

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
 Data File : VN056869.D
 Acq On : 23 Jul 2019 9:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 7/24/2019 1:13:54 PM

Quant Time: Jul 24 01:30:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	566229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	509489	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	240852	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	199176	47.27	ug/l	0.00
Spiked Amount						
			Recovery	=	94.54%	
35) Dibromofluoromethane	7.59	113	183508	51.13	ug/l	0.00
Spiked Amount						
			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	700358	51.01	ug/l	0.00
Spiked Amount						
			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	237949	52.96	ug/l	0.00
Spiked Amount						
			Recovery	=	105.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	232887	48.218	ug/l	99
3) Chloromethane	2.06	50	251355	45.591	ug/l	98
4) Vinyl Chloride	2.18	62	244974	48.369	ug/l	100
5) Bromomethane	2.56	94	142345	46.206	ug/l	100
6) Chloroethane	2.70	64	131601	47.415	ug/l	98
7) Trichlorofluoromethane	3.01	101	301772	48.771	ug/l	98
8) Diethyl Ether	3.40	74	106748	46.301	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	190374	49.750	ug/l	99
10) Methyl Iodide	3.94	142	264219	49.121	ug/l	99
11) Tert butyl alcohol	4.80	59	152260	254.374	ug/l	99
12) 1,1-Dichloroethene	3.72	96	185930	48.501	ug/l	96
13) Acrolein	3.60	56	113288	227.467	ug/l	98
14) Allyl chloride	4.31	41	301647	47.861	ug/l	100
15) Acrylonitrile	4.99	53	446043	247.648	ug/l	99
16) Acetone	3.82	43	432134	284.793	ug/l	99
17) Carbon Disulfide	4.04	76	498739	47.666	ug/l	99
18) Methyl Acetate	4.32	43	241561	48.518	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	542700	47.916	ug/l	99
20) Methylene Chloride	4.54	84	206898	45.601	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	196209	48.998	ug/l	97
22) Diisopropyl ether	5.95	45	612323	48.057	ug/l	99
23) Vinyl Acetate	5.89	43	2271169	246.762	ug/l	100
24) 1,1-Dichloroethane	5.84	63	352430	47.741	ug/l	100
25) 2-Butanone	6.84	43	600494	269.240	ug/l	99
26) 2,2-Dichloropropane	6.82	77	263969	51.102	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	219944	47.910	ug/l	99
28) Bromochloromethane	7.19	49	160618	47.932	ug/l	99
29) Tetrahydrofuran	7.21	42	383426	250.042	ug/l	99
30) Chloroform	7.37	83	342597	46.294	ug/l	99
31) Cyclohexane	7.65	56	339371	47.384	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	289721	48.393	ug/l	99
36) 1,1-Dichloropropene	7.79	75	271615	52.016	ug/l	99
37) Ethyl Acetate	6.93	43	232173	55.135	ug/l	100
38) Carbon Tetrachloride	7.77	117	252611	50.818	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	347900	53.243	ug/l	98
40) Benzene	8.04	78	810740	49.984	ug/l	99
41) Methacrylonitrile	7.17	41	103520	49.513	ug/l	98
42) 1,2-Dichloroethane	8.12	62	251723	49.669	ug/l	100
43) Isopropyl Acetate	8.16	43	370222	51.142	ug/l	100
44) Trichloroethene	8.83	130	222939	51.319	ug/l	99
45) 1,2-Dichloropropane	9.12	63	214635	49.121	ug/l	98
46) Dibromomethane	9.20	93	136311	50.541	ug/l	97
47) Bromodichloromethane	9.40	83	260290	51.319	ug/l	99
48) Methyl methacrylate	9.20	41	184539	50.958	ug/l	99
49) 1,4-Dioxane	9.20	88	77800	1095.251	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1151234	266.684	ug/l	100
52) Toluene	10.15	92	502434	51.476	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	279132	53.622	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	322820	52.602	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	192754	49.755	ug/l	99
56) Ethyl methacrylate	10.43	69	293669	54.607	ug/l	99
57) 1,3-Dichloropropane	10.71	76	326065	50.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	622436	245.910	ug/l	99
59) 2-Hexanone	10.75	43	862124	288.521	ug/l	99
60) Dibromochloromethane	10.90	129	207112	53.278	ug/l	100
61) 1,2-Dibromoethane	11.00	107	201658	52.413	ug/l	99
64) Tetrachloroethene	10.63	164	228072	52.180	ug/l	99
65) Chlorobenzene	11.43	112	537780	50.793	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	198059	49.619	ug/l	100
67) Ethyl Benzene	11.51	91	955639	52.284	ug/l	100
68) m/p-Xylenes	11.62	106	727183	106.272	ug/l	99
69) o-Xylene	11.94	106	343661	51.447	ug/l	98
70) Styrene	11.96	104	594838	50.739	ug/l	100
71) Bromoform	12.12	173	145377	52.557	ug/l #	99
73) Isopropylbenzene	12.25	105	933800	51.156	ug/l	100
74) N-amyl acetate	12.07	43	326312	46.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	261971	50.156	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	235372m	47.155	ug/l	
77) Bromobenzene	12.52	156	244879	46.612	ug/l	99
78) n-propylbenzene	12.59	91	1093993	49.416	ug/l	100
79) 2-Chlorotoluene	12.67	91	616846	50.718	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	814321	52.881	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	79231	50.839	ug/l	99
82) 4-Chlorotoluene	12.77	91	635961	48.284	ug/l	100
83) tert-Butylbenzene	12.99	119	700597	52.456	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	809895	48.537	ug/l	100
85) sec-Butylbenzene	13.17	105	940049	47.941	ug/l	100
86) p-Isopropyltoluene	13.28	119	873896	50.027	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	418462	49.690	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	413156	50.501	ug/l	99
89) n-Butylbenzene	13.61	91	739919	55.092	ug/l	100
90) Hexachloroethane	13.87	117	136974	44.912	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	405044	47.853	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44340	48.113	ug/l	96

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Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:46:34 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	228836	50.274	ug/l	98
94) Hexachlorobutadiene	15.01	225	157302	56.038	ug/l	98
95) Naphthalene	15.13	128	553977	47.463	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	233857	50.324	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

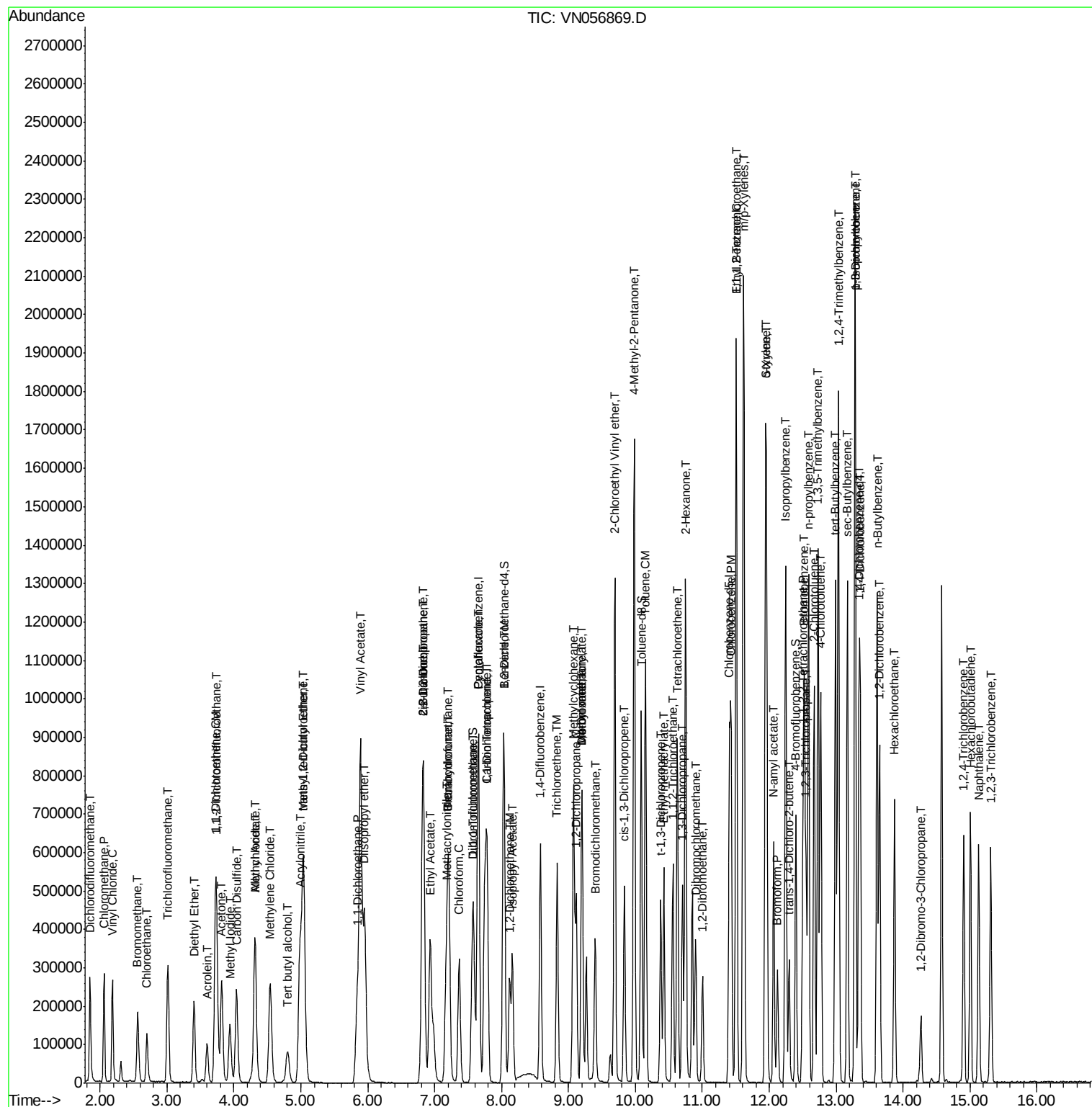
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072319\
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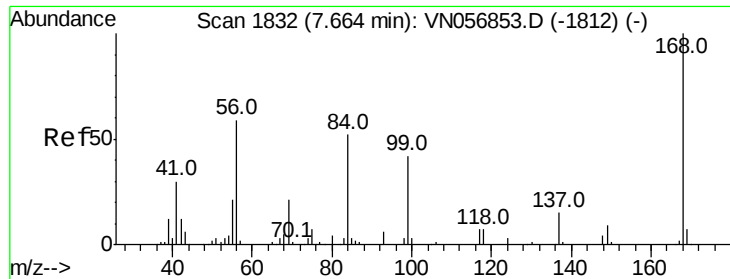
Instrument :
 MSVOA_N
 Client Sample ID :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 395034

Ion Ratio Lower Upper

168 100

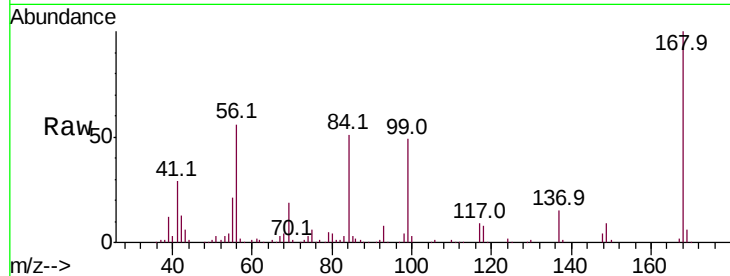
99 49.2 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN056853.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN056853.D (-1812) (-)

7.66

150000

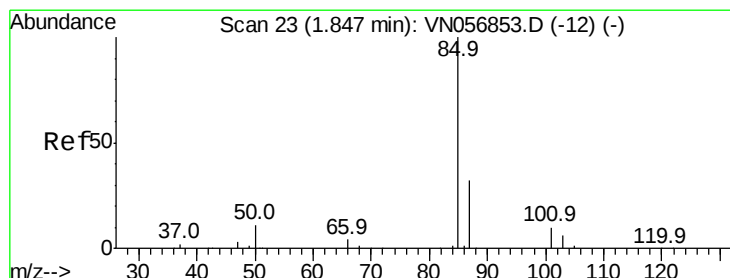
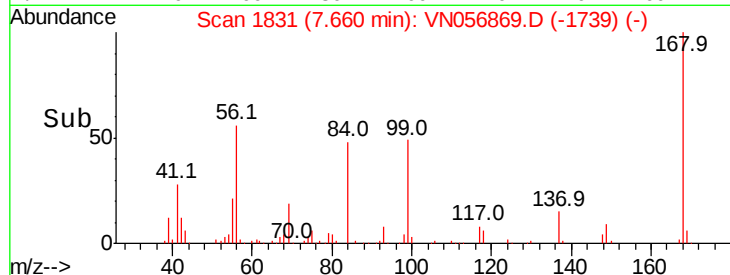
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50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 48.218 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056869.D

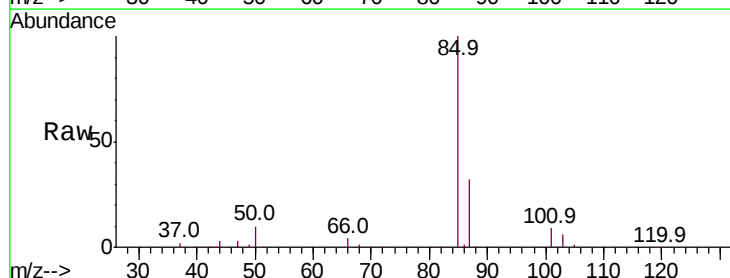
Acq: 23 Jul 2019 9:11

Tgt Ion: 85 Resp: 232887

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056853.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056853.D (-12) (-)

1.85

150000

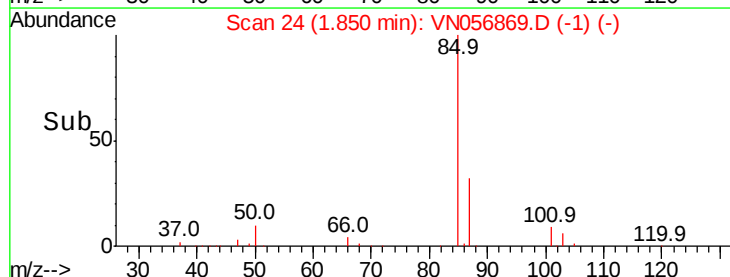
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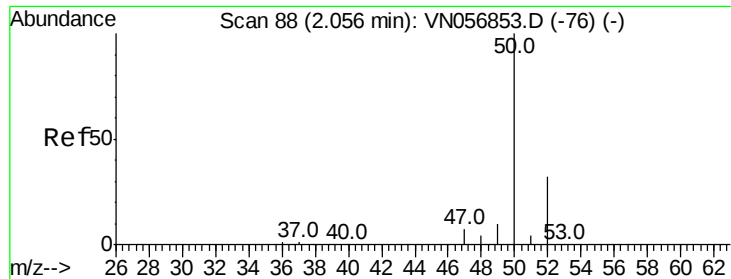
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1.75 1.80 1.85 1.90 1.95

Time-->





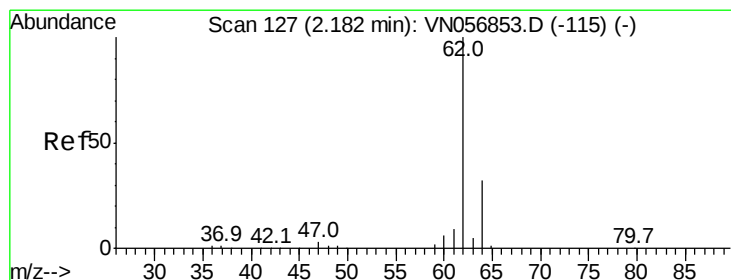
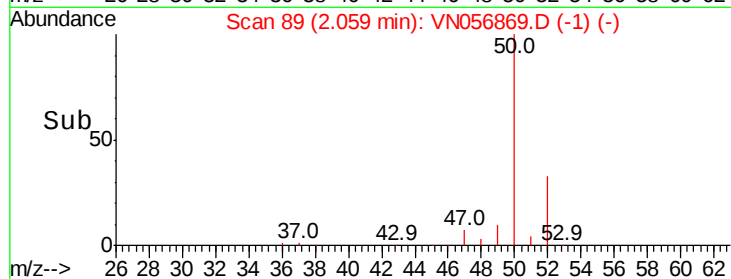
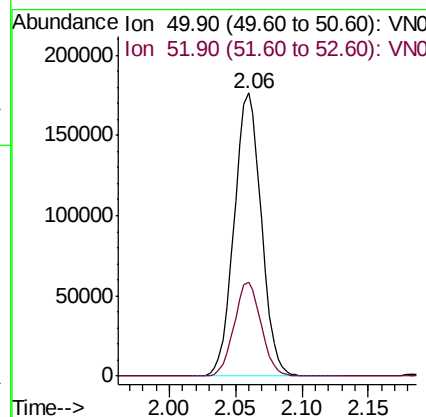
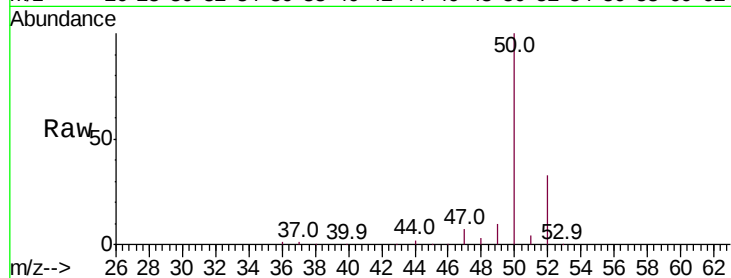
#3
Chloromethane
Concen: 45.591 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.3	25.9	38.9

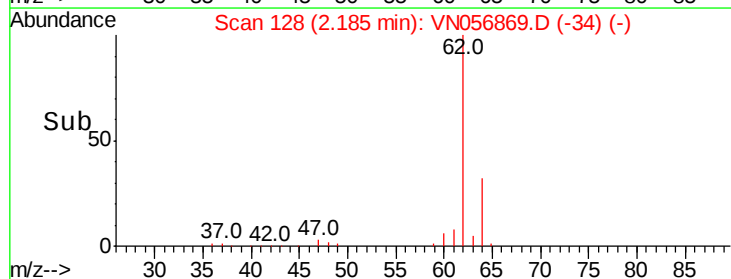
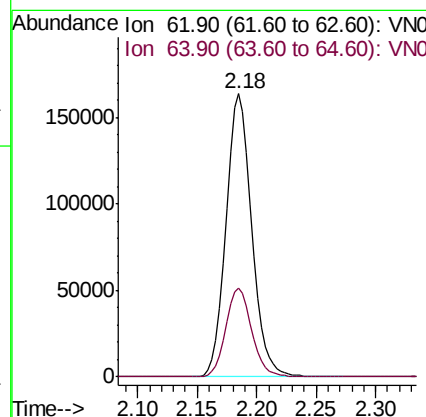
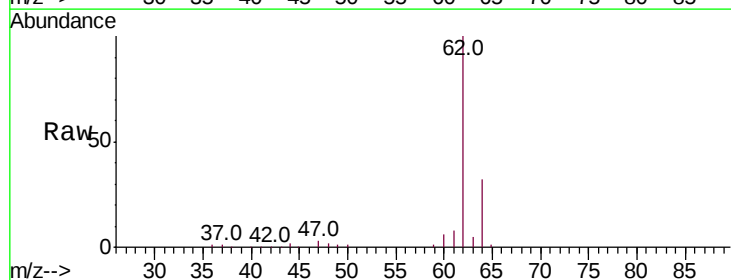
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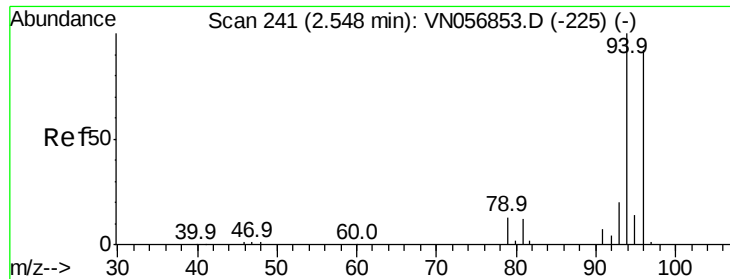
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#4
Vinyl Chloride
Concen: 48.369 ug/l
RT: 2.18 min Scan# 128
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.2





#5

Bromomethane

Concen: 46.206 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.01 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 142345

Ion Ratio Lower Upper

94 100

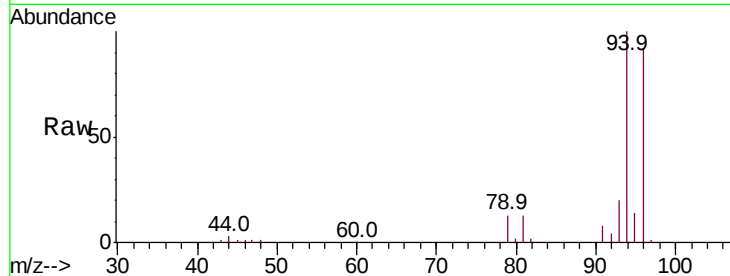
96 92.1 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.56

80000

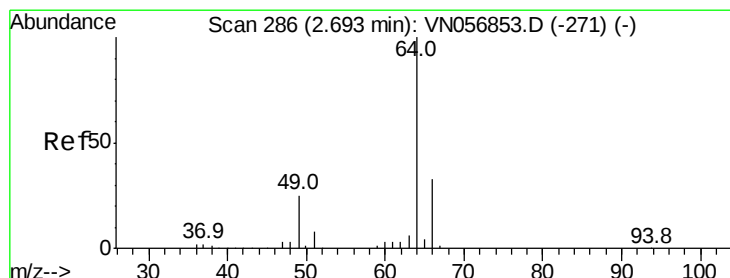
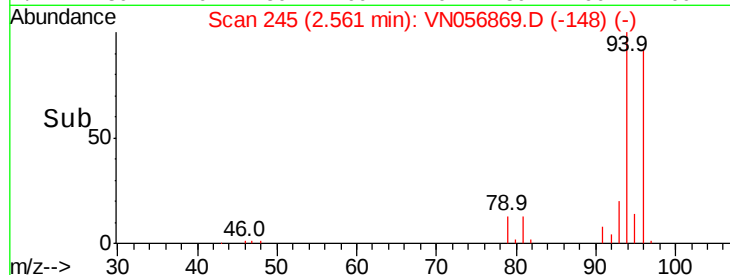
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20000

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Time-->



#6

Chloroethane

Concen: 47.415 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056869.D

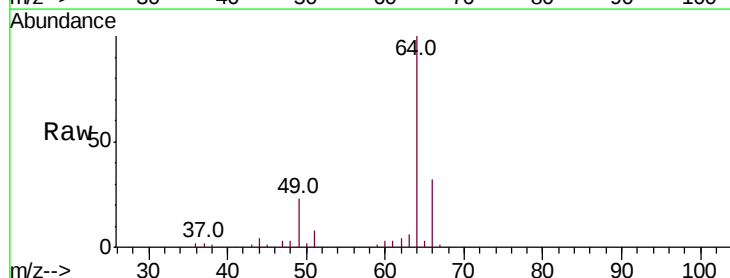
Acq: 23 Jul 2019 9:11

Tgt Ion: 64 Resp: 131601

Ion Ratio Lower Upper

64 100

66 32.1 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.70

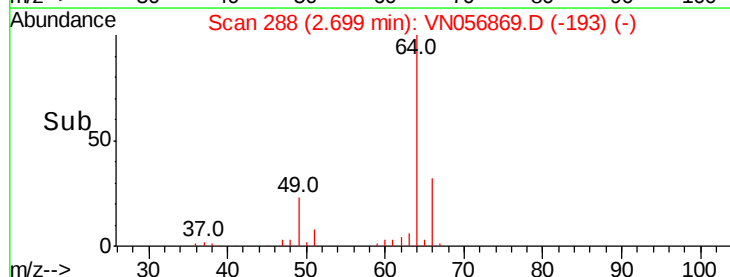
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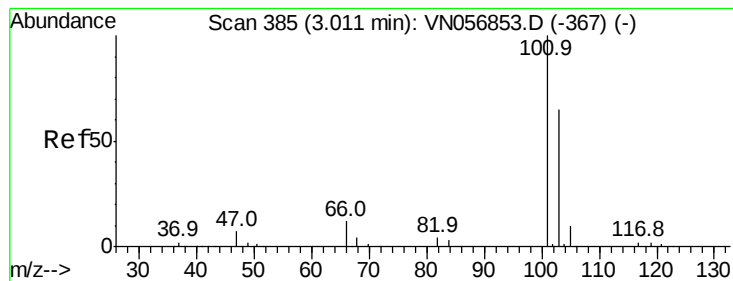
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Time-->





#7

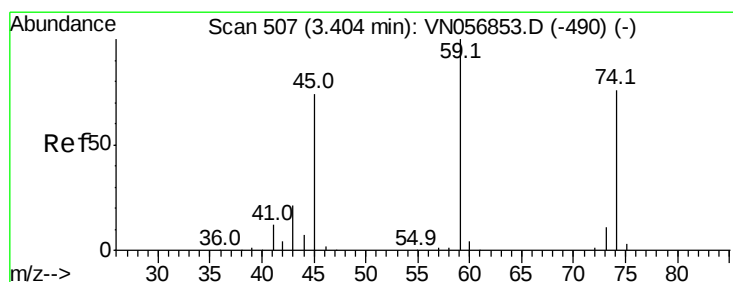
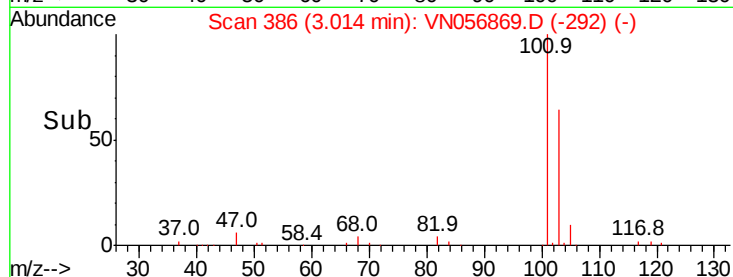
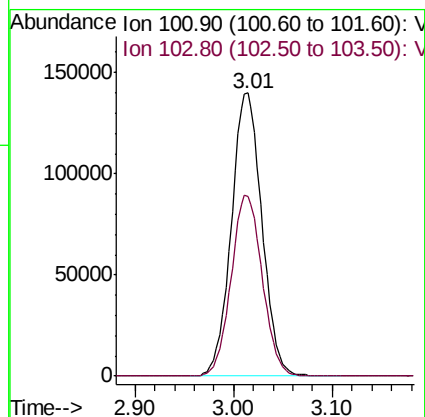
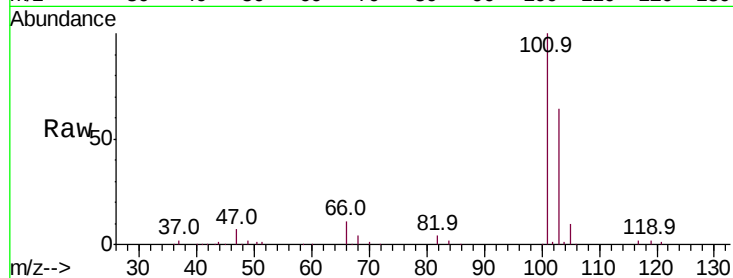
Trichlorofluoromethane
 Concen: 48.771 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.3	78.5

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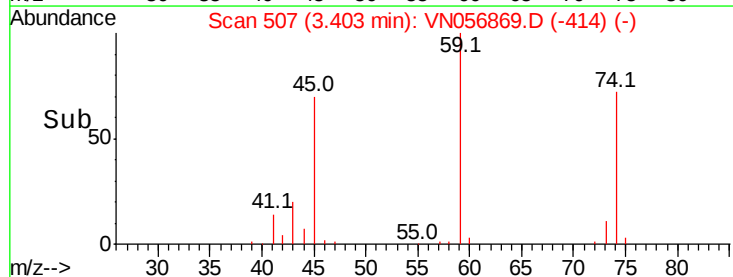
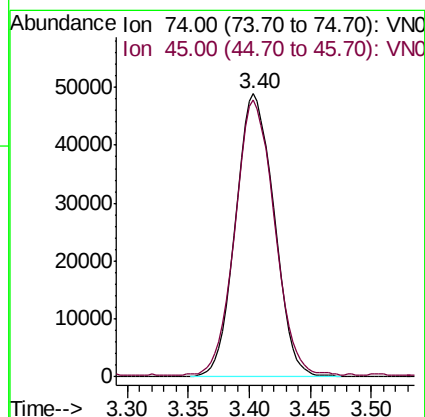
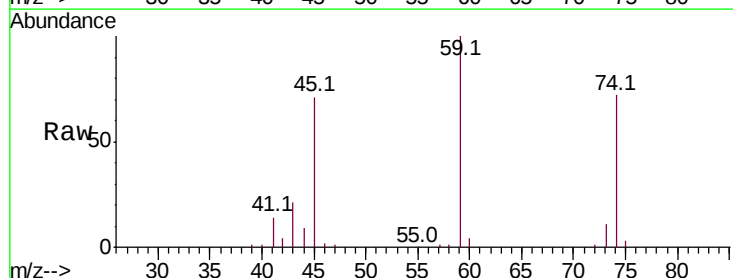
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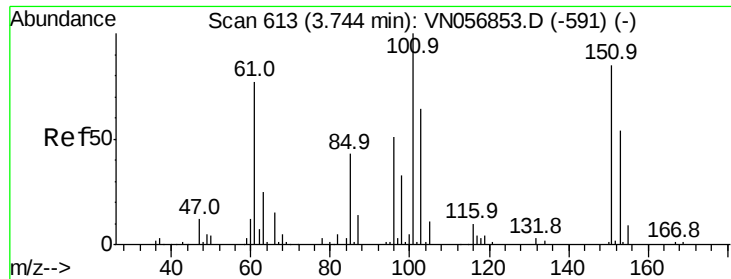


#8

Diethyl Ether
 Concen: 46.301 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	49.2	147.6





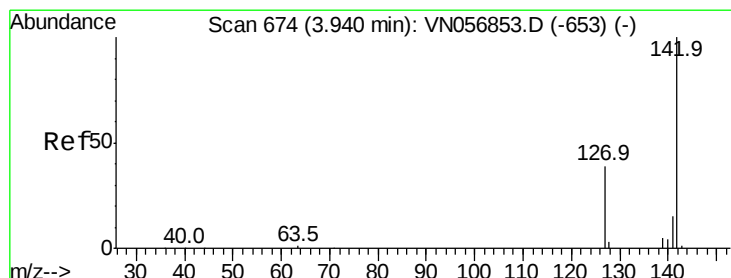
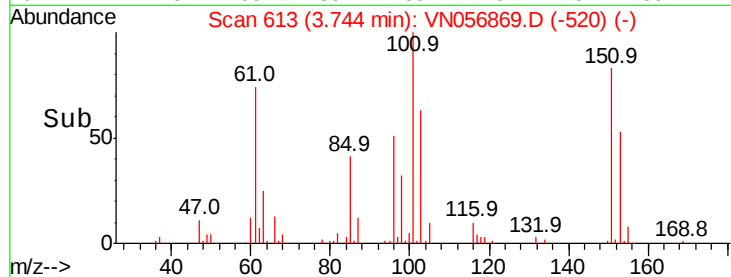
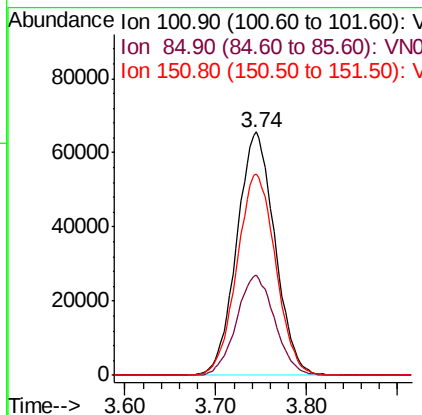
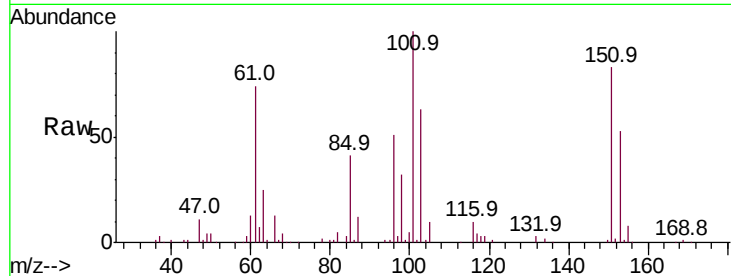
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.750 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.7	50.5
151	84.0	68.1	102.1

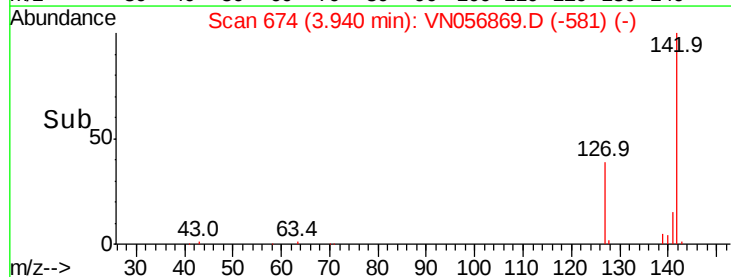
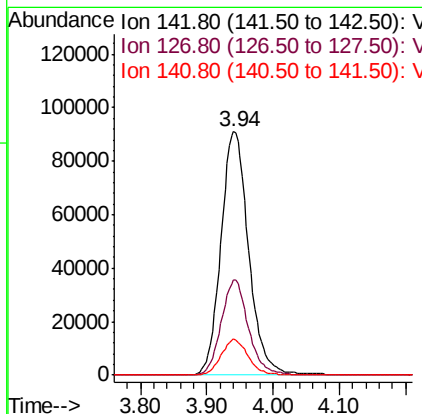
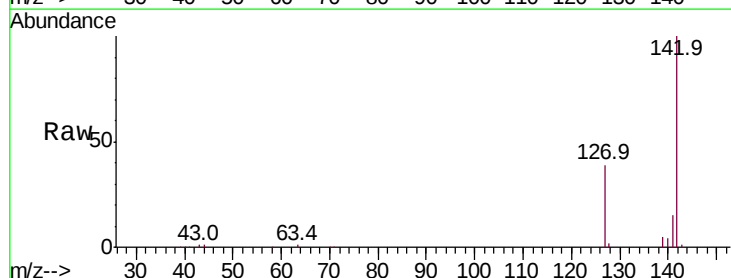
Manual Integrations
 APPROVED

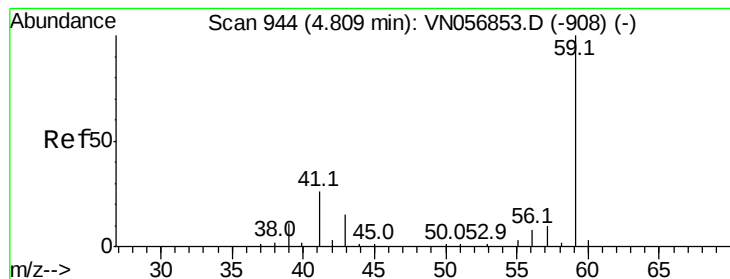
MMDadoda
 7/24/2019 1:13:54 PM



#10
 Methyl Iodide
 Concen: 49.121 ug/l
 RT: 3.94 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.4	31.2	46.8
141	14.3	11.4	17.2





#11

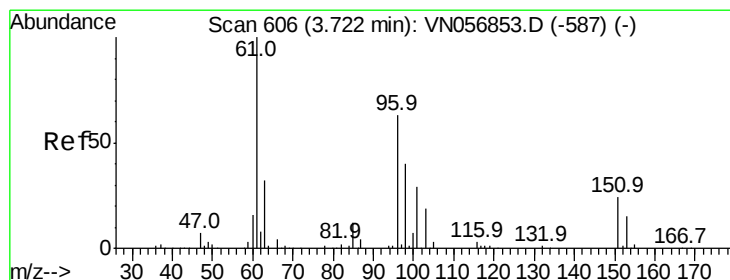
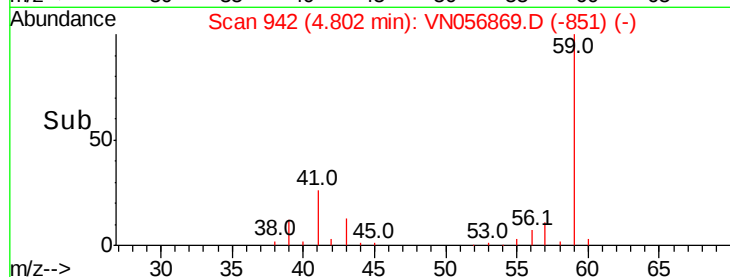
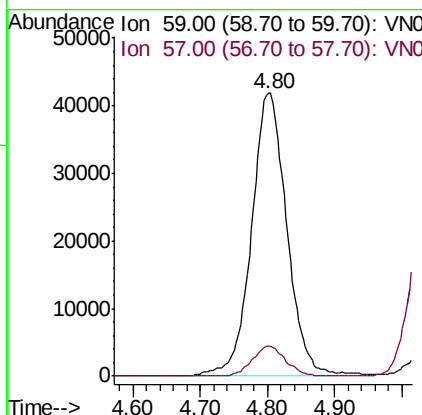
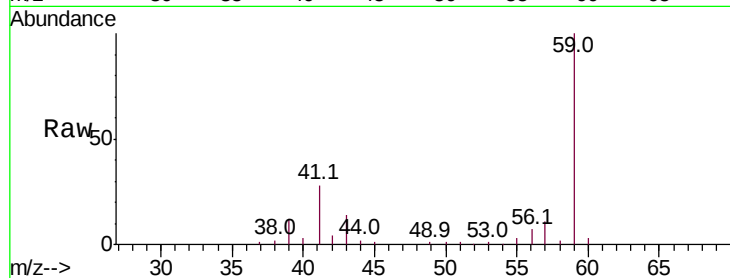
Tert butyl alcohol
 Concen: 254.374 ug/l
 RT: 4.80 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.4

Manual Integrations
 APPROVED

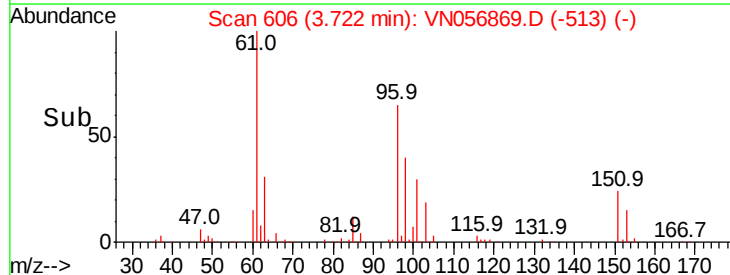
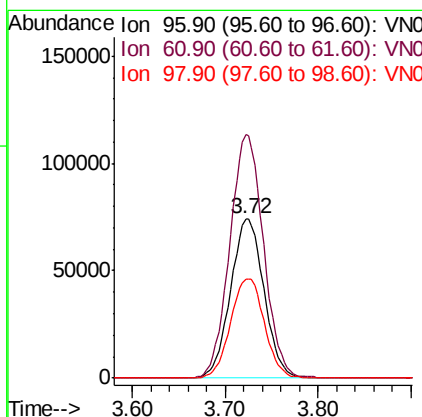
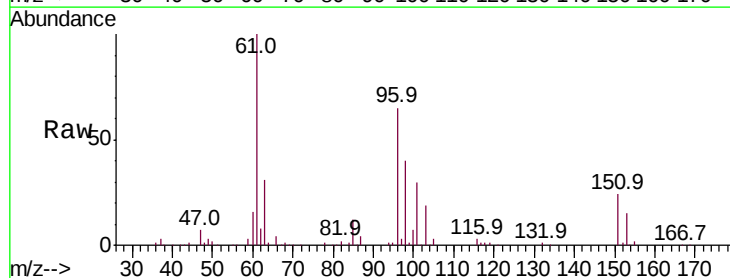
MMDadoda
 7/24/2019 1:13:54 PM

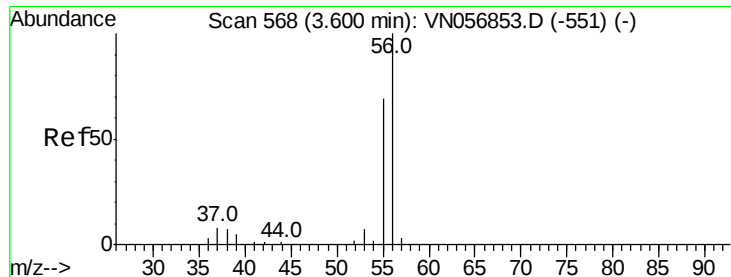


#12

1,1-Dichloroethene
 Concen: 48.501 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.5	126.3	189.5
98	61.7	51.0	76.4





#13

Acrolein

Concen: 227.467 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 113288

Ion Ratio Lower Upper

56 100

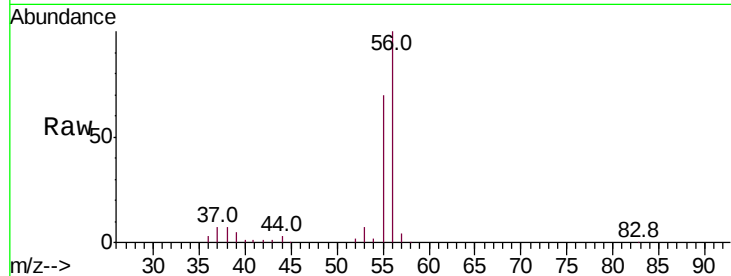
55 72.2 56.2 84.4

Manual Integrations

APPROVED

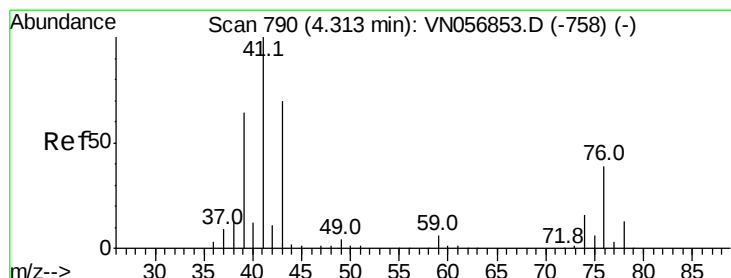
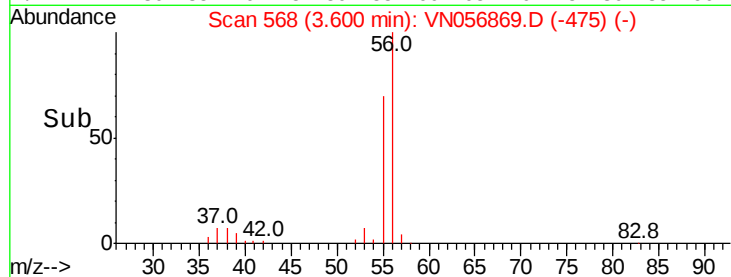
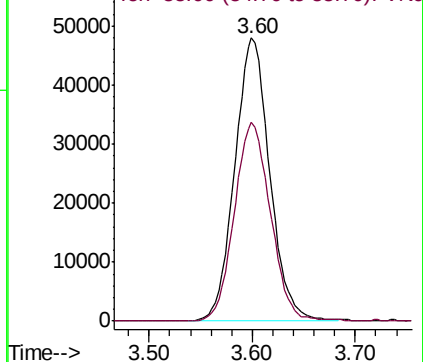
MMDadoda

7/24/2019 1:13:54 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.861 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

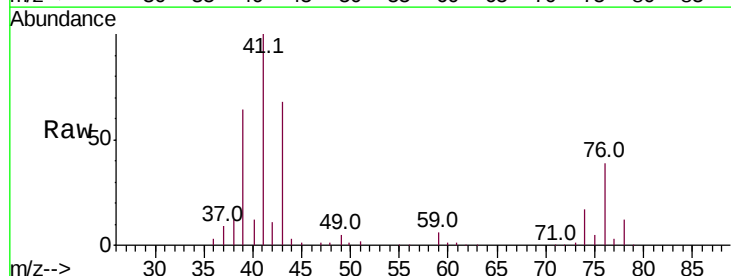
Tgt Ion: 41 Resp: 301647

Ion Ratio Lower Upper

41 100

39 59.4 47.8 71.6

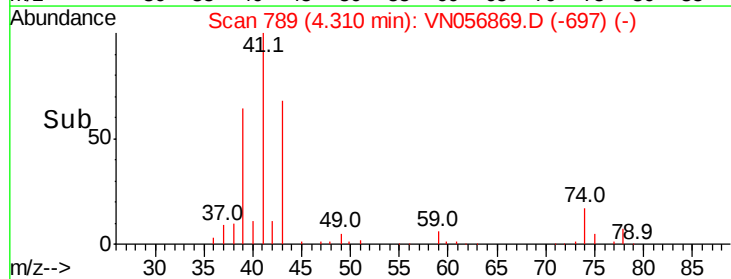
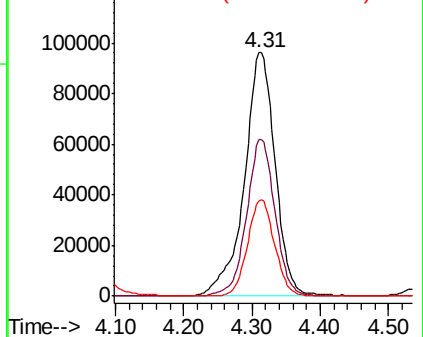
76 34.7 27.9 41.9

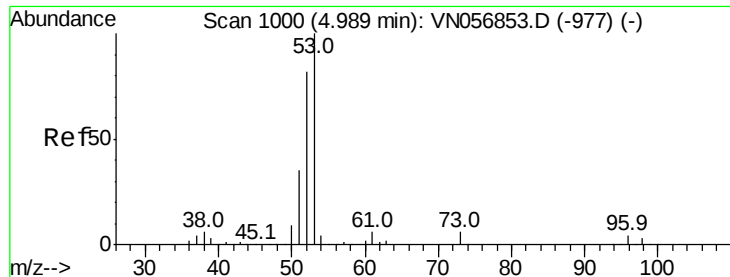


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





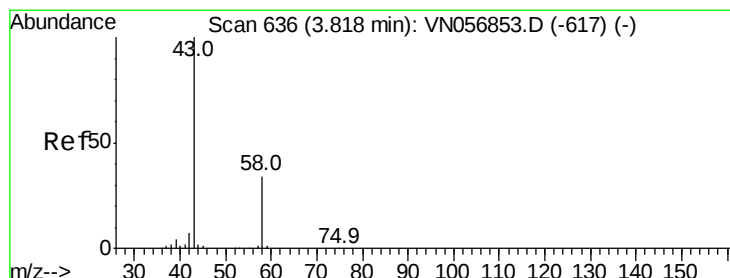
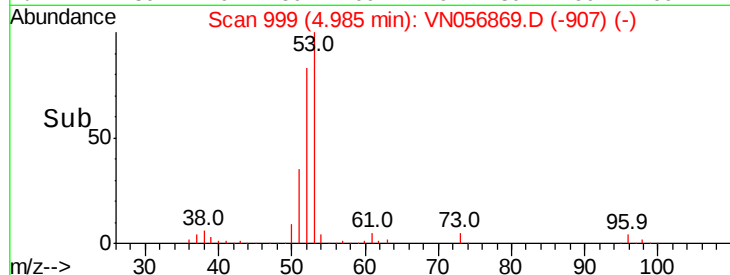
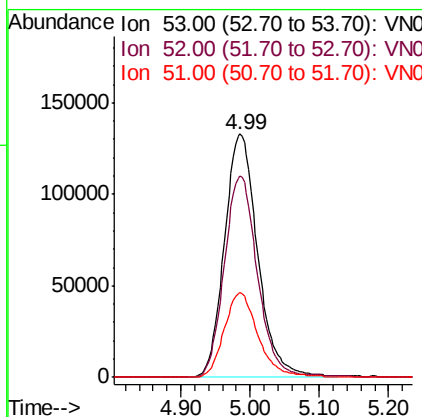
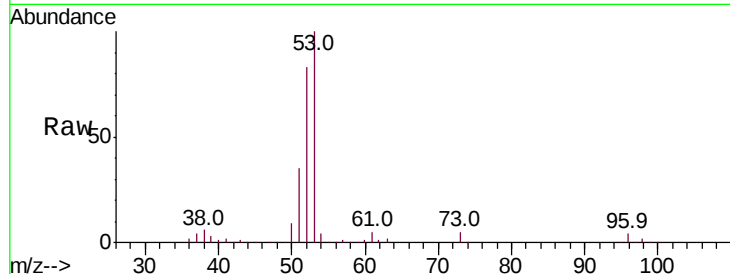
#15
 Acrylonitrile
 Concen: 247.648 ug/l
 RT: 4.99 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.0	97.6
51	35.4	28.2	42.2

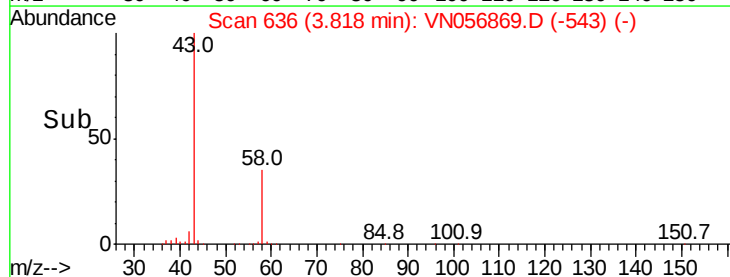
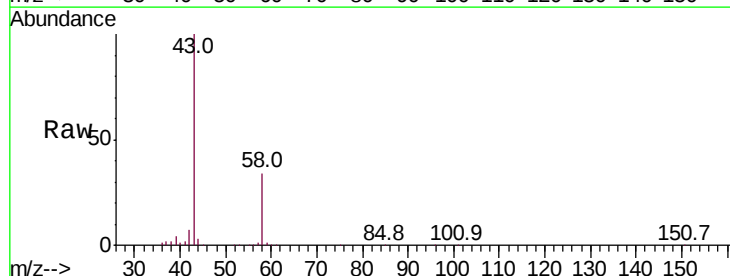
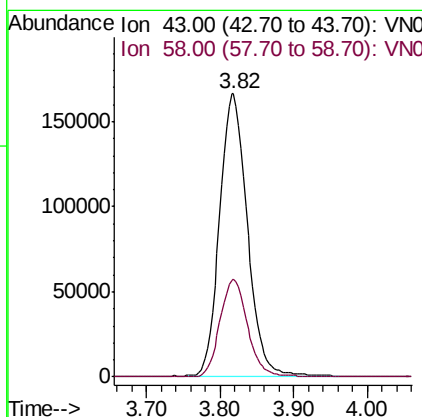
Manual Integrations
 APPROVED

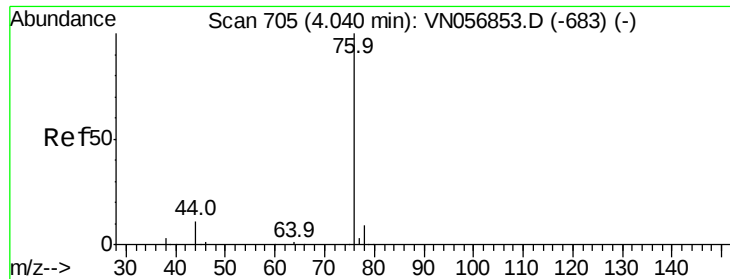
MMDadoda
 7/24/2019 1:13:54 PM



#16
 Acetone
 Concen: 284.793 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.3	40.9





#17

Carbon Disulfide

Concen: 47.666 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 498739

Ion Ratio Lower Upper

76 100

78 9.3

7.2

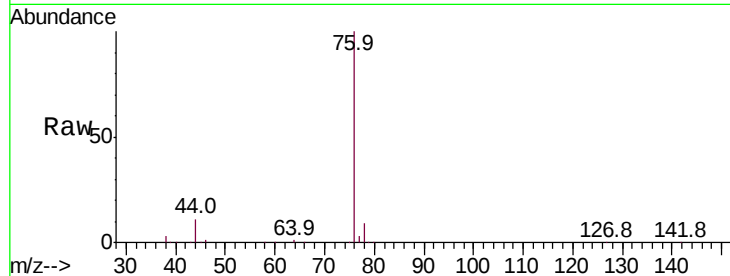
10.8

Manual Integrations

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MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

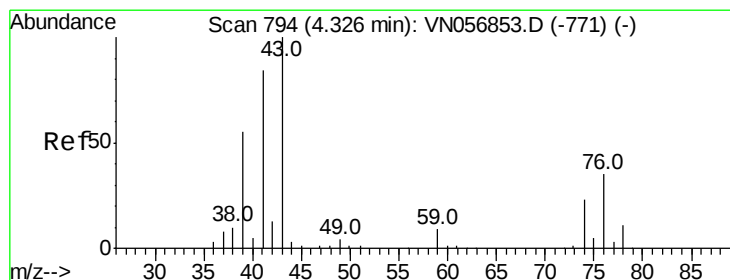
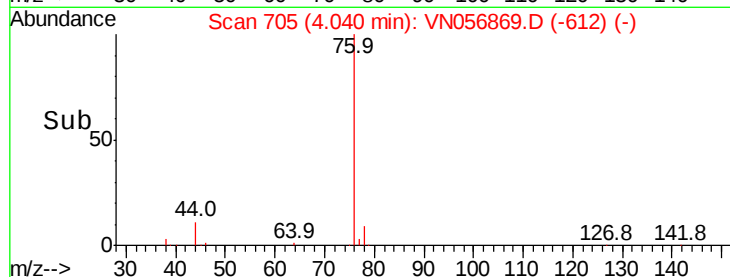
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.518 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion: 43 Resp: 241561

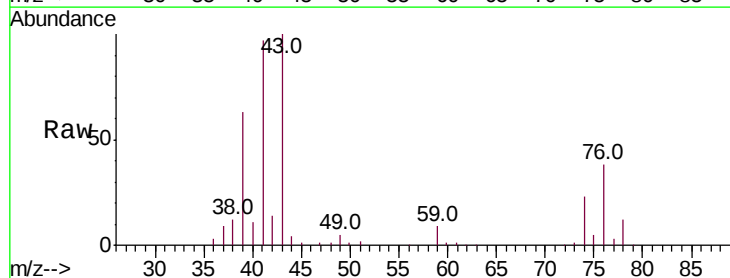
Ion Ratio Lower Upper

43 100

74 23.8

19.0

28.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

100000

80000

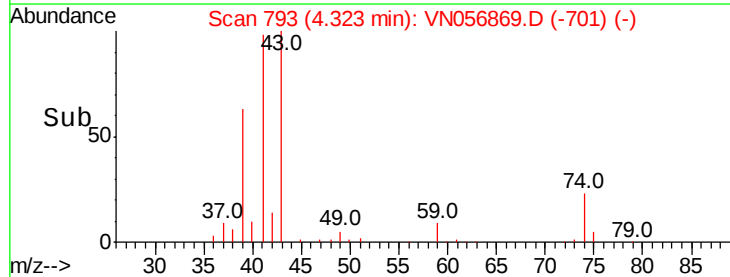
60000

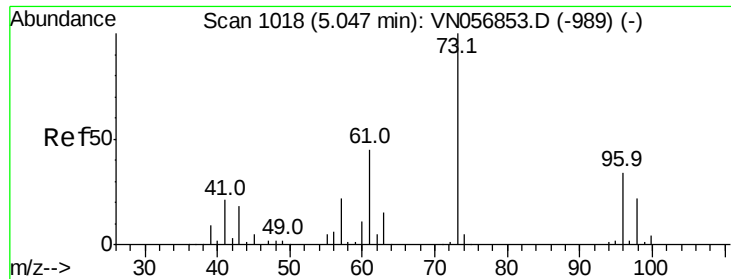
40000

20000

0

Time-->





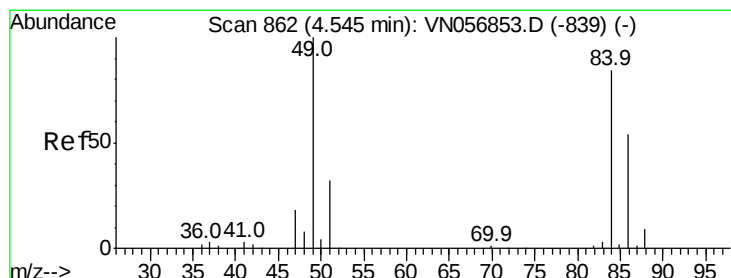
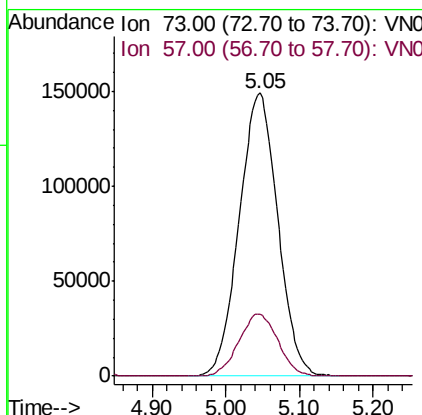
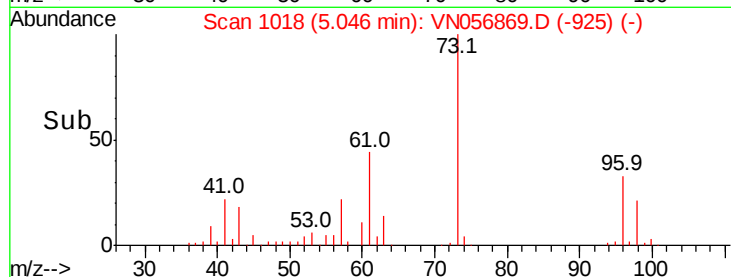
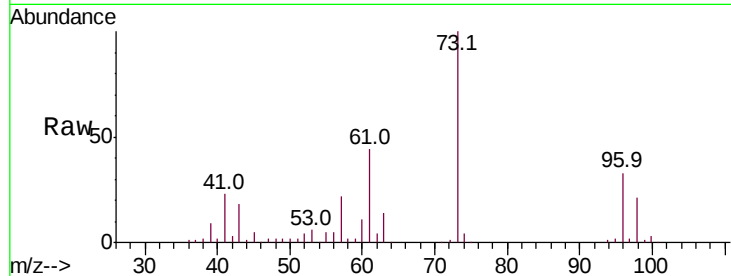
#19
Methvl tert-butvl Ether
Concen: 47.916 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 542700
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0

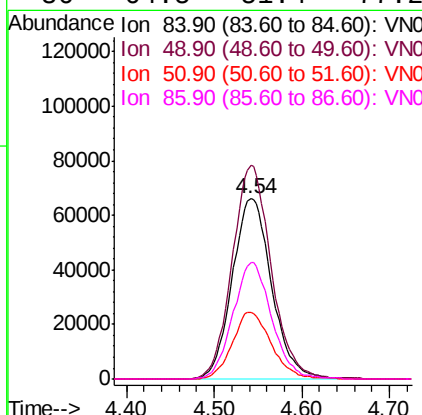
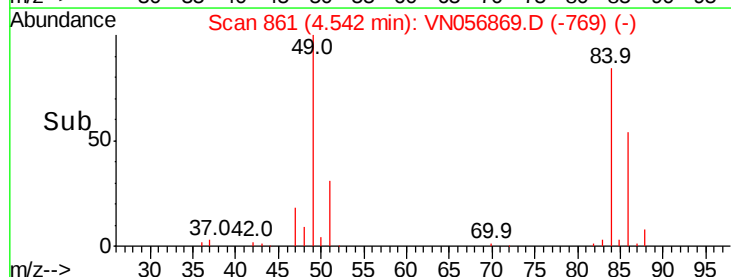
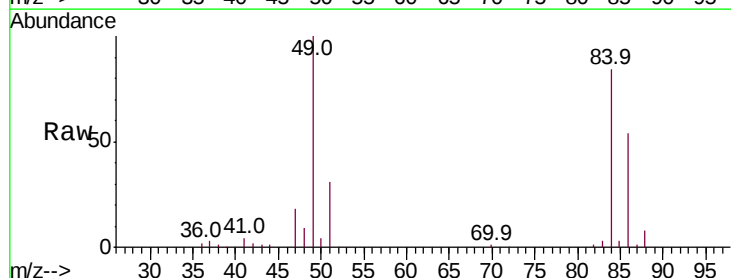
Manual Integrations
APPROVED

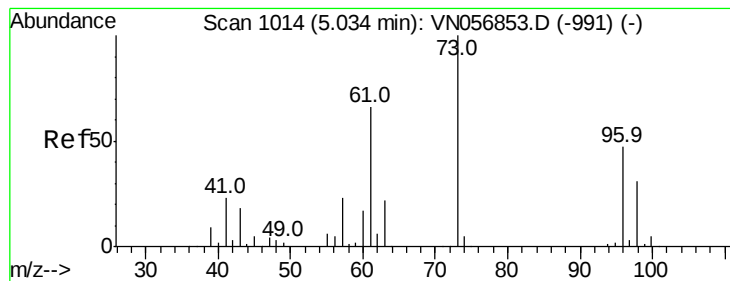
MMDadoda
7/24/2019 1:13:54 PM



#20
Methylene Chloride
Concen: 45.601 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 84 Resp: 206898
Ion Ratio Lower Upper
84 100
49 118.4 94.9 142.3
51 37.0 29.9 44.9
86 64.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 48.998 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 196209

Ion Ratio Lower Upper

96 100

61 137.1 112.8 169.2

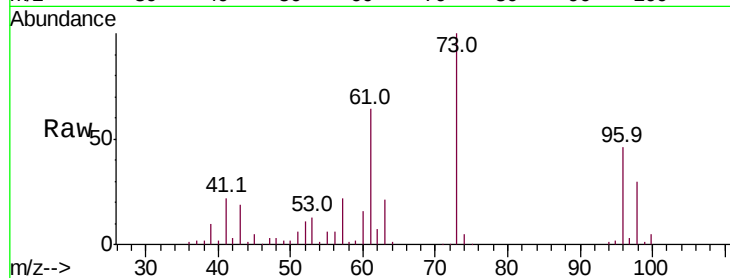
98 65.2 53.3 79.9

Manual Integrations

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MMDadoda

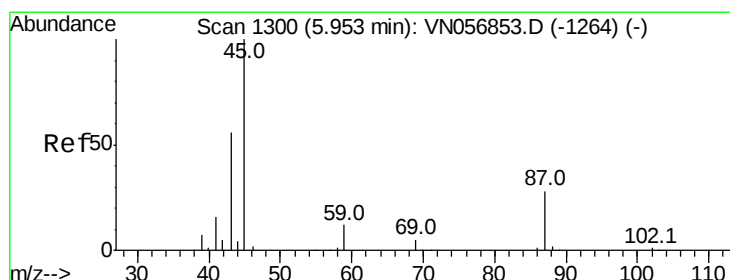
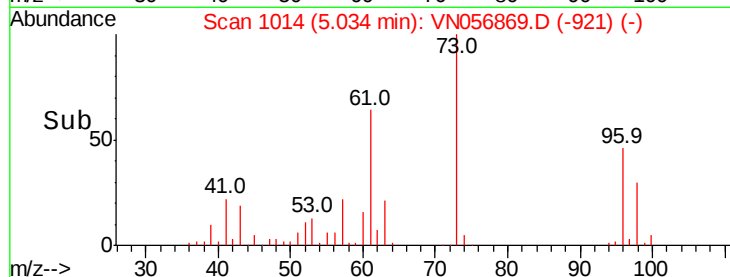
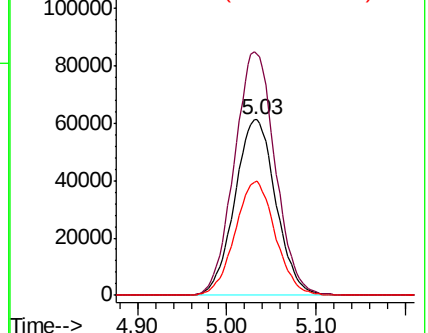
7/24/2019 1:13:54 PM



Abundance Ion 95.90 (95.60 to 96.60): VN056869.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN056869.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN056869.D (-1207) (-)



#22

Diisopropyl ether

Concen: 48.057 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion: 45 Resp: 612323

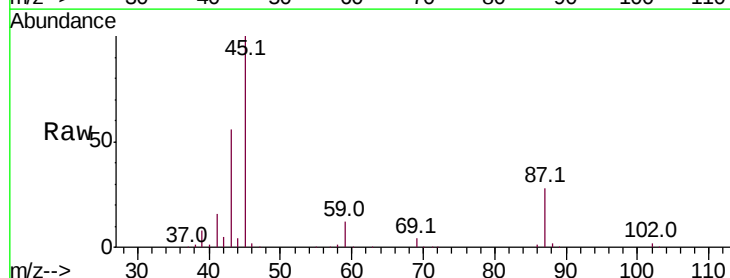
Ion Ratio Lower Upper

45 100

43 55.4 45.5 68.3

87 28.0 22.7 34.1

59 11.6 9.3 13.9

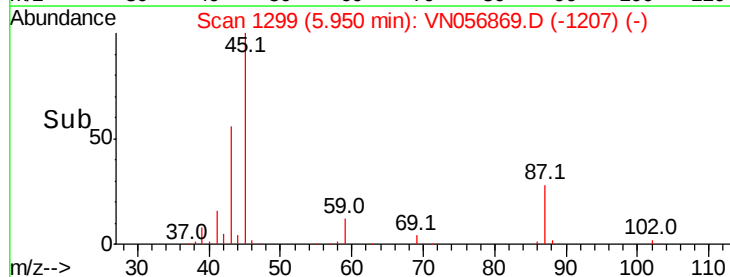
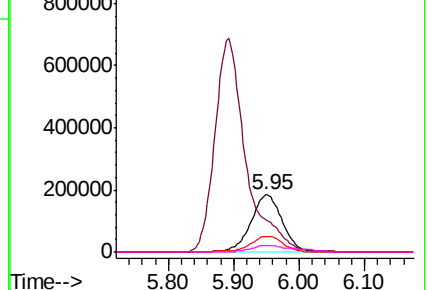


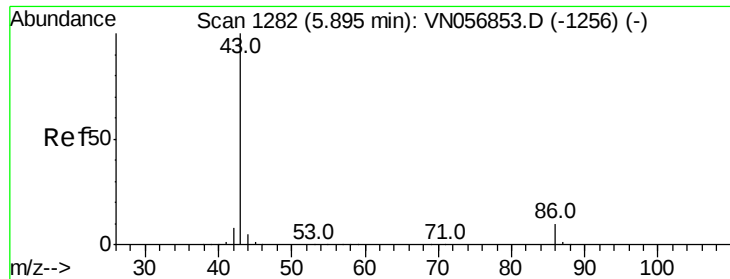
Abundance Ion 45.00 (44.70 to 45.70): VN056869.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056869.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056869.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056869.D (-1207) (-)





#23

Vinyl Acetate

Concen: 246.762 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2271169

Ion Ratio Lower Upper

43 100

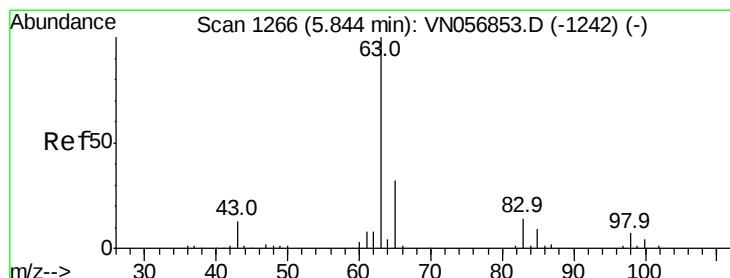
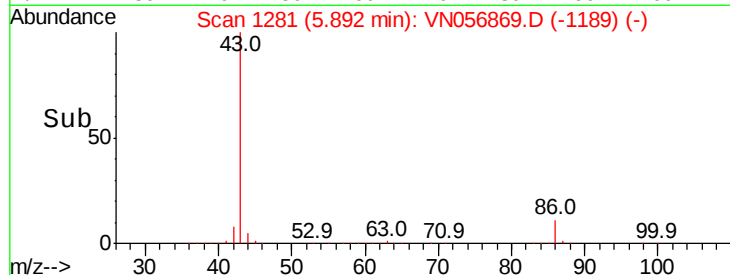
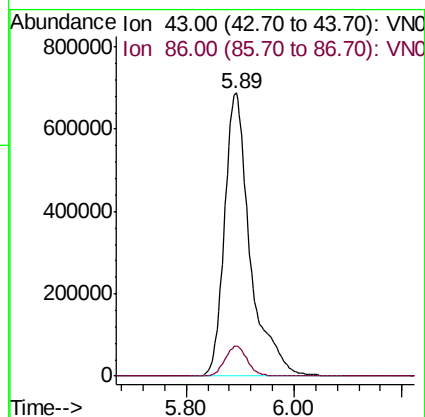
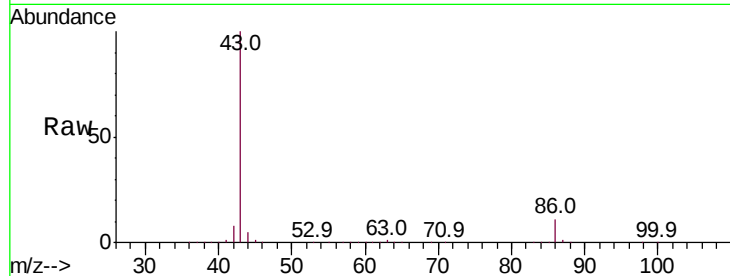
86 10.7 8.4 12.6

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 47.741 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

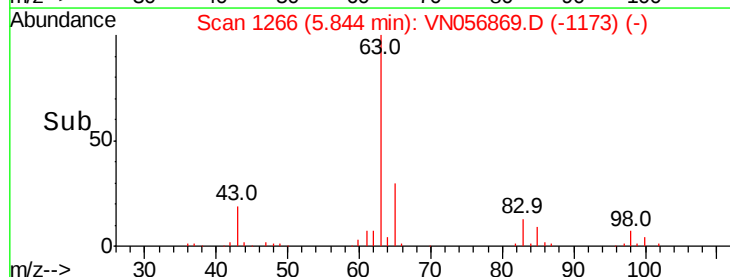
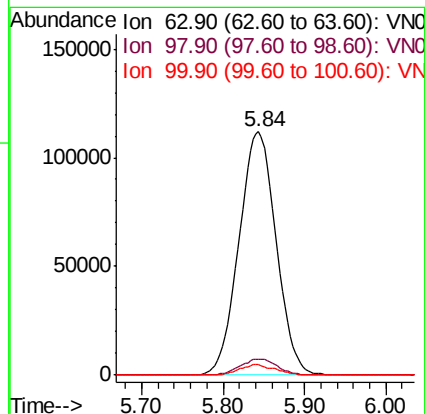
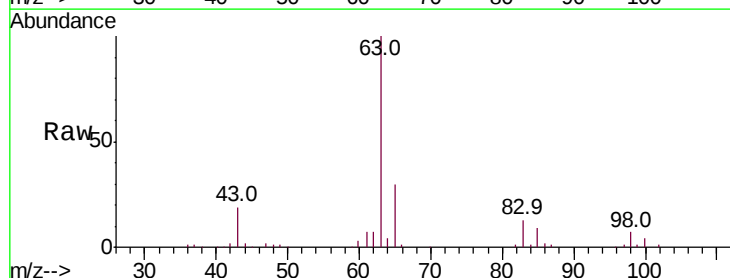
Tgt Ion: 63 Resp: 352430

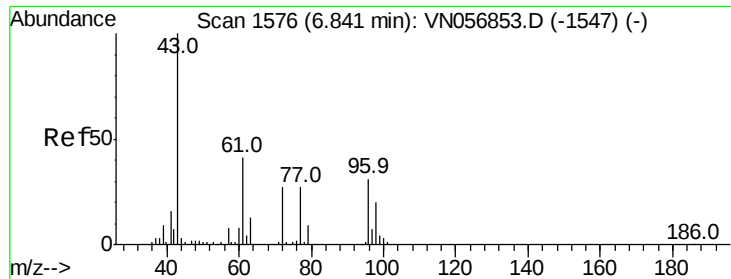
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.2 2.2 6.6





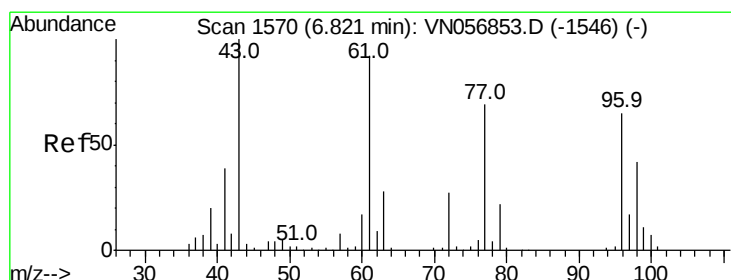
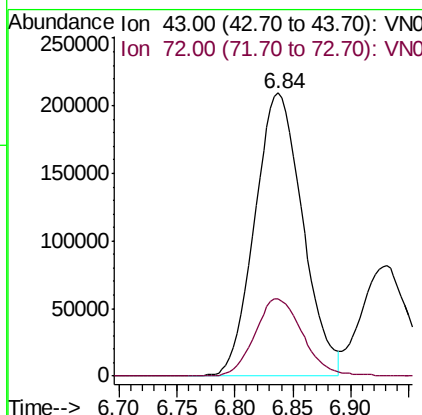
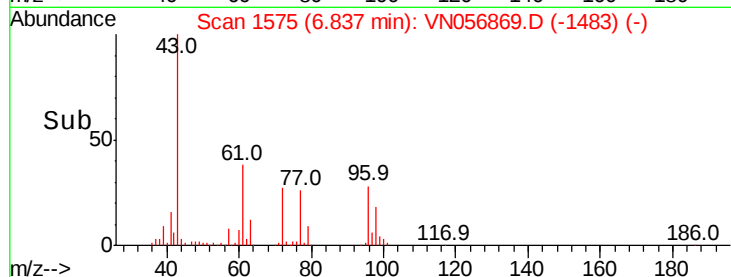
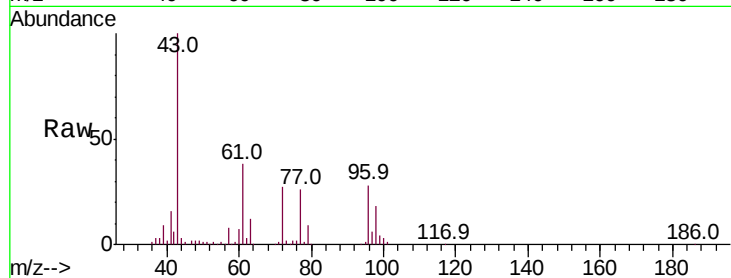
#25
2-Butanone
Concen: 269.240 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 600494
Ion Ratio Lower Upper
43 100
72 27.2 21.5 32.3

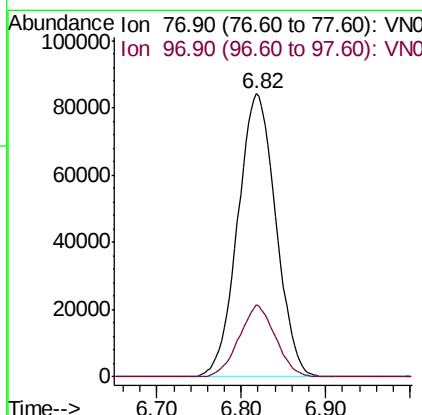
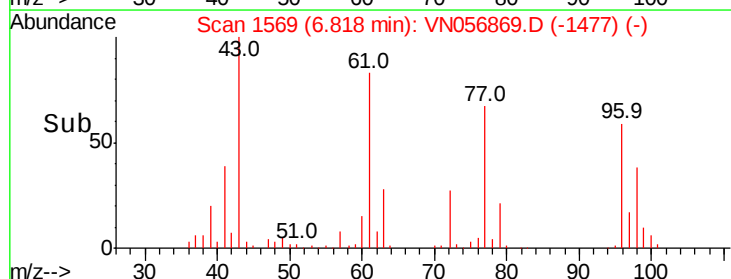
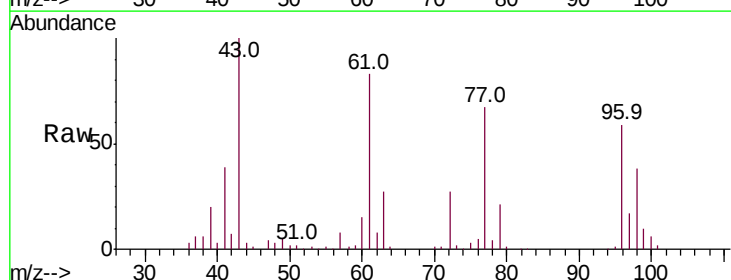
Manual Integrations
APPROVED

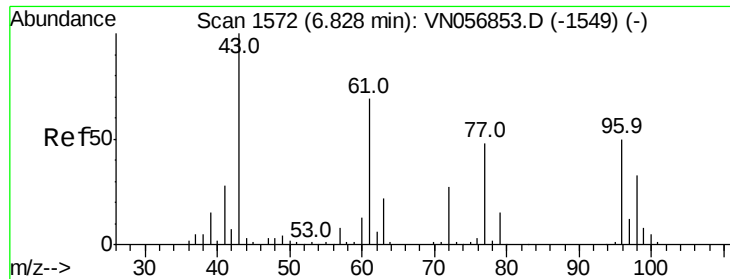
MMDadoda
7/24/2019 1:13:54 PM



#26
2,2-Dichloropropane
Concen: 51.102 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 77 Resp: 263969
Ion Ratio Lower Upper
77 100
97 24.2 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 47.910 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

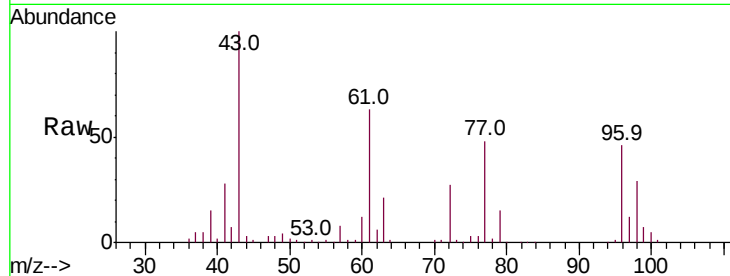
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	219944
Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	281.6
98	64.7	0.0	132.0

Manual Integrations
APPROVED

MMDadoda
7/24/2019 1:13:54 PM

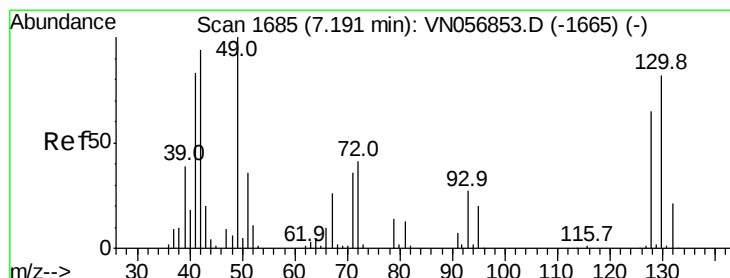
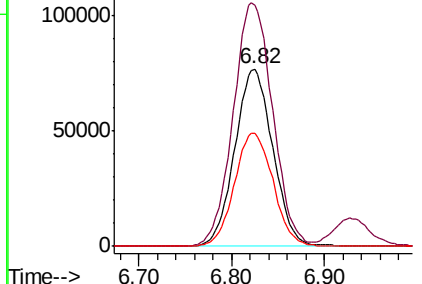
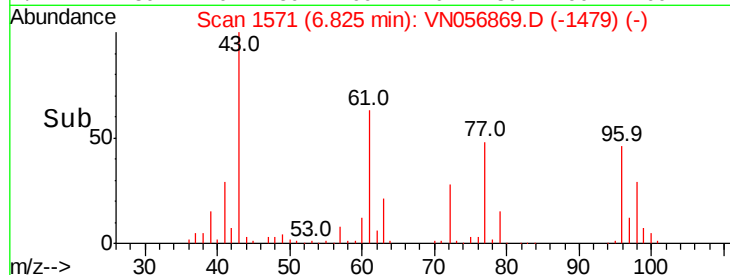


Abundance Ion 95.90 (95.60 to 96.60): VN056853.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN056853.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN056853.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 47.932 ug/l

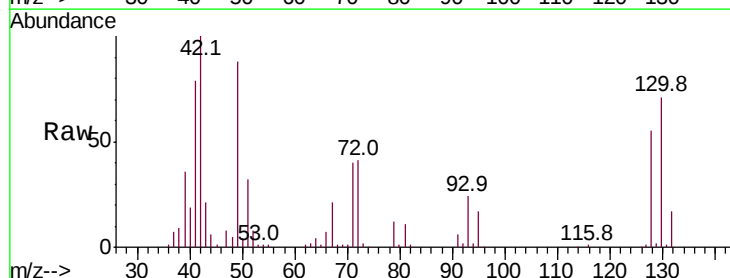
RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion:	49	Resp:	160618
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	81.9	65.0	97.6

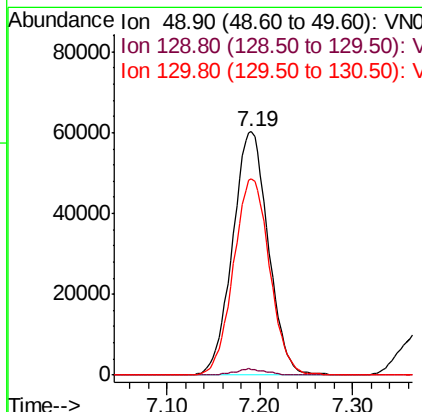
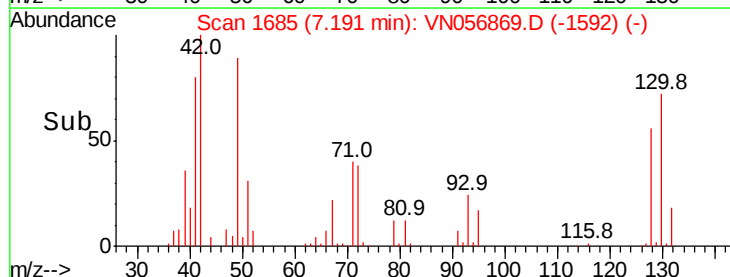


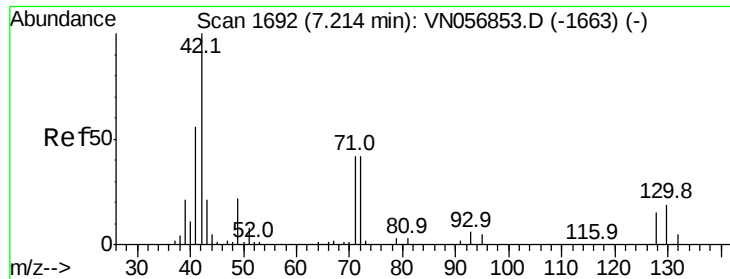
Abundance Ion 48.90 (48.60 to 49.60): VN056853.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN056853.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN056853.D (-1665) (-)

Time-->





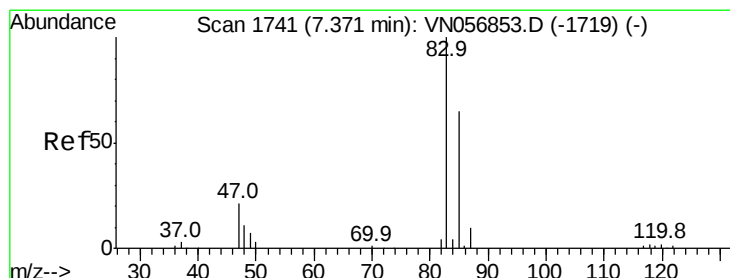
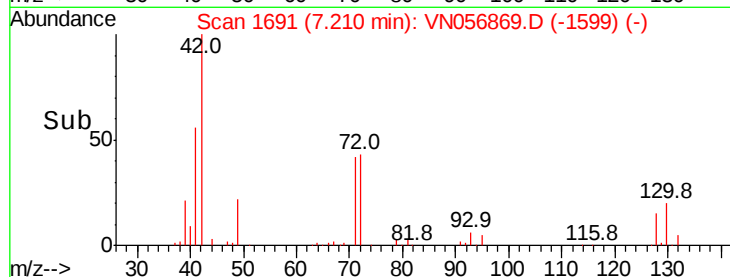
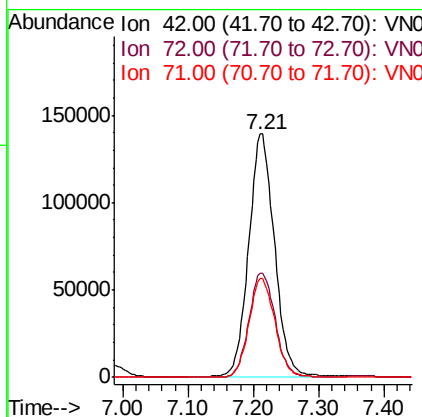
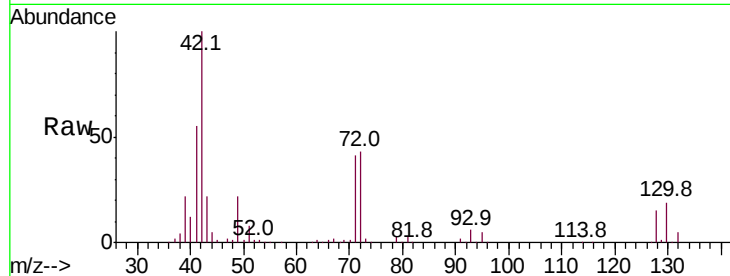
#29
Tetrahydrofuran
Concen: 250.042 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.2	51.2
71	40.9	32.7	49.1

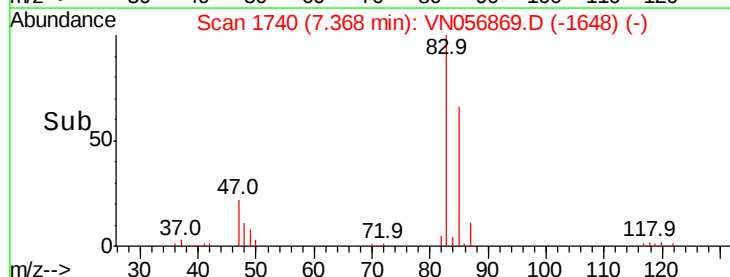
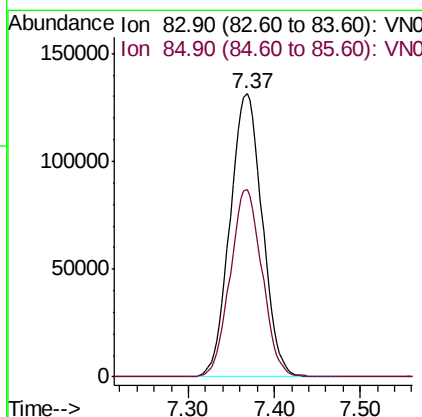
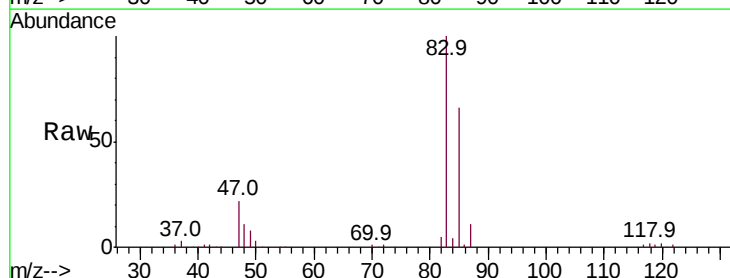
Manual Integrations
APPROVED

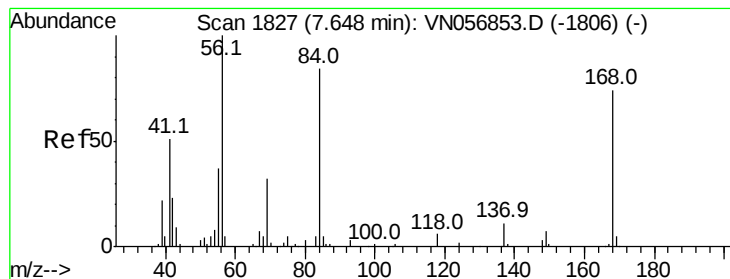
MMDadoda
7/24/2019 1:13:54 PM



#30
Chloroform
Concen: 46.294 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





#31

Cyclohexane

Concen: 47.384 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 339371

Ion Ratio Lower Upper

56 100

69 32.2 25.5 38.3

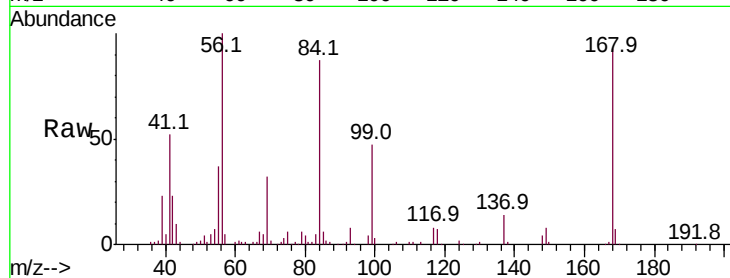
84 85.8 67.3 100.9

Manual Integrations

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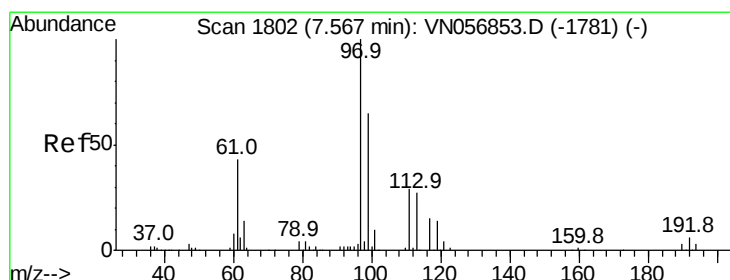
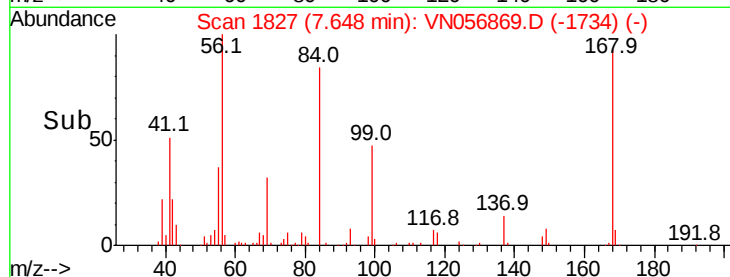
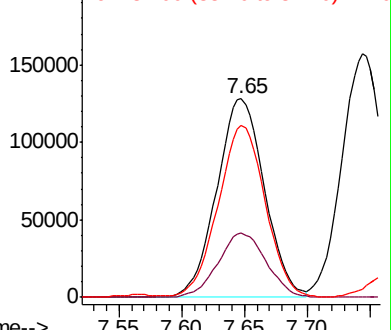


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 48.393 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

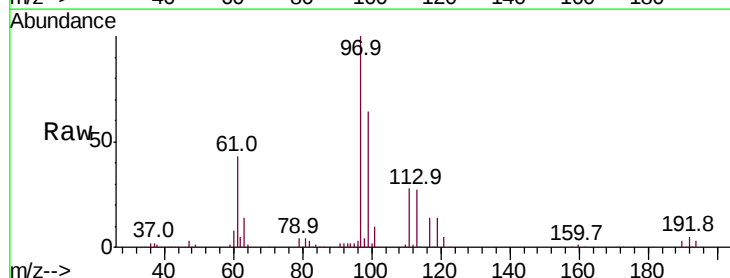
Tgt Ion: 97 Resp: 289721

Ion Ratio Lower Upper

97 100

99 63.9 52.1 78.1

61 43.0 34.0 51.0

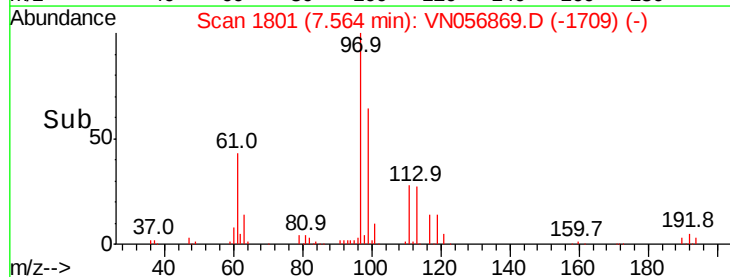
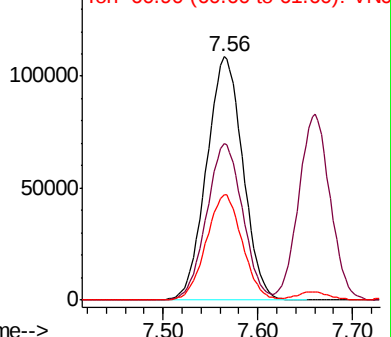


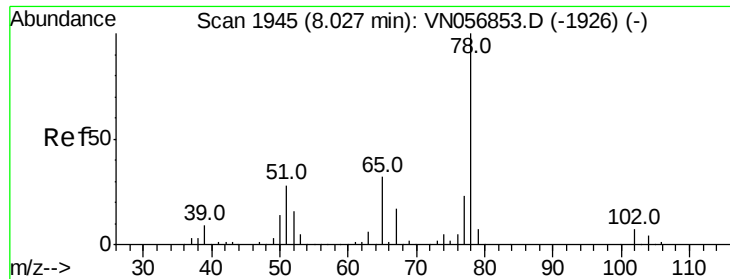
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





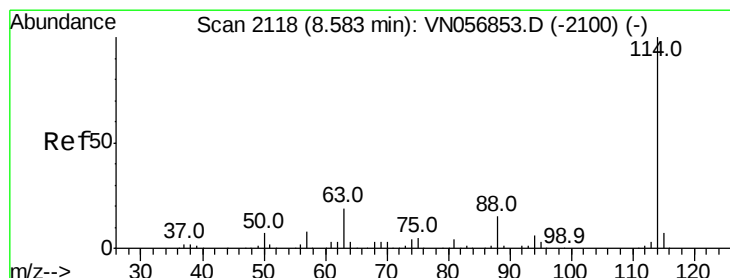
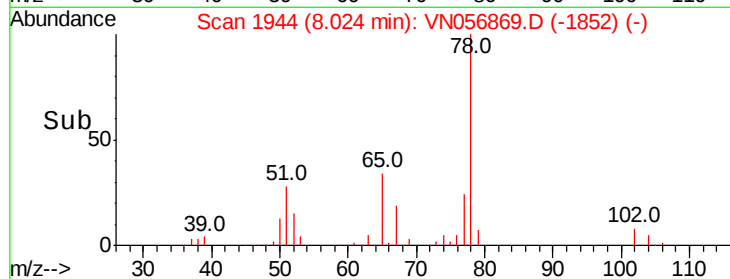
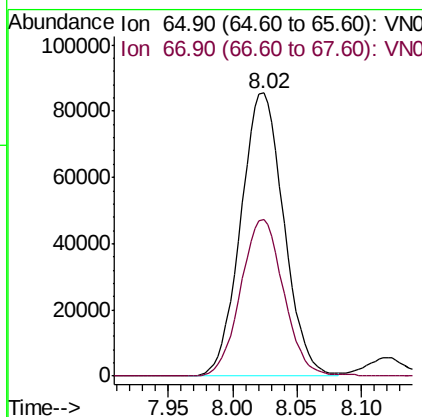
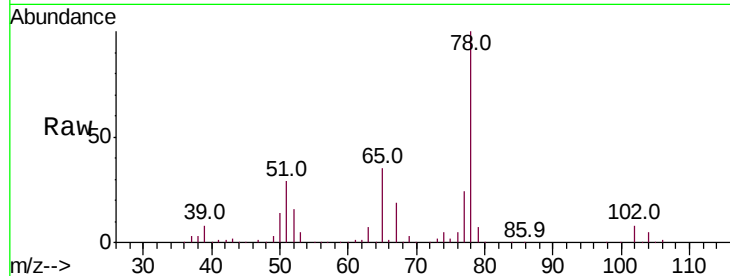
#33
 1,2-Dichloroethane-d4
 Concen: 47.269 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	199176		
67	55.3	0.0	108.6	

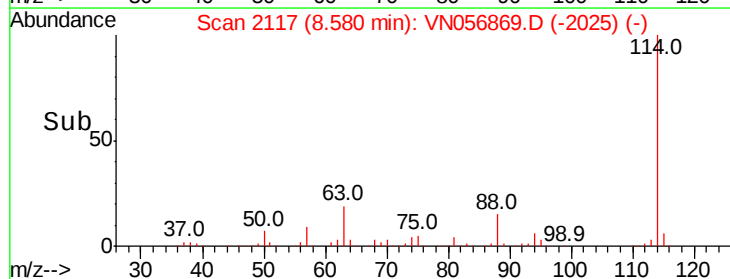
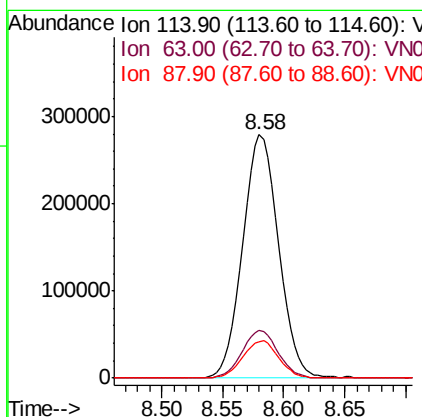
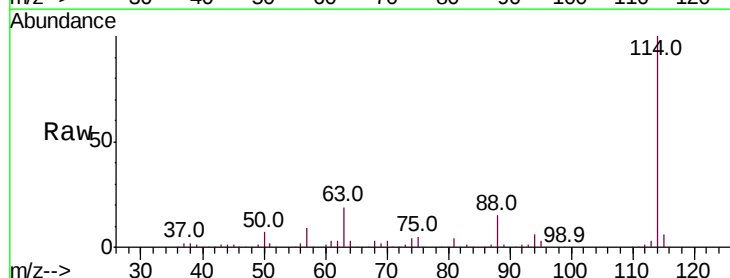
Manual Integrations
 APPROVED

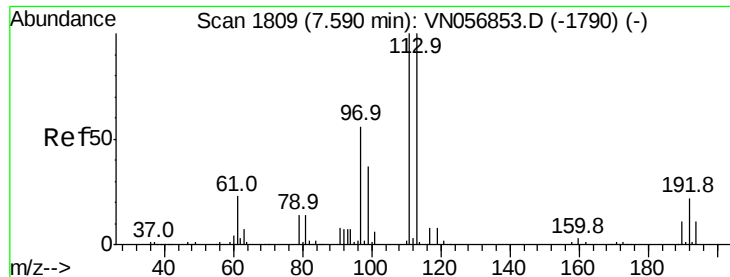
MMDadoda
 7/24/2019 1:13:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	566229		
63	19.4	0.0	37.8	
88	15.1	0.0	31.0	





#35

Dibromofluoromethane

Concen: 51.131 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

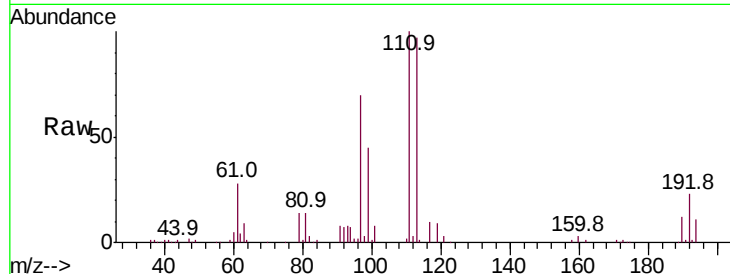
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	22.3	18.5	27.7	

Manual Integrations
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MMDadoda
7/24/2019 1:13:54 PM

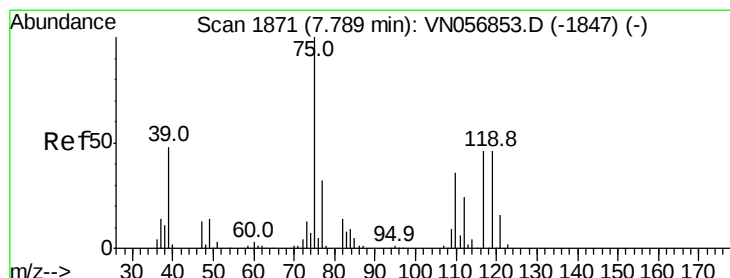
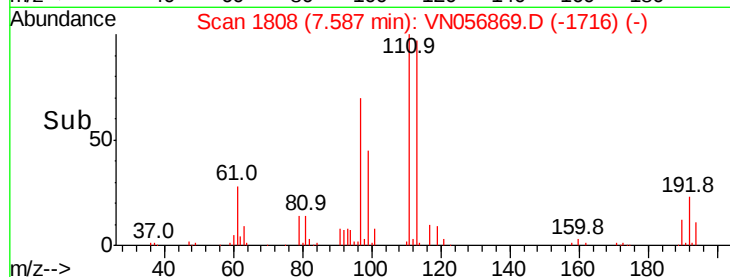
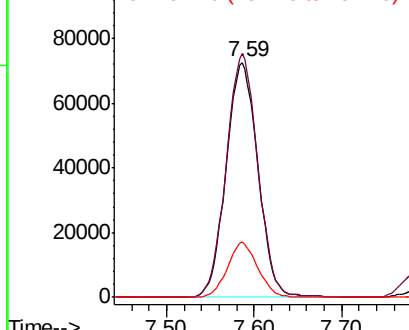


Abundance

Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 52.016 ug/l

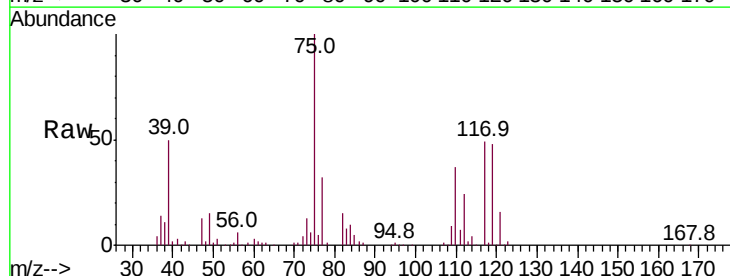
RT: 7.79 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	17.9	53.7	
77	31.4	25.0	37.6	

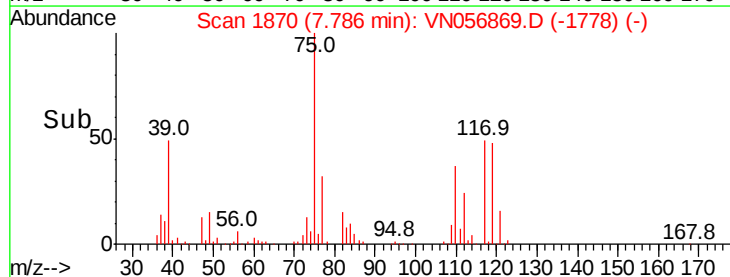
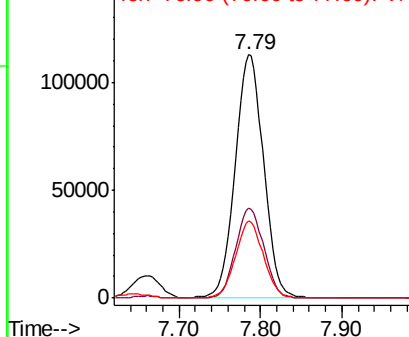


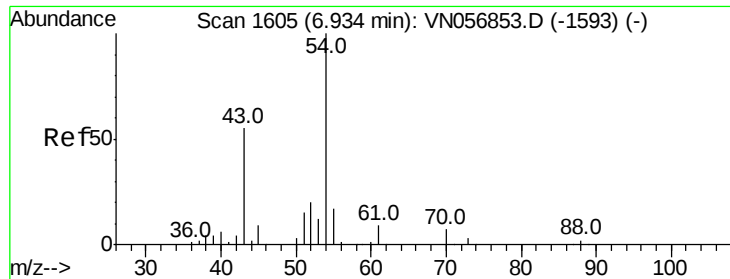
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





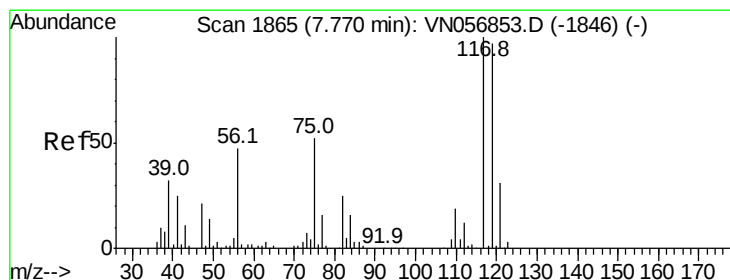
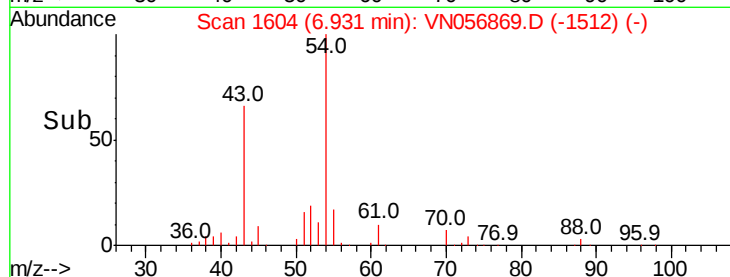
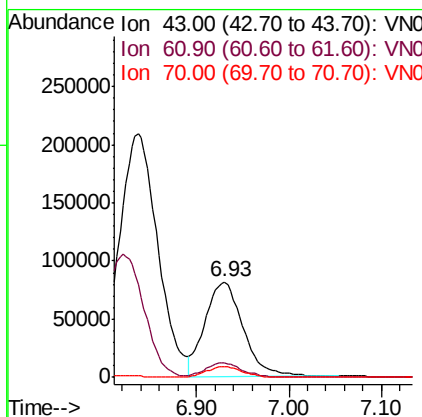
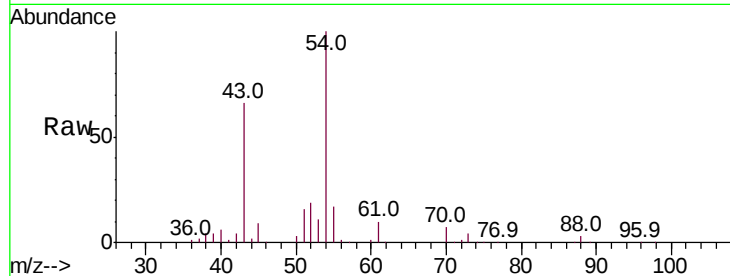
#37
Ethyl Acetate
Concen: 55.135 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.8	8.6	13.0

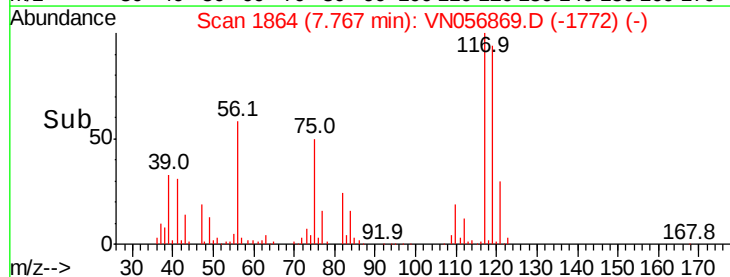
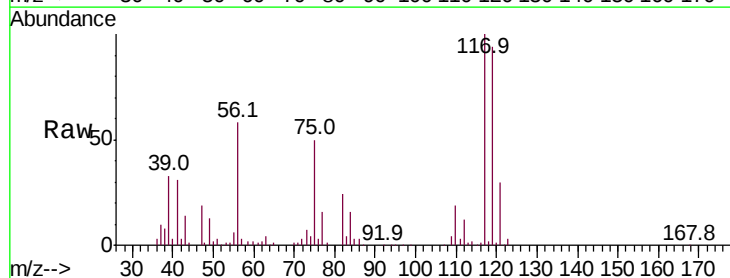
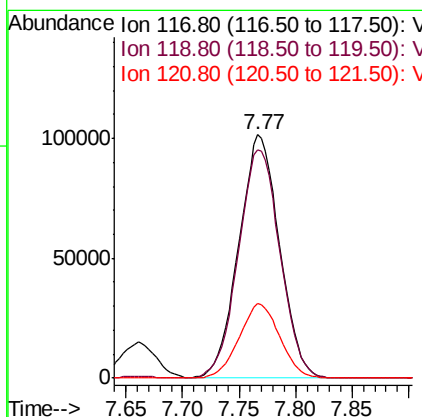
Manual Integrations
APPROVED

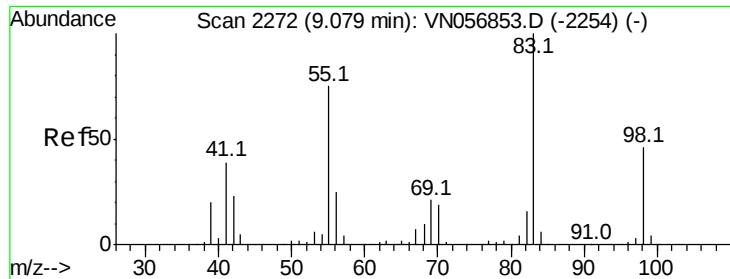
MMDadoda
7/24/2019 1:13:54 PM



#38
Carbon Tetrachloride
Concen: 50.818 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
121	30.5	24.5	36.7





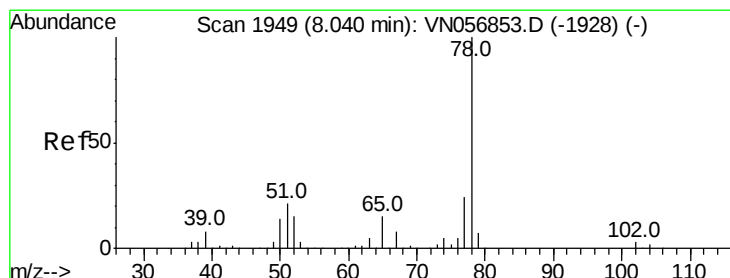
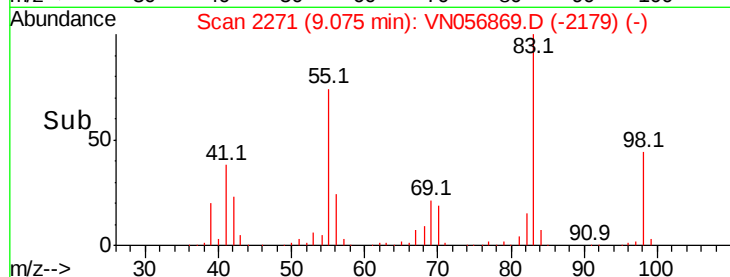
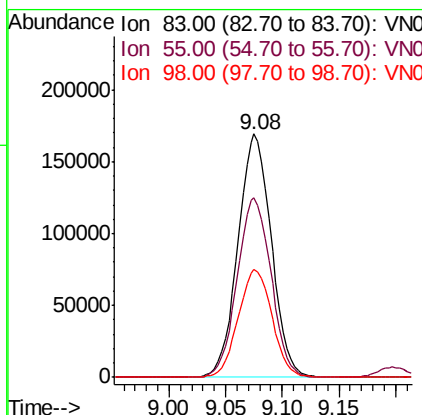
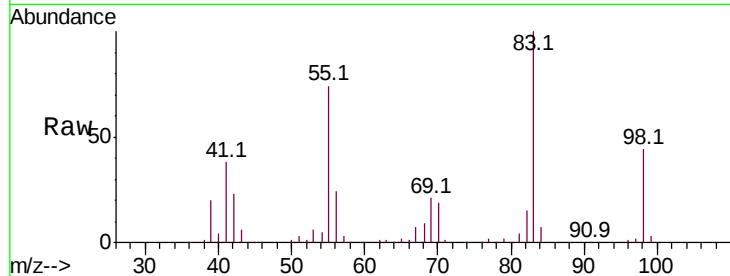
#39
Methvlcvclohexane
Concen: 53.243 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	59.8	89.8
98	44.1	37.1	55.7

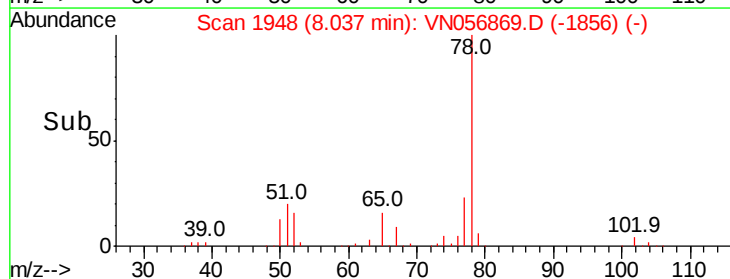
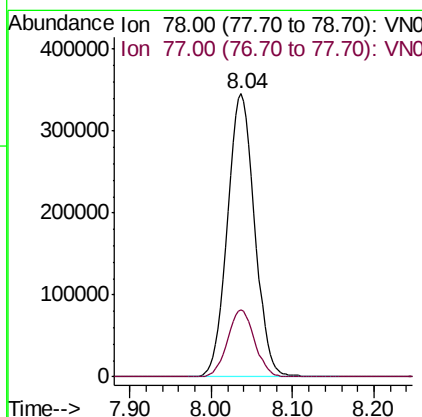
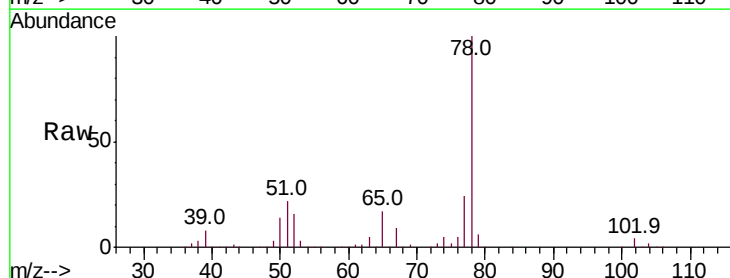
Manual Integrations
APPROVED

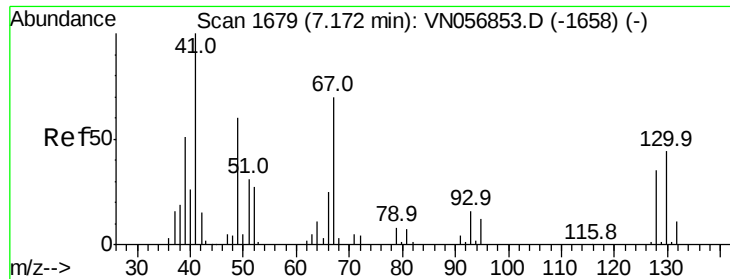
MMDadoda
7/24/2019 1:13:54 PM



#40
Benzene
Concen: 49.984 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





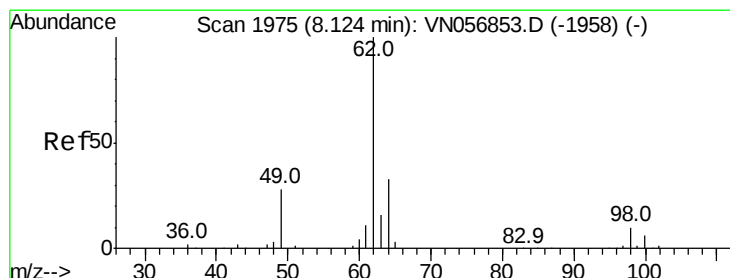
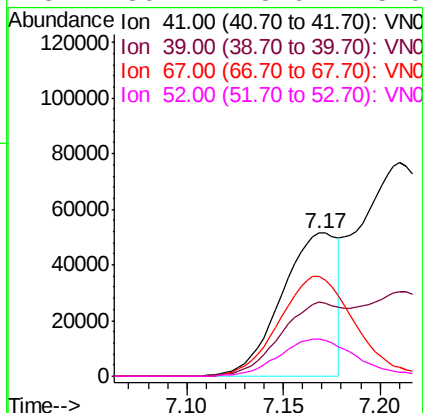
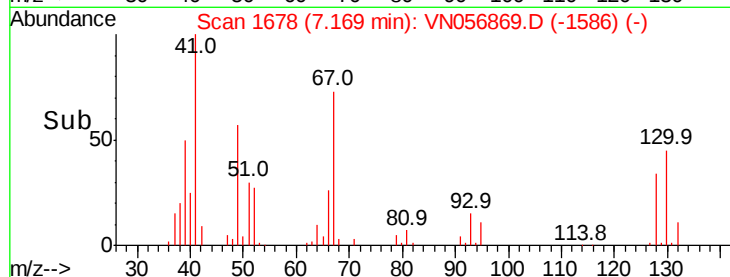
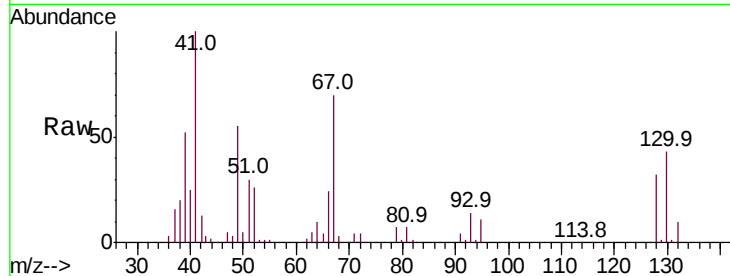
#41
Methacrylonitrile
Concen: 49.513 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.3	44.0	66.0
67	94.3	73.5	110.3
52	36.4	28.6	43.0

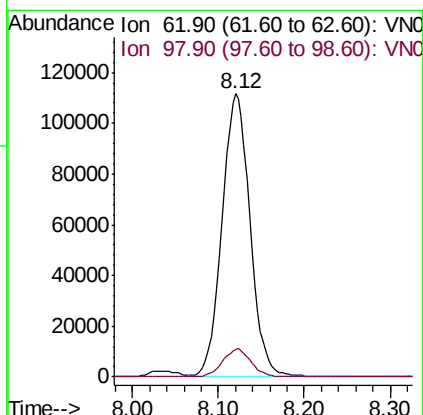
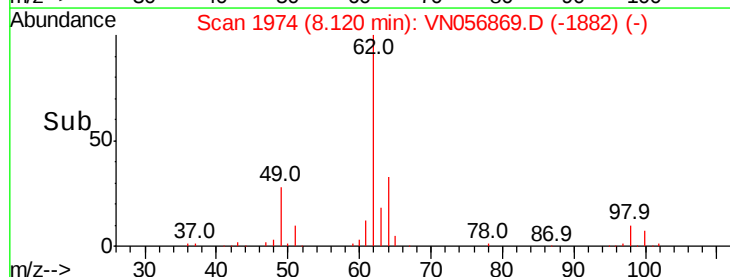
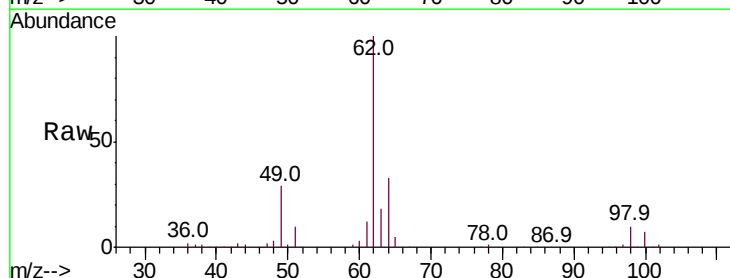
Manual Integrations
APPROVED

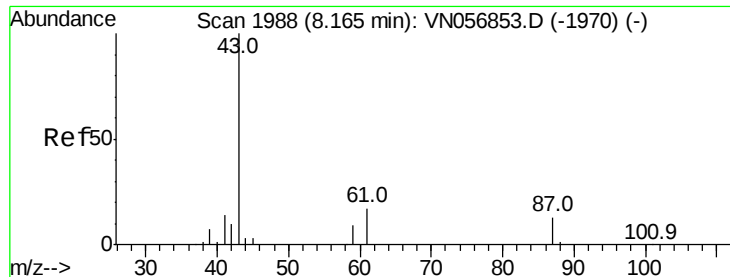
MMDadoda
7/24/2019 1:13:54 PM



#42
1,2-Dichloroethane
Concen: 49.669 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 51.142 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

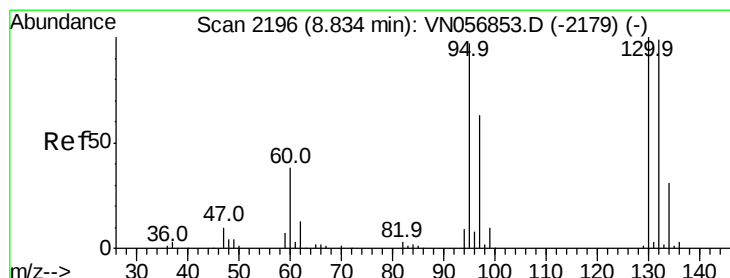
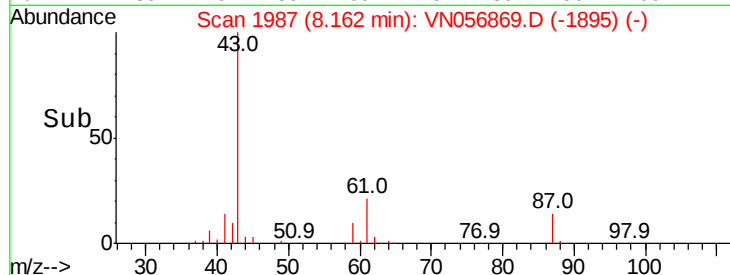
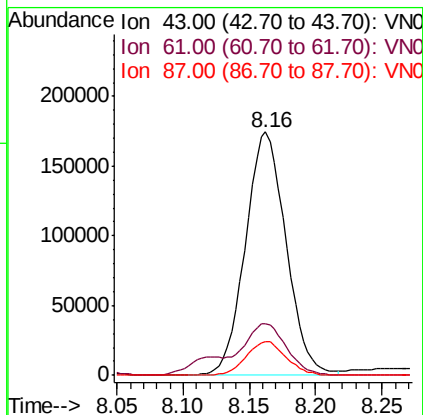
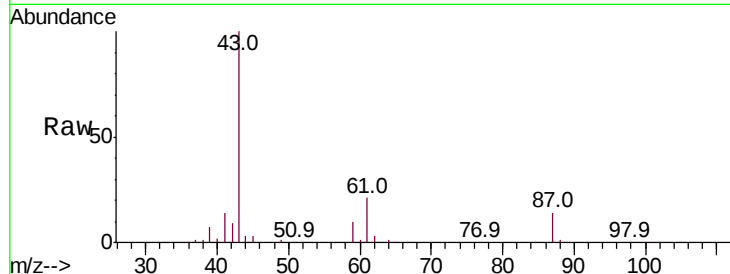
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	370222
Ion Ratio	Lower	Upper	
43	100		
61	22.1	17.8	26.6
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.319 ug/l

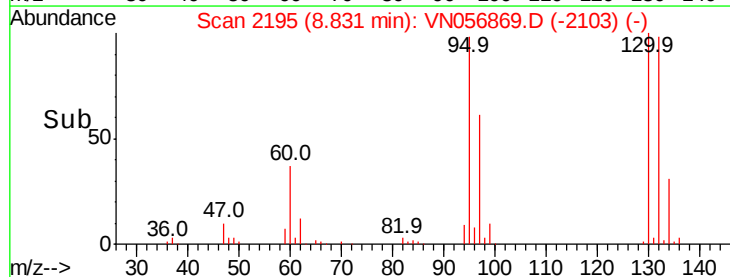
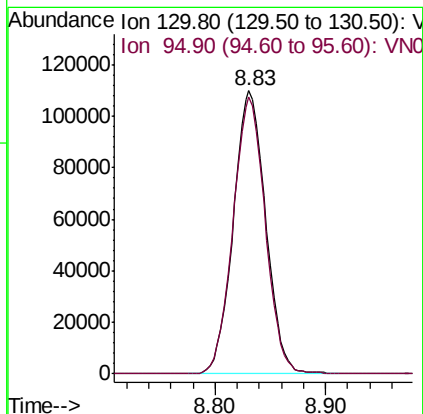
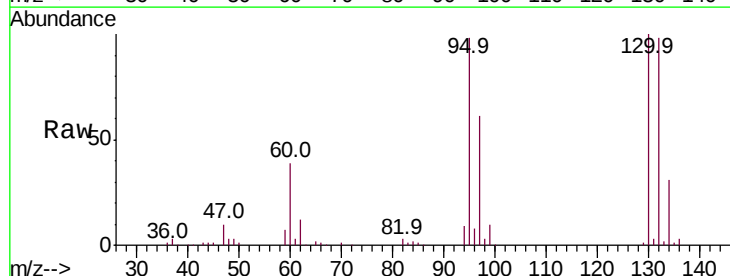
RT: 8.83 min Scan# 2195

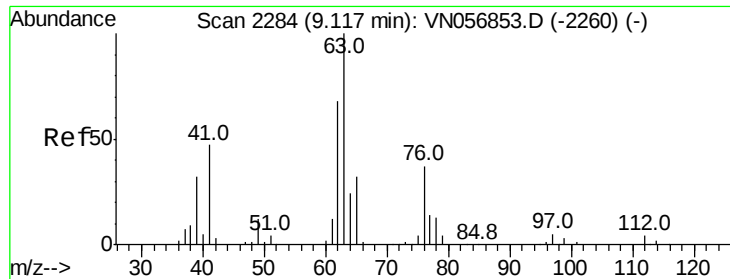
Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion:	130	Resp:	222939
Ion Ratio	Lower	Upper	
130	100		
95	97.7	0.0	194.0





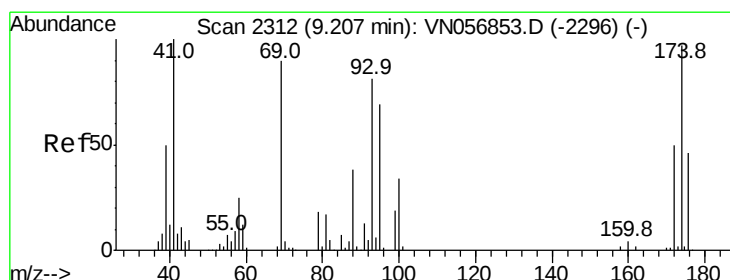
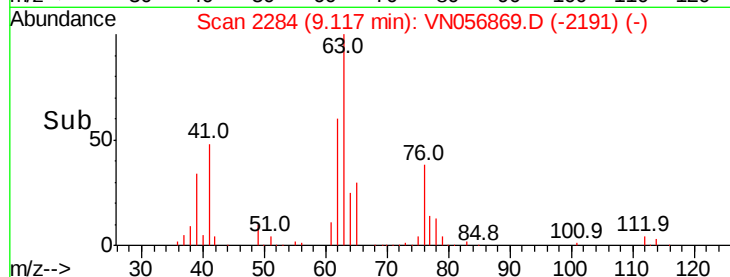
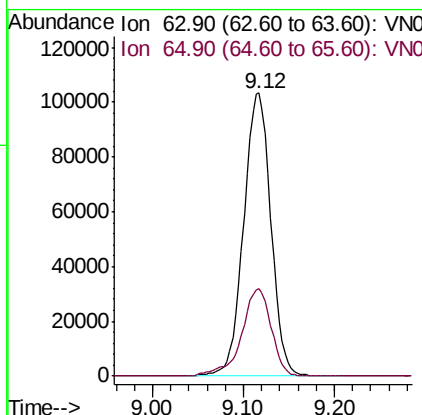
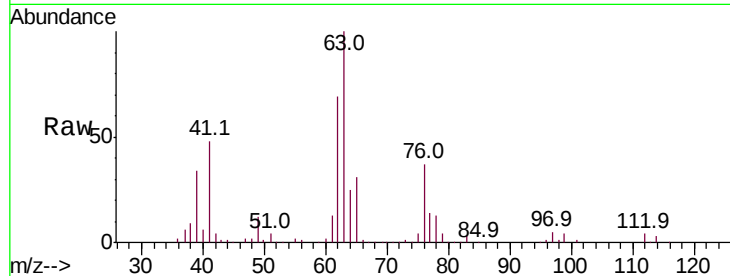
#45
 1,2-Dichloropropane
 Concen: 49.121 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 214635
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.4 38.0

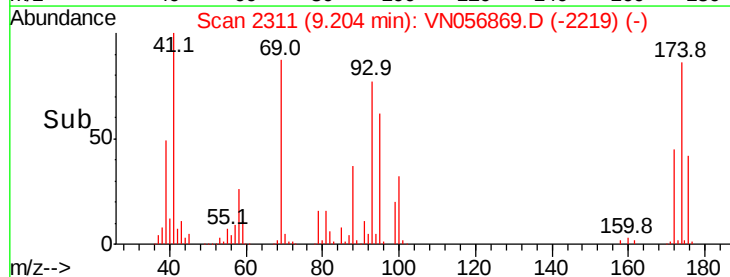
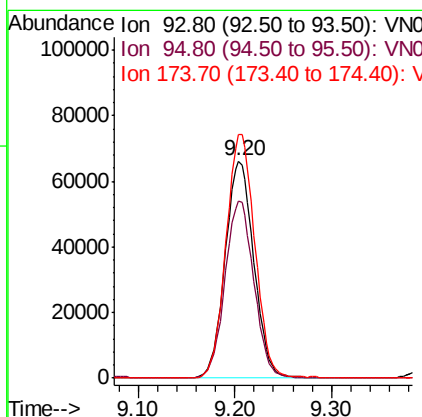
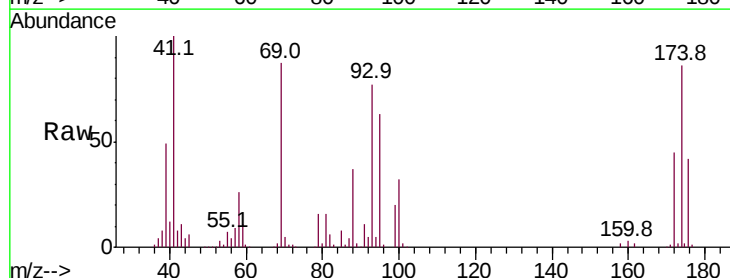
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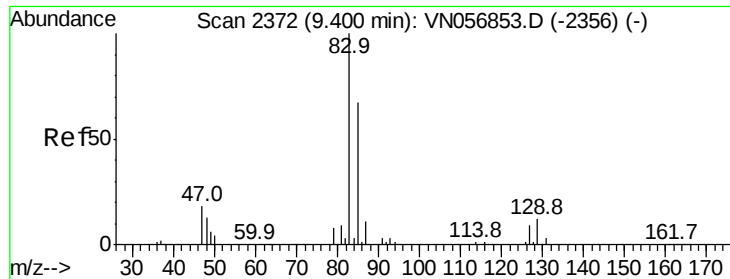
MMDadoda
 7/24/2019 1:13:54 PM



#46
 Dibromomethane
 Concen: 50.541 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion: 93 Resp: 136311
 Ion Ratio Lower Upper
 93 100
 95 82.0 67.4 101.0
 174 112.7 92.9 139.3





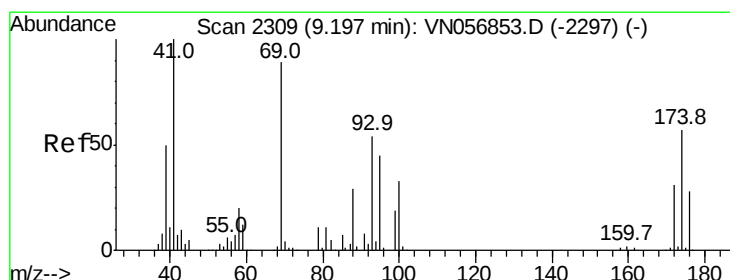
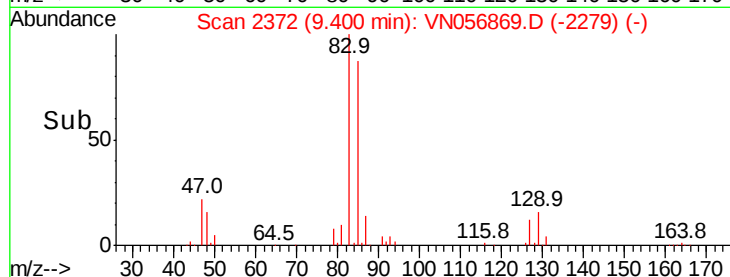
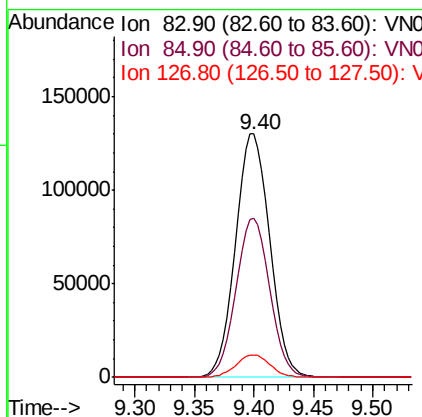
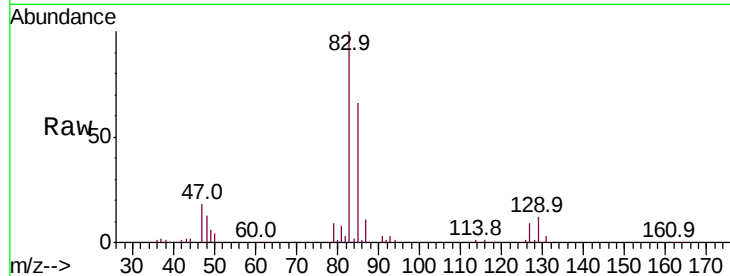
#47
Bromodichloromethane
Concen: 51.319 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	260290		
85	65.6		53.4	80.2
127	9.3		7.2	10.8

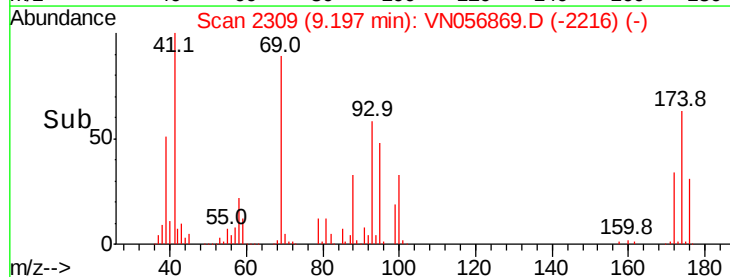
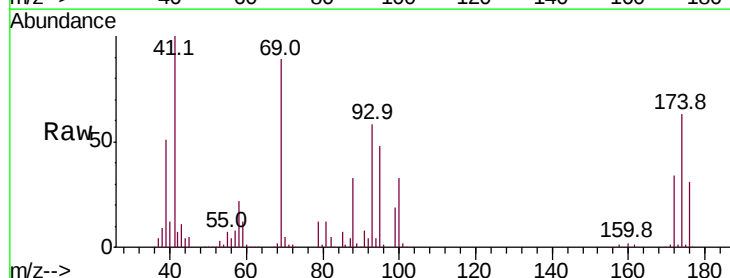
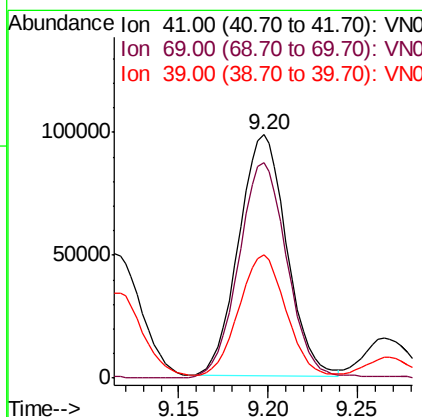
Manual Integrations
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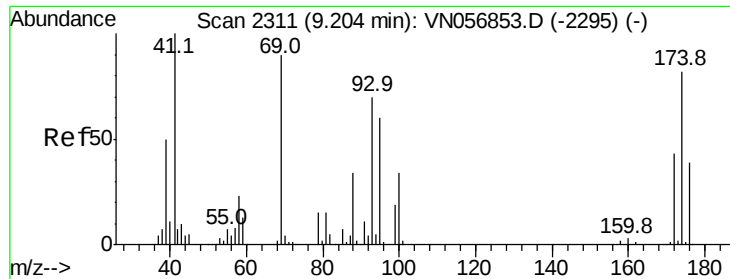
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#48
Methyl methacrylate
Concen: 50.958 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	184539		
69	90.1		71.1	106.7
39	50.9		40.6	60.8





#49

1,4-Dioxane

Concen: 1095.251 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 77800

Ion Ratio Lower Upper

88 100

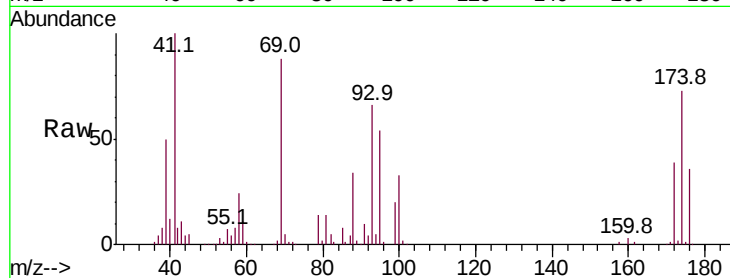
43 27.4 21.4 32.2

58 67.0 55.7 83.5

Manual Integrations
APPROVED

MMDadoda

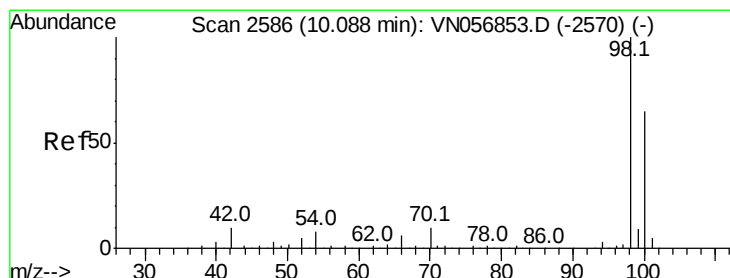
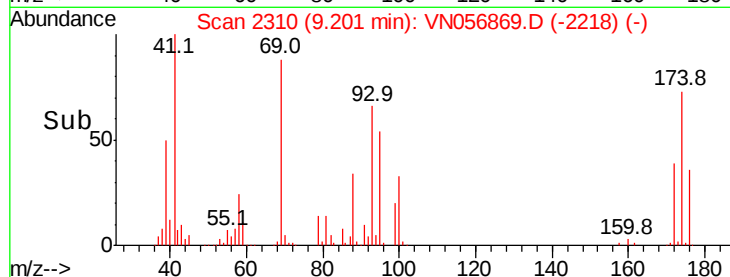
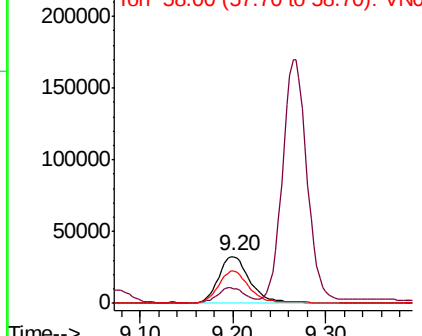
7/24/2019 1:13:54 PM



Abundance Ion 88.00 (87.70 to 88.70): VN056853.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN056853.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN056853.D (-2295) (-)



#50

Toluene-d8

Concen: 51.007 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056869.D

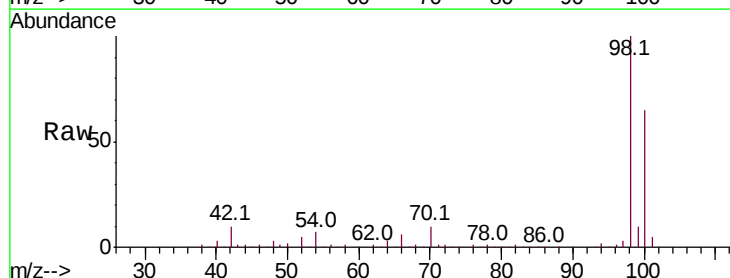
Acq: 23 Jul 2019 9:11

Tgt Ion: 98 Resp: 700358

Ion Ratio Lower Upper

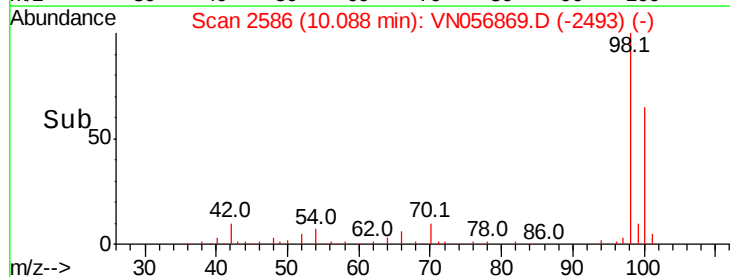
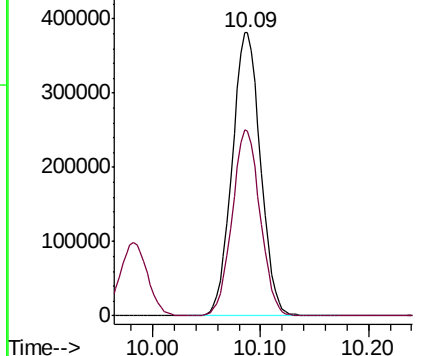
98 100

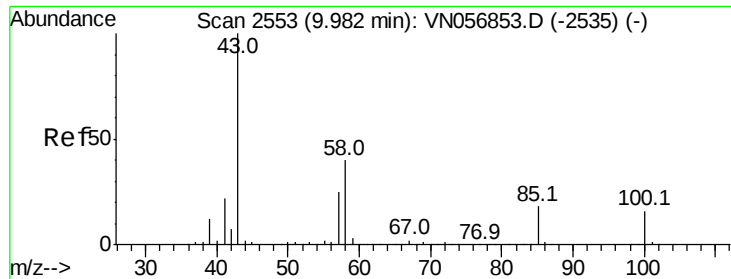
100 64.8 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN056853.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056853.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 266.684 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1151234

Ion Ratio Lower Upper

43 100

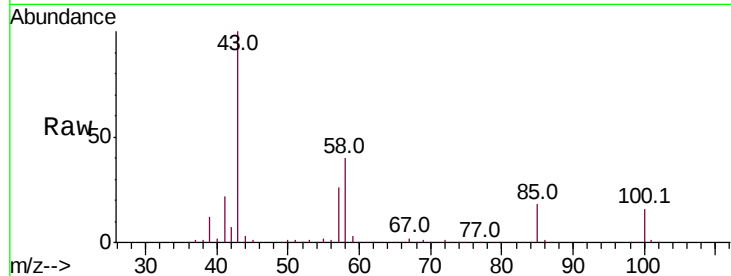
58 40.2 32.4 48.6

Manual Integrations

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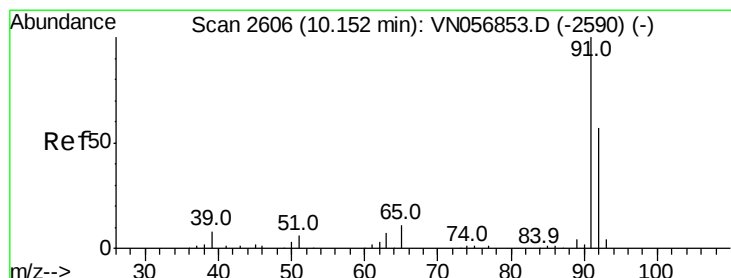
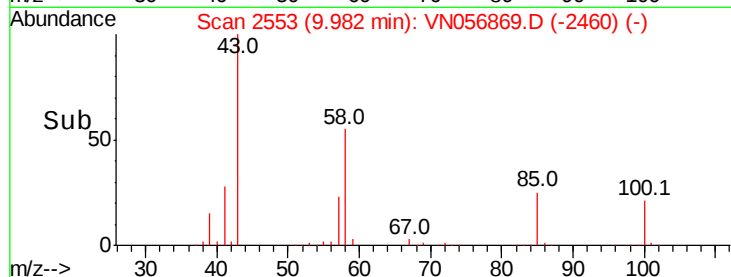
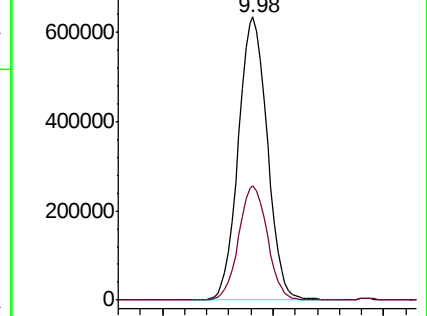
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.476 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056869.D

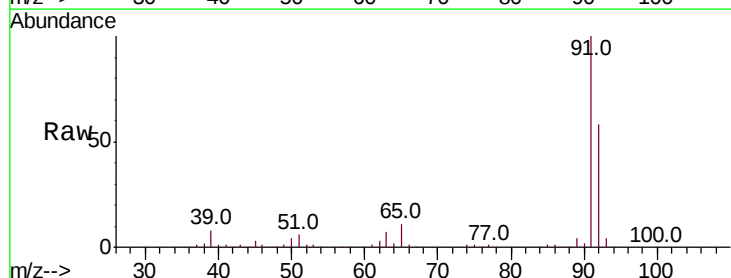
Acq: 23 Jul 2019 9:11

Tgt Ion: 92 Resp: 502434

Ion Ratio Lower Upper

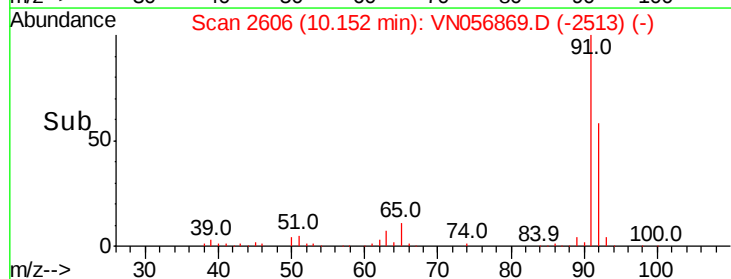
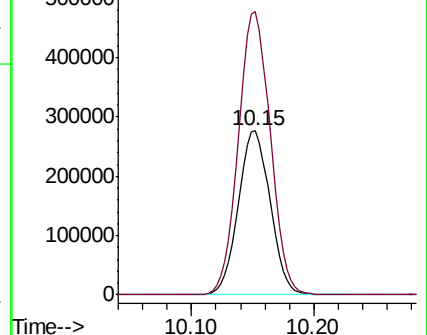
92 100

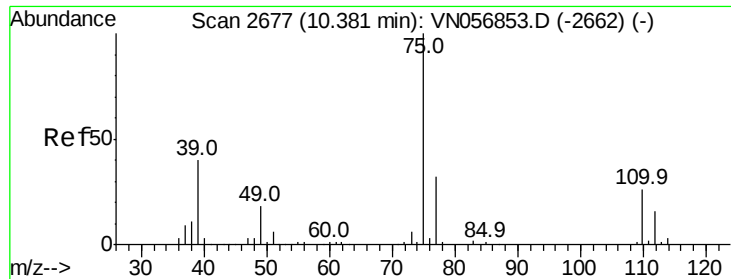
91 173.1 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





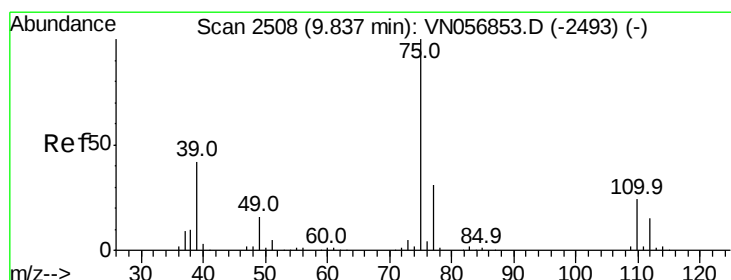
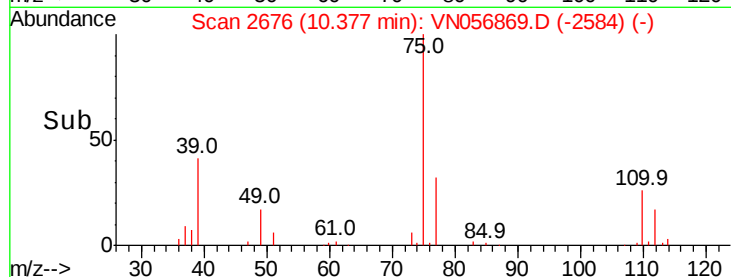
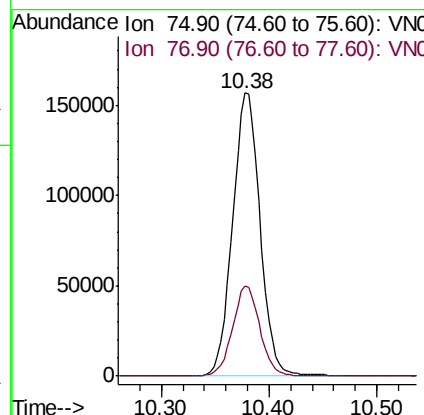
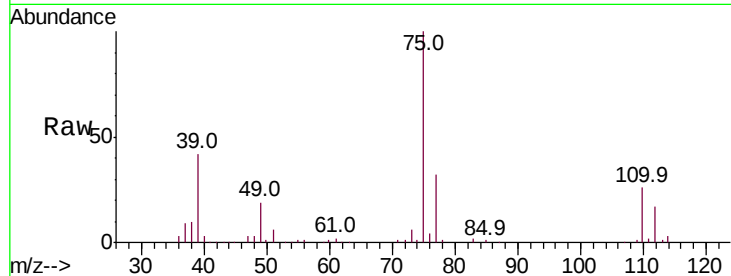
#53
t-1,3-Dichloropropene
Concen: 53.622 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 279132
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

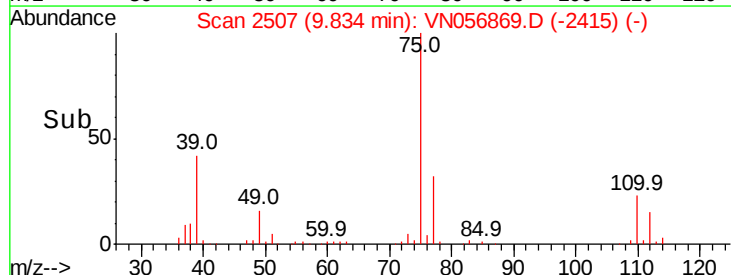
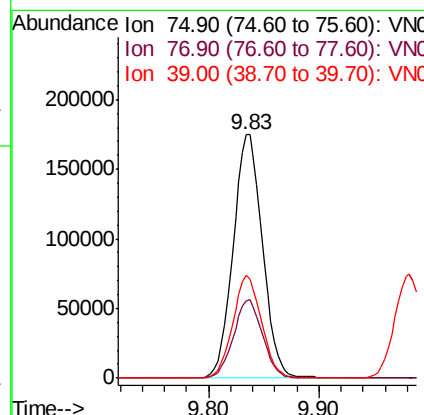
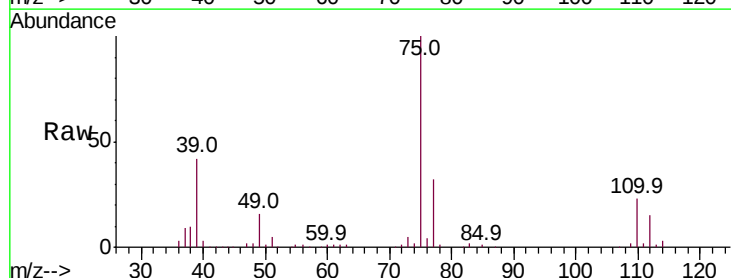
Manual Integrations
APPROVED

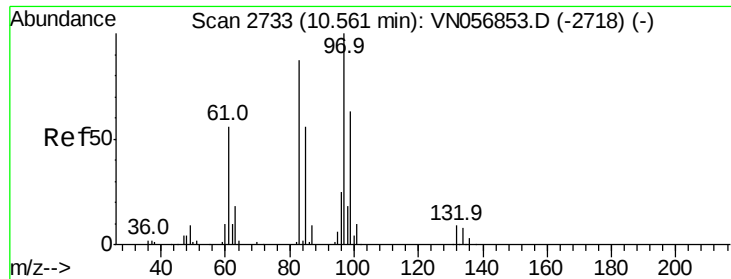
MMDadoda
7/24/2019 1:13:54 PM



#54
cis-1,3-Dichloropropene
Concen: 52.602 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 75 Resp: 322820
Ion Ratio Lower Upper
75 100
77 31.9 25.1 37.7
39 42.1 33.4 50.2





#55

1,1,2-Trichloroethane

Concen: 49.755 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

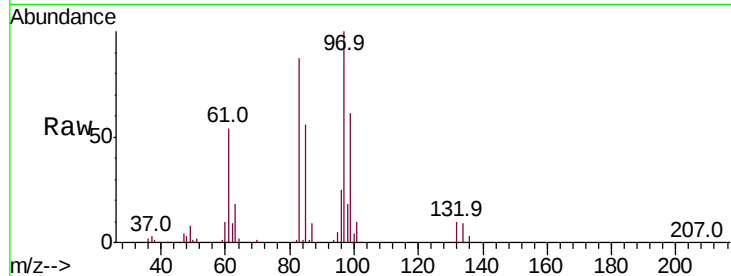
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	192754
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.0	105.0
85	55.6	45.1	67.7
99	60.9	50.2	75.4

Manual Integrations
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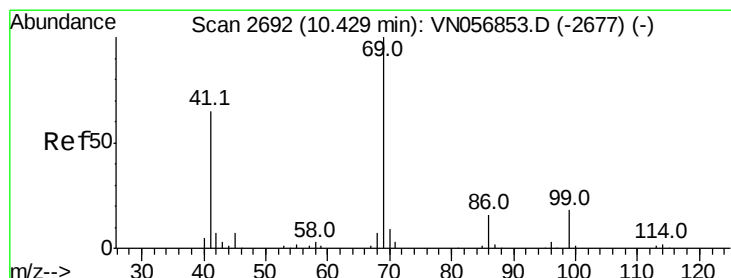
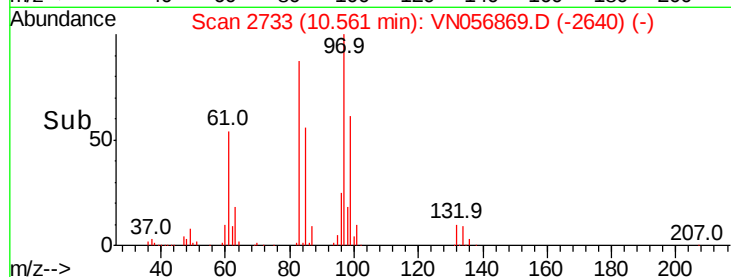
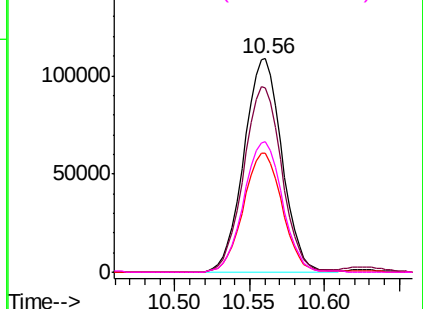
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 54.607 ug/l

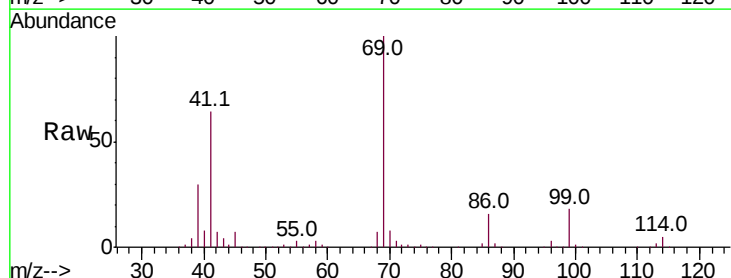
RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion:	69	Resp:	293669
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.0	76.6
39	30.2	24.5	36.7

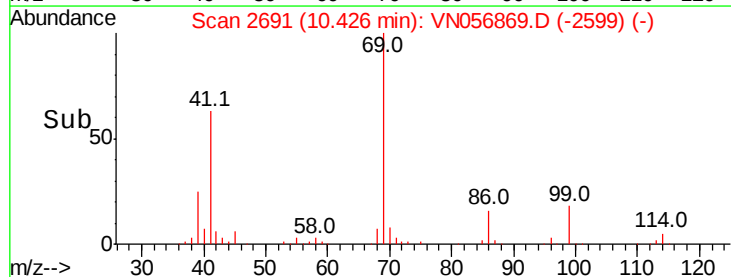
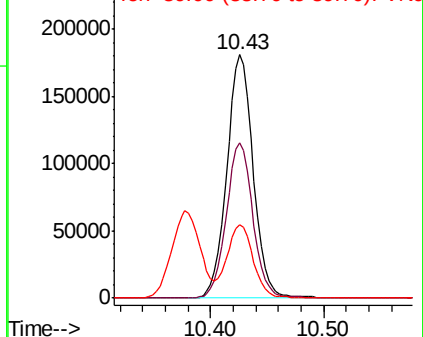


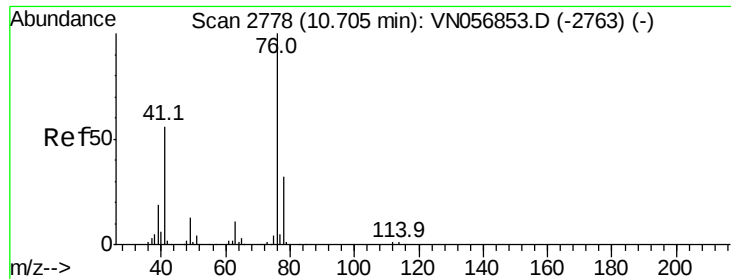
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.848 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 326065

Ion Ratio Lower Upper

76 100

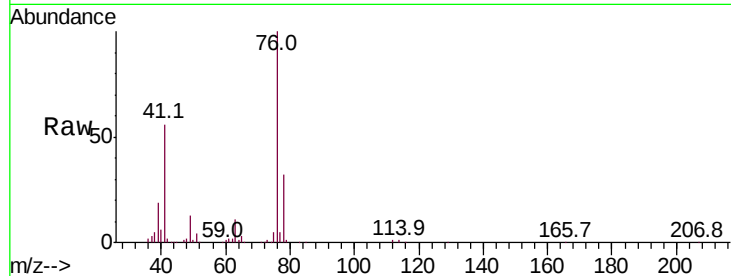
78 32.3 25.8 38.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

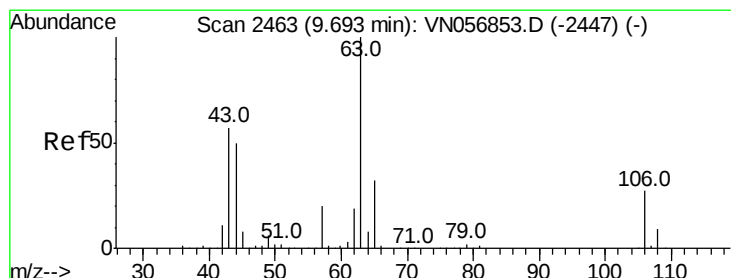
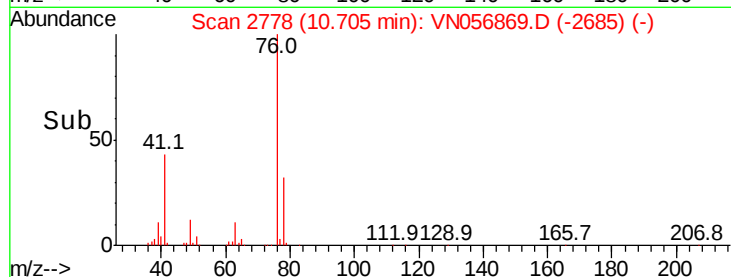
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 245.910 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056869.D

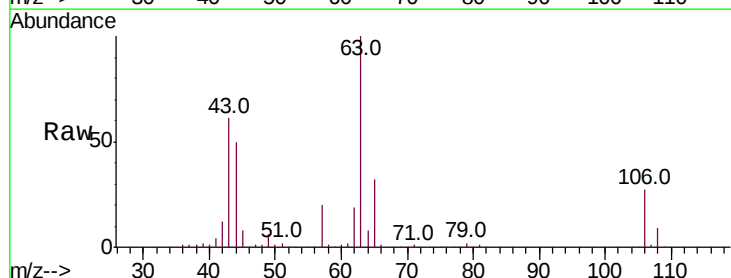
Acq: 23 Jul 2019 9:11

Tgt Ion: 63 Resp: 622436

Ion Ratio Lower Upper

63 100

106 26.8 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

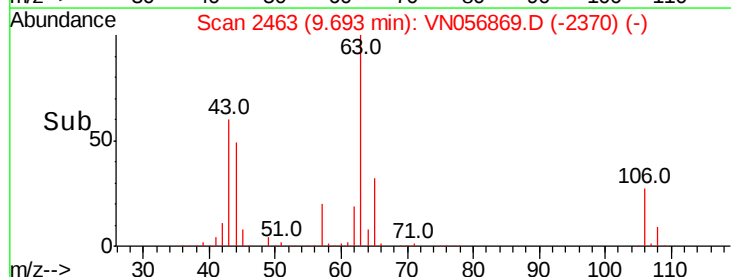
300000

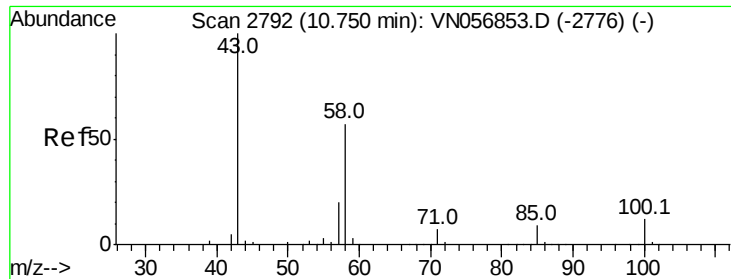
200000

100000

0

Time-->





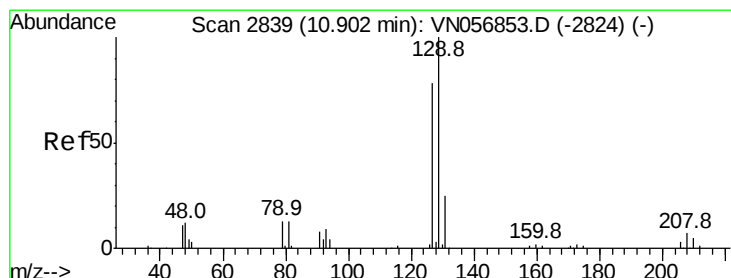
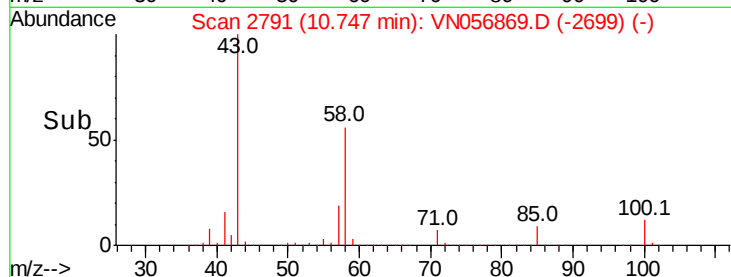
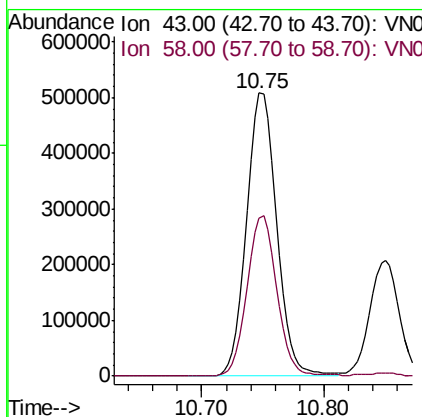
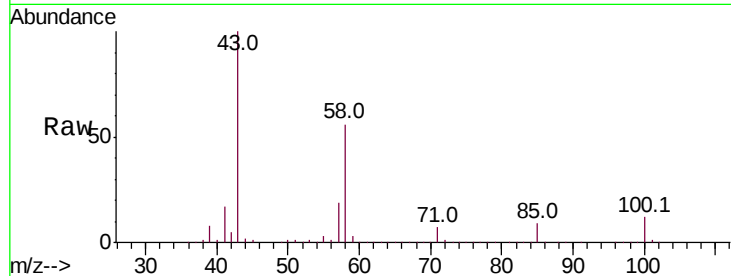
#59
2-Hexanone
Concen: 288.521 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 862124
Ion Ratio Lower Upper
43 100
58 56.1 28.3 85.0

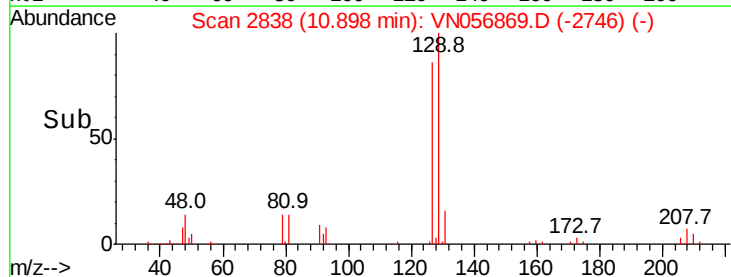
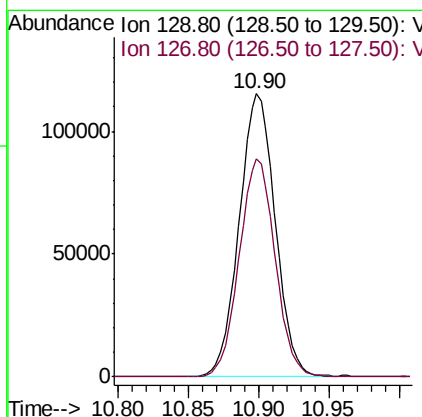
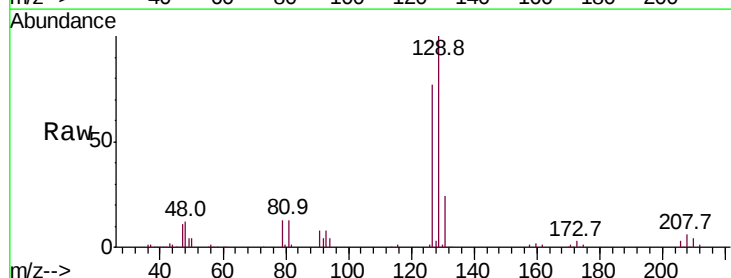
Manual Integrations
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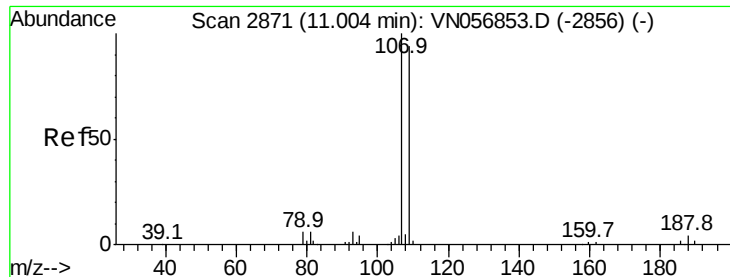
MMDadoda
7/24/2019 1:13:54 PM



#60
Dibromochloromethane
Concen: 53.278 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion: 129 Resp: 207112
Ion Ratio Lower Upper
129 100
127 76.8 38.5 115.5





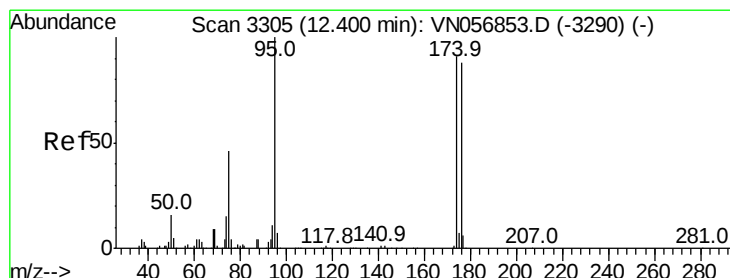
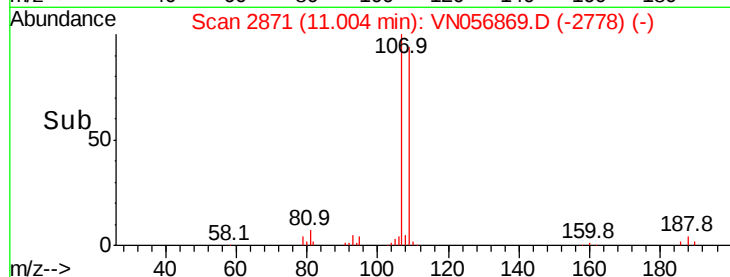
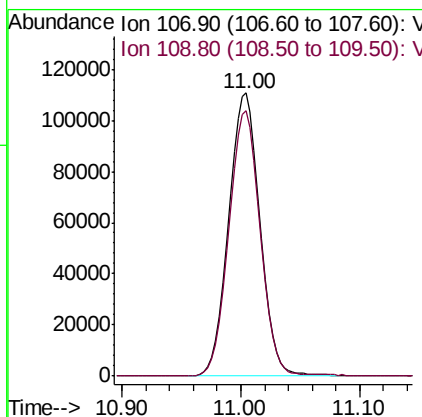
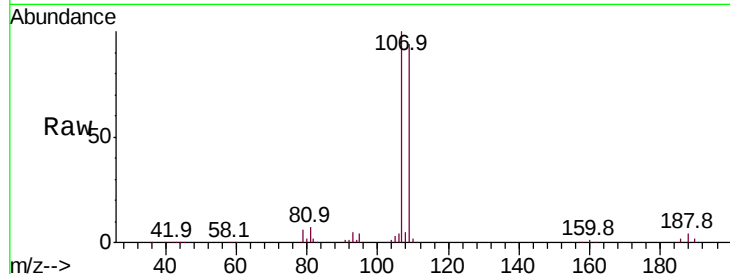
#61
1,2-Dibromoethane
Concen: 52.413 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

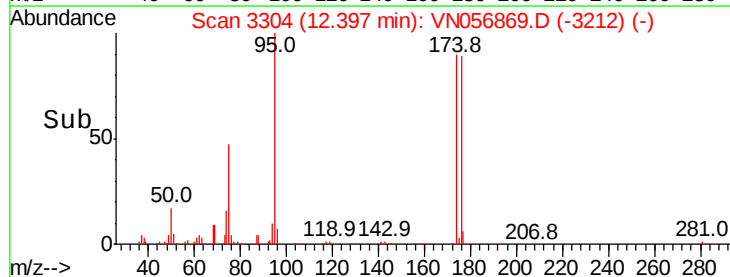
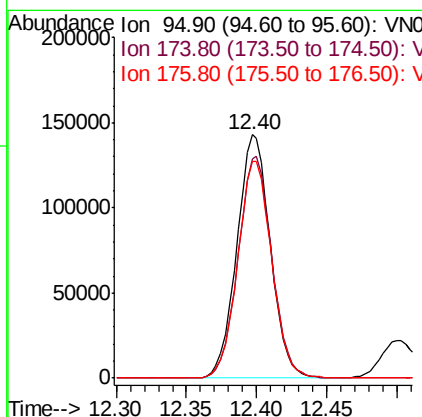
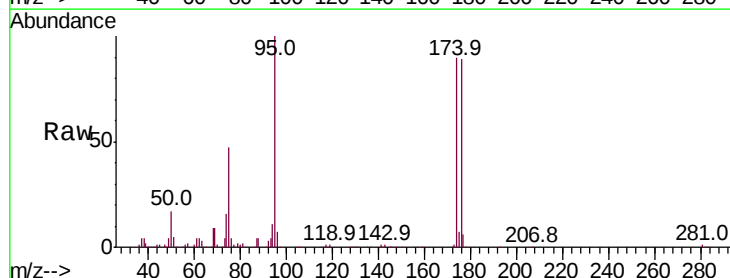
Manual Integrations
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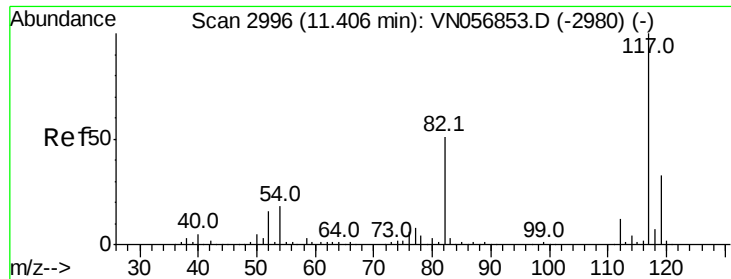
MMDadoda
7/24/2019 1:13:54 PM



#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	183.4
176	90.1	0.0	175.8





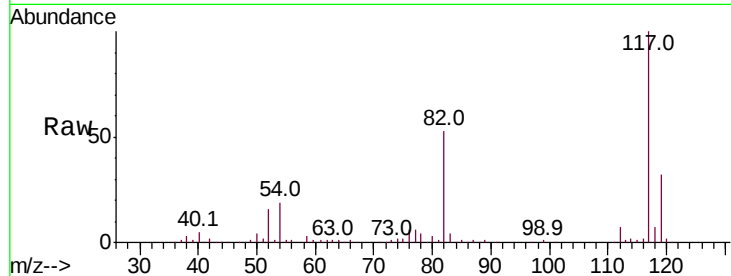
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	41.2	61.8
119	31.7	26.4	39.6

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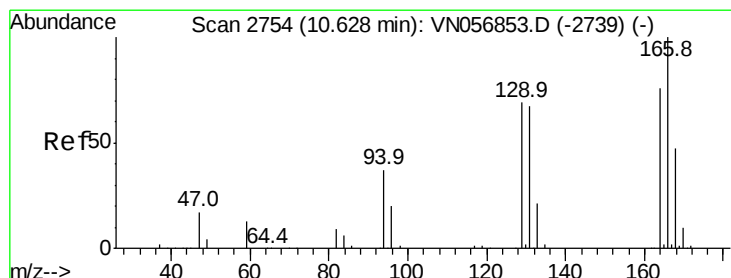
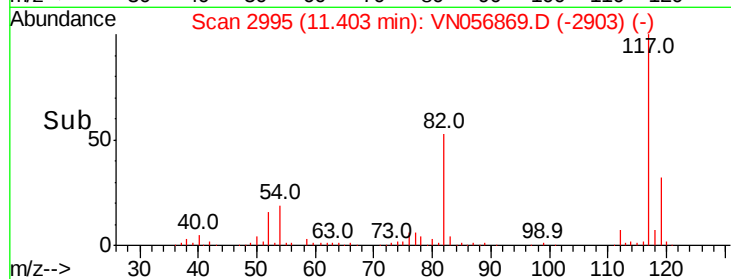
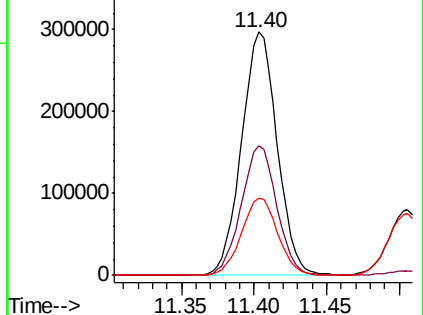


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 52.180 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	104.9	157.3
129	90.0	72.8	109.2
131	85.4	70.2	105.2

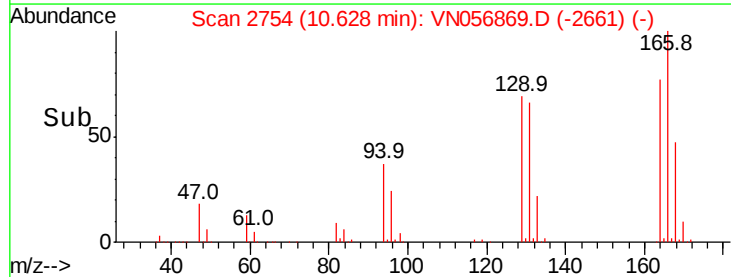
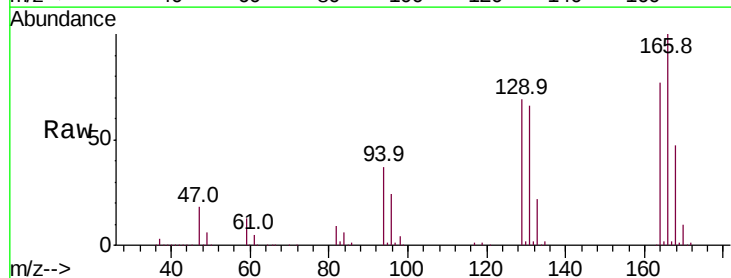
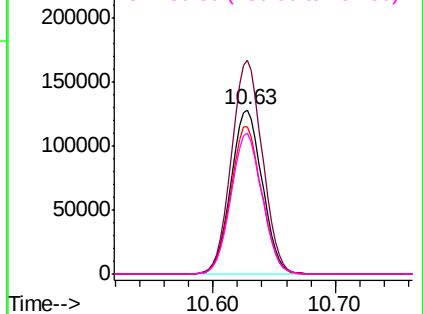
Abundance

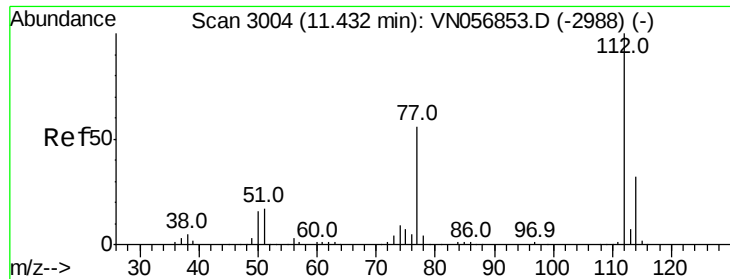
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





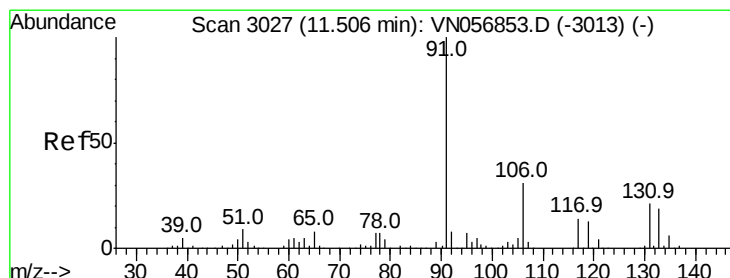
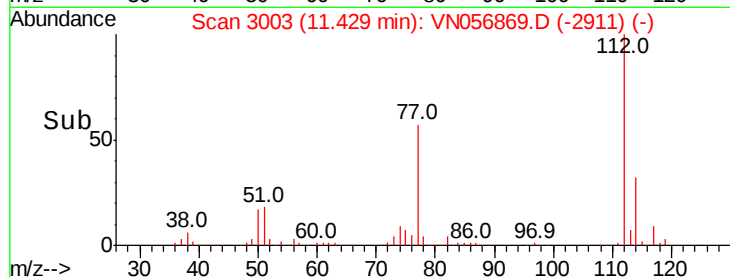
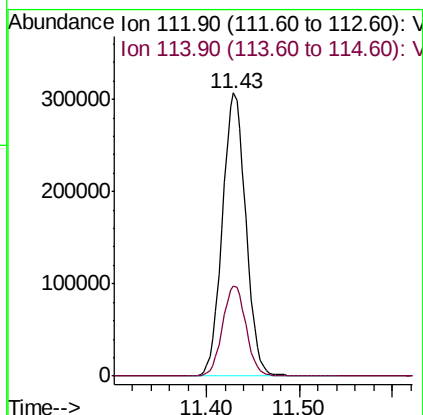
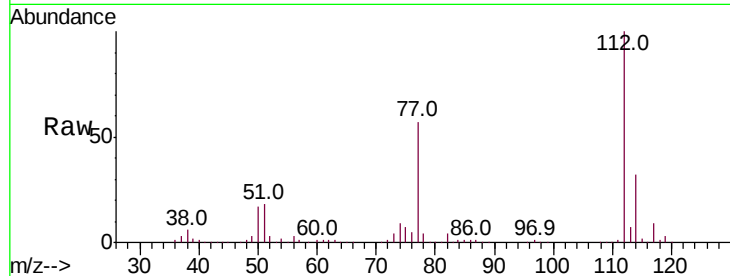
#65
Chlorobenzene
Concen: 50.793 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 537780
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3

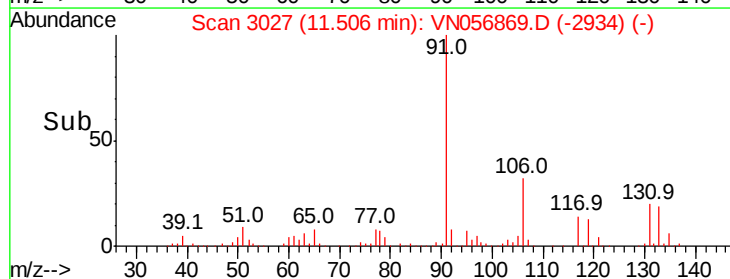
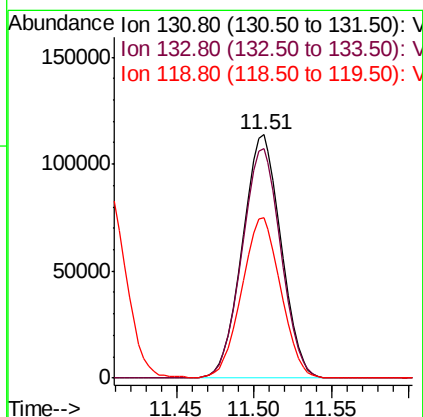
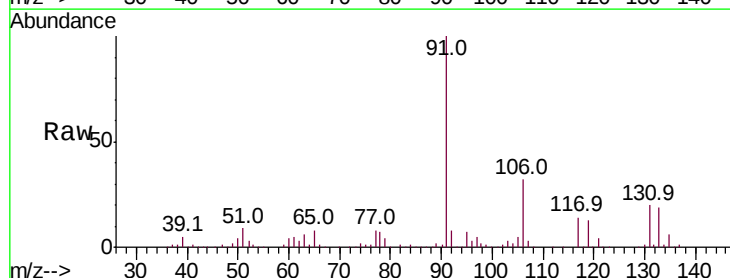
Manual Integrations
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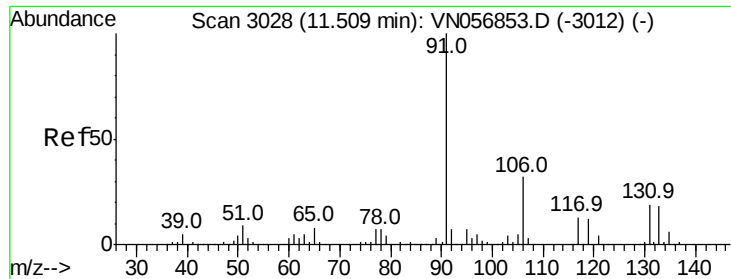
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.619 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion:131 Resp: 198059
Ion Ratio Lower Upper
131 100
133 95.1 47.4 142.3
119 66.5 33.1 99.5





#67

Ethyl Benzene

Concen: 52.284 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 955639

Ion Ratio Lower Upper

91 100

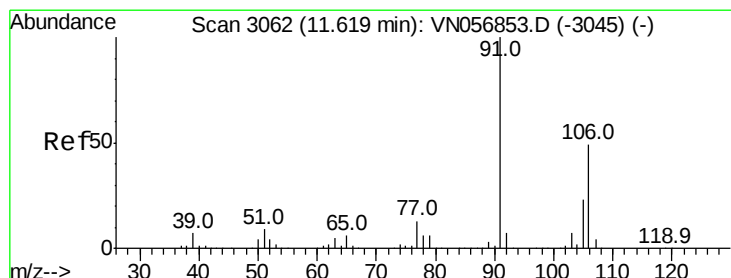
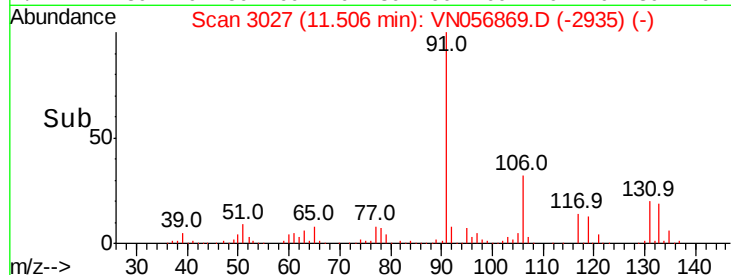
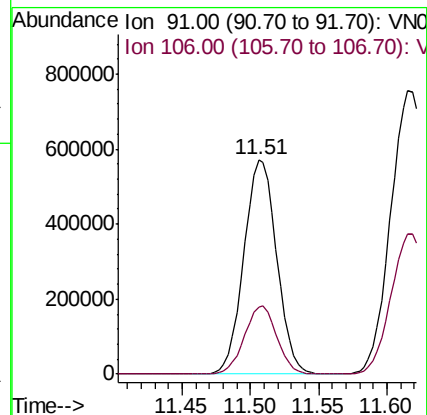
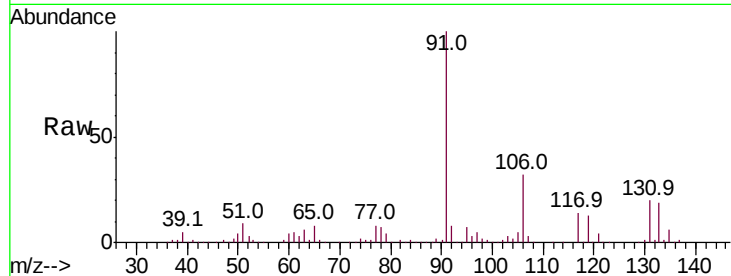
106 31.5 25.3 37.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 106.272 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN056869.D

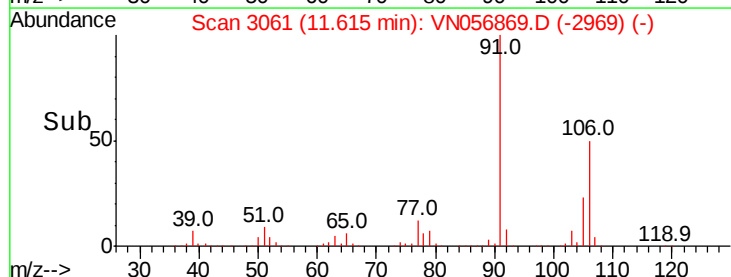
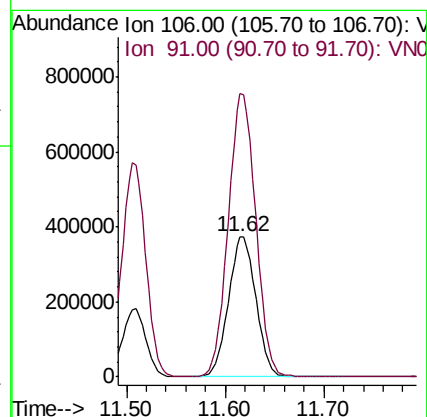
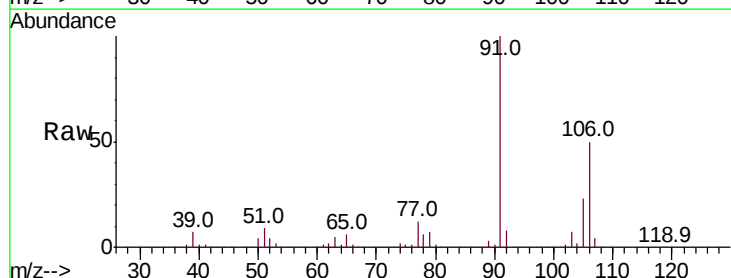
Acq: 23 Jul 2019 9:11

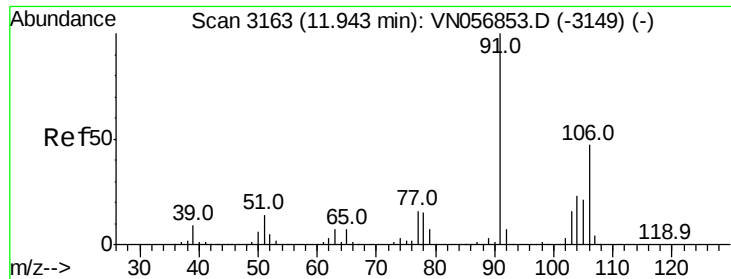
Tgt Ion: 106 Resp: 727183

Ion Ratio Lower Upper

106 100

91 202.7 160.5 240.7





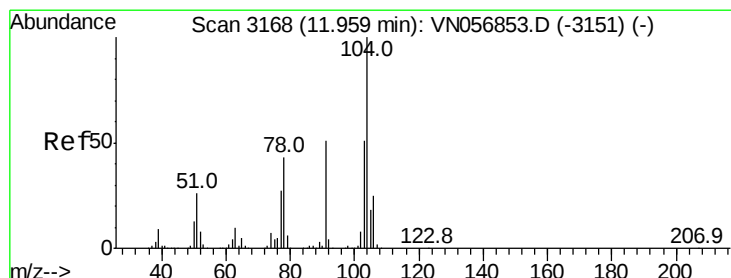
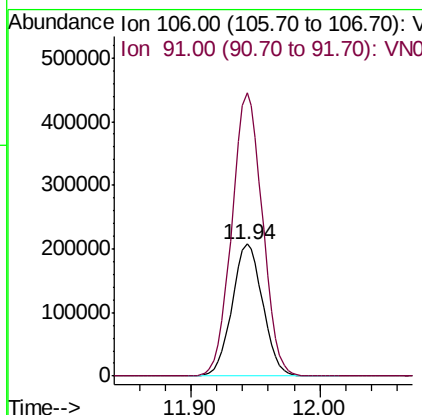
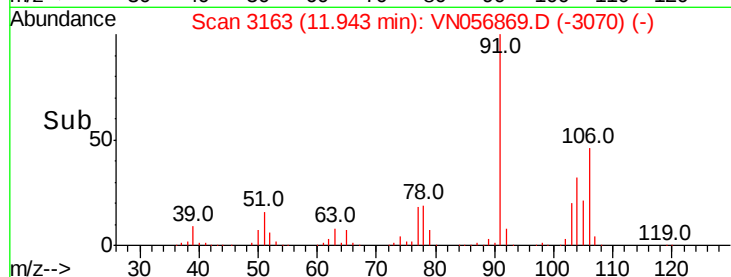
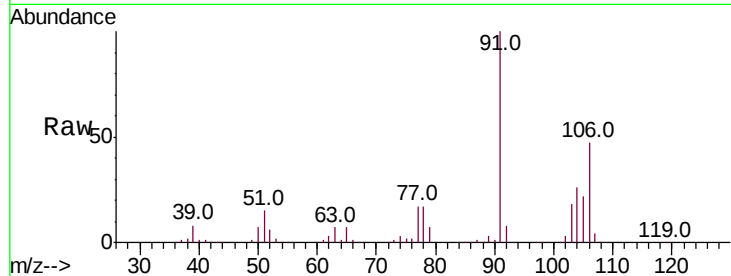
#69
o-Xylene
Concen: 51.447 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 343661
Ion Ratio Lower Upper
106 100
91 213.1 105.1 315.3

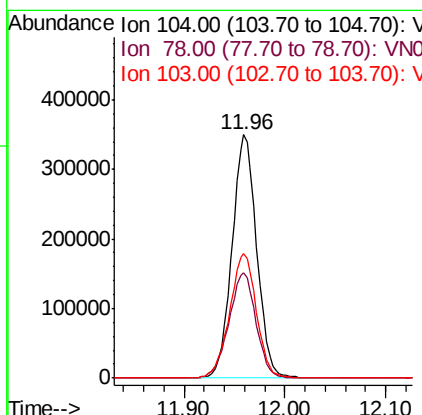
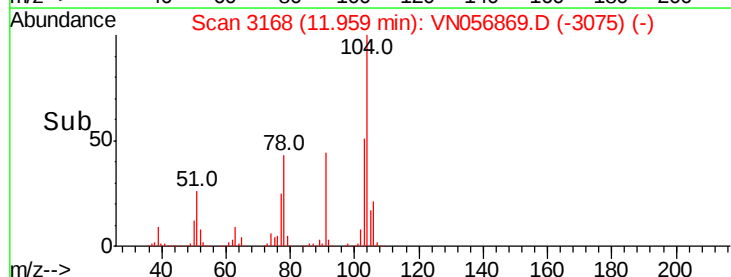
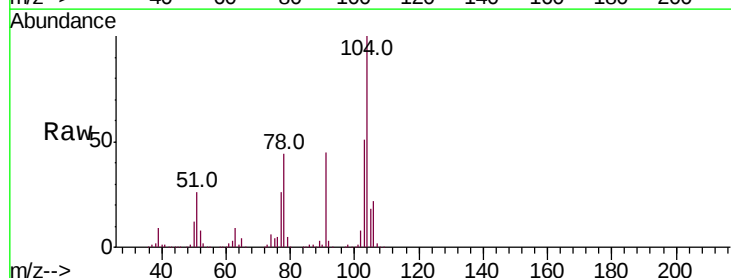
Manual Integrations
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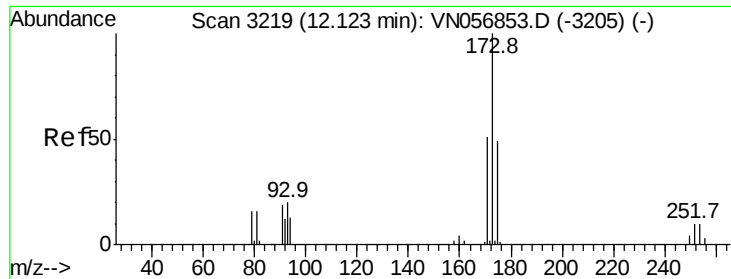
MMDadoda
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#70
Styrene
Concen: 50.739 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion:104 Resp: 594838
Ion Ratio Lower Upper
104 100
78 47.8 38.1 57.1
103 55.6 44.2 66.4





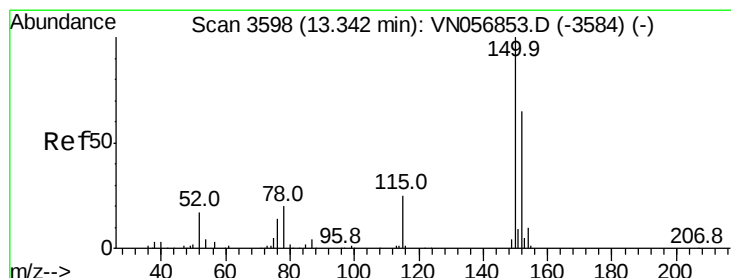
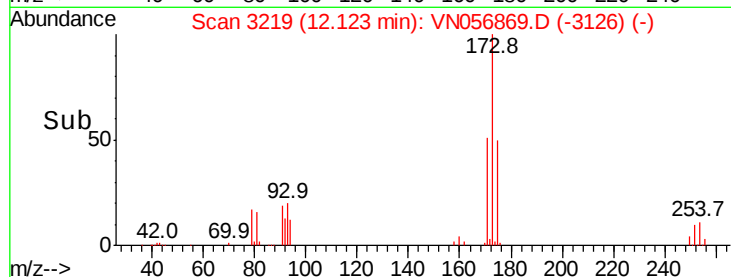
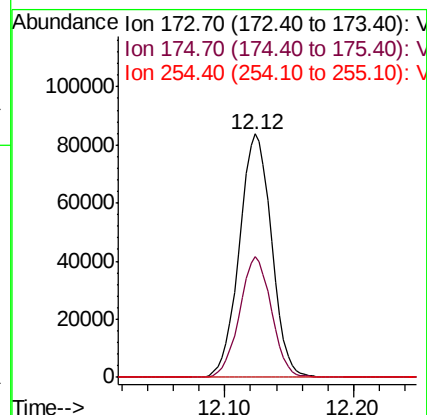
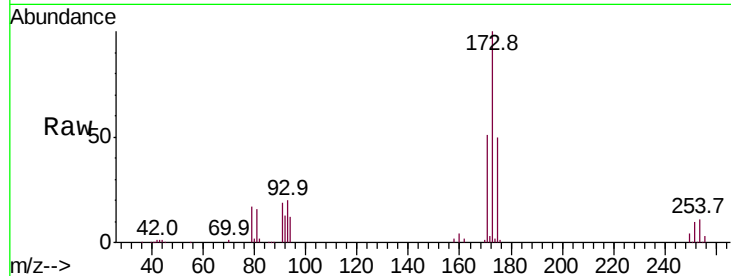
#71
Bromoform
Concen: 52.557 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.3
254	0.1	0.0	0.0

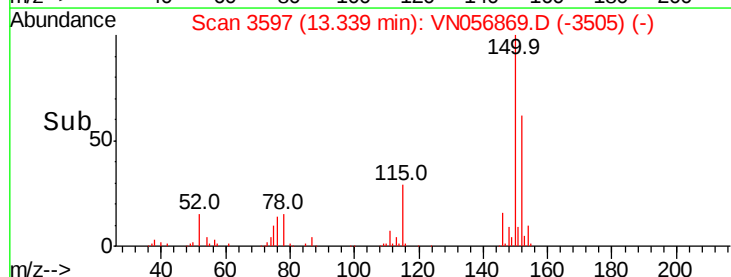
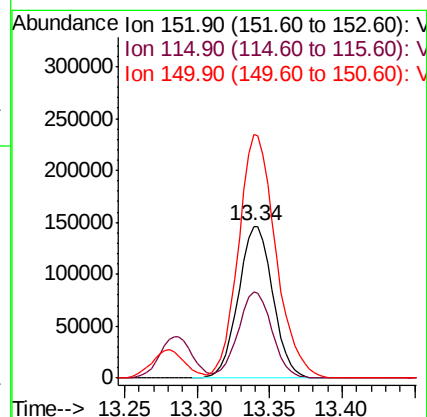
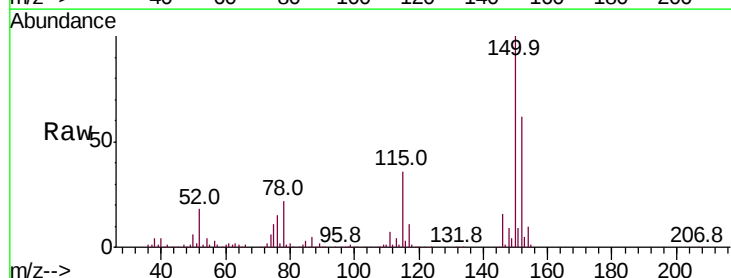
Manual Integrations
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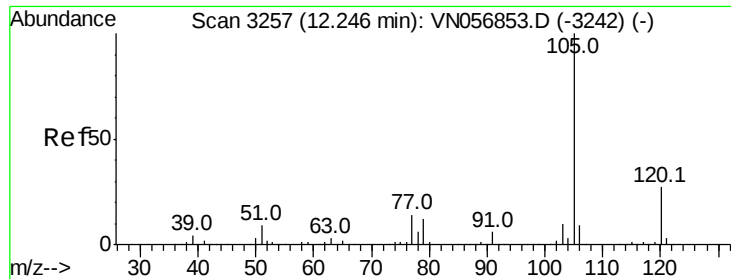
MMDadoda
7/24/2019 1:13:54 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.6	82.7
150	174.2	0.0	343.0





#73

Isopropylbenzene

Concen: 51.156 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 933800

Ion Ratio Lower Upper

105 100

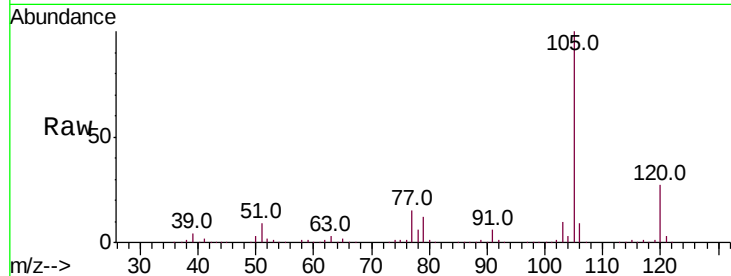
120 26.9 13.4 40.2

Manual Integrations

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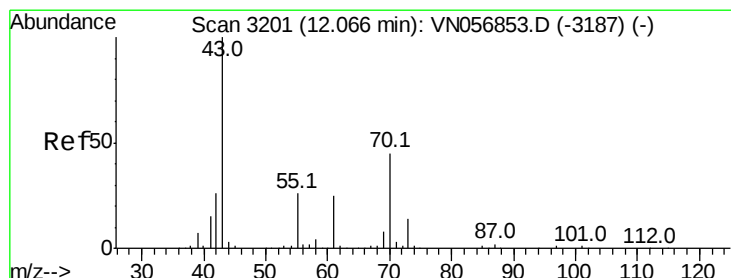
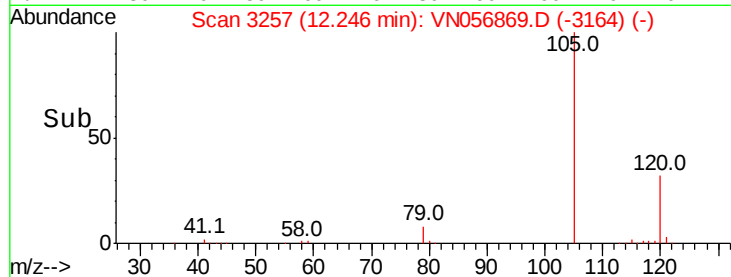
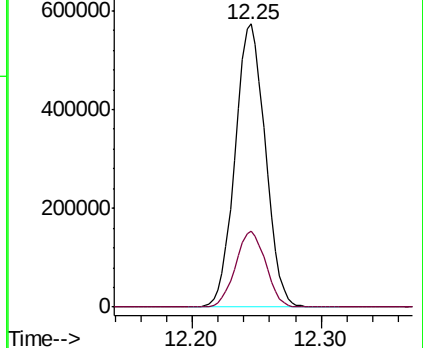
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.143 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion: 43 Resp: 326312

Ion Ratio Lower Upper

43 100

70 44.9 35.3 52.9

55 26.1 20.6 31.0

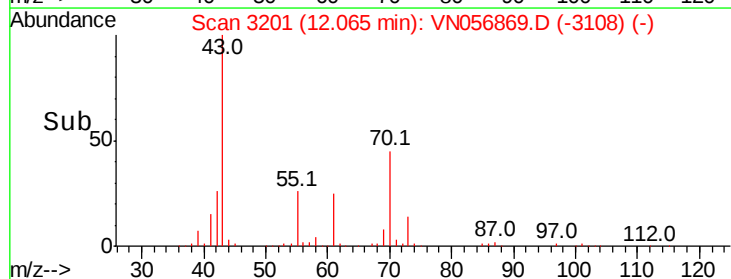
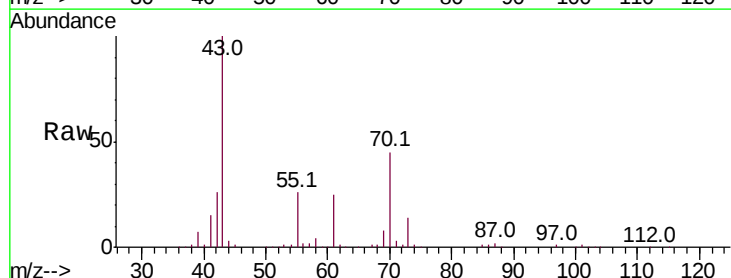
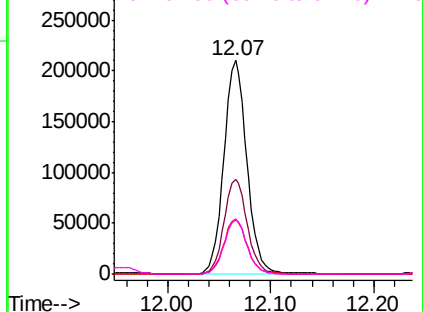
61 25.3 20.2 30.2

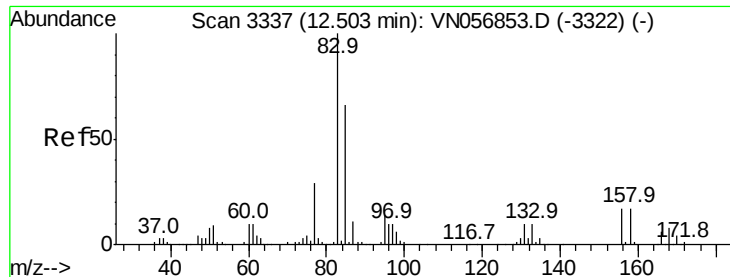
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.156 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 261971
Ion Ratio Lower Upper

83 100

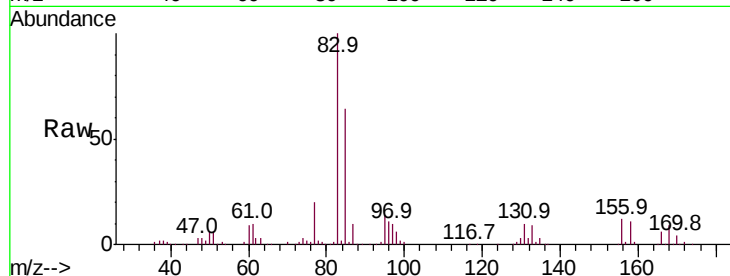
131 10.2 5.1 15.4

85 64.3 32.8 98.3

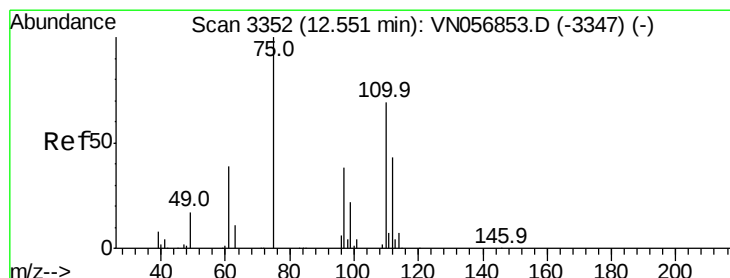
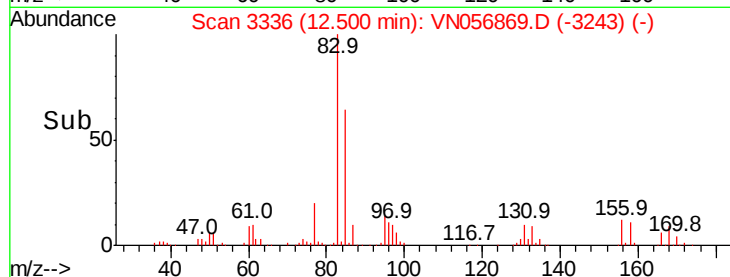
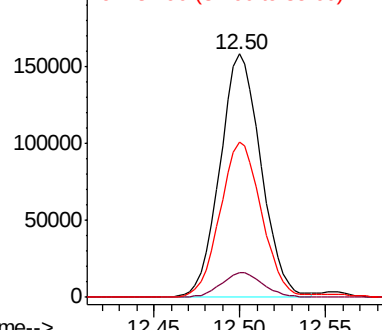
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 47.155 ug/l m

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

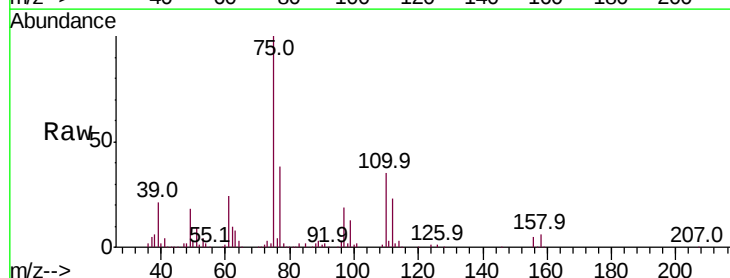
Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

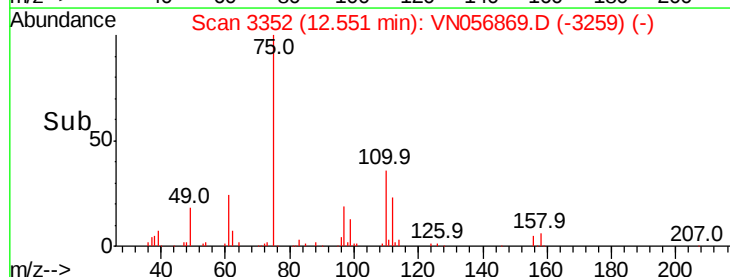
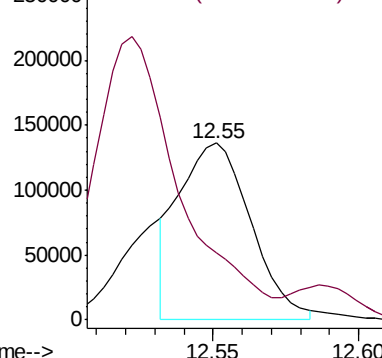
Tgt Ion: 75 Resp: 235372
Ion Ratio Lower Upper

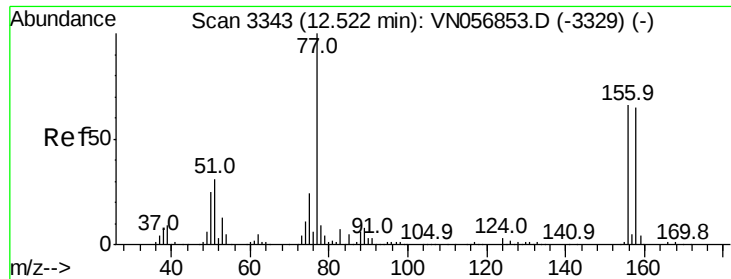
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 46.612 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

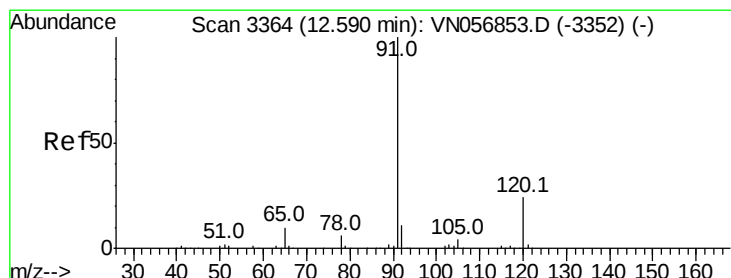
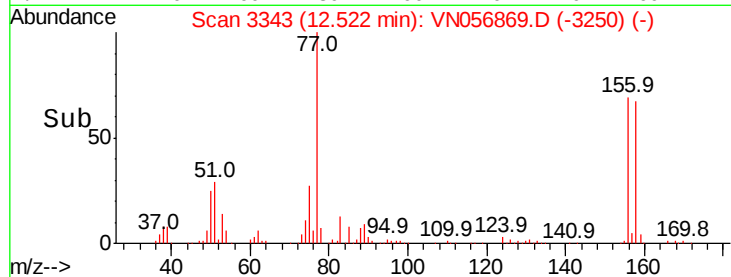
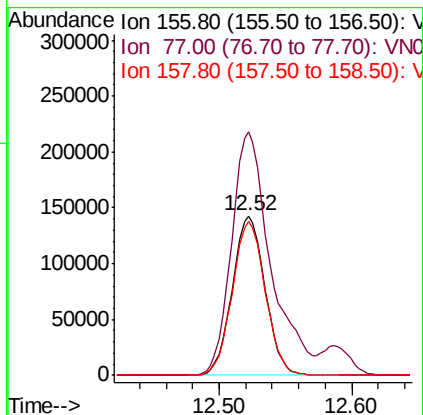
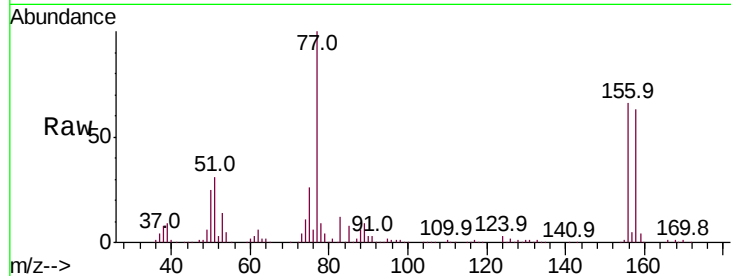
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	244879
Ion Ratio	Lower	Upper	
156	100		
77	183.8	90.7	272.1
158	97.2	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 49.416 ug/l

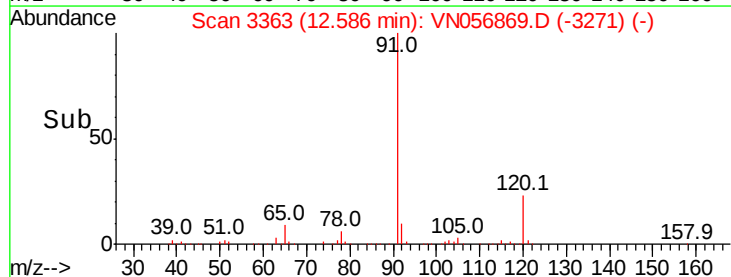
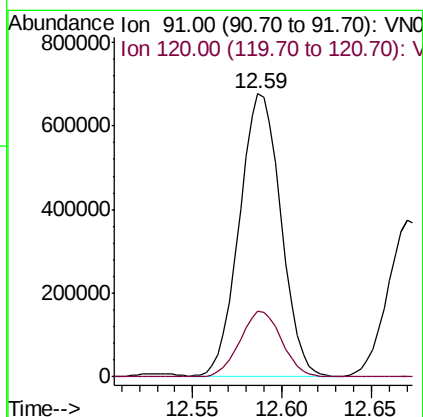
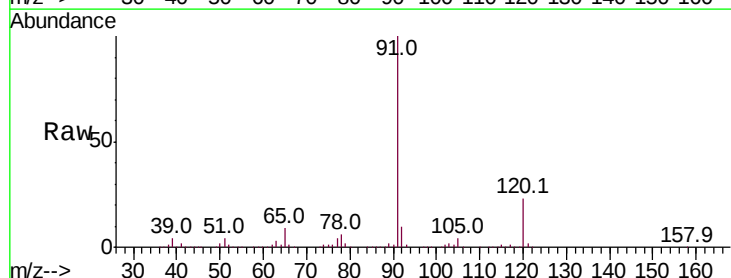
RT: 12.59 min Scan# 3363

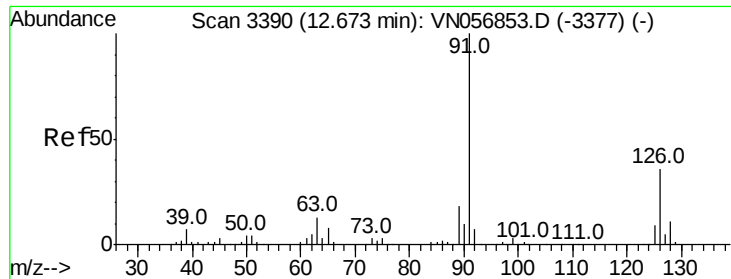
Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion:	91	Resp:	1093993
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.8	35.4





#79

2-Chlorotoluene

Concen: 50.718 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 616846

Ion Ratio Lower Upper

91 100

126 35.8

17.8

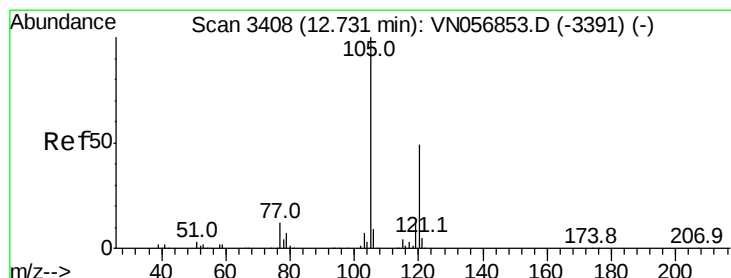
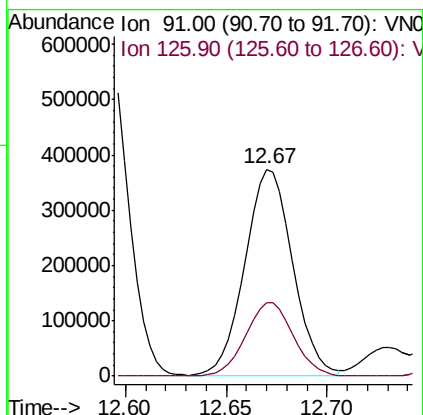
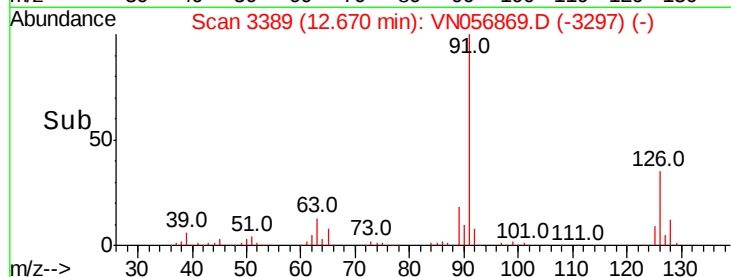
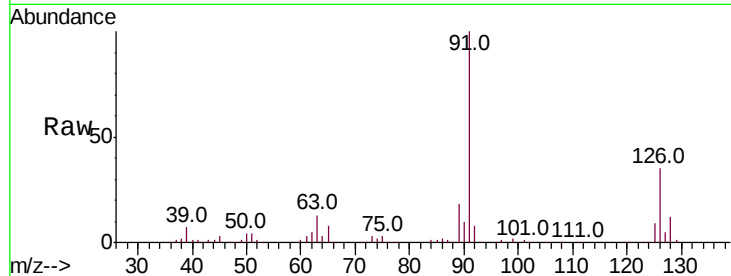
53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.881 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion: 105 Resp: 814321

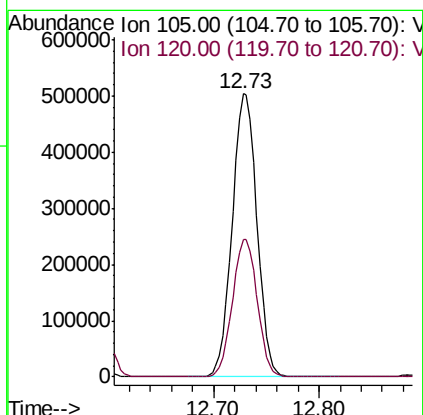
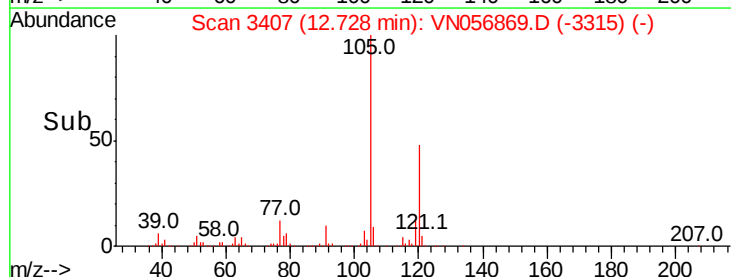
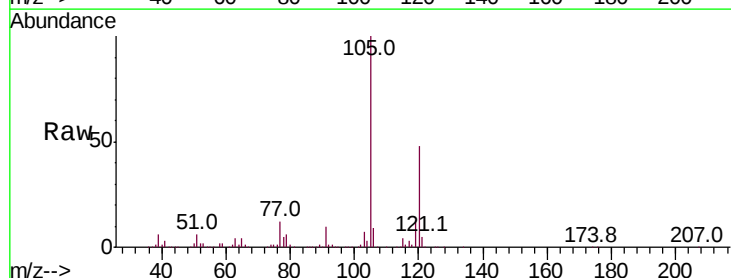
Ion Ratio Lower Upper

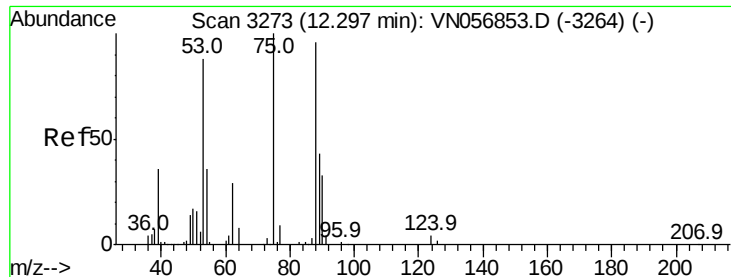
105 100

120 48.9

24.7

74.1





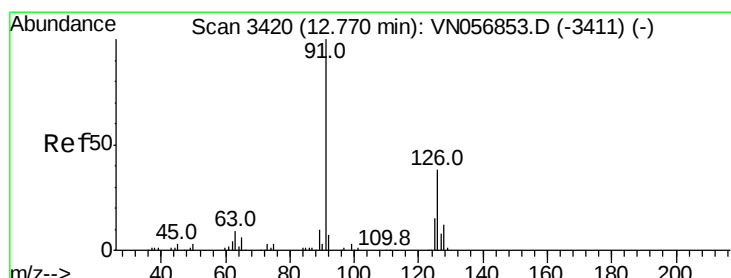
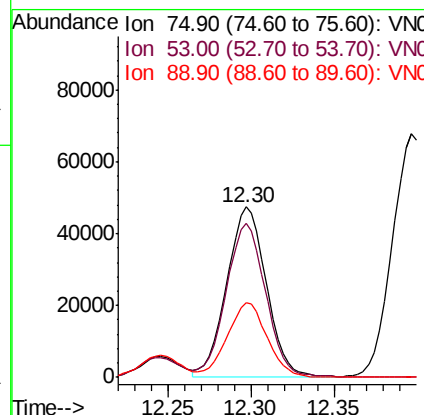
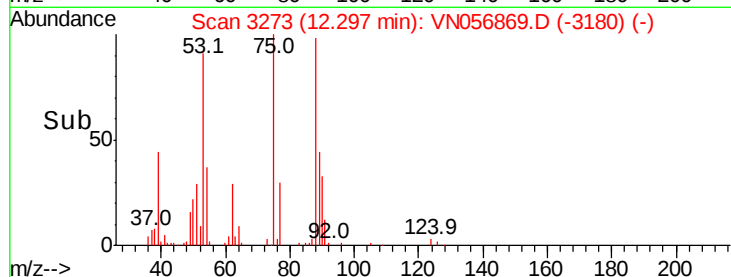
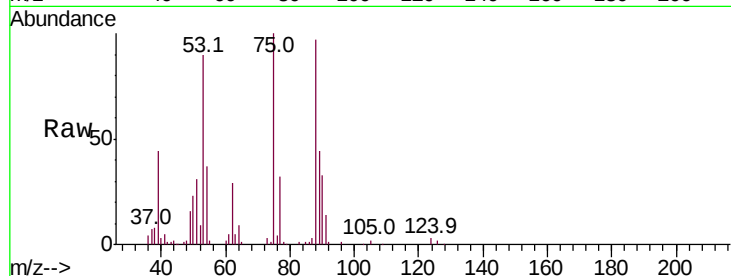
#81
trans-1,4-Dichloro-2-butene
Concen: 50.839 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	72.3	108.5
89	43.9	36.2	54.4

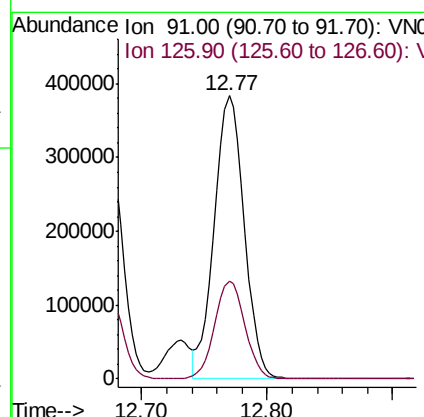
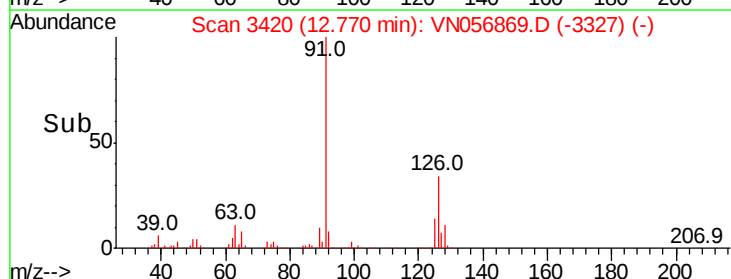
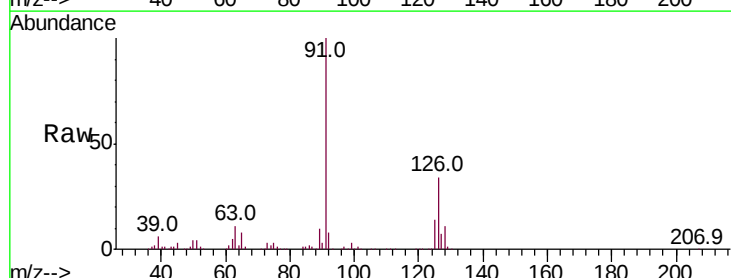
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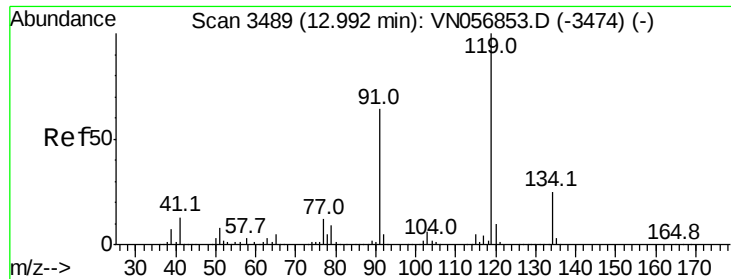
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#82
4-Chlorotoluene
Concen: 48.284 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	17.3	52.0





#83

tert-Butylbenzene

Concen: 52.456 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Instrument :

MSVOA_N

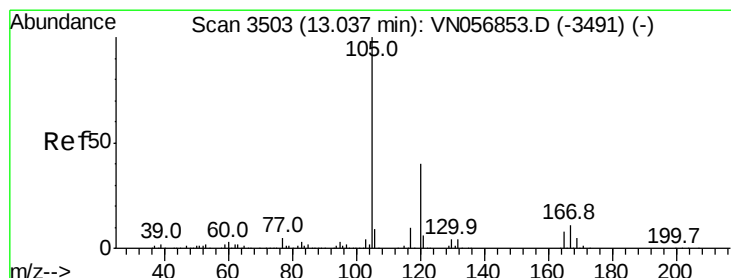
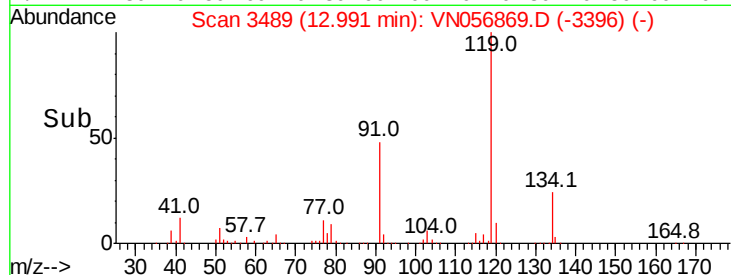
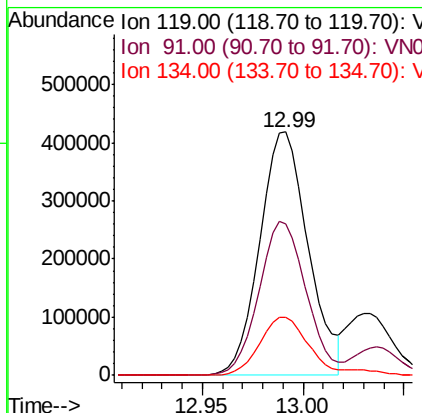
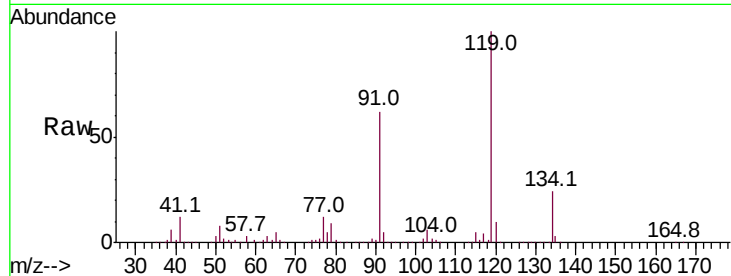
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	700597
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.5	94.5
134	25.5	12.2	36.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.537 ug/l

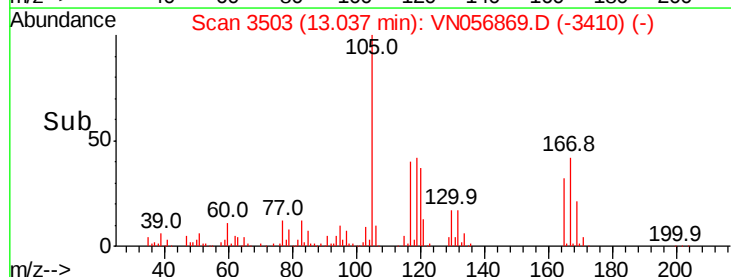
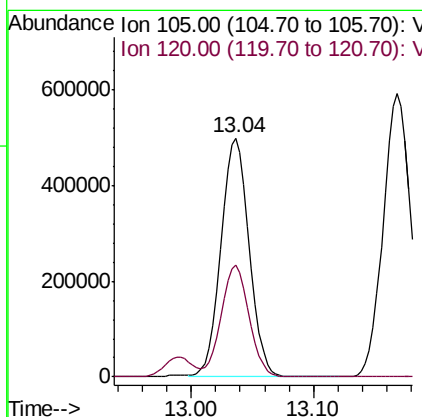
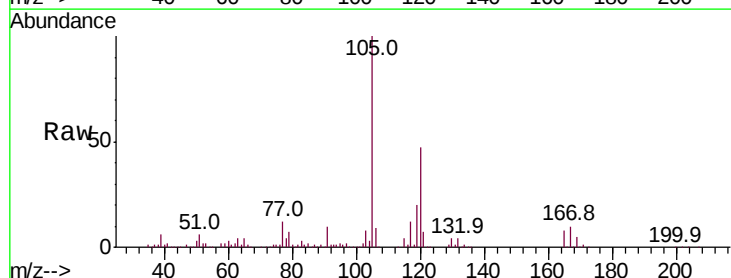
RT: 13.04 min Scan# 3503

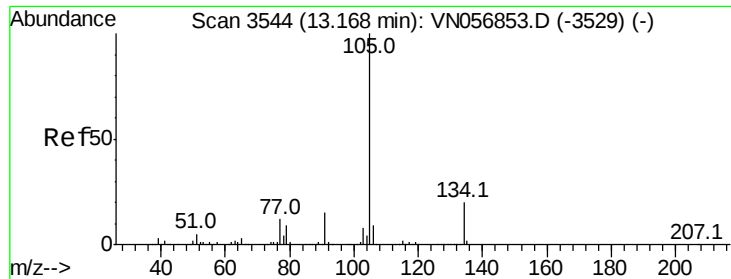
Delta R.T. -0.00 min

Lab File: VN056869.D

Acq: 23 Jul 2019 9:11

Tgt Ion:	105	Resp:	809895
Ion Ratio	Lower	Upper	
105	100		
120	46.5	23.2	69.5





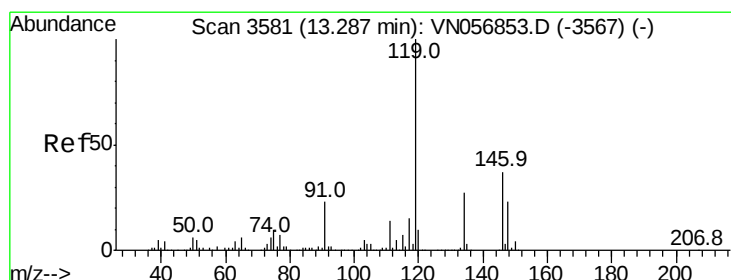
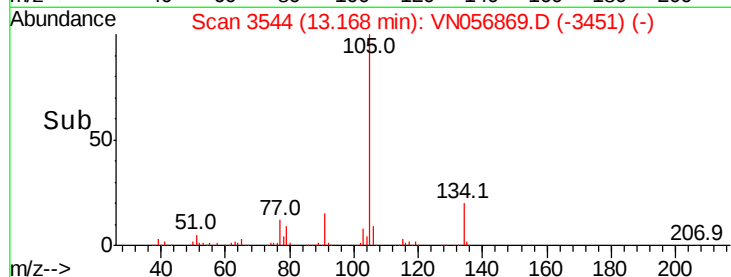
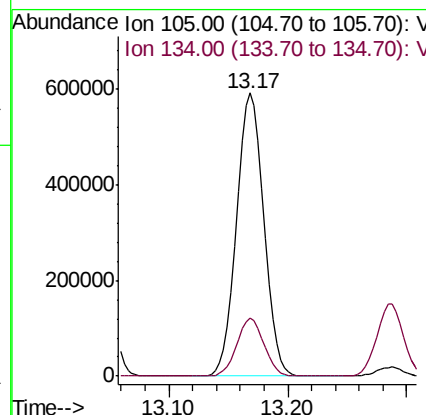
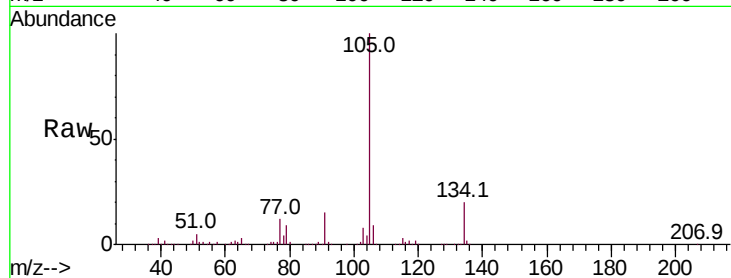
#85
 sec-Butylbenzene
 Concen: 47.941 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.1

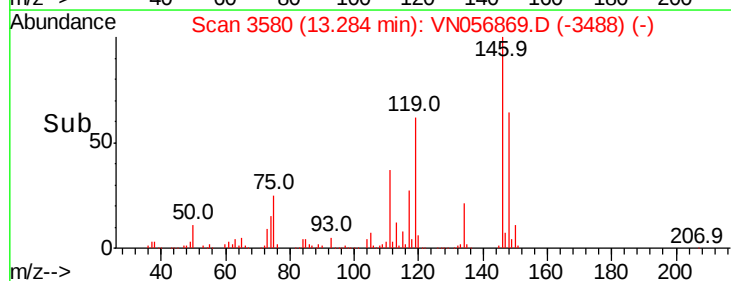
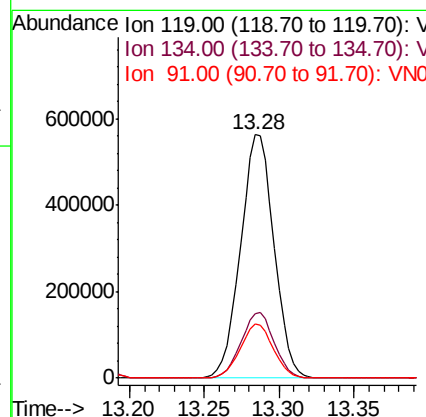
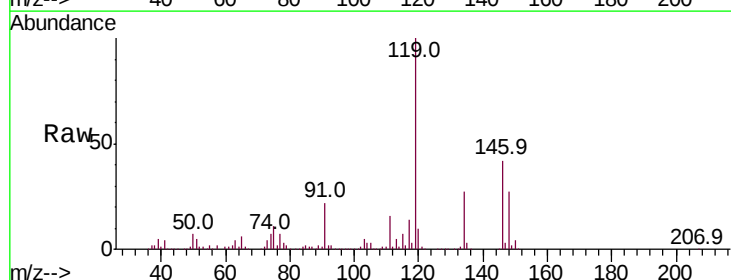
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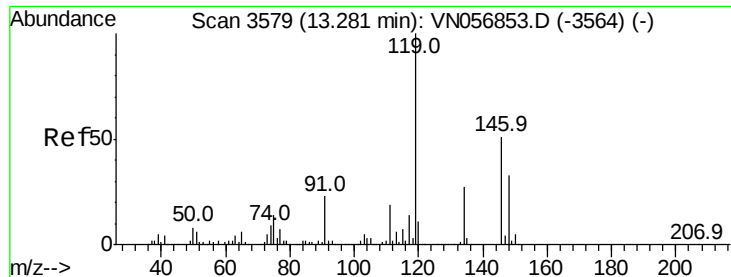
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#86
 p-Isopropyltoluene
 Concen: 50.027 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.6	40.8
91	21.9	11.3	33.8





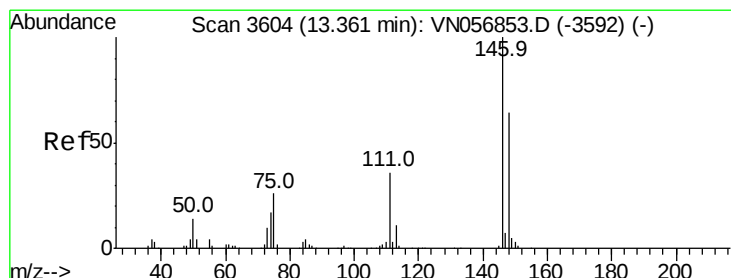
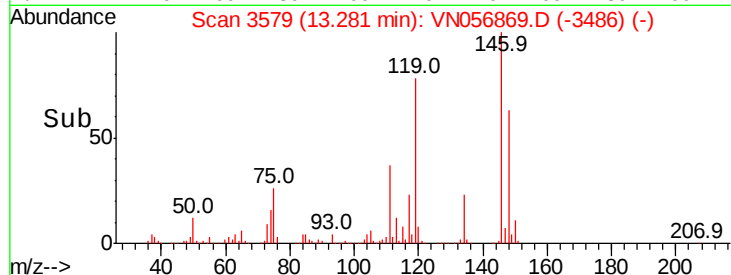
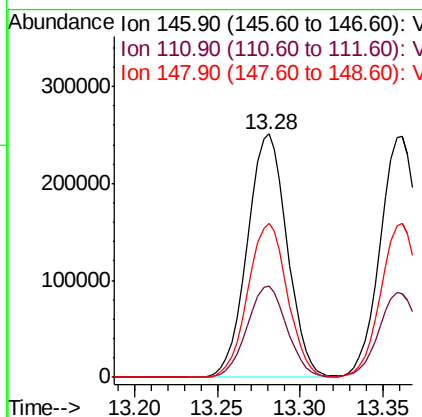
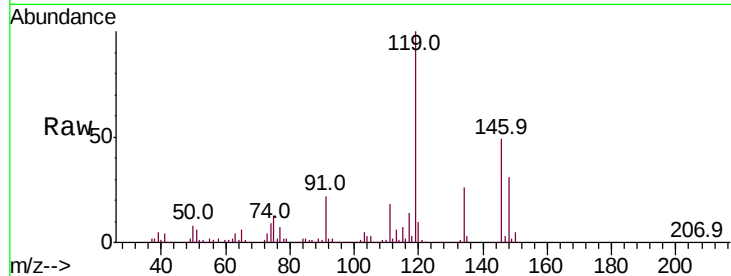
#87
 1,3-Dichlorobenzene
 Concen: 49.690 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.9	56.5
148	63.1	32.1	96.3

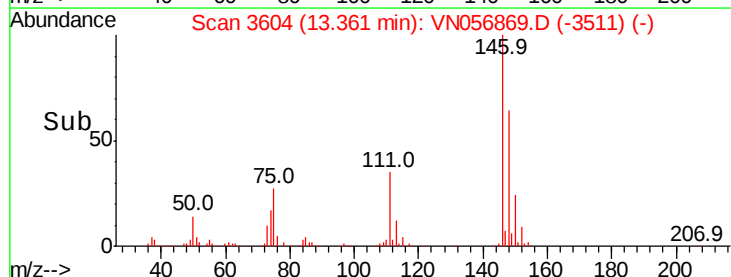
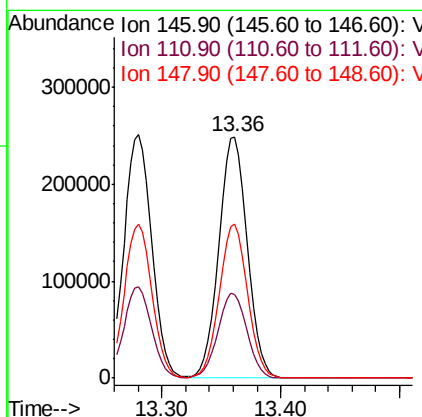
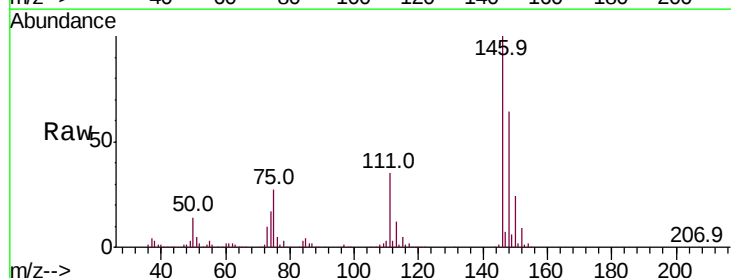
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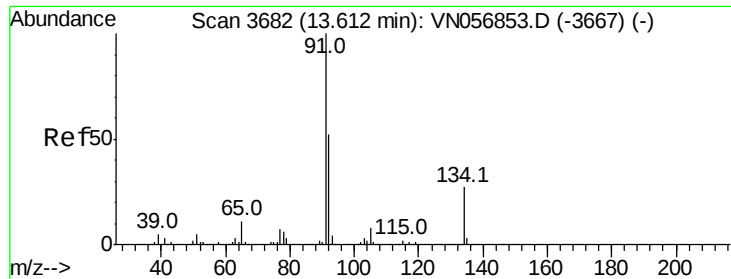
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 7/24/2019 1:13:54 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.501 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.3	54.9
148	63.4	32.1	96.3





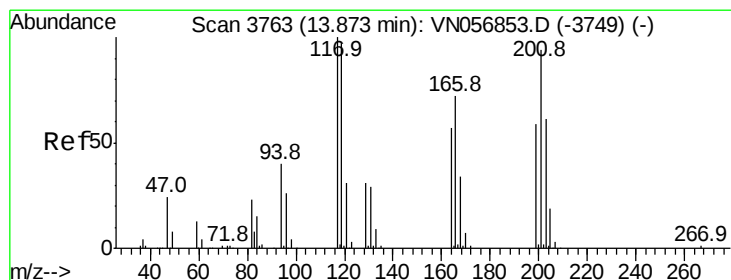
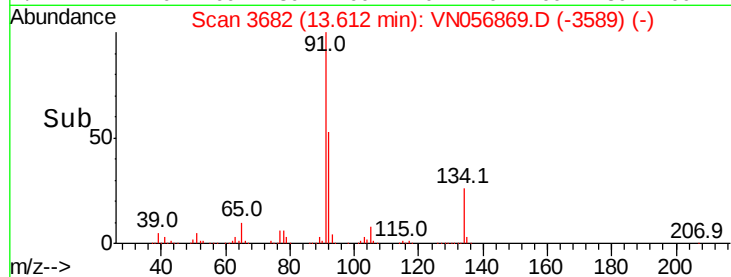
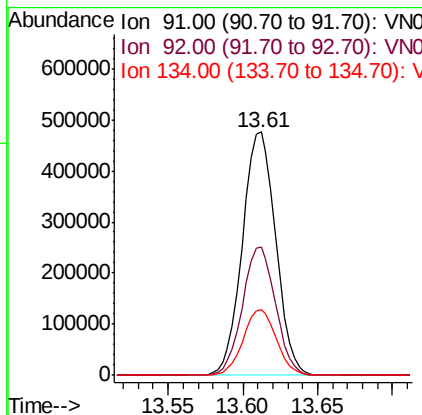
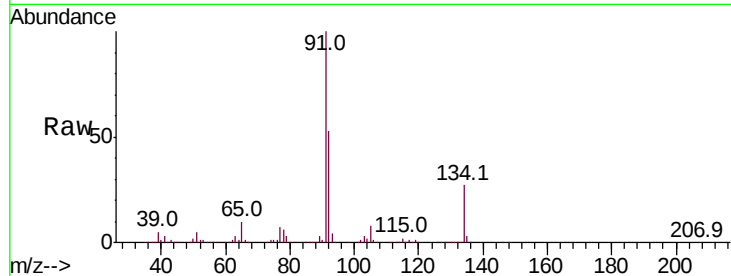
#89
n-Butylbenzene
Concen: 55.092 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.7	13.3	39.9

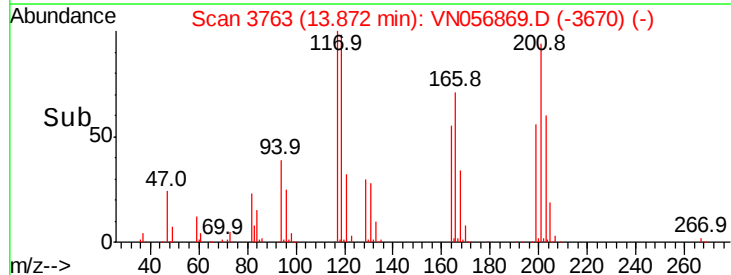
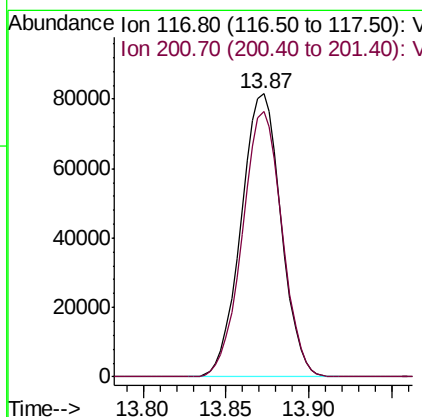
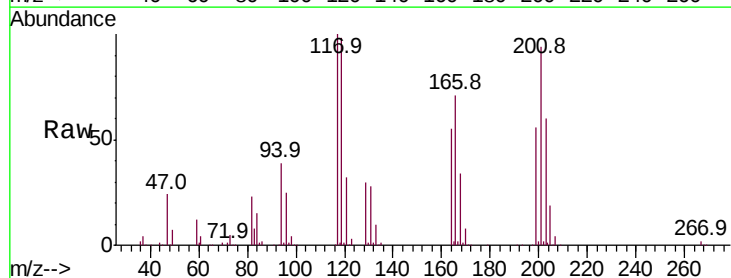
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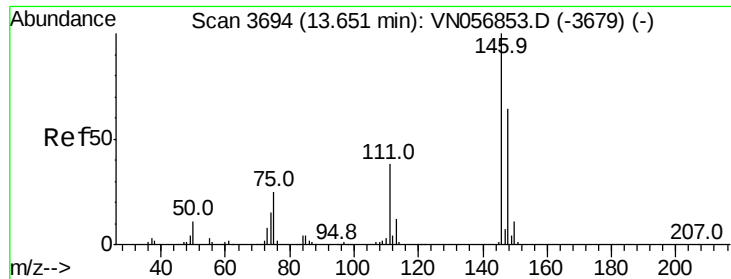
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#90
Hexachloroethane
Concen: 44.912 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.9	47.1	141.3





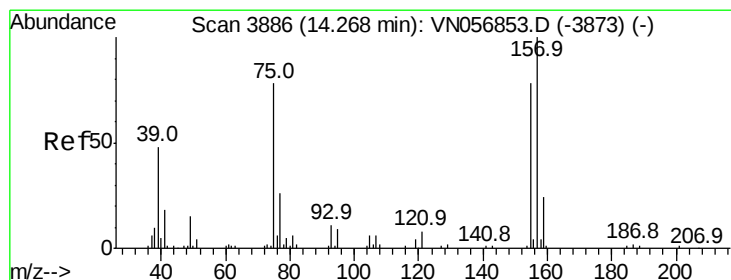
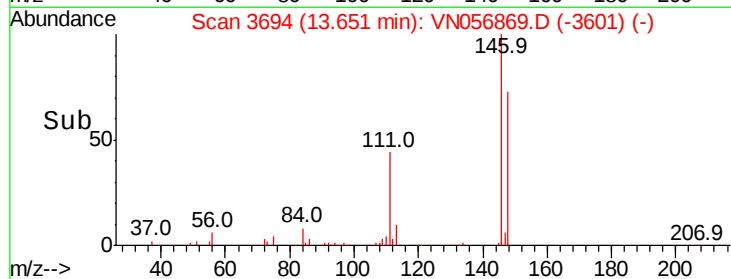
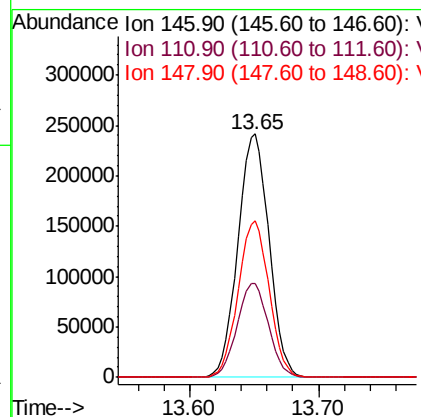
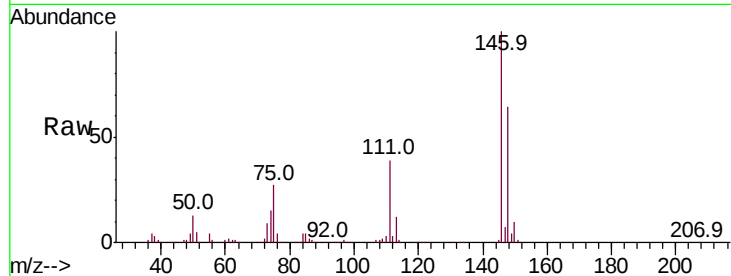
#91
 1,2-Dichlorobenzene
 Concen: 47.853 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.1	57.5
148	63.9	32.1	96.5

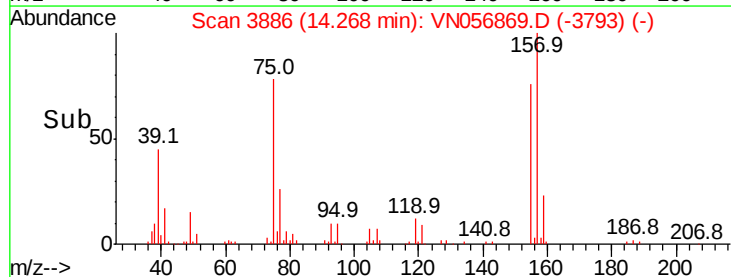
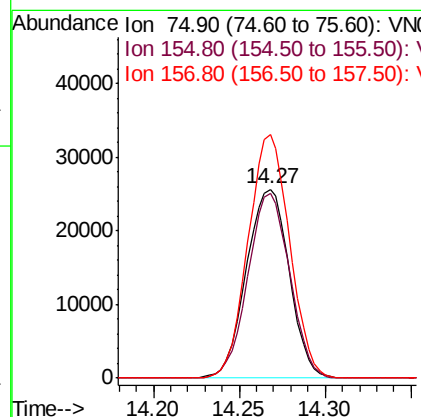
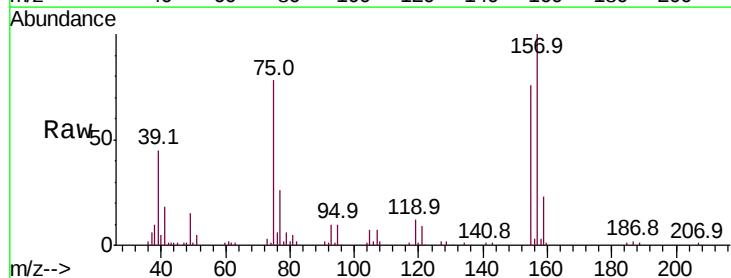
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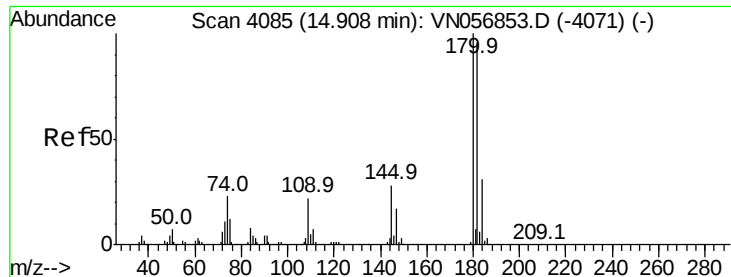
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.113 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	49.9	149.6
157	124.9	64.8	194.4





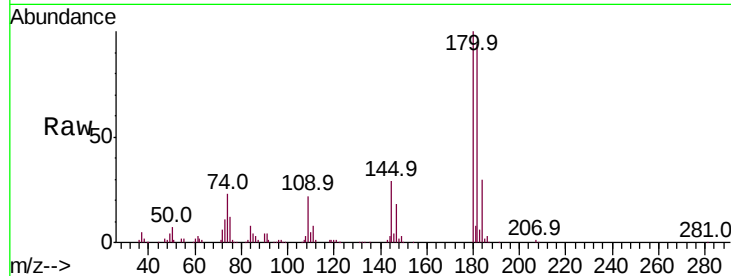
#93
 1,2,4-Trichlorobenzene
 Concen: 50.274 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

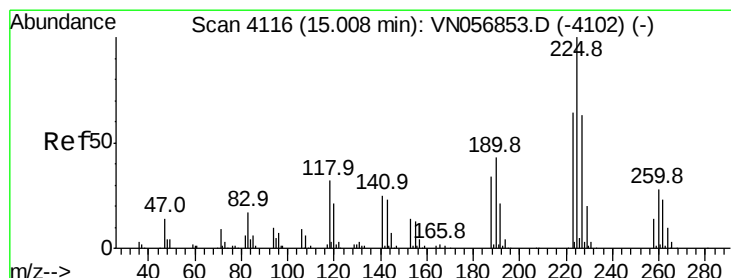
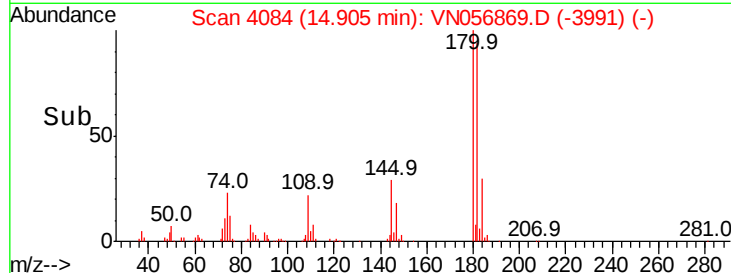
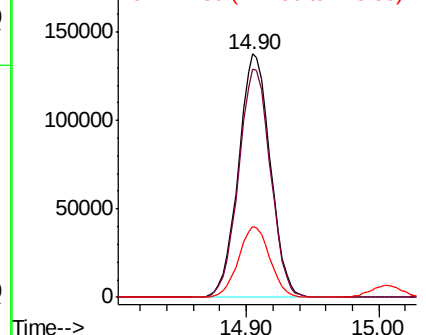
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	47.9	143.7	
145	28.5	14.1	42.3	

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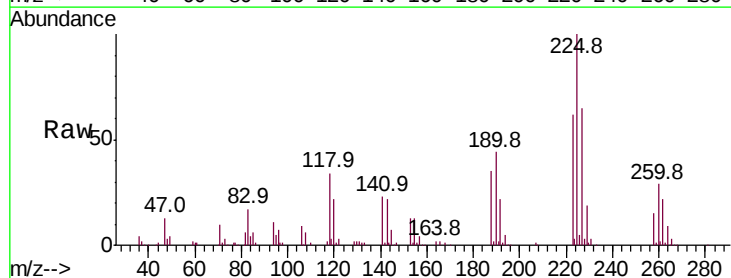


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

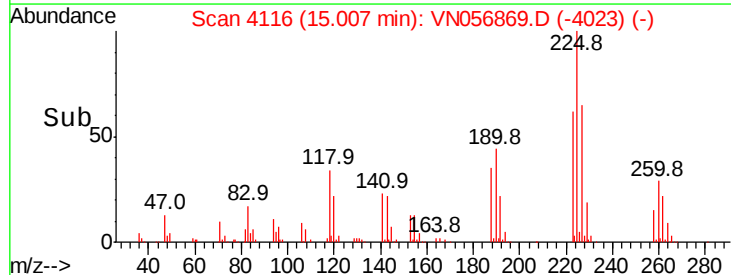
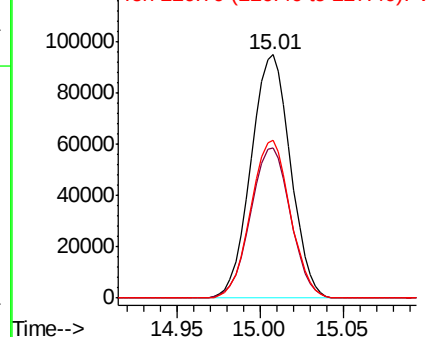


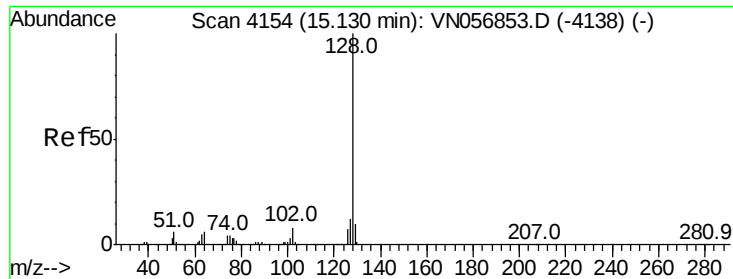
#94
 Hexachlorobutadiene
 Concen: 56.038 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056869.D
 Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.9	95.5	
227	64.8	31.7	95.1	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





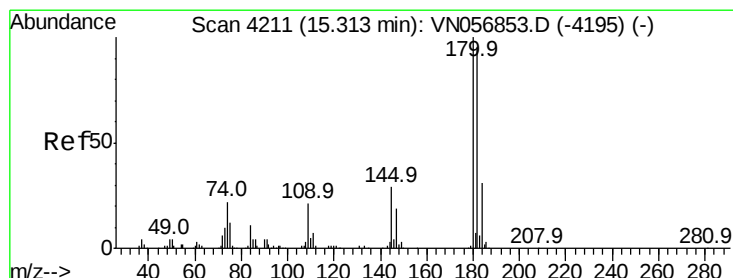
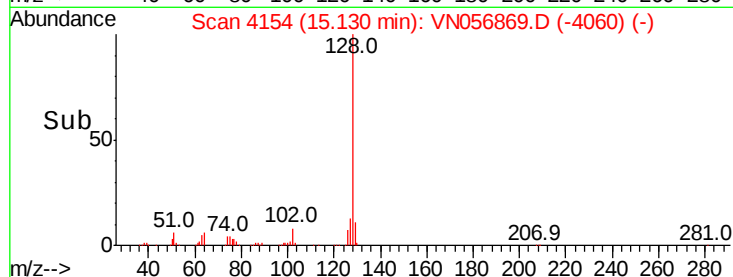
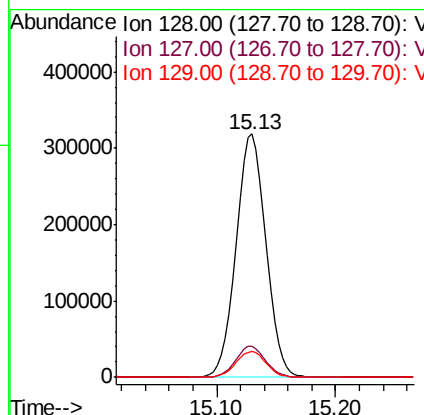
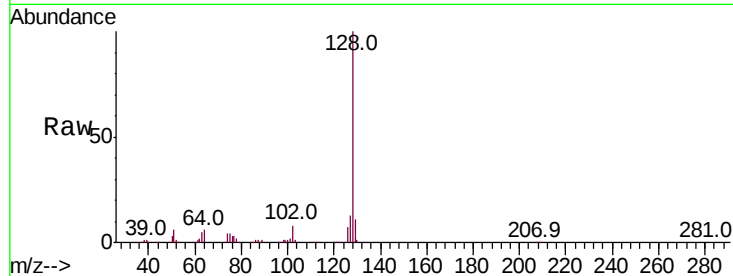
#95
Naphthalene
Concen: 47.463 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 50.324 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056869.D
Acq: 23 Jul 2019 9:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.1	144.3
145	30.5	14.7	44.1

