

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054685.D
 Acq On : 26 Mar 2019 9:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 9:10:04 AM

Quant Time: Mar 27 04:12:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	424254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	675420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	601084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	274740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	270918	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	
35) Dibromofluoromethane	7.59	113	217758	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
50) Toluene-d8	10.09	98	816857	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	287398	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	215858	53.223	ug/l	100
3) Chloromethane	2.06	50	283132	51.309	ug/l	100
4) Vinyl Chloride	2.19	62	264420	47.727	ug/l	100
5) Bromomethane	2.57	94	148578	41.474	ug/l	99
6) Chloroethane	2.71	64	147189	44.293	ug/l	98
7) Trichlorofluoromethane	3.02	101	337592	50.176	ug/l	100
8) Diethyl Ether	3.41	74	108070	41.764	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	182532	46.162	ug/l	94
10) Methyl Iodide	3.94	142	252117	43.344	ug/l #	88
11) Tert butyl alcohol	4.81	59	70204	219.742	ug/l	100
12) 1,1-Dichloroethene	3.73	96	170500	41.666	ug/l #	75
13) Acrolein	3.61	56	130580	296.173	ug/l	96
14) Allyl chloride	4.32	41	410586	53.284	ug/l #	91
15) Acrylonitrile	4.99	53	420119	264.060	ug/l	99
16) Acetone	3.82	43	446038	281.138	ug/l #	83
17) Carbon Disulfide	4.04	76	504603	46.022	ug/l	100
18) Methyl Acetate	4.33	43	187067	52.900	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	601029	50.327	ug/l	94
20) Methylene Chloride	4.54	84	232600	49.735	ug/l #	80
21) trans-1,2-Dichloroethene	5.03	96	213754	51.156	ug/l #	81
22) Diisopropyl ether	5.96	45	848972	55.856	ug/l #	93
23) Vinyl Acetate	5.90	43	2989834	278.519	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	443348	54.174	ug/l	98
25) 2-Butanone	6.84	43	591848	291.212	ug/l #	87
26) 2,2-Dichloropropane	6.82	77	322046	55.204	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	249862	50.133	ug/l	85
28) Bromochloromethane	7.19	49	225789	56.052	ug/l #	72
29) Tetrahydrofuran	7.22	42	347214	263.266	ug/l #	84
30) Chloroform	7.37	83	430479	53.900	ug/l	98
31) Cyclohexane	7.65	56	416671	53.256	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	358728	54.443	ug/l	95
36) 1,1-Dichloropropene	7.79	75	323054	51.155	ug/l	96
37) Ethyl Acetate	6.93	43	235949	52.531	ug/l	95
38) Carbon Tetrachloride	7.77	117	315725	51.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	369449	51.142	ug/l	90
40) Benzene	8.04	78	939062	52.000	ug/l	99
41) Methacrylonitrile	7.17	41	142875	52.159	ug/l #	88
42) 1,2-Dichloroethane	8.12	62	343685	52.259	ug/l	97
43) Isopropyl Acetate	8.17	43	406774	53.624	ug/l #	93
44) Trichloroethene	8.83	130	246369	49.071	ug/l	91
45) 1,2-Dichloropropane	9.12	63	270112	55.703	ug/l	100
46) Dibromomethane	9.21	93	154105	53.270	ug/l	87
47) Bromodichloromethane	9.40	83	327278	54.512	ug/l	99
48) Methyl methacrylate	9.20	41	209525	50.890	ug/l #	87
49) 1,4-Dioxane	9.20	88	43720	949.851	ug/l #	84
51) 4-Methyl-2-Pentanone	9.99	43	1138280	270.760	ug/l	92
52) Toluene	10.15	92	569657	51.288	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	316507	49.976	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	380379	55.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	204919	51.325	ug/l	95
56) Ethyl methacrylate	10.43	69	273526	51.042	ug/l #	81
57) 1,3-Dichloropropane	10.71	76	367106	52.895	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	522011	236.564	ug/l	89
59) 2-Hexanone	10.75	43	754274	274.679	ug/l	92
60) Dibromochloromethane	10.90	129	231355	54.456	ug/l	99
61) 1,2-Dibromoethane	11.00	107	204117	51.713	ug/l	99
64) Tetrachloroethene	10.63	164	243256	48.790	ug/l	96
65) Chlorobenzene	11.43	112	612242	50.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232744	53.040	ug/l	98
67) Ethyl Benzene	11.51	91	1103585	51.103	ug/l	98
68) m/p-Xylenes	11.62	106	833666	101.918	ug/l	95
69) o-Xylene	11.95	106	403327	50.490	ug/l	97
70) Styrene	11.96	104	676465	52.146	ug/l	97
71) Bromoform	12.13	173	139797	46.379	ug/l #	100
73) Isopropylbenzene	12.25	105	1073576	48.492	ug/l	98
74) N-amyl acetate	12.07	43	341662	53.672	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	251884	49.840	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	209518m	48.058	ug/l	
77) Bromobenzene	12.53	156	261705	47.662	ug/l	86
78) n-propylbenzene	12.59	91	1230164	51.242	ug/l	96
79) 2-Chlorotoluene	12.67	91	733475	48.995	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	906619	49.966	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	57641	45.859	ug/l #	80
82) 4-Chlorotoluene	12.77	91	741889	51.126	ug/l	96
83) tert-Butylbenzene	12.99	119	768172	48.636	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894274	50.228	ug/l	98
85) sec-Butylbenzene	13.17	105	987357	50.148	ug/l	97
86) p-Isopropyltoluene	13.29	119	889848	50.517	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	468353	51.472	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	448310	50.639	ug/l	98
89) n-Butylbenzene	13.61	91	758973	55.104	ug/l	98
90) Hexachloroethane	13.87	117	148612	54.353	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	446749	50.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37751	50.927	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	234018	53.264	ug/l	99
94) Hexachlorobutadiene	15.01	225	148179	60.552	ug/l	100
95) Naphthalene	15.13	128	479001	48.878	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	221725	50.706	ug/l	98

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

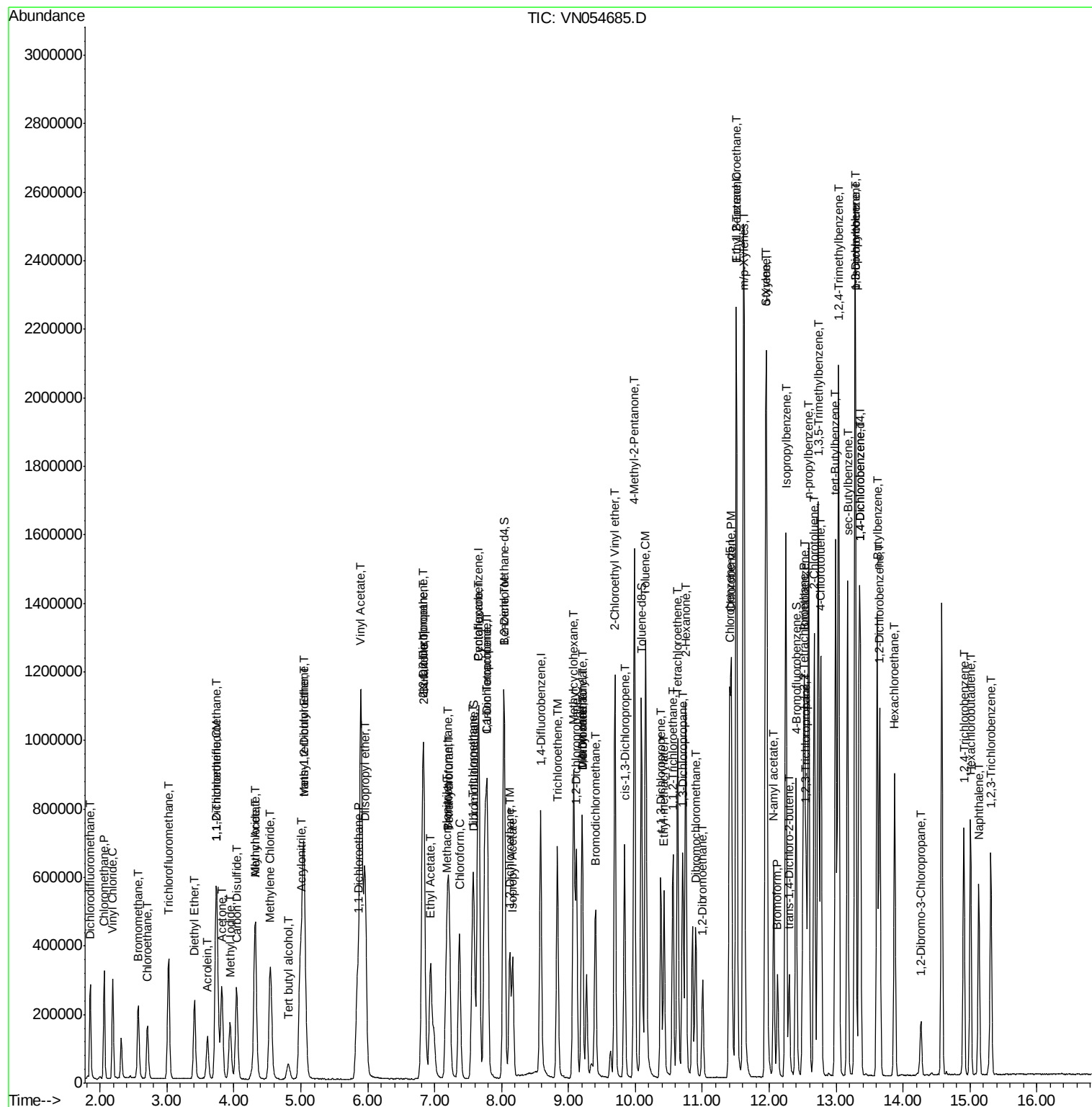
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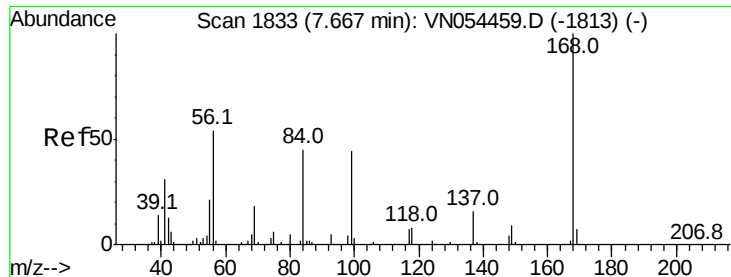
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 424254

Ion Ratio Lower Upper

168 100

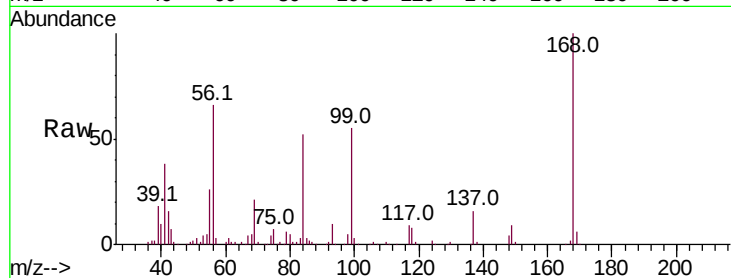
99 54.3 37.1 55.7

Manual Integrations

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3/27/2019 9:10:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

100000

50000

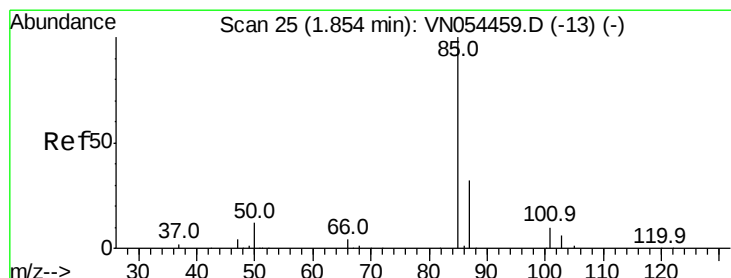
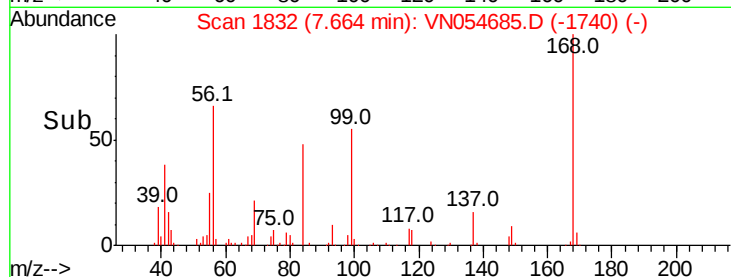
0

7.66

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 53.223 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054685.D

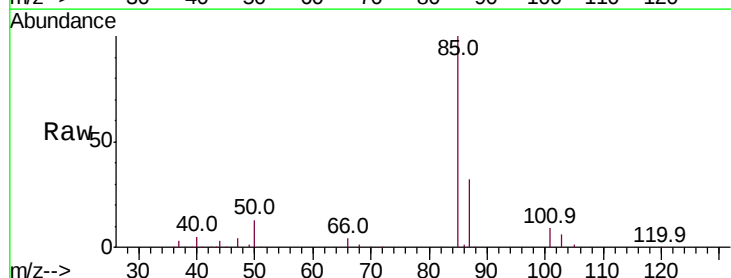
Acq: 26 Mar 2019 9:10

Tgt Ion: 85 Resp: 215858

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

50000

0

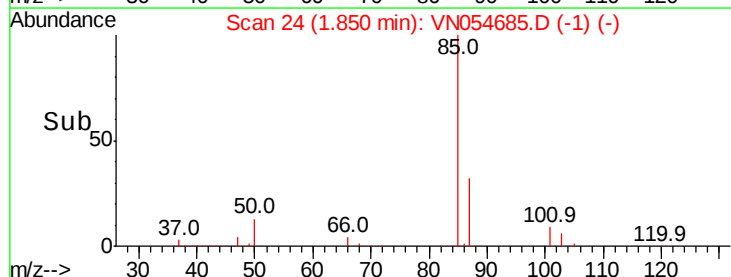
1.85

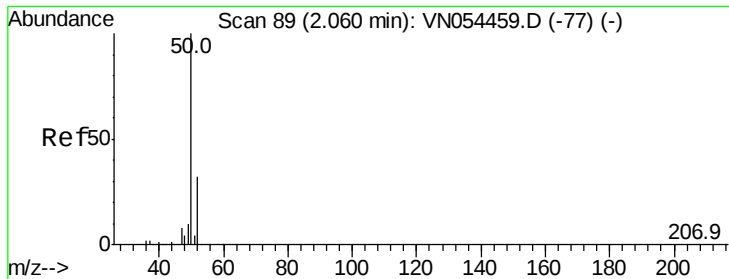
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 51.309 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 283132

Ion Ratio Lower Upper

50 100

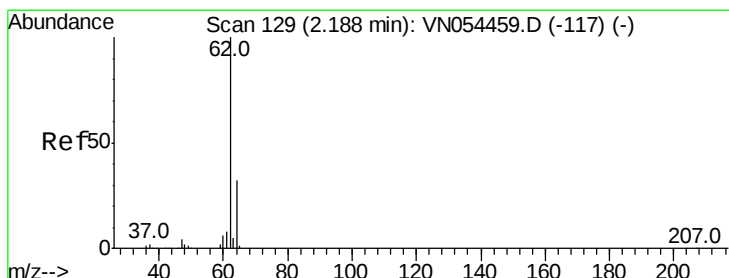
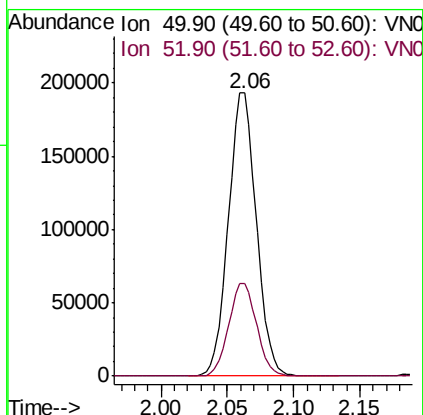
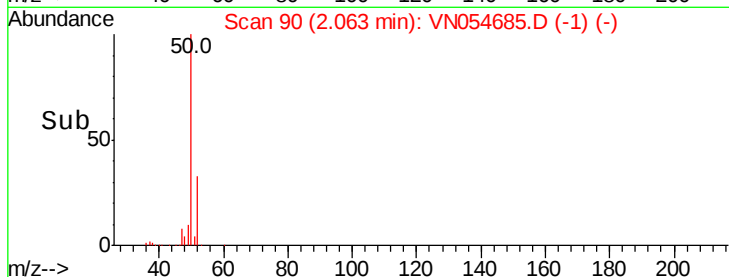
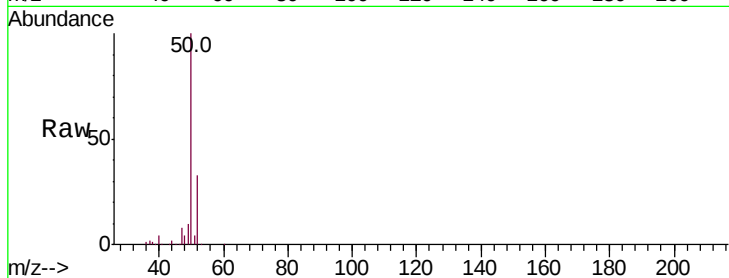
52 32.9 26.4 39.6

Manual Integrations

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3/27/2019 9:10:04 AM



#4

Vinyl Chloride

Concen: 47.727 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054685.D

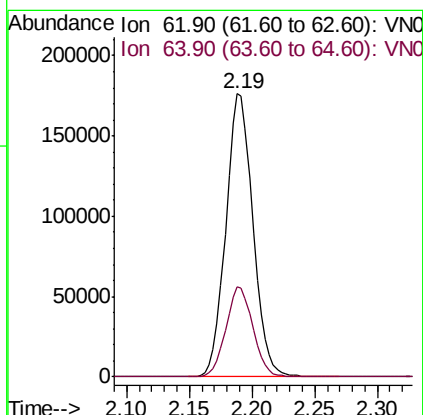
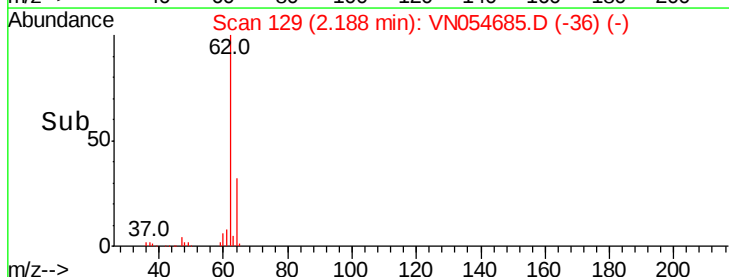
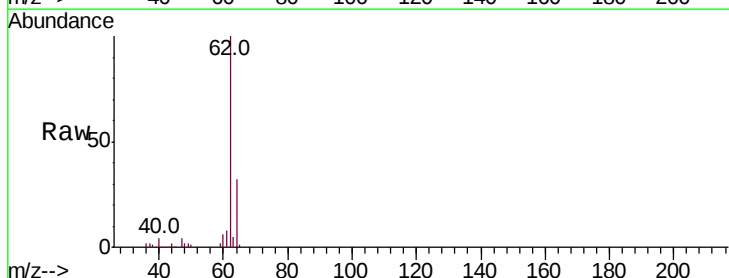
Acq: 26 Mar 2019 9:10

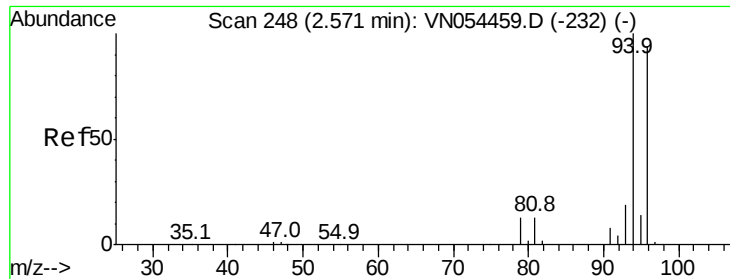
Tgt Ion: 62 Resp: 264420

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 41.474 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

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Tot Ion: 94 Resp: 148578

Ion Ratio Lower Upper

94 100

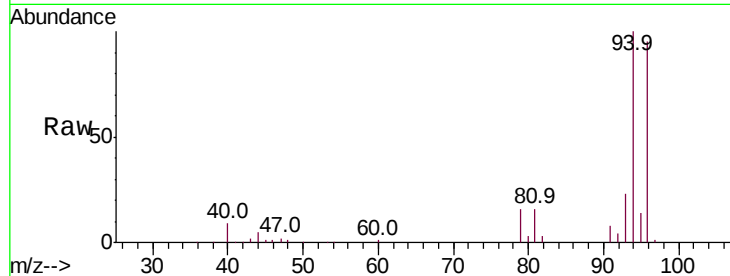
96 95.3 77.0 115.4

Manual Integrations

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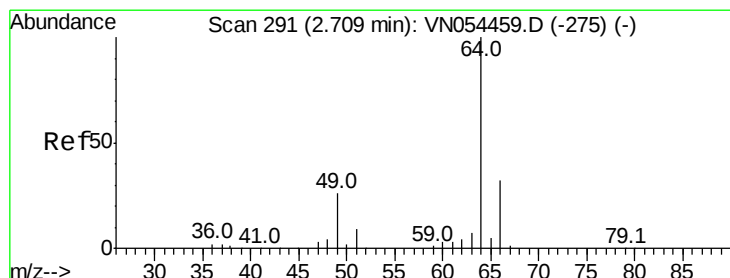
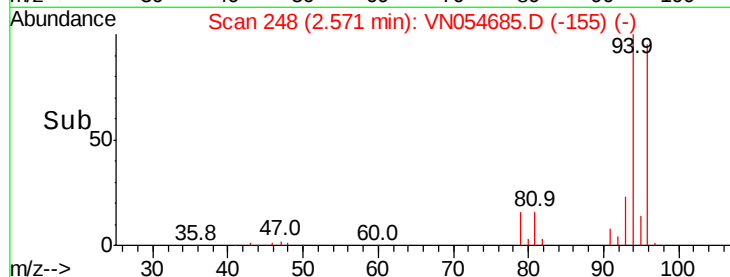
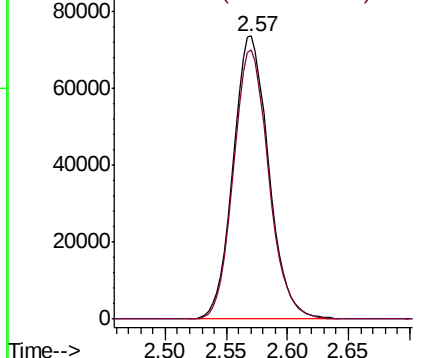
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.293 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054685.D

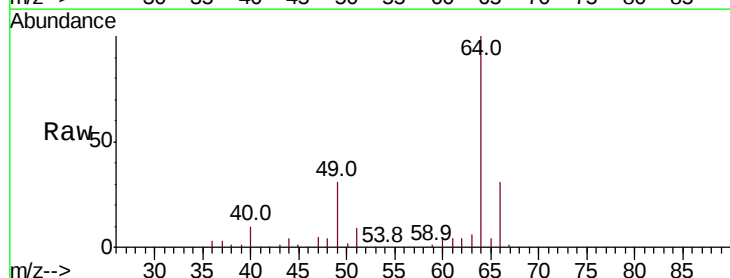
Acq: 26 Mar 2019 9:10

Tgt Ion: 64 Resp: 147189

Ion Ratio Lower Upper

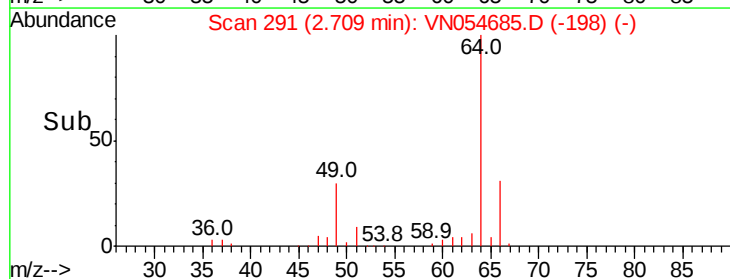
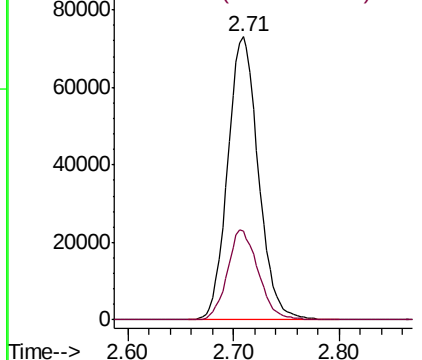
64 100

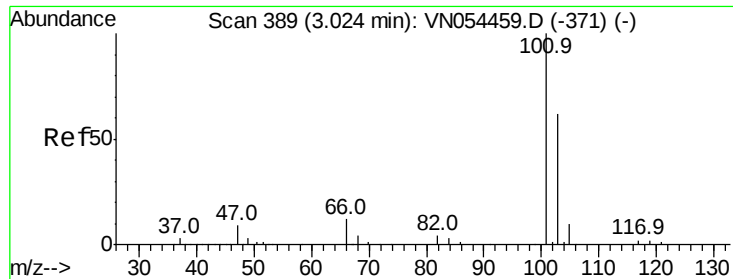
66 31.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

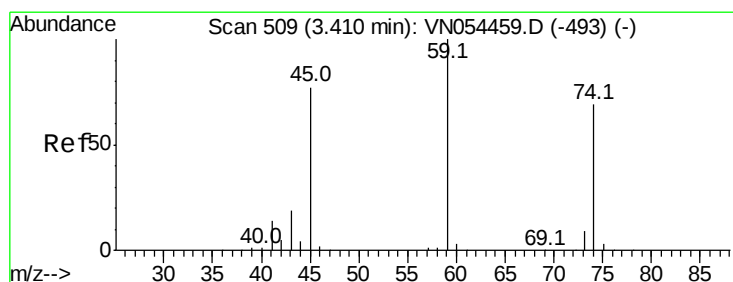
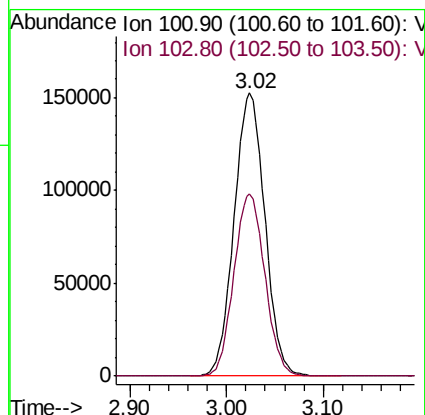
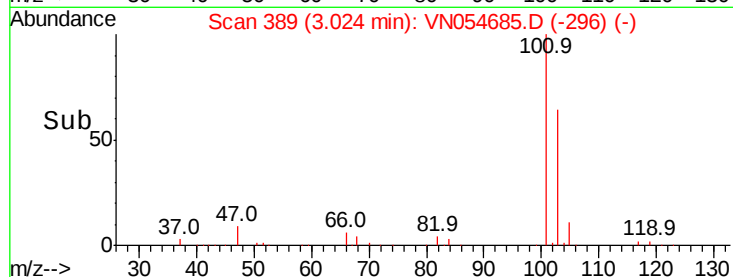
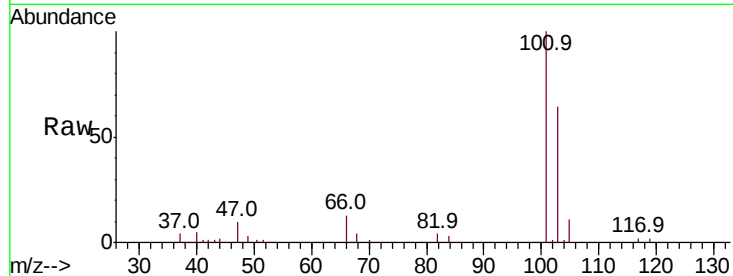
Trichlorofluoromethane
Concen: 50.176 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 337592
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2

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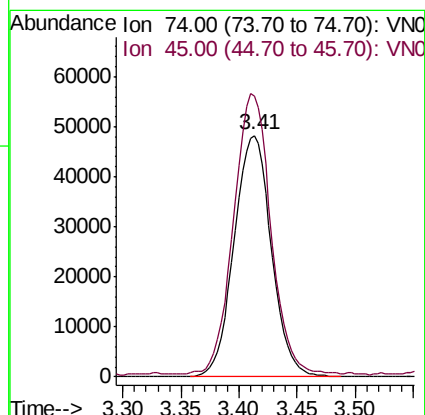
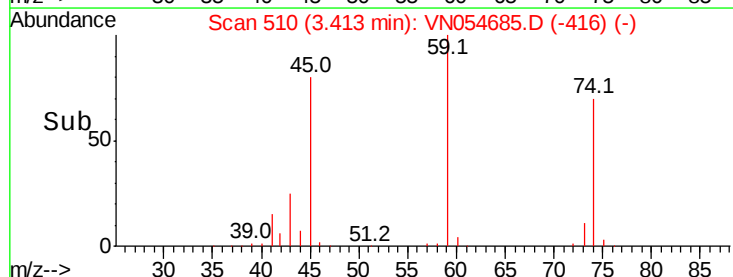
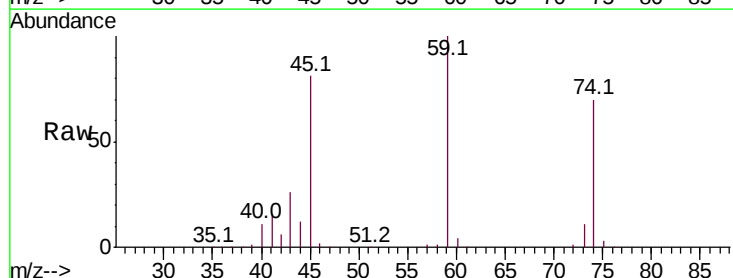
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3/27/2019 9:10:04 AM

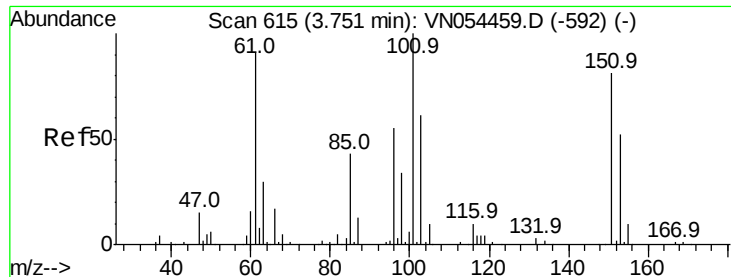


#8

Diethyl Ether
Concen: 41.764 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 74 Resp: 108070
Ion Ratio Lower Upper
74 100
45 116.0 43.1 129.4





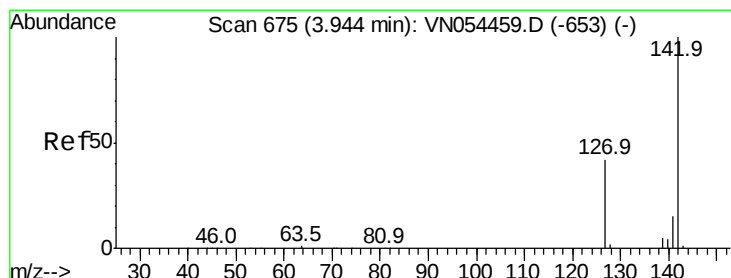
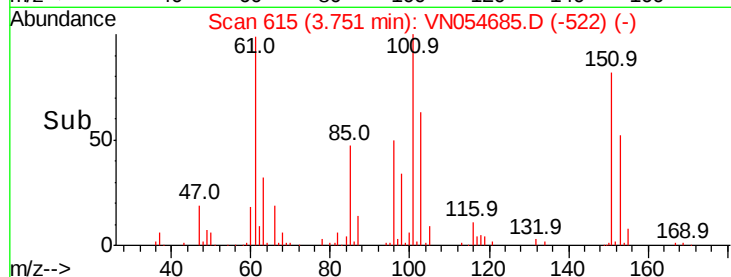
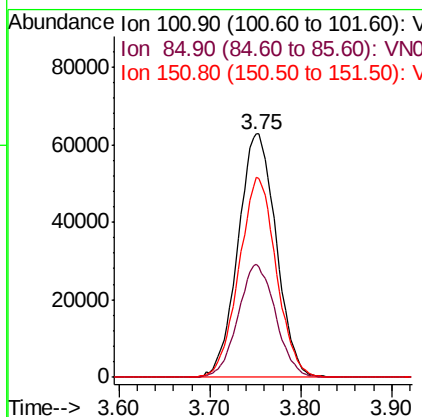
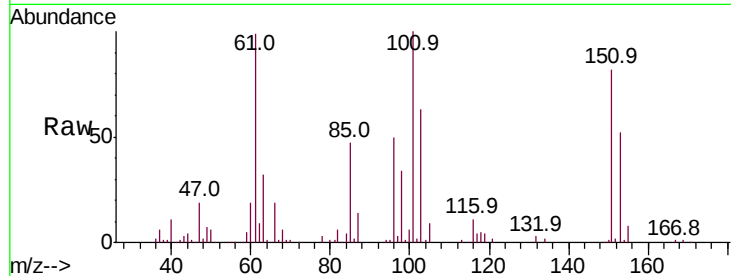
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.162 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	182532		
85	45.7	32.4	48.6	
151	80.3	68.2	102.2	

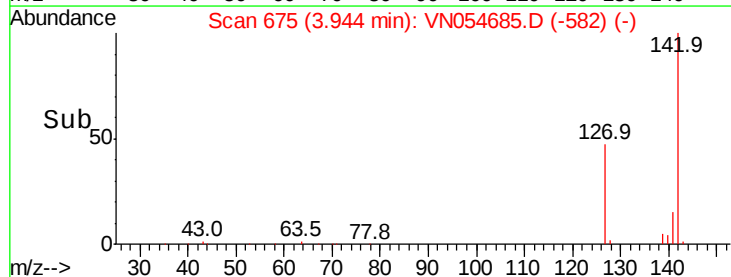
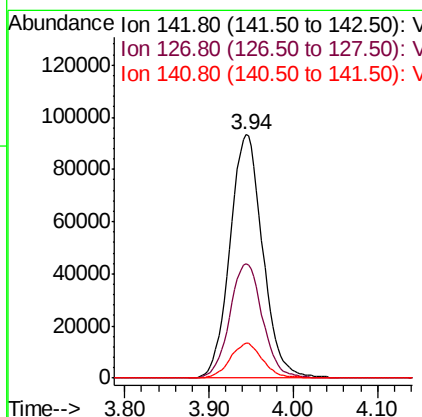
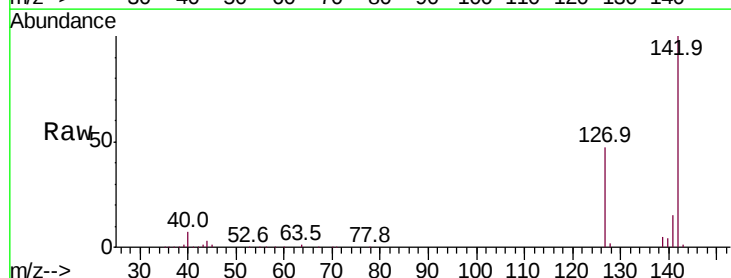
Manual Integrations
 APPROVED

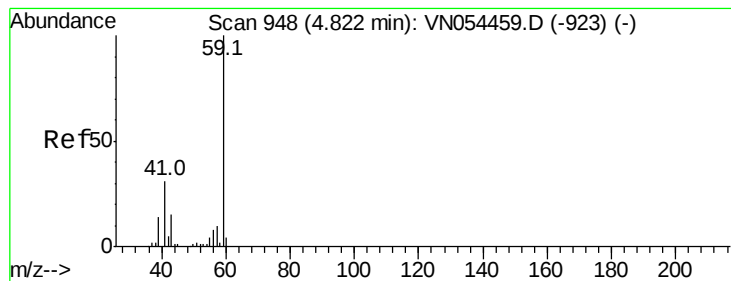
MMDadoda
 3/27/2019 9:10:04 AM



#10
 Methyl Iodide
 Concen: 43.344 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	252117		
127	47.4	30.3	45.5#	
141	14.5	11.2	16.8	





#11

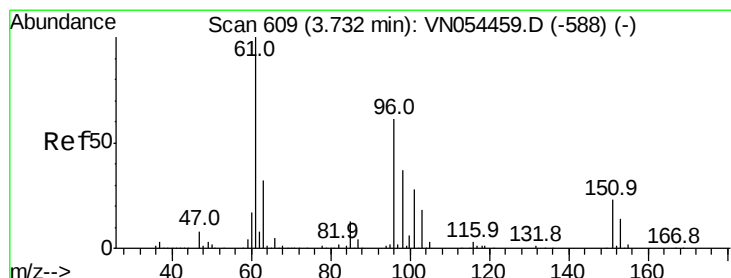
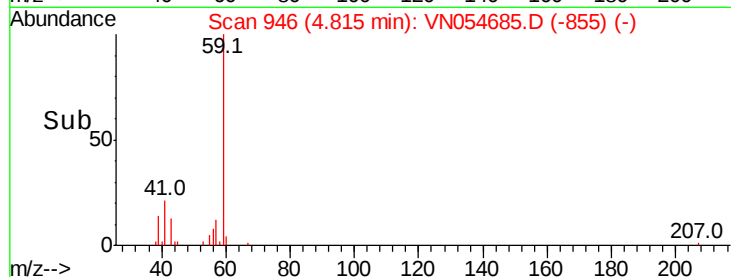
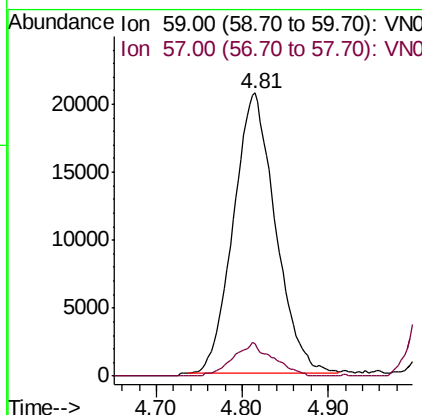
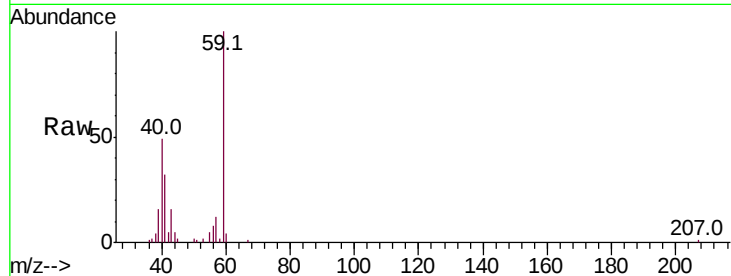
Tert butyl alcohol
Concen: 219.742 ug/l
RT: 4.81 min Scan# 946
Delta R.T. -0.01 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	9.0	13.6

Manual Integrations
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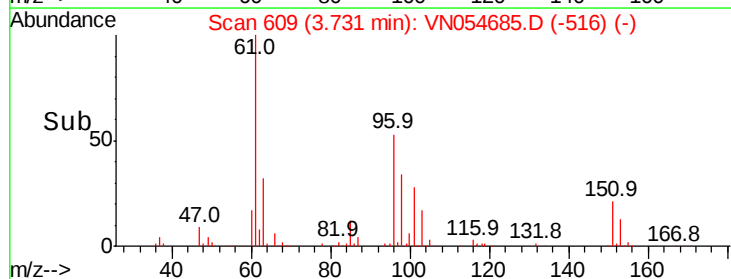
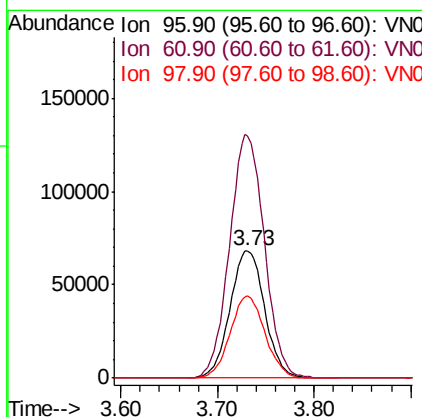
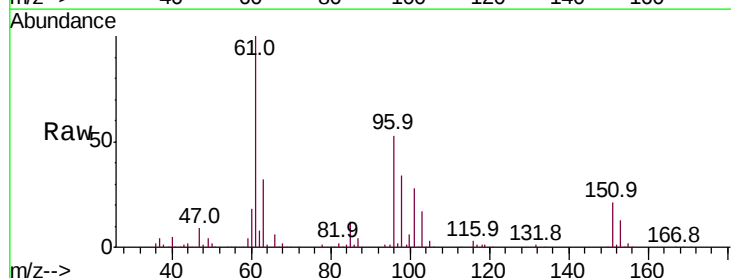
MMDadoda
3/27/2019 9:10:04 AM

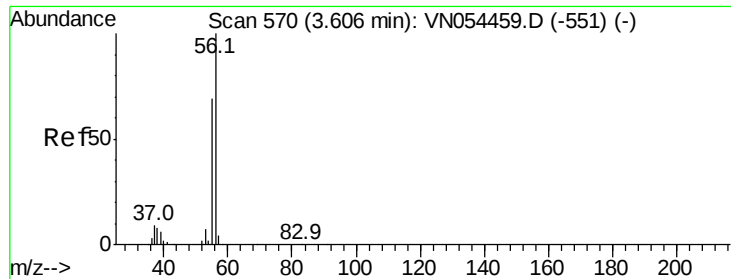


#12

1,1-Dichloroethene
Concen: 41.666 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.9	116.5	174.7#
98	64.4	51.0	76.4





#13

Acrolein

Concen: 296.173 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 130580

Ion Ratio Lower Upper

56 100

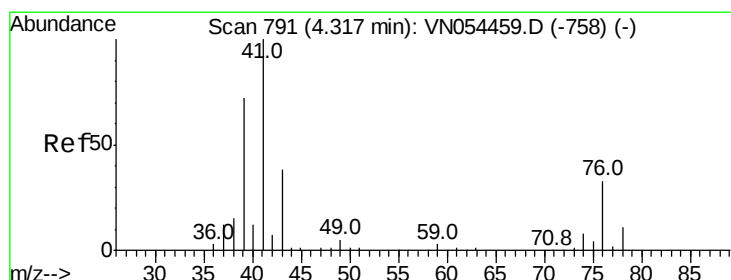
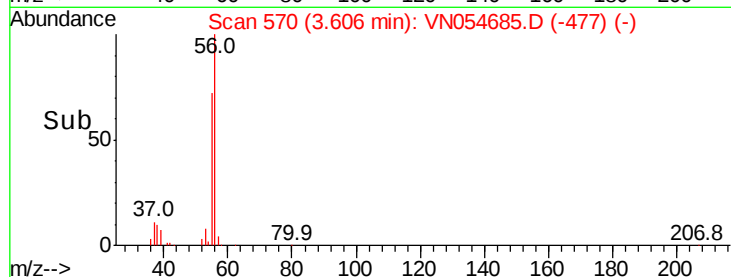
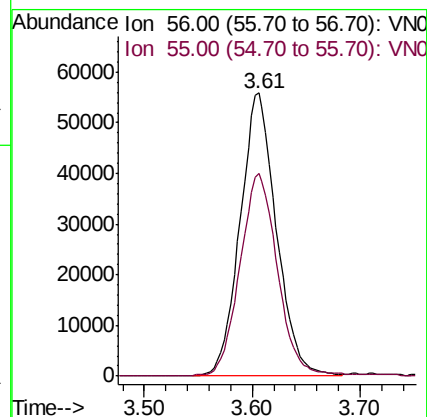
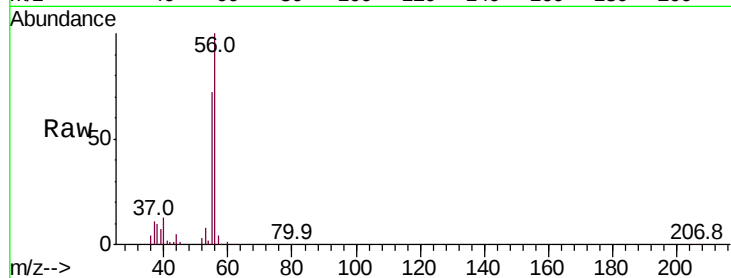
55 74.3 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 53.284 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

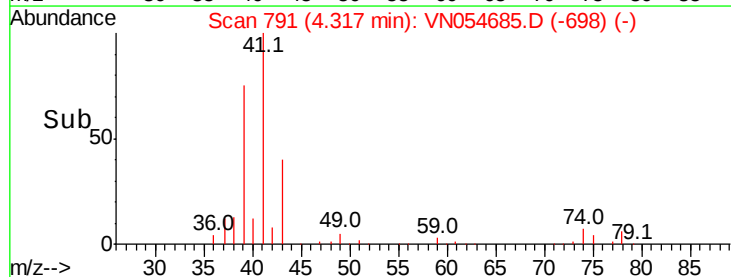
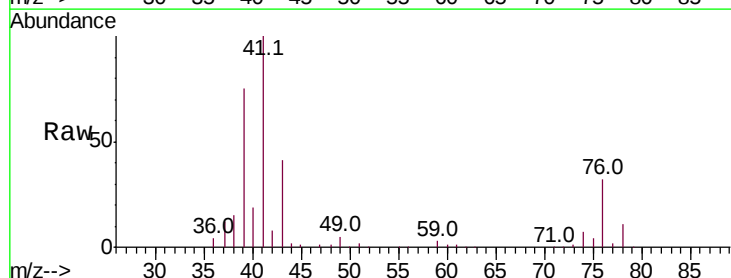
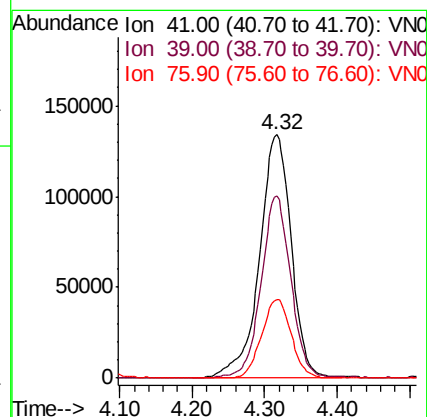
Tgt Ion: 41 Resp: 410586

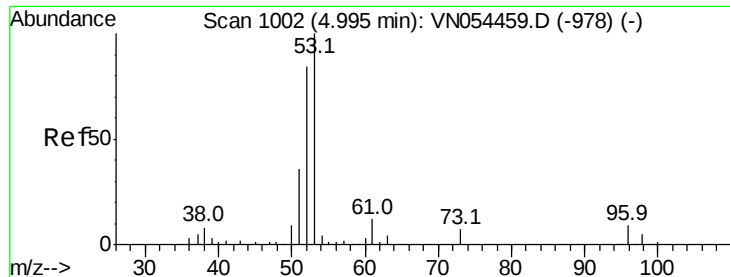
Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

76 29.6 31.7 47.5#





#15

Acrylonitrile

Concen: 264.060 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

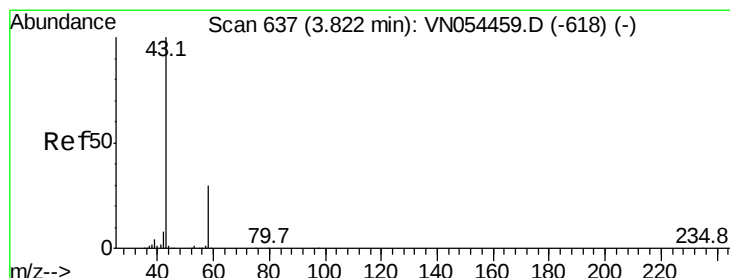
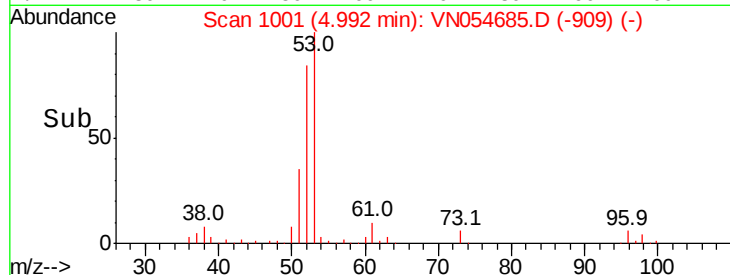
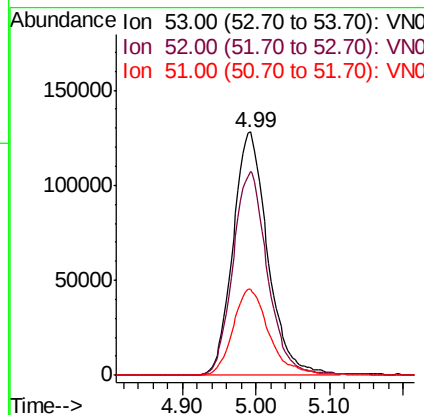
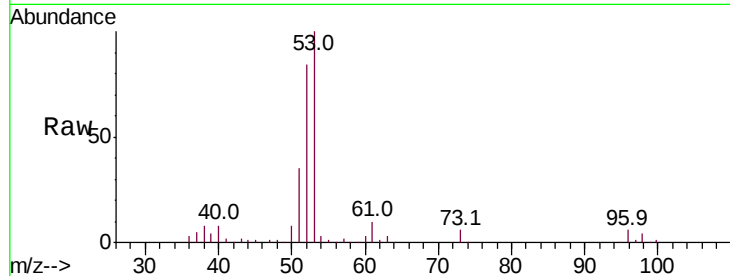
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	420119
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.4	99.6
51	37.0	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 281.138 ug/l

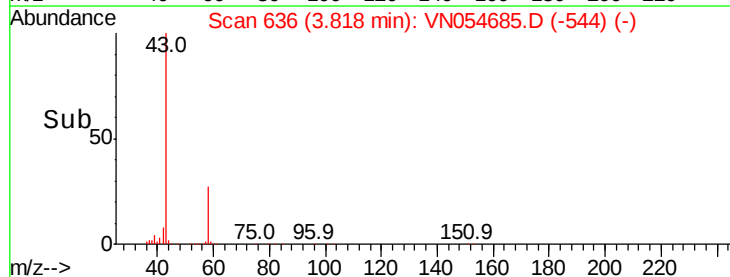
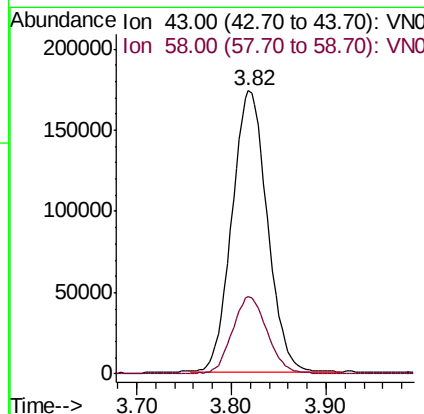
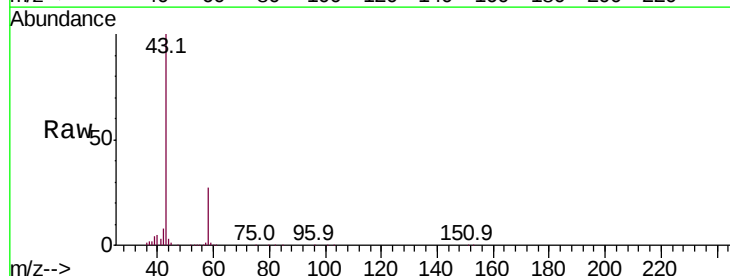
RT: 3.82 min Scan# 636

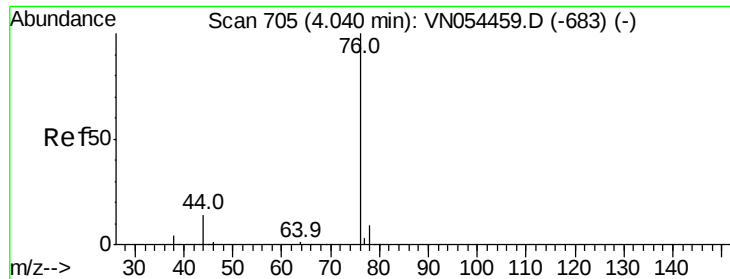
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	43	Resp:	446038
Ion	Ratio	Lower	Upper
43	100		
58	27.4	29.9	44.9#





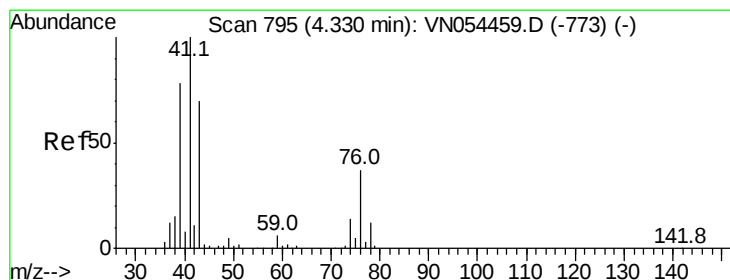
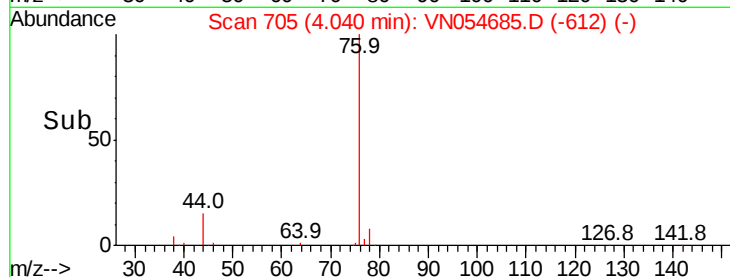
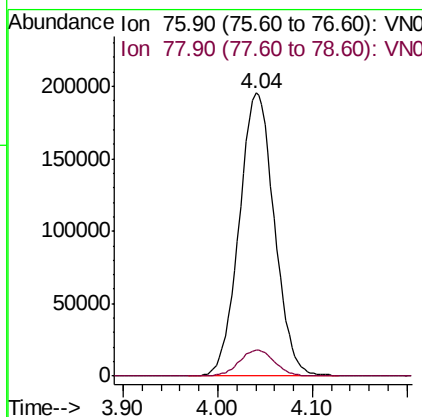
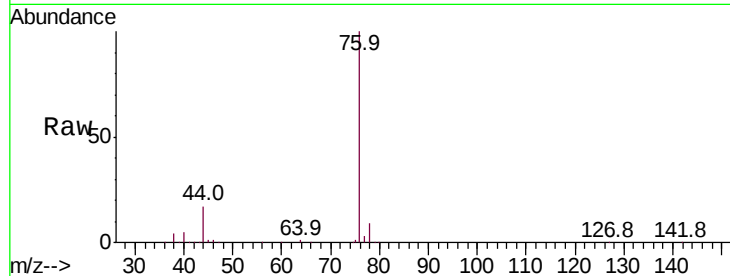
#17
Carbon Disulfide
Concen: 46.022 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

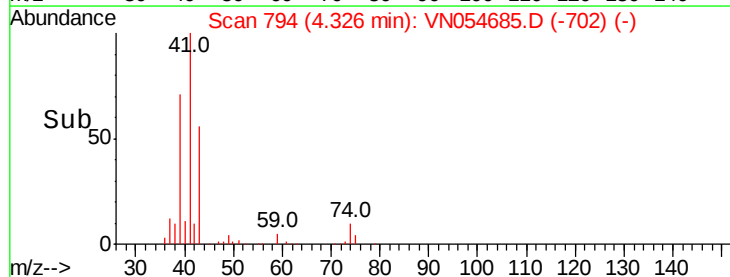
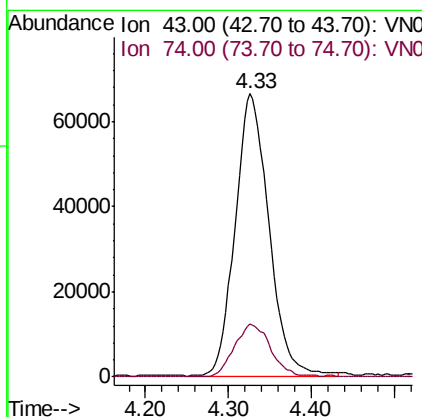
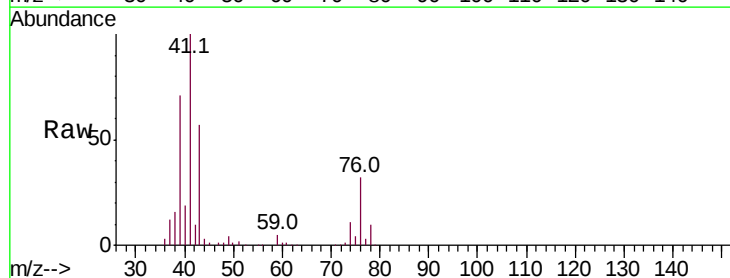
Manual Integrations
APPROVED

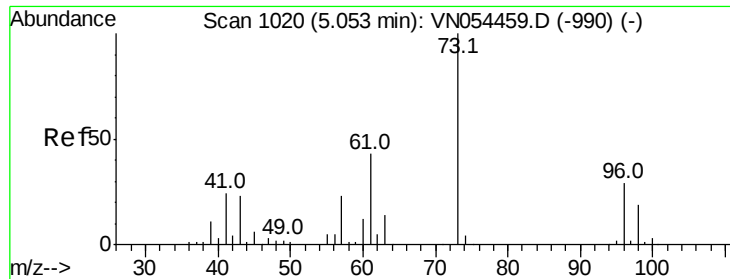
MMDadoda
3/27/2019 9:10:04 AM



#18
Methyl Acetate
Concen: 52.900 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	20.8	31.2#





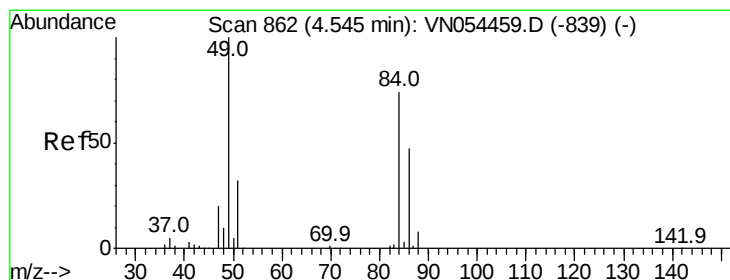
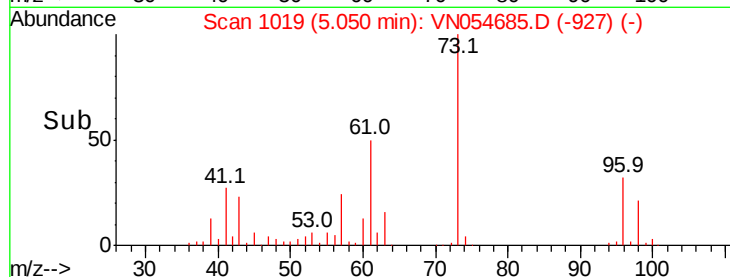
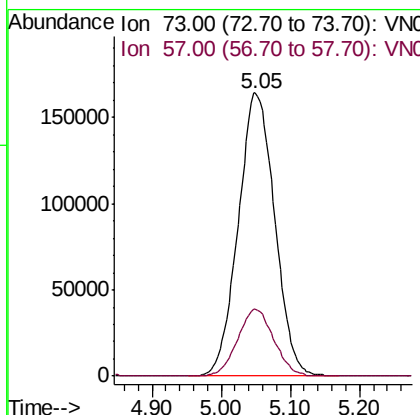
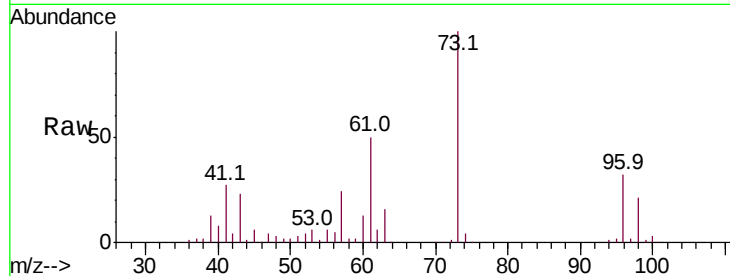
#19
Methyl tert-butyl Ether
Concen: 50.327 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 601029
Ion Ratio Lower Upper
73 100
57 23.7 16.8 25.2

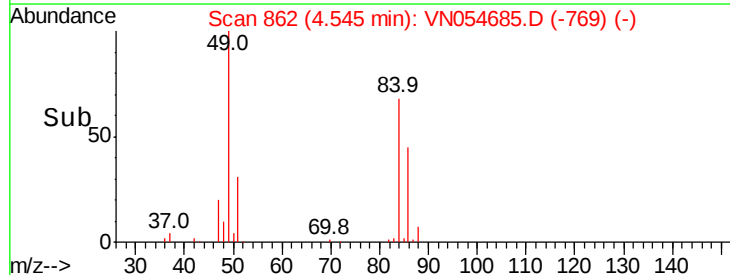
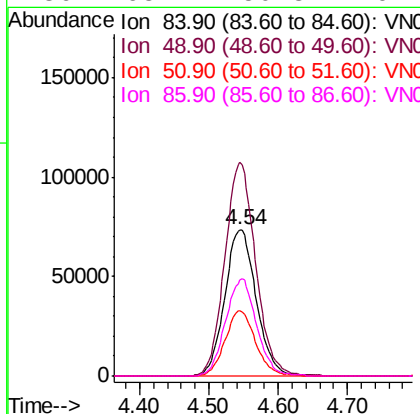
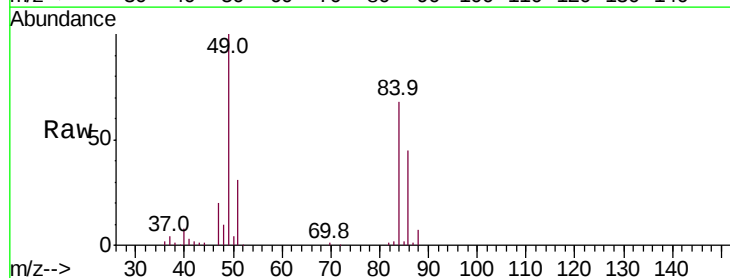
Manual Integrations
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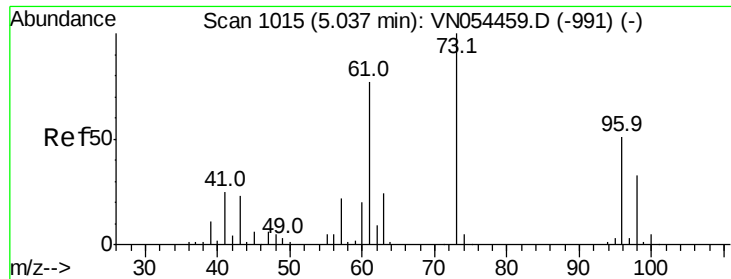
MMDadoda
3/27/2019 9:10:04 AM



#20
Methylene Chloride
Concen: 49.735 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 84 Resp: 232600
Ion Ratio Lower Upper
84 100
49 146.0 89.7 134.5#
51 44.9 28.2 42.4#
86 65.4 50.8 76.2





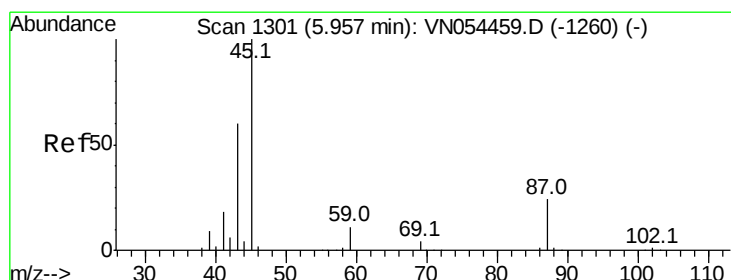
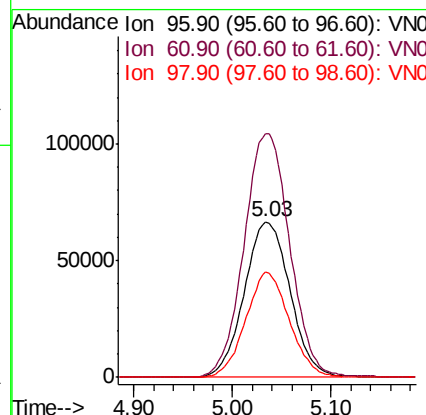
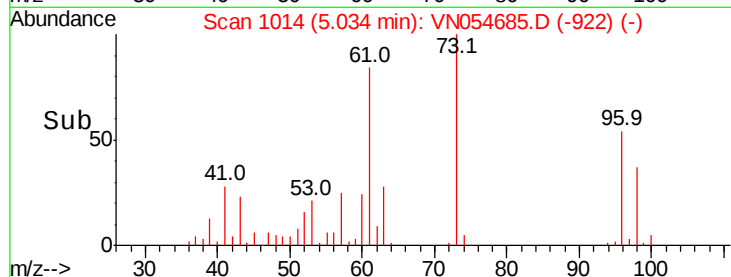
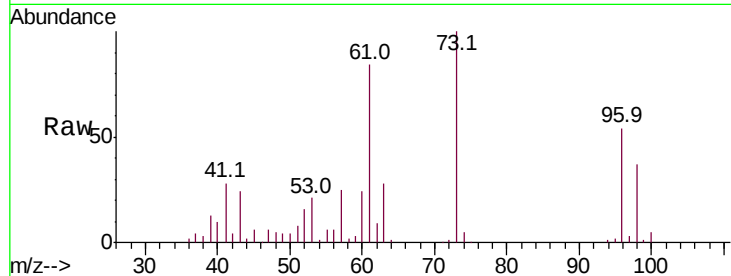
#21
trans-1,2-Dichloroethene
Concen: 51.156 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.3	102.8	154.2#
98	68.1	50.0	75.0

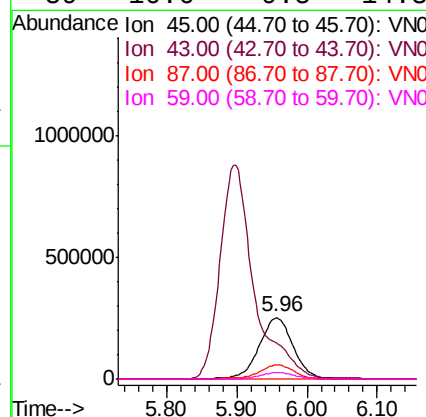
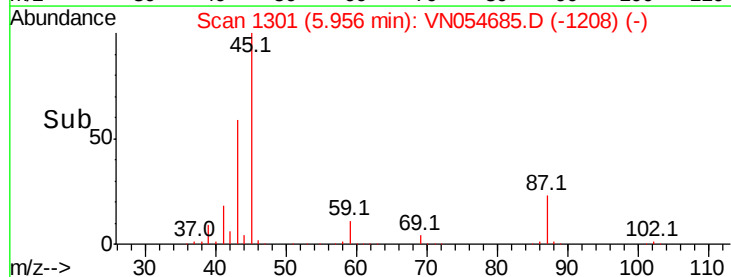
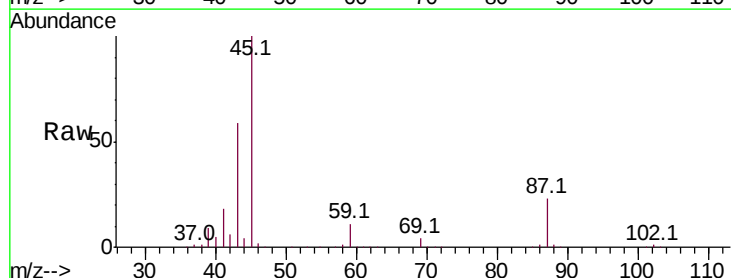
Manual Integrations
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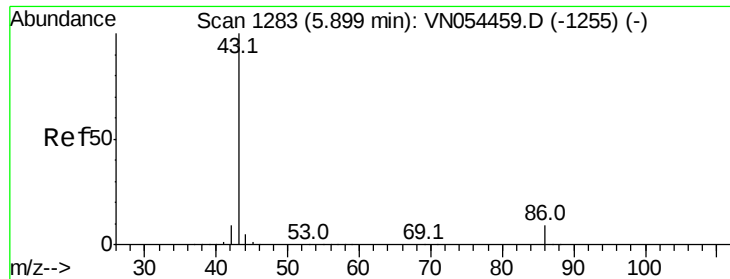
MMDadoda
3/27/2019 9:10:04 AM



#22
Diisopropyl ether
Concen: 55.856 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.5	48.2	72.2
87	23.1	24.9	37.3#
59	10.6	9.5	14.3





#23

Vinyl Acetate

Concen: 278.519 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2989834

Ion Ratio Lower Upper

43 100

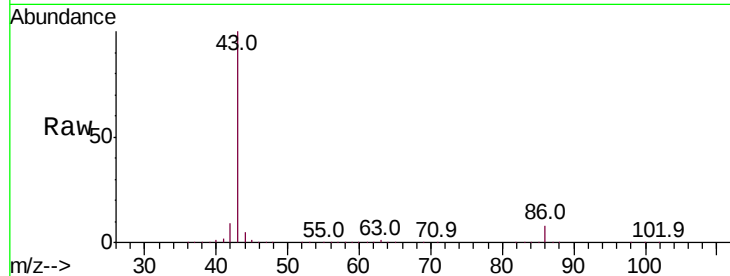
86 8.3 9.1 13.7#

Manual Integrations

APPROVED

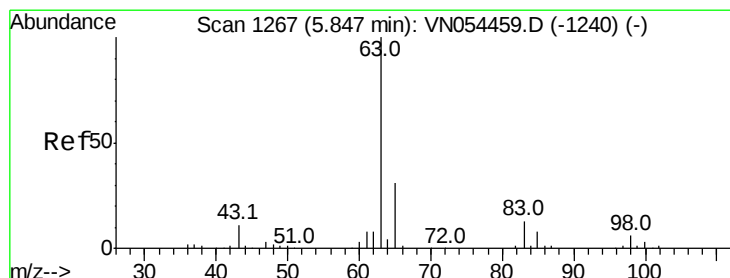
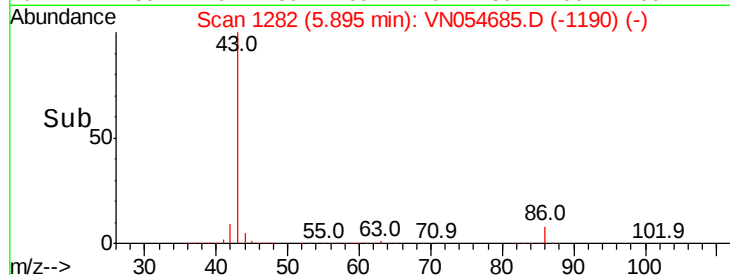
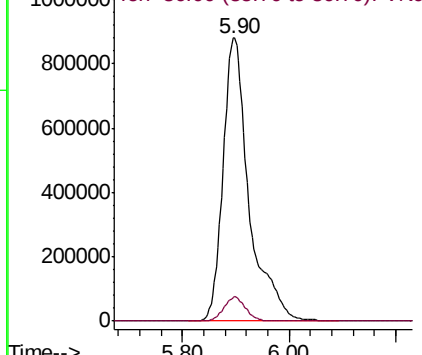
MMDadoda

3/27/2019 9:10:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 54.174 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

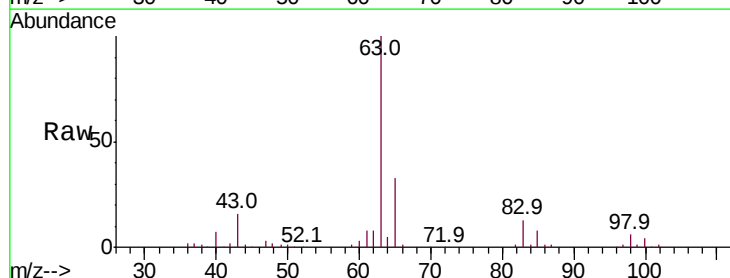
Tgt Ion: 63 Resp: 443348

Ion Ratio Lower Upper

63 100

98 5.9 3.5 10.5

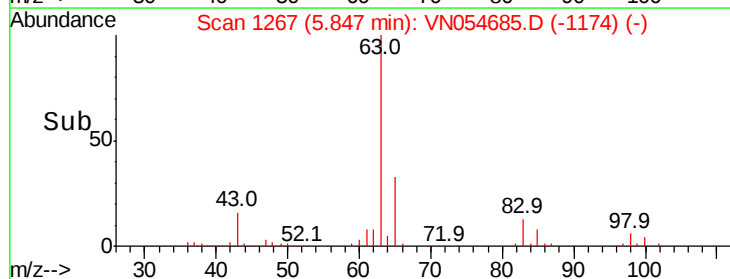
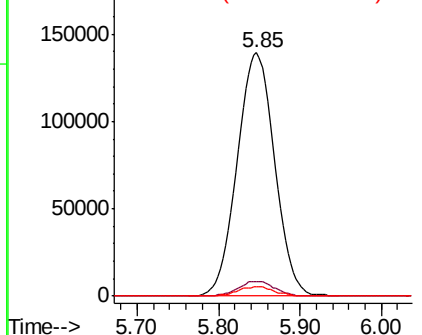
100 4.0 2.0 6.0

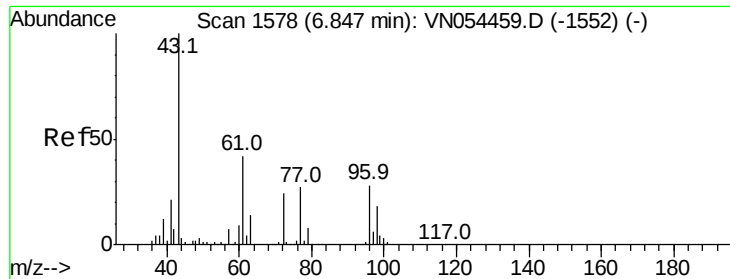


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 291.212 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 591848

Ion Ratio Lower Upper

43 100

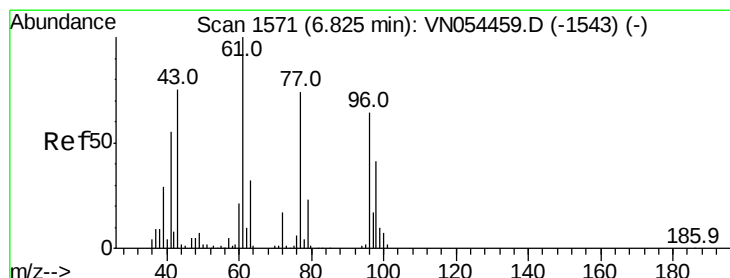
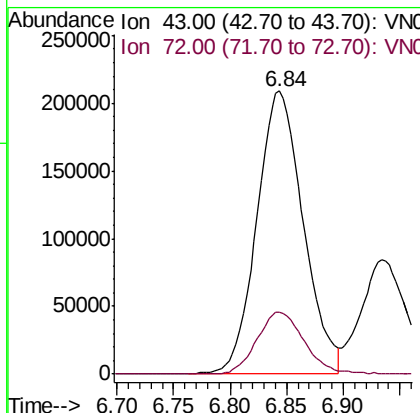
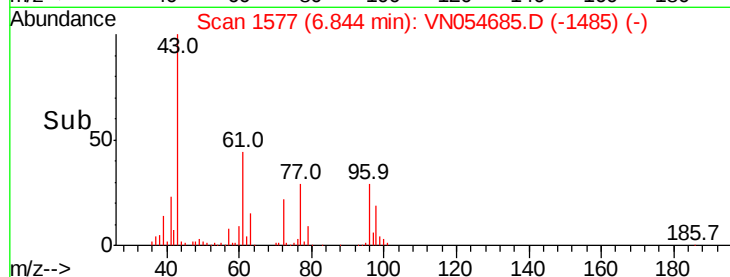
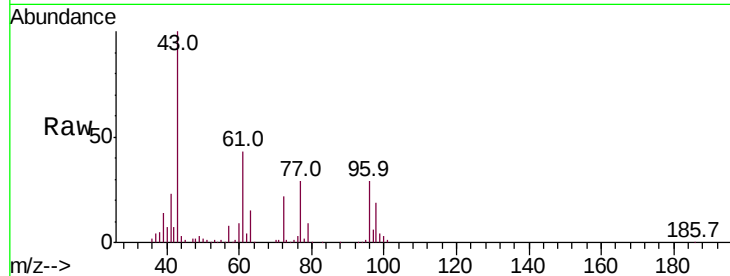
72 22.0 23.0 34.6#

Manual Integrations

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3/27/2019 9:10:04 AM



#26

2,2-Dichloropropane

Concen: 55.204 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054685.D

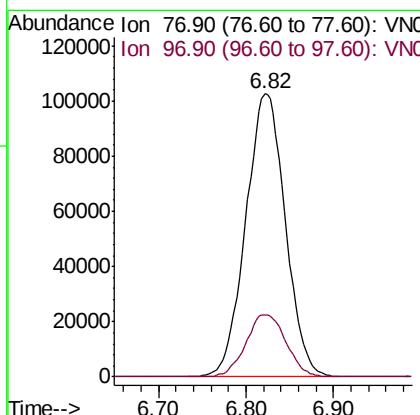
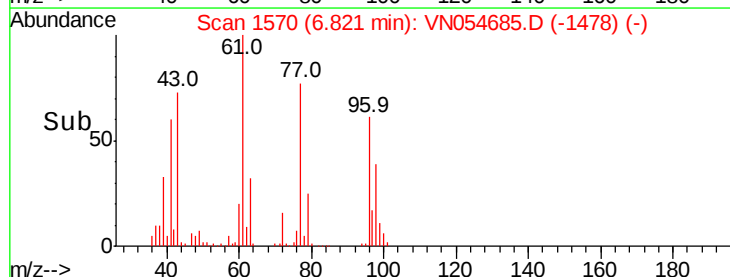
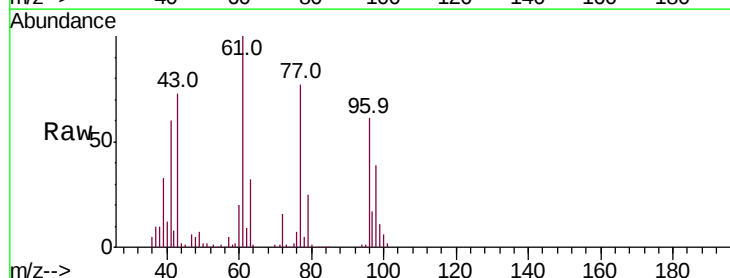
Acq: 26 Mar 2019 9:10

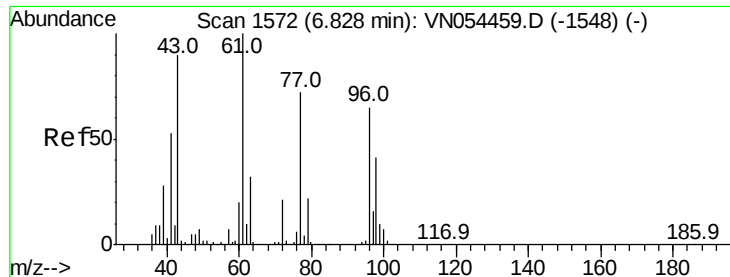
Tgt Ion: 77 Resp: 322046

Ion Ratio Lower Upper

77 100

97 22.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.133 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

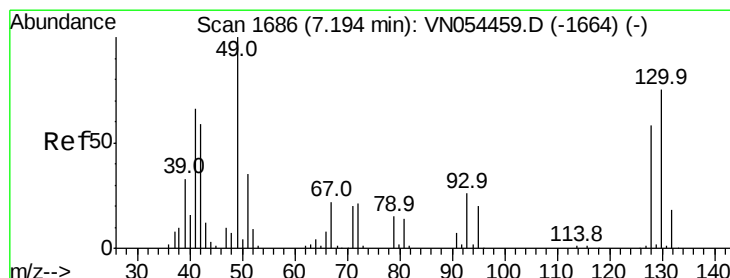
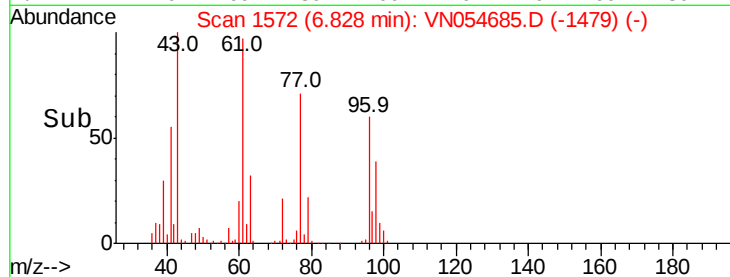
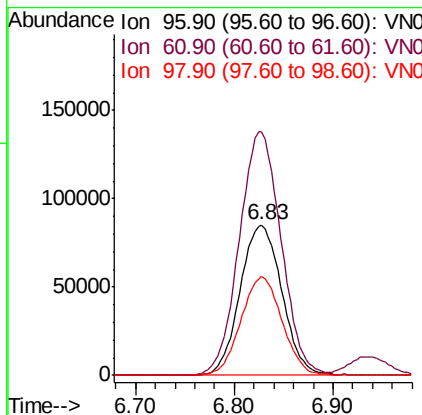
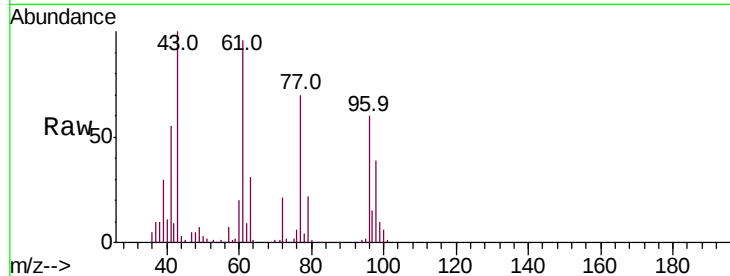
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	249862
Ion	Ratio	Lower	Upper
96	100		
61	162.2	0.0	273.0
98	64.8	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 56.052 ug/l

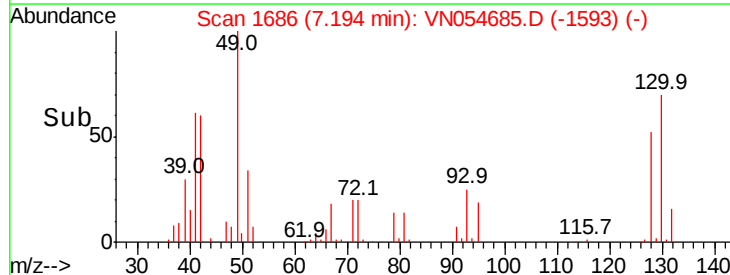
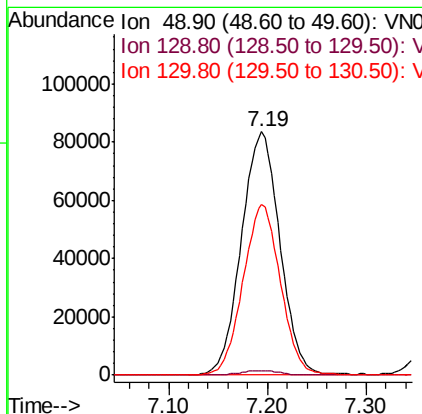
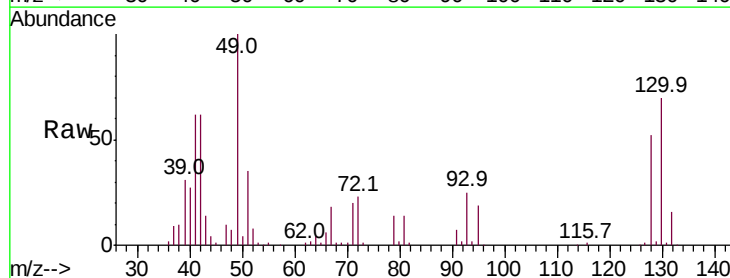
RT: 7.19 min Scan# 1686

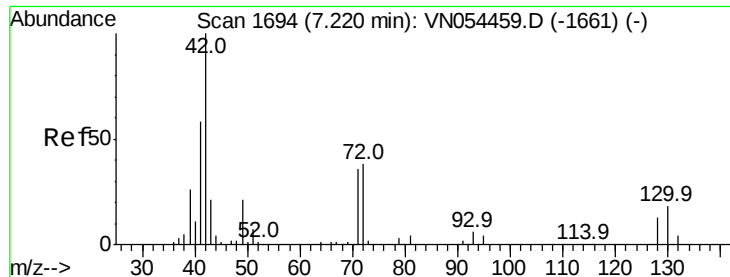
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	49	Resp:	225789
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	68.1	76.7	115.1#





#29

Tetrahydrofuran

Concen: 263.266 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

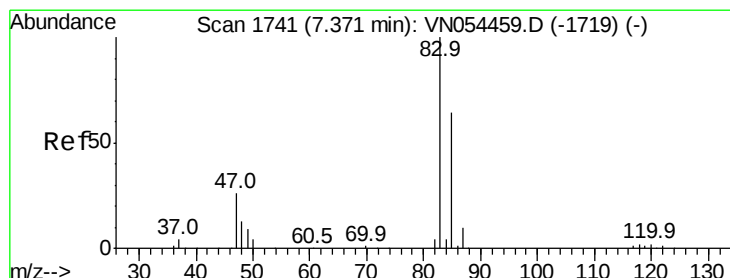
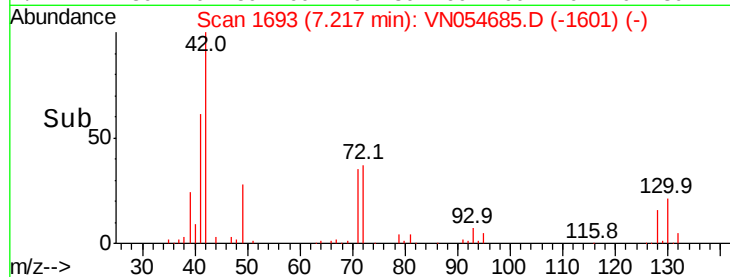
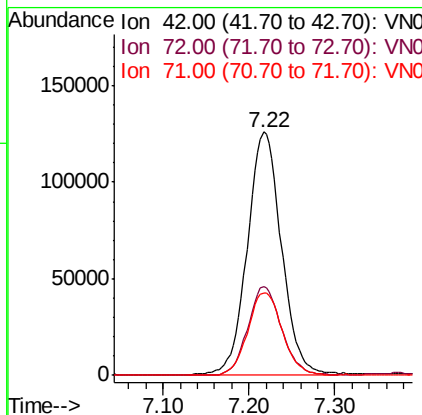
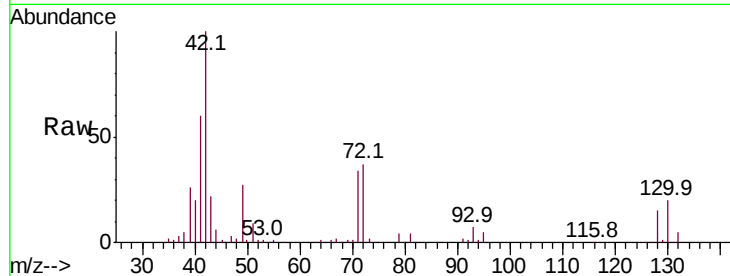
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	347214
Ion Ratio	Lower	Upper	
42	100		
72	36.2	37.8	56.6#
71	34.6	36.2	54.2#

Manual Integrations
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3/27/2019 9:10:04 AM



#30

Chloroform

Concen: 53.900 ug/l

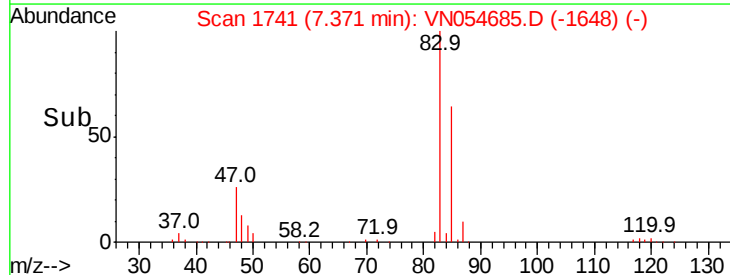
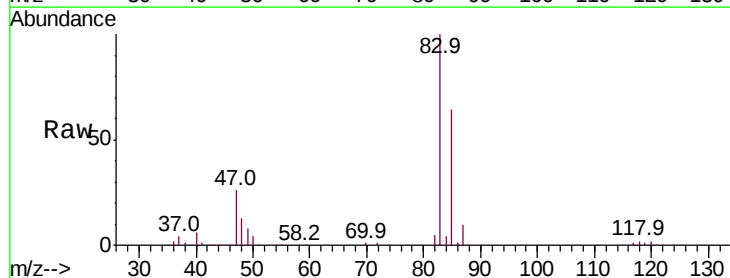
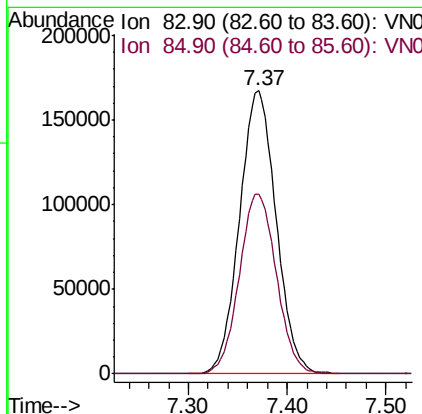
RT: 7.37 min Scan# 1741

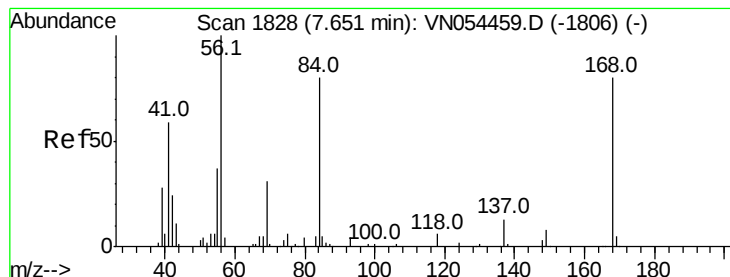
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	83	Resp:	430479
Ion Ratio	Lower	Upper	
83	100		
85	63.6	52.2	78.4





#31

Cyclohexane

Concen: 53.256 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050

Tot Ion: 56 Resp: 416671

Ion Ratio Lower Upper

56 100

69 29.8 27.8 41.6

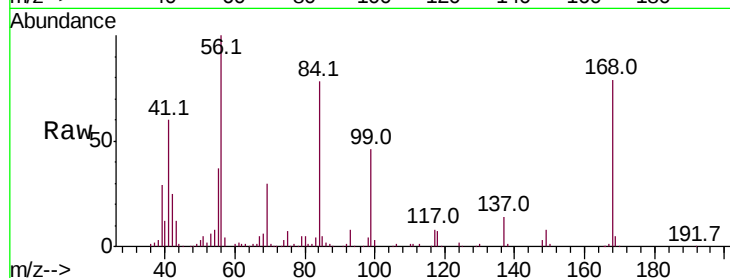
84 77.1 74.6 111.8

Manual Integrations

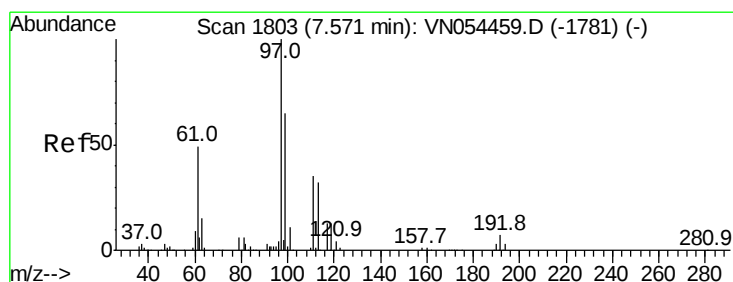
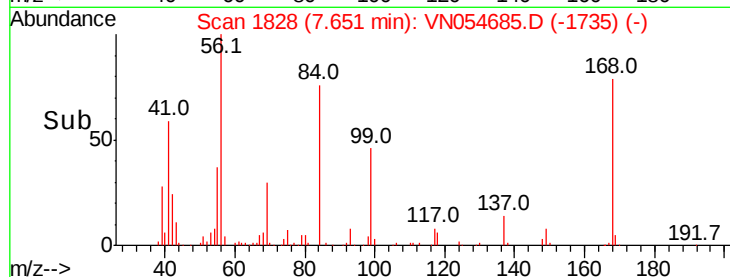
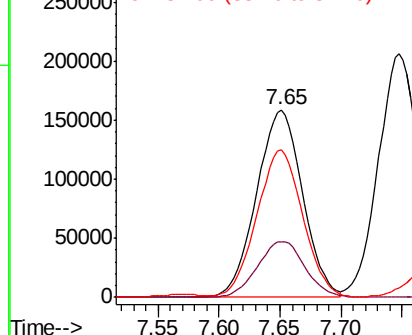
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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 54.443 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

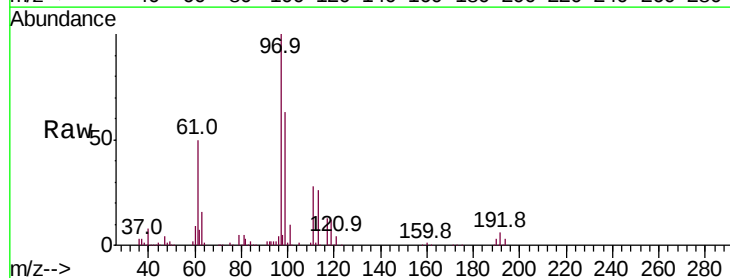
Tgt Ion: 97 Resp: 358728

Ion Ratio Lower Upper

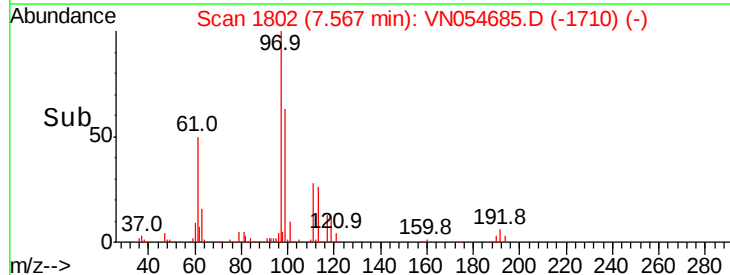
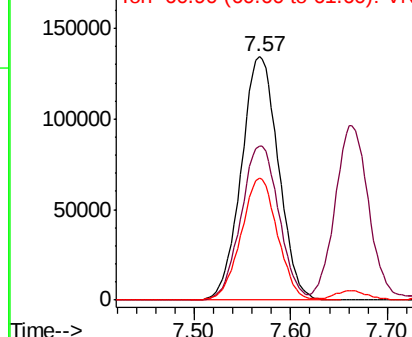
97 100

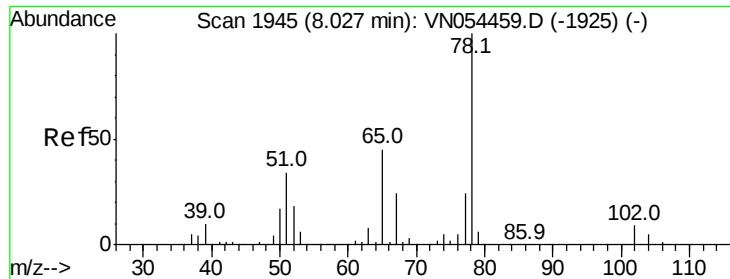
99 64.6 51.5 77.3

61 49.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





#33

1,2-Dichloroethane-d4

Concen: 51.339 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 65 Resp: 270918

Ion Ratio Lower Upper

65 100

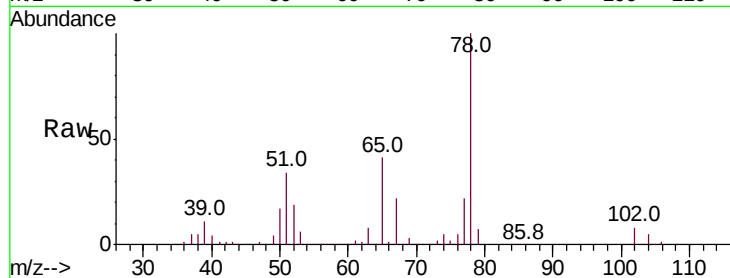
67 52.7 0.0 104.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN054459.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN054459.D (-1925) (-)

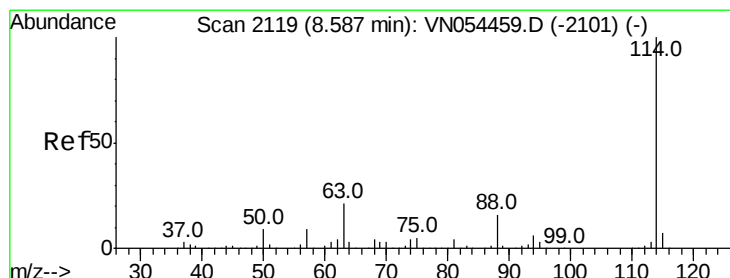
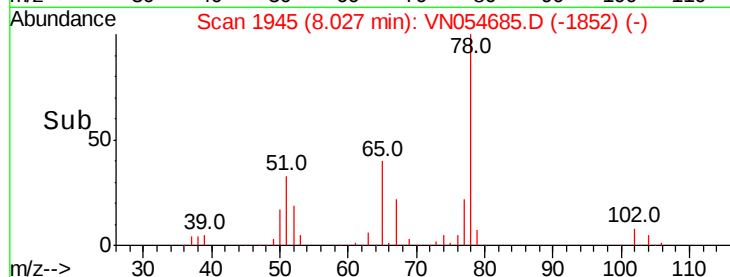
8.03

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

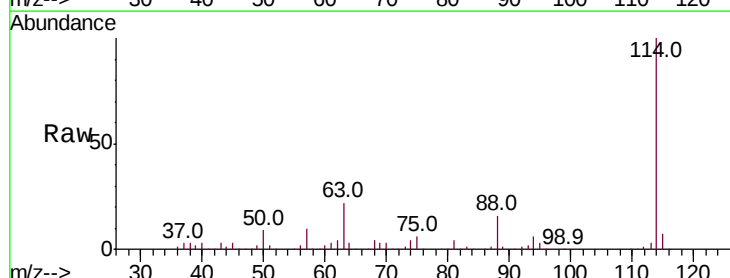
Tgt Ion: 114 Resp: 675420

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

88 15.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN054459.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN054459.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN054459.D (-2101) (-)

8.58

400000

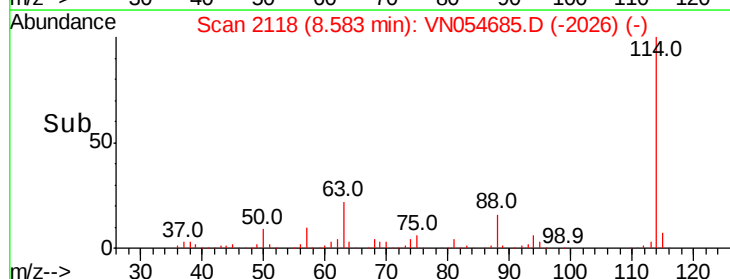
300000

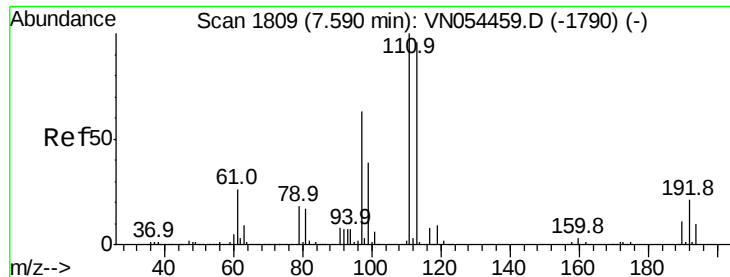
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.043 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

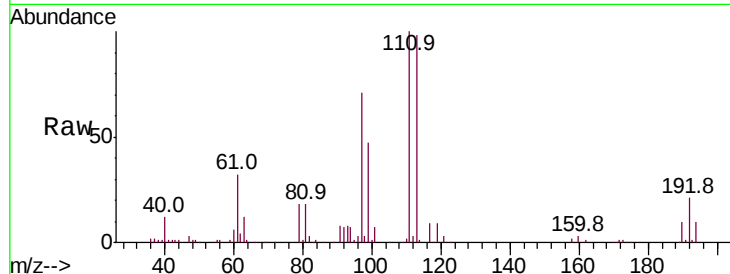
ClientSampleId :

VSTDCCC050

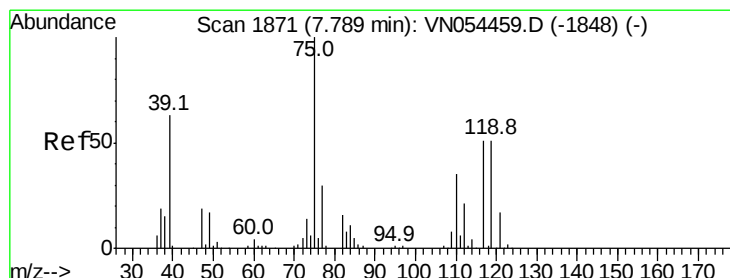
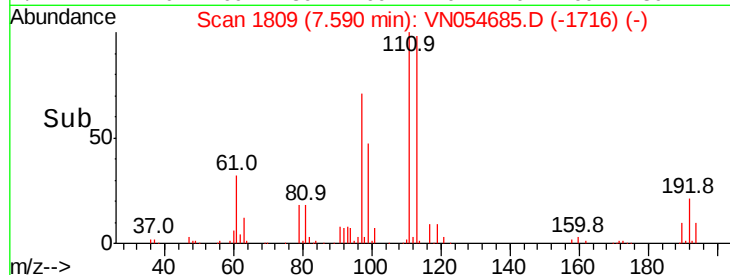
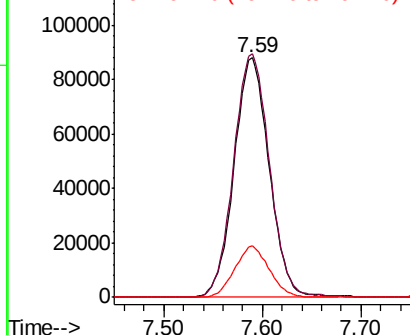
Tot Ion:	113	Resp:	217758
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.2	123.4
192	21.0	19.2	28.8

Manual Integrations
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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: 51.155 ug/l

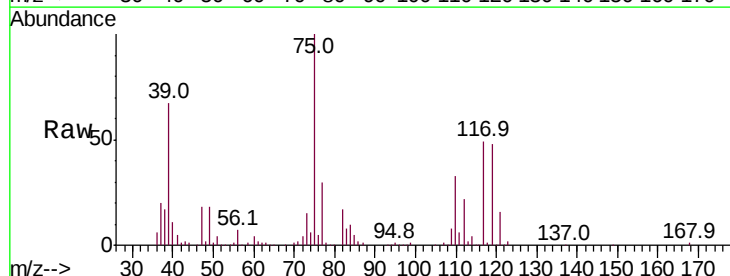
RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

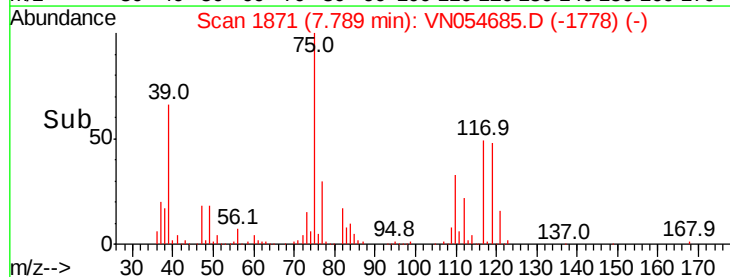
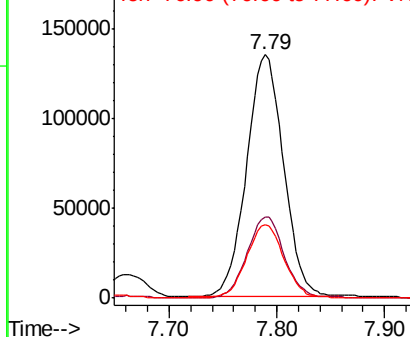
Lab File: VN054685.D

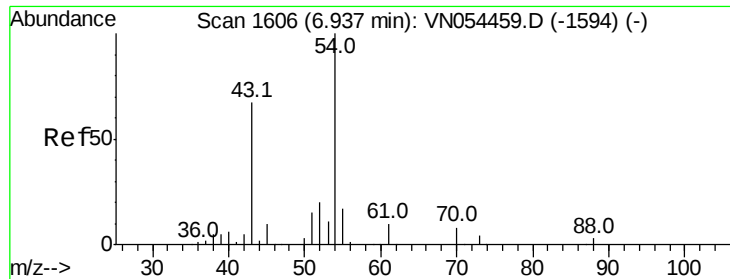
Acq: 26 Mar 2019 9:10

Tgt Ion:	75	Resp:	323054
Ion Ratio	Lower	Upper	
75	100		
110	33.9	19.1	57.5
77	31.0	25.0	37.4



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





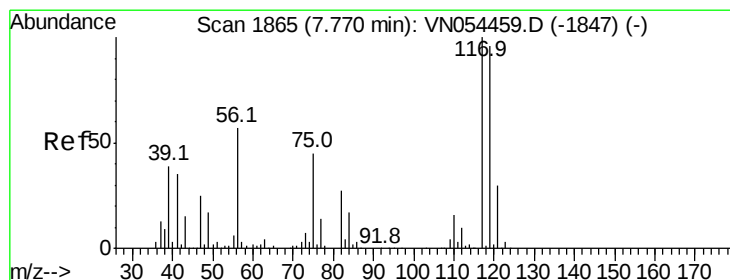
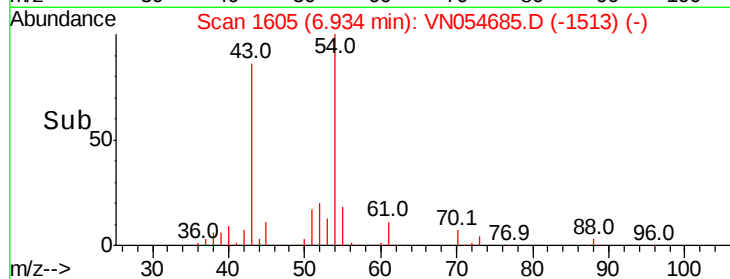
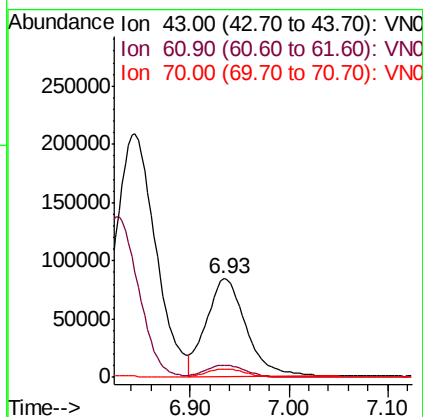
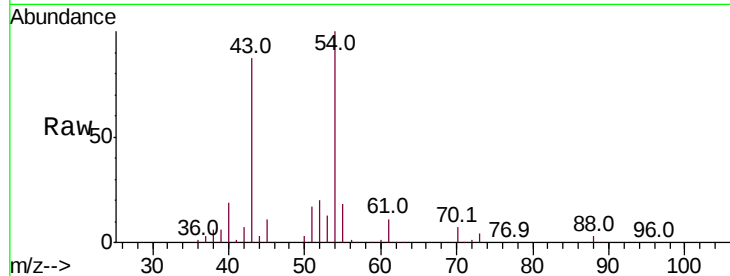
#37
Ethyl Acetate
Concen: 52.531 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.8	17.6
70	8.8	8.4	12.6

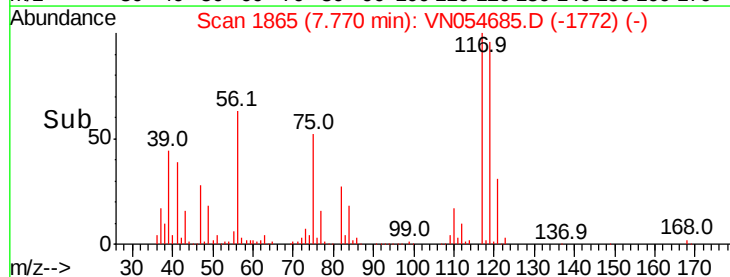
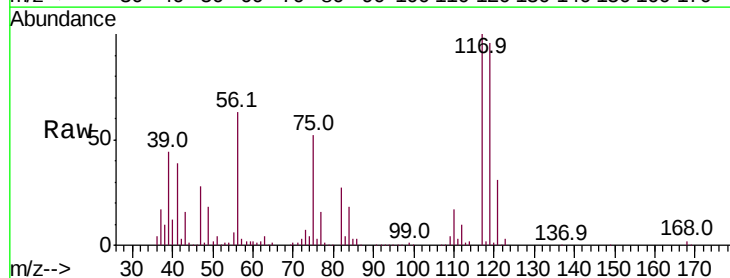
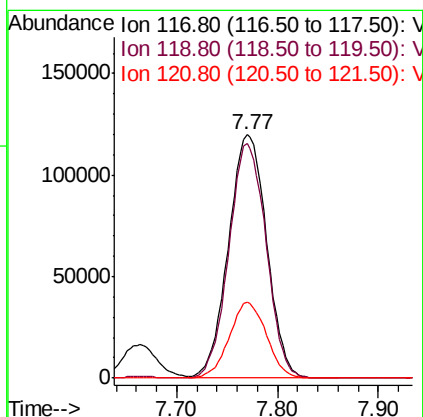
Manual Integrations
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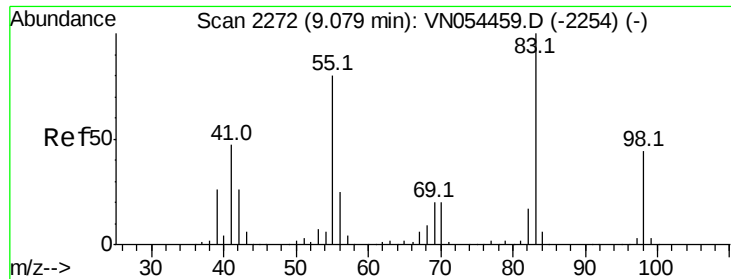
MMDadoda
3/27/2019 9:10:04 AM



#38
Carbon Tetrachloride
Concen: 51.446 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.3	114.5
121	31.4	24.6	36.8





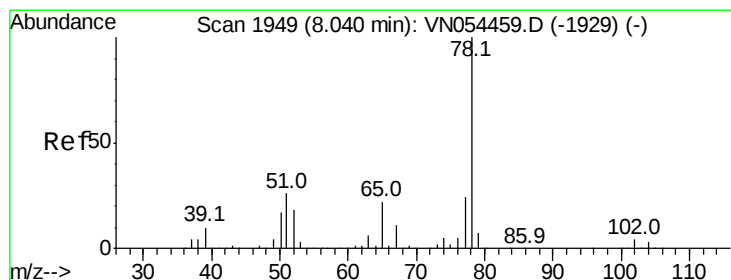
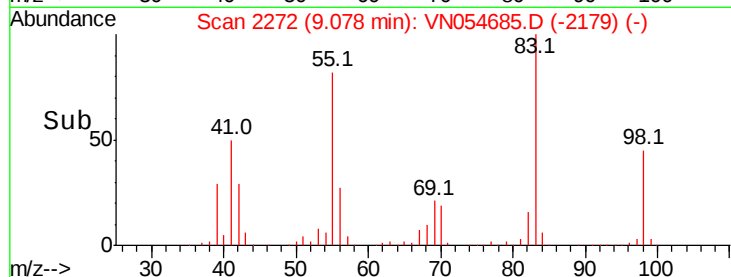
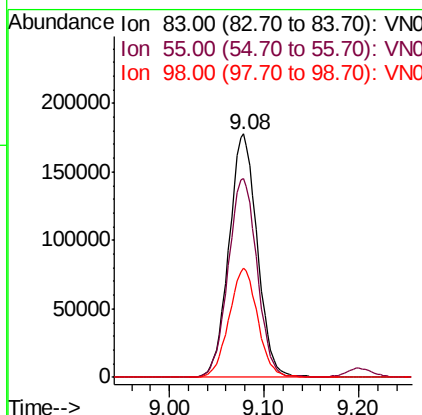
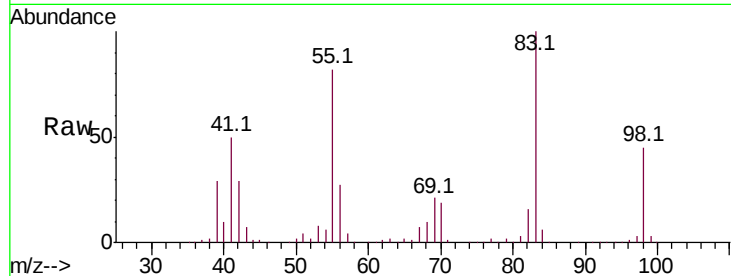
#39
Methvlcvclohexane
Concen: 51.142 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	56.6	84.8
98	45.0	38.4	57.6

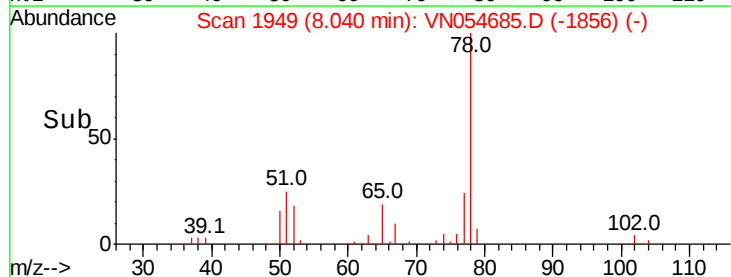
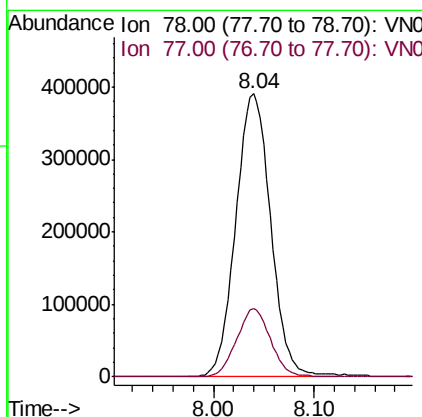
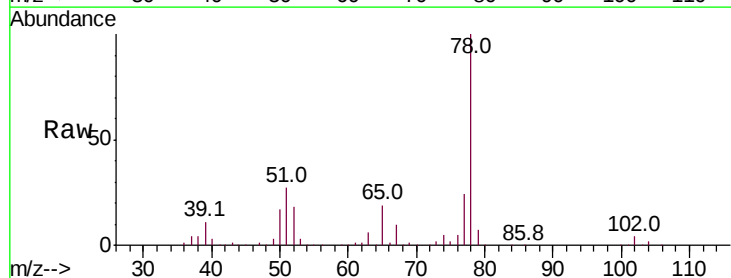
Manual Integrations
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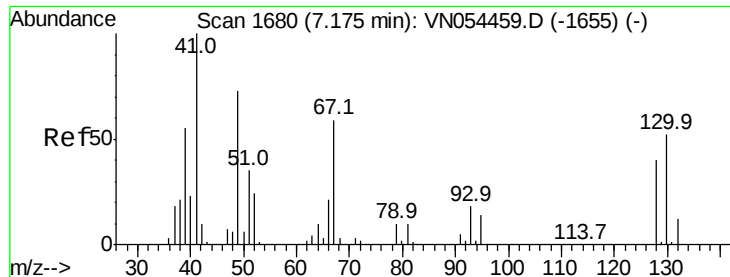
MMDadoda
3/27/2019 9:10:04 AM



#40
Benzene
Concen: 52.000 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.1	28.7





#41

Methacrylonitrile

Concen: 52.159 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 142875
Ion Ratio Lower Upper

41 100

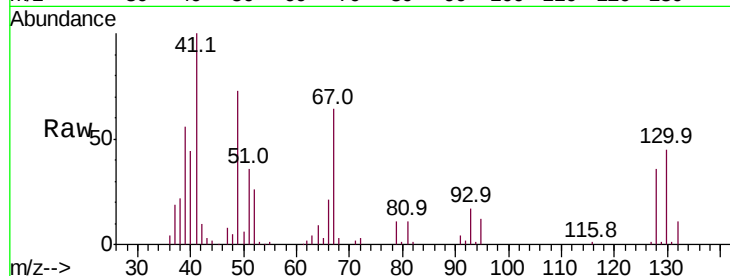
39 61.3 46.8 70.2

67 65.9 67.0 100.4#

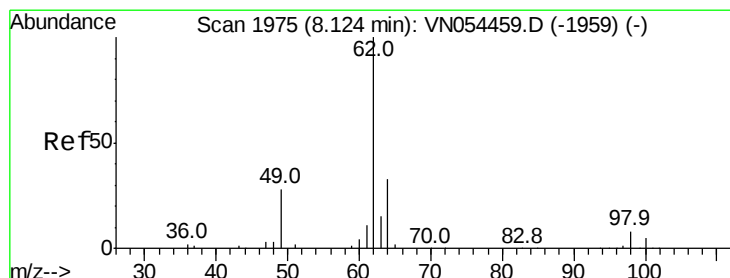
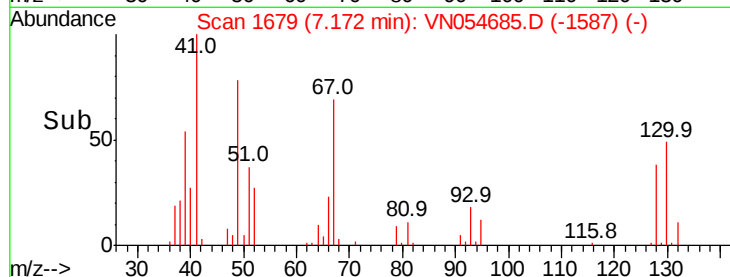
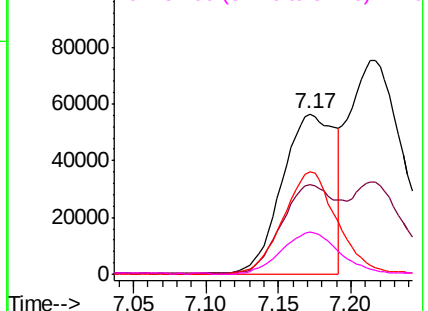
52 28.4 26.5 39.7

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Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 52.259 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

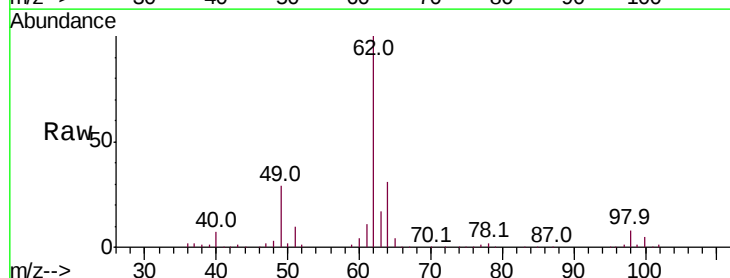
Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

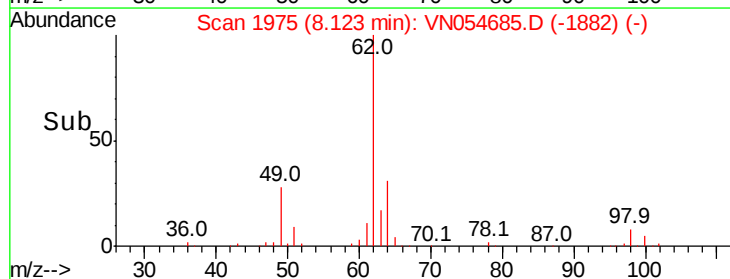
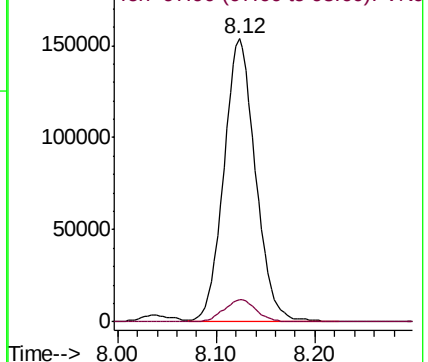
Tgt Ion: 62 Resp: 343685
Ion Ratio Lower Upper

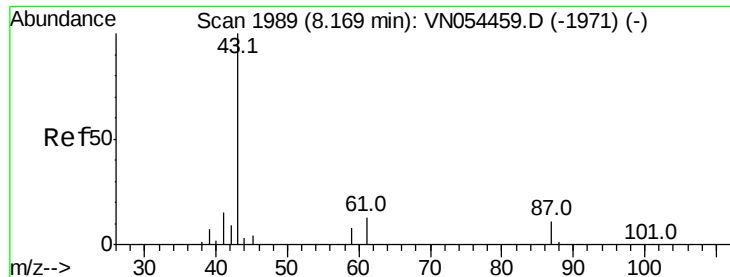
62 100

98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 53.624 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

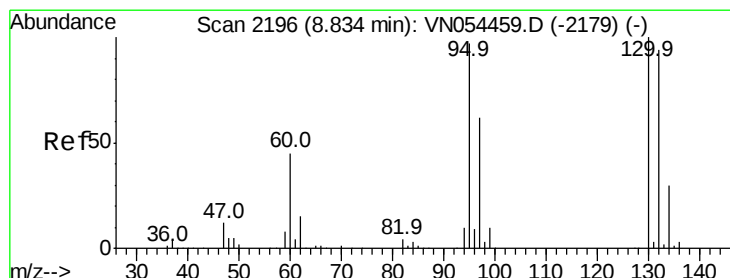
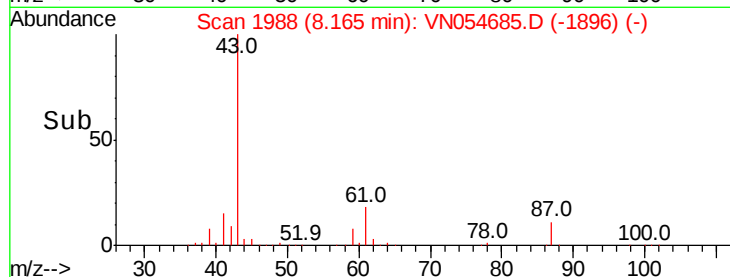
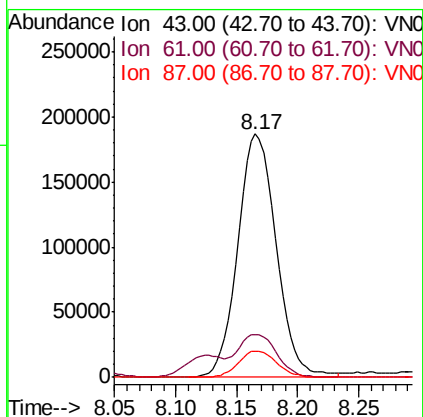
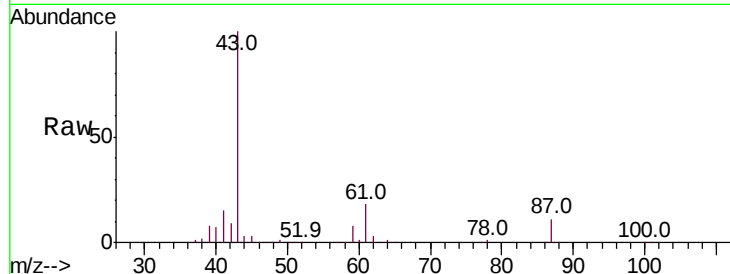
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	406774
Ion	Ratio	Lower	Upper
43	100		
61	17.3	15.8	23.8
87	10.8	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 49.071 ug/l

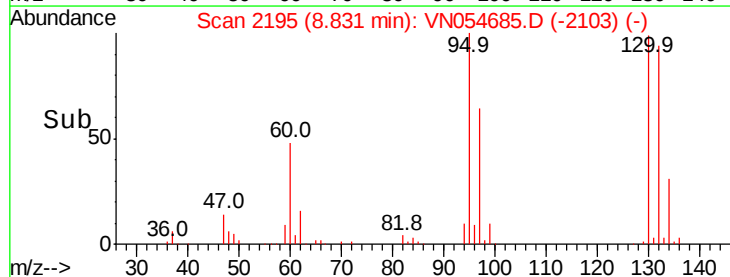
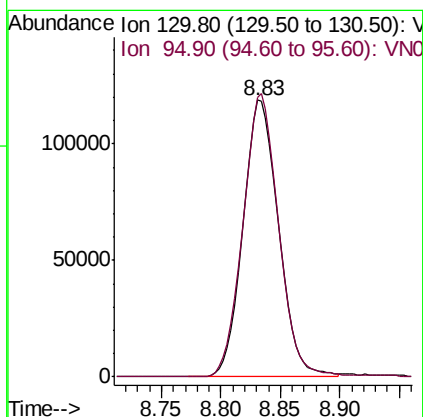
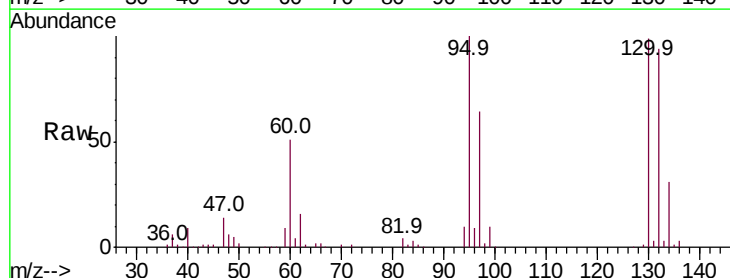
RT: 8.83 min Scan# 2195

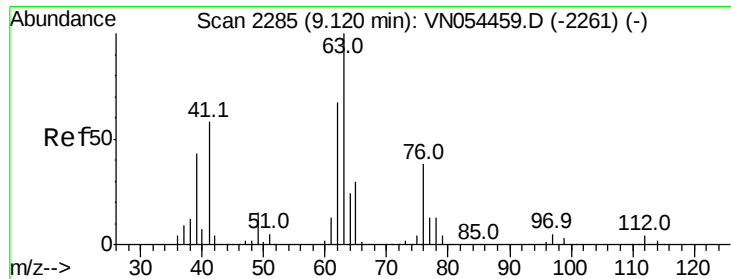
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	130	Resp:	246369
Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	185.2





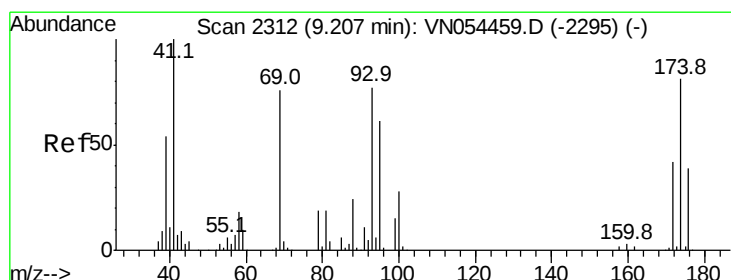
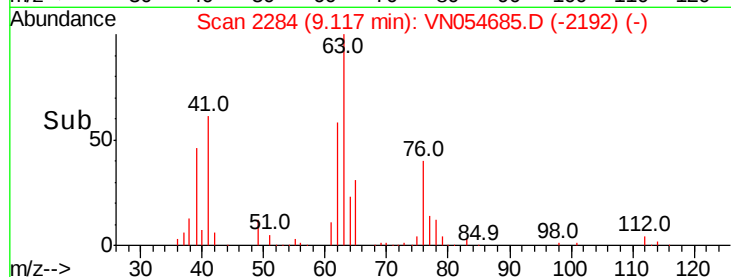
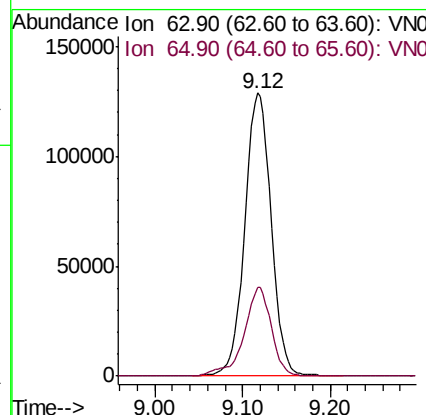
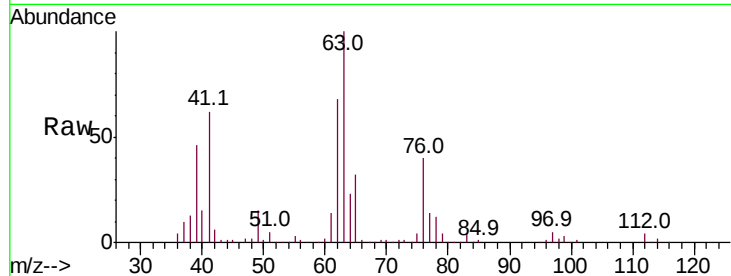
#45
1,2-Dichloropropane
Concen: 55.703 ug/l
RT: 9.12 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 63 Resp: 270112
Ion Ratio Lower Upper
63 100
65 31.5 25.0 37.6

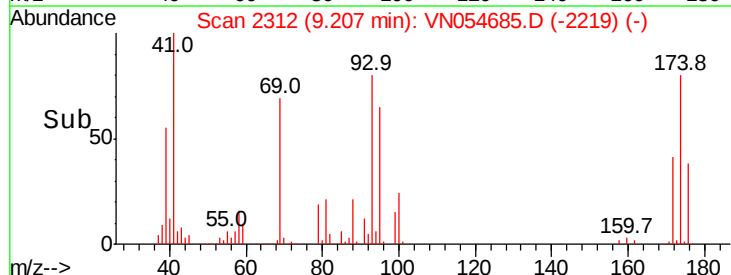
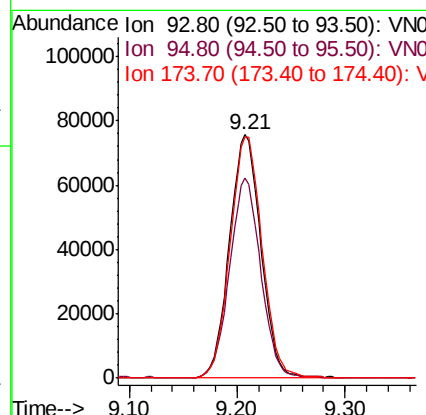
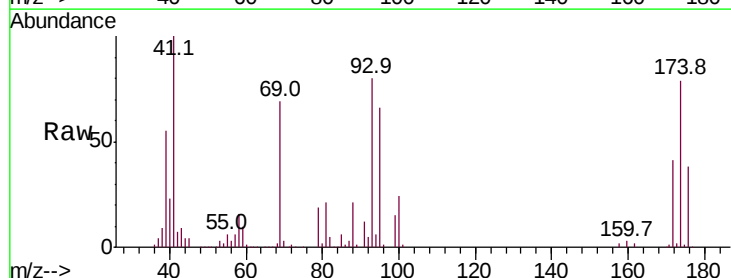
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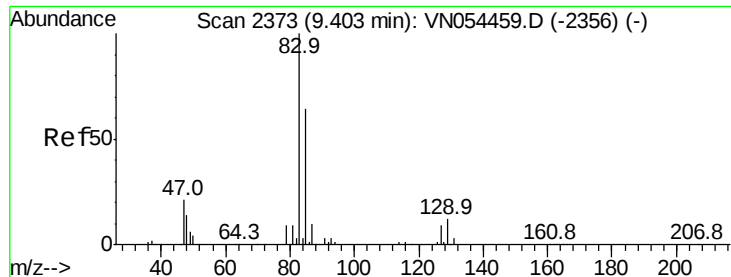
MMDadoda
3/27/2019 9:10:04 AM



#46
Dibromomethane
Concen: 53.270 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 93 Resp: 154105
Ion Ratio Lower Upper
93 100
95 81.6 66.7 100.1
174 100.9 98.5 147.7





#47

Bromodichloromethane

Concen: 54.512 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

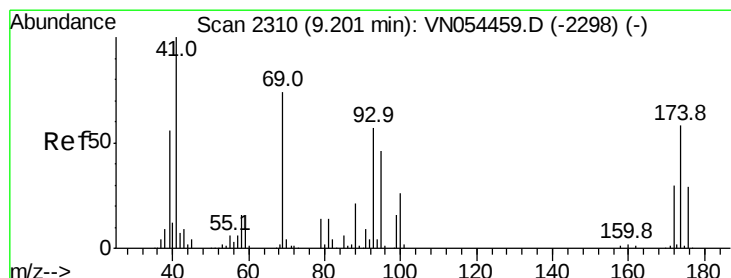
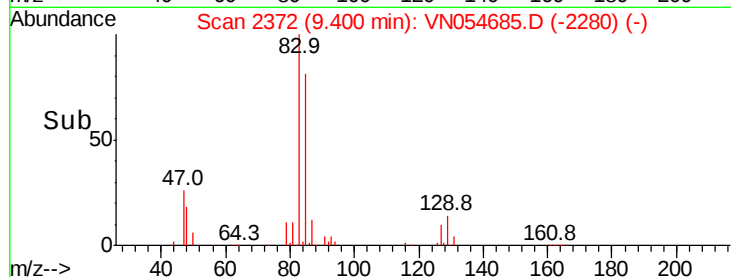
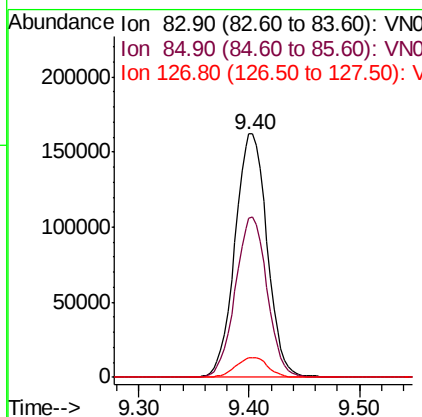
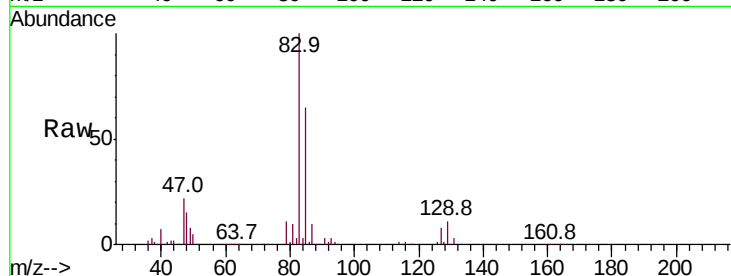
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	327278
Ion Ratio	Lower	Upper	
83	100		
85	65.5	52.8	79.2
127	8.0	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.890 ug/l

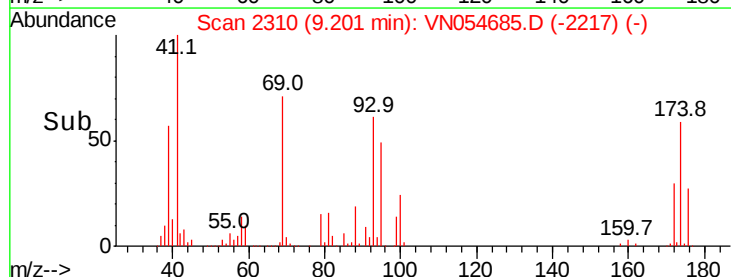
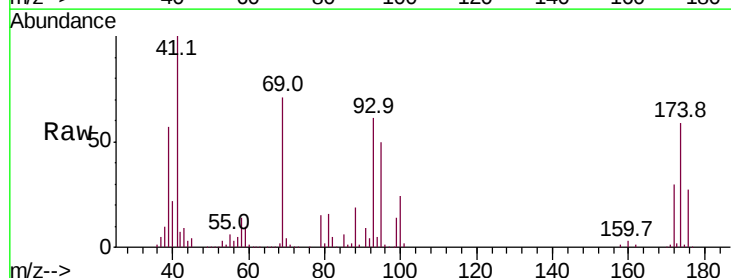
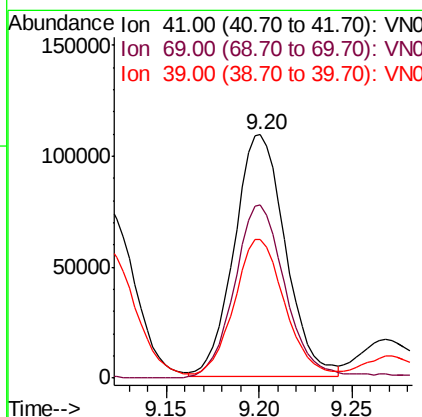
RT: 9.20 min Scan# 2310

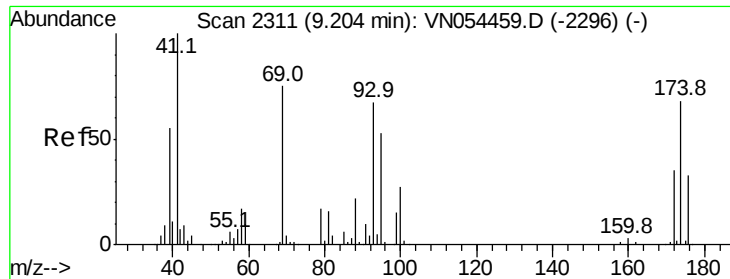
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	41	Resp:	209525
Ion Ratio	Lower	Upper	
41	100		
69	71.8	72.6	108.8#
39	56.9	47.5	71.3





#49

1,4-Dioxane

Concen: 949.851 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 43720

Ion Ratio Lower Upper

88 100

43 40.2 24.1 36.1#

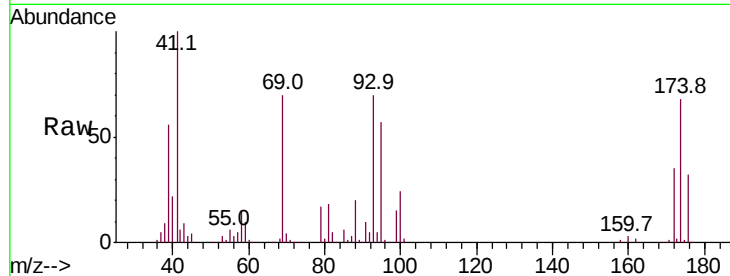
58 74.5 50.8 76.2

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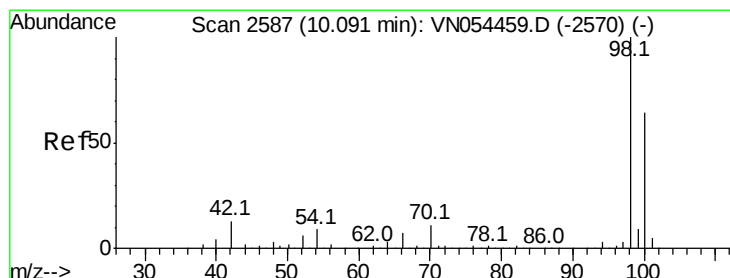
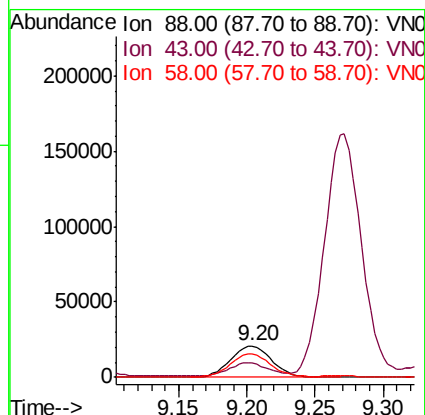
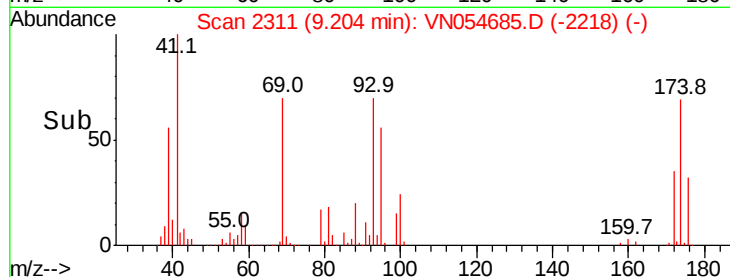


Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)

Time-->



#50

Toluene-d8

Concen: 49.935 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054685.D

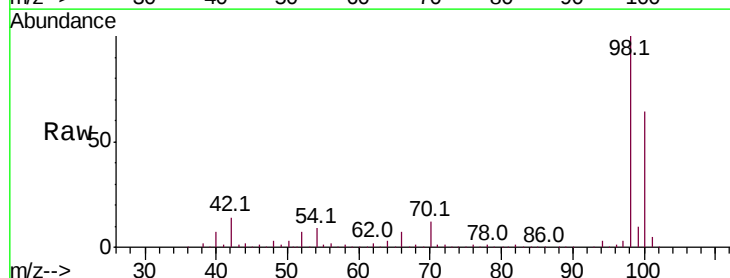
Acq: 26 Mar 2019 9:10

Tgt Ion: 98 Resp: 816857

Ion Ratio Lower Upper

98 100

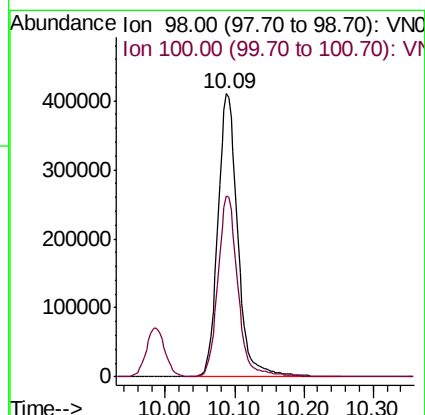
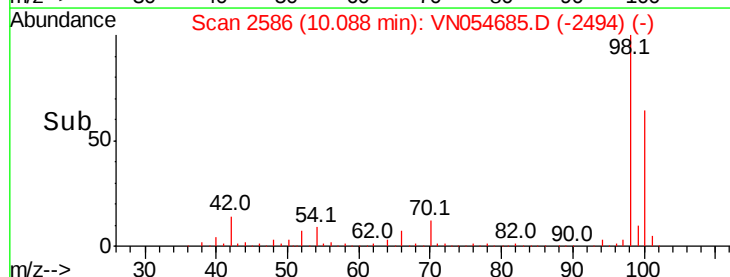
100 63.8 51.2 76.8

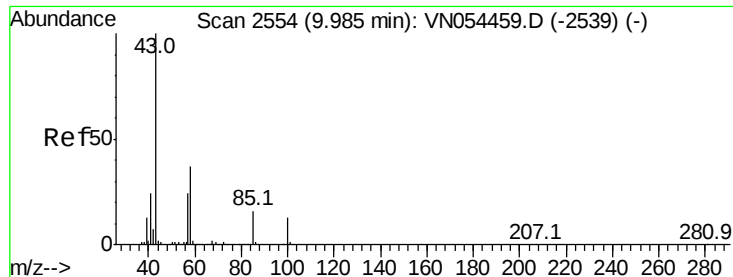


Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

Time-->





#51

4-Methyl-2-Pentanone

Concen: 270.760 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1138280

Ion Ratio Lower Upper

43 100

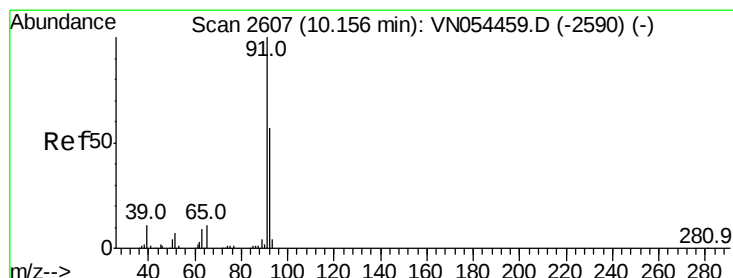
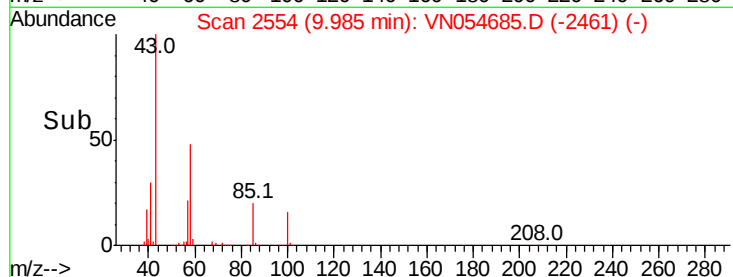
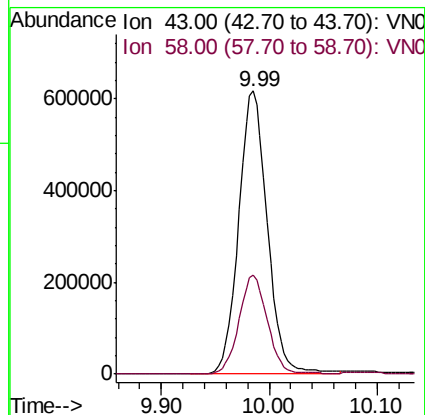
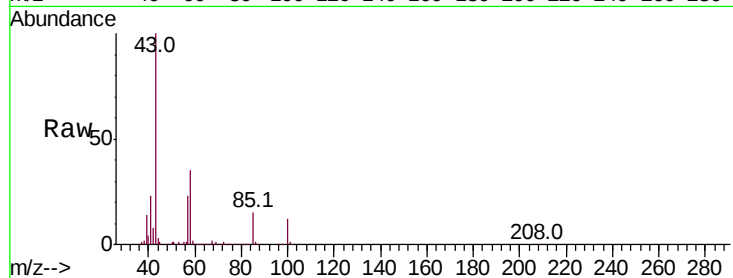
58 34.9 31.8 47.6

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#52

Toluene

Concen: 51.288 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054685.D

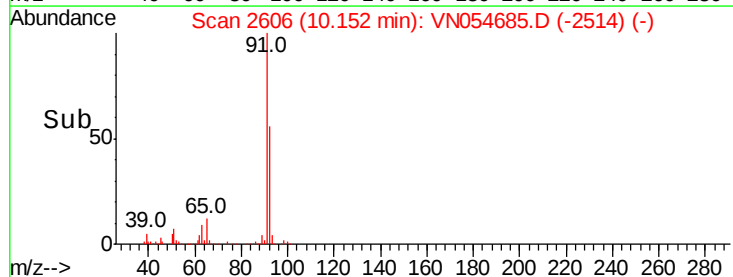
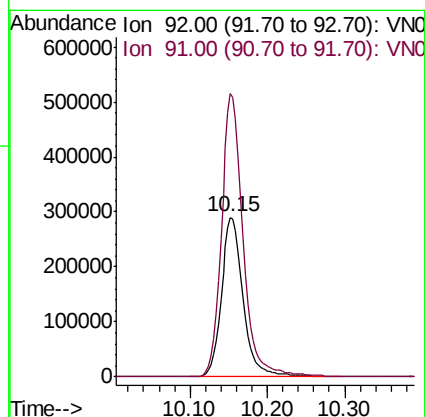
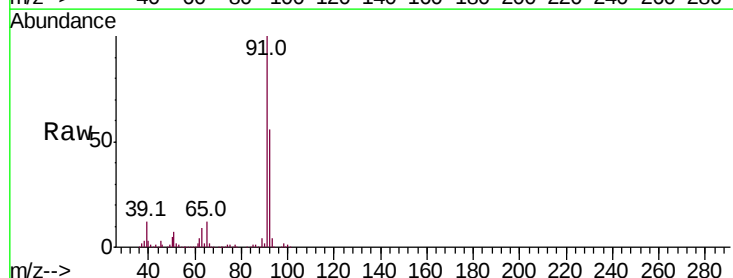
Acq: 26 Mar 2019 9:10

Tgt Ion: 92 Resp: 569657

Ion Ratio Lower Upper

92 100

91 176.1 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 49.976 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 316507

Ion Ratio Lower Upper

75 100

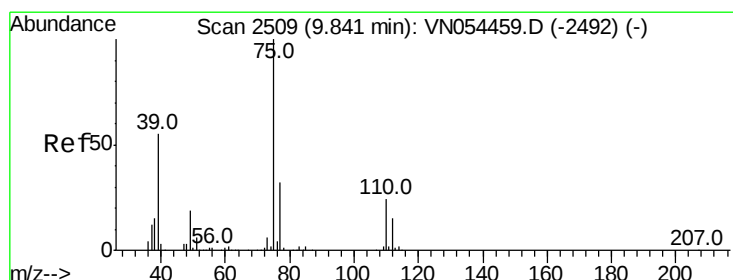
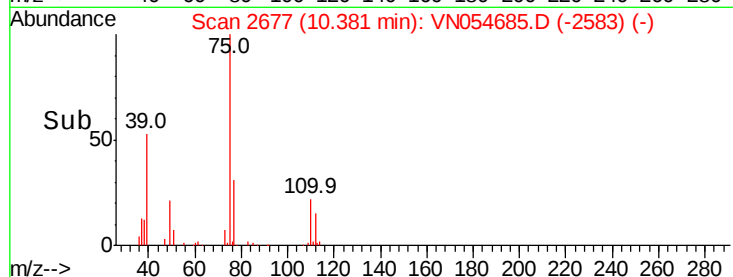
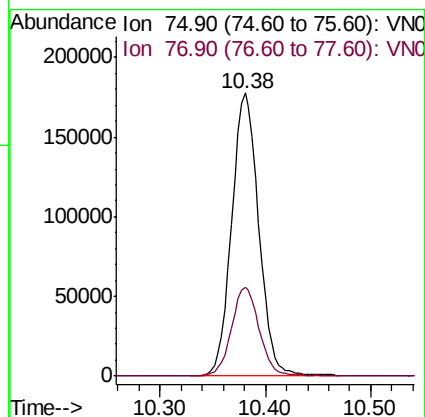
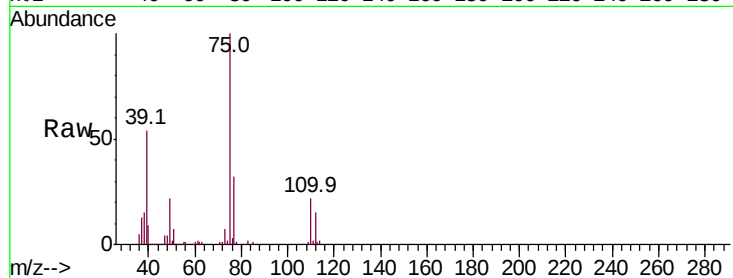
77 31.3 25.8 38.8

Manual Integrations

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MMDadoda

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#54

cis-1,3-Dichloropropene

Concen: 55.256 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

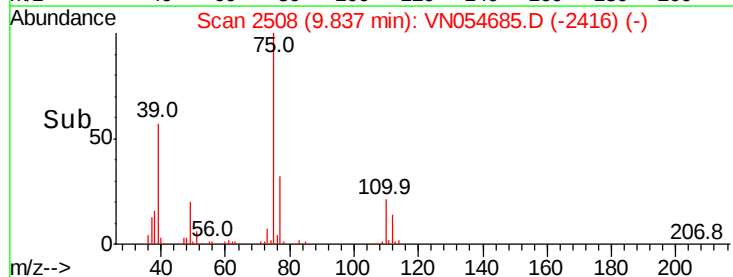
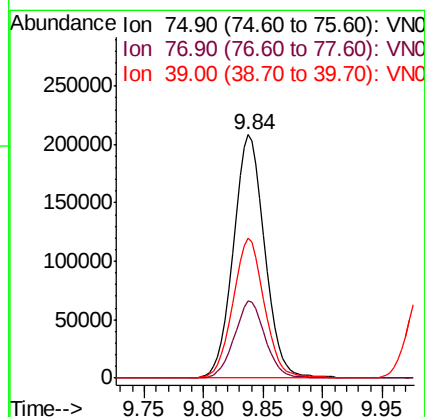
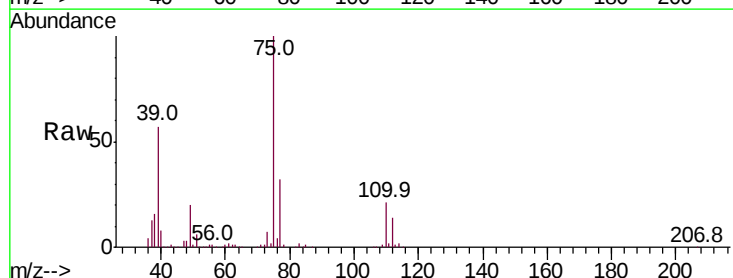
Tgt Ion: 75 Resp: 380379

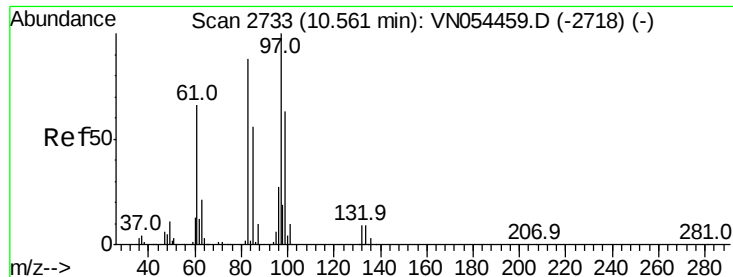
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 57.2 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 51.325 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

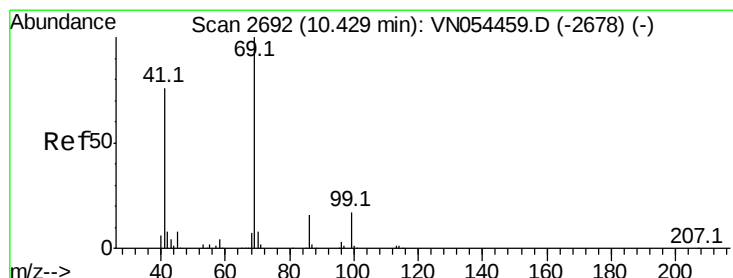
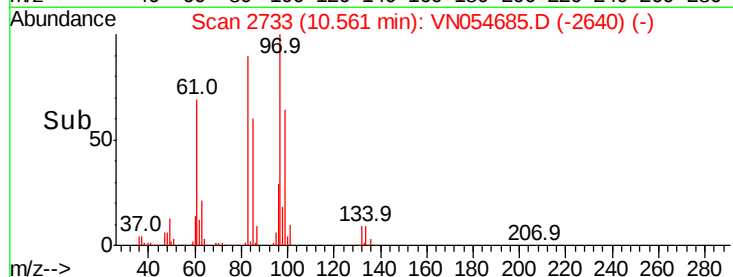
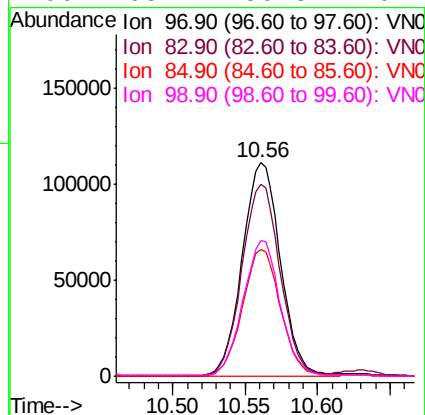
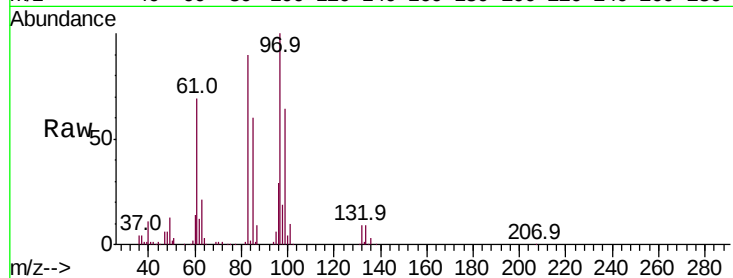
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	204919
Ion	Ratio	Lower	Upper
97	100		
83	90.2	66.6	100.0
85	59.6	44.4	66.6
99	63.4	50.8	76.2

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#56

Ethyl methacrylate

Concen: 51.042 ug/l

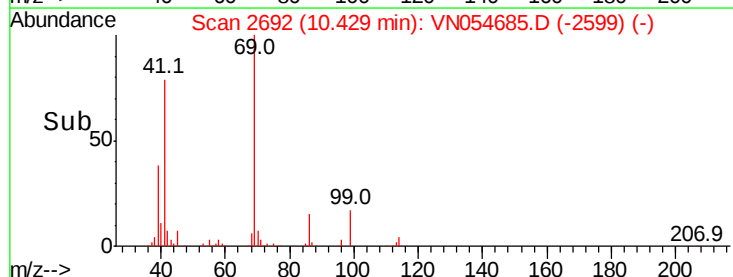
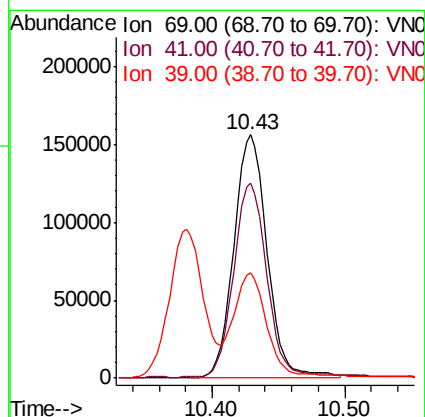
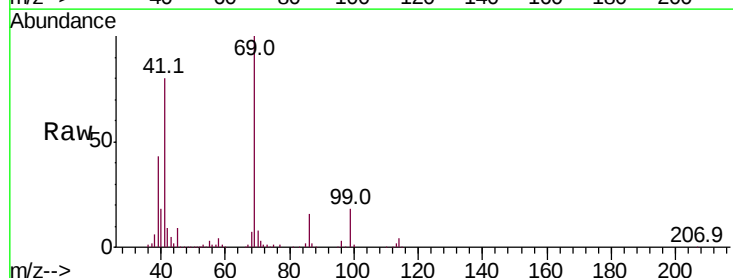
RT: 10.43 min Scan# 2692

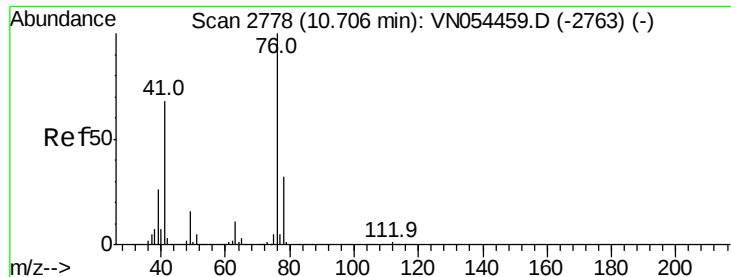
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	69	Resp:	273526
Ion	Ratio	Lower	Upper
69	100		
41	79.7	49.4	74.2#
39	42.2	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.895 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 367106

Ion Ratio Lower Upper

76 100

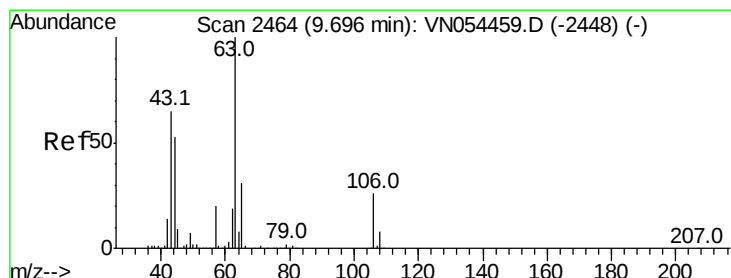
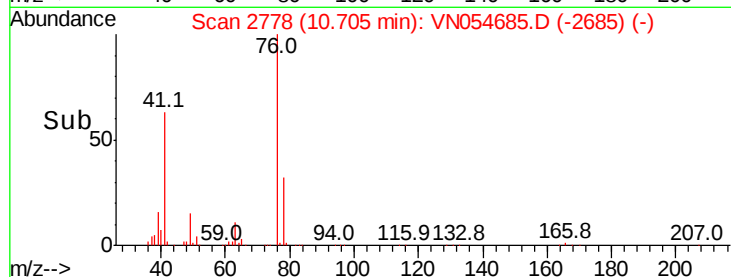
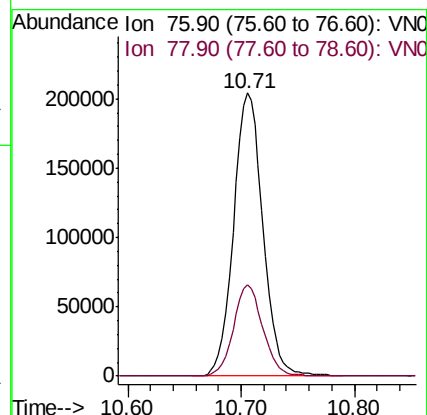
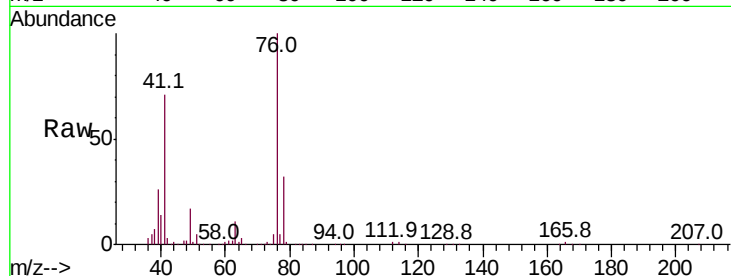
78 32.3 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 236.564 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054685.D

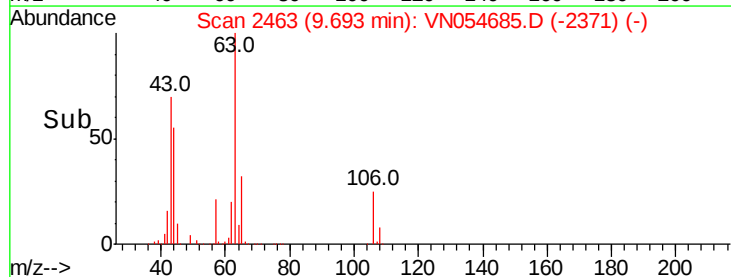
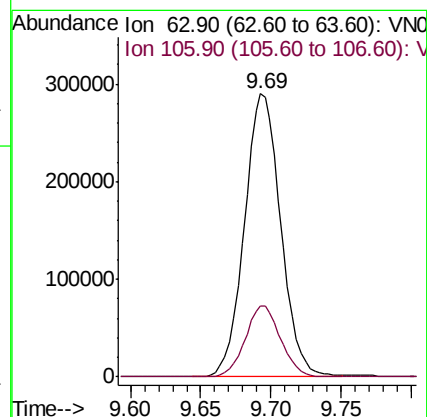
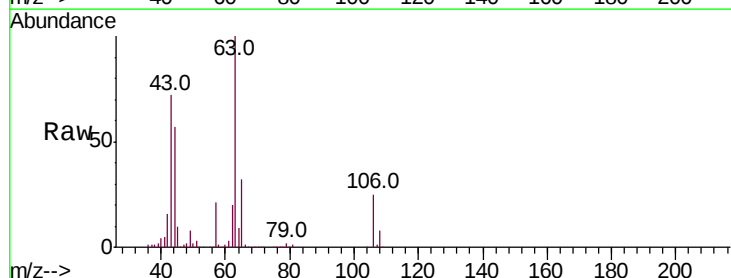
Acq: 26 Mar 2019 9:10

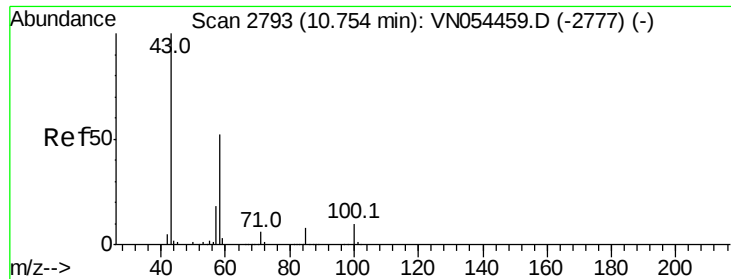
Tgt Ion: 63 Resp: 522011

Ion Ratio Lower Upper

63 100

106 24.6 24.4 36.6





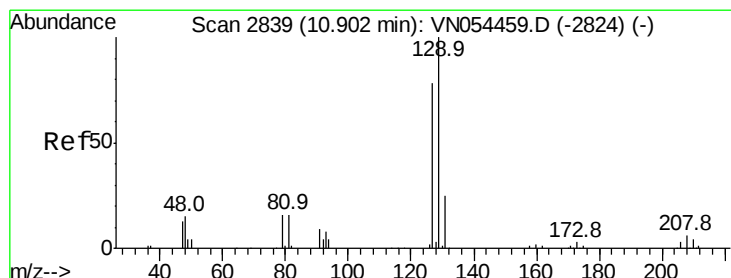
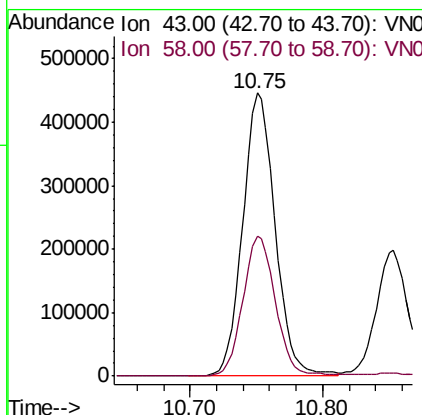
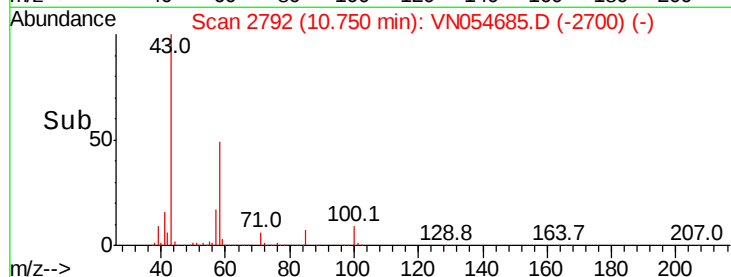
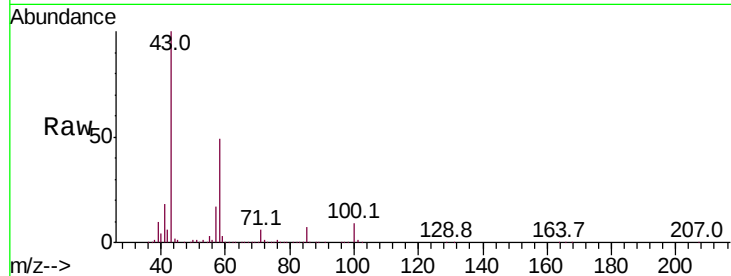
#59
2-Hexanone
Concen: 274.679 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 754274
Ion Ratio Lower Upper
43 100
58 50.1 28.0 83.9

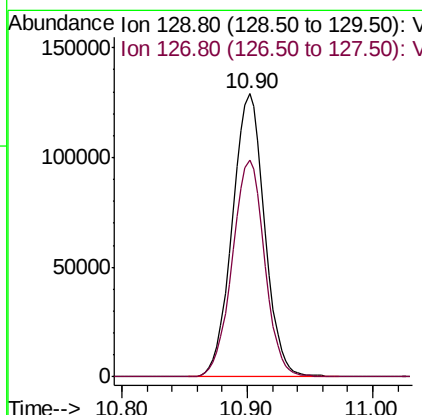
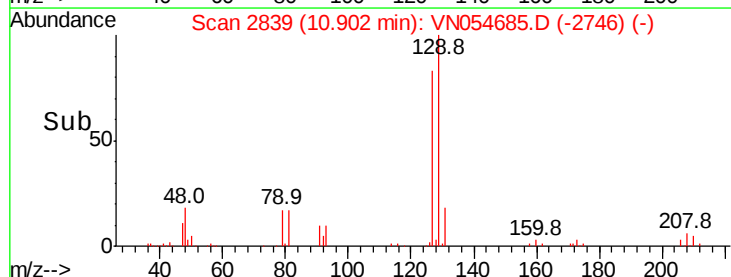
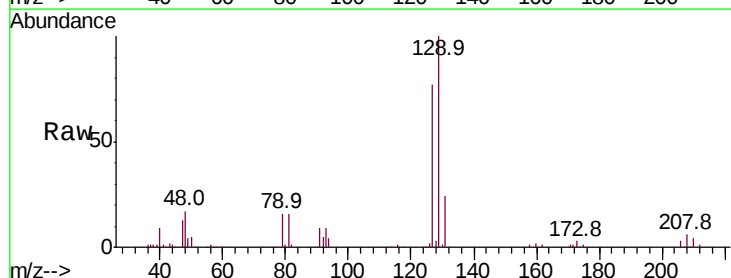
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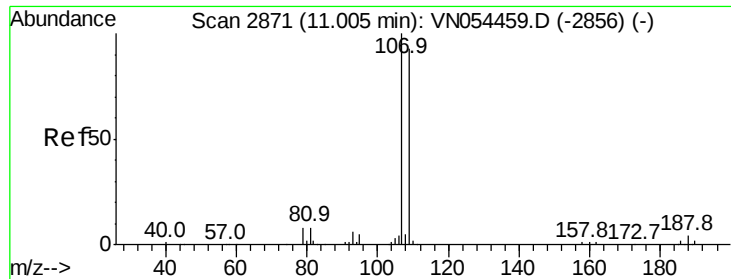
MMDadoda
3/27/2019 9:10:04 AM



#60
Dibromochloromethane
Concen: 54.456 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 129 Resp: 231355
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.713 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 204117

Ion Ratio Lower Upper

107 100

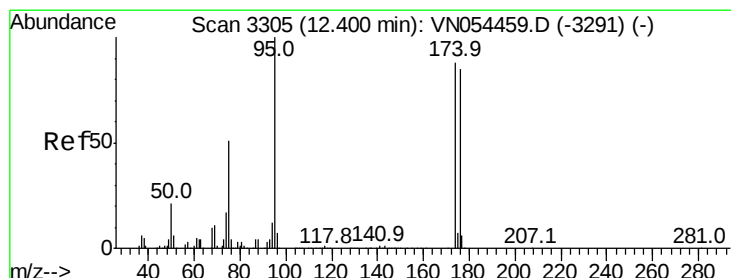
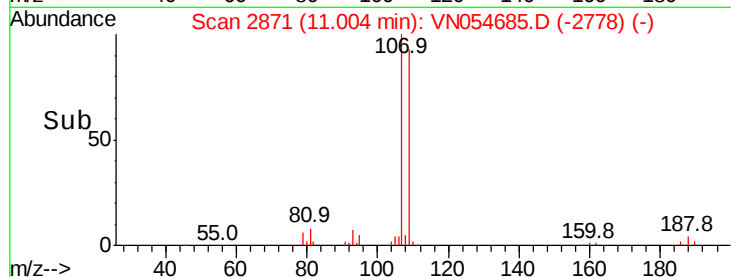
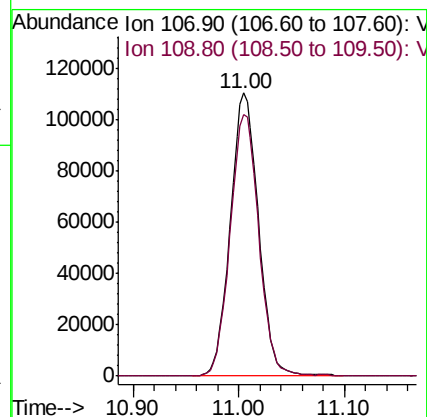
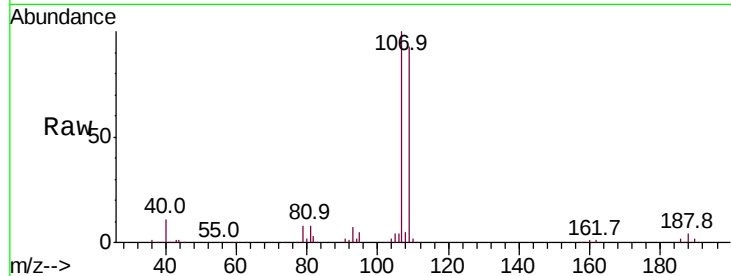
109 93.8 75.9 113.9

Manual Integrations

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MMDadoda

3/27/2019 9:10:04 AM



#62

4-Bromofluorobenzene

Concen: 51.630 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

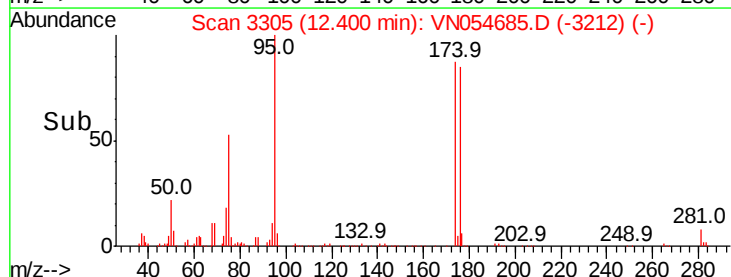
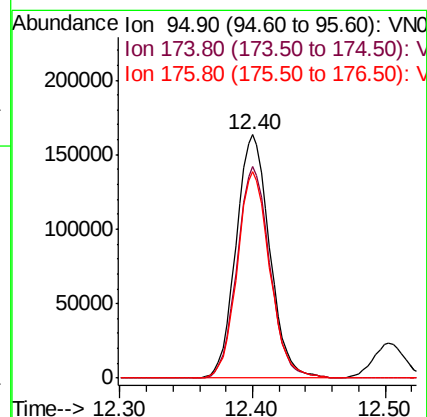
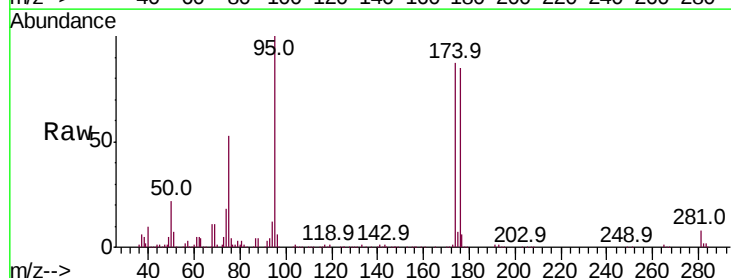
Tgt Ion: 95 Resp: 287398

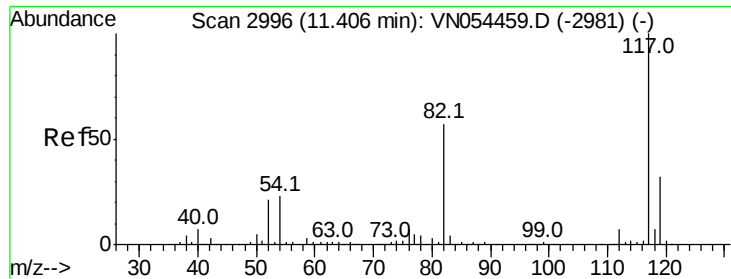
Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

176 82.4 0.0 187.4





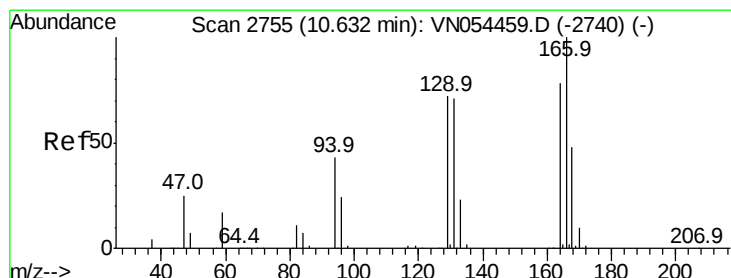
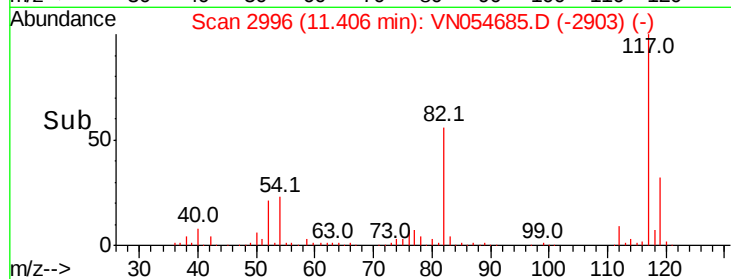
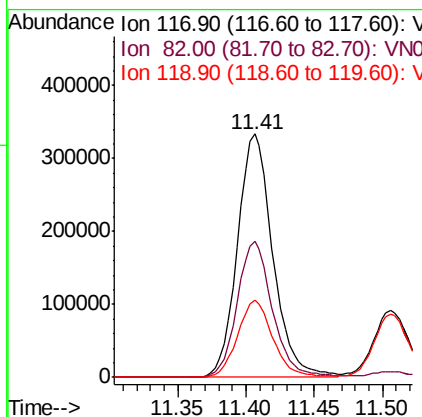
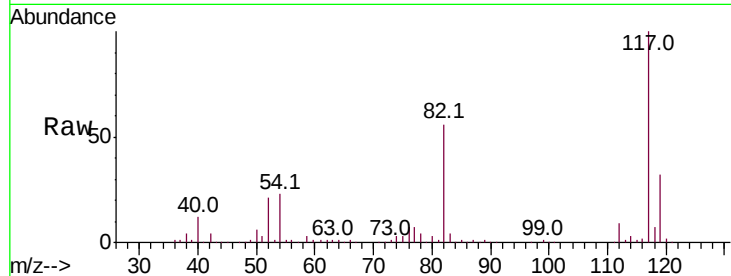
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	40.0	60.0
119	31.6	25.8	38.6

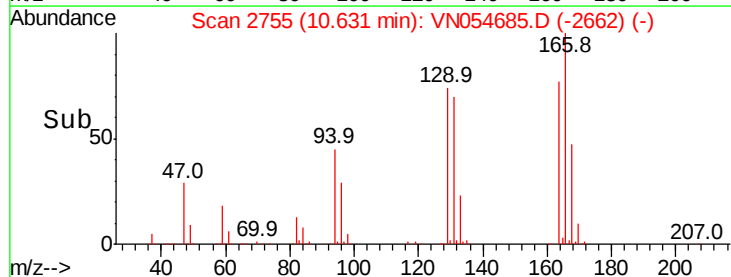
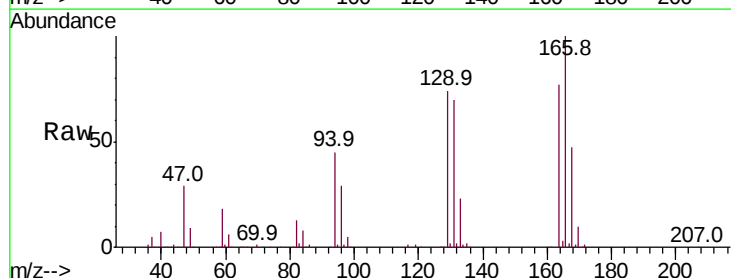
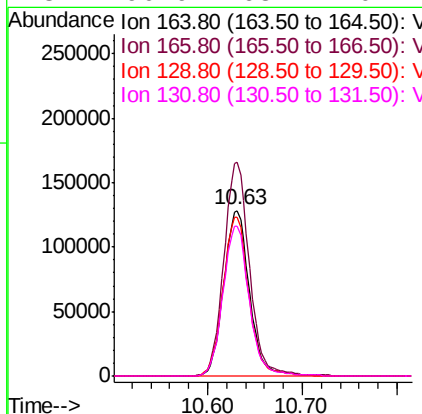
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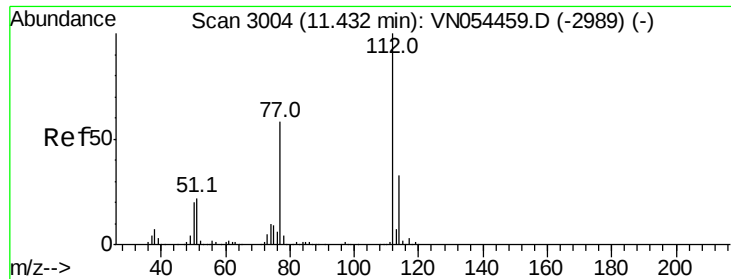
MMDadoda
3/27/2019 9:10:04 AM



#64
Tetrachloroethene
Concen: 48.790 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.9	155.9
129	96.0	71.1	106.7
131	90.9	68.2	102.4





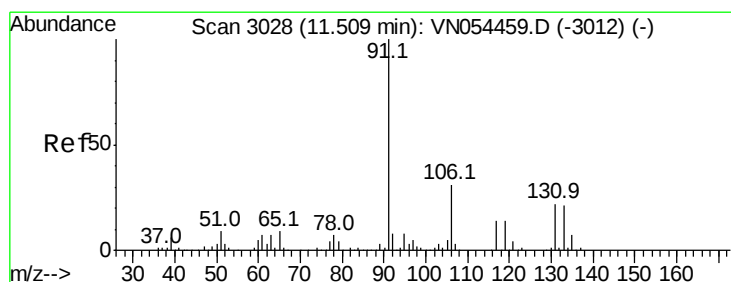
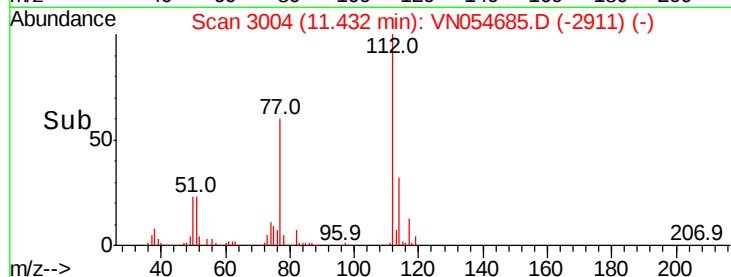
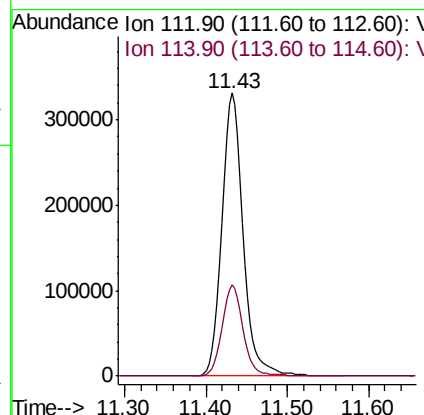
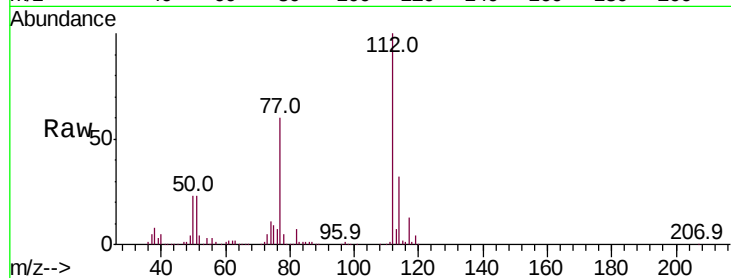
#65
Chlorobenzene
Concen: 50.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9

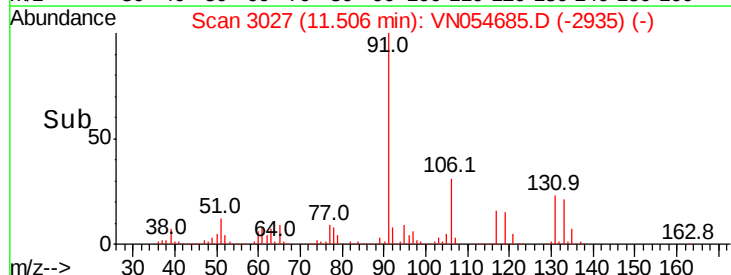
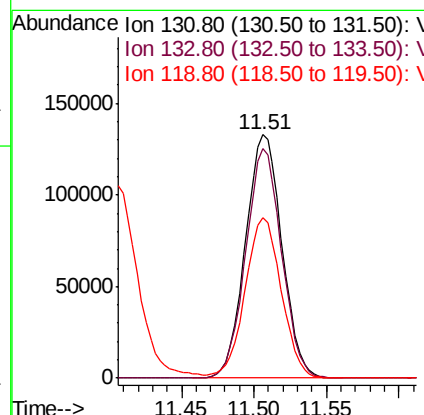
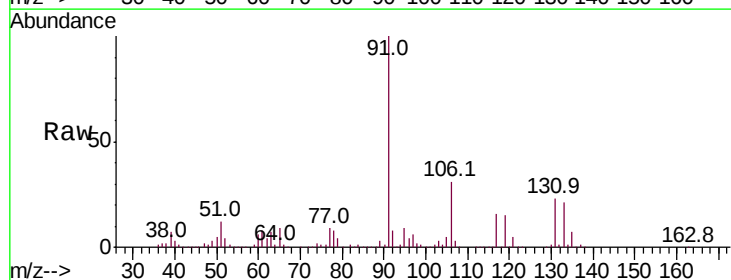
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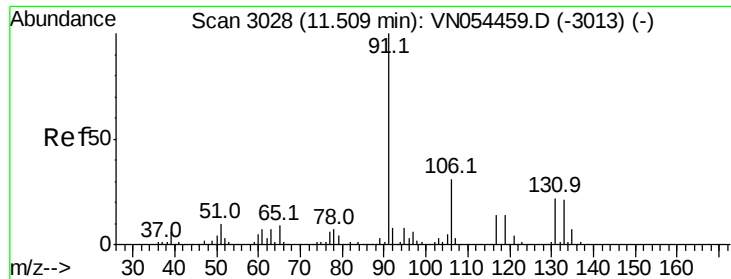
MMDadoda
3/27/2019 9:10:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.040 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	47.6	142.9
119	65.6	32.4	97.0





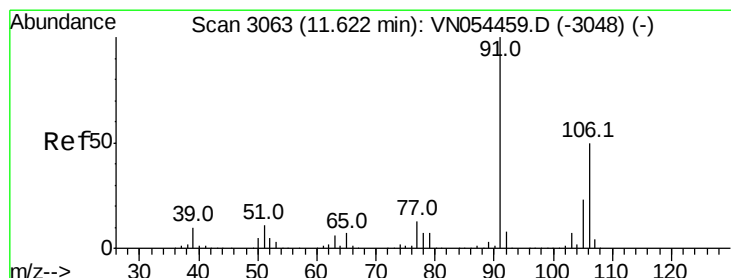
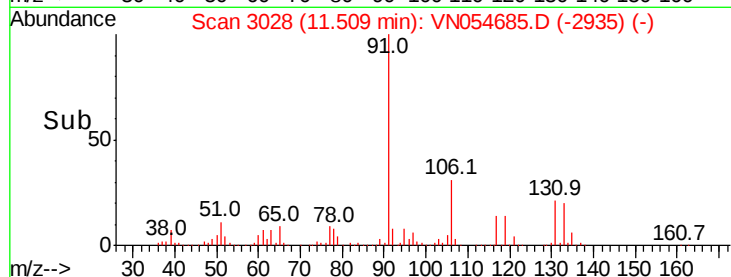
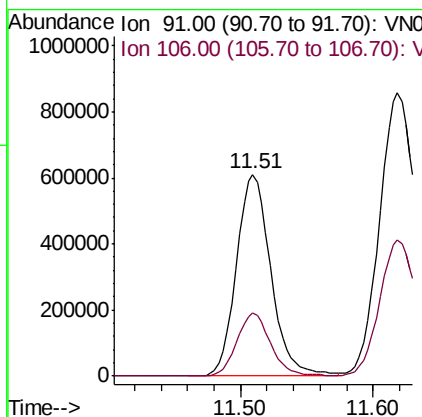
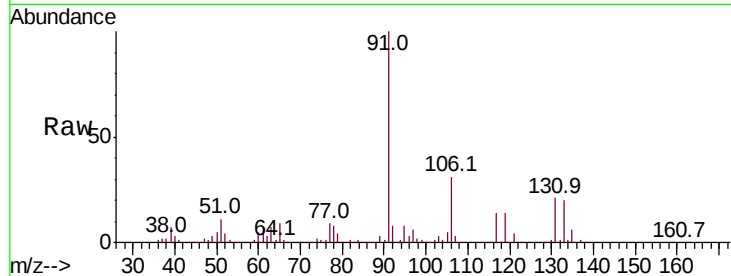
#67
Ethyl Benzene
Concen: 51.103 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1103585
Ion Ratio Lower Upper
91 100
106 31.1 25.5 38.3

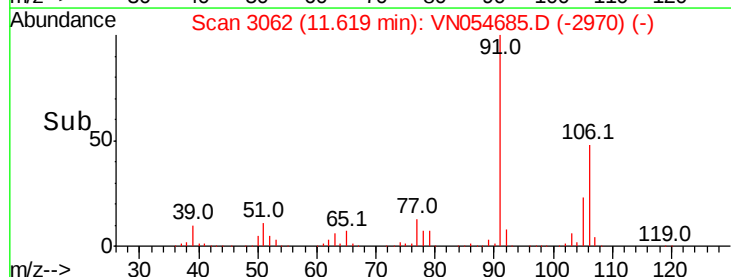
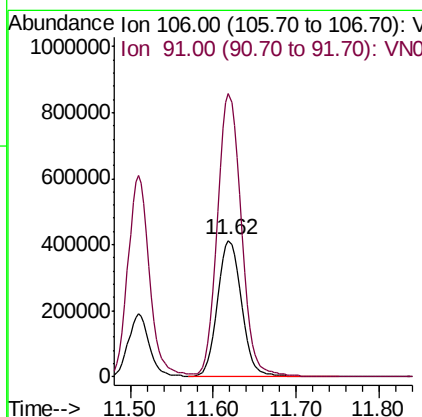
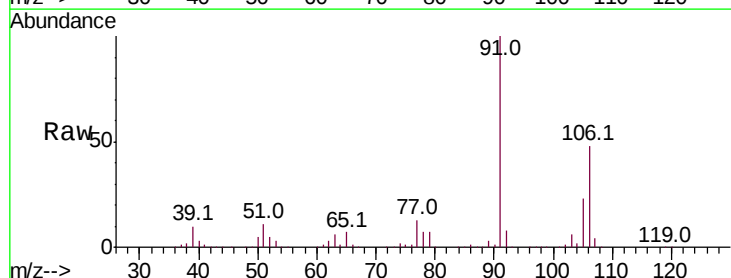
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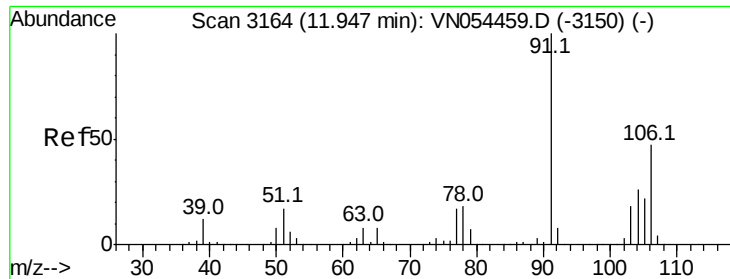
MMDadoda
3/27/2019 9:10:04 AM



#68
m/p-Xylenes
Concen: 101.918 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion: 106 Resp: 833666
Ion Ratio Lower Upper
106 100
91 206.3 159.4 239.2





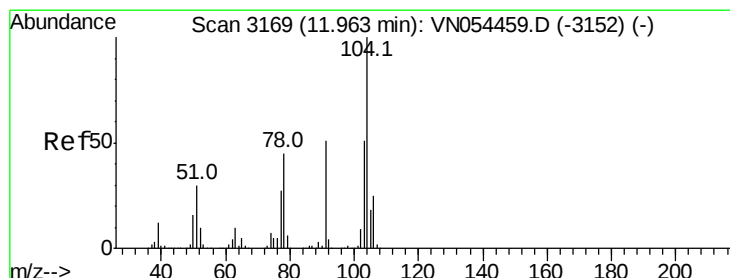
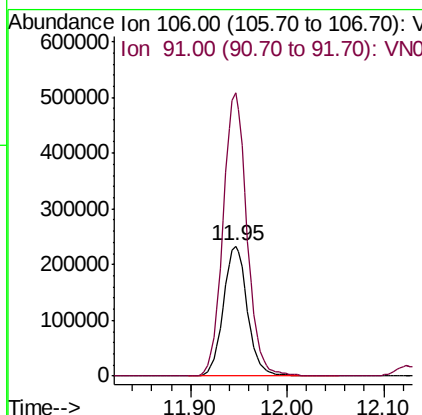
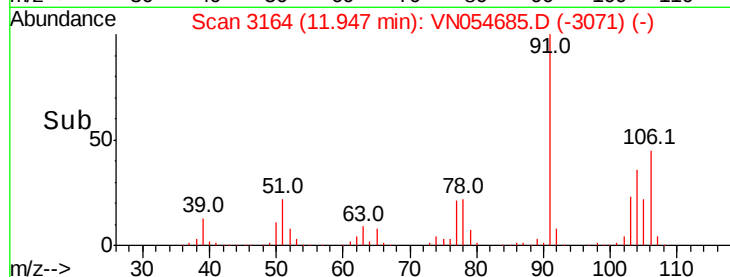
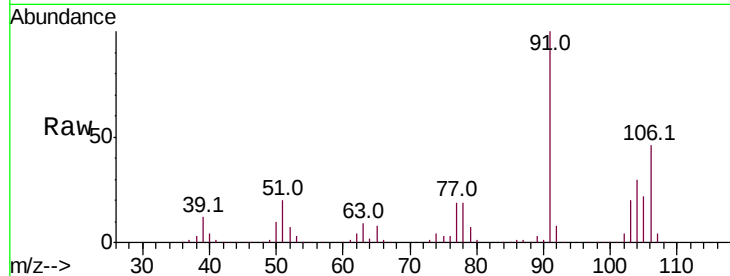
#69
o-Xylene
Concen: 50.490 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 403327
Ion Ratio Lower Upper
106 100
91 216.3 105.7 317.1

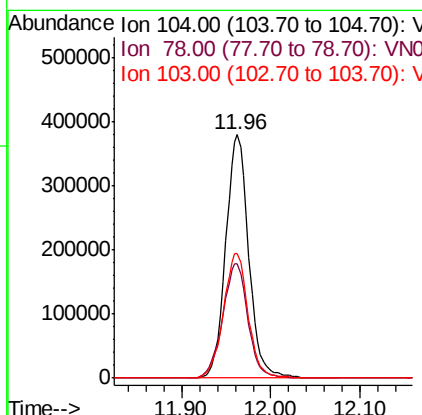
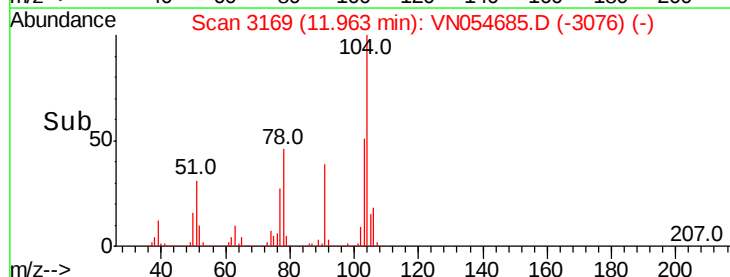
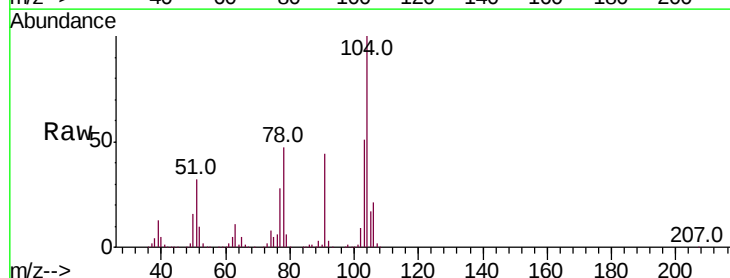
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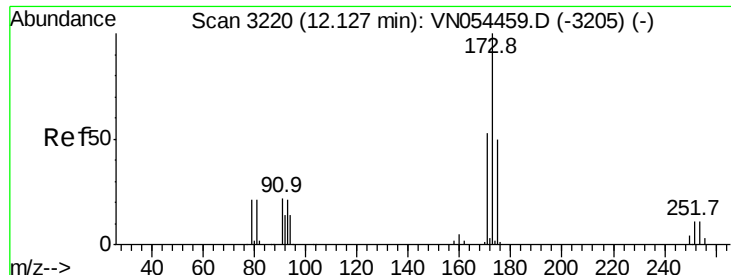
MMDadoda
3/27/2019 9:10:04 AM



#70
Styrene
Concen: 52.146 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion:104 Resp: 676465
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.4 44.4 66.6





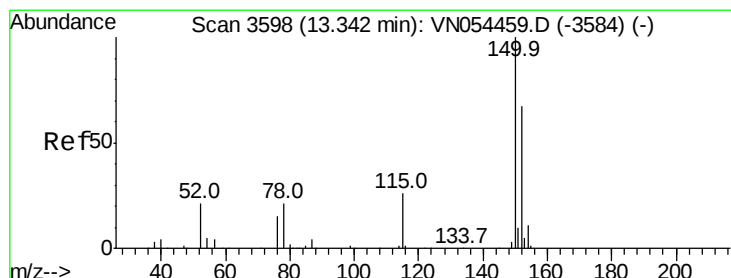
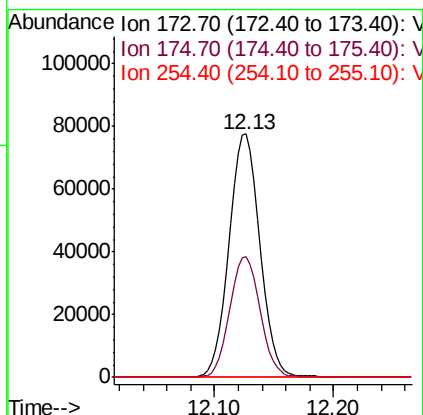
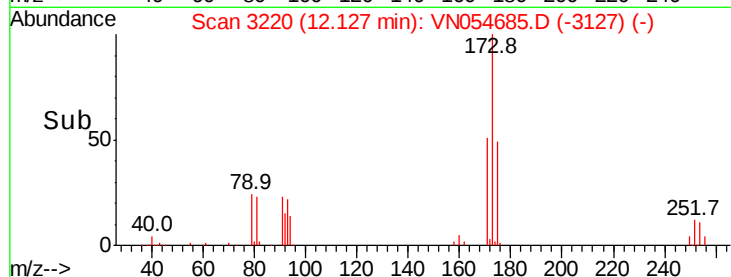
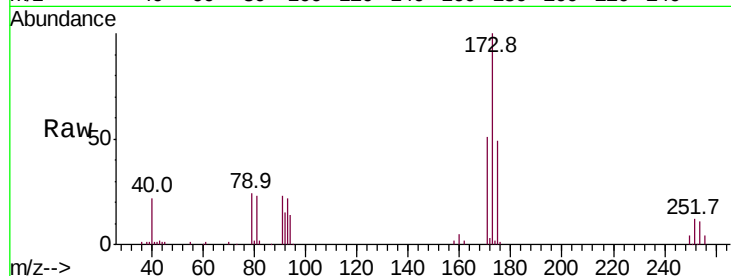
#71
Bromoform
Concen: 46.379 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.2
254	0.1	0.1	0.1#

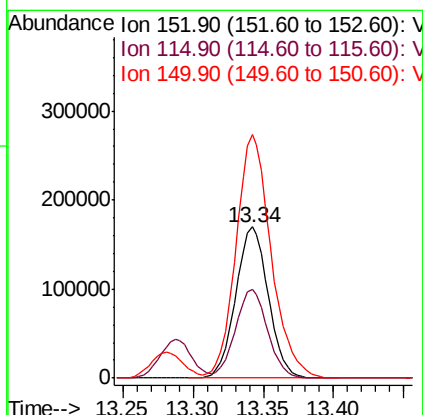
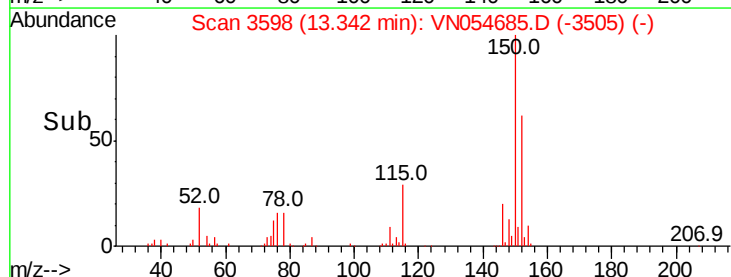
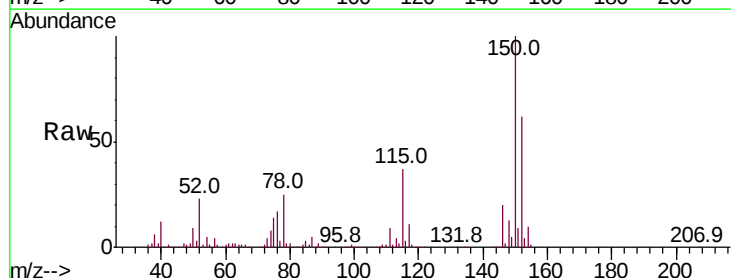
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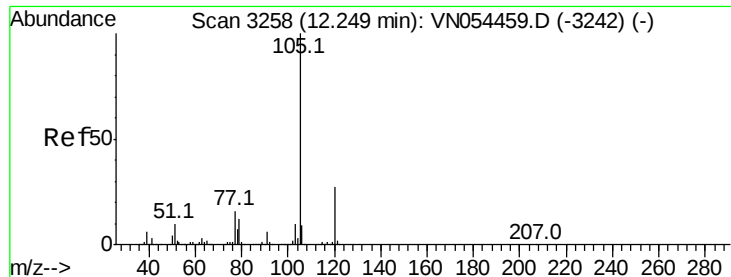
MMDadoda
3/27/2019 9:10:04 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	173.8	0.0	349.2





#73

Isopropylbenzene

Concen: 48.492 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1073576

Ion Ratio Lower Upper

105 100

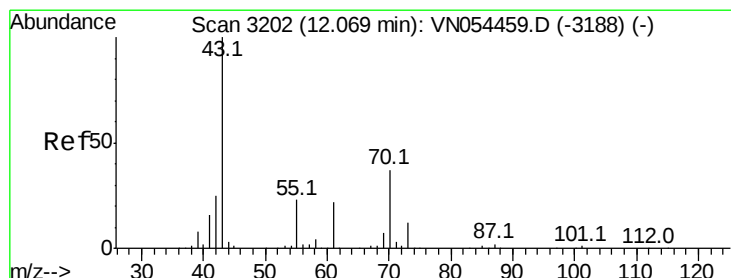
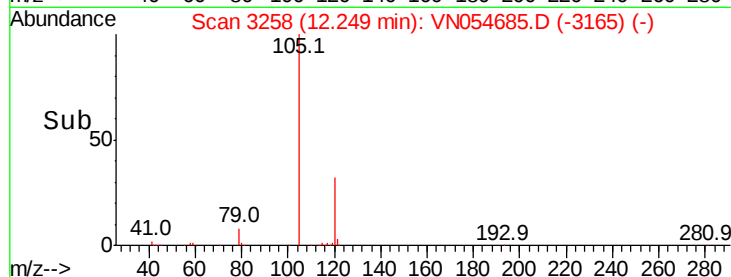
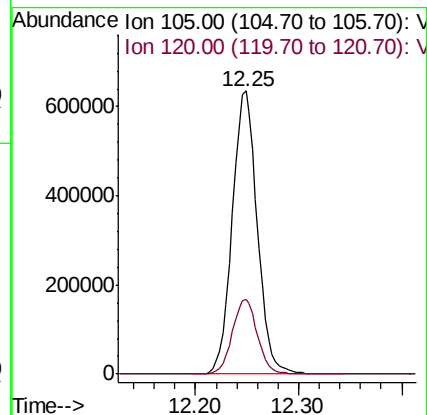
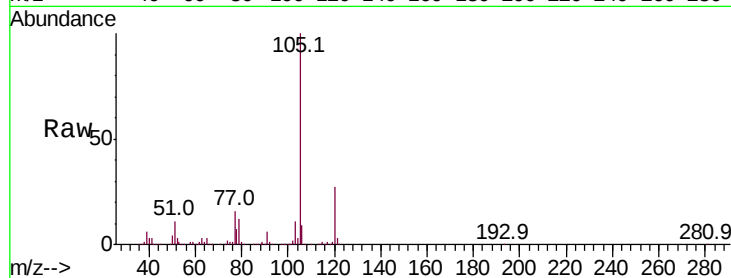
120 26.6 13.8 41.3

Manual Integrations

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3/27/2019 9:10:04 AM



#74

N-ethyl acetate

Concen: 53.672 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion: 43 Resp: 341662

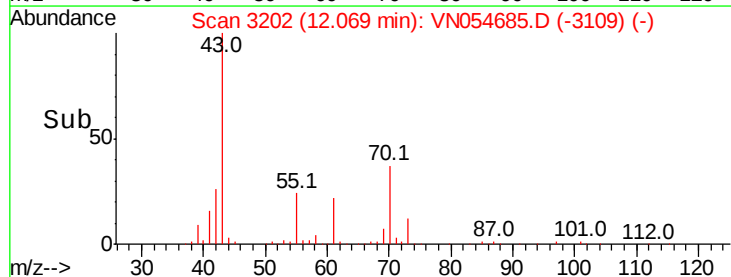
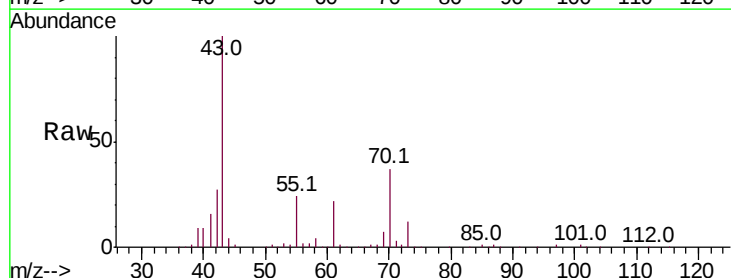
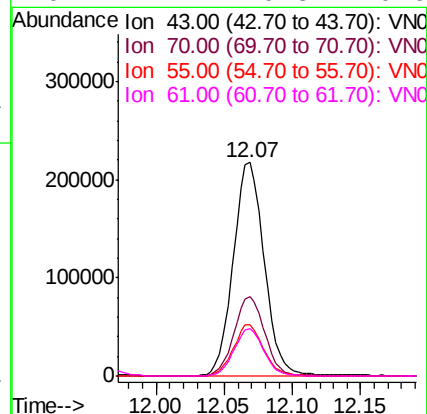
Ion Ratio Lower Upper

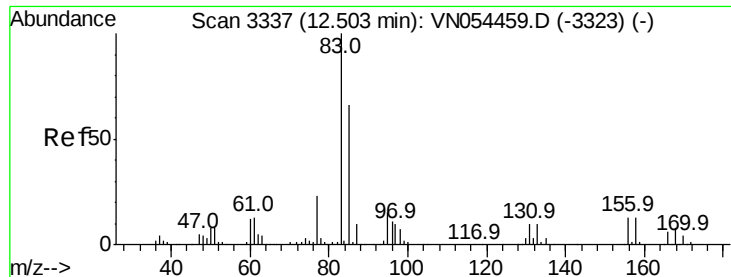
43 100

70 37.2 35.4 53.0

55 23.5 19.8 29.6

61 21.4 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.840 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

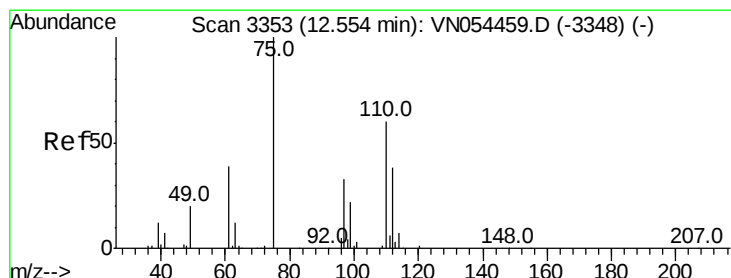
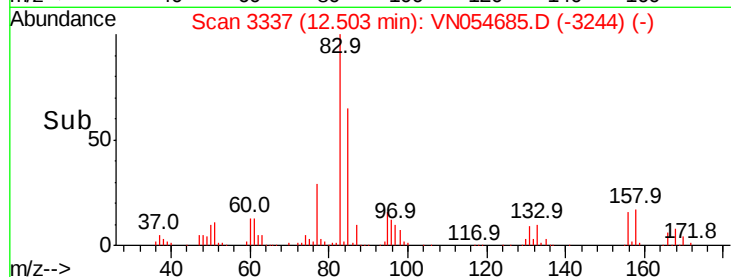
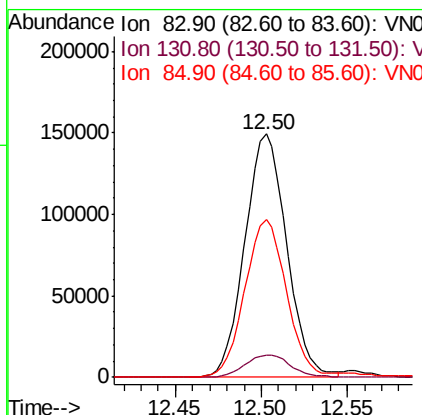
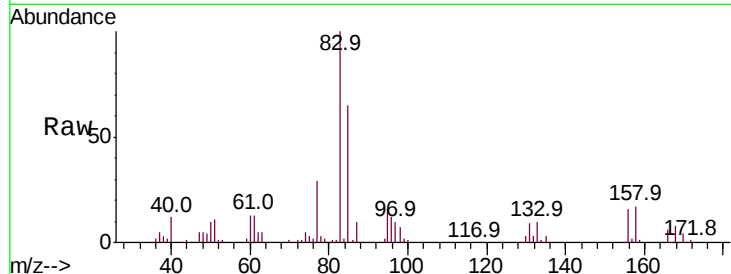
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	251884
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	64.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.058 ug/l m

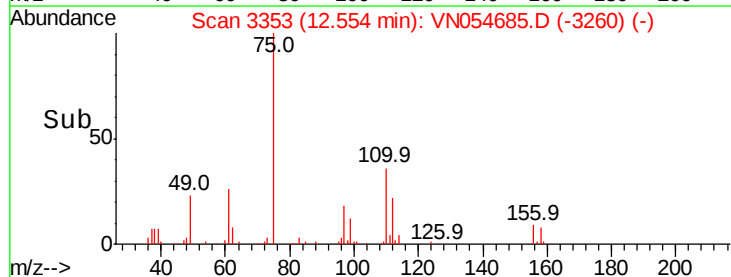
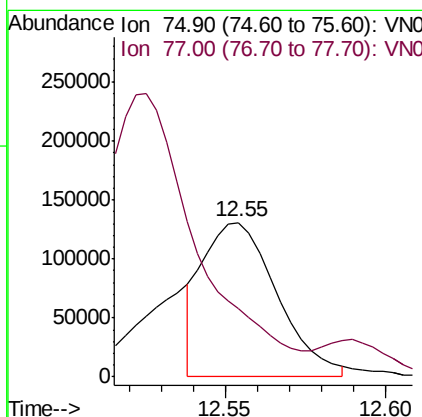
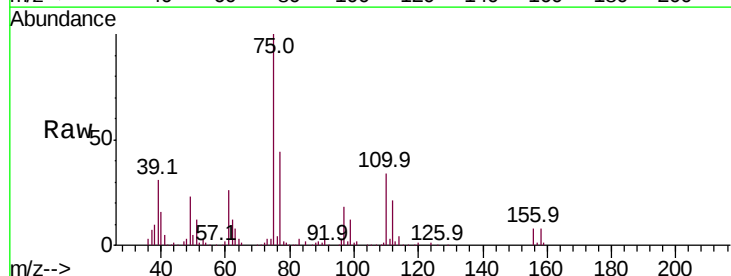
RT: 12.55 min Scan# 3353

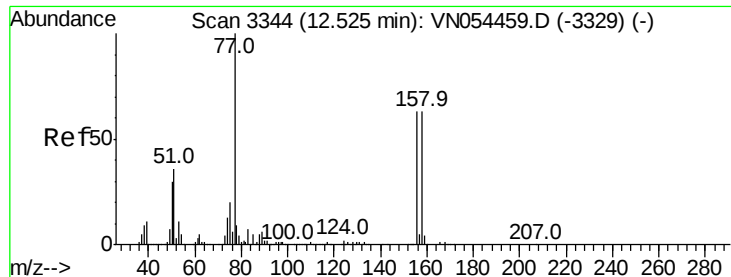
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	75	Resp:	209518
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 47.662 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 261705

Ion Ratio Lower Upper

156 100

77 192.9 81.5 244.4

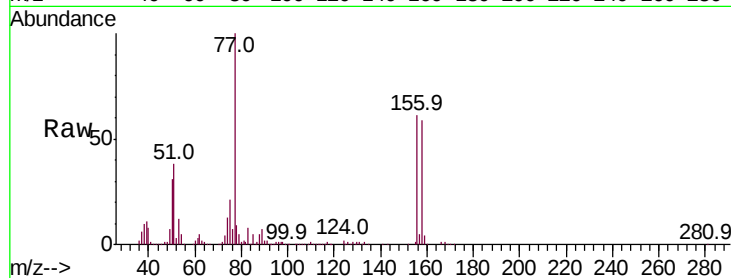
158 98.6 49.0 147.2

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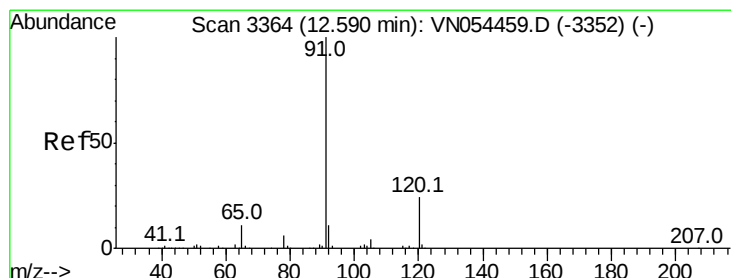
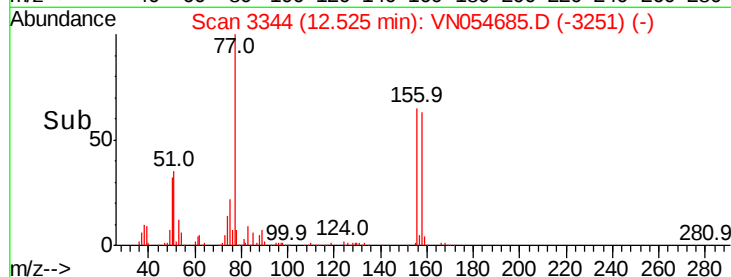
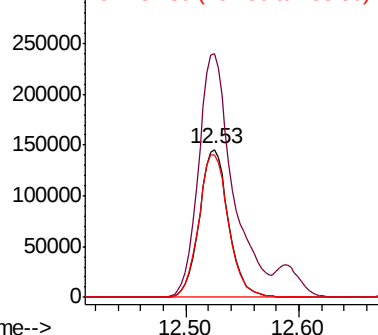
3/27/2019 9:10:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.242 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054685.D

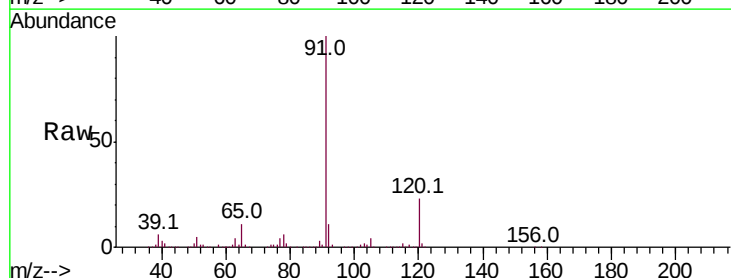
Acq: 26 Mar 2019 9:10

Tgt Ion: 91 Resp: 1230164

Ion Ratio Lower Upper

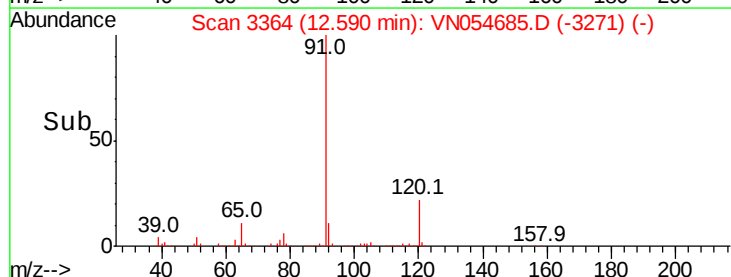
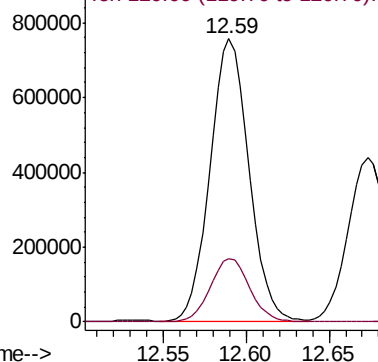
91 100

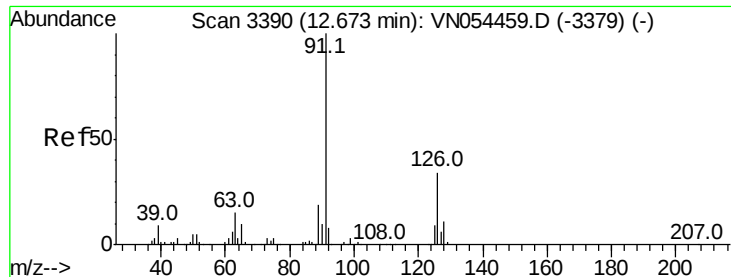
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.995 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 733475

Ion Ratio Lower Upper

91 100

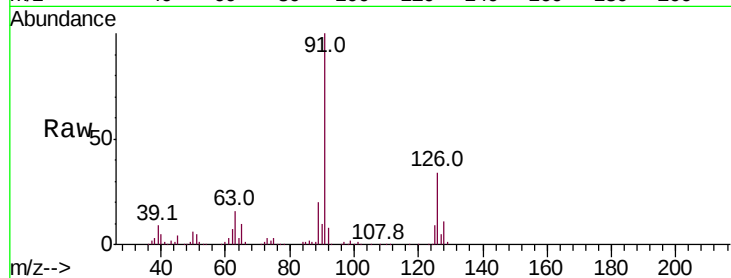
126 34.2 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

500000

400000

300000

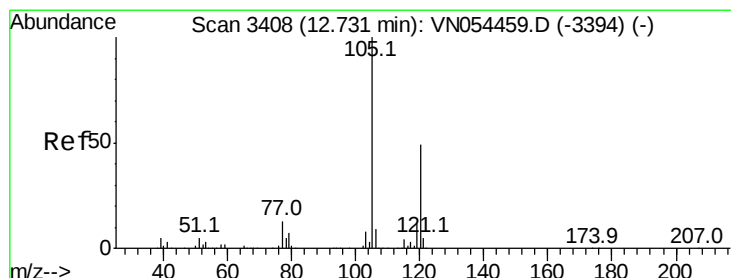
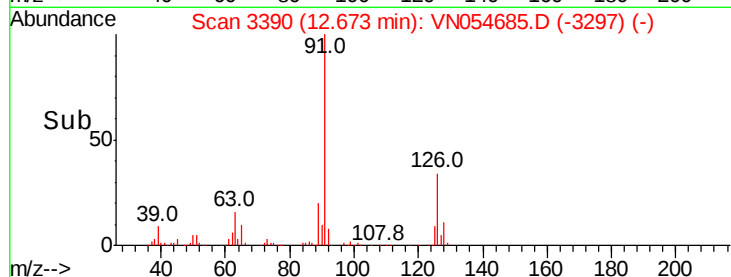
200000

100000

0

12.65 12.67 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.966 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054685.D

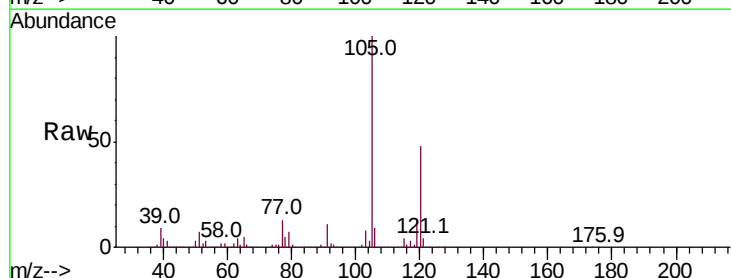
Acq: 26 Mar 2019 9:10

Tgt Ion:105 Resp: 906619

Ion Ratio Lower Upper

105 100

120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

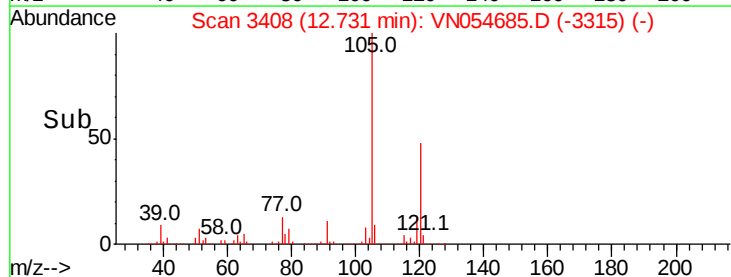
400000

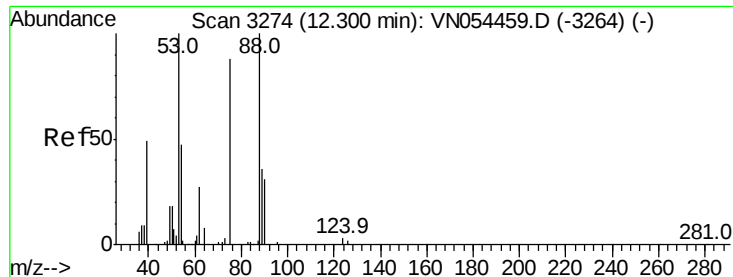
200000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 45.859 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 57641

Ion Ratio Lower Upper

75 100

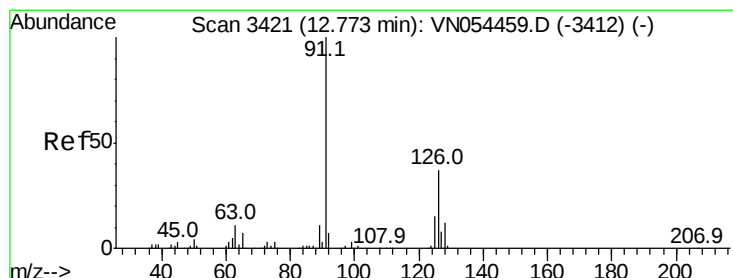
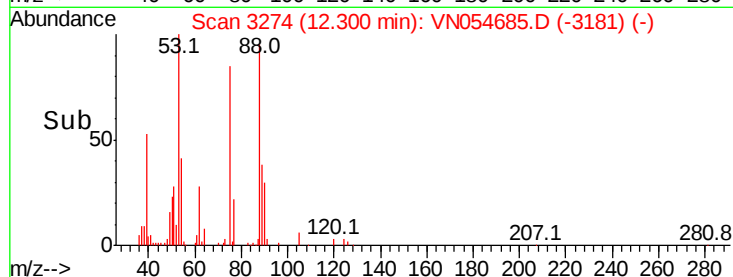
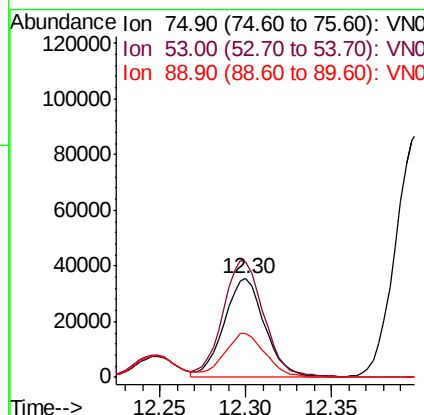
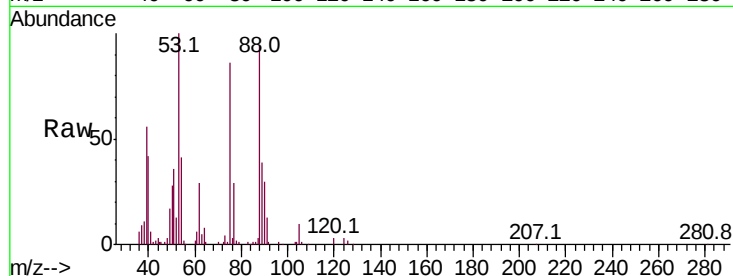
53 121.8 76.2 114.2#

89 46.0 39.2 58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.126 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN054685.D

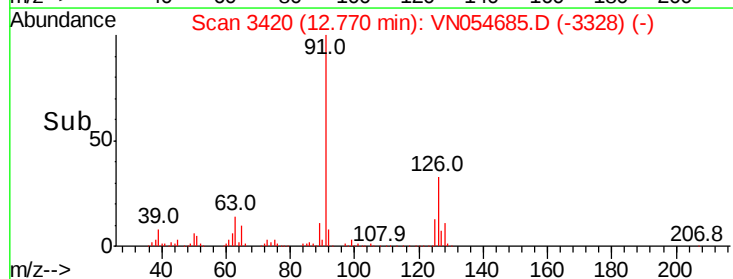
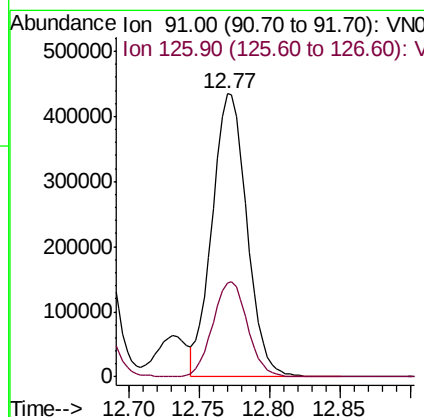
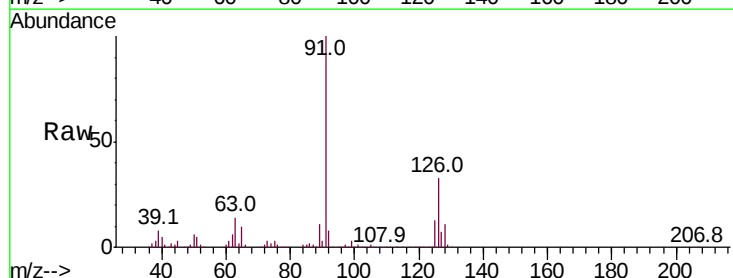
Acq: 26 Mar 2019 9:10

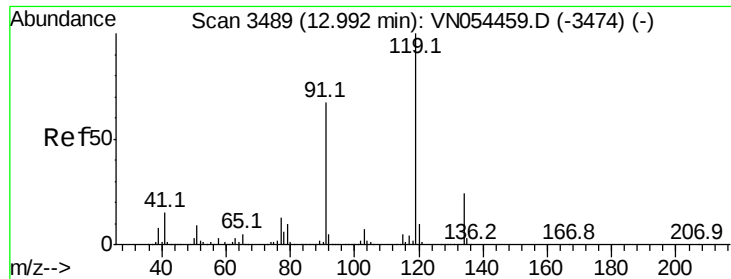
Tgt Ion: 91 Resp: 741889

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





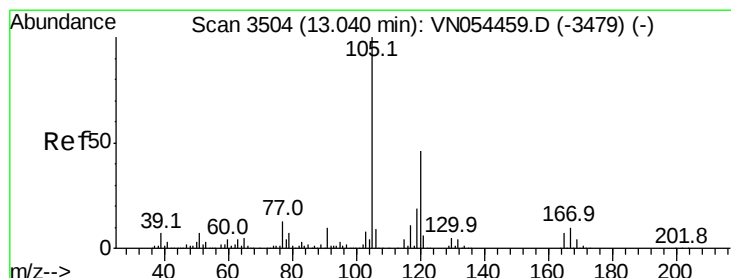
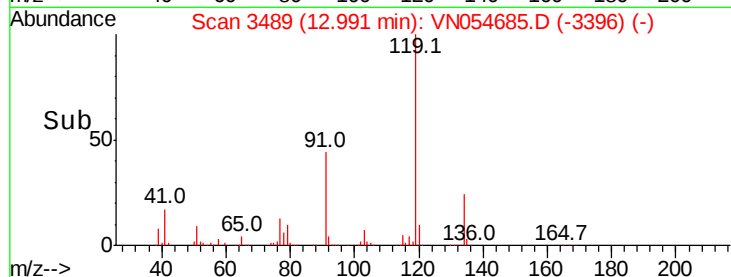
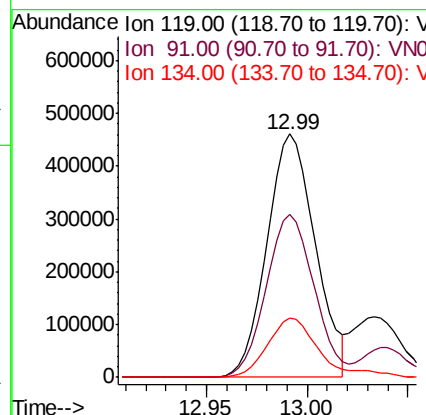
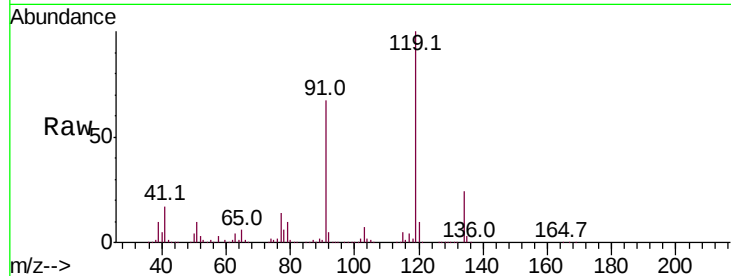
#83
tert-Butylbenzene
Concen: 48.636 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	30.9	92.8
134	26.1	13.2	39.6

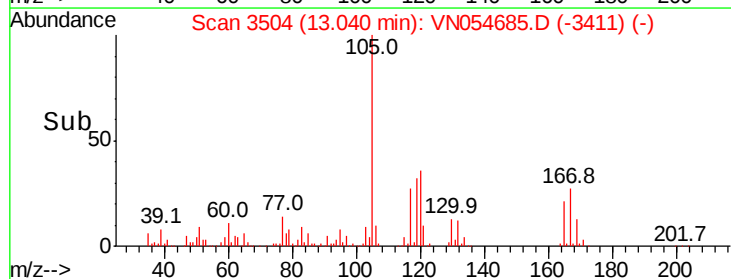
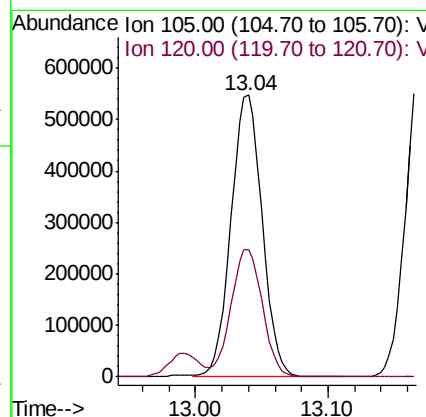
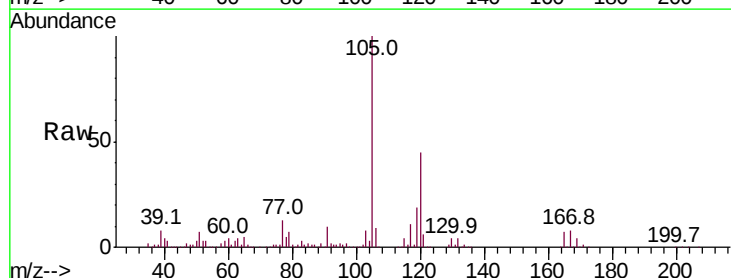
Manual Integrations
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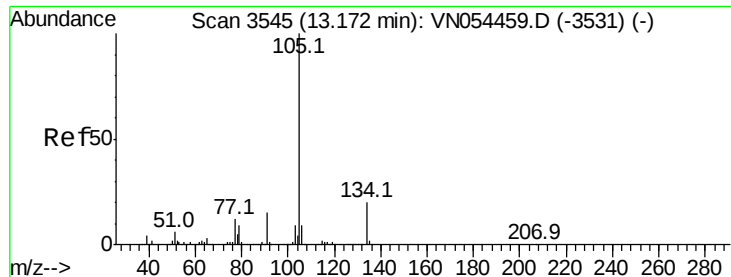
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.228 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.4	70.3





#85

sec-Butylbenzene

Concen: 50.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 987357

Ion Ratio Lower Upper

105 100

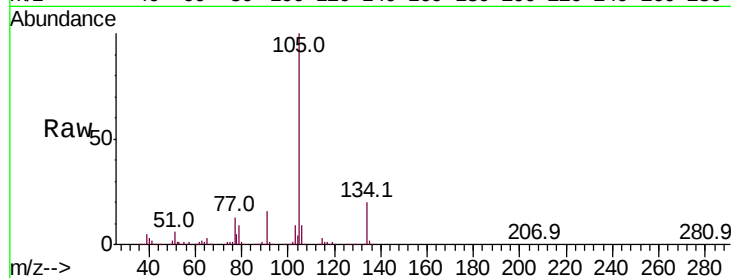
134 20.1 10.7 32.1

Manual Integrations

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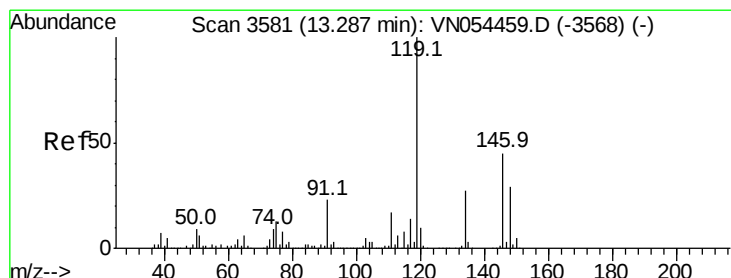
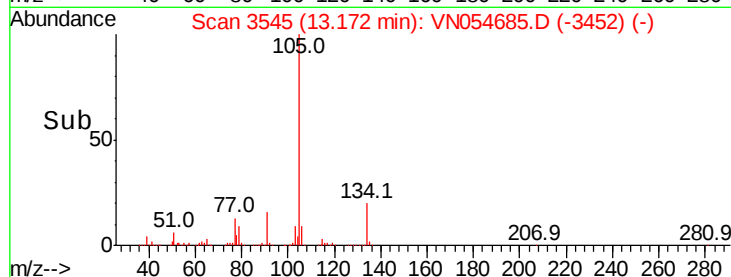
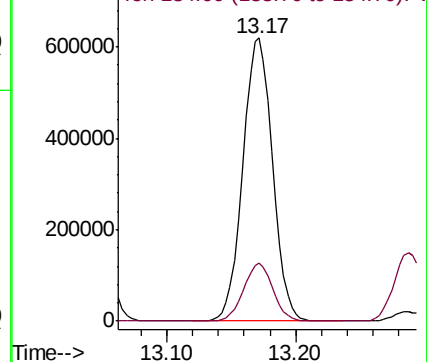
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.517 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

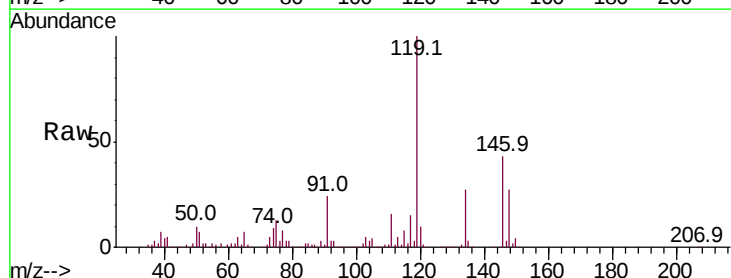
Tgt Ion:119 Resp: 889848

Ion Ratio Lower Upper

119 100

134 26.9 13.6 40.8

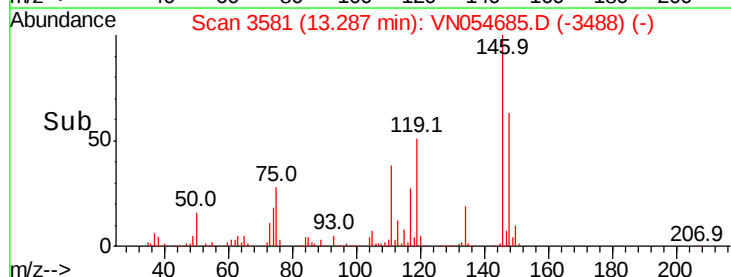
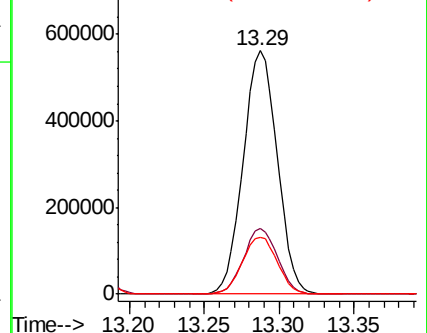
91 24.0 11.1 33.3

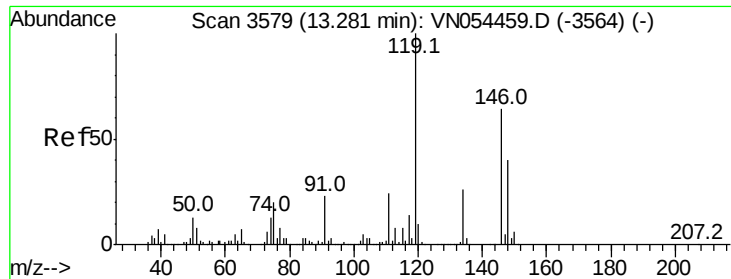


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





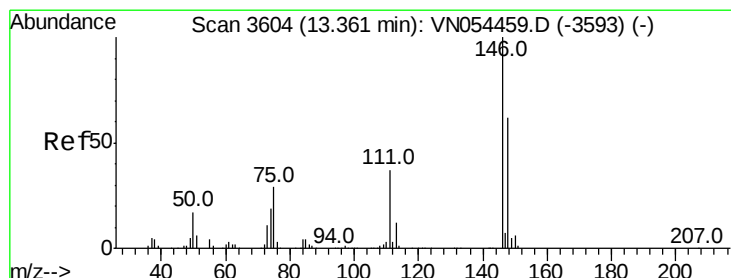
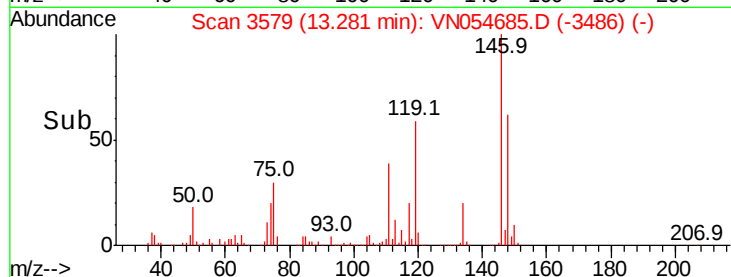
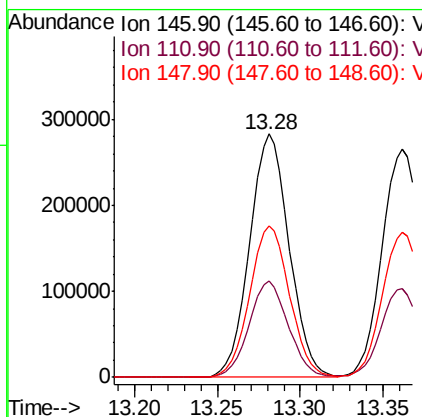
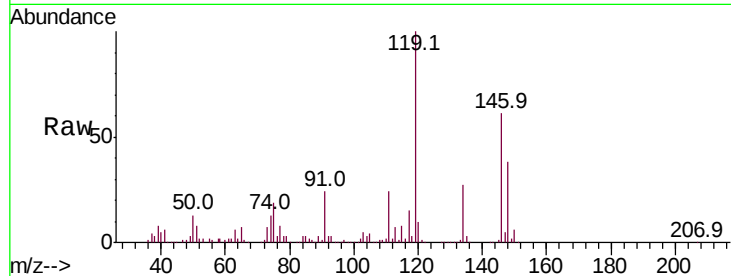
#87
 1,3-Dichlorobenzene
 Concen: 51.472 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	63.0	32.2	96.6

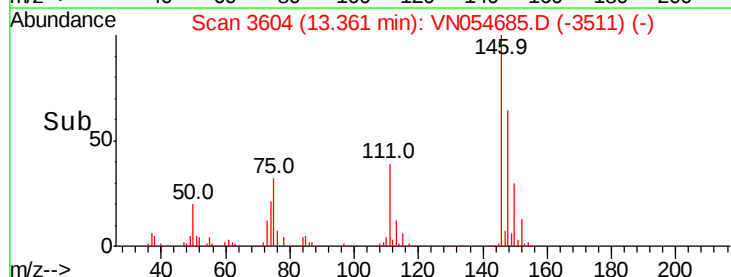
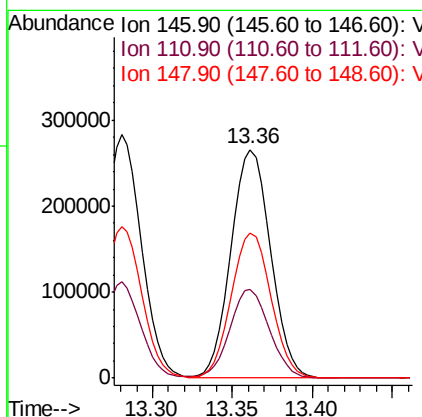
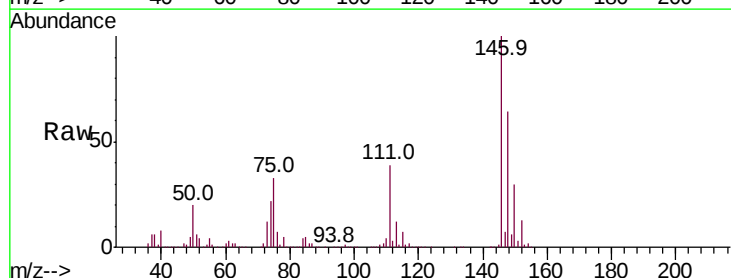
Manual Integrations
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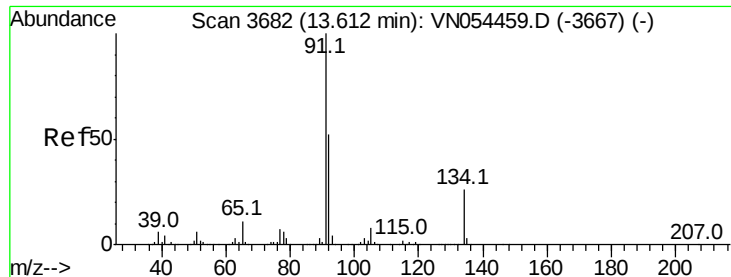
MMDadoda
 3/27/2019 9:10:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.639 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.1	54.1
148	64.1	32.0	96.0





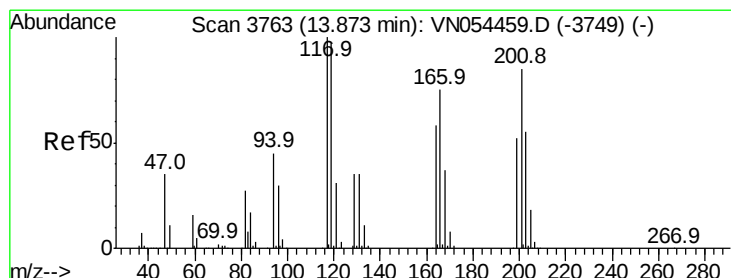
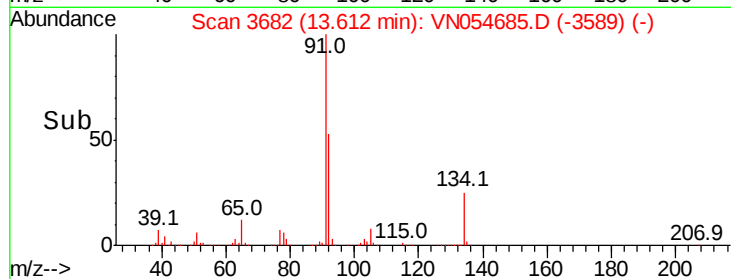
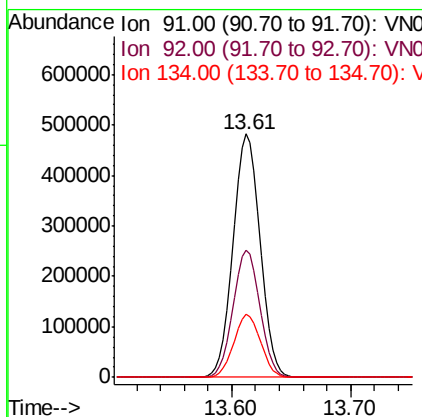
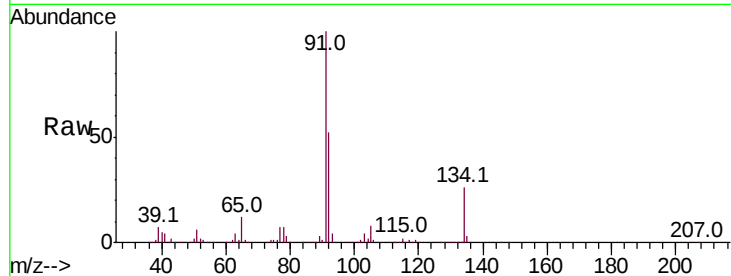
#89
n-Butylbenzene
Concen: 55.104 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	25.6	14.3	42.9

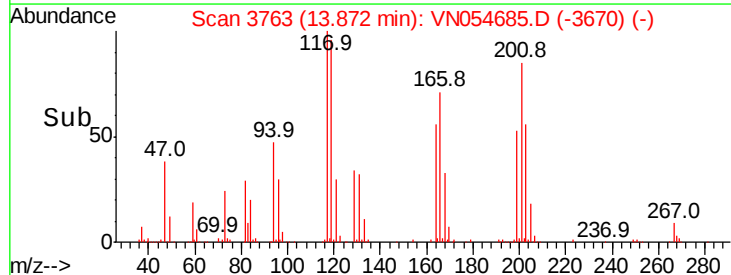
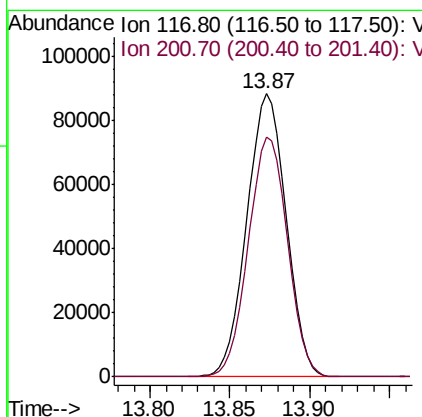
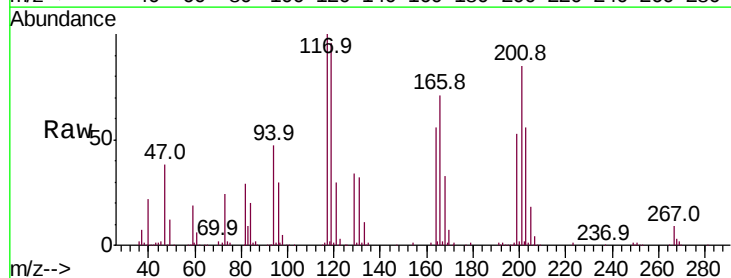
Manual Integrations
APPROVED

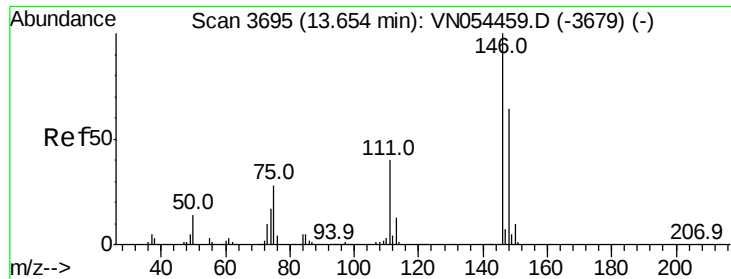
MMDadoda
3/27/2019 9:10:04 AM



#90
Hexachloroethane
Concen: 54.353 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054685.D
Acq: 26 Mar 2019 9:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 50.690 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

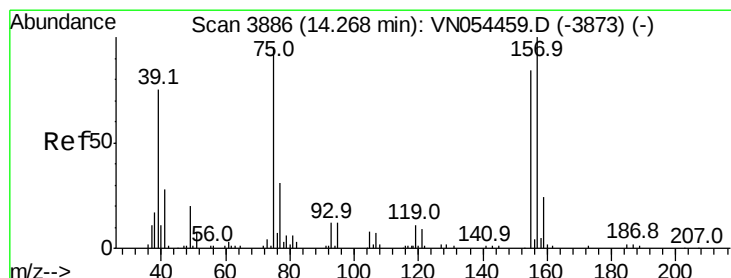
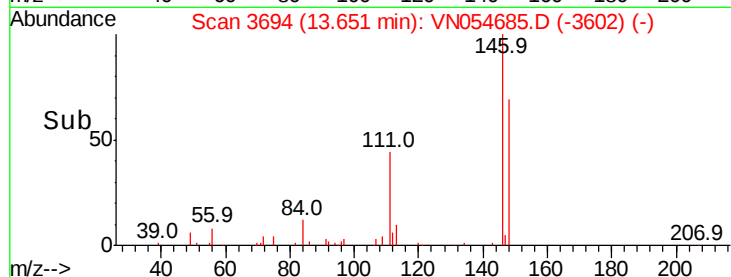
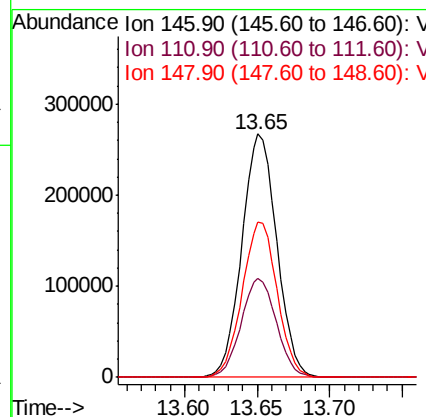
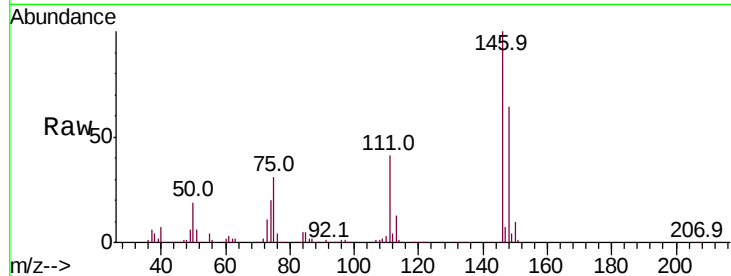
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	446749
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.1	57.3
148	63.8	32.4	97.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.927 ug/l

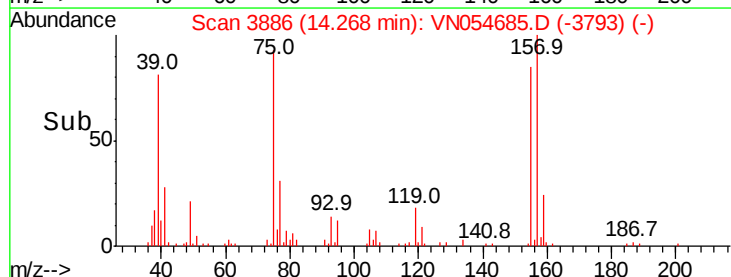
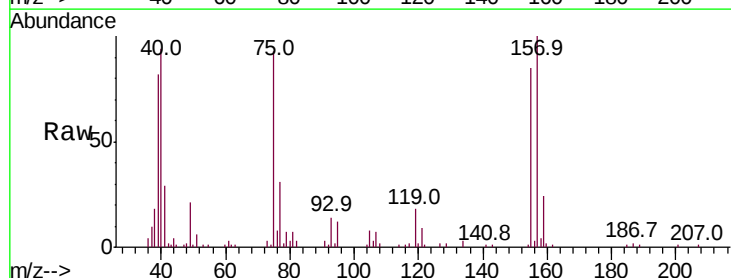
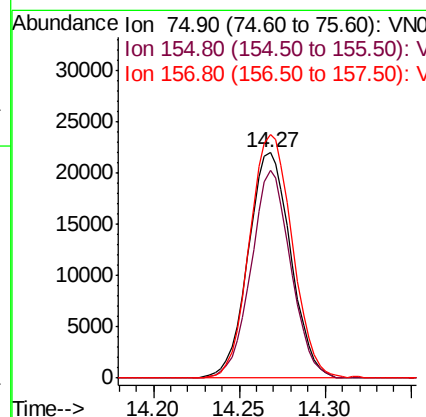
RT: 14.27 min Scan# 3886

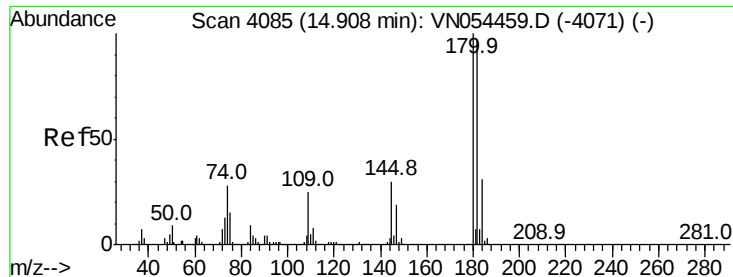
Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	75	Resp:	37751
Ion Ratio	Lower	Upper	
75	100		
155	85.8	50.1	150.3
157	108.4	63.1	189.3





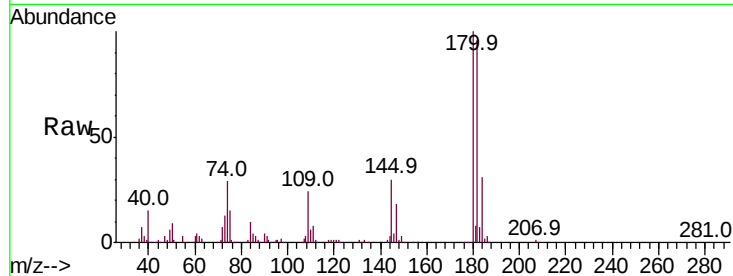
#93
 1,2,4-Trichlorobenzene
 Concen: 53.264 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

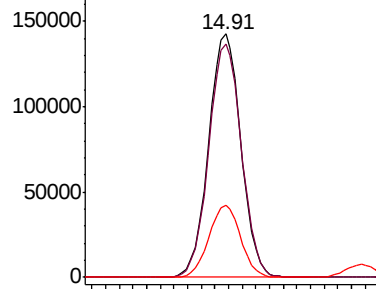
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.7	48.0	144.2	
145	29.1	14.2	42.8	

Manual Integrations
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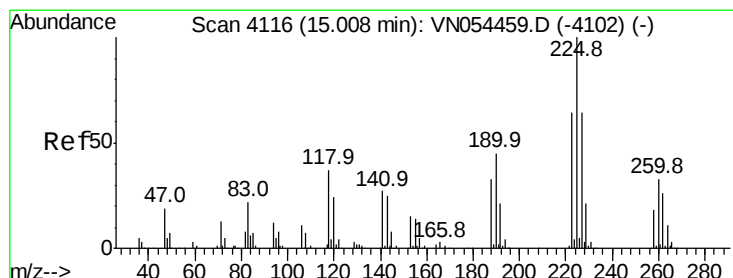
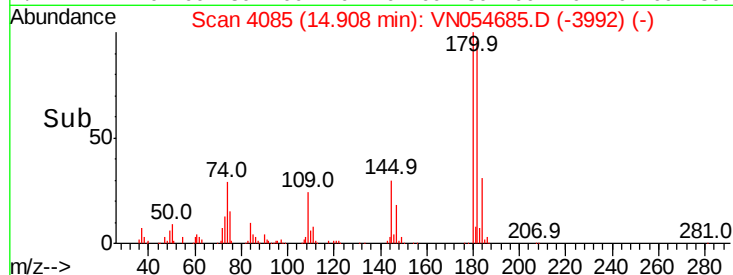
MMDadoda
 3/27/2019 9:10:04 AM



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

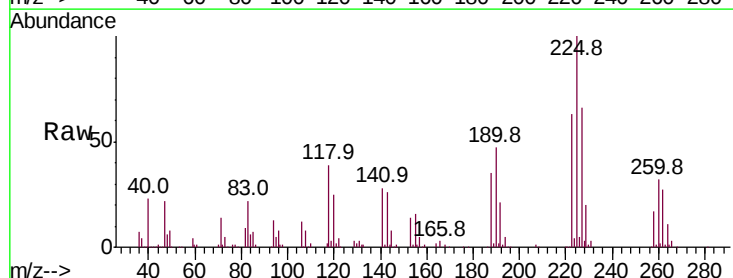


Time-->

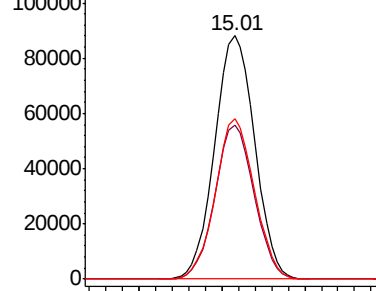


#94
 Hexachlorobutadiene
 Concen: 60.552 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054685.D
 Acq: 26 Mar 2019 9:10

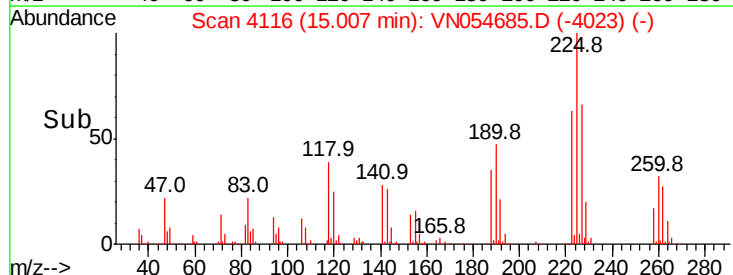
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.1	93.5	
227	64.0	31.9	95.9	

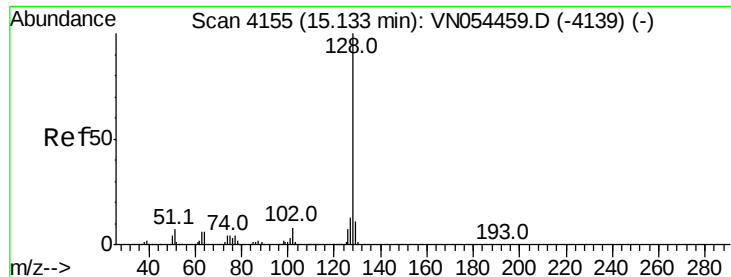


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 48.878 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Instrument :

MSVOA_N

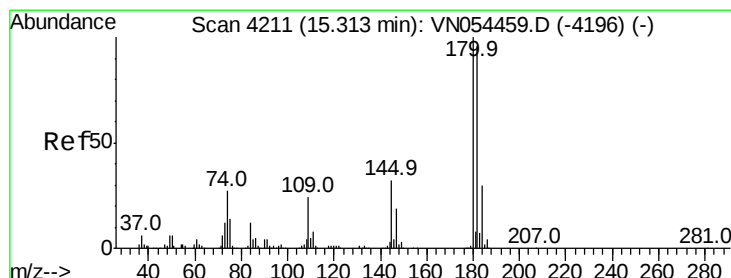
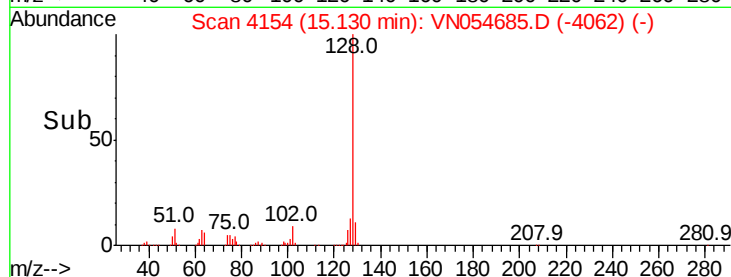
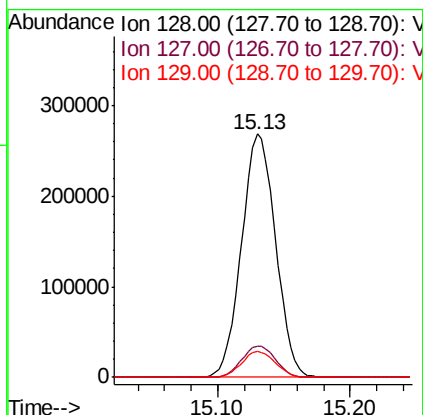
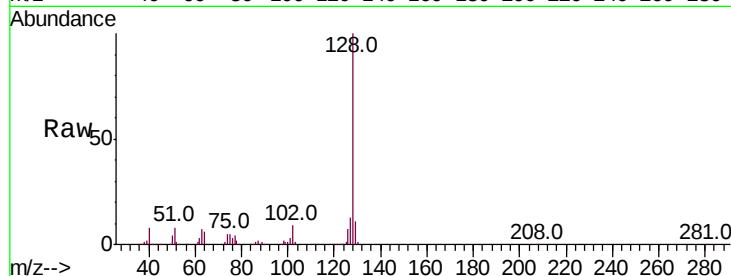
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	479001
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
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3/27/2019 9:10:04 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.706 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054685.D

Acq: 26 Mar 2019 9:10

Tgt Ion:	180	Resp:	221725
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.5	142.6
145	30.6	14.8	44.3

