

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060819\
 Data File : VN056129.D
 Acq On : 8 Jun 2019 4:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/10/2019 11:25:23 AM

Quant Time: Jun 08 07:28:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	286469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	418353	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	381225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172431	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	147144	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	7.59	113	133953	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
50) Toluene-d8	10.09	98	502886	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	174694	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	150272	47.765	ug/l	100
3) Chloromethane	2.06	50	161860	52.123	ug/l	99
4) Vinyl Chloride	2.18	62	161077	51.711	ug/l	99
5) Bromomethane	2.53	94	96940	49.266	ug/l	99
6) Chloroethane	2.68	64	91137	50.463	ug/l	98
7) Trichlorofluoromethane	3.00	101	195001	49.037	ug/l	100
8) Diethyl Ether	3.40	74	79043	48.335	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	119527	49.482	ug/l	99
10) Methyl Iodide	3.94	142	185225	48.252	ug/l	99
11) Tert butyl alcohol	4.82	59	130554	263.753	ug/l	98
12) 1,1-Dichloroethene	3.72	96	120148	49.960	ug/l	98
13) Acrolein	3.60	56	39772	278.598	ug/l	98
14) Allyl chloride	4.31	41	184792	48.663	ug/l	98
15) Acrylonitrile	4.99	53	348811	289.485	ug/l	99
16) Acetone	3.82	43	279186	205.226	ug/l	100
17) Carbon Disulfide	4.04	76	252265	43.810	ug/l	100
18) Methyl Acetate	4.32	43	155433	58.262	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	398384	51.970	ug/l	100
20) Methylene Chloride	4.54	84	145302	51.843	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	130977	50.831	ug/l	97
22) Diisopropyl ether	5.95	45	413075	52.622	ug/l	99
23) Vinyl Acetate	5.90	43	1633934	264.316	ug/l	100
24) 1,1-Dichloroethane	5.84	63	236708	52.276	ug/l	100
25) 2-Butanone	6.84	43	451547	262.710	ug/l	100
26) 2,2-Dichloropropane	6.82	77	110212	31.192	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	153484	50.674	ug/l	95
28) Bromochloromethane	7.19	49	116059	54.200	ug/l	99
29) Tetrahydrofuran	7.22	42	298724	281.162	ug/l	99
30) Chloroform	7.37	83	238600	52.381	ug/l	99
31) Cyclohexane	7.65	56	208981	46.302	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	192957	50.728	ug/l	99
36) 1,1-Dichloropropene	7.79	75	173917	48.347	ug/l	99
37) Ethyl Acetate	6.93	43	181061	56.569	ug/l	99
38) Carbon Tetrachloride	7.77	117	160624	48.432	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	206780	46.144	ug/l	99
40) Benzene	8.04	78	560604	51.311	ug/l	100
41) Methacrylonitrile	7.17	41	87278	59.267	ug/l	98
42) 1,2-Dichloroethane	8.12	62	176543	50.234	ug/l	99
43) Isopropyl Acetate	8.17	43	274544	52.933	ug/l	93
44) Trichloroethene	8.83	130	158708	50.552	ug/l	99
45) 1,2-Dichloropropane	9.12	63	147604	52.743	ug/l	100
46) Dibromomethane	9.21	93	95847	52.375	ug/l	99
47) Bromodichloromethane	9.40	83	169964	51.244	ug/l	99
48) Methyl methacrylate	9.20	41	139052	54.800	ug/l	97
49) 1,4-Dioxane	9.20	88	61462	1121.974	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	899471	277.320	ug/l	99
52) Toluene	10.16	92	351998	51.775	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	166444	43.148	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	196800	49.363	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	142769	53.014	ug/l	99
56) Ethyl methacrylate	10.43	69	214022	54.474	ug/l	97
57) 1,3-Dichloropropane	10.71	76	231797	52.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	390083	250.393	ug/l	100
59) 2-Hexanone	10.75	43	632653	269.125	ug/l	99
60) Dibromochloromethane	10.90	129	137849	46.587	ug/l	100
61) 1,2-Dibromoethane	11.00	107	147438	53.553	ug/l	98
64) Tetrachloroethene	10.63	164	168415	51.036	ug/l	98
65) Chlorobenzene	11.43	112	377898	49.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	134468	51.329	ug/l	100
67) Ethyl Benzene	11.51	91	653459	49.531	ug/l	99
68) m/p-Xylenes	11.62	106	505224	100.247	ug/l	99
69) o-Xylene	11.95	106	250777	50.586	ug/l	99
70) Styrene	11.96	104	419377	53.243	ug/l	99
71) Bromoform	12.13	173	97798	44.769	ug/l #	100
73) Isopropylbenzene	12.25	105	649172	52.961	ug/l	100
74) N-amyl acetate	12.07	43	234504	51.019	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	199111	49.742	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	157087m	49.510	ug/l	
77) Bromobenzene	12.53	156	179176	48.535	ug/l	95
78) n-propylbenzene	12.59	91	697403	47.808	ug/l	100
79) 2-Chlorotoluene	12.67	91	432503	53.621	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	539726	46.554	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	39807	41.782	ug/l #	85
82) 4-Chlorotoluene	12.77	91	415298	48.662	ug/l	99
83) tert-Butylbenzene	12.99	119	485242	54.171	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	533859	48.558	ug/l	99
85) sec-Butylbenzene	13.17	105	610252	47.238	ug/l	100
86) p-Isopropyltoluene	13.29	119	550433	47.608	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286739	50.185	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272067	49.500	ug/l	100
89) n-Butylbenzene	13.61	91	408602	47.707	ug/l	99
90) Hexachloroethane	13.87	117	81682	46.847	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	284731	49.359	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30329	52.973	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	133524	42.686	ug/l	99
94) Hexachlorobutadiene	15.01	225	99374	50.236	ug/l	97
95) Naphthalene	15.13	128	358889	44.015	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	148613	46.123	ug/l	98

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

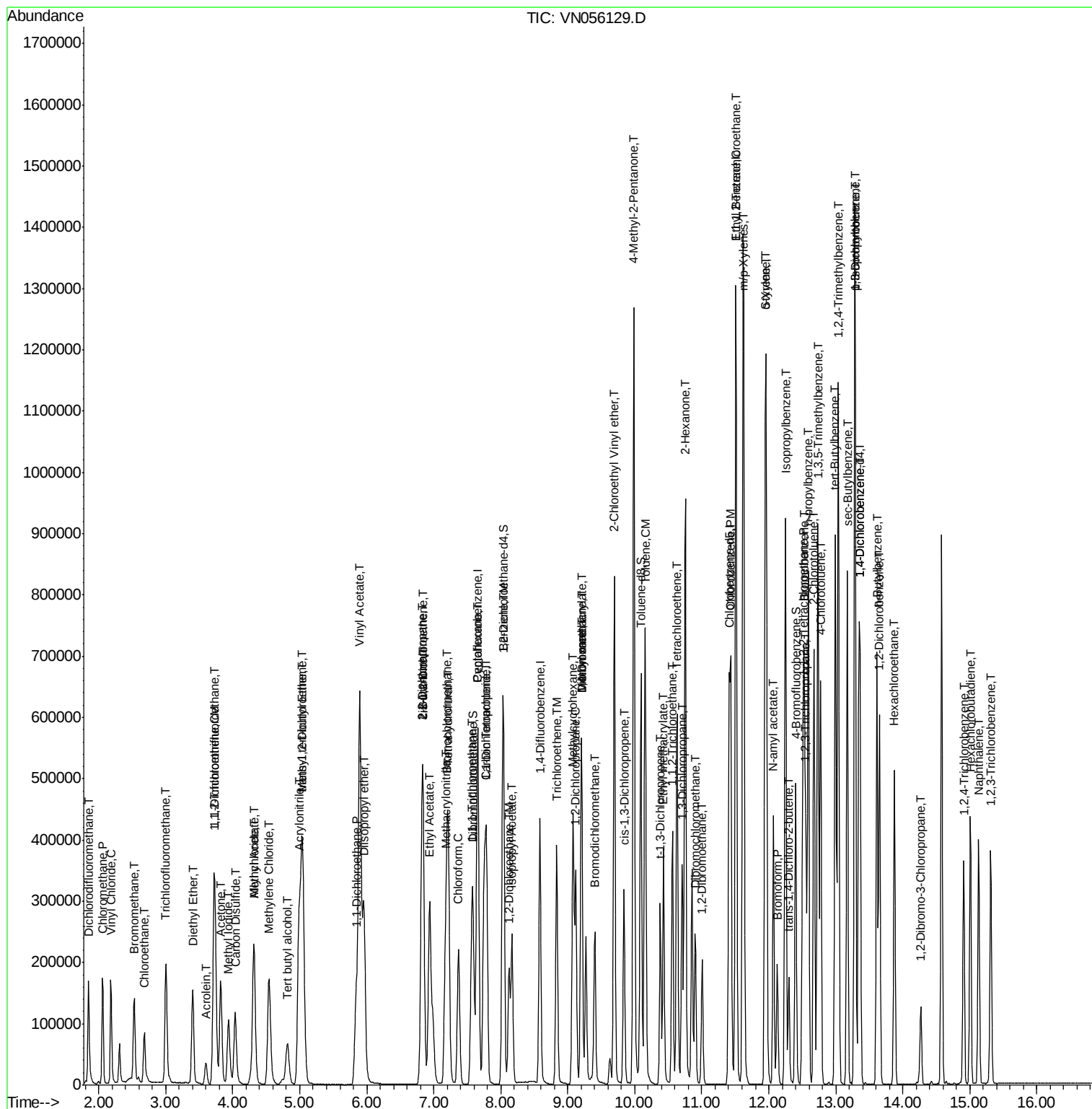
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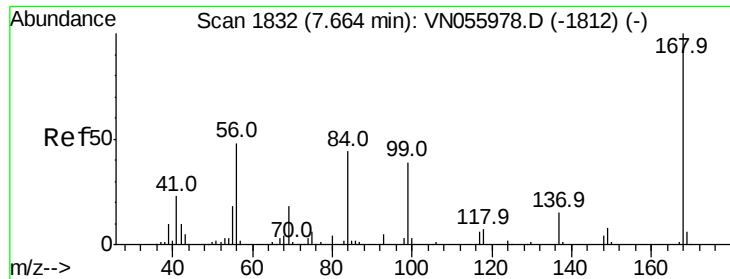
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 286469

Ion Ratio Lower Upper

168 100

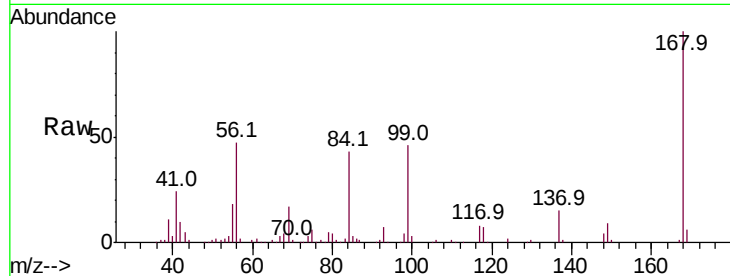
99 45.6 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

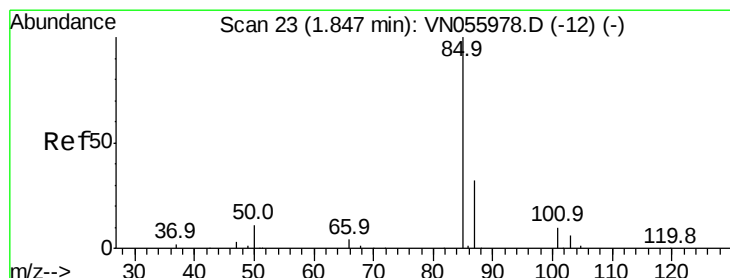
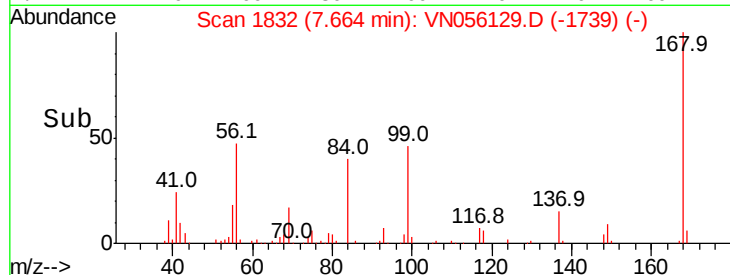
7.66

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 47.765 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056129.D

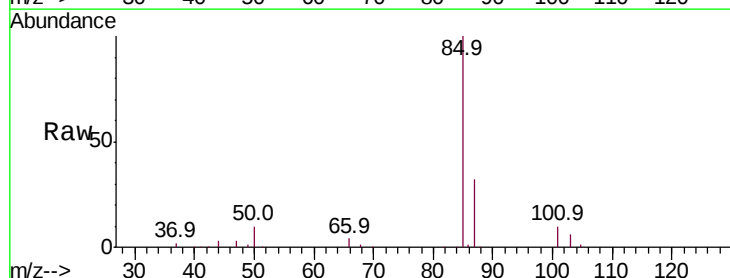
Acq: 8 Jun 2019 4:31

Tgt Ion: 85 Resp: 150272

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

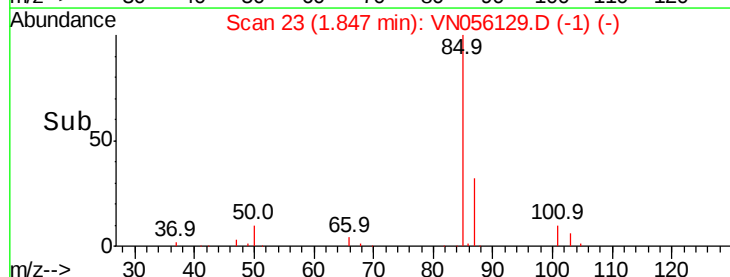
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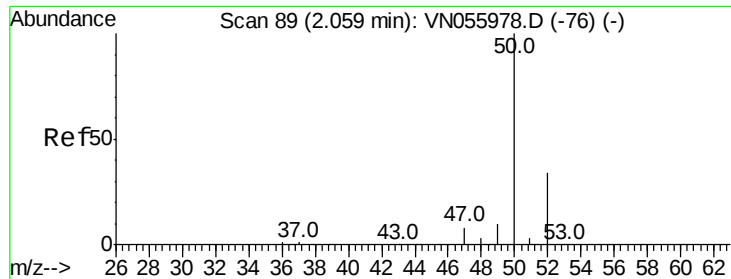
40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 52.123 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 161860

Ion Ratio Lower Upper

50 100

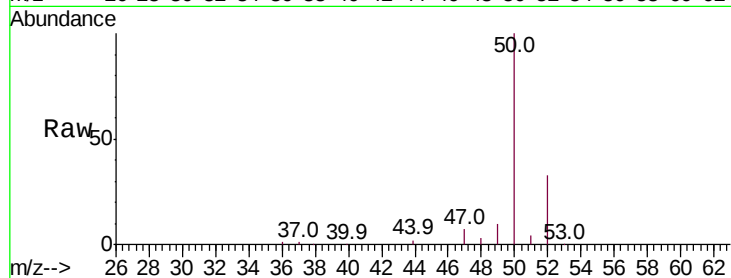
52 32.7 26.6 40.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

120000

100000

80000

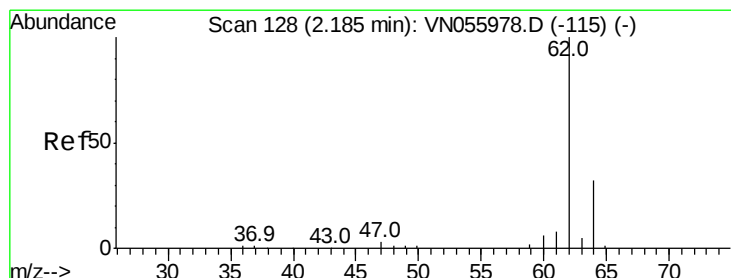
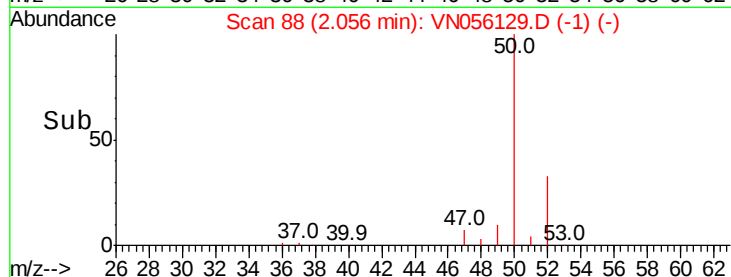
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 51.711 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056129.D

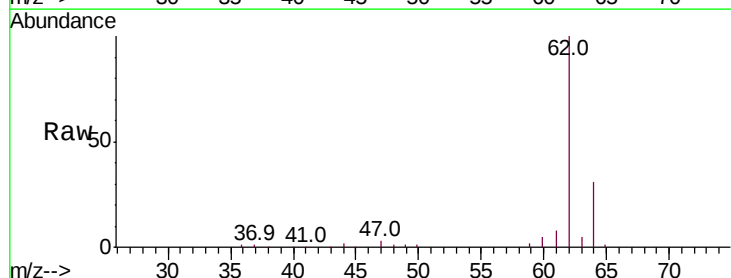
Acq: 8 Jun 2019 4:31

Tgt Ion: 62 Resp: 161077

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

120000

100000

80000

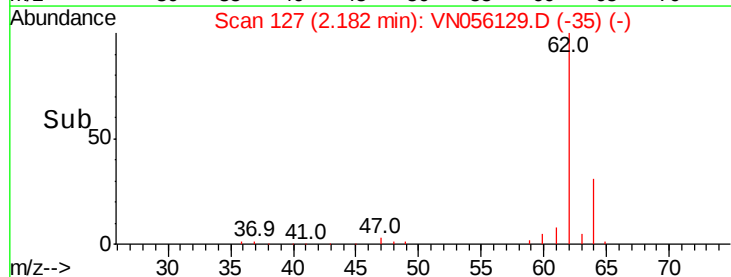
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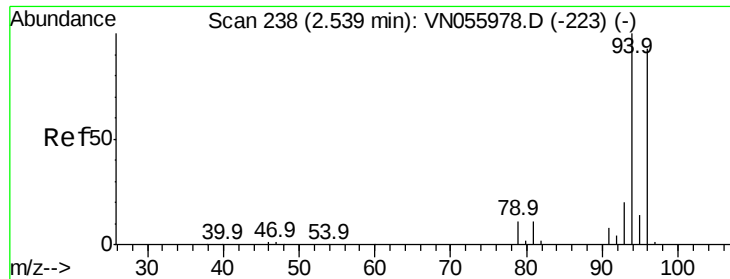
40000

20000

0

Time-->





#5

Bromomethane

Concen: 49.266 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 96940

Ion Ratio Lower Upper

94 100

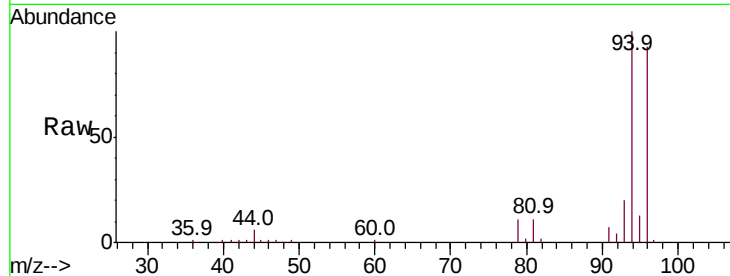
96 93.2 75.5 113.3

Manual Integrations

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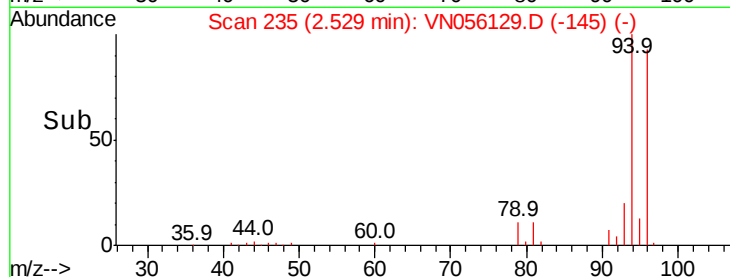


Abundance Ion 93.90 (93.60 to 94.60): VN055978.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN055978.D (-223) (-)

2.53

Time-->

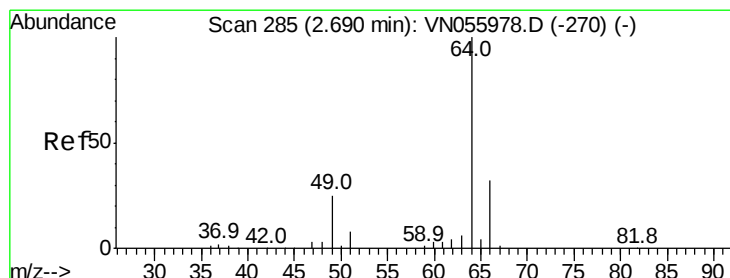


Abundance Ion 93.90 (93.60 to 94.60): VN056129.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN056129.D (-145) (-)

2.53

Time-->



#6

Chloroethane

Concen: 50.463 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN056129.D

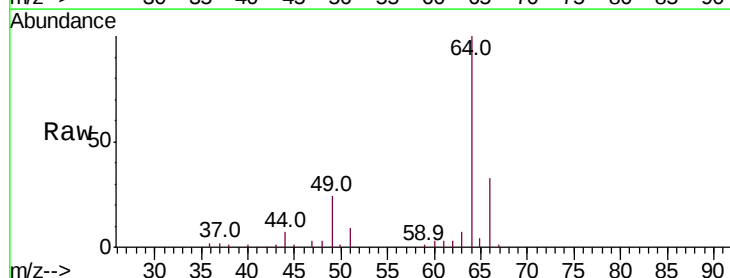
Acq: 8 Jun 2019 4:31

Tgt Ion: 64 Resp: 91137

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.0

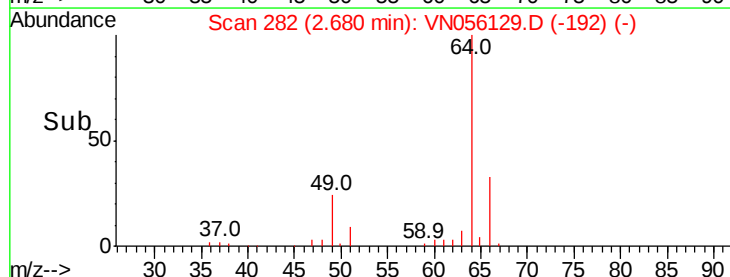


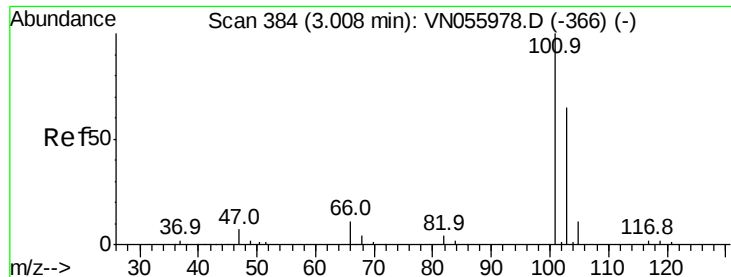
Abundance Ion 63.90 (63.60 to 64.60): VN055978.D (-270) (-)

Ion 65.90 (65.60 to 66.60): VN055978.D (-270) (-)

2.68

Time-->





#7

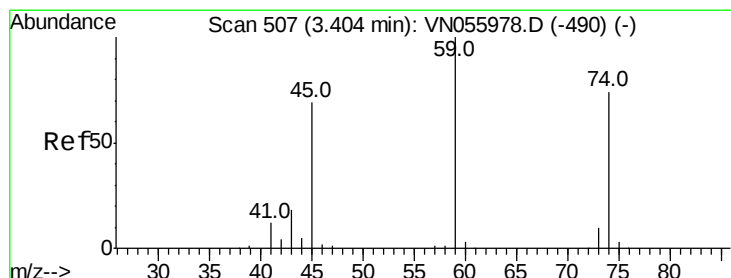
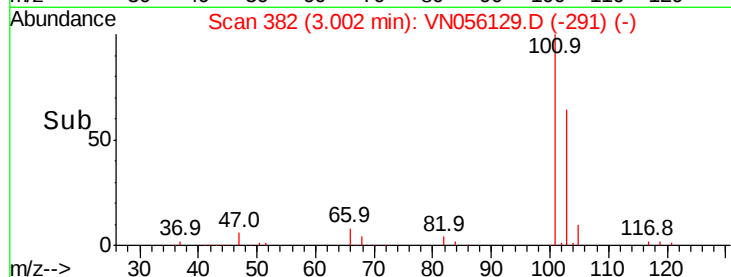
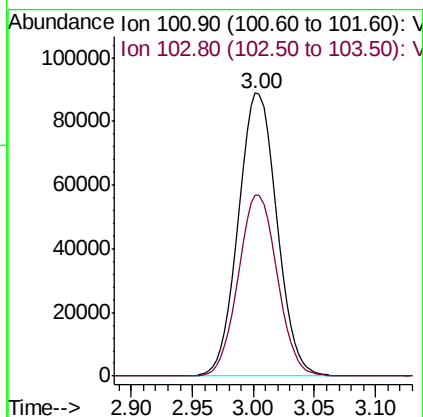
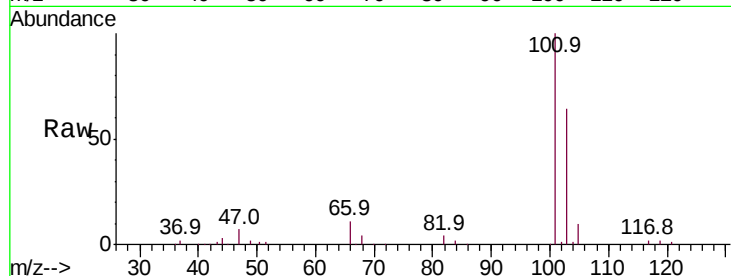
Trichlorofluoromethane
 Concen: 49.037 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

Manual Integrations
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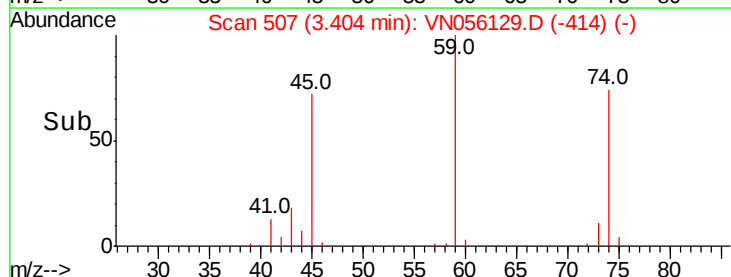
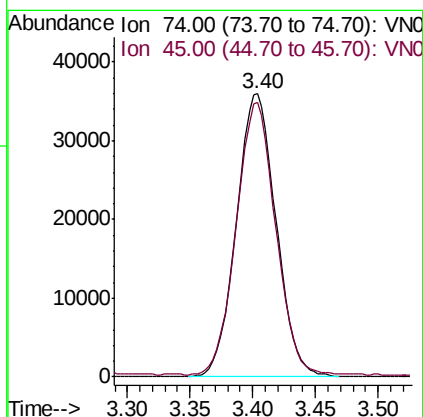
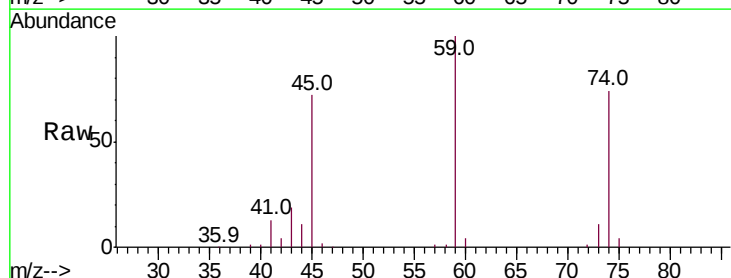
MMDadoda
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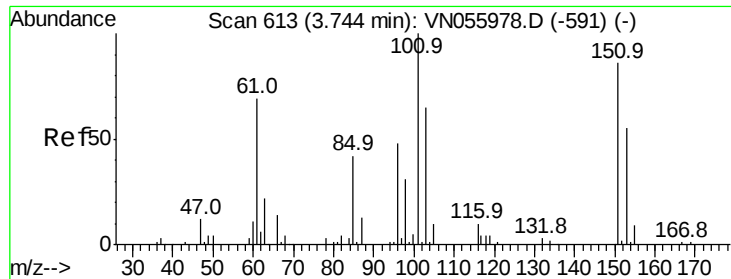


#8

Diethyl Ether
 Concen: 48.335 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.482 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.01 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

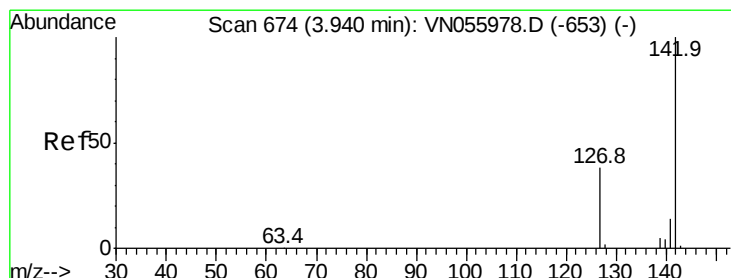
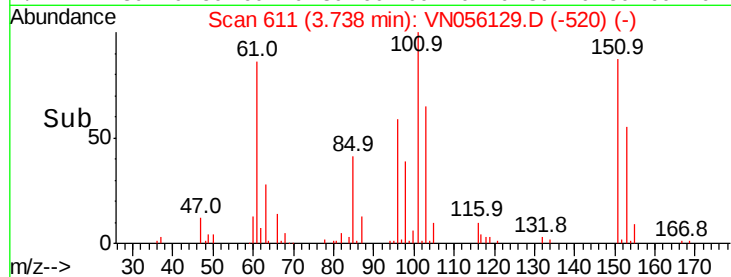
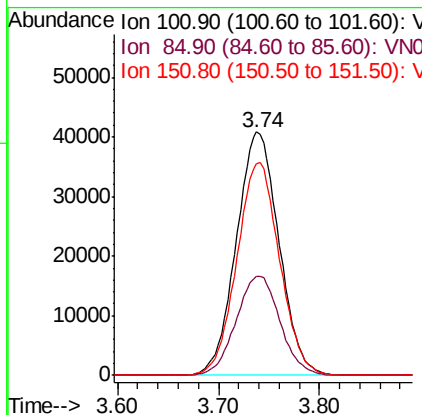
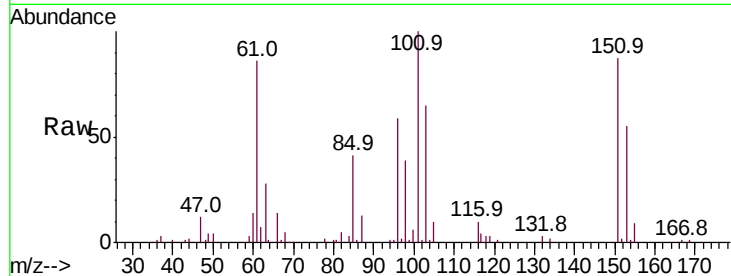
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	119527
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.2
151	87.7	69.4	104.2

Manual Integrations
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#10

Methyl Iodide

Concen: 48.252 ug/l

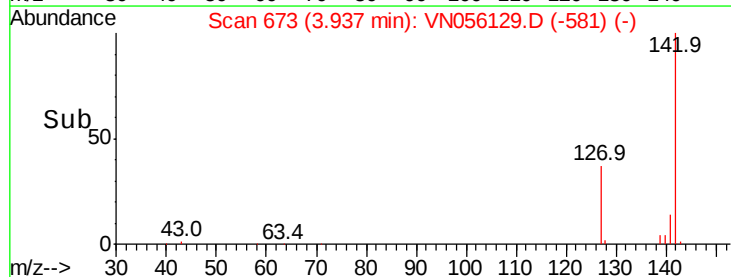
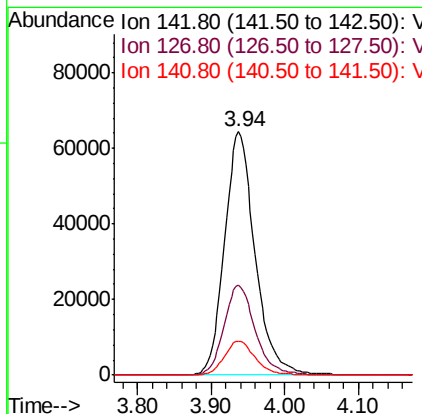
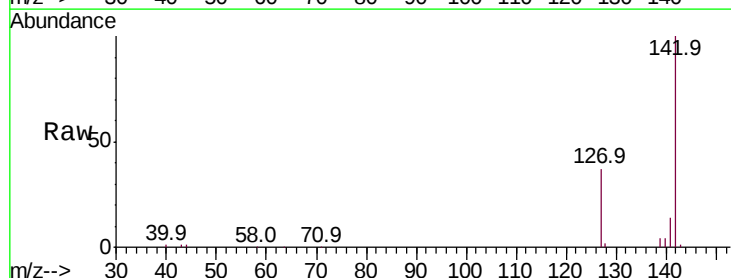
RT: 3.94 min Scan# 673

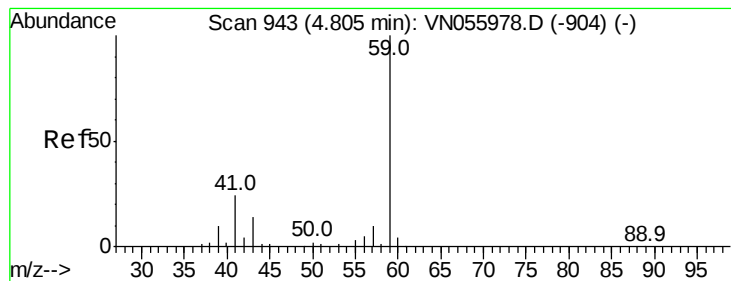
Delta R.T. -0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion:	142	Resp:	185225
Ion Ratio	Lower	Upper	
142	100		
127	37.7	31.0	46.4
141	14.1	11.4	17.0





#11

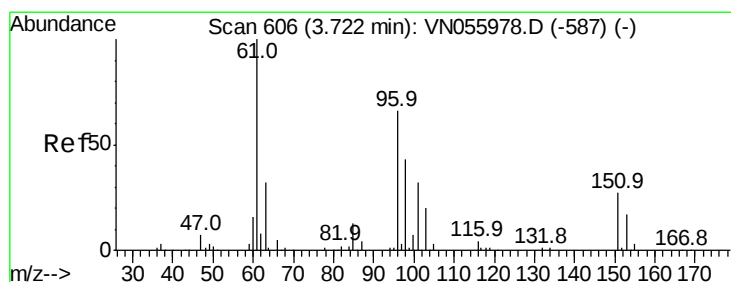
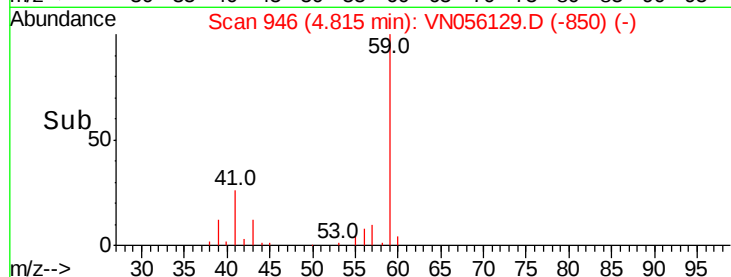
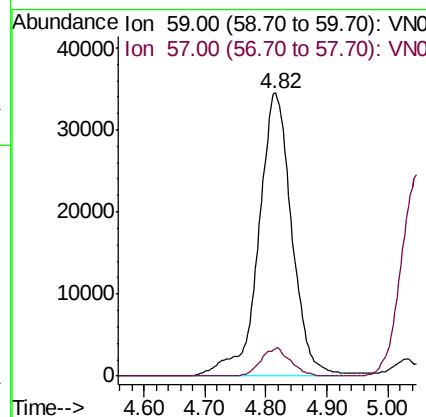
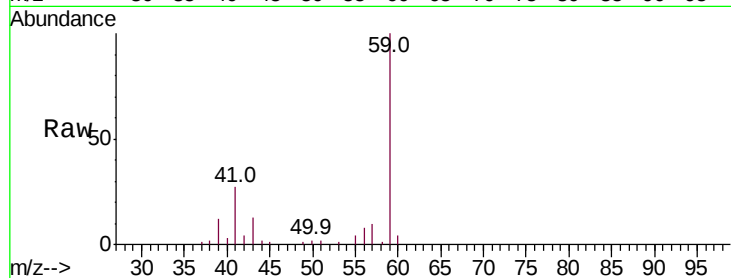
Tert butyl alcohol
Concen: 263.753 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.01 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	130554
Ion Ratio	100	Lower	Upper
57	8.8	7.8	11.6

Manual Integrations
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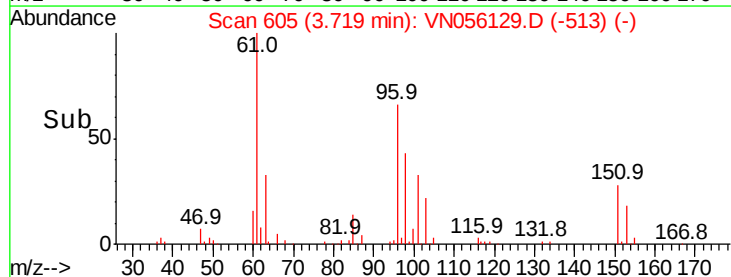
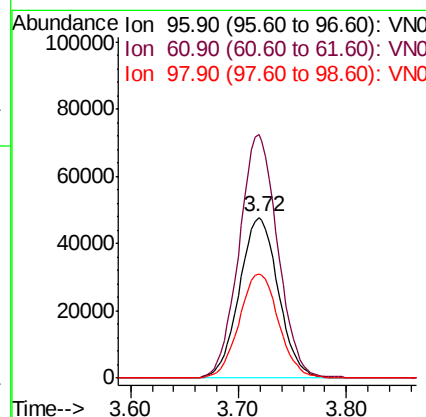
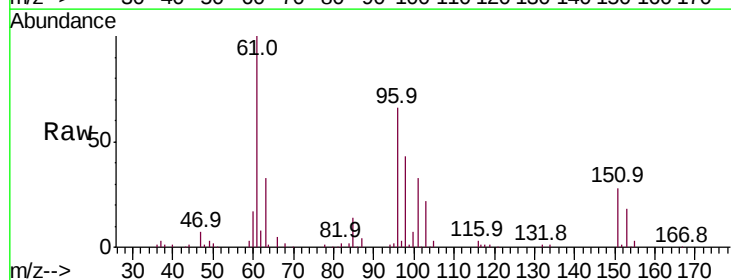
MMDadoda
6/10/2019 11:25:23 AM

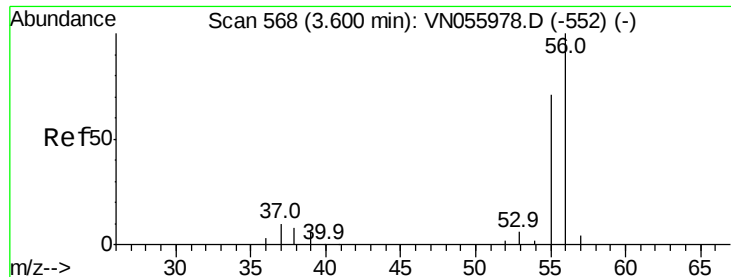


#12

1,1-Dichloroethene
Concen: 49.960 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	96	Resp	120148
Ion Ratio	100	Lower	Upper
61	151.5	123.2	184.8
98	64.9	50.4	75.6





#13

Acrolein

Concen: 278.598 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39772

Ion Ratio Lower Upper

56 100

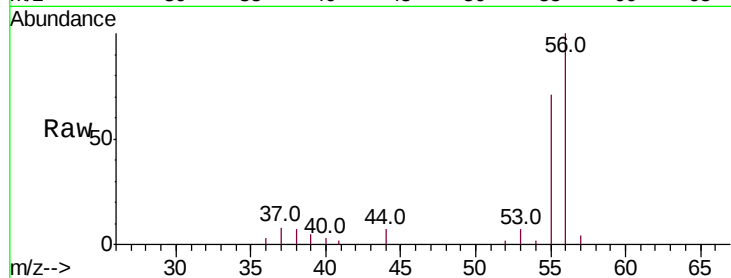
55 70.9 55.4 83.2

Manual Integrations

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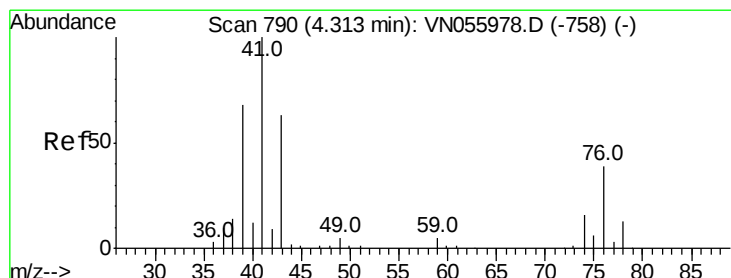
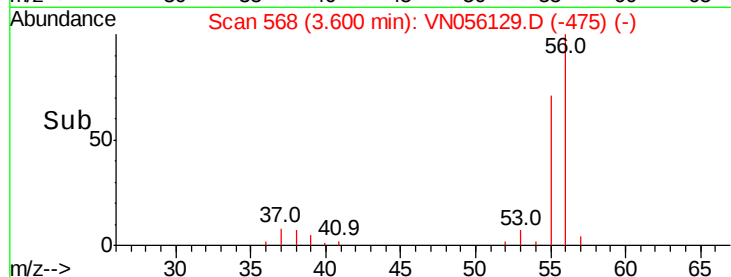
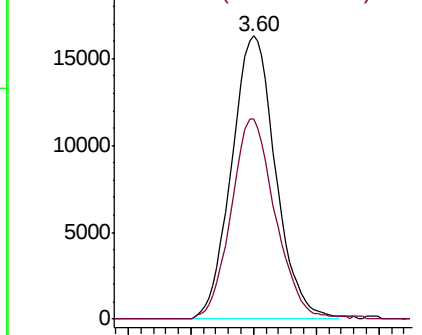
MMDadoda

6/10/2019 11:25:23 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.663 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

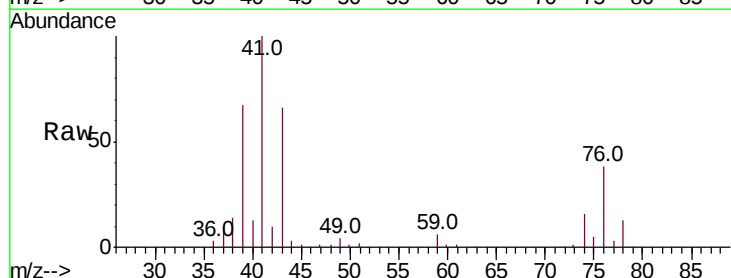
Tgt Ion: 41 Resp: 184792

Ion Ratio Lower Upper

41 100

39 61.5 50.0 75.0

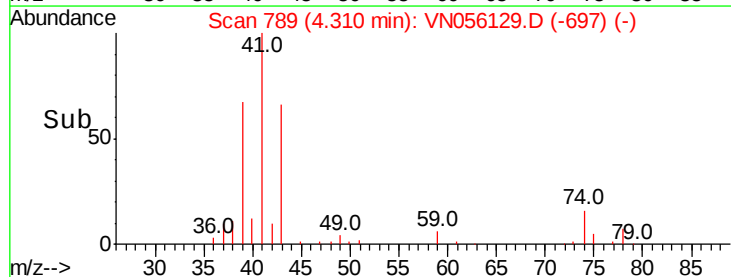
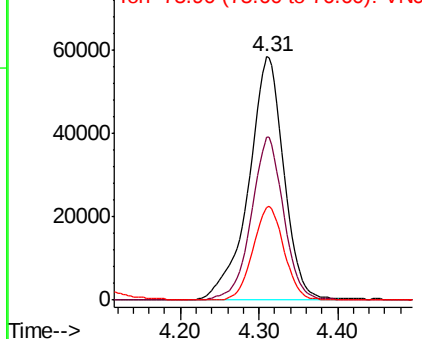
76 33.9 28.2 42.2

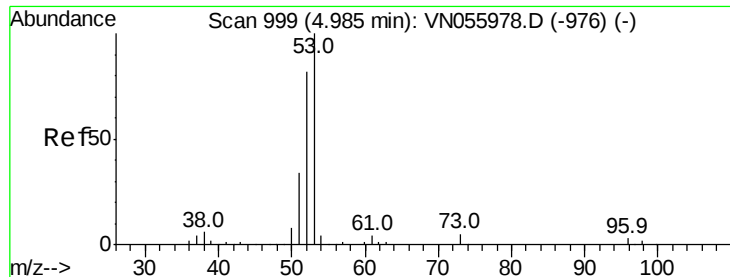


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 289.485 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

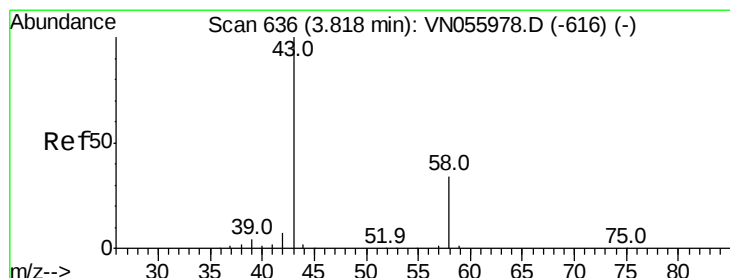
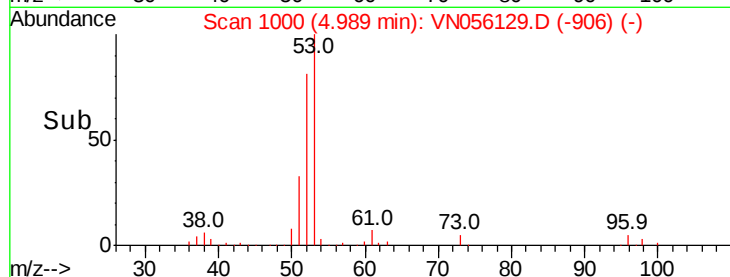
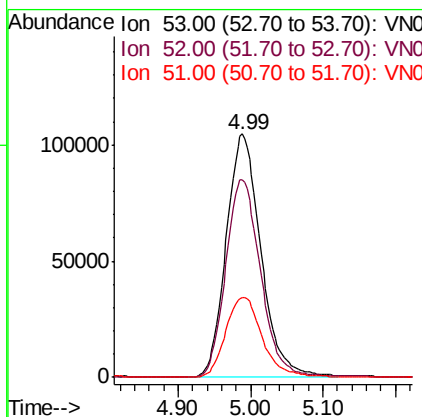
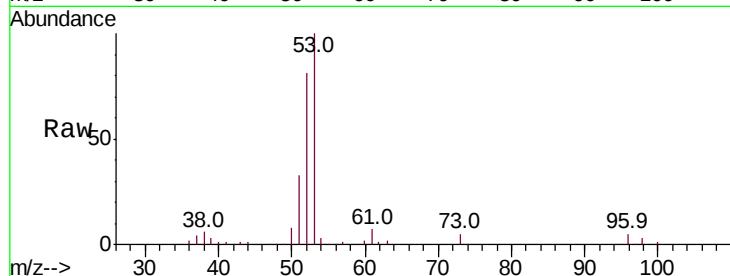
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	348811
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.8	98.8
51	34.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 205.226 ug/l

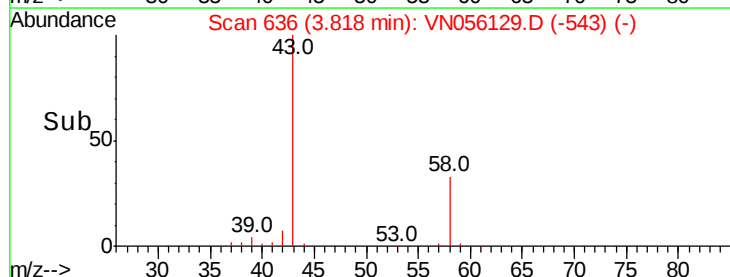
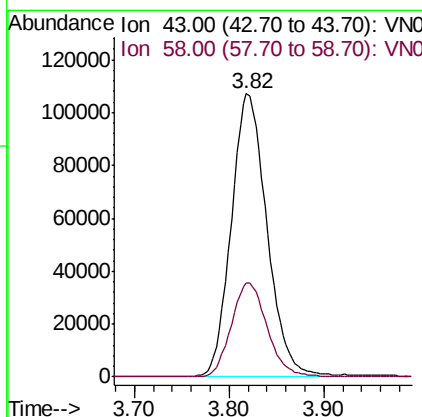
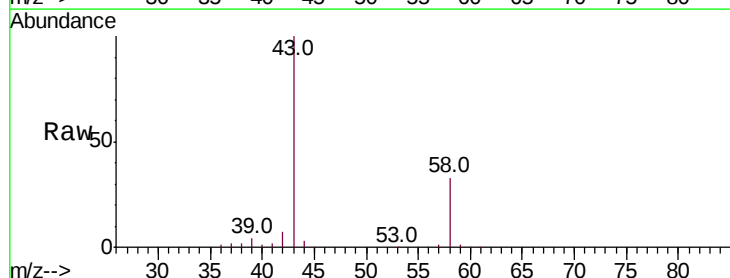
RT: 3.82 min Scan# 636

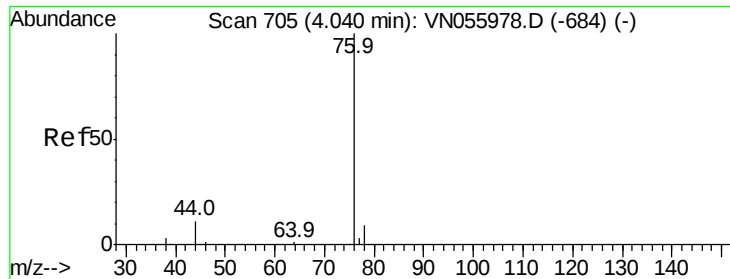
Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion:	43	Resp:	279186
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





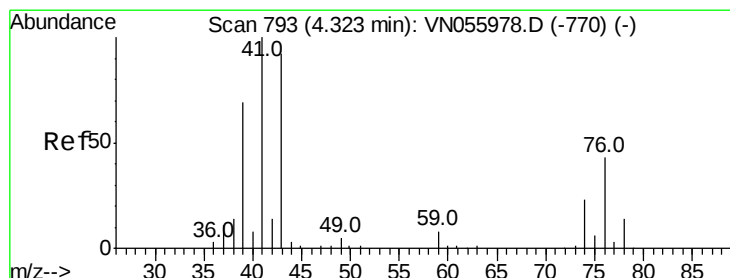
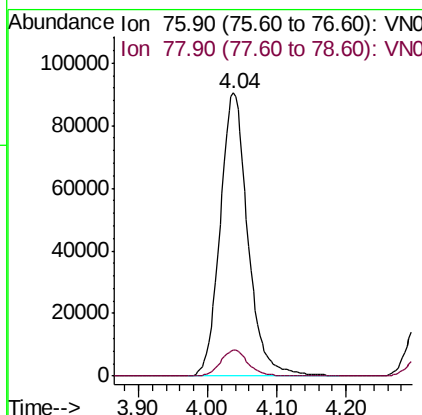
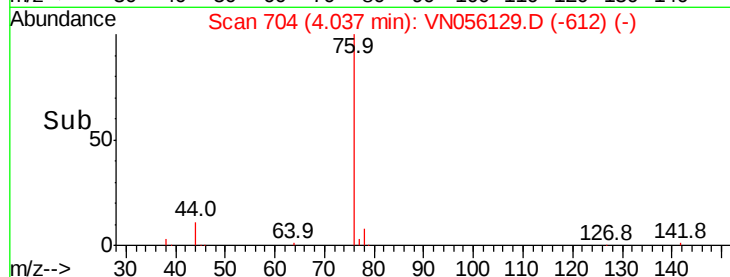
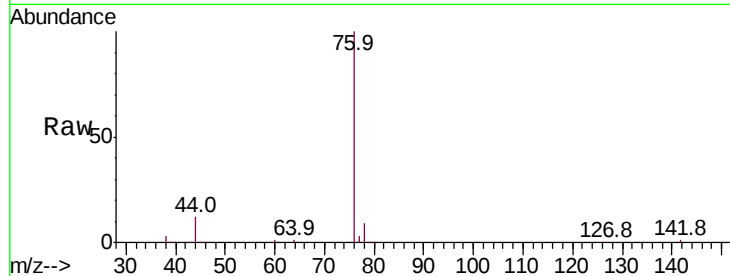
#17
Carbon Disulfide
Concen: 43.810 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.2

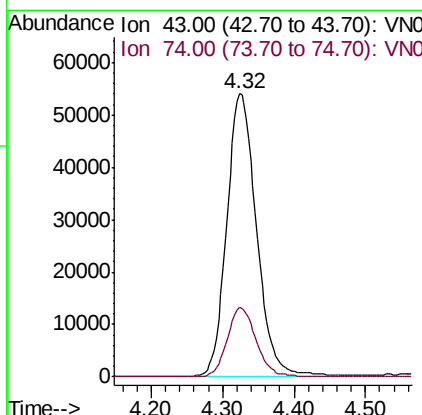
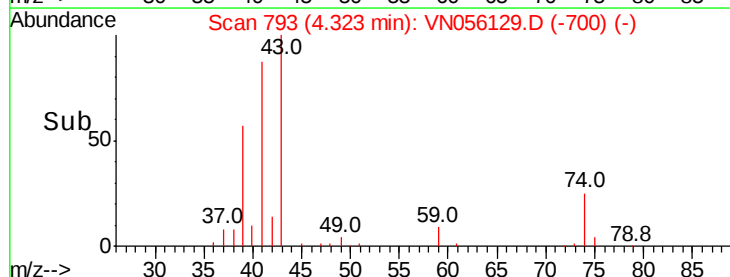
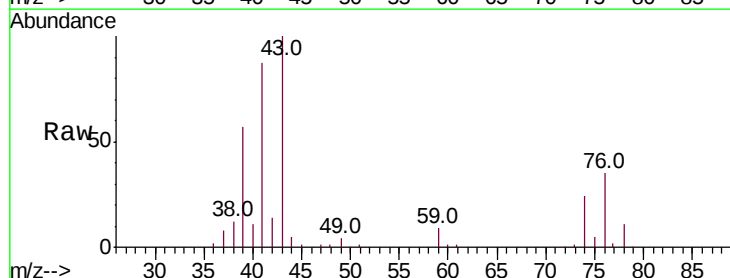
Manual Integrations
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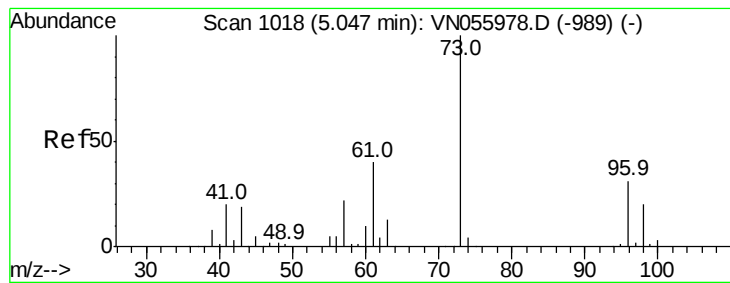
MMDadoda
6/10/2019 11:25:23 AM



#18
Methyl Acetate
Concen: 58.262 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.3	28.9





#19

Methyl tert-butyl Ether

Concen: 51.970 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 73 Resp: 398384

Ion Ratio Lower Upper

73 100

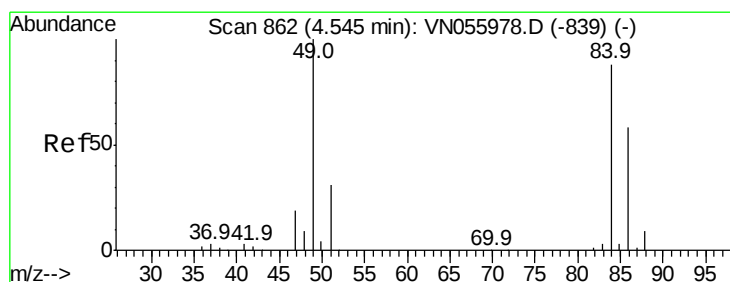
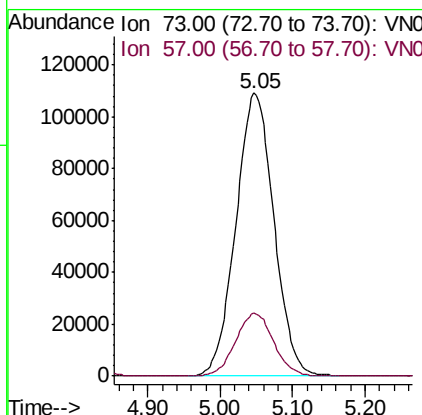
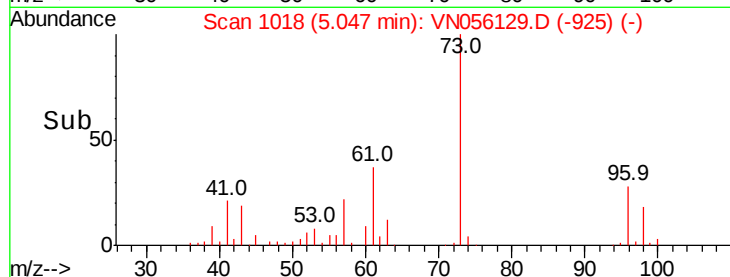
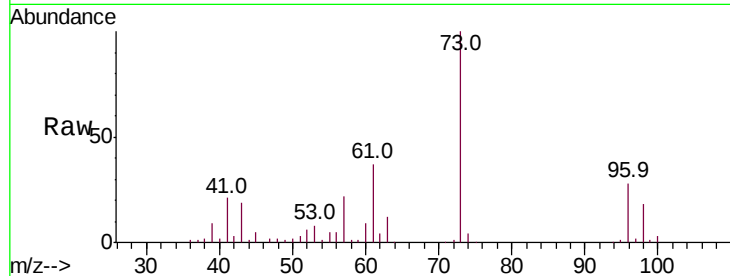
57 22.4 17.8 26.8

Manual Integrations

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#20

Methylene Chloride

Concen: 51.843 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion: 84 Resp: 145302

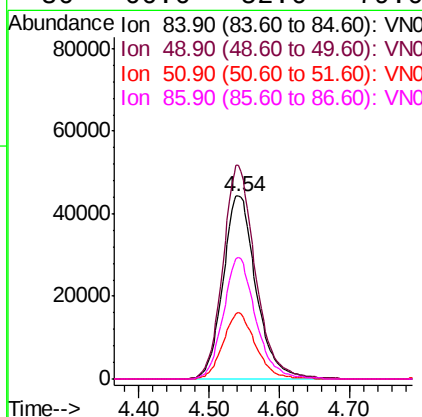
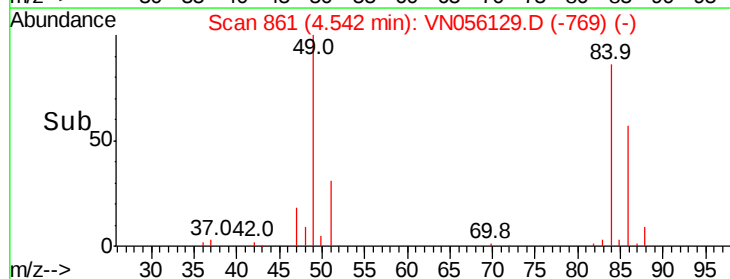
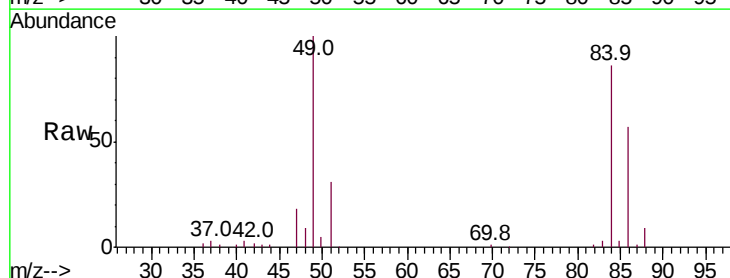
Ion Ratio Lower Upper

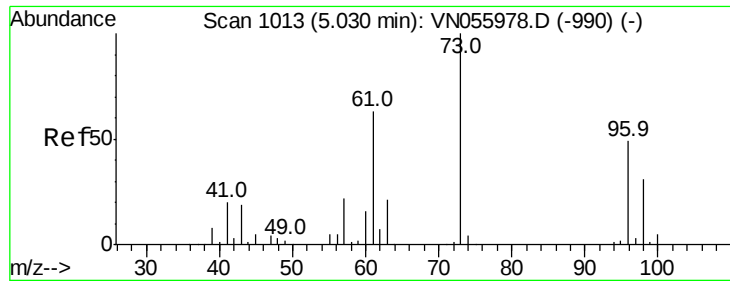
84 100

49 116.7 93.5 140.3

51 36.1 28.6 43.0

86 66.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 50.831 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN056129.D

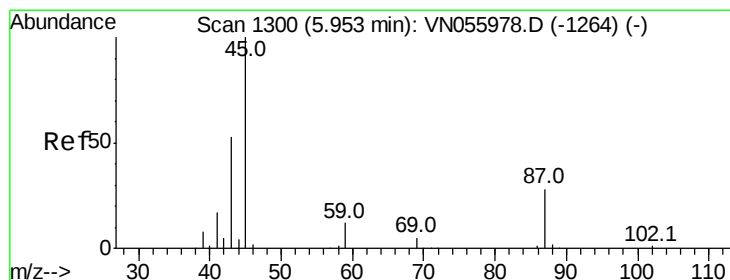
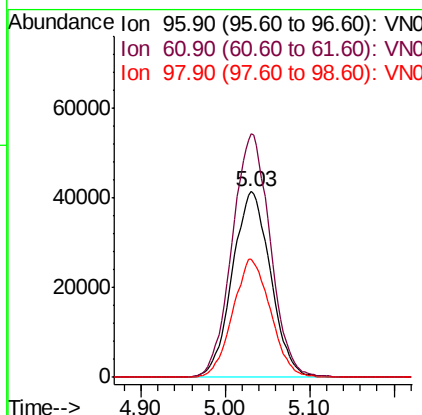
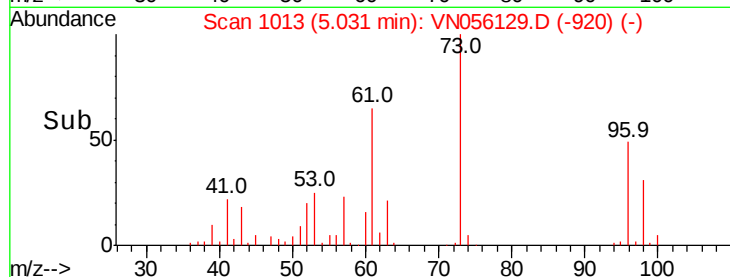
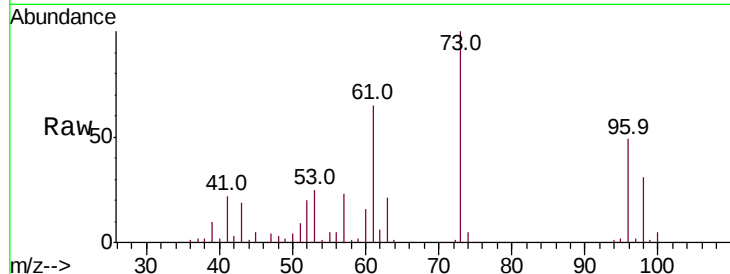
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.2	107.8	161.8
98	63.6	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.622 ug/l

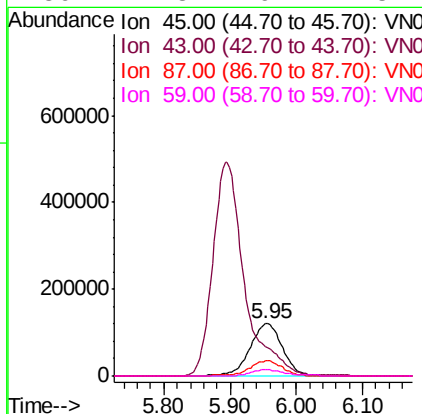
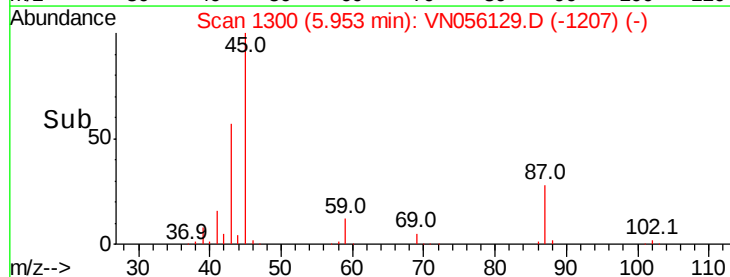
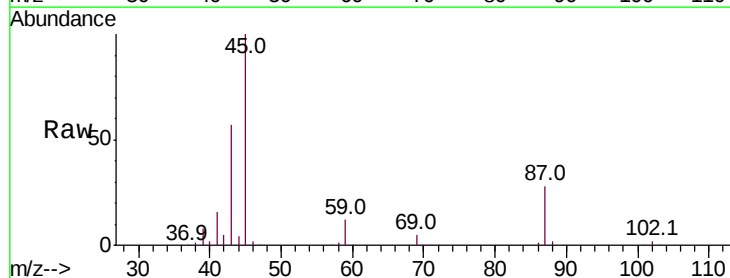
RT: 5.95 min Scan# 1300

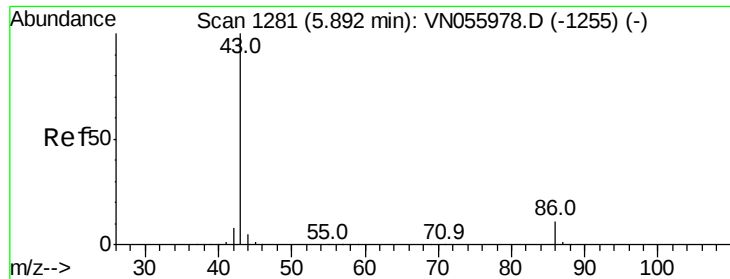
Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	45.0	67.6
87	28.2	22.2	33.4
59	11.8	9.1	13.7





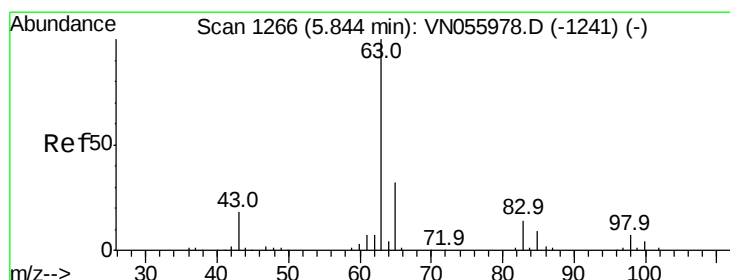
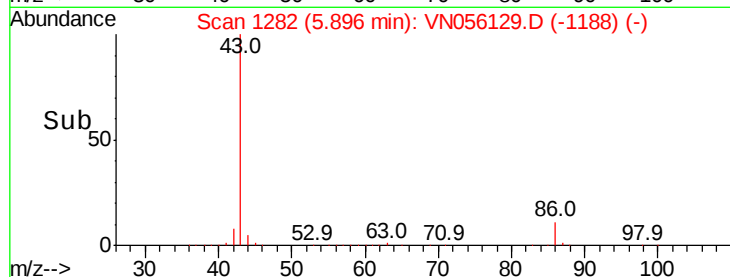
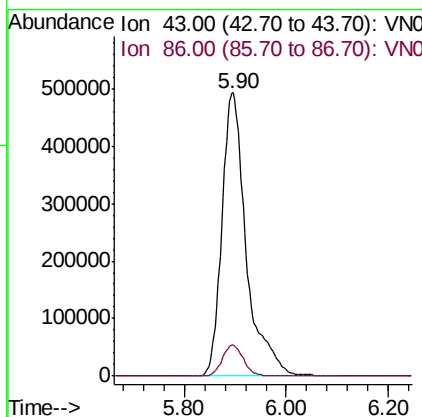
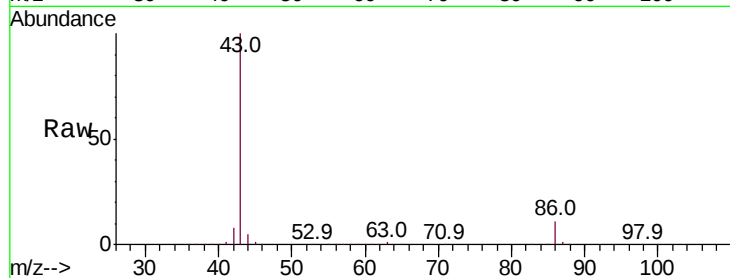
#23
 Vinyl Acetate
 Concen: 264.316 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 43 Resp: 1633934
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.6 13.0

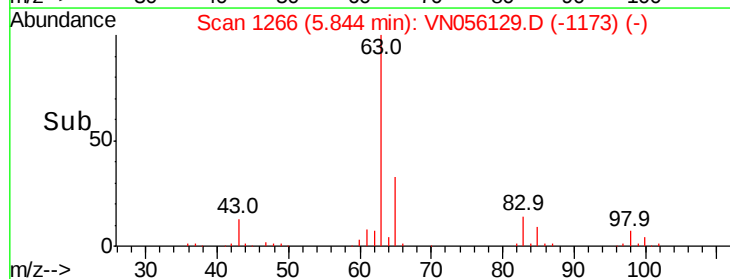
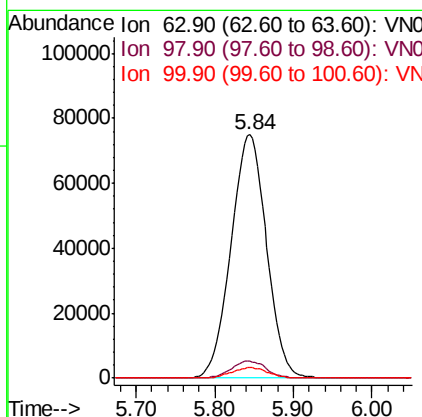
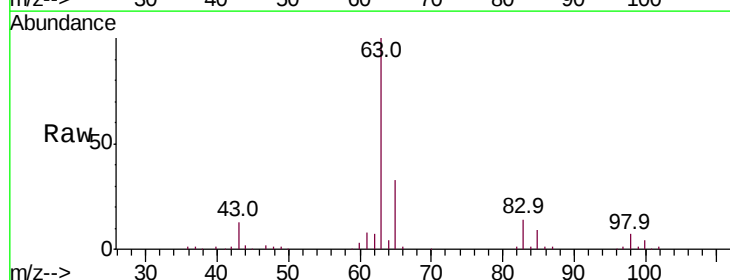
Manual Integrations
 APPROVED

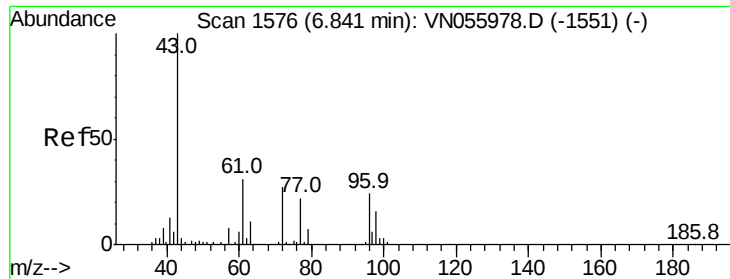
MMDadoda
 6/10/2019 11:25:23 AM



#24
 1,1-Dichloroethane
 Concen: 52.276 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion: 63 Resp: 236708
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.1
 100 4.4 2.2 6.6





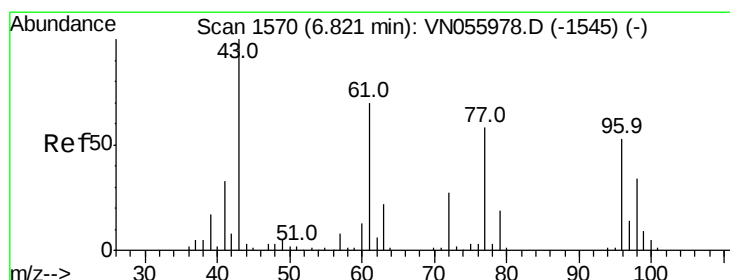
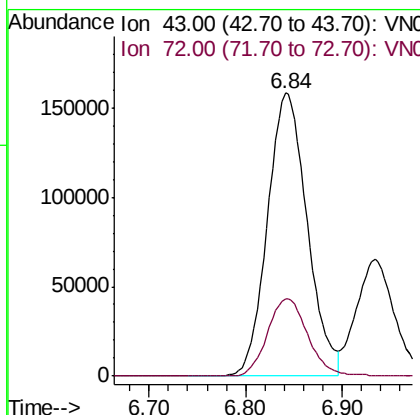
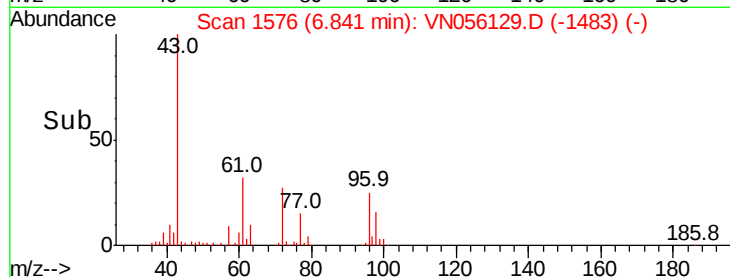
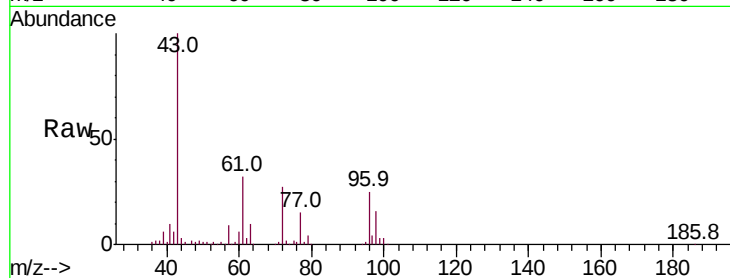
#25
2-Butanone
Concen: 262.710 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 451547
Ion Ratio Lower Upper
43 100
72 27.2 21.9 32.9

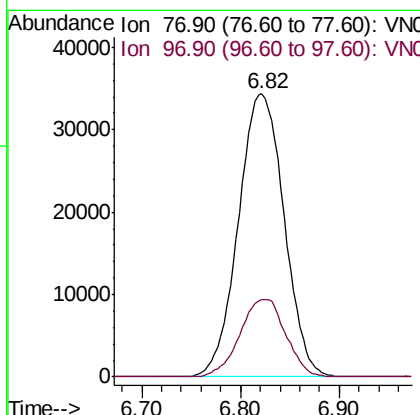
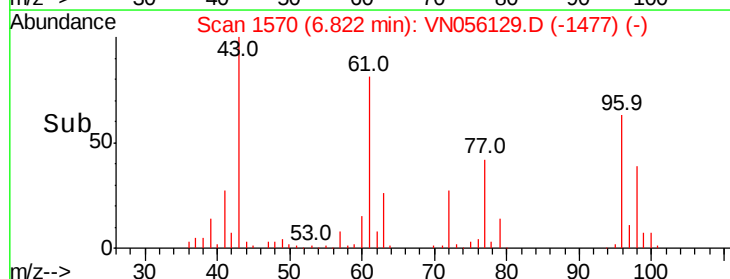
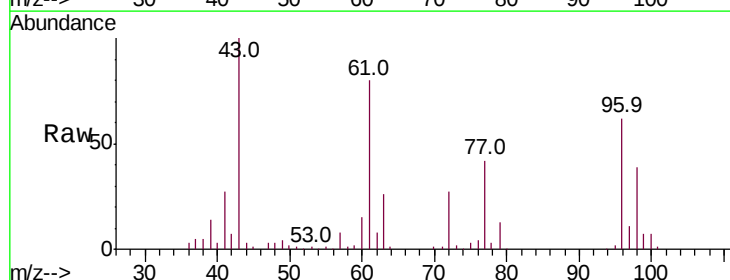
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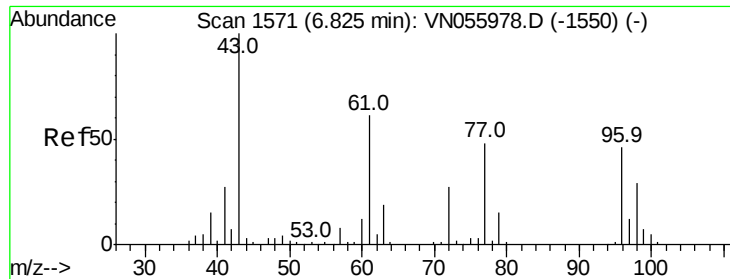
MMDadoda
6/10/2019 11:25:23 AM



#26
2,2-Dichloropropane
Concen: 31.192 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 77 Resp: 110212
Ion Ratio Lower Upper
77 100
97 27.3 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.674 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

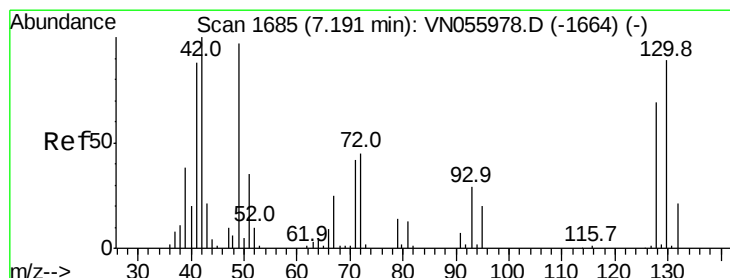
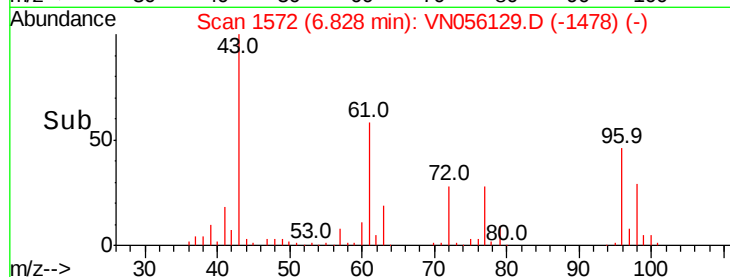
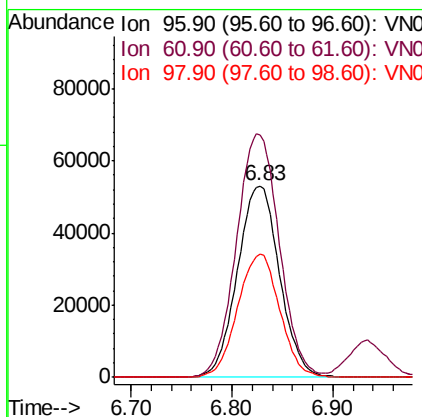
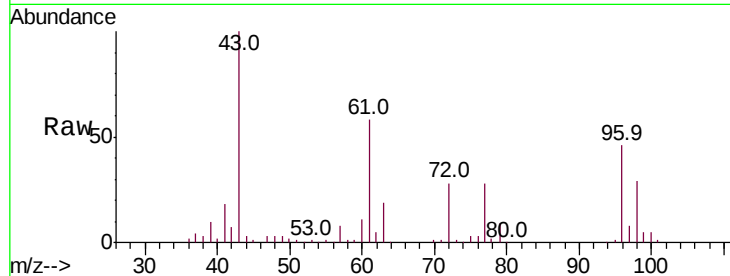
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	153484
Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	275.8
98	64.6	0.0	128.4

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#28

Bromochloromethane

Concen: 54.200 ug/l

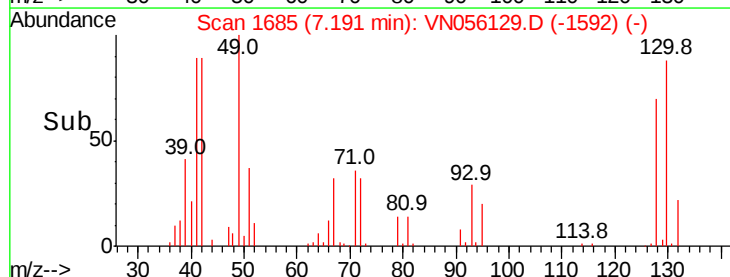
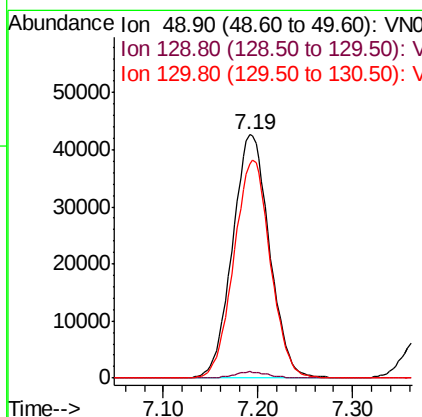
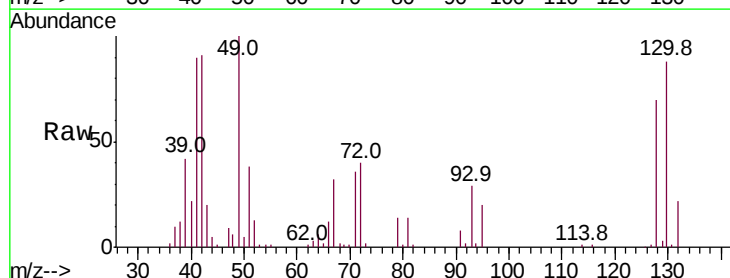
RT: 7.19 min Scan# 1685

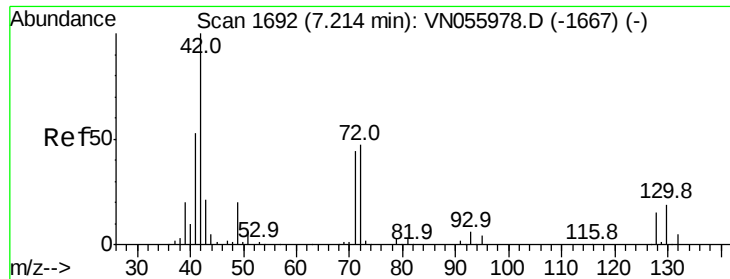
Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion:	49	Resp:	116059
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	88.4	71.2	106.8





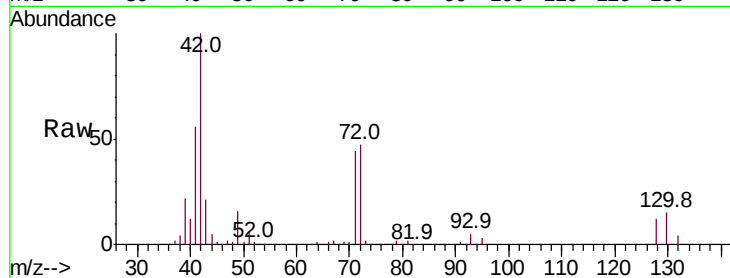
#29
Tetrahydrofuran
Concen: 281.162 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

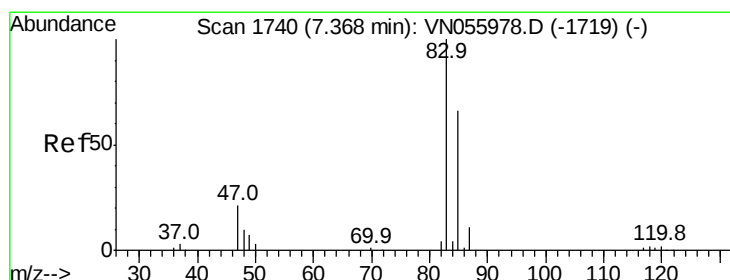
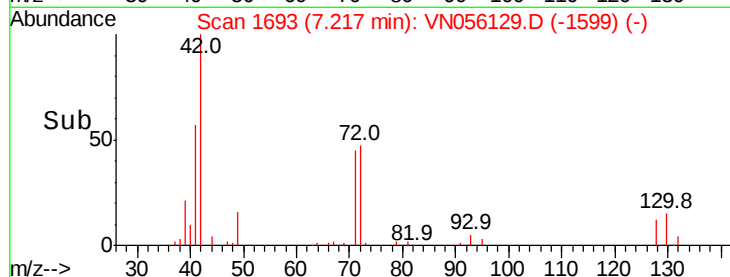
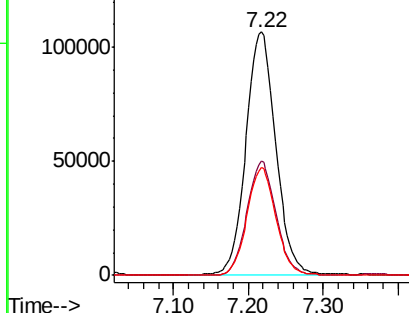
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.2	35.9	53.9
71	42.8	34.0	51.0

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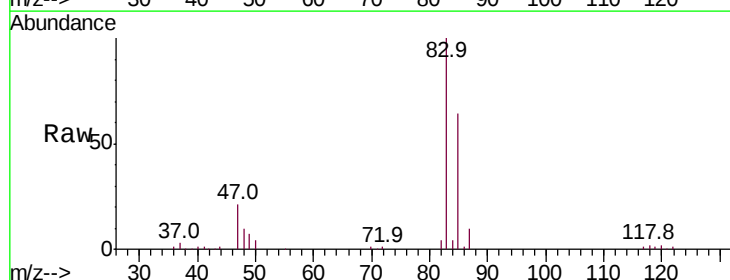


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

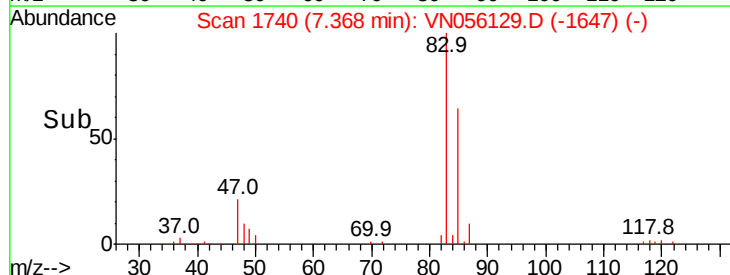
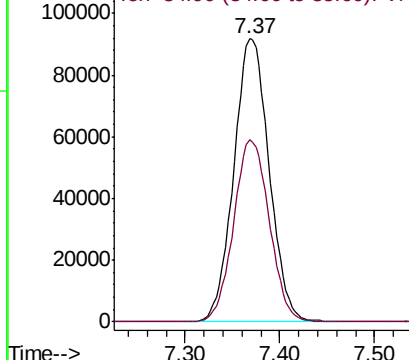


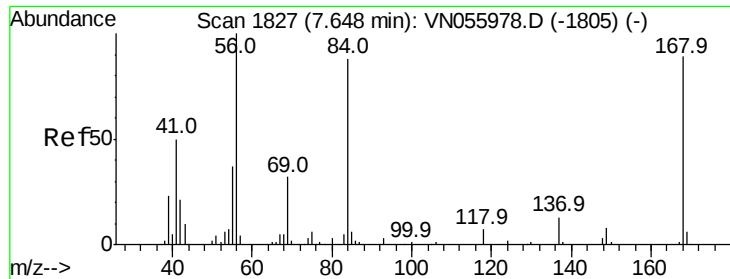
#30
Chloroform
Concen: 52.381 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





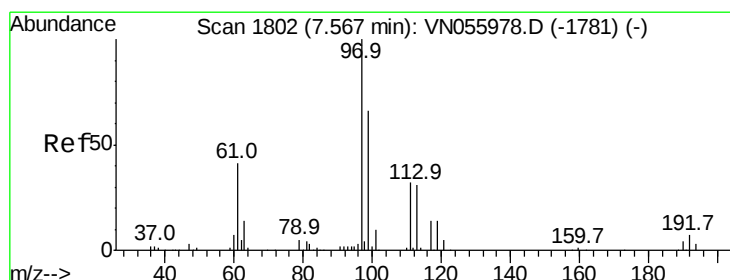
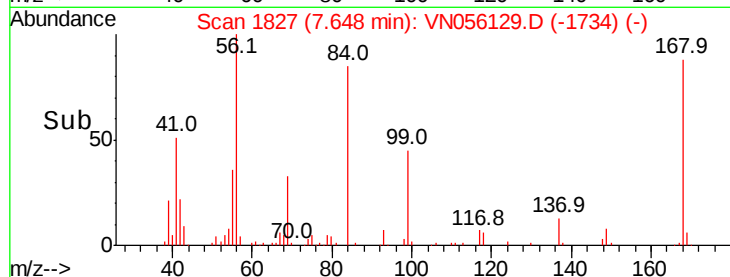
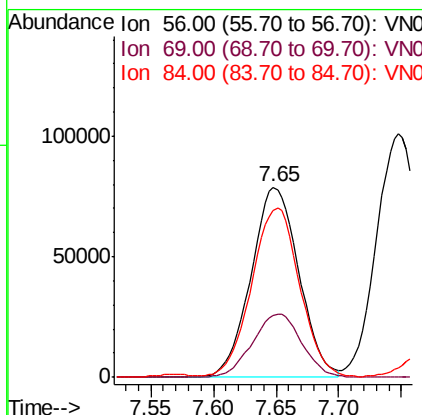
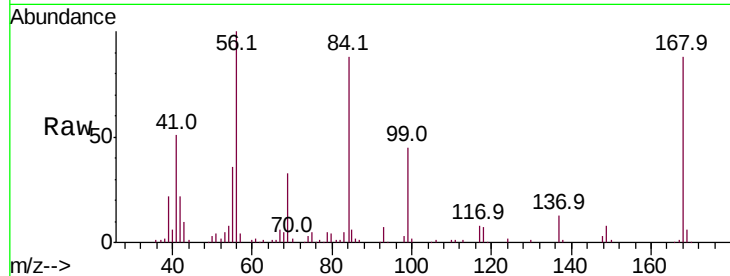
#31
Cyclohexane
Concen: 46.302 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.6	38.4
84	86.5	67.4	101.0

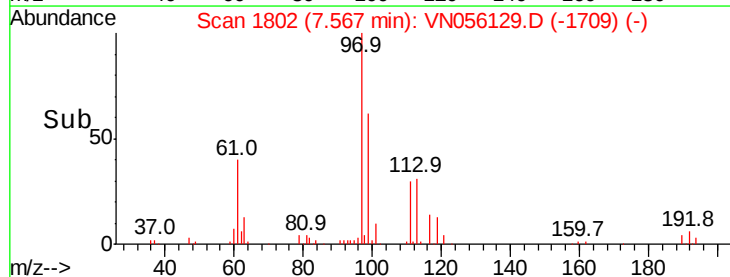
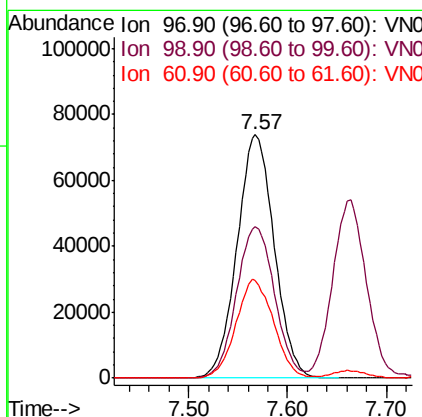
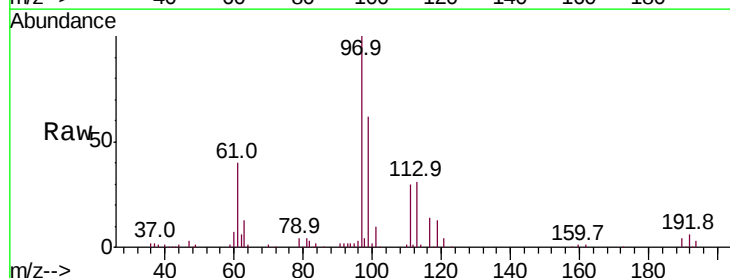
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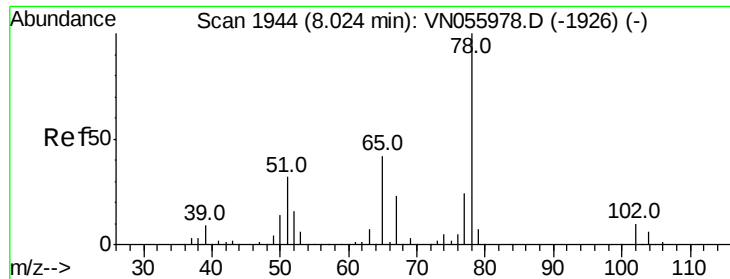
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#32
1,1,1-Trichloroethane
Concen: 50.728 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.0	78.0
61	40.9	32.9	49.3





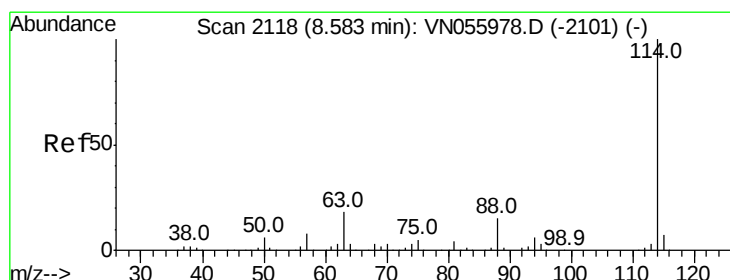
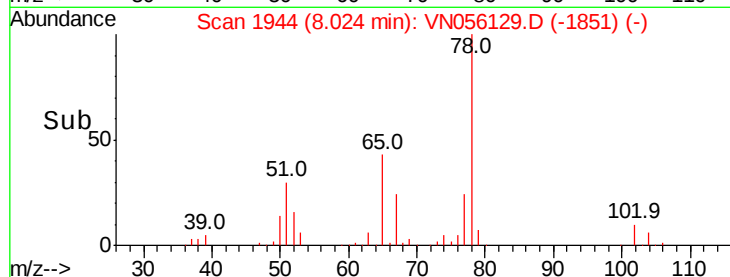
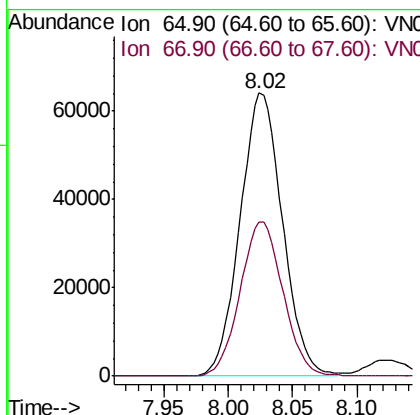
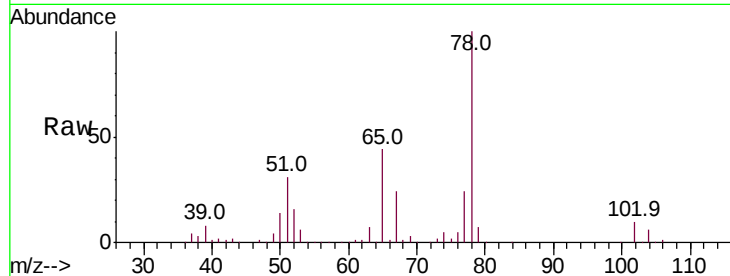
#33
 1,2-Dichloroethane-d4
 Concen: 51.731 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	147144		
67	55.0	0.0	109.2	

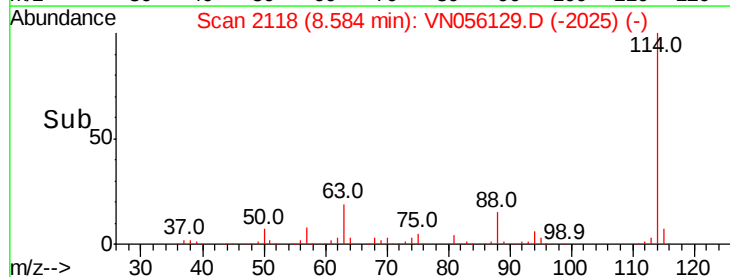
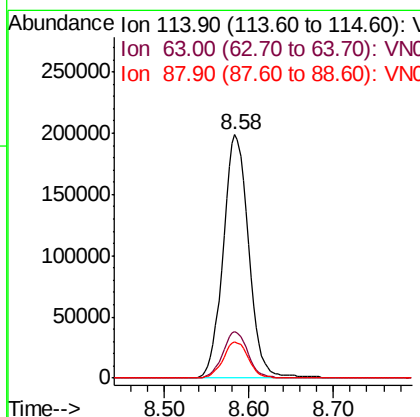
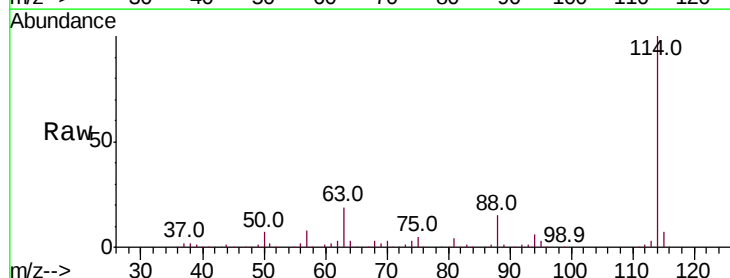
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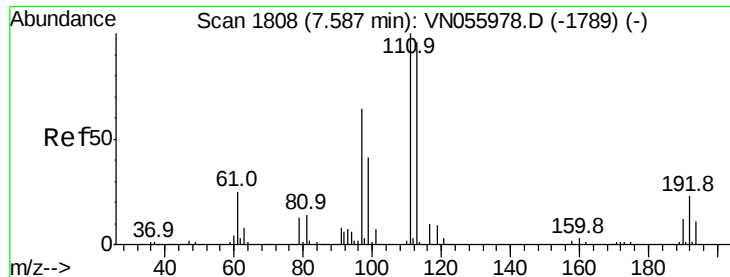
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	418353		
63	19.2	0.0	39.2	
88	14.9	0.0	31.0	





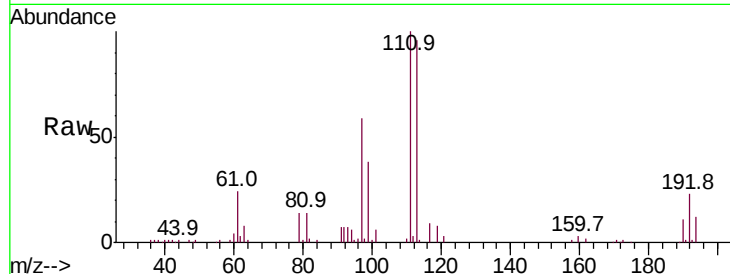
#35
Dibromofluoromethane
Concen: 52.188 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

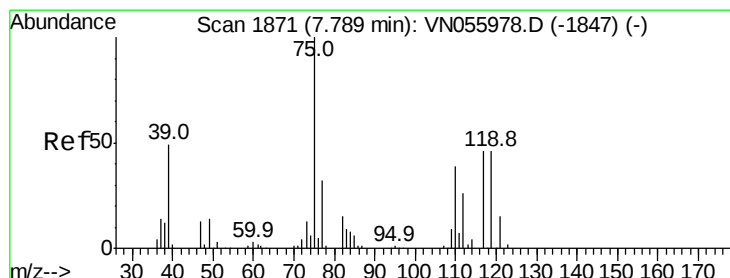
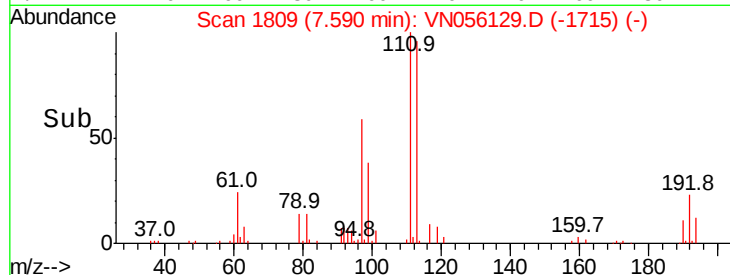
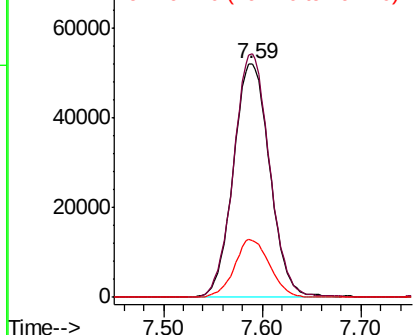
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.7	81.9	122.9	
192	23.9	19.5	29.3	

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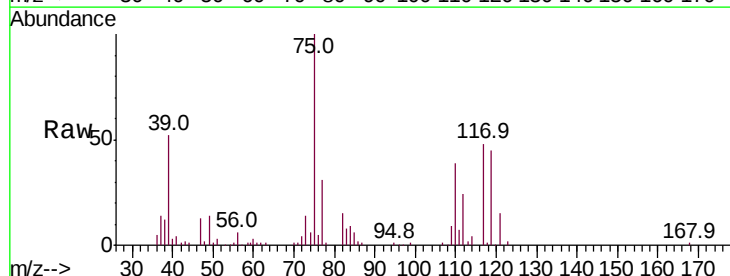


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

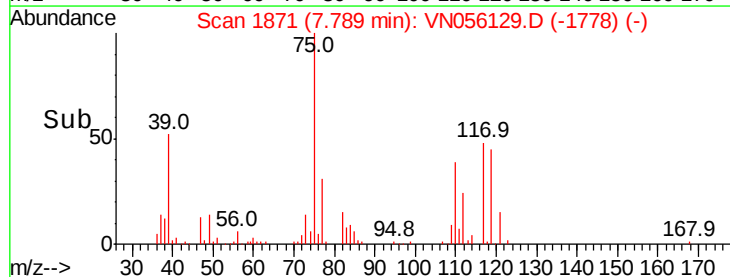
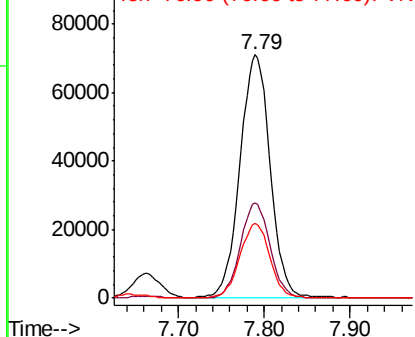


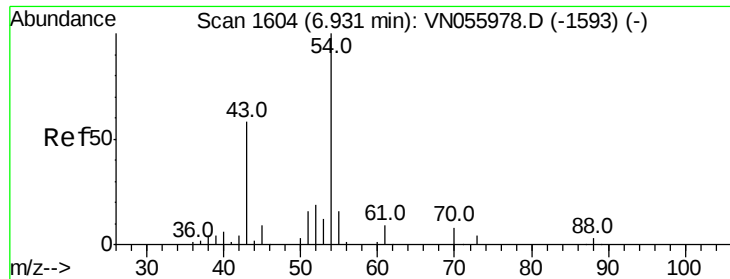
#36
1,1-Dichloropropene
Concen: 48.347 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.1	19.0	57.0	
77	30.7	25.1	37.7	



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





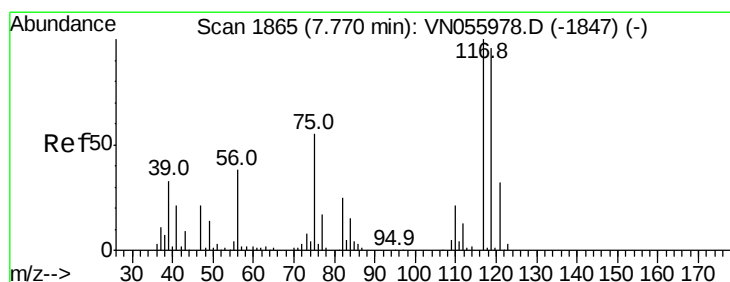
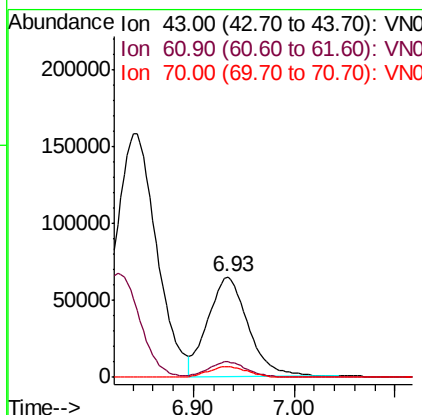
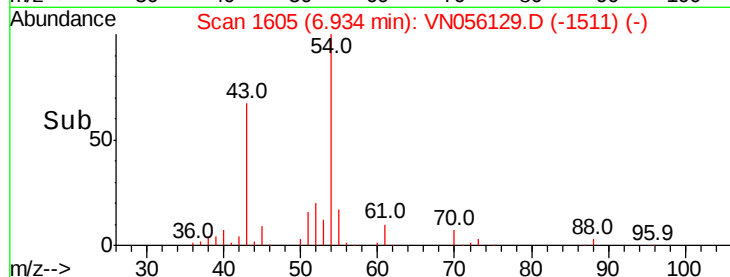
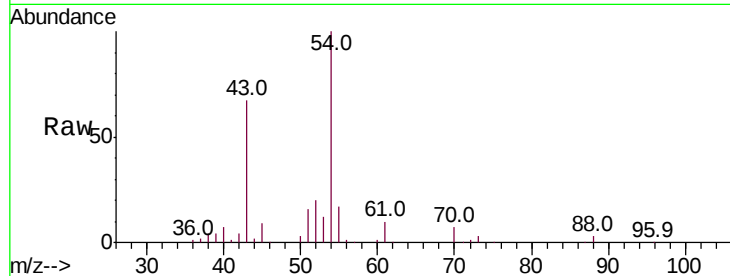
#37
Ethyl Acetate
Concen: 56.569 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.2	18.2
70	10.5	8.9	13.3

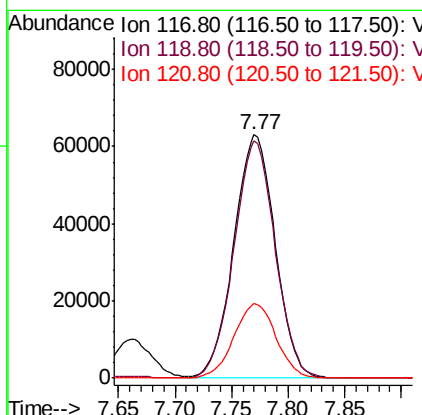
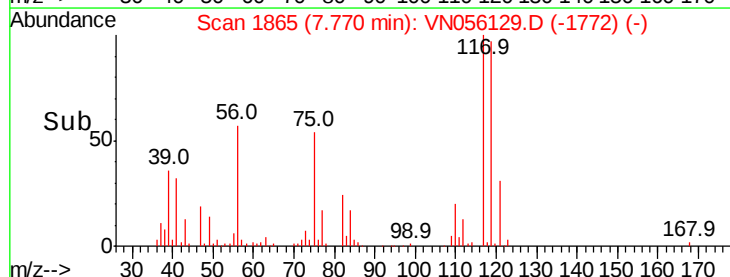
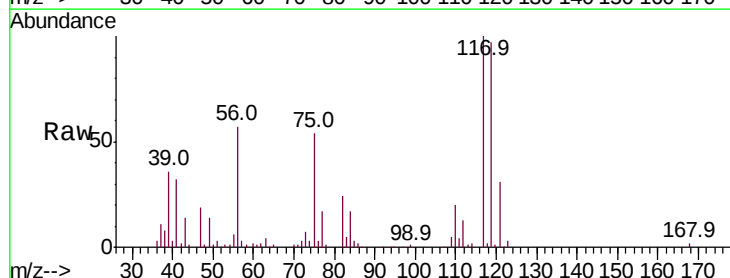
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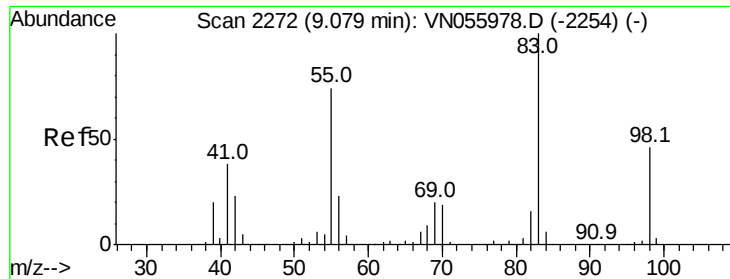
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#38
Carbon Tetrachloride
Concen: 48.432 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	79.0	118.6
121	30.6	24.7	37.1





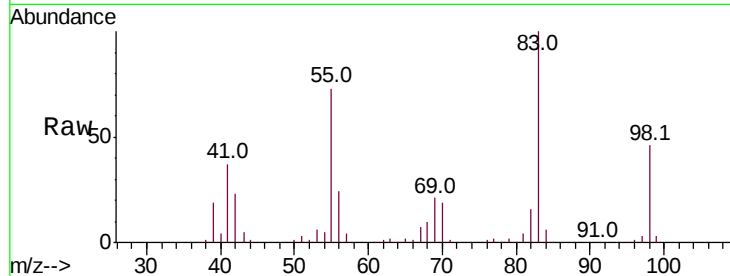
#39
Methvlcvclohexane
Concen: 46.144 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	59.3	88.9
98	46.4	36.6	54.8

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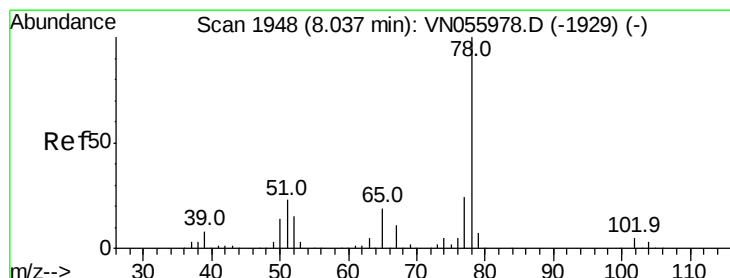
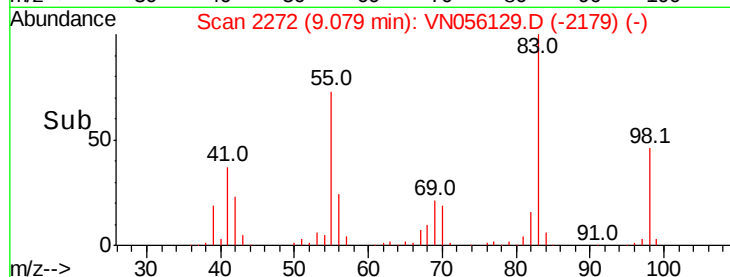
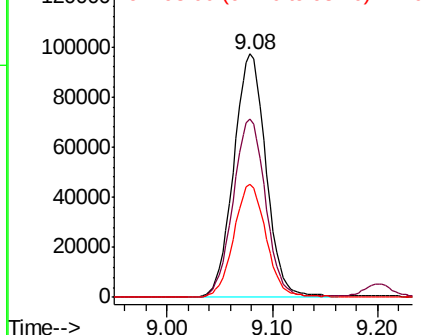


Abundance

Ion 83.00 (82.70 to 83.70): VN0

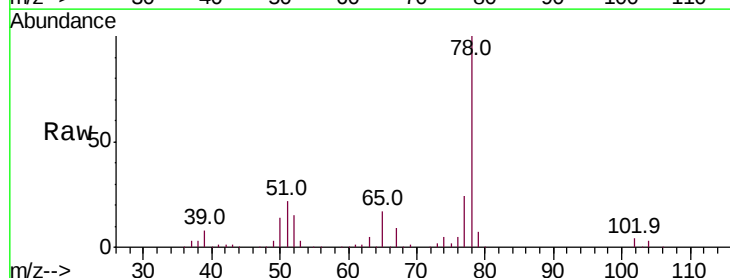
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 51.311 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

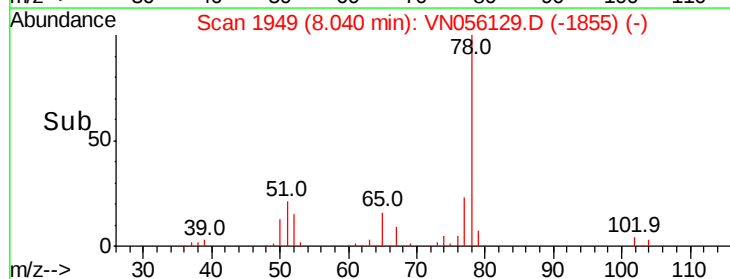
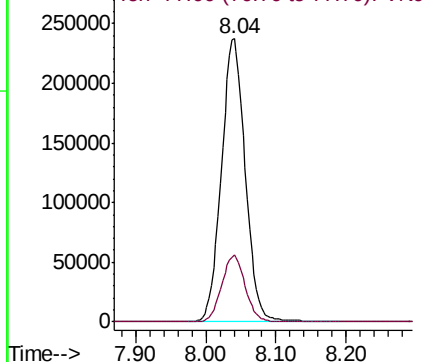
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2

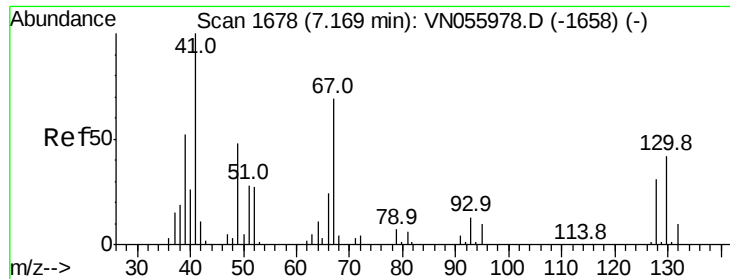


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





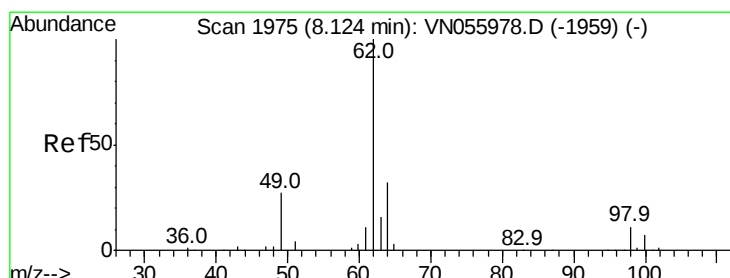
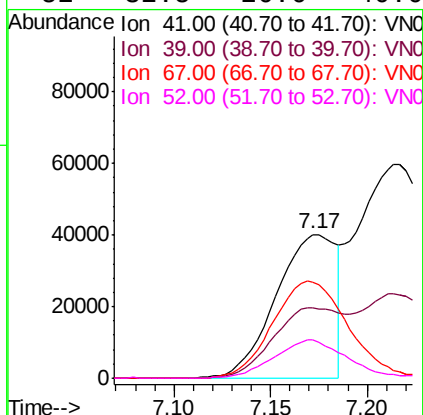
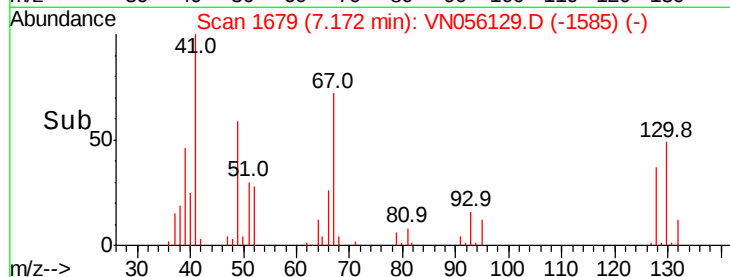
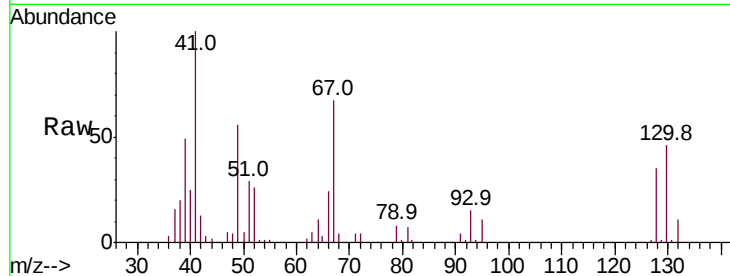
#41
Methacrylonitrile
Concen: 59.267 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	87278
Ion	Ratio	Lower	Upper
41	100		
39	58.7	45.6	68.4
67	85.7	67.7	101.5
52	32.5	26.6	40.0

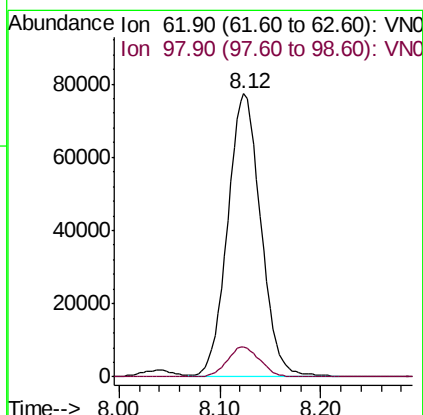
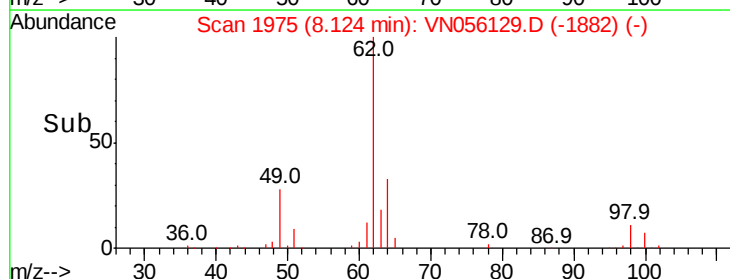
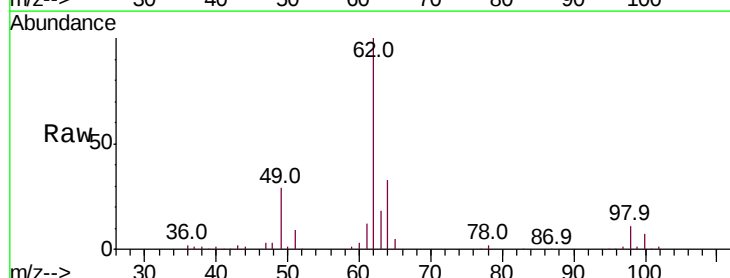
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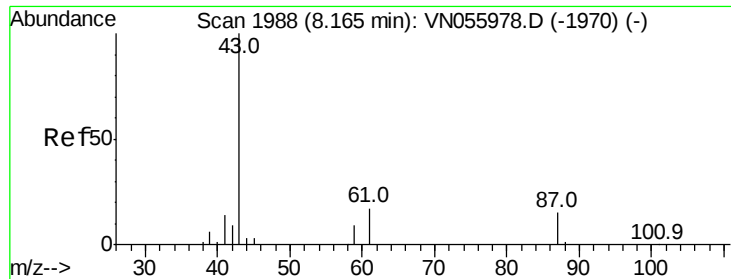
MMDadoda
6/10/2019 11:25:23 AM



#42
1,2-Dichloroethane
Concen: 50.234 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	62	Resp	176543
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.2





#43

Isopropyl Acetate

Concen: 52.933 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

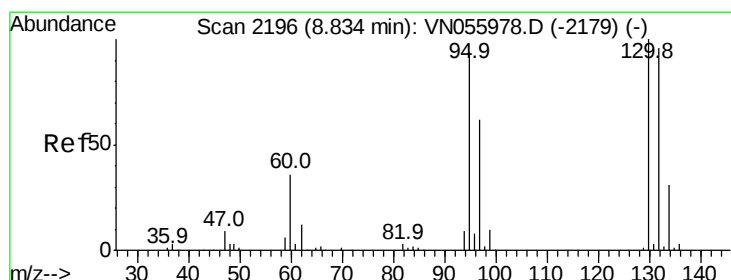
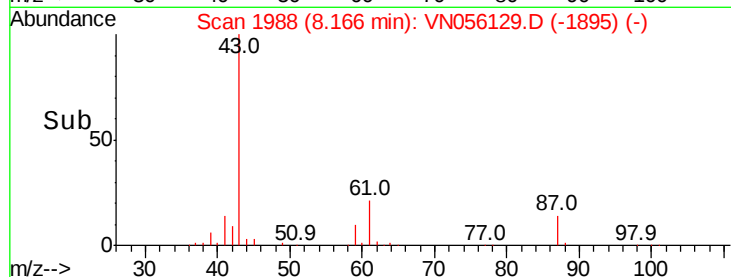
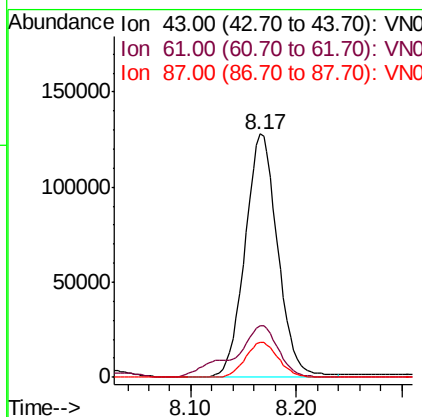
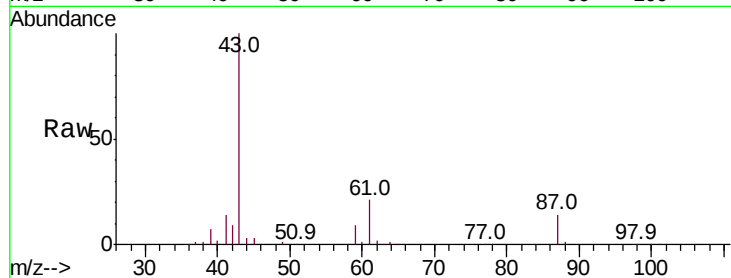
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	274544
Ion	Ratio	Lower	Upper
43	100		
61	22.3	22.2	33.4
87	14.6	11.4	17.2

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6/10/2019 11:25:23 AM



#44

Trichloroethene

Concen: 50.552 ug/l

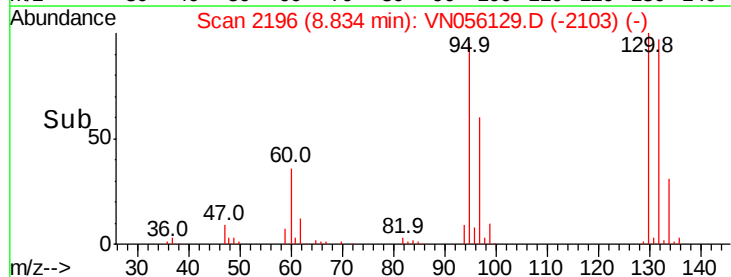
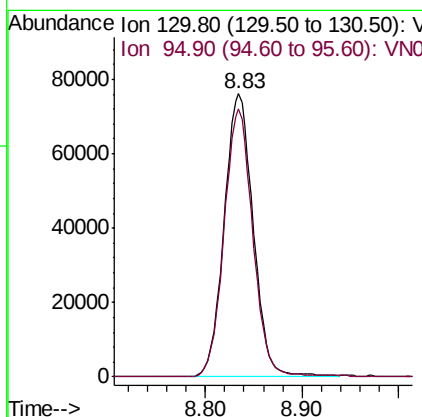
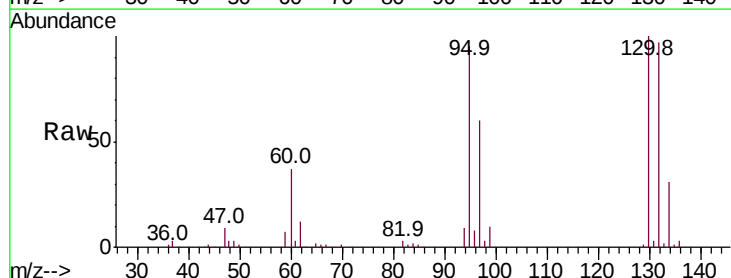
RT: 8.83 min Scan# 2196

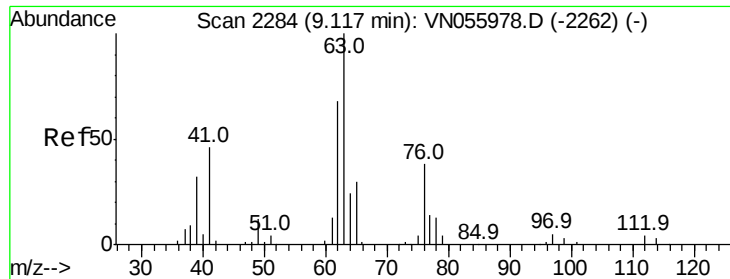
Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion:	130	Resp:	158708
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	188.0





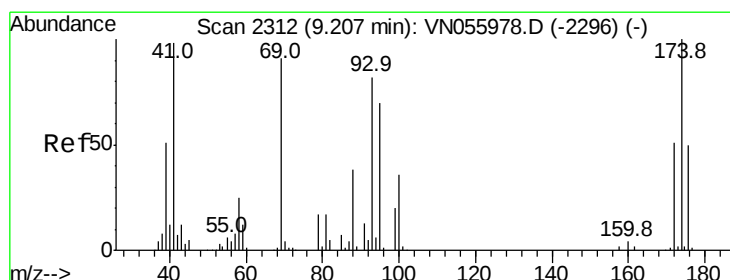
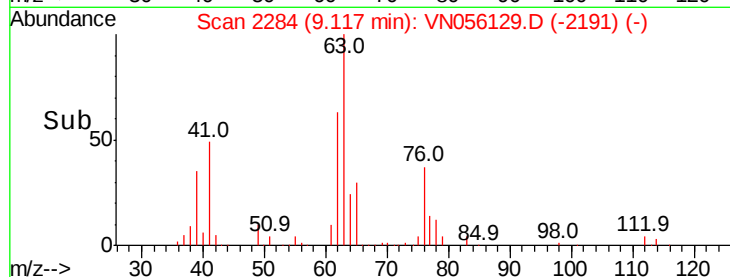
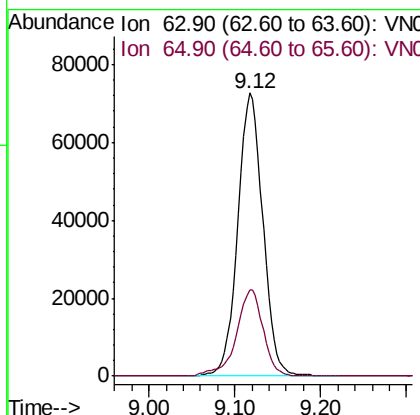
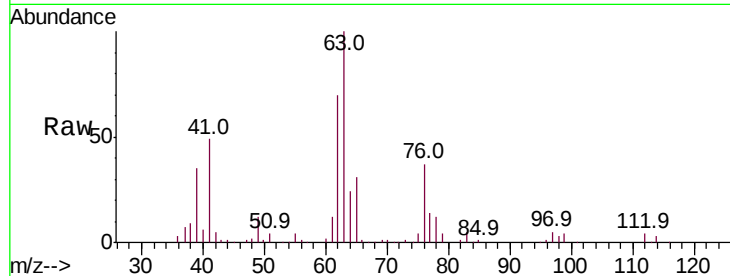
#45
 1,2-Dichloropropane
 Concen: 52.743 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 147604
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 36.8

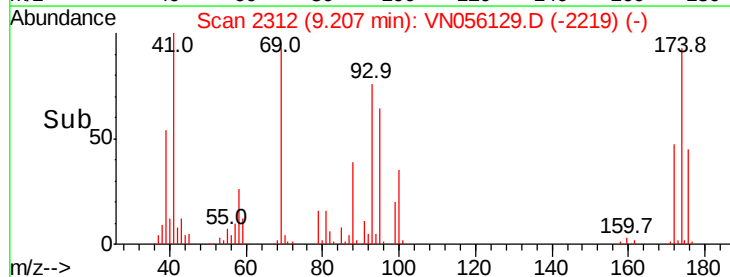
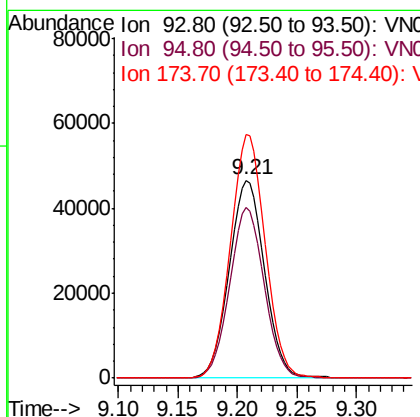
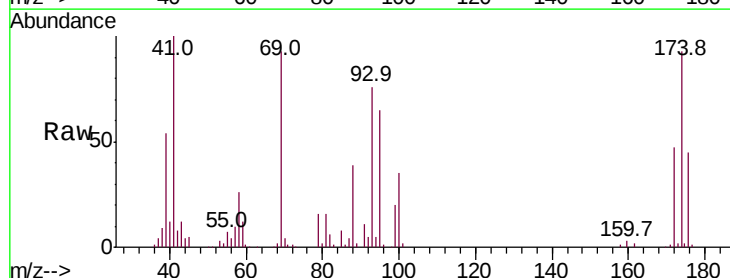
Manual Integrations
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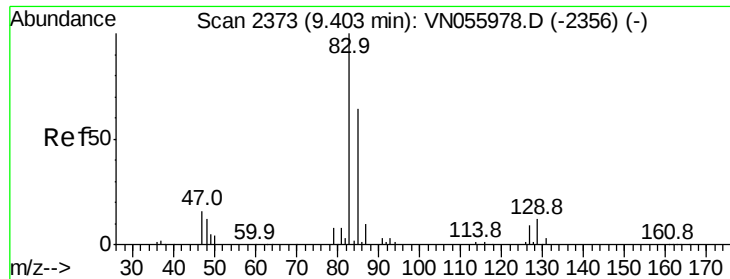
MMDadoda
 6/10/2019 11:25:23 AM



#46
 Dibromomethane
 Concen: 52.375 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion: 93 Resp: 95847
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 121.3 96.4 144.6





#47

Bromodichloromethane

Concen: 51.244 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

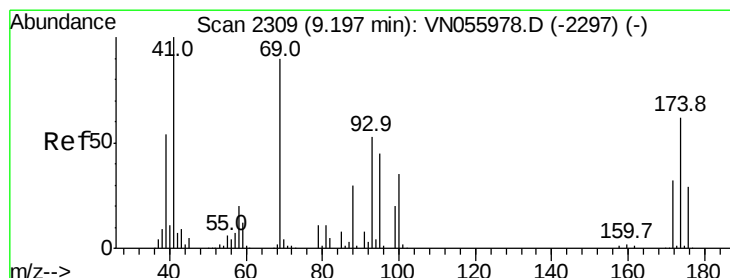
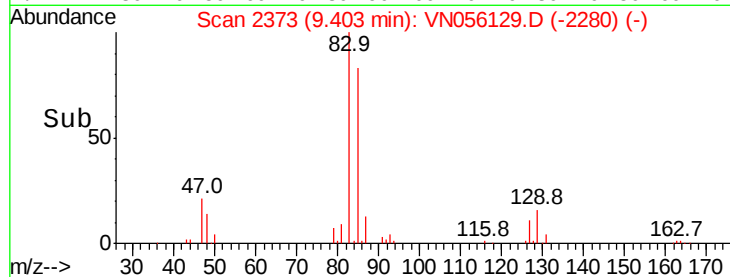
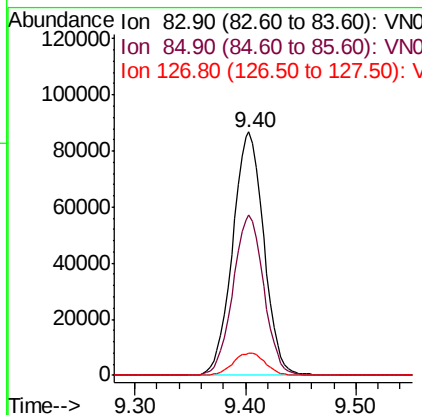
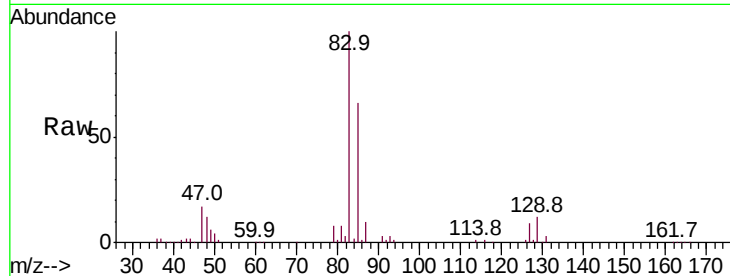
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	169964
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.2	78.2
127	9.1	7.4	11.0

Manual Integrations
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6/10/2019 11:25:23 AM



#48

Methyl methacrylate

Concen: 54.800 ug/l

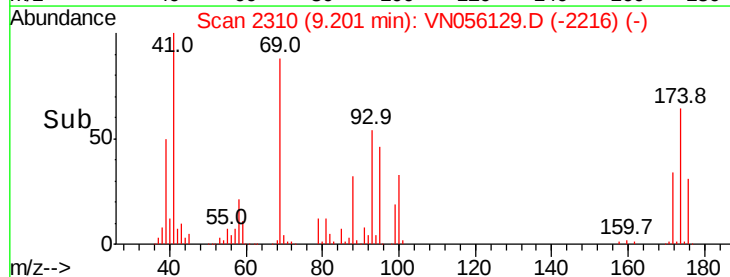
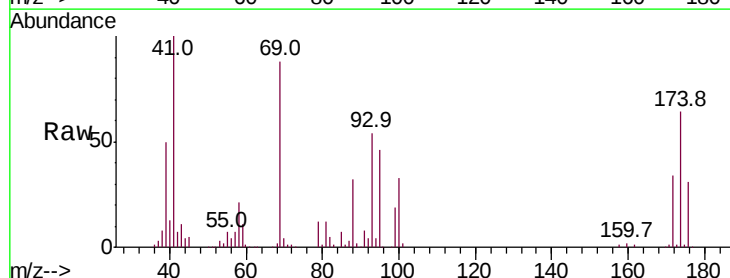
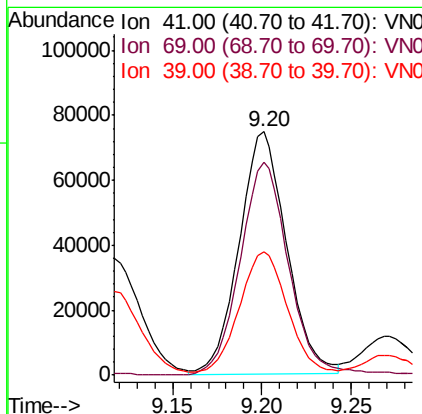
RT: 9.20 min Scan# 2310

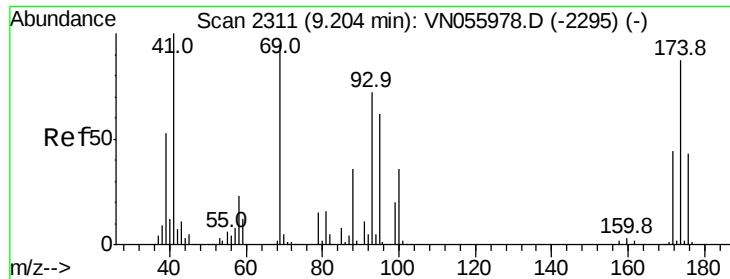
Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion:	41	Resp:	139052
Ion Ratio	Lower	Upper	
41	100		
69	91.1	71.0	106.6
39	51.7	44.2	66.2





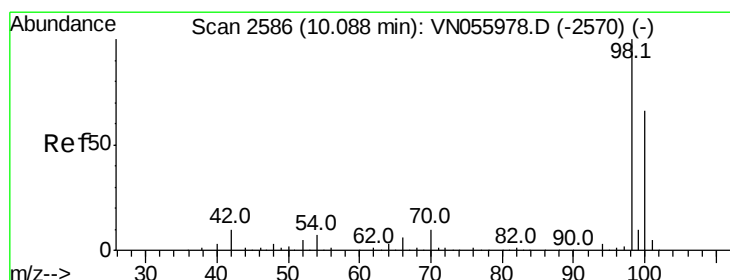
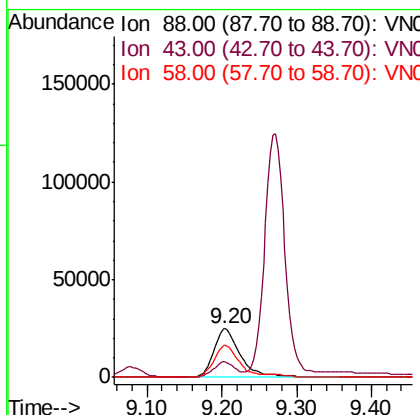
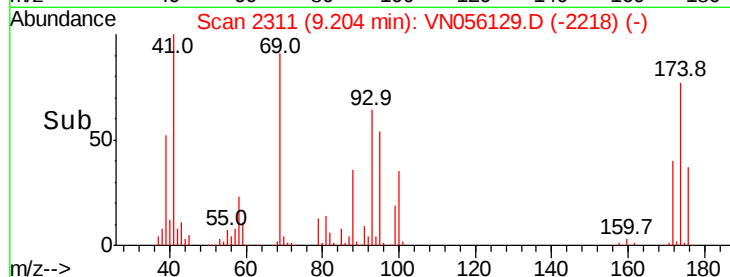
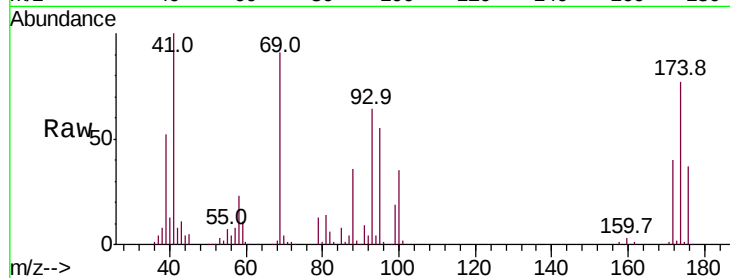
#49
1,4-Dioxane
Concen: 1121.974 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 61462
Ion Ratio Lower Upper
88 100
43 24.9 20.5 30.7
58 67.3 55.8 83.6

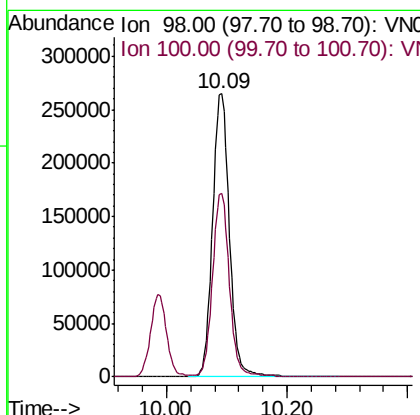
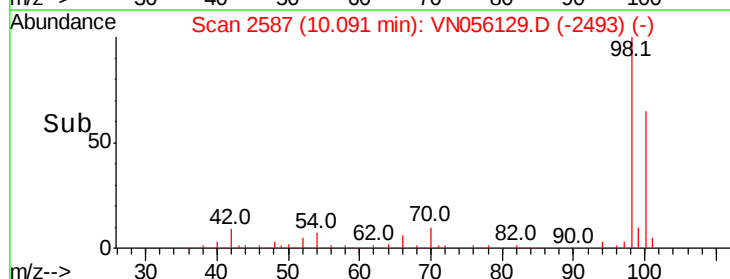
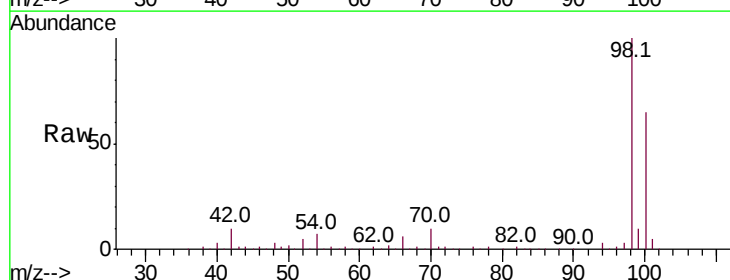
Manual Integrations
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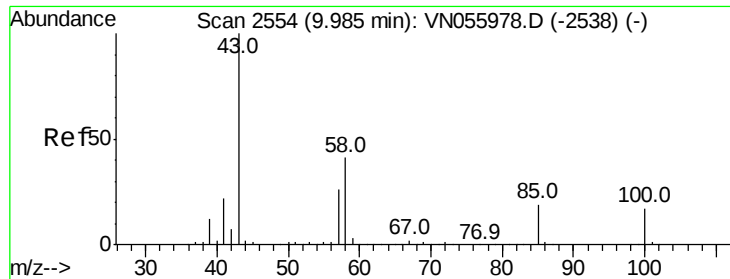
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6/10/2019 11:25:23 AM



#50
Toluene-d8
Concen: 50.916 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 98 Resp: 502886
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9





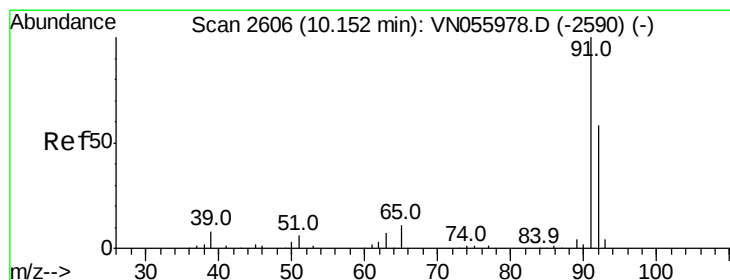
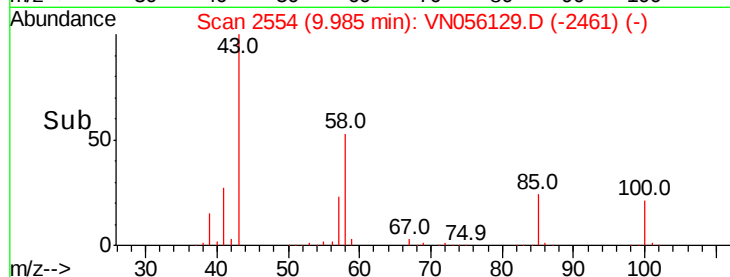
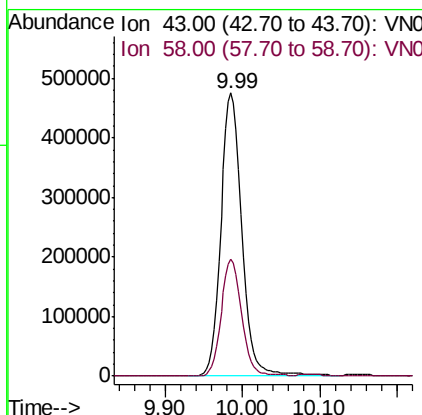
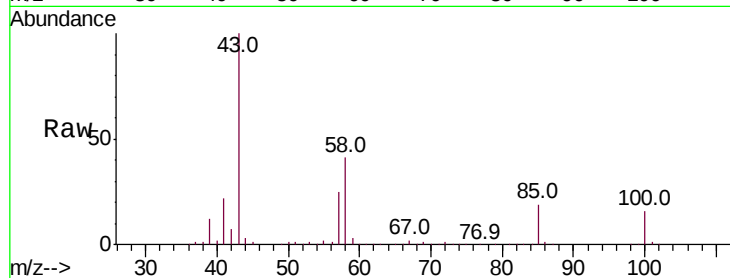
#51
4-Methyl-2-Pentanone
Concen: 277.320 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 899471
Ion Ratio Lower Upper
43 100
58 40.5 32.1 48.1

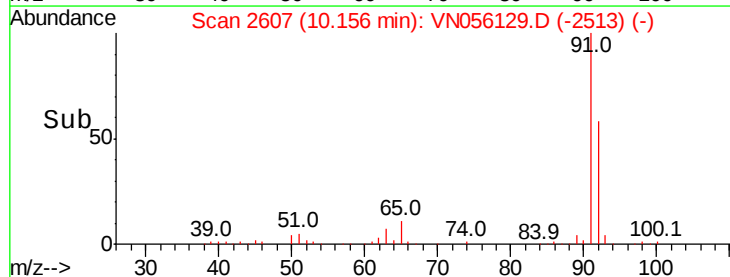
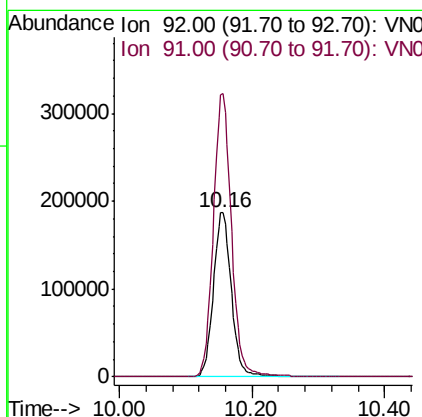
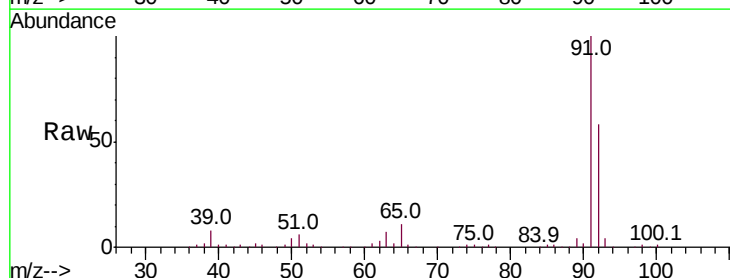
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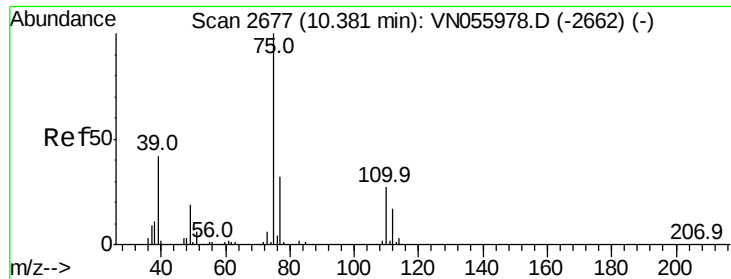
MMDadoda
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#52
Toluene
Concen: 51.775 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 92 Resp: 351998
Ion Ratio Lower Upper
92 100
91 173.7 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 43.148 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 166444

Ion Ratio Lower Upper

75 100

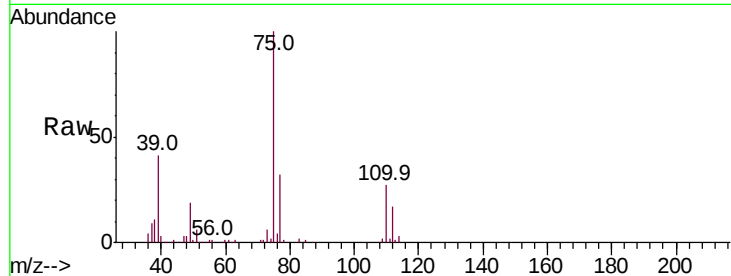
77 31.4 25.8 38.6

Manual Integrations

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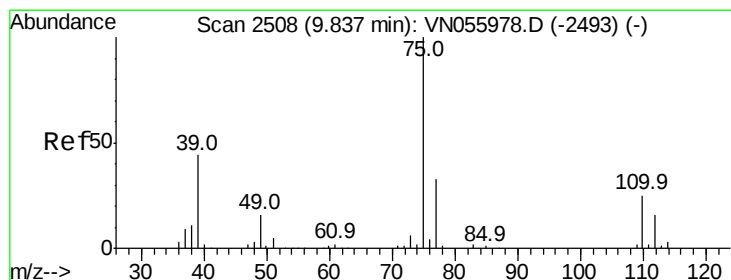
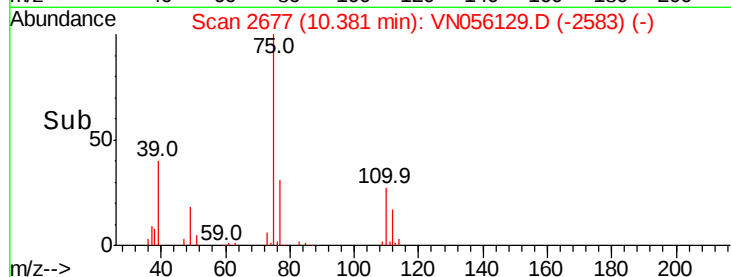
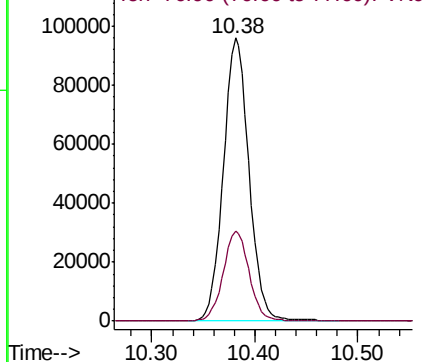
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 49.363 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

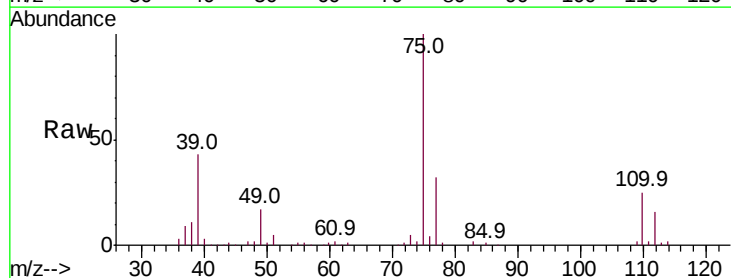
Tgt Ion: 75 Resp: 196800

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

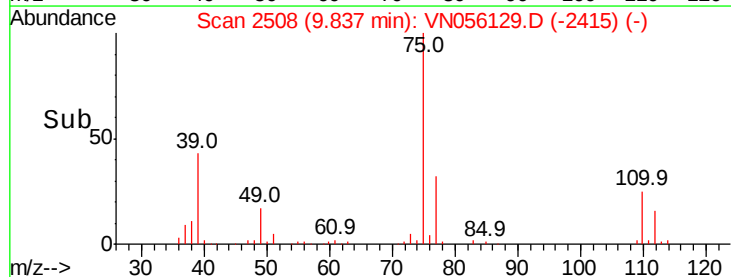
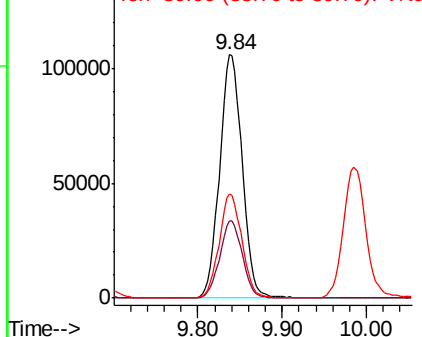
39 42.7 36.3 54.5

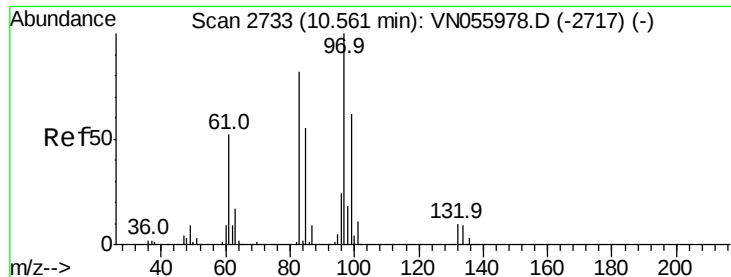


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





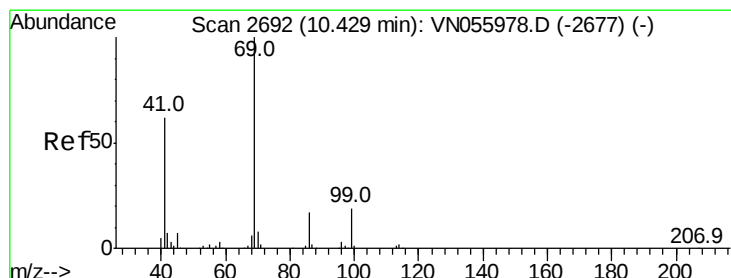
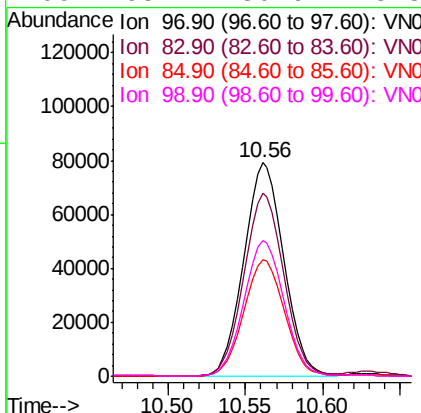
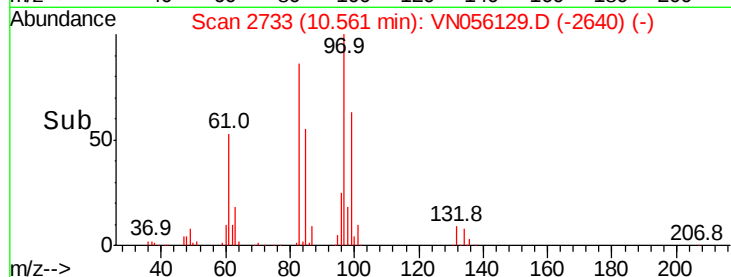
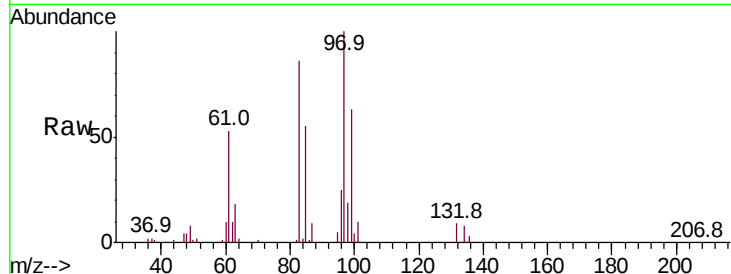
#55
 1,1,2-Trichloroethane
 Concen: 53.014 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	142769
Ion	Ratio	Lower	Upper
97	100		
83	85.9	67.0	100.6
85	54.7	44.0	66.0
99	63.2	50.6	75.8

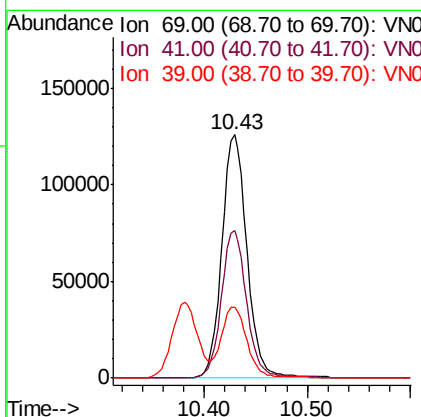
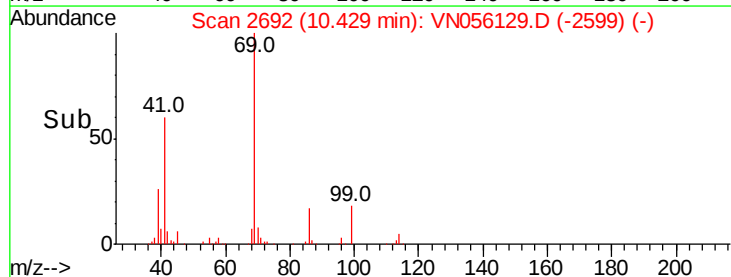
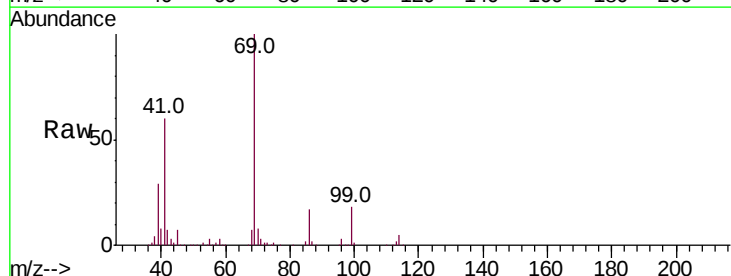
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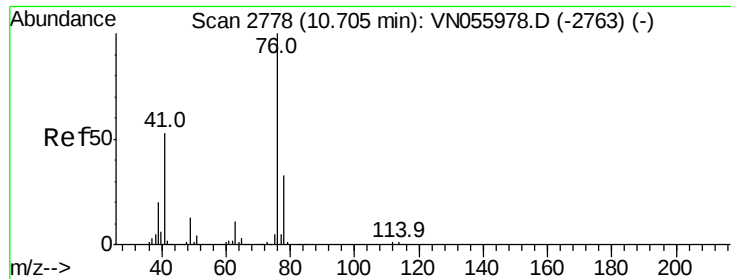
MMDadoda
 6/10/2019 11:25:23 AM



#56
 Ethyl methacrylate
 Concen: 54.474 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion:	69	Resp:	214022
Ion	Ratio	Lower	Upper
69	100		
41	60.1	49.7	74.5
39	29.0	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.947 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 231797

Ion Ratio Lower Upper

76 100

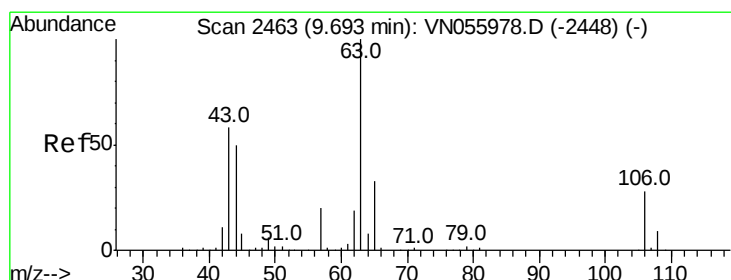
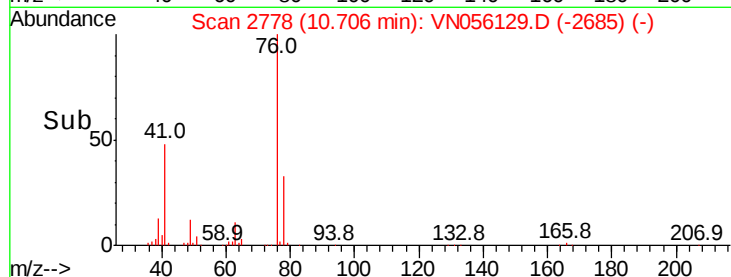
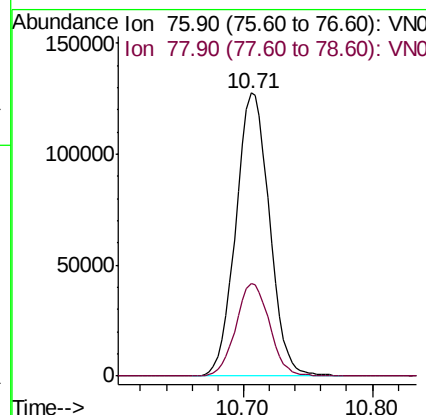
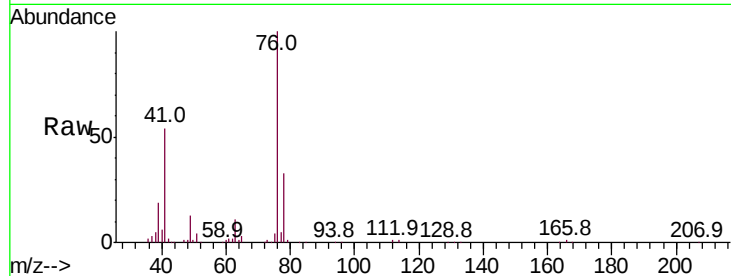
78 32.7 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 250.393 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056129.D

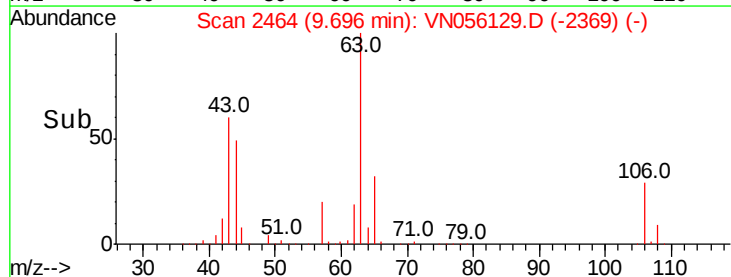
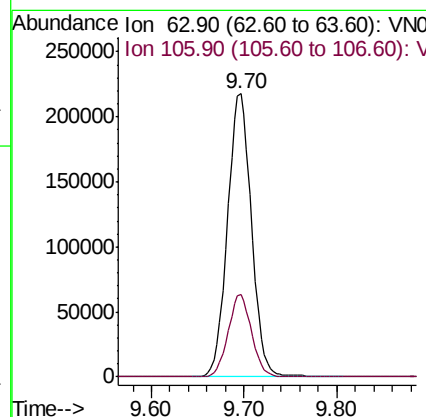
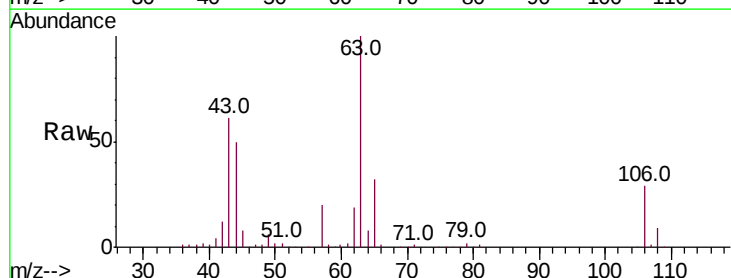
Acq: 8 Jun 2019 4:31

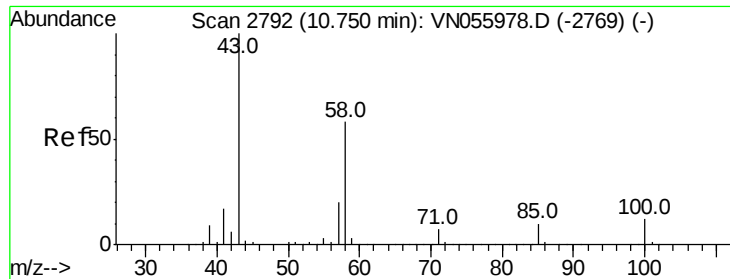
Tgt Ion: 63 Resp: 390083

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1





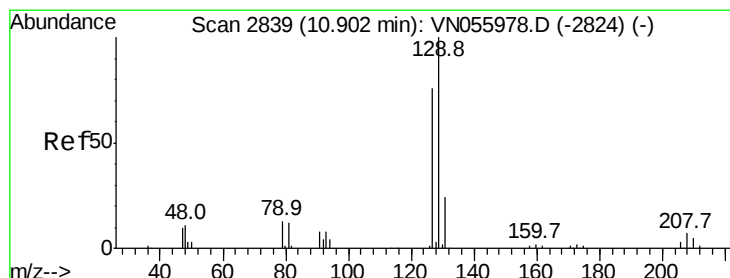
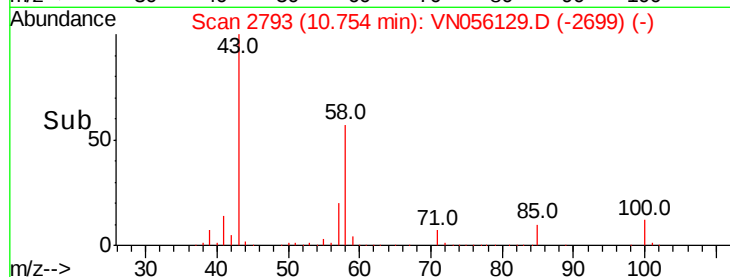
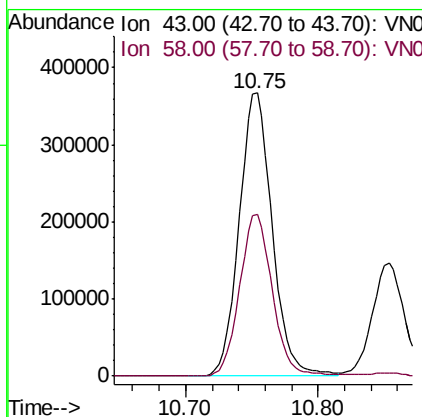
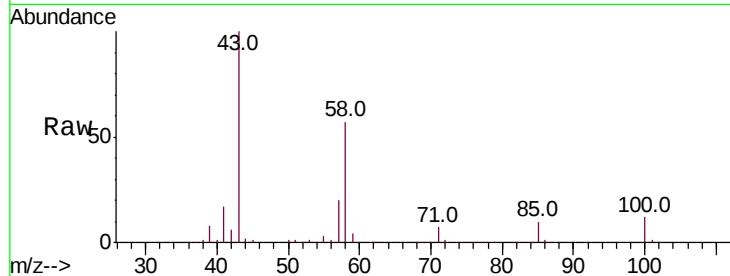
#59
2-Hexanone
Concen: 269.125 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 632653
Ion Ratio Lower Upper
43 100
58 57.2 28.2 84.7

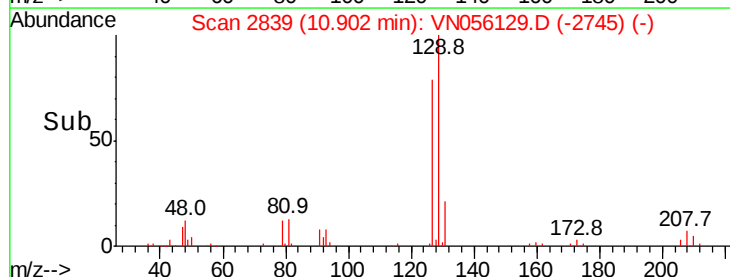
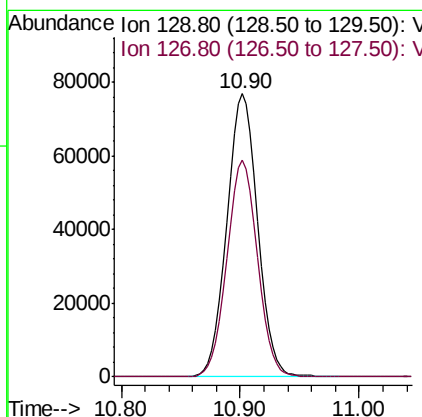
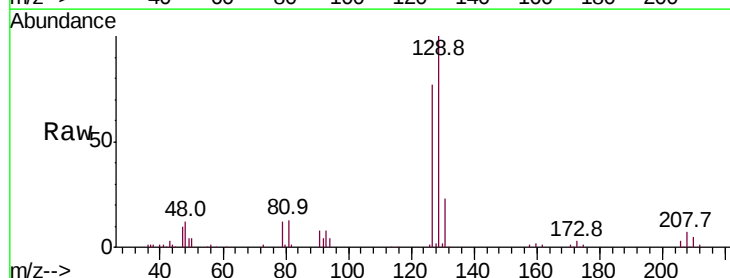
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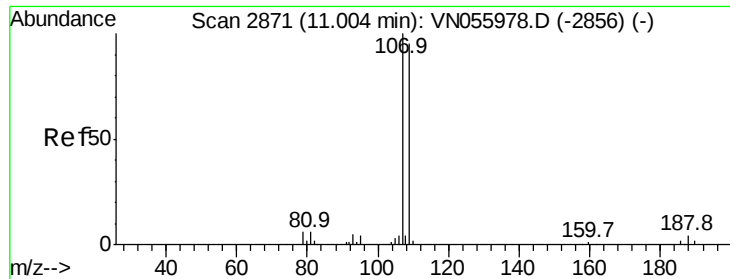
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#60
Dibromochloromethane
Concen: 46.587 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 129 Resp: 137849
Ion Ratio Lower Upper
129 100
127 76.1 38.1 114.3





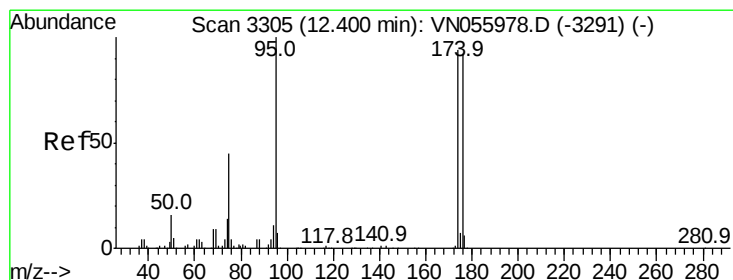
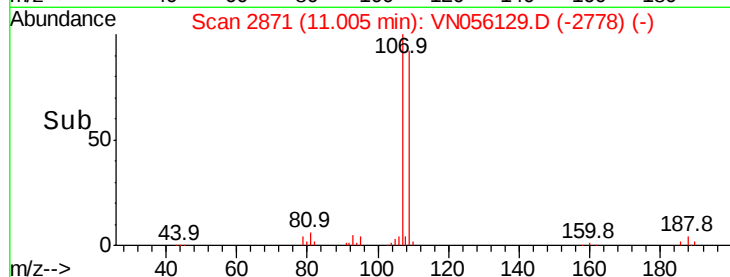
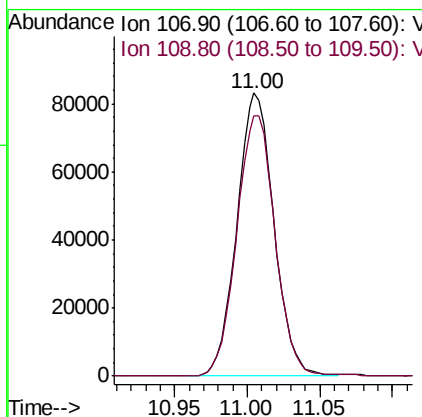
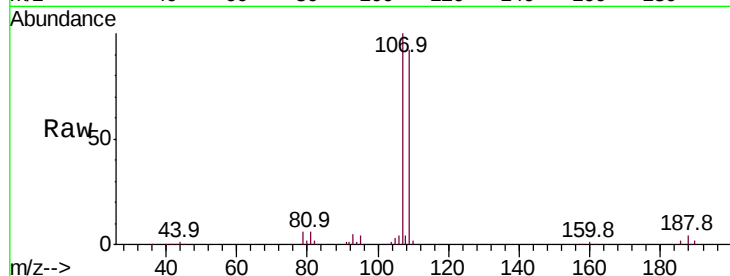
#61
 1,2-Dibromoethane
 Concen: 53.553 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.8	112.2

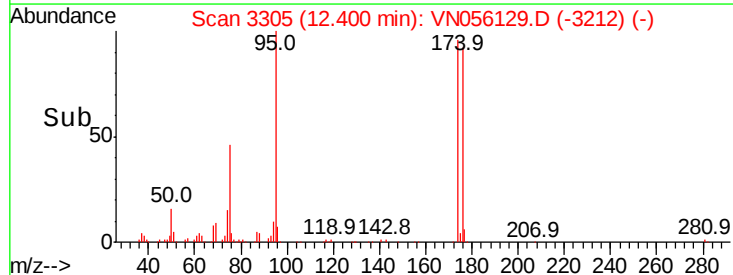
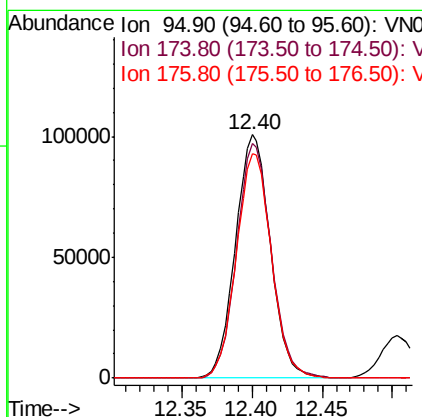
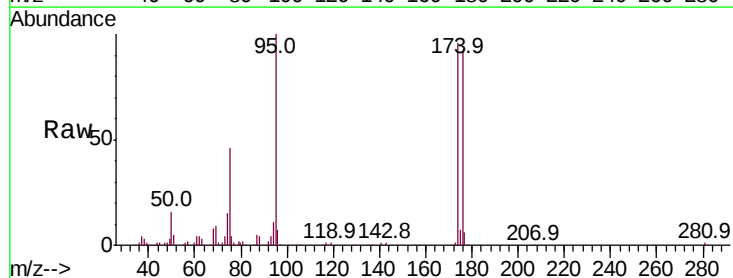
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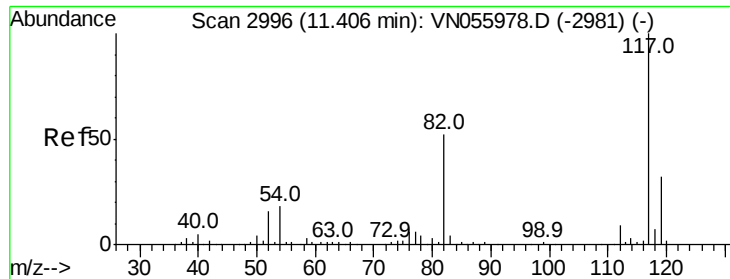
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#62
 4-Bromofluorobenzene
 Concen: 52.010 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.6	0.0	191.0
176	92.9	0.0	185.2





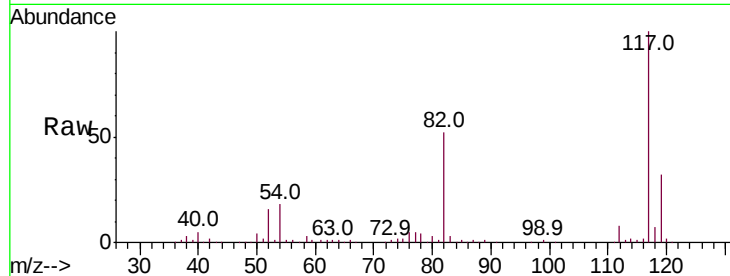
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.8	62.8
119	31.8	25.4	38.0

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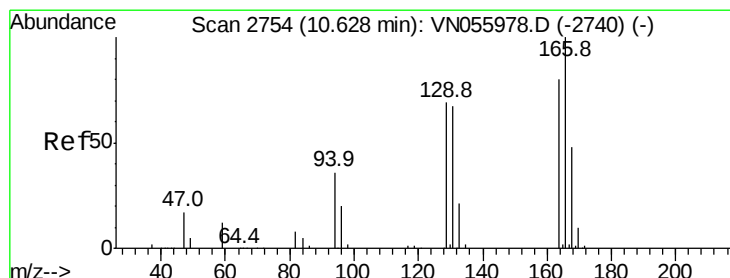
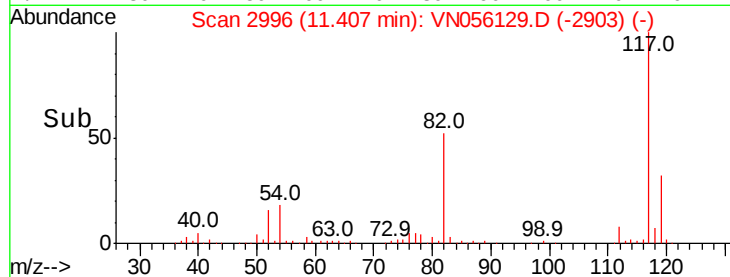
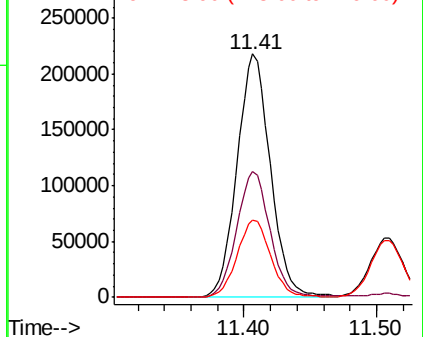


Abundance

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: 51.036 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	103.0	154.6
129	85.7	70.6	105.8
131	82.9	68.6	102.8

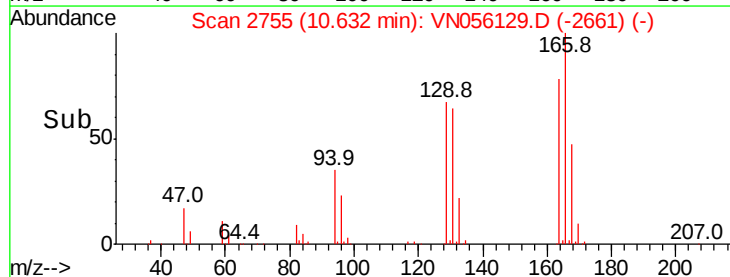
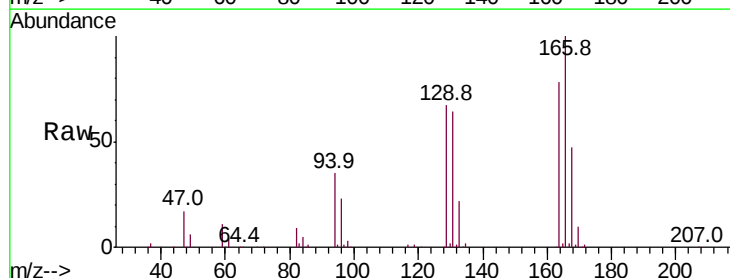
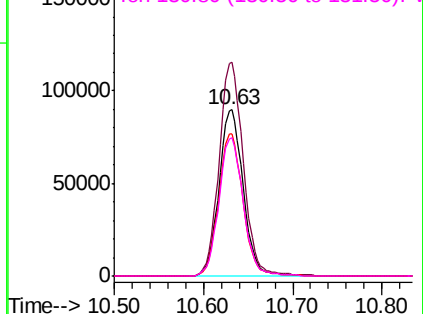
Abundance

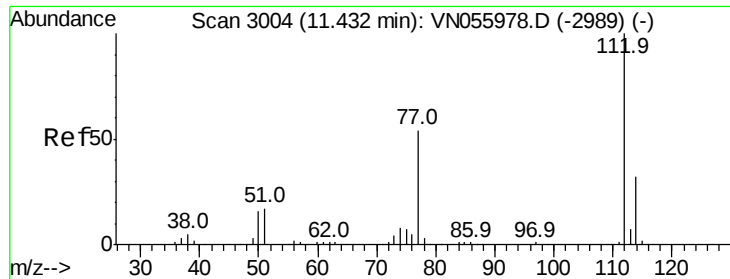
Ion 163.80 (163.50 to 164.50): V

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





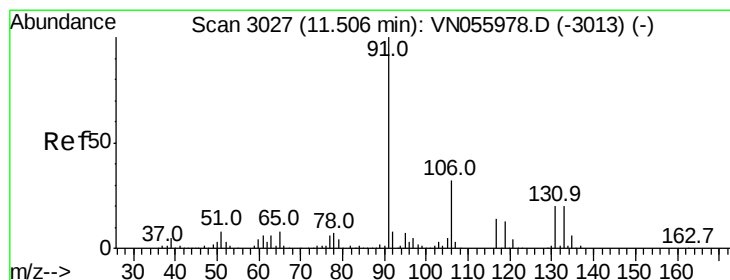
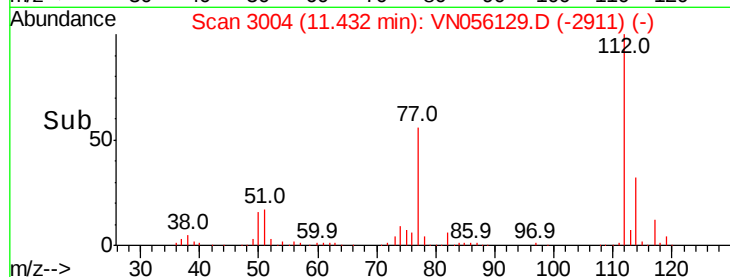
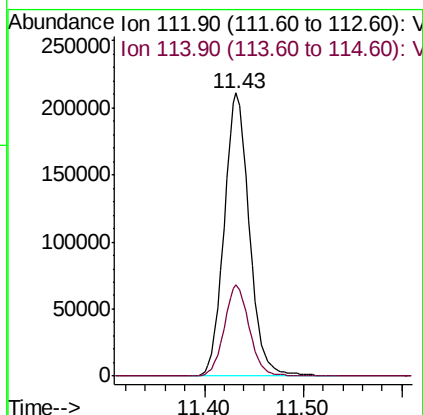
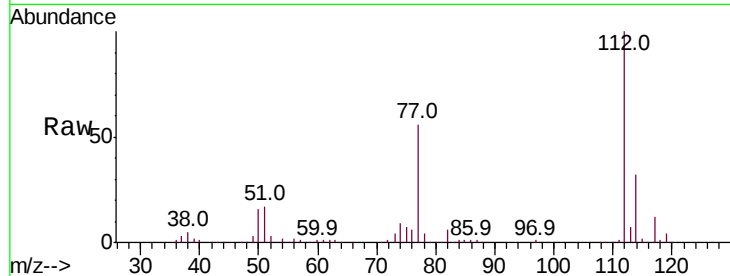
#65
Chlorobenzene
Concen: 49.808 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 377898
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

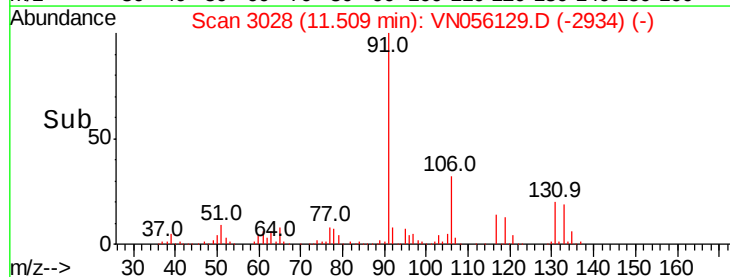
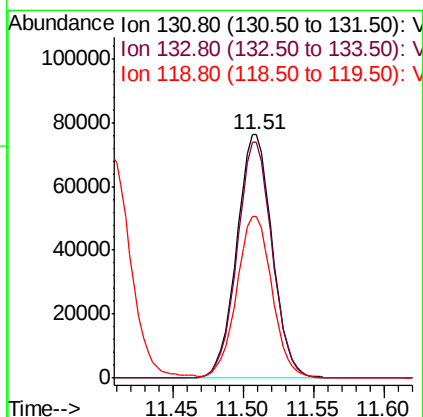
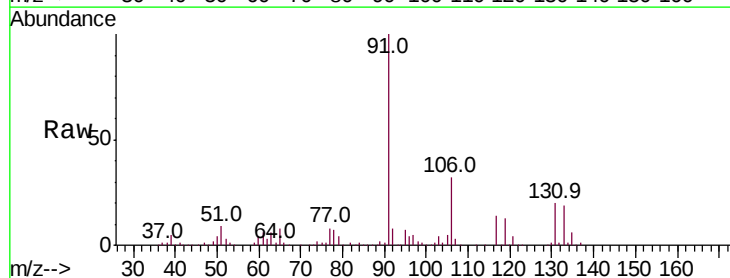
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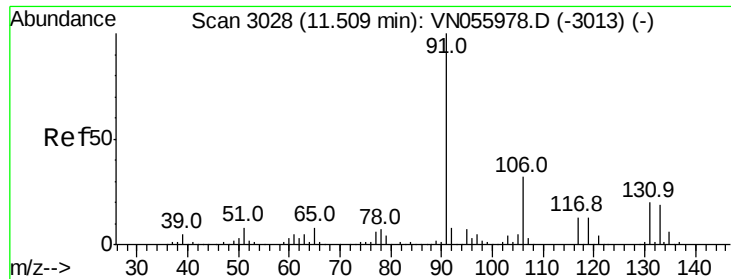
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion:131 Resp: 134468
Ion Ratio Lower Upper
131 100
133 95.8 48.0 144.0
119 66.5 33.1 99.5





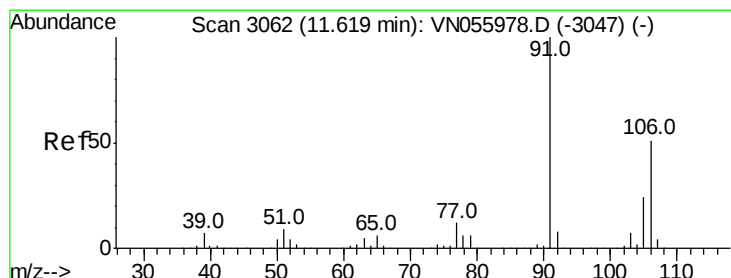
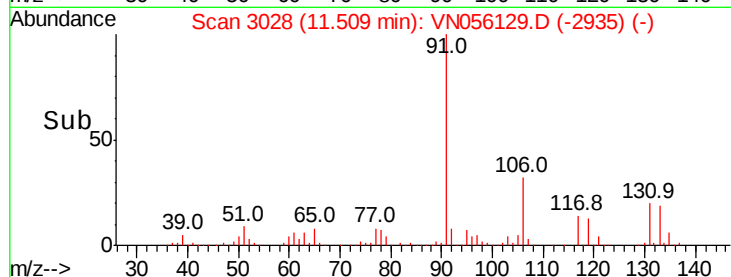
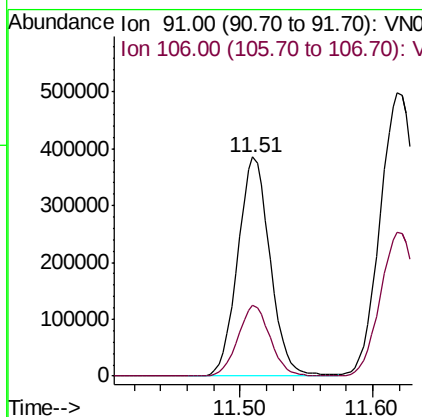
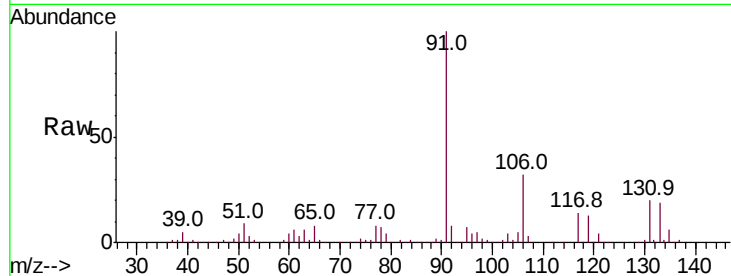
#67
Ethyl Benzene
Concen: 49.531 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 653459
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7

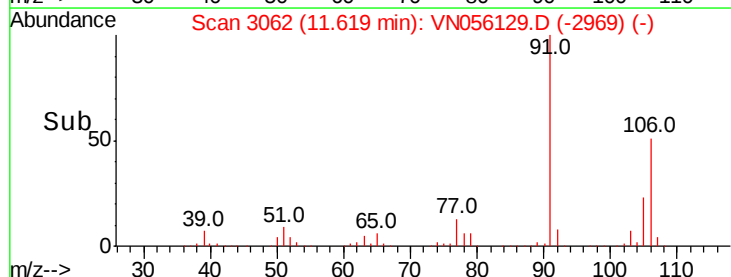
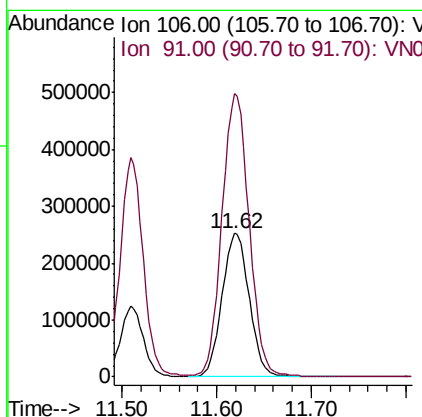
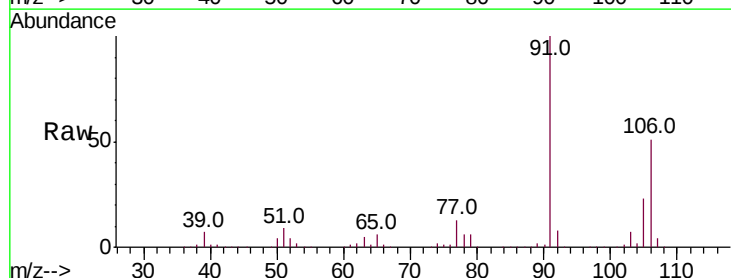
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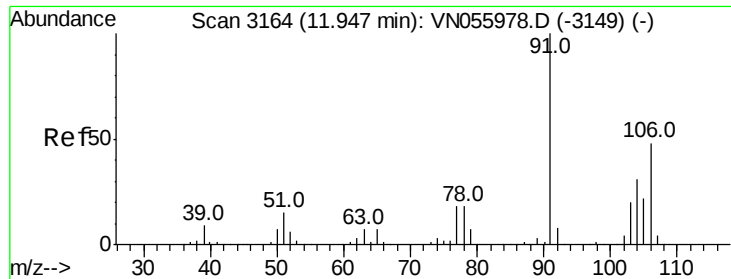
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#68
m/p-Xylenes
Concen: 100.247 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 106 Resp: 505224
Ion Ratio Lower Upper
106 100
91 197.0 159.3 238.9





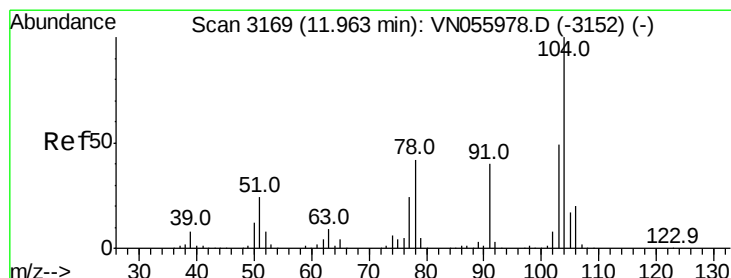
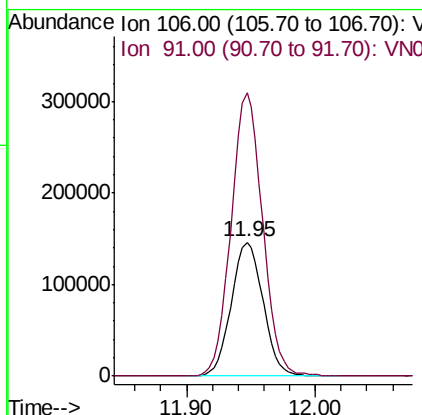
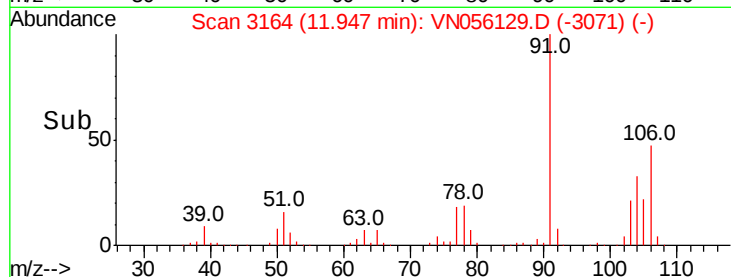
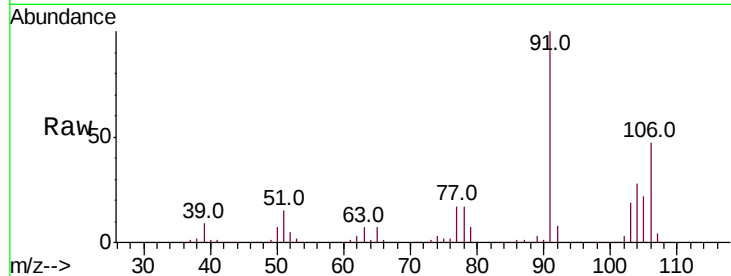
#69
o-Xylene
Concen: 50.586 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 250777
Ion Ratio Lower Upper
106 100
91 208.5 104.7 314.1

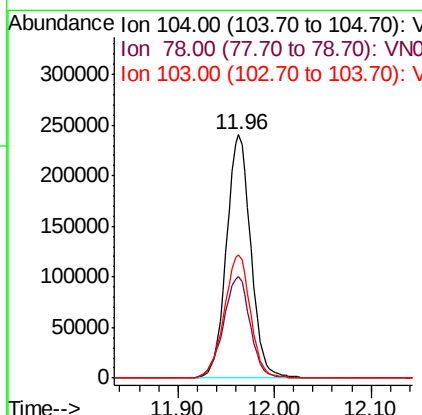
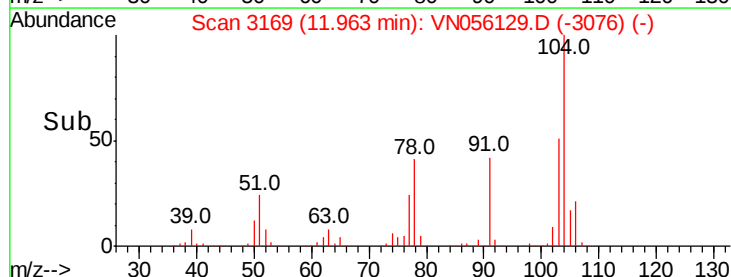
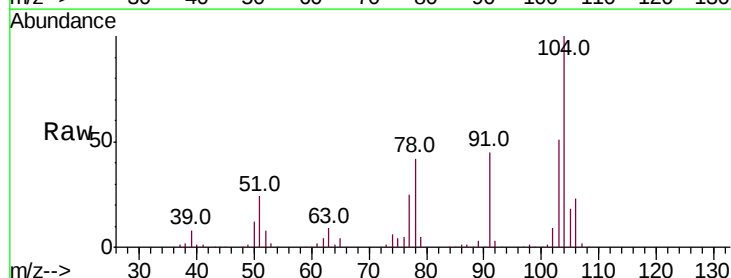
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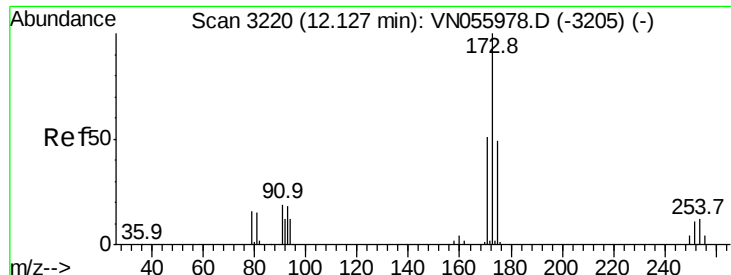
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#70
Styrene
Concen: 53.243 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion:104 Resp: 419377
Ion Ratio Lower Upper
104 100
78 46.0 37.8 56.6
103 54.9 44.2 66.2





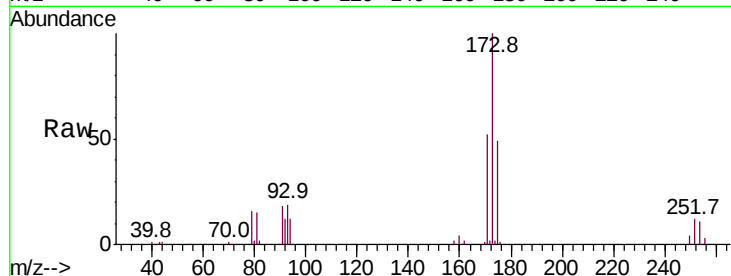
#71
Bromoform
Concen: 44.769 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

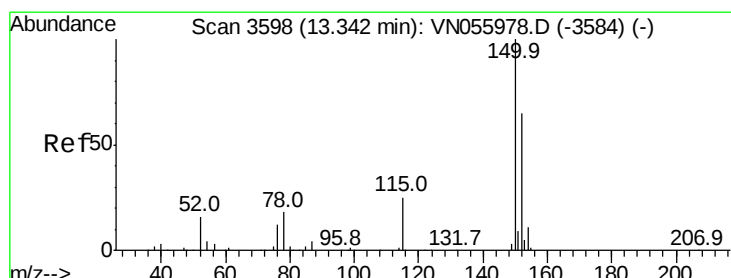
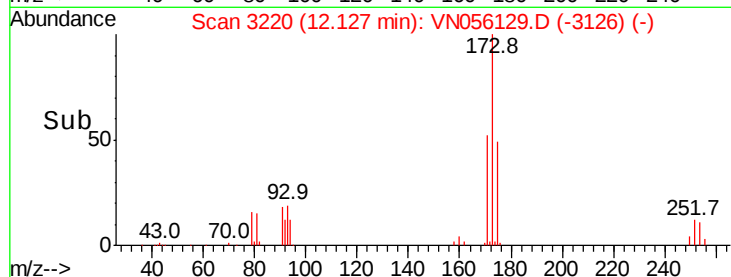
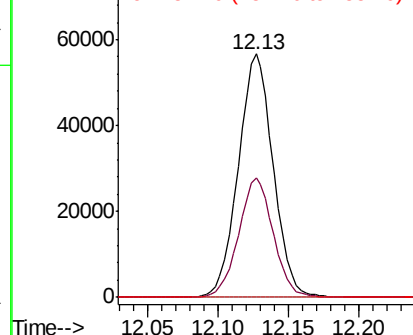
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.3	72.8
254	0.0	0.0	0.0

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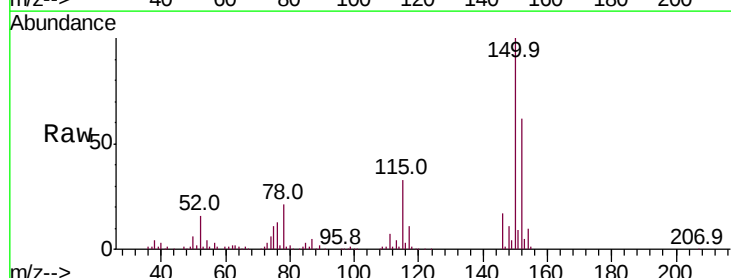


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

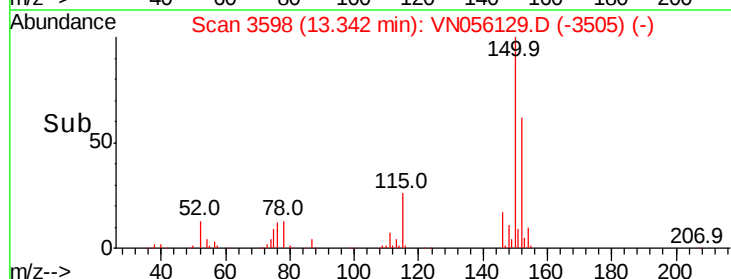
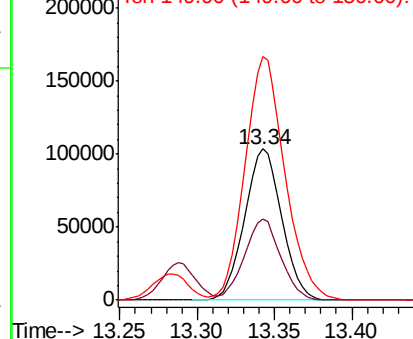


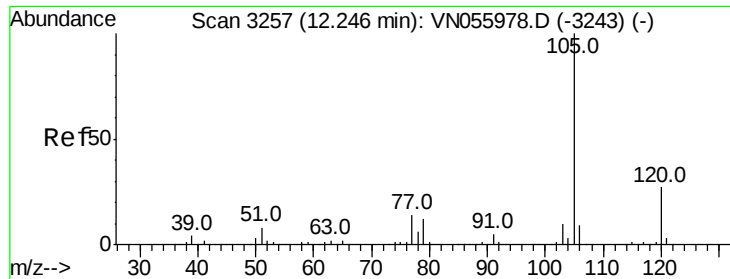
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.5	27.0	81.0
150	173.5	0.0	343.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.961 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 649172

Ion Ratio Lower Upper

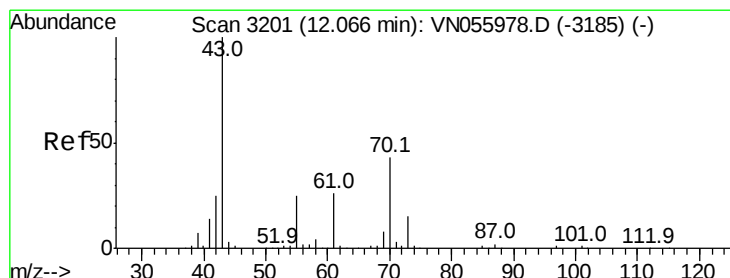
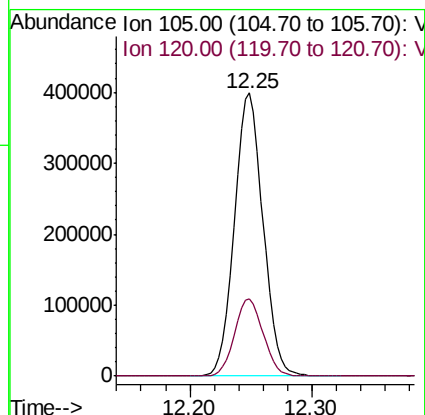
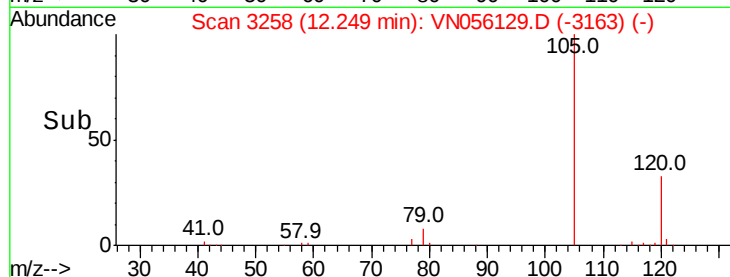
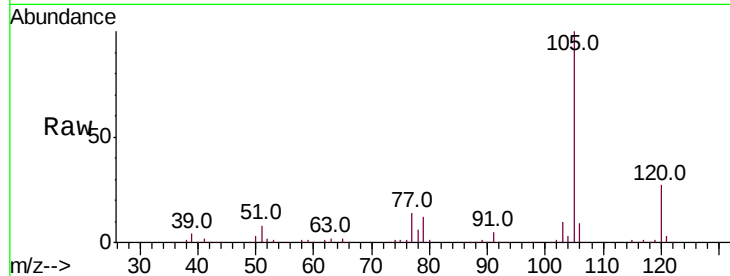
105 100

120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 51.019 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Tgt Ion: 43 Resp: 234504

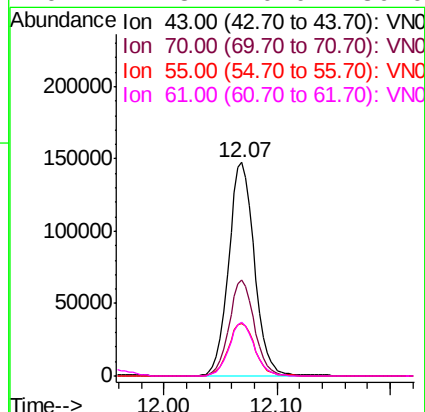
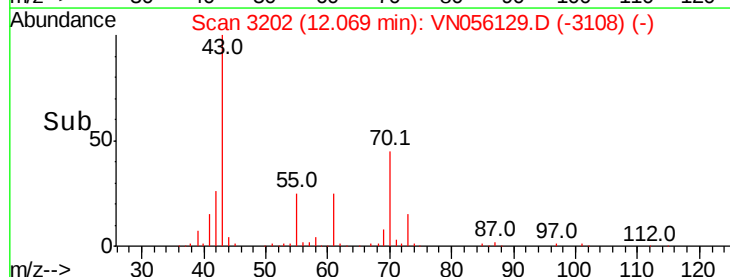
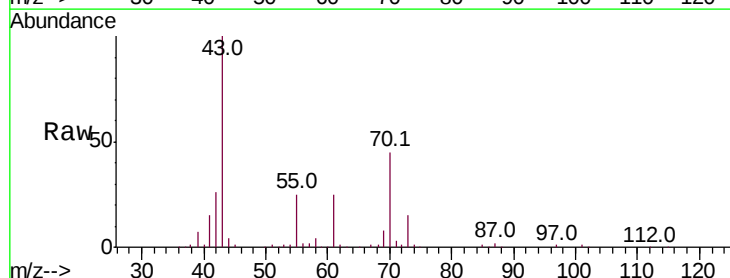
Ion Ratio Lower Upper

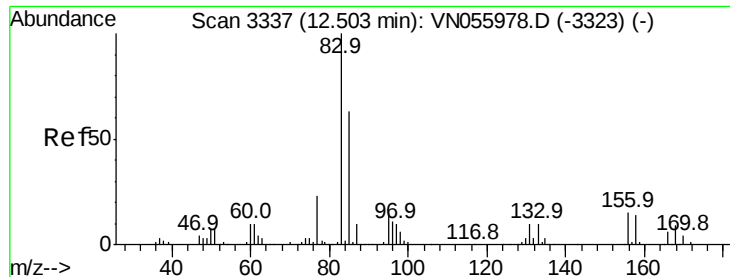
43 100

70 44.0 34.0 51.0

55 25.1 18.6 28.0

61 24.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.742 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

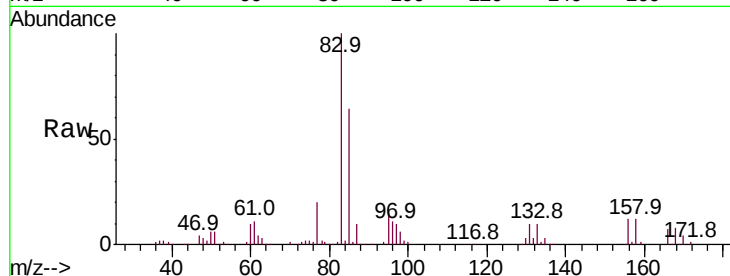
ClientSampleId :

VSTDCCC050

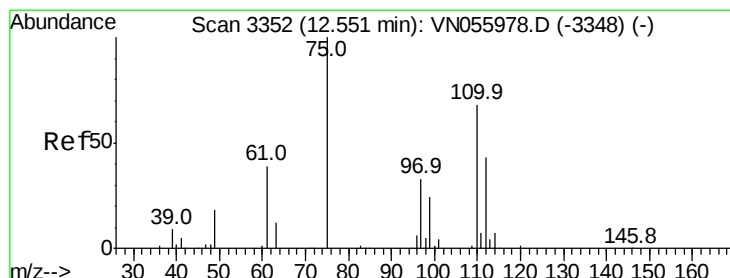
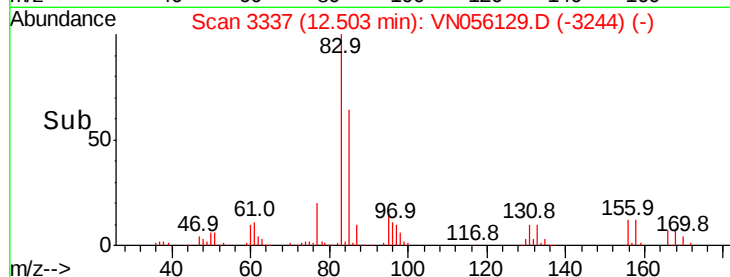
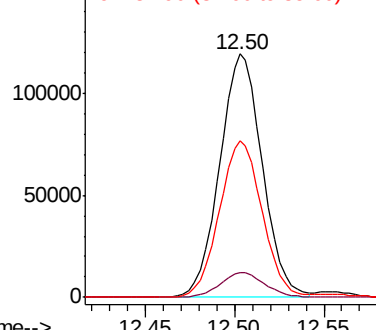
Tot Ion:	83	Resp:	199111
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	64.7	32.4	97.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 49.510 ug/l m

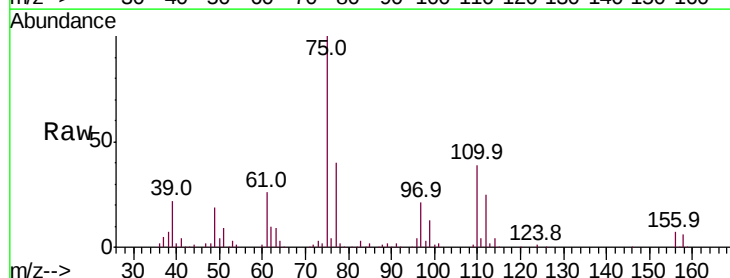
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

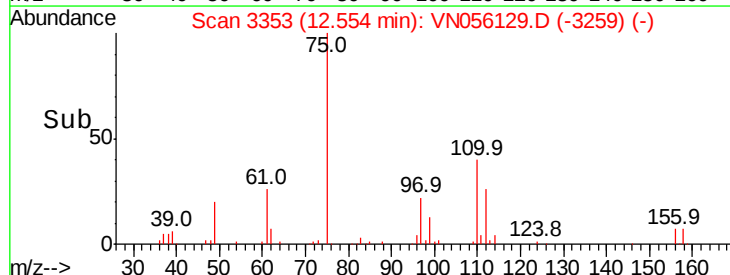
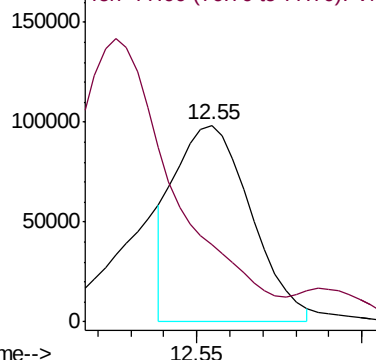
Lab File: VN056129.D

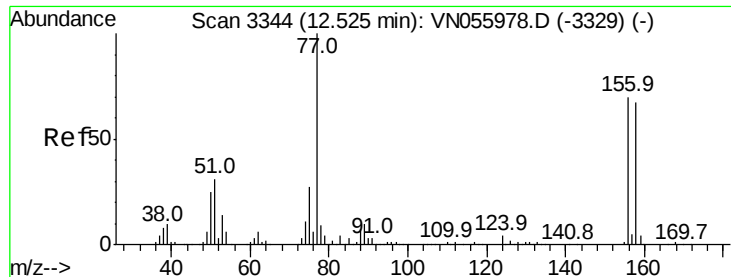
Acq: 8 Jun 2019 4:31

Tgt Ion:	75	Resp:	157087
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 48.535 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

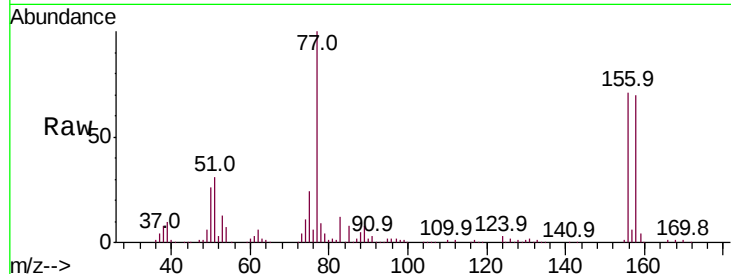
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	179176
Ion Ratio	Lower	Upper	
156	100		
77	171.9	90.8	272.5
158	97.5	49.3	147.8

Manual Integrations
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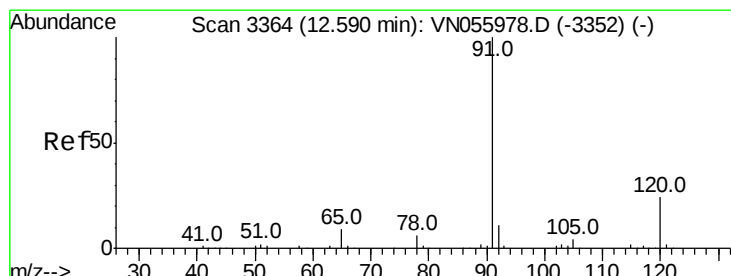
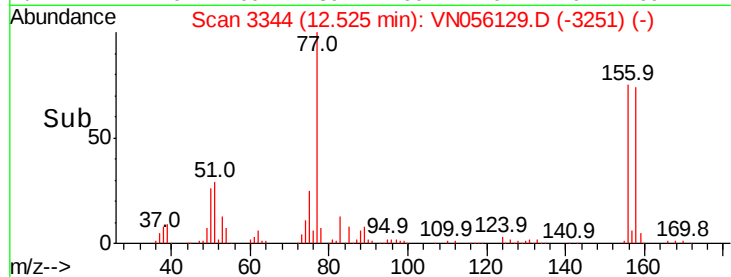
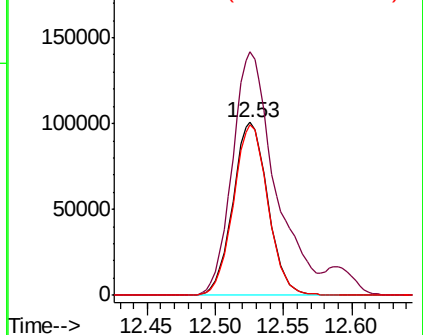
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.808 ug/l

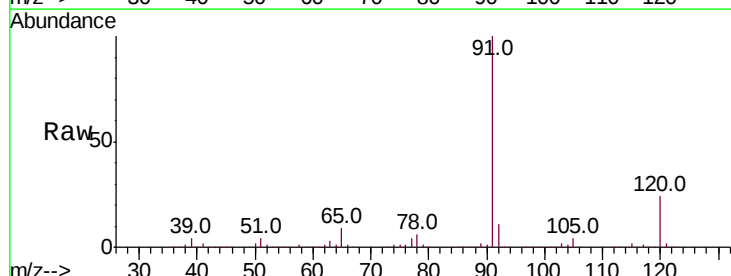
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056129.D

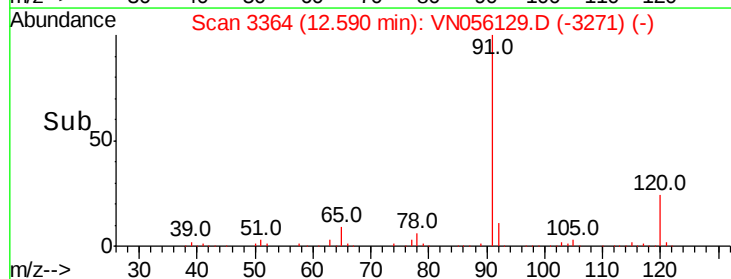
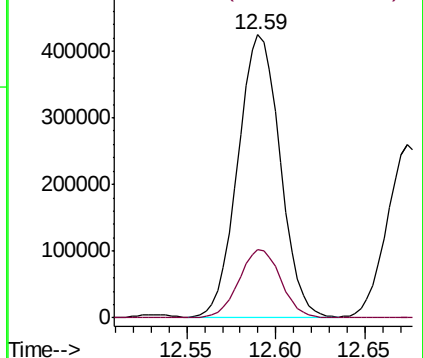
Acq: 8 Jun 2019 4:31

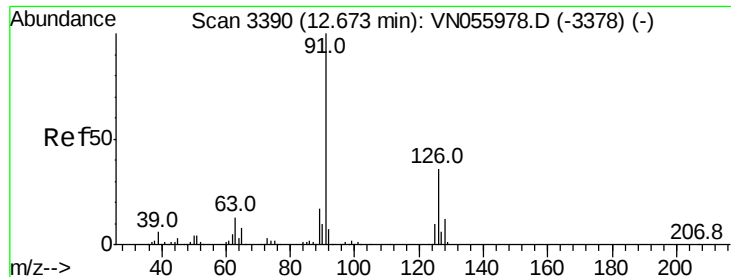
Tgt Ion:	91	Resp:	697403
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.621 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056129.D

Acq: 8 Jun 2019 4:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 432503

Ion Ratio Lower Upper

91 100

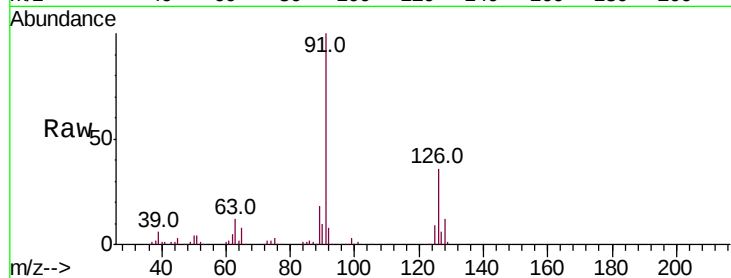
126 36.1 18.1 54.4

Manual Integrations

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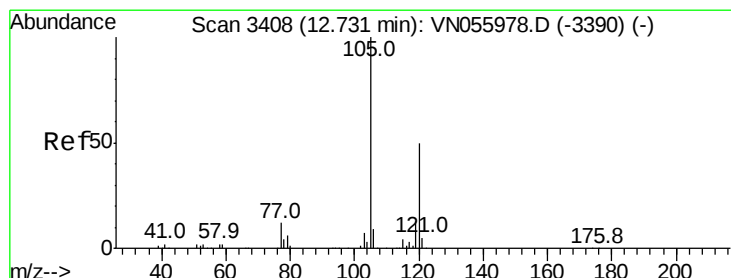
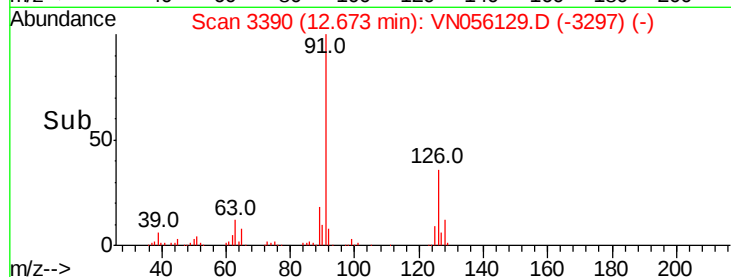
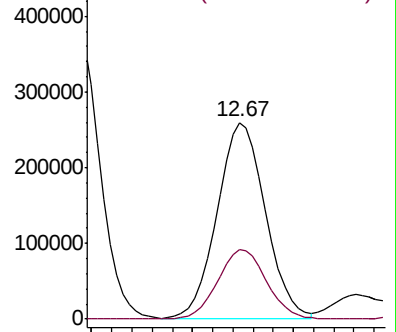
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Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 46.554 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056129.D

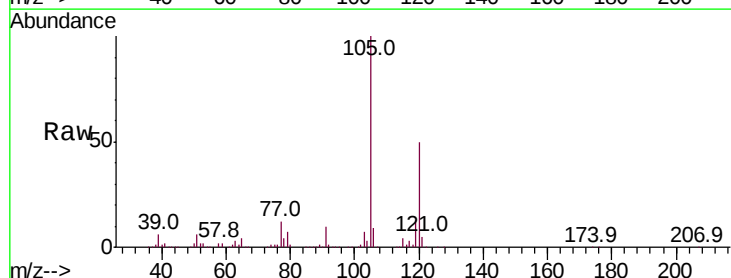
Acq: 8 Jun 2019 4:31

Tgt Ion: 105 Resp: 539726

Ion Ratio Lower Upper

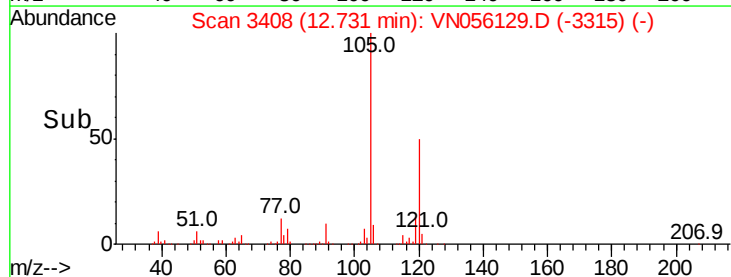
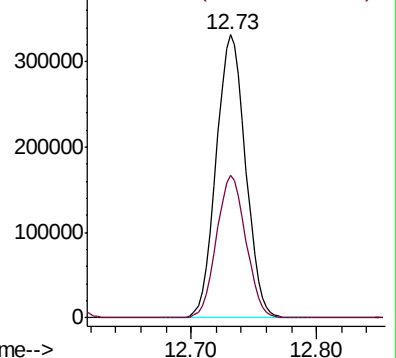
105 100

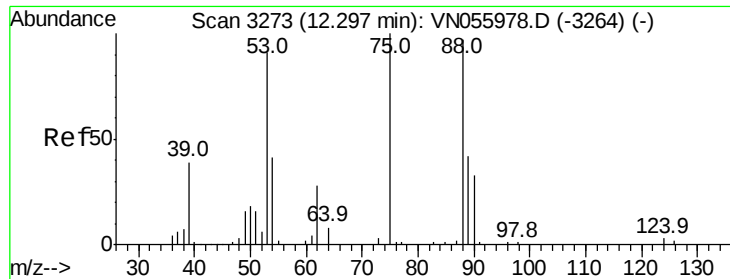
120 50.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





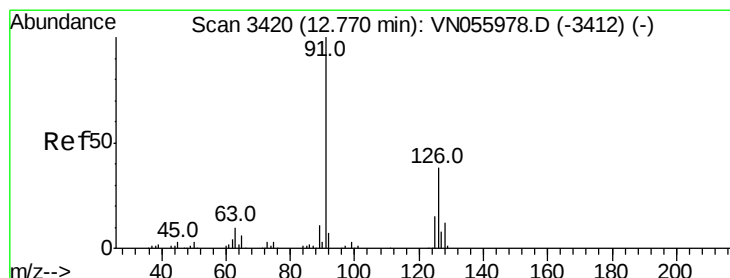
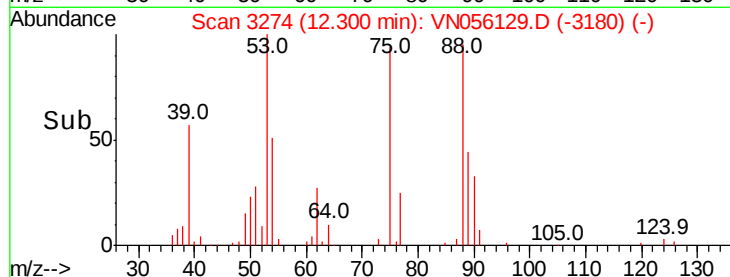
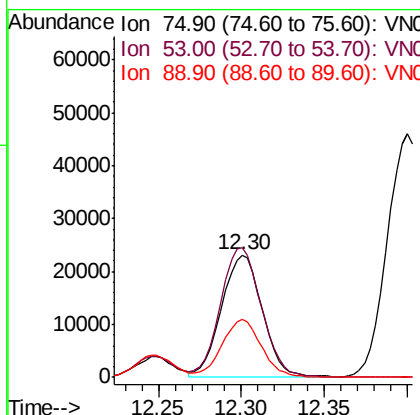
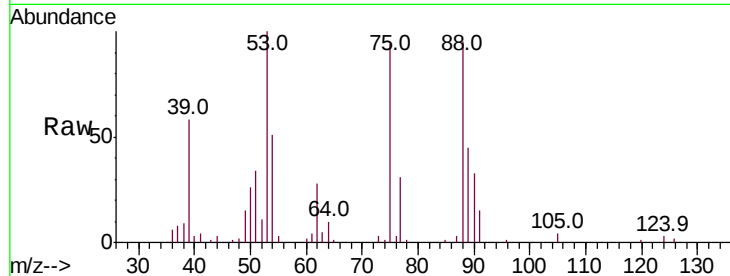
#81
trans-1,4-Dichloro-2-butene
Concen: 41.782 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 39807
Ion Ratio Lower Upper
75 100
53 106.2 68.1 102.1#
89 45.3 36.9 55.3

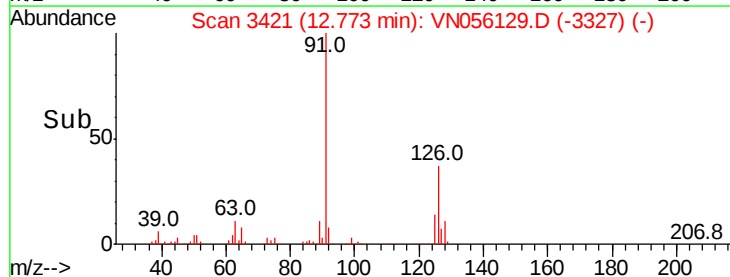
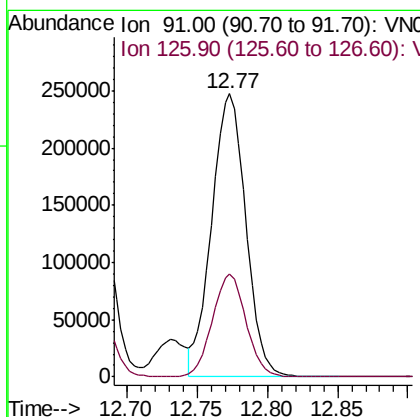
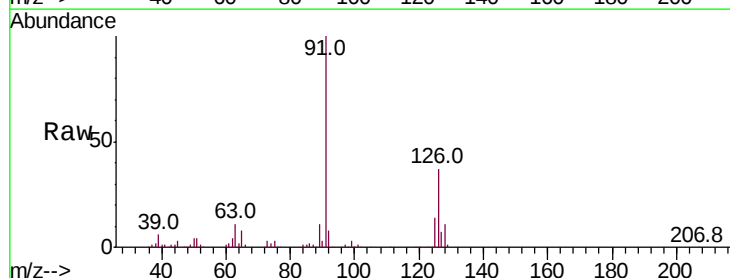
Manual Integrations
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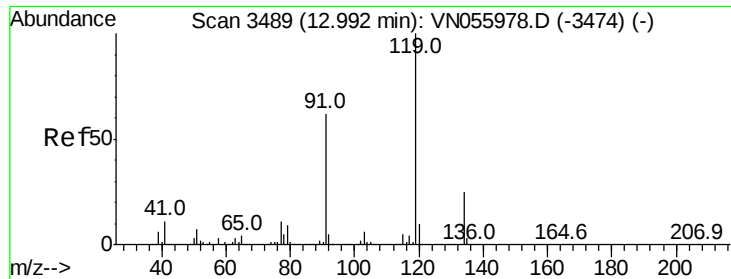
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#82
4-Chlorotoluene
Concen: 48.662 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion: 91 Resp: 415298
Ion Ratio Lower Upper
91 100
126 35.9 17.8 53.3





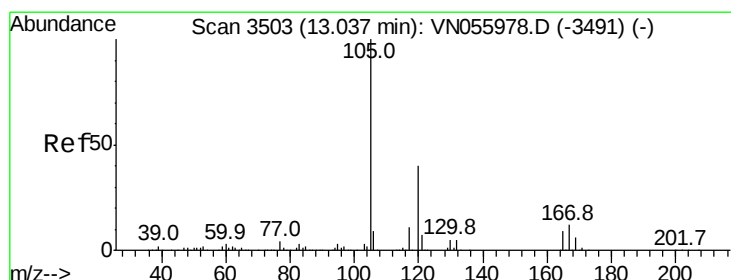
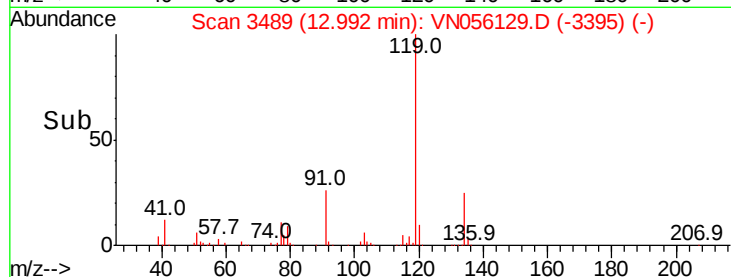
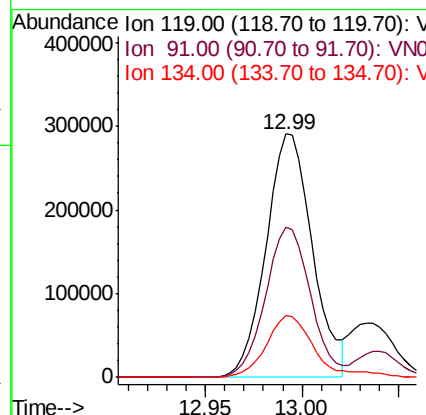
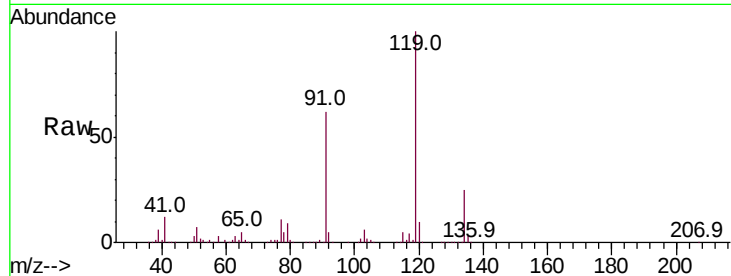
#83
 tert-Butylbenzene
 Concen: 54.171 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	485242		
91	59.7	30.9	92.8	
134	26.4	13.3	39.8	

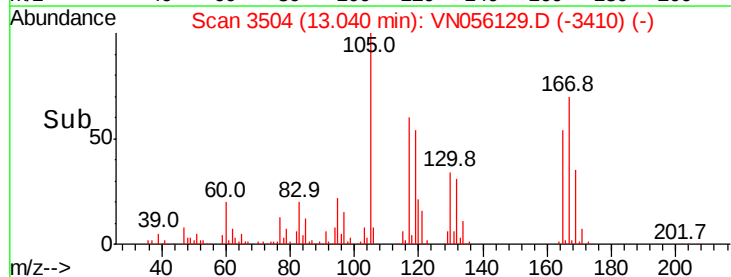
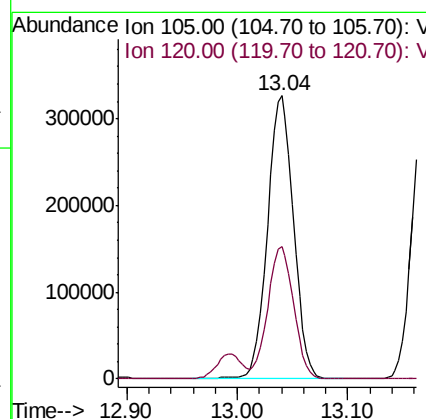
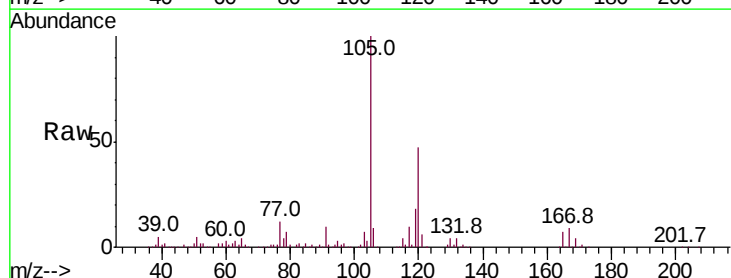
Manual Integrations
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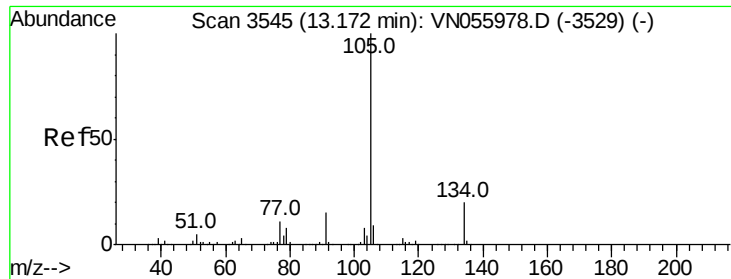
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.558 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	533859		
120	46.5	23.0	69.0	





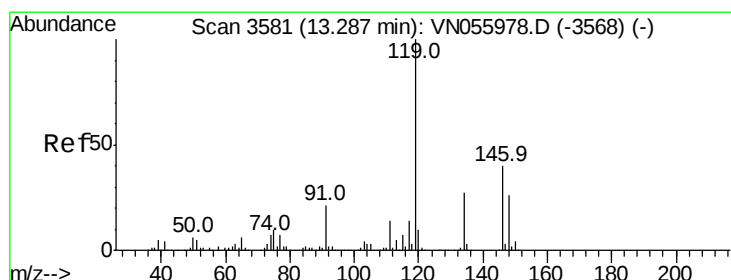
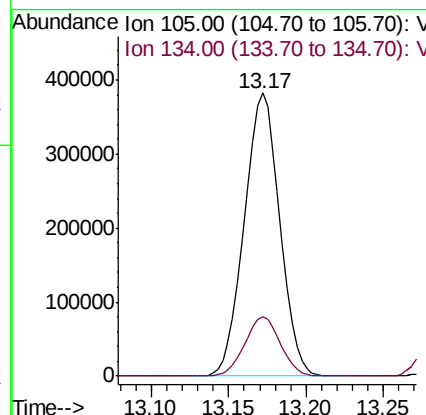
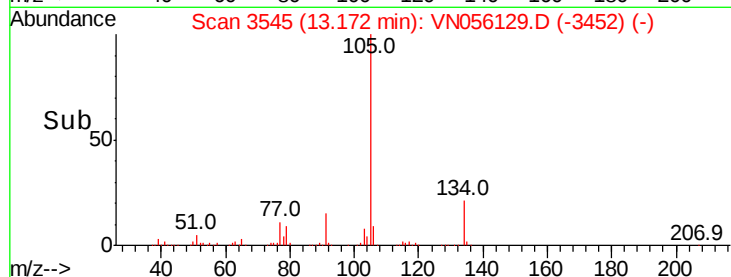
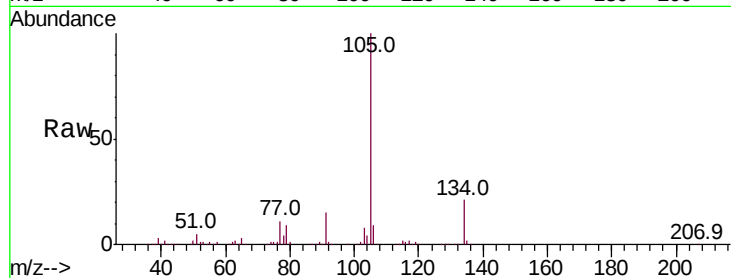
#85
 sec-Butylbenzene
 Concen: 47.238 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.2

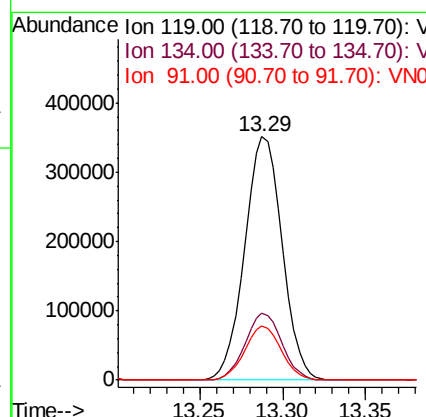
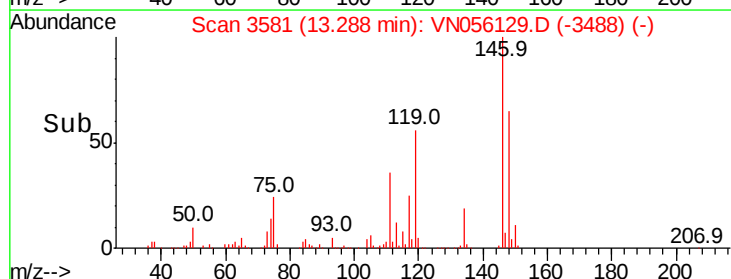
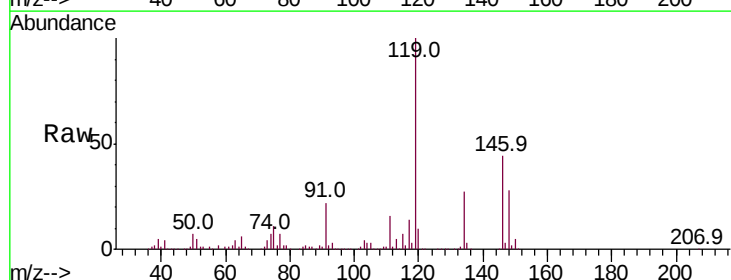
Manual Integrations
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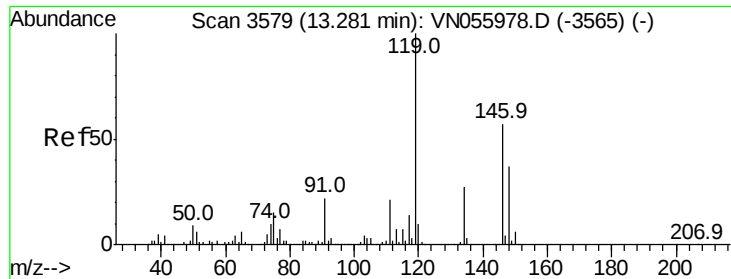
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#86
 p-Isopropyltoluene
 Concen: 47.608 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.4	40.1
91	22.0	10.9	32.9





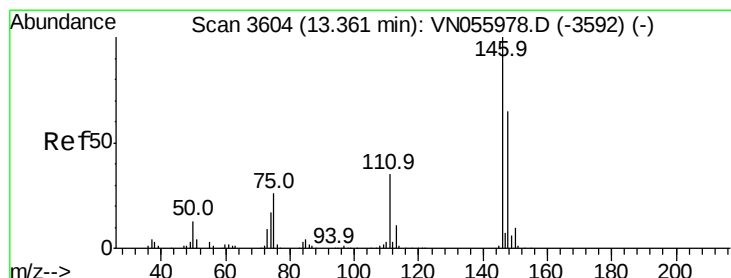
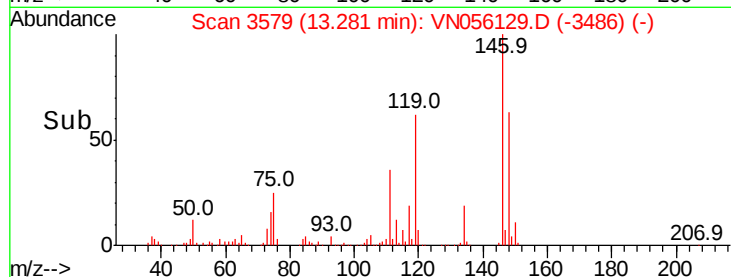
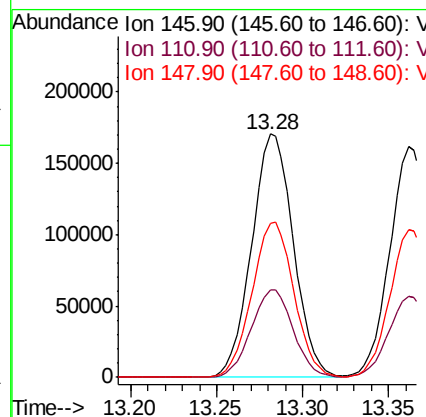
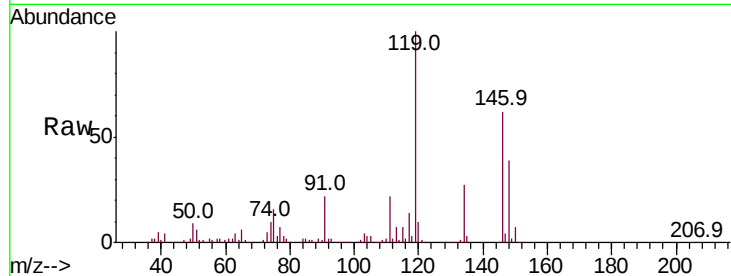
#87
 1,3-Dichlorobenzene
 Concen: 50.185 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	286739		
111	36.1	18.5	55.5	
148	64.0	32.0	96.2	

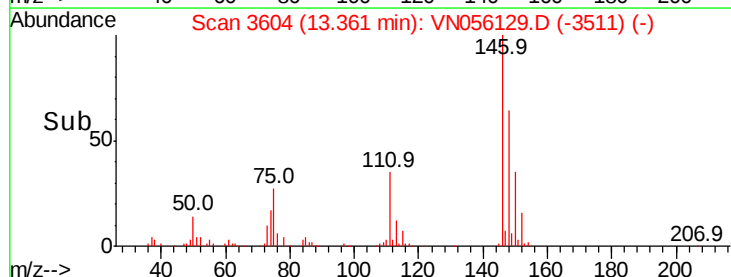
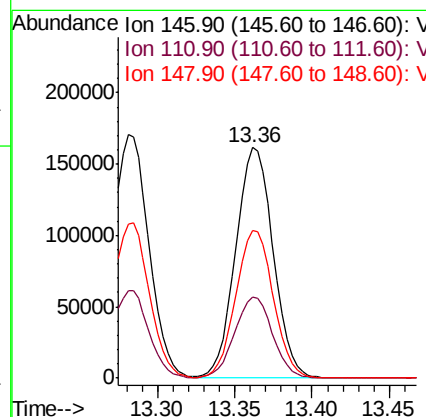
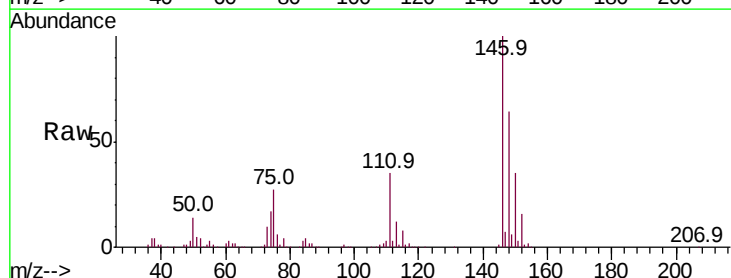
Manual Integrations
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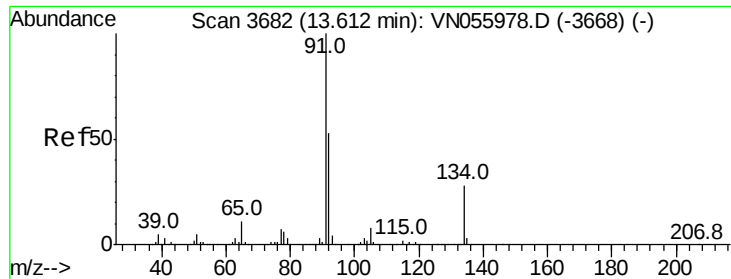
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#88
 1,4-Dichlorobenzene
 Concen: 49.500 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	272067		
111	35.6	18.1	54.4	
148	64.3	32.1	96.5	





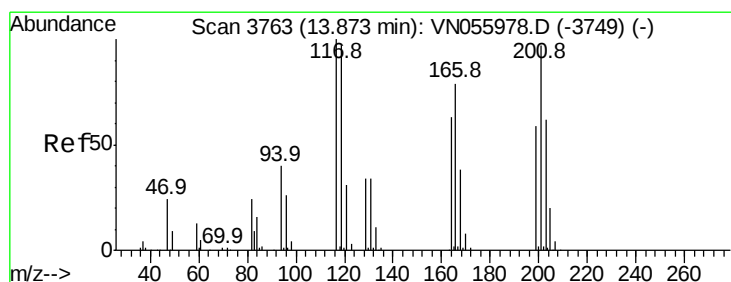
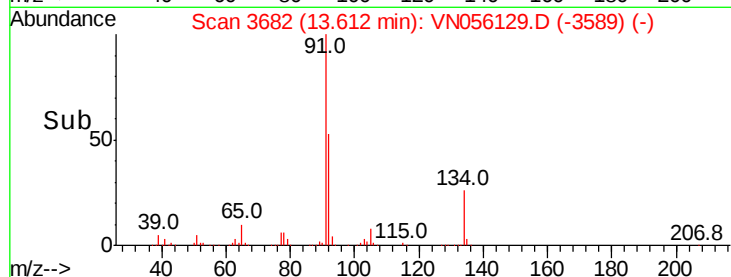
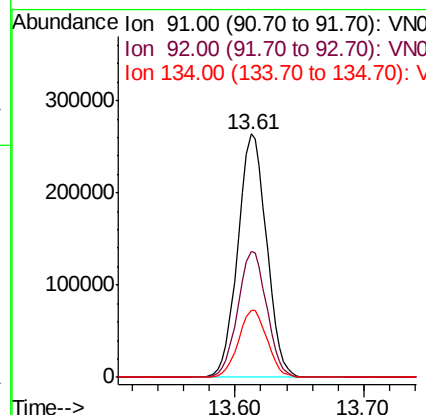
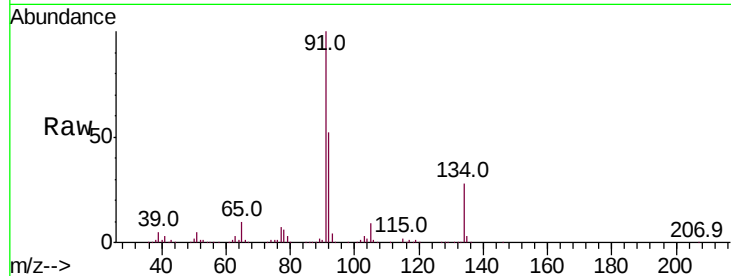
#89
n-Butylbenzene
Concen: 47.707 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.4	79.0
134	27.6	13.9	41.7

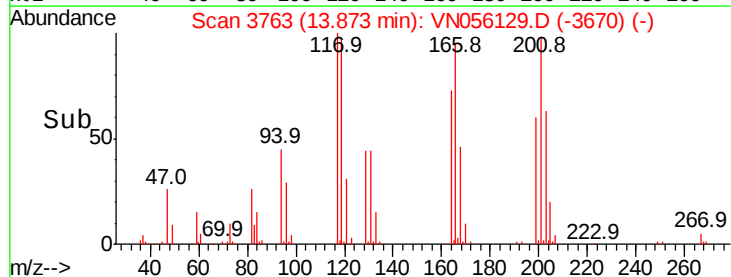
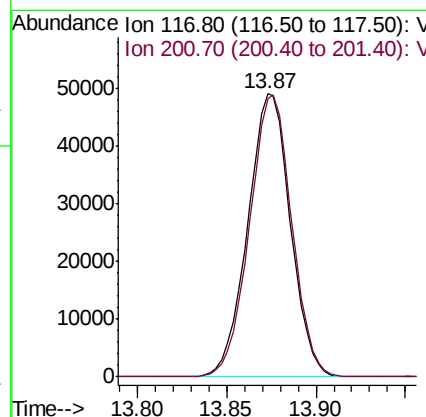
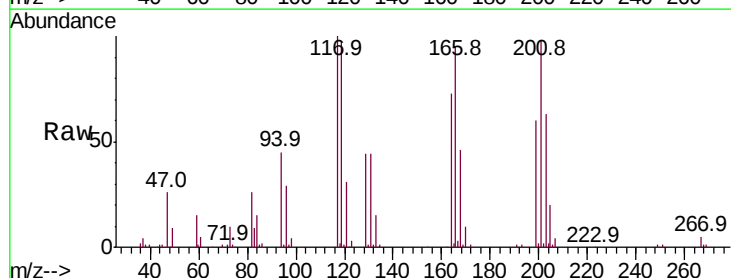
Manual Integrations
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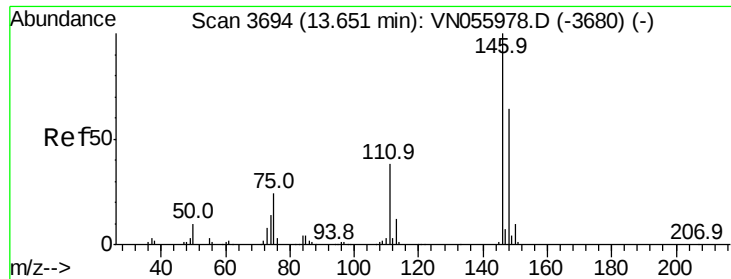
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#90
Hexachloroethane
Concen: 46.847 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.7	50.0	150.0





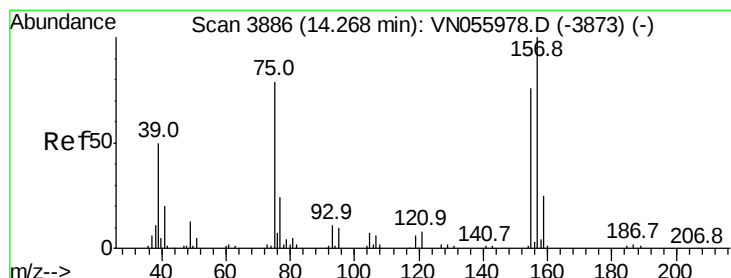
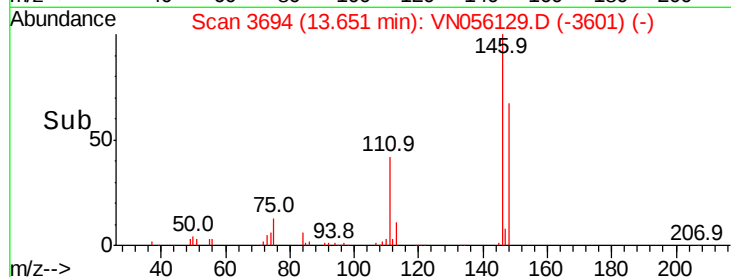
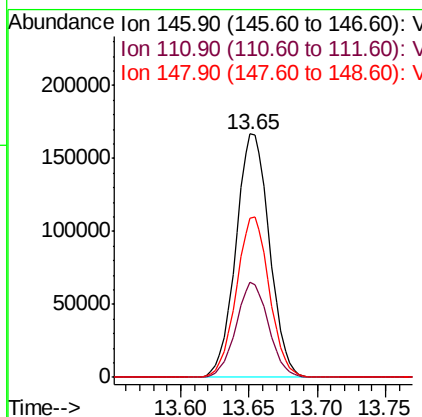
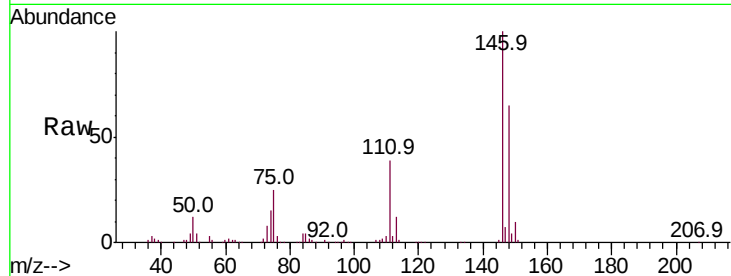
#91
 1,2-Dichlorobenzene
 Concen: 49.359 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.5
148	64.9	31.9	95.9

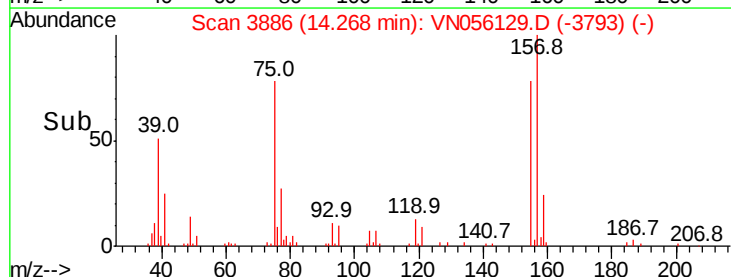
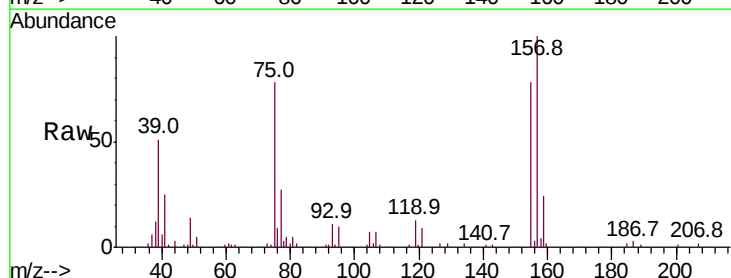
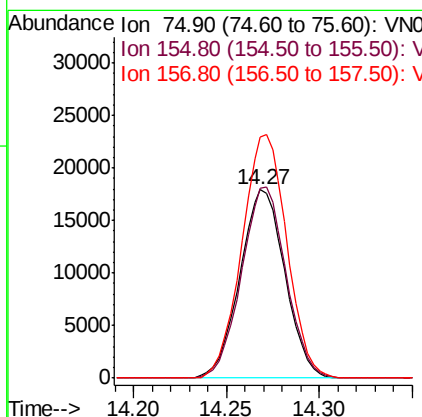
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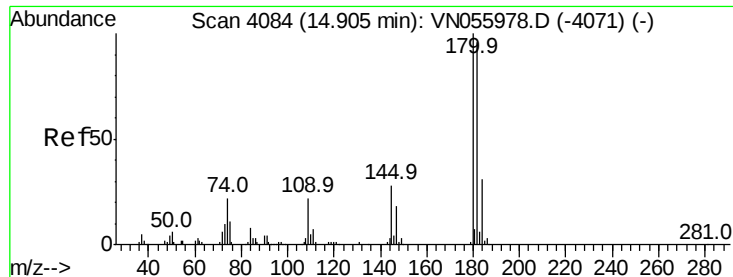
MMDadoda
 6/10/2019 11:25:23 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.973 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	50.0	150.1
157	128.9	64.8	194.3





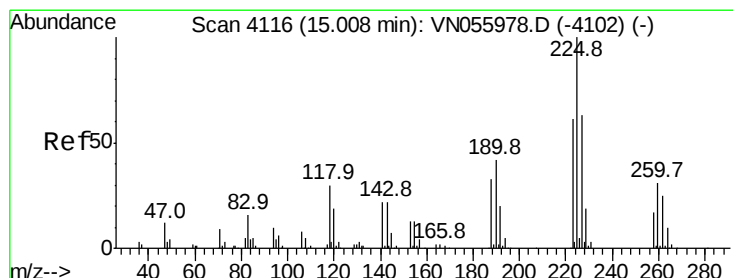
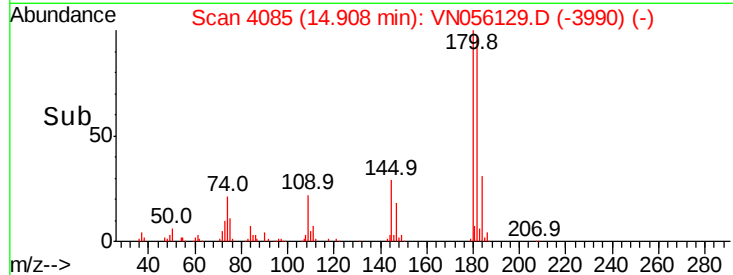
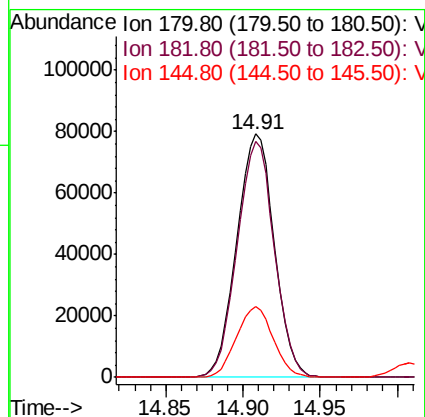
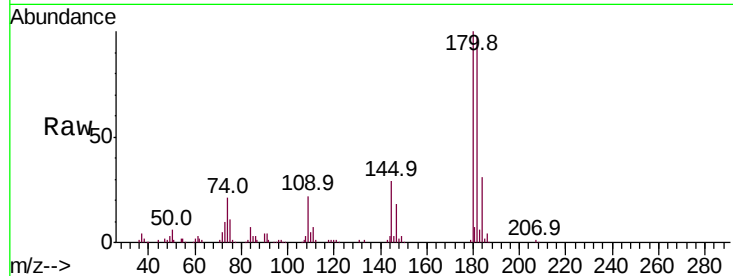
#93
 1,2,4-Trichlorobenzene
 Concen: 42.686 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	133524
Ion Ratio	Lower	Upper	
180	100		
182	95.9	48.3	144.9
145	28.3	14.0	41.9

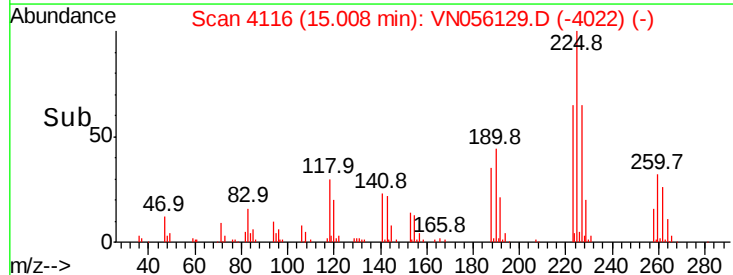
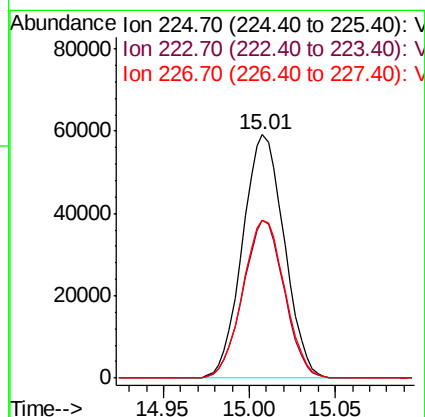
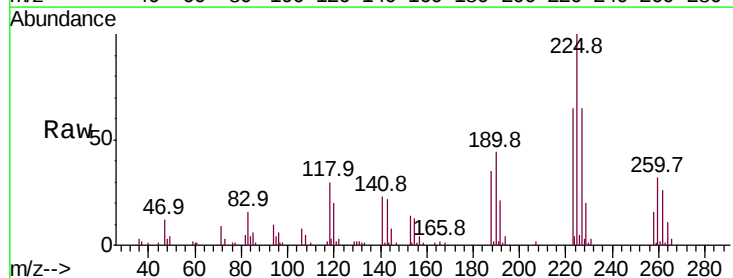
Manual Integrations
 APPROVED

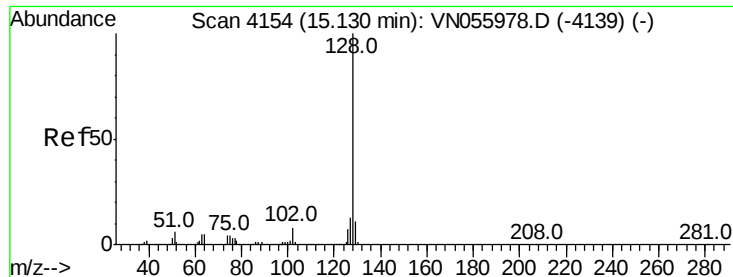
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 6/10/2019 11:25:23 AM



#94
 Hexachlorobutadiene
 Concen: 50.236 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056129.D
 Acq: 8 Jun 2019 4:31

Tgt Ion:	225	Resp:	99374
Ion Ratio	Lower	Upper	
225	100		
223	64.0	30.9	92.7
227	65.5	31.6	94.7





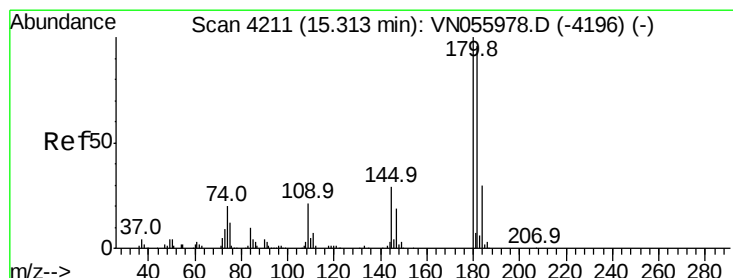
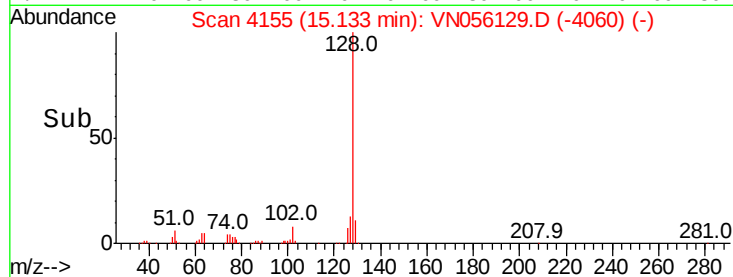
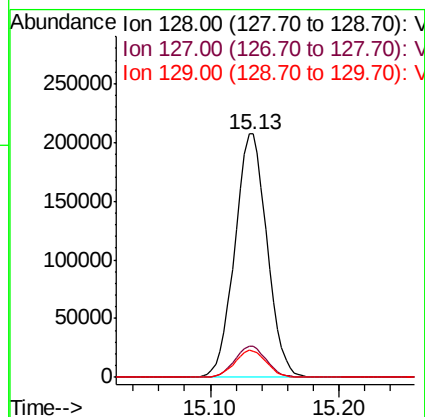
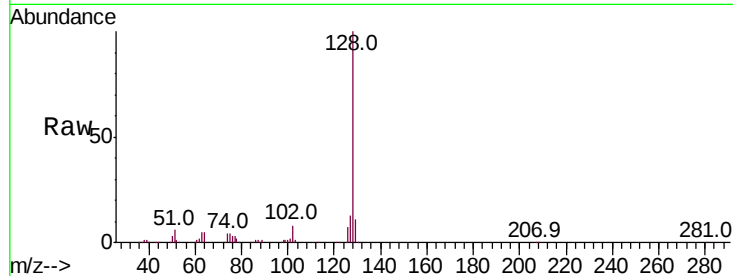
#95
Naphthalene
Concen: 44.015 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	358889		
127	12.7	10.3	15.5	
129	10.9	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 46.123 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056129.D
Acq: 8 Jun 2019 4:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	148613		
182	94.1	47.9	143.7	
145	29.3	14.9	44.7	

