

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055635.D
 Acq On : 18 May 2019 1:48
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 9:08:27 AM

Quant Time: May 18 04:34:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	314754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	489462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	175686	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.59	113	159193	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	10.09	98	590472	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.40	95	208259	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109959	45.405	ug/l	99
3) Chloromethane	2.06	50	152190	47.115	ug/l	99
4) Vinyl Chloride	2.18	62	170202	48.660	ug/l	98
5) Bromomethane	2.56	94	112262	50.361	ug/l	99
6) Chloroethane	2.70	64	97822	50.369	ug/l	100
7) Trichlorofluoromethane	3.03	101	219580	48.988	ug/l	100
8) Diethyl Ether	3.41	74	91109	50.598	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	128181	46.908	ug/l	100
10) Methyl Iodide	3.96	142	196629	49.912	ug/l	99
11) Tert butyl alcohol	4.77	59	171984	267.294	ug/l	98
12) 1,1-Dichloroethene	3.74	96	138042	48.023	ug/l	99
13) Acrolein	3.61	56	79015	240.798	ug/l	99
14) Allyl chloride	4.33	41	226322	48.771	ug/l	99
15) Acrylonitrile	4.99	53	377867	263.963	ug/l	99
16) Acetone	3.81	43	311644	221.328	ug/l	99
17) Carbon Disulfide	4.06	76	378112	47.317	ug/l	100
18) Methyl Acetate	4.32	43	154952	51.331	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	478280	50.294	ug/l	98
20) Methylene Chloride	4.56	84	158085	49.195	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	150137	49.030	ug/l	98
22) Diisopropyl ether	5.95	45	450395	48.980	ug/l	100
23) Vinyl Acetate	5.90	43	1952067	250.185	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269190	49.927	ug/l	100
25) 2-Butanone	6.83	43	499935	253.932	ug/l	100
26) 2,2-Dichloropropane	6.83	77	168439	35.200	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	175891	49.328	ug/l	97
28) Bromochloromethane	7.20	49	120890	51.538	ug/l	98
29) Tetrahydrofuran	7.21	42	335207	256.995	ug/l	99
30) Chloroform	7.37	83	272569	49.249	ug/l	100
31) Cyclohexane	7.66	56	234602	45.846	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	242417	48.834	ug/l	98
36) 1,1-Dichloropropene	7.80	75	205097	46.999	ug/l	99
37) Ethyl Acetate	6.93	43	205971	52.305	ug/l	98
38) Carbon Tetrachloride	7.78	117	218647	46.888	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	231901	44.083	ug/l	98
40) Benzene	8.04	78	627121	48.859	ug/l	100
41) Methacrylonitrile	7.18	41	97546m	57.940	ug/l	
42) 1,2-Dichloroethane	8.13	62	207105	49.828	ug/l	100
43) Isopropyl Acetate	8.16	43	338080	49.356	ug/l	99
44) Trichloroethene	8.84	130	180154	49.741	ug/l	98
45) 1,2-Dichloropropane	9.12	63	165081	48.821	ug/l	97
46) Dibromomethane	9.21	93	109338	49.405	ug/l	97
47) Bromodichloromethane	9.40	83	223003	48.078	ug/l	99
48) Methyl methacrylate	9.20	41	155107	50.661	ug/l	98
49) 1,4-Dioxane	9.20	88	67672	1112.343	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1009348	251.206	ug/l	100
52) Toluene	10.16	92	394250	48.972	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	239827	48.041	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	258033	47.181	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	163488	49.328	ug/l	98
56) Ethyl methacrylate	10.43	69	252229	48.752	ug/l	98
57) 1,3-Dichloropropane	10.71	76	260701	49.665	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	544425	247.656	ug/l	99
59) 2-Hexanone	10.75	43	719913	254.487	ug/l	99
60) Dibromochloromethane	10.90	129	190575	50.735	ug/l	99
61) 1,2-Dibromoethane	11.01	107	167124	50.397	ug/l	99
64) Tetrachloroethene	10.63	164	170667	50.072	ug/l	99
65) Chlorobenzene	11.44	112	429024	49.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170337	48.443	ug/l	100
67) Ethyl Benzene	11.51	91	742581	47.692	ug/l	99
68) m/p-Xylenes	11.62	106	566864	96.406	ug/l	99
69) o-Xylene	11.95	106	277574	48.265	ug/l	98
70) Styrene	11.96	104	476800	49.862	ug/l	99
71) Bromoform	12.13	173	152773	51.269	ug/l #	99
73) Isopropylbenzene	12.25	105	726851	51.585	ug/l	99
74) N-amyl acetate	12.07	43	278126	49.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	229830	52.114	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	189975m	46.298	ug/l	
77) Bromobenzene	12.53	156	199479	48.302	ug/l	95
78) n-propylbenzene	12.59	91	795729	44.560	ug/l	100
79) 2-Chlorotoluene	12.68	91	484385	50.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	607048	50.372	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	68074	42.646	ug/l	98
82) 4-Chlorotoluene	12.77	91	486859	46.273	ug/l	100
83) tert-Butylbenzene	12.99	119	522000	51.065	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599700	49.816	ug/l	100
85) sec-Butylbenzene	13.17	105	677263	50.394	ug/l	99
86) p-Isopropyltoluene	13.29	119	622071	49.688	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	330310	48.374	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	324726	49.806	ug/l	99
89) n-Butylbenzene	13.62	91	501917	45.486	ug/l	100
90) Hexachloroethane	13.87	117	121775	50.962	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	326812	48.013	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	45786	50.171	ug/l	97

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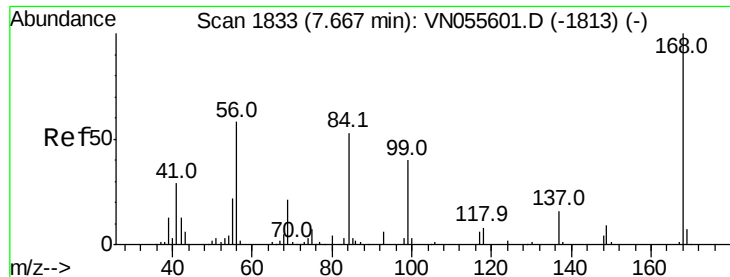
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	190073	54.858	ug/l	99
94) Hexachlorobutadiene	15.01	225	106725	51.099	ug/l	98
95) Naphthalene	15.13	128	537952	51.394	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	189828	52.399	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 314754

Ion Ratio Lower Upper

168 100

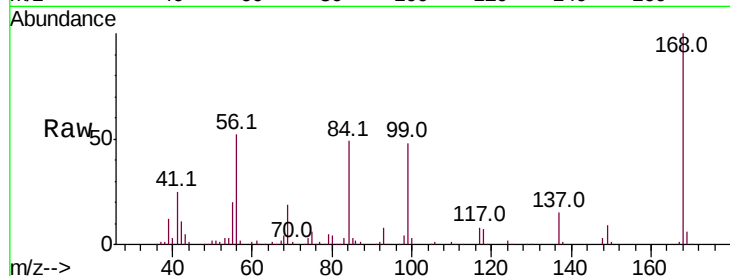
99 47.4 40.2 60.2

Manual Integrations

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5/20/2019 9:08:27 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

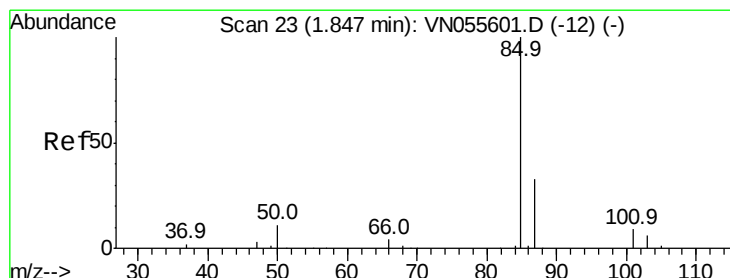
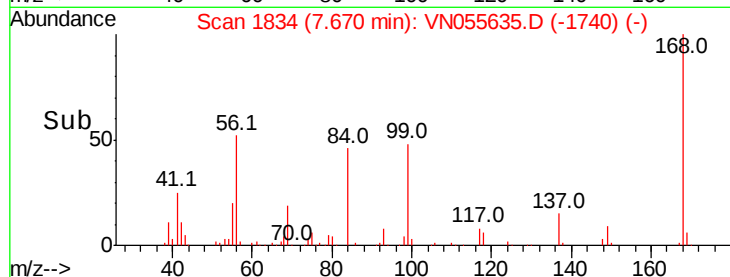
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.405 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN055635.D

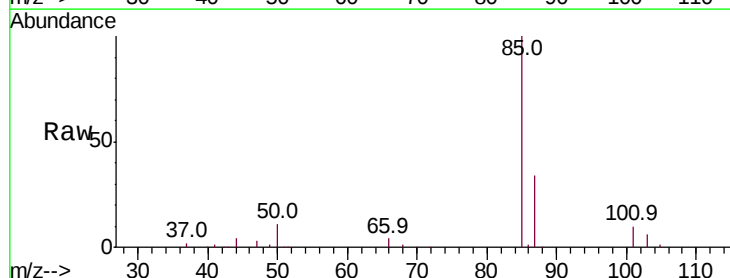
Acq: 18 May 2019 1:48

Tgt Ion: 85 Resp: 109959

Ion Ratio Lower Upper

85 100

87 33.6 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

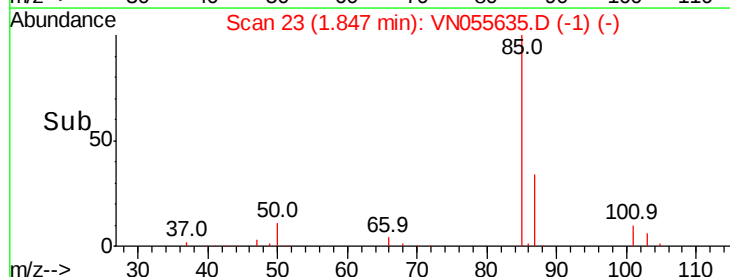
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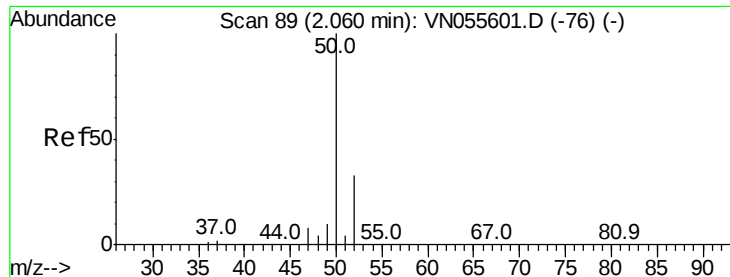
40000

20000

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Time-->





#3

Chloromethane

Concen: 47.115 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 152190

Ion Ratio Lower Upper

50 100

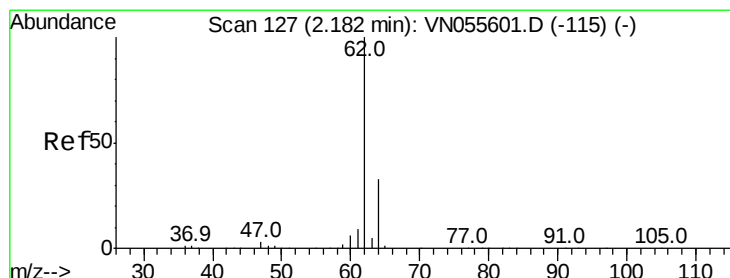
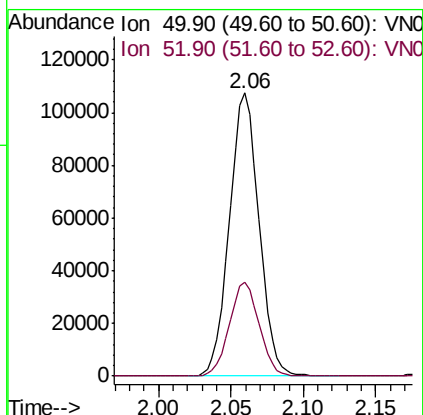
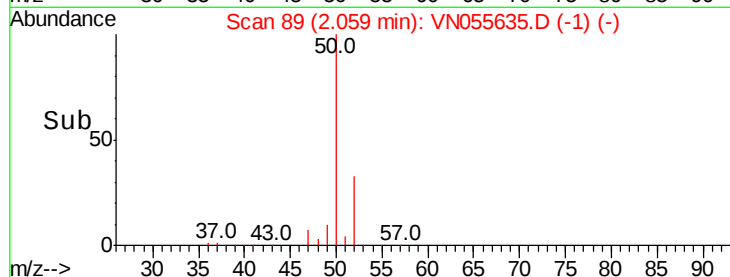
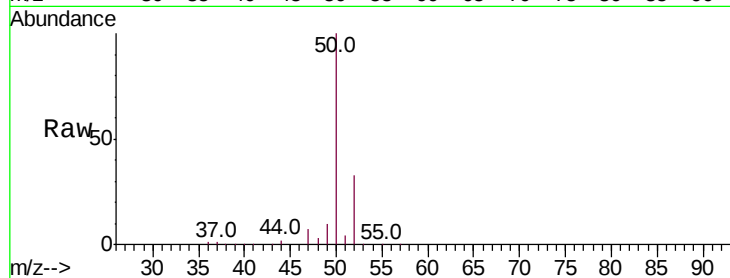
52 33.0 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.660 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055635.D

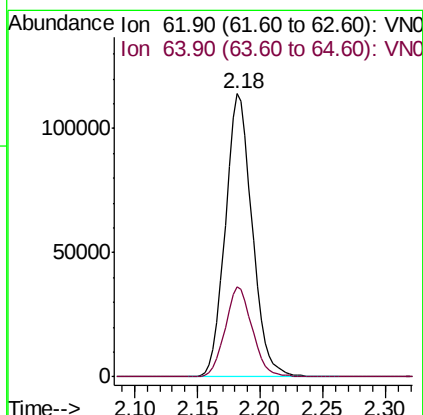
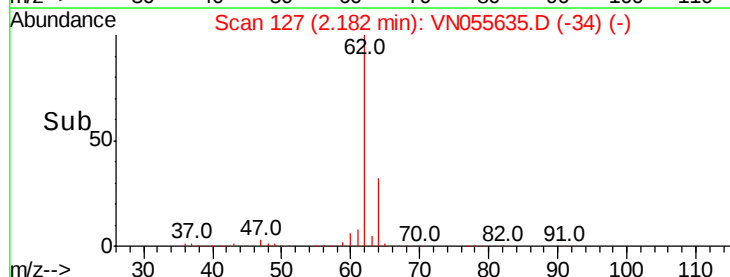
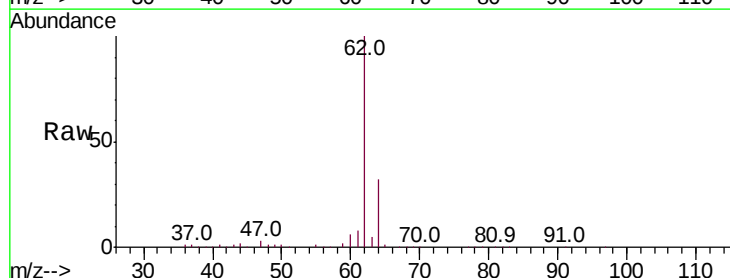
Acq: 18 May 2019 1:48

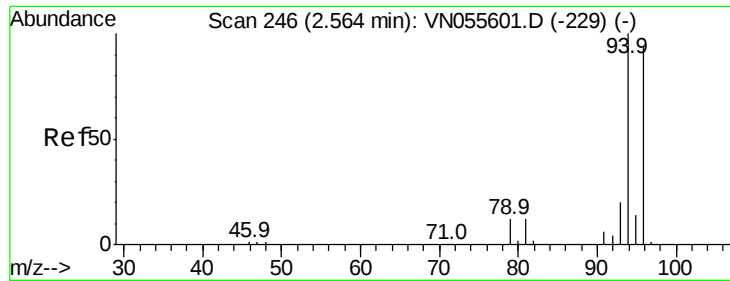
Tgt Ion: 62 Resp: 170202

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 50.361 ug/l

RT: 2.56 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 112262

Ion Ratio Lower Upper

94 100

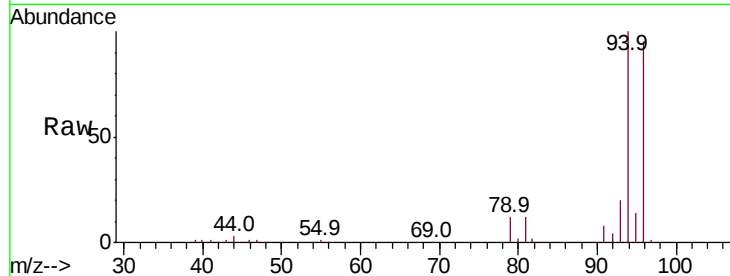
96 94.8 75.2 112.8

Manual Integrations

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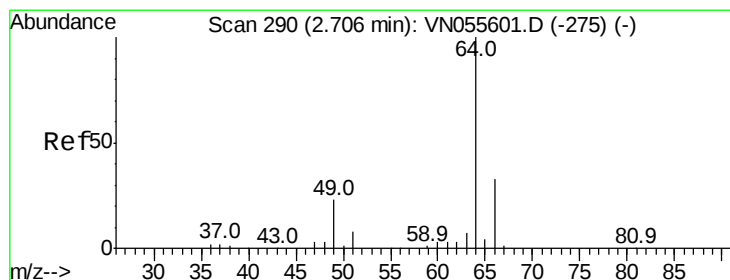
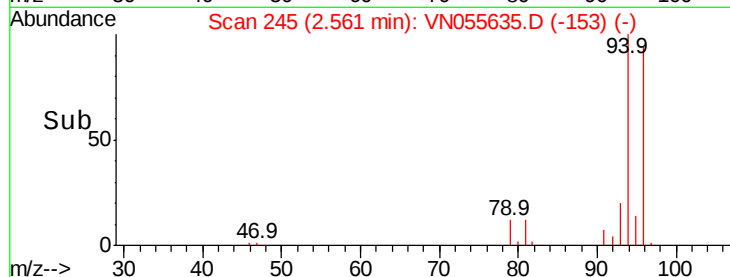
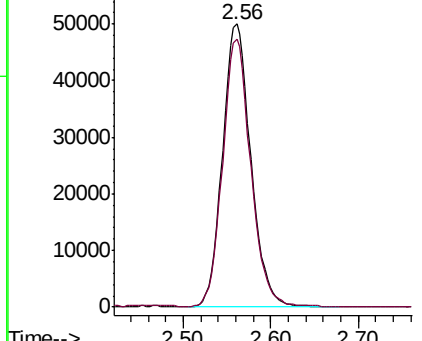
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 50.369 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055635.D

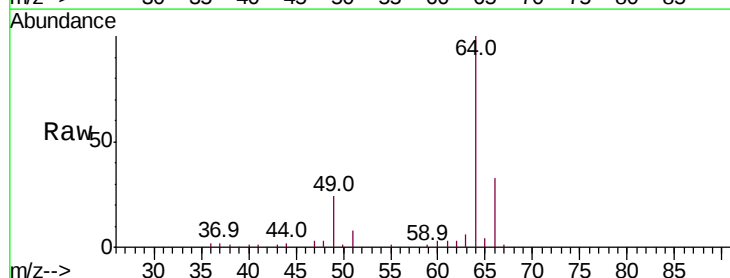
Acq: 18 May 2019 1:48

Tgt Ion: 64 Resp: 97822

Ion Ratio Lower Upper

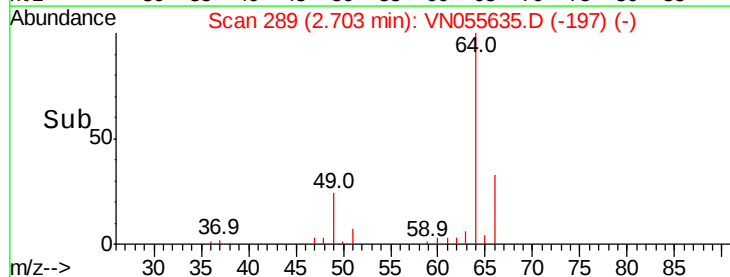
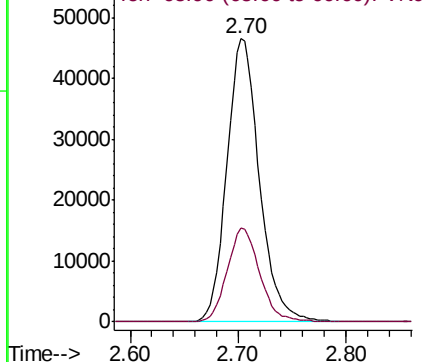
64 100

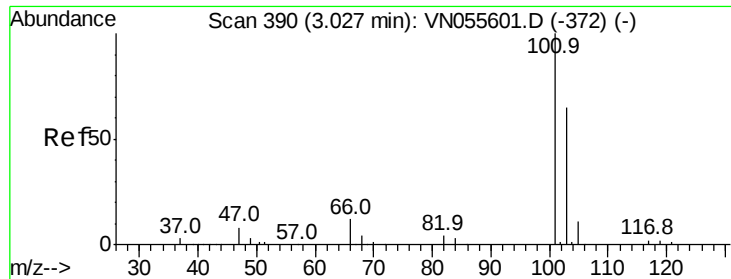
66 33.0 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

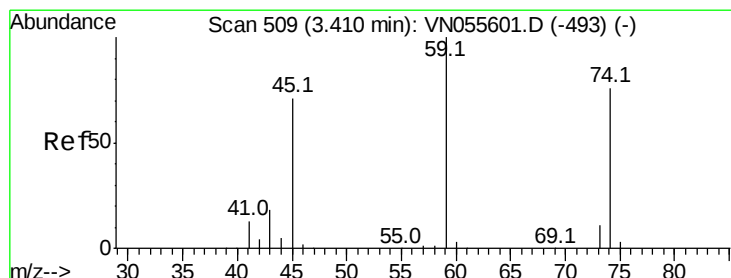
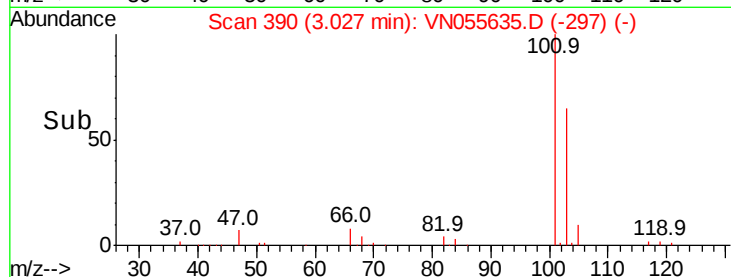
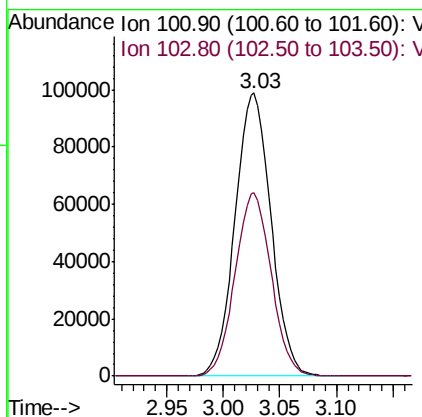
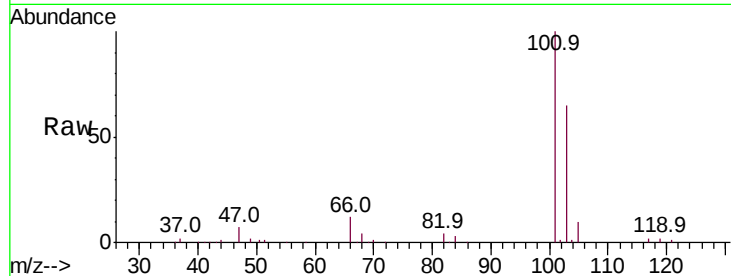
Trichlorofluoromethane
 Concen: 48.988 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.3	78.5

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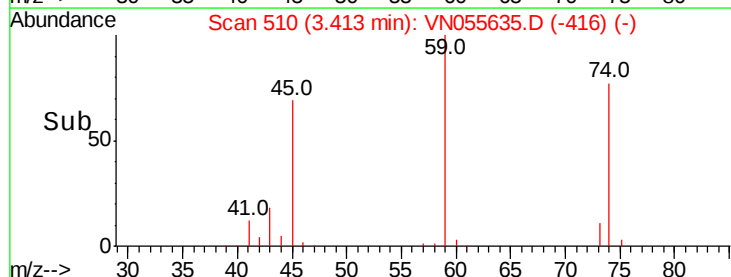
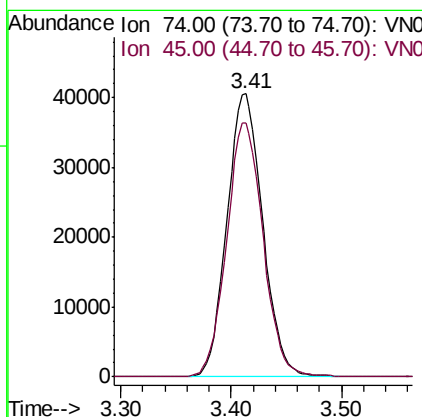
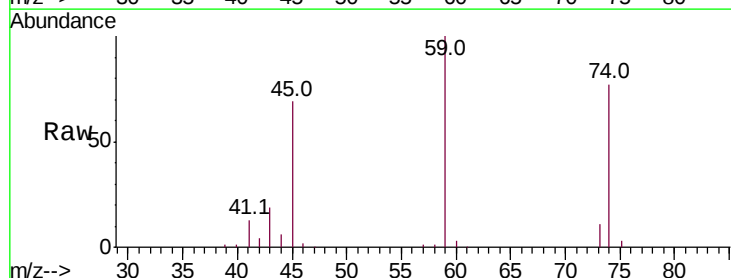
MMDadoda
 5/20/2019 9:08:27 AM

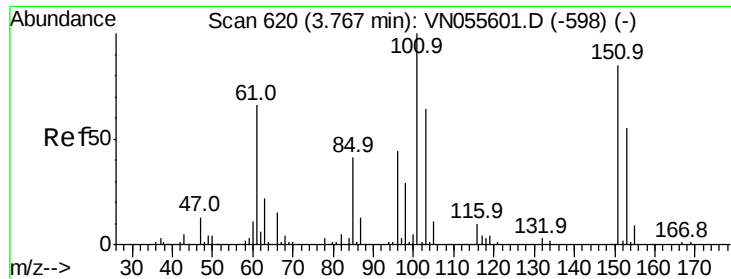


#8

Diethyl Ether
 Concen: 50.598 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.908 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

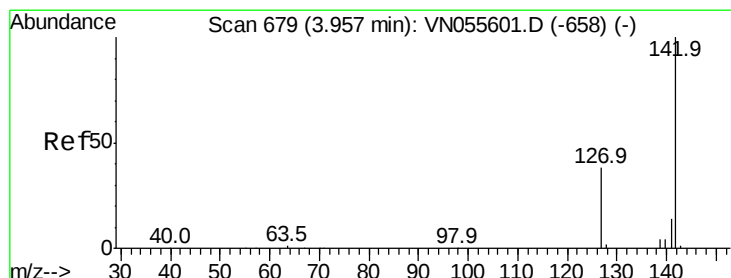
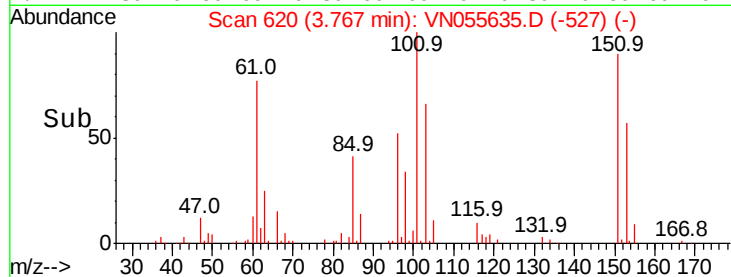
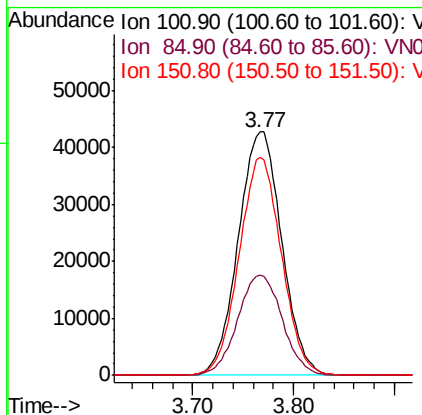
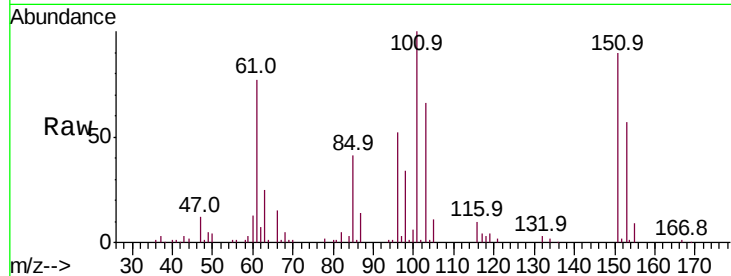
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	128181
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.4	50.0
151	87.0	69.3	103.9

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#10

Methyl Iodide

Concen: 49.912 ug/l

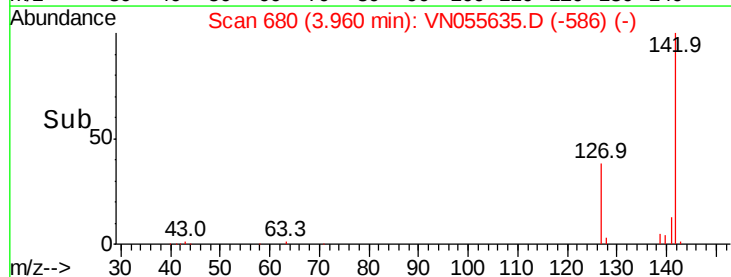
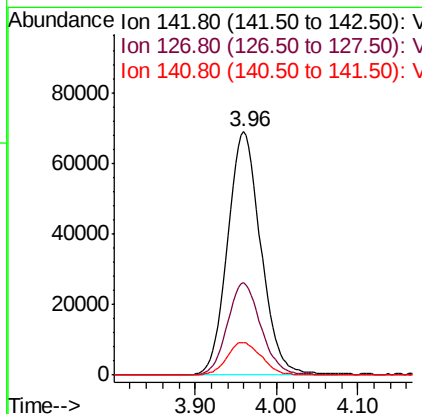
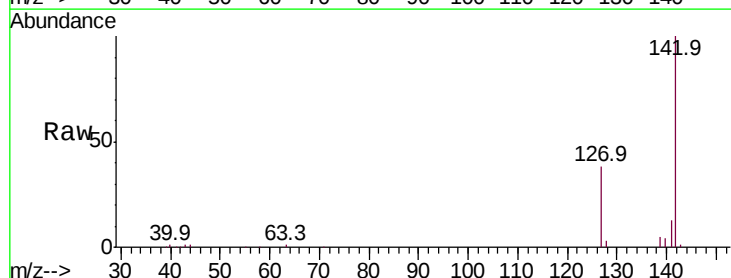
RT: 3.96 min Scan# 680

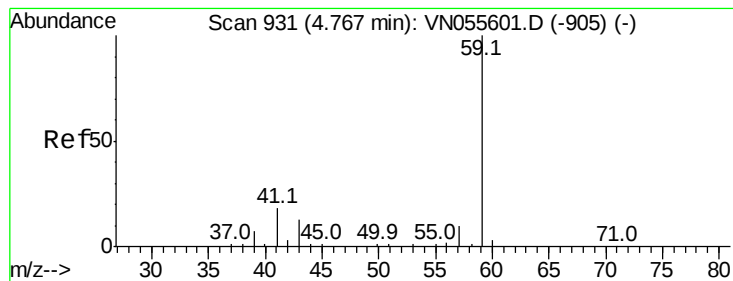
Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	142	Resp:	196629
Ion Ratio	Lower	Upper	
142	100		
127	38.3	31.0	46.4
141	13.9	11.5	17.3





#11

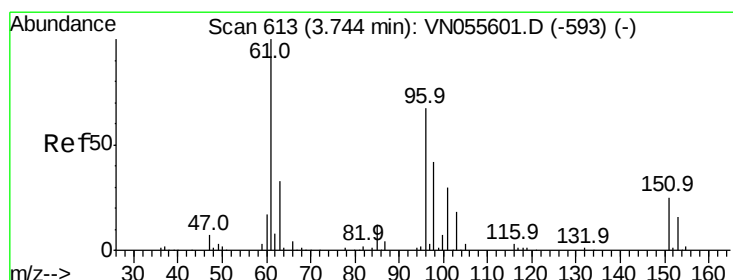
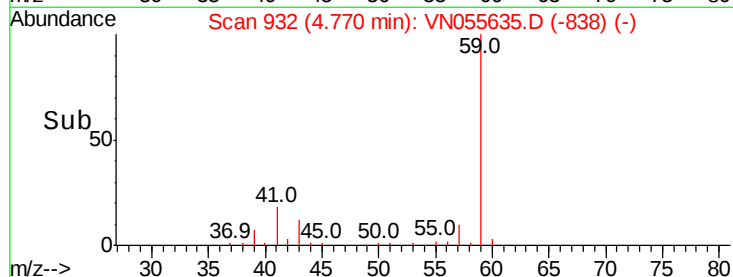
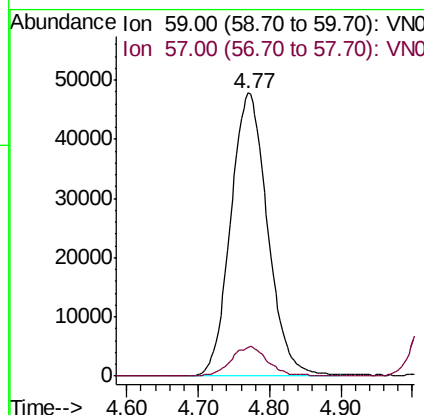
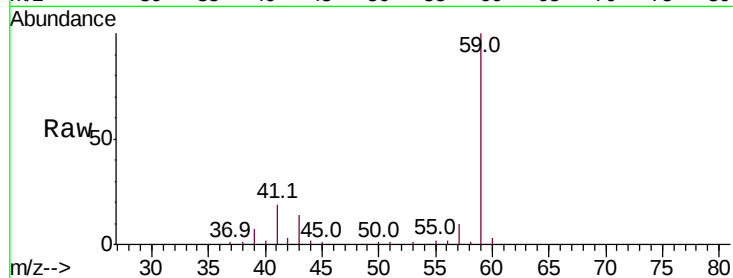
Tert butyl alcohol
 Concen: 267.294 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 59 Resp: 171984
 Ion Ratio Lower Upper
 59 100
 57 10.4 7.8 11.6

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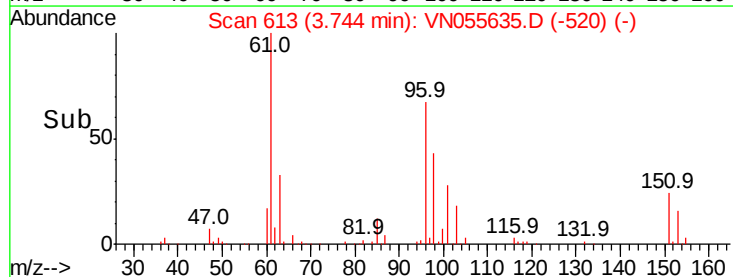
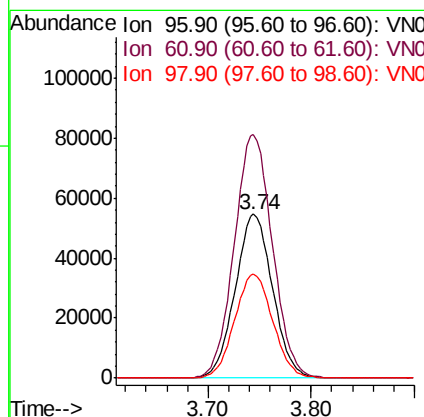
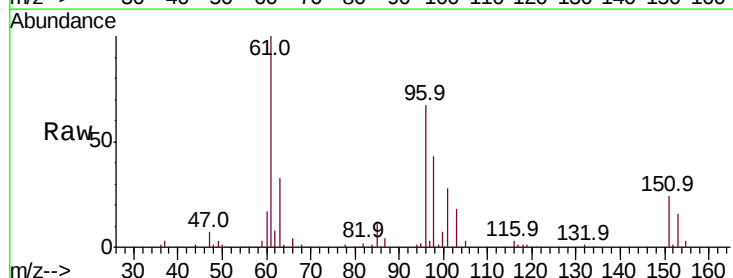
MMDadoda
 5/20/2019 9:08:27 AM

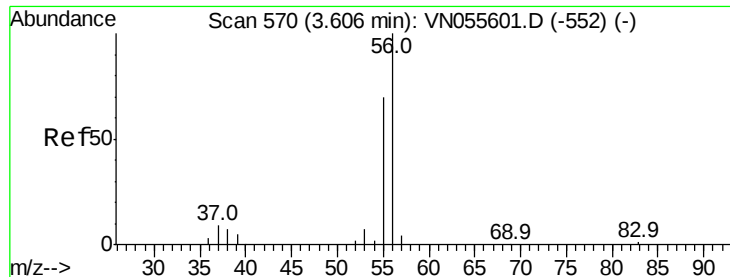


#12

1,1-Dichloroethene
 Concen: 48.023 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion: 96 Resp: 138042
 Ion Ratio Lower Upper
 96 100
 61 148.5 120.2 180.2
 98 63.4 50.6 75.8





#13

Acrolein

Concen: 240.798 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79015

Ion Ratio Lower Upper

56 100

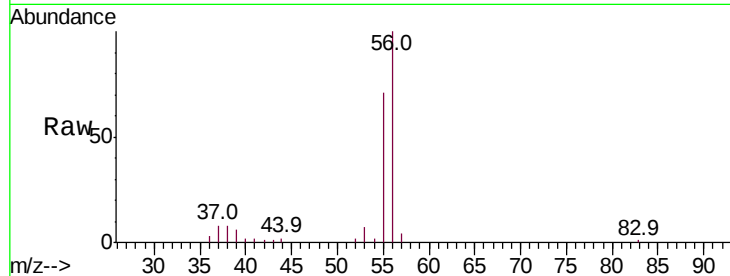
55 69.8 56.5 84.7

Manual Integrations

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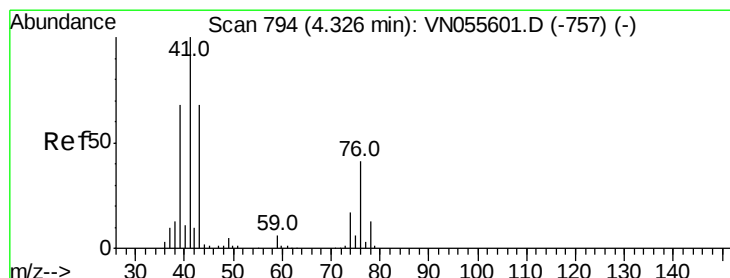
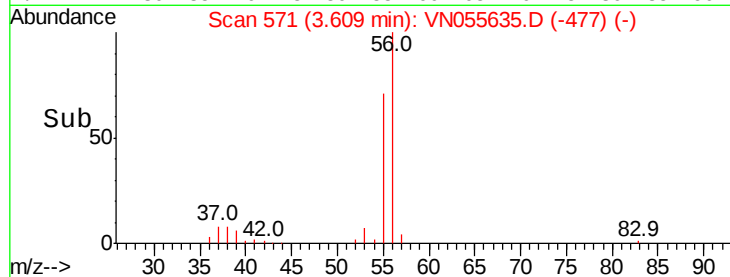
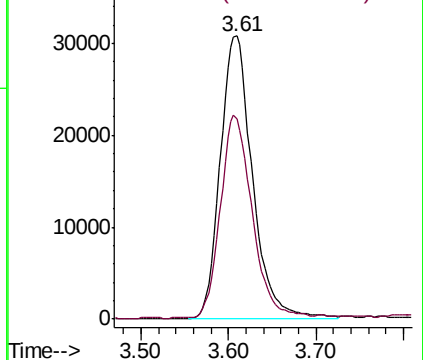
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.771 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

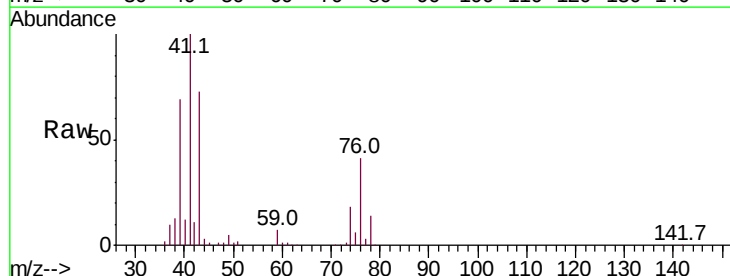
Tgt Ion: 41 Resp: 226322

Ion Ratio Lower Upper

41 100

39 61.9 50.5 75.7

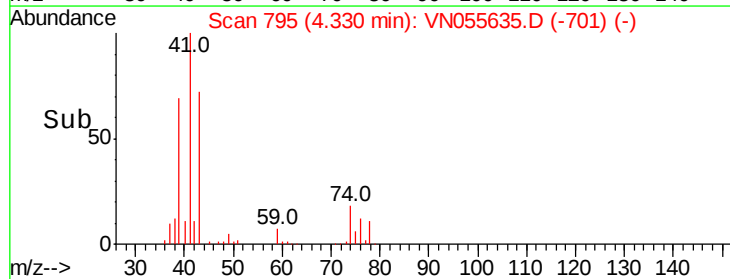
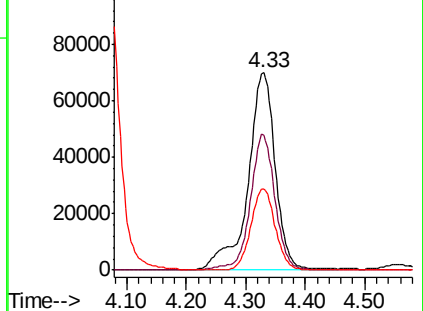
76 36.6 29.2 43.8

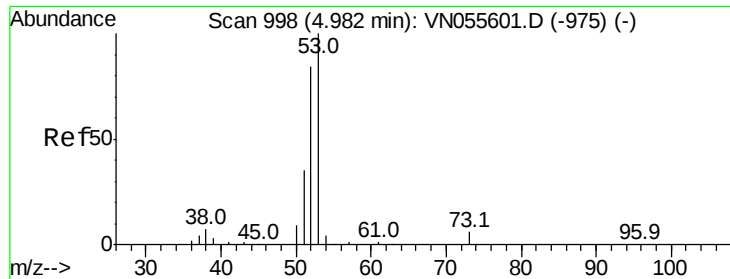


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 263.963 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

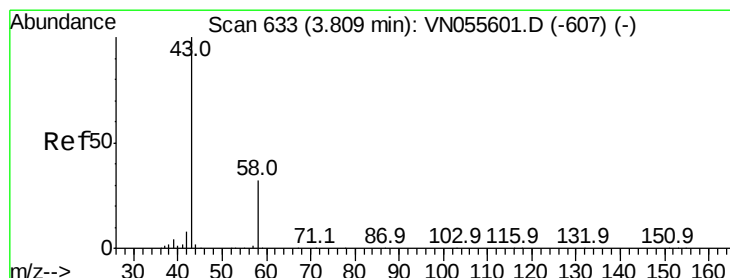
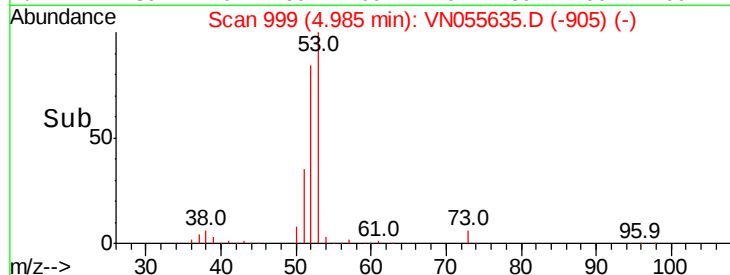
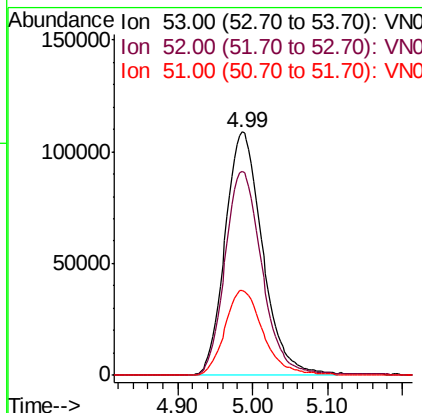
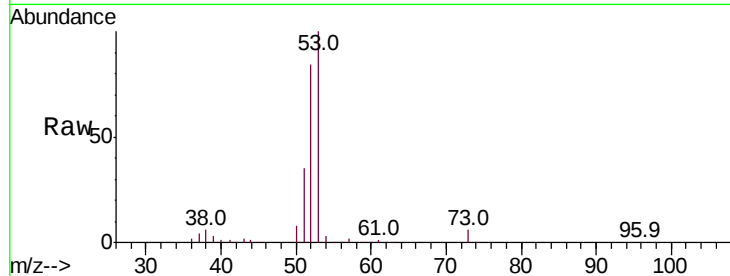
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	377867
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.2	99.4
51	36.0	28.5	42.7

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#16

Acetone

Concen: 221.328 ug/l

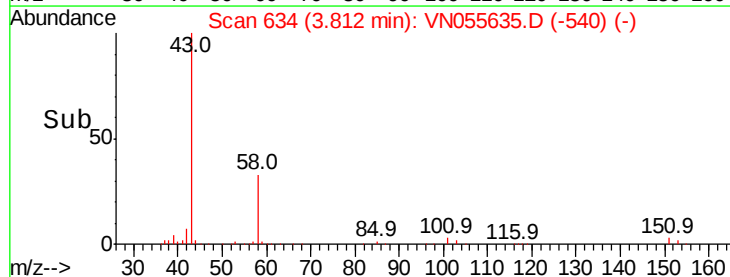
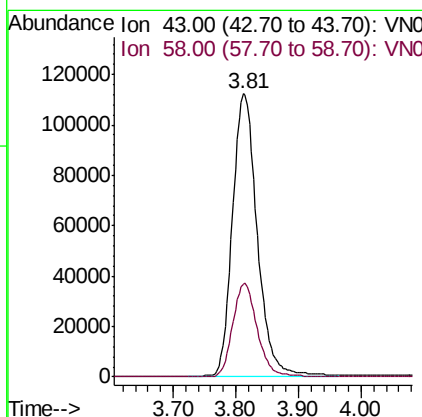
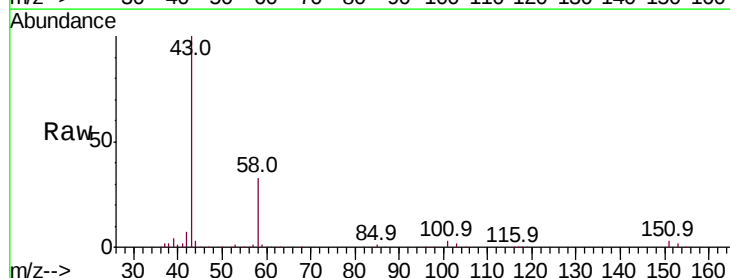
RT: 3.81 min Scan# 634

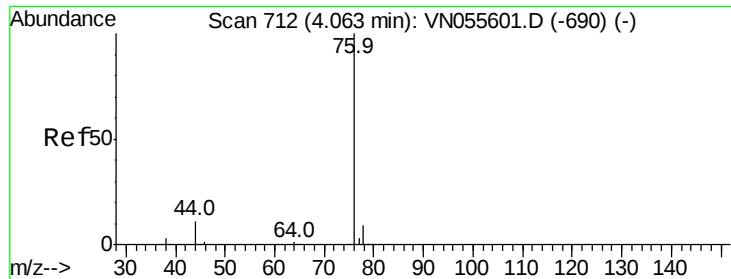
Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	43	Resp:	311644
Ion Ratio	Lower	Upper	
43	100		
58	32.9	26.0	39.0





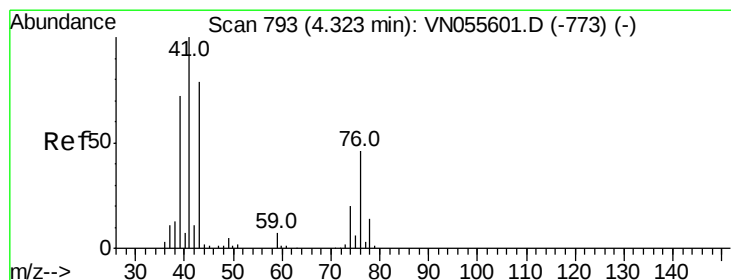
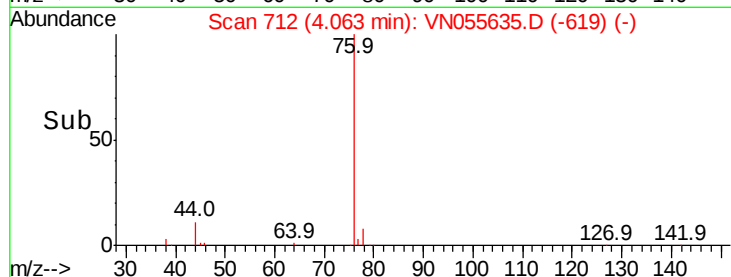
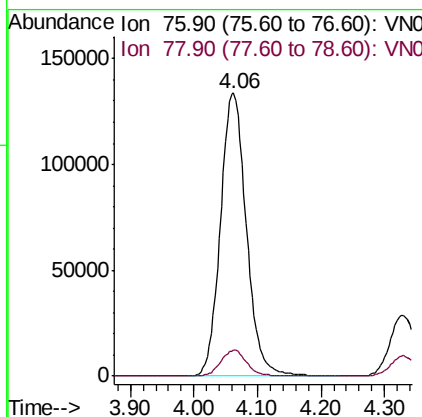
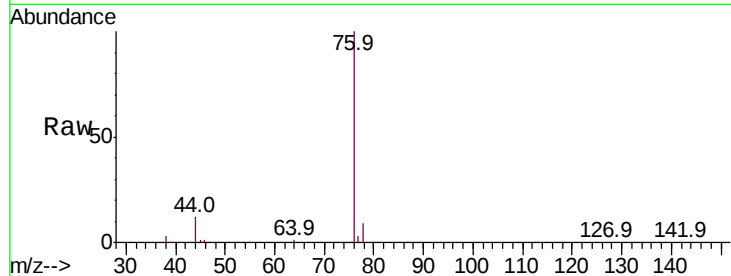
#17
Carbon Disulfide
Concen: 47.317 ug/l
RT: 4.06 min Scan# 712
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

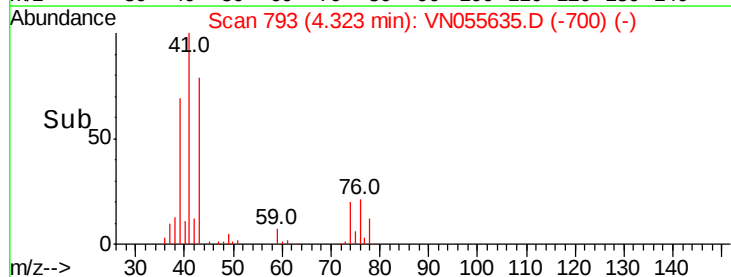
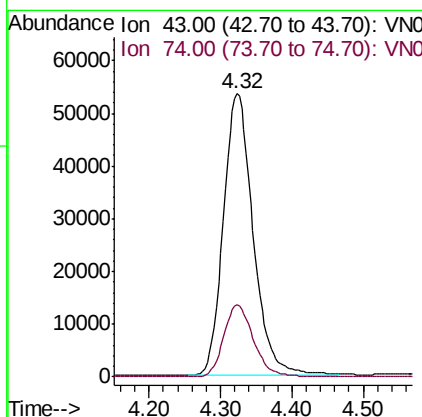
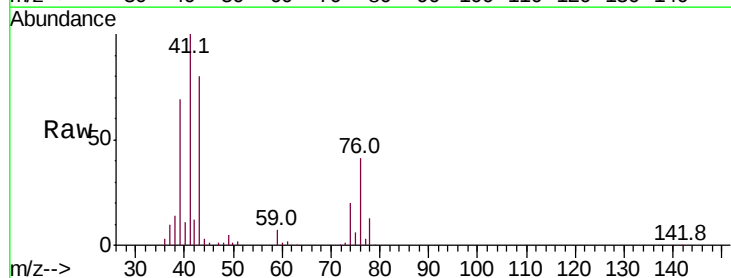
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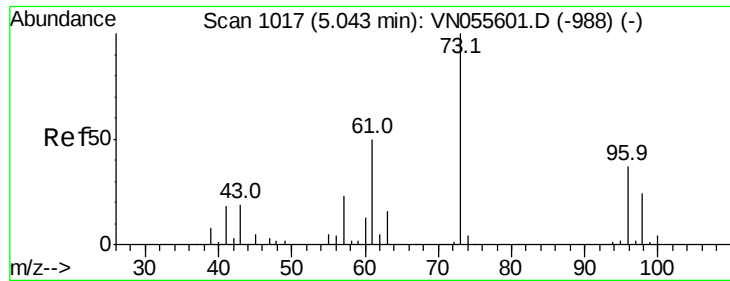
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#18
Methyl Acetate
Concen: 51.331 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.9	29.9





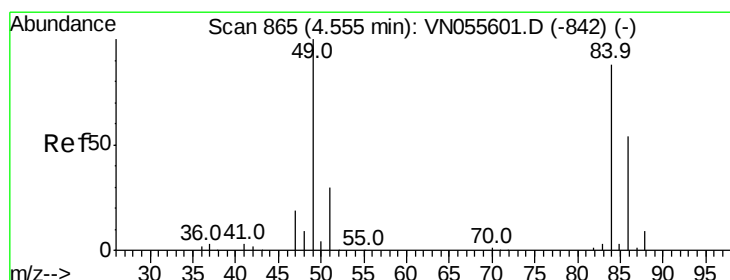
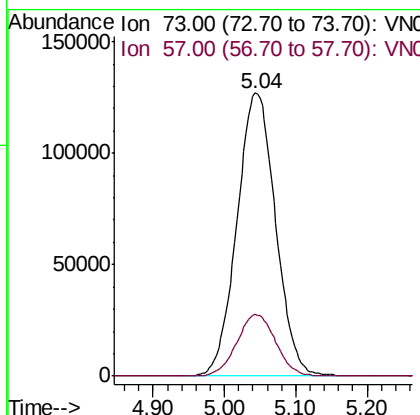
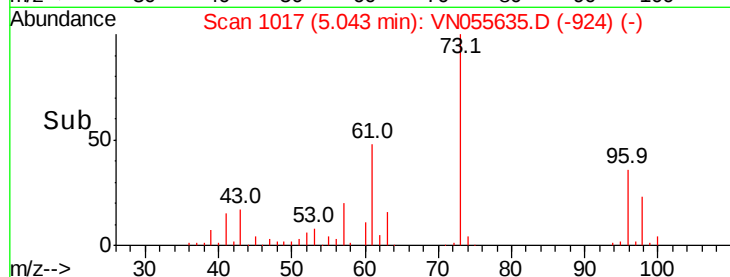
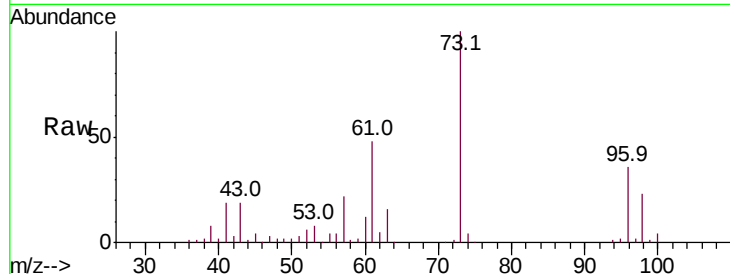
#19
Methvl tert-butvl Ether
Concen: 50.294 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 478280
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.2

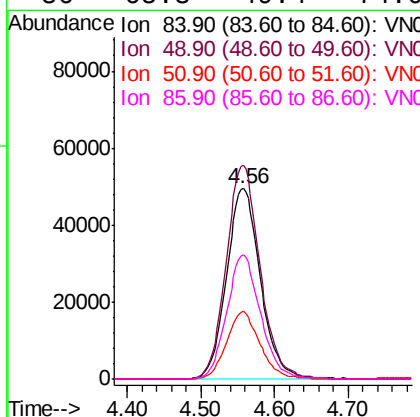
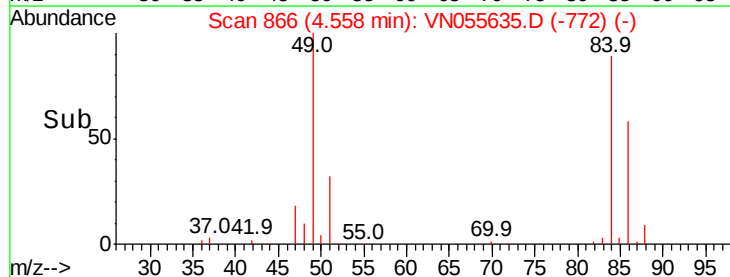
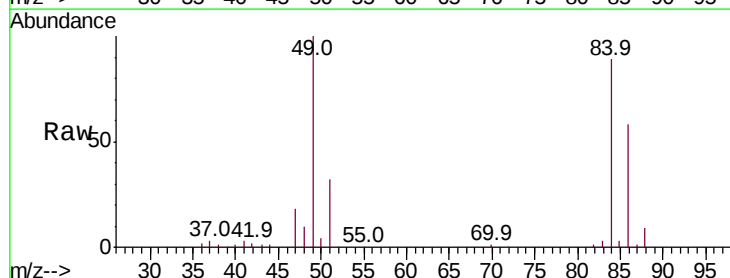
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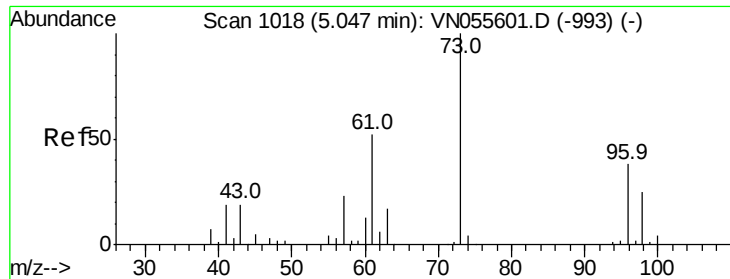
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#20
Methylene Chloride
Concen: 49.195 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion: 84 Resp: 158085
Ion Ratio Lower Upper
84 100
49 112.2 91.0 136.4
51 35.5 27.5 41.3
86 65.3 49.4 74.0





#21

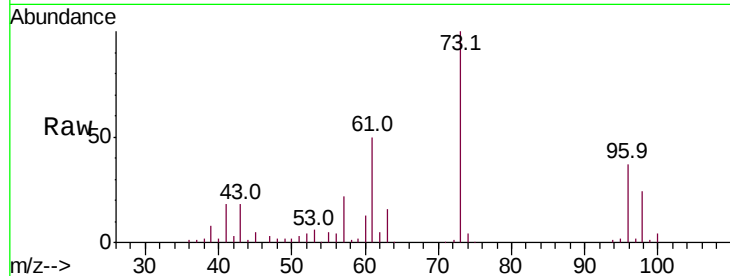
trans-1,2-Dichloroethene
Concen: 49.030 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	108.6	162.8
98	64.5	51.4	77.0

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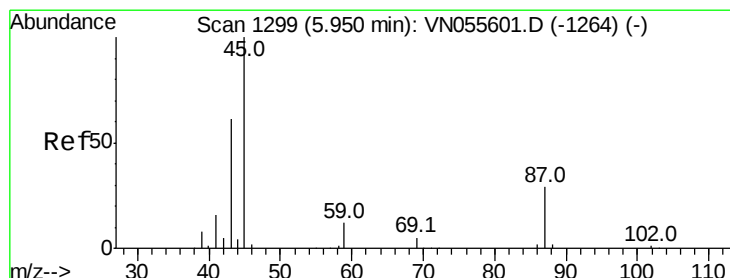
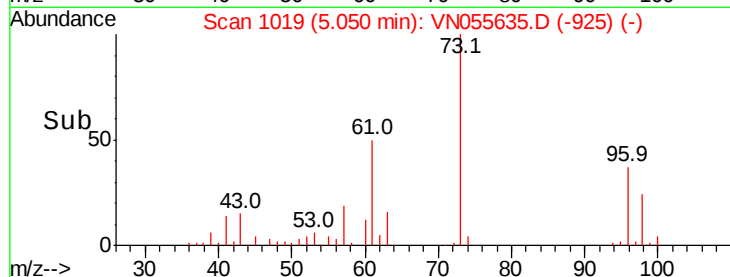
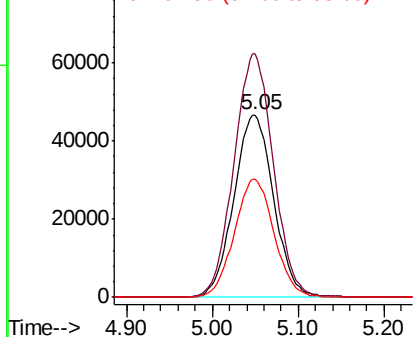


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether
Concen: 48.980 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	50.4	75.6
87	29.9	23.8	35.6
59	12.1	9.5	14.3

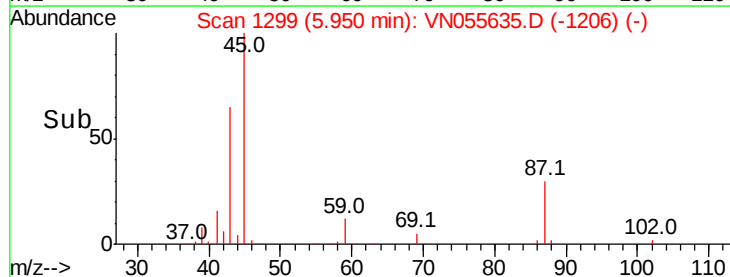
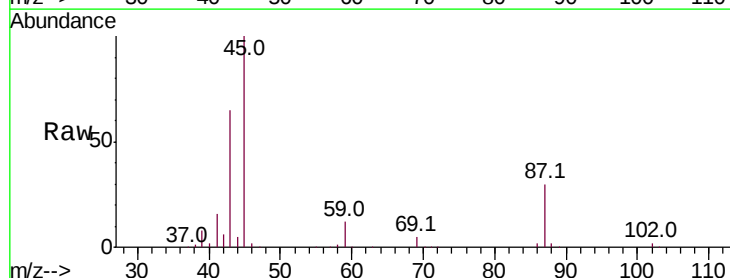
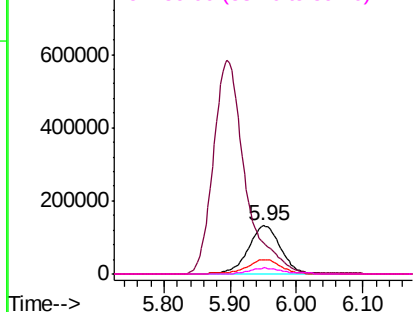
Abundance

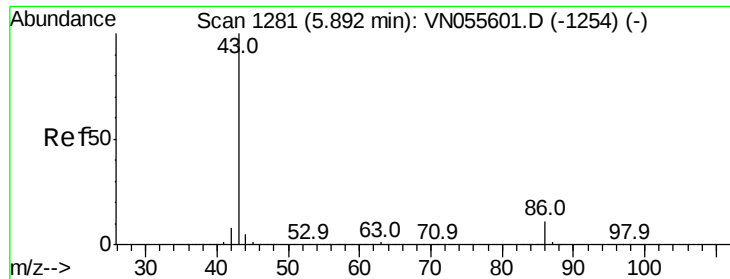
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





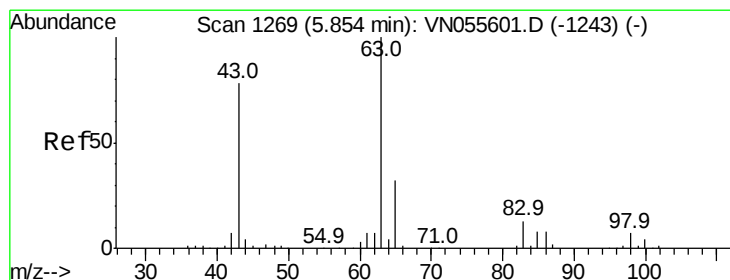
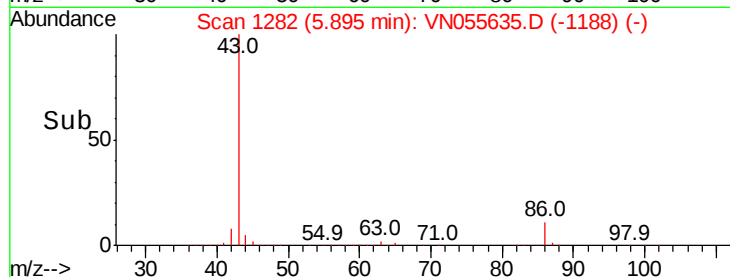
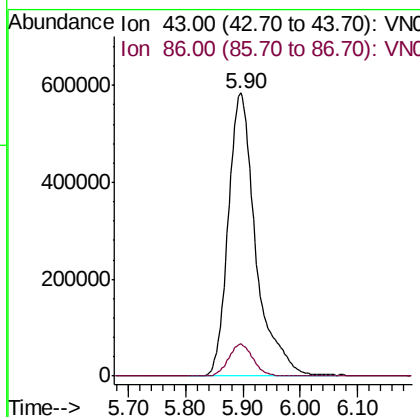
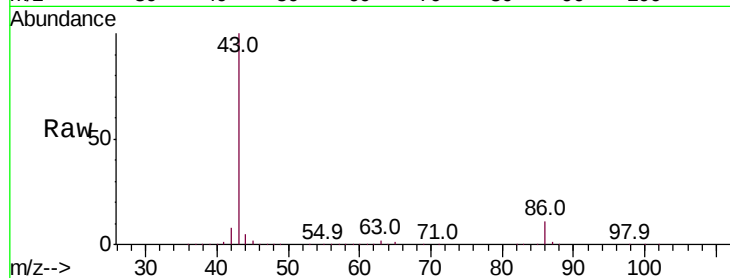
#23
 Vinyl Acetate
 Concen: 250.185 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1952067
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.7 13.1

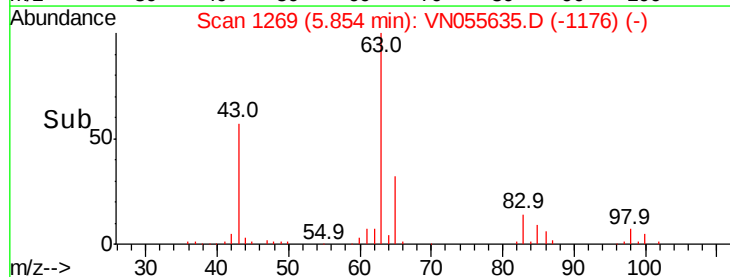
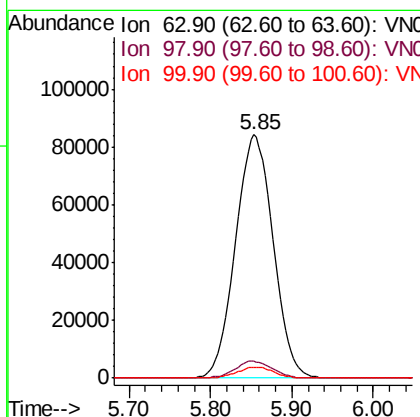
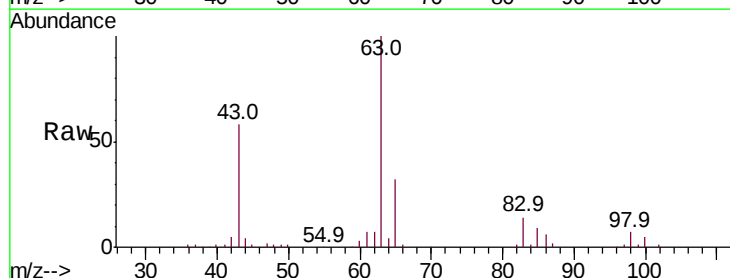
Manual Integrations
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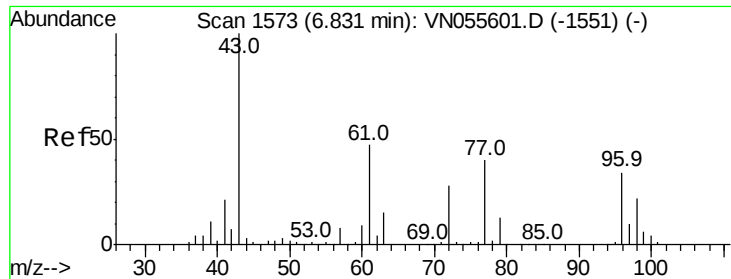
MMDadoda
 5/20/2019 9:08:27 AM



#24
 1,1-Dichloroethane
 Concen: 49.927 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion: 63 Resp: 269190
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.4 10.2
 100 4.6 2.2 6.6





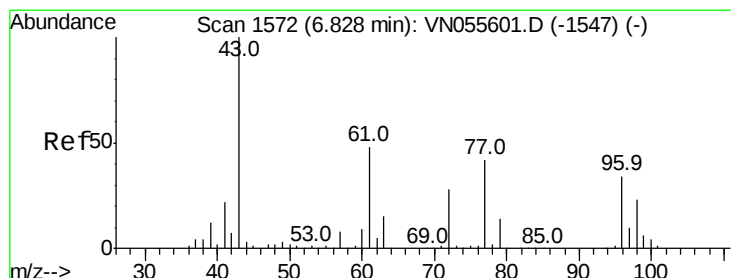
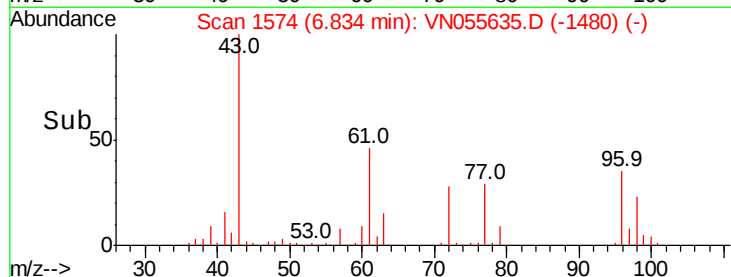
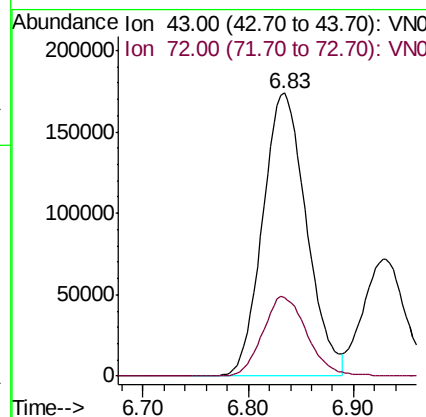
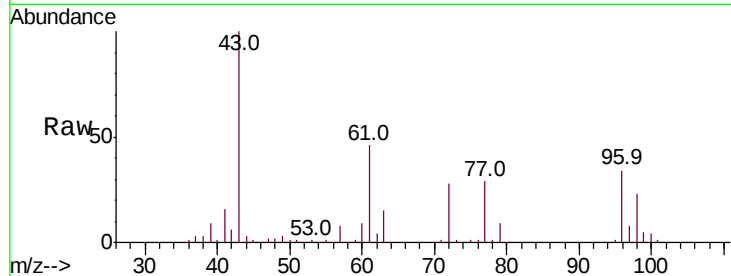
#25
2-Butanone
Concen: 253.932 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 499935
Ion Ratio Lower Upper
43 100
72 27.9 22.3 33.5

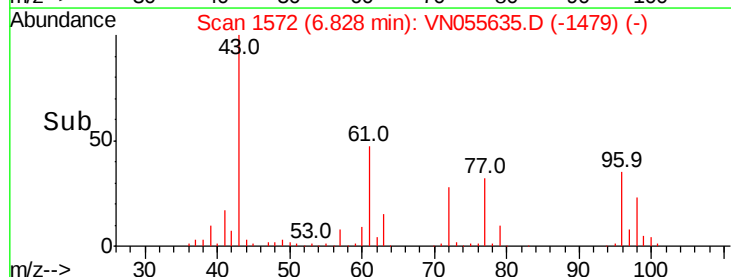
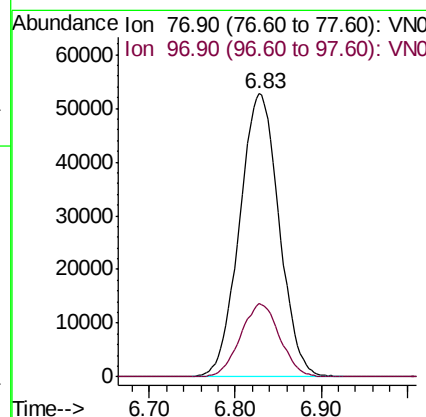
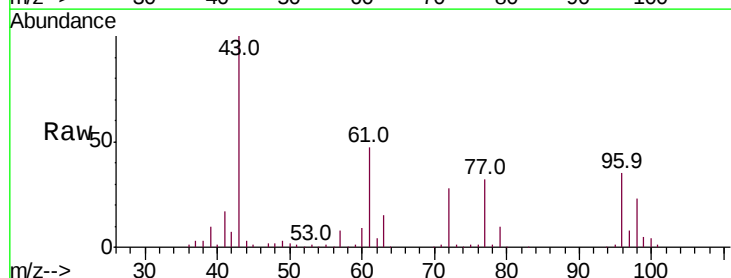
Manual Integrations
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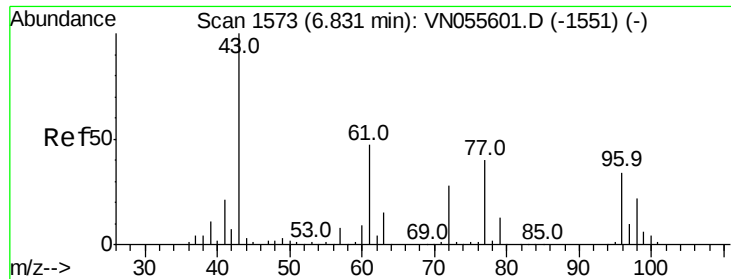
MMDadoda
5/20/2019 9:08:27 AM



#26
2,2-Dichloropropane
Concen: 35.200 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion: 77 Resp: 168439
Ion Ratio Lower Upper
77 100
97 25.7 12.0 36.0





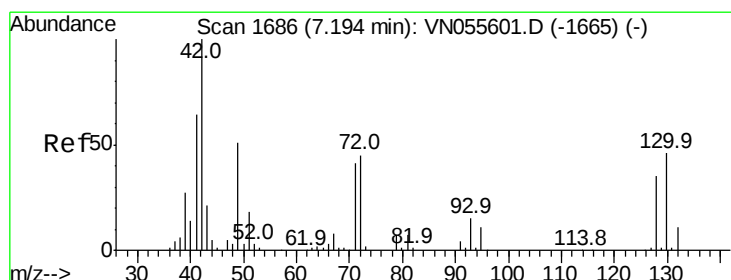
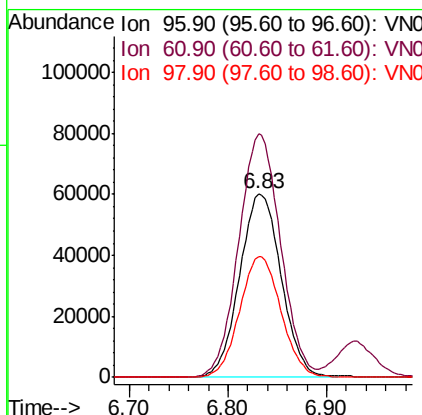
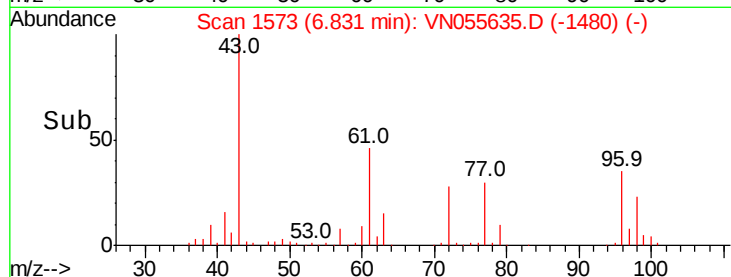
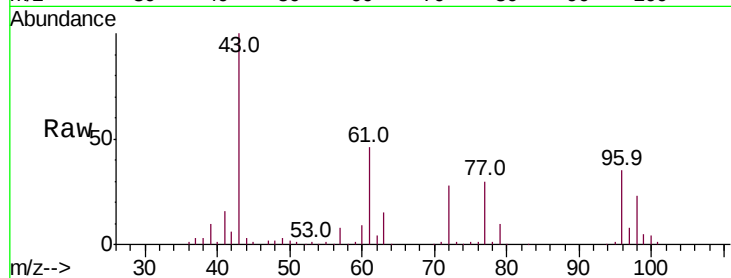
#27
 cis-1,2-Dichloroethene
 Concen: 49.328 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	175891		
61	133.4	0.0	279.0	
98	65.8	0.0	131.6	

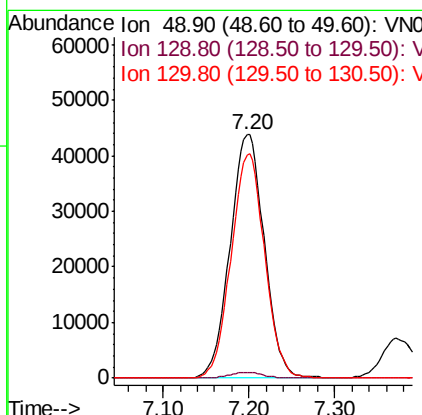
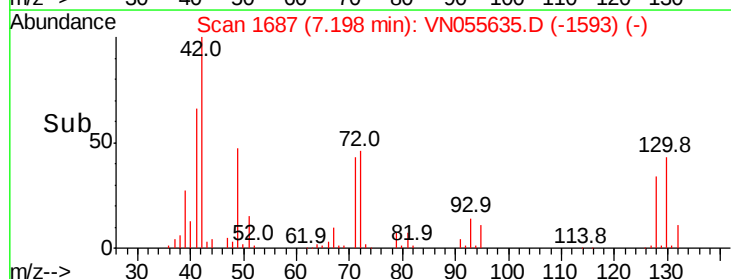
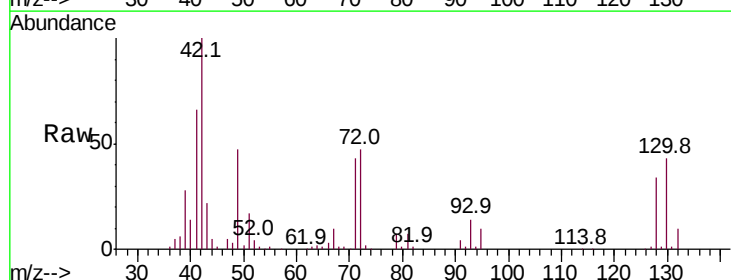
Manual Integrations
 APPROVED

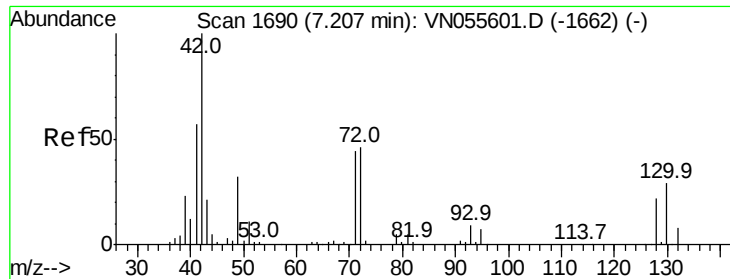
MMDadoda
 5/20/2019 9:08:27 AM



#28
 Bromochloromethane
 Concen: 51.538 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	120890		
129	1.2	0.0	4.4	
130	90.3	71.0	106.6	





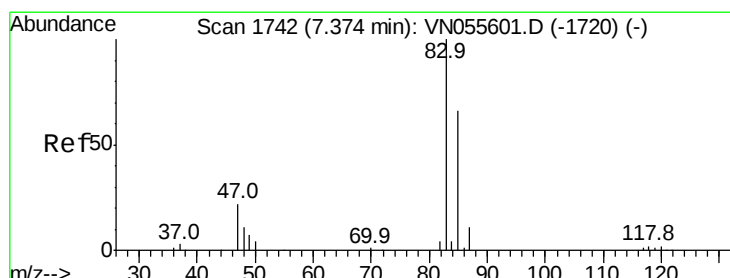
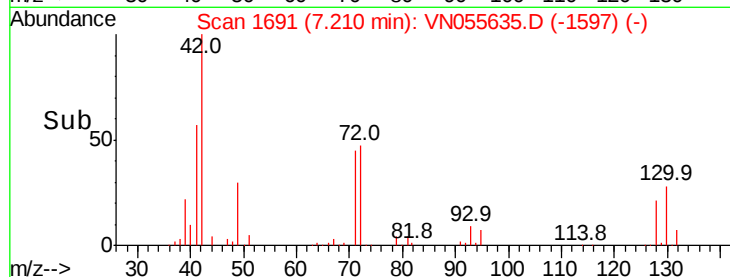
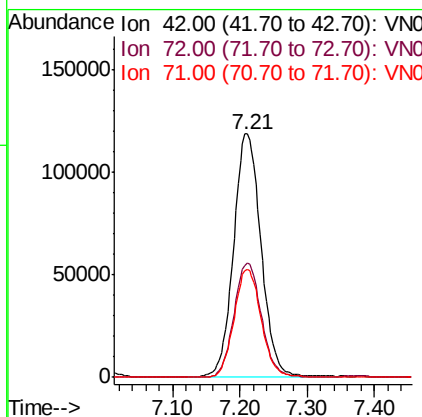
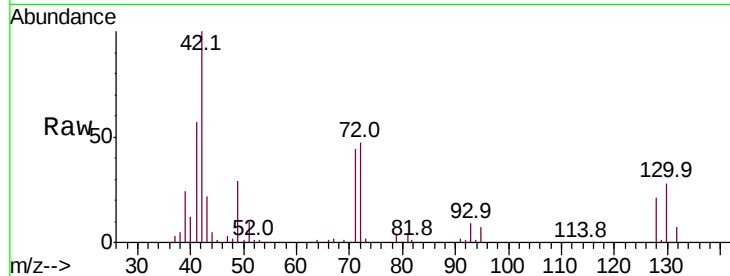
#29
Tetrahydrofuran
Concen: 256.995 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	335207
Ion Ratio	Lower	Upper	
42	100		
72	46.8	36.5	54.7
71	44.0	34.9	52.3

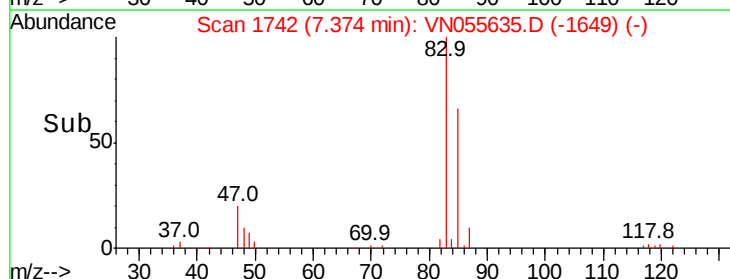
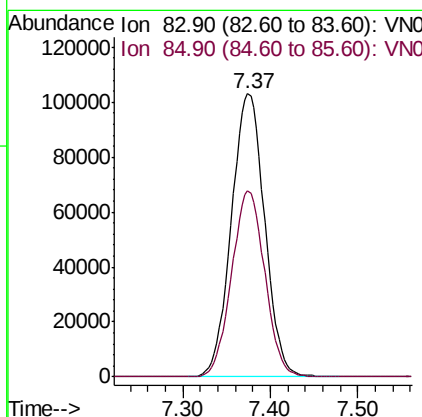
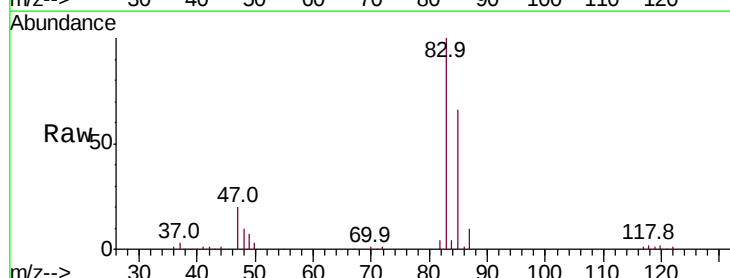
Manual Integrations
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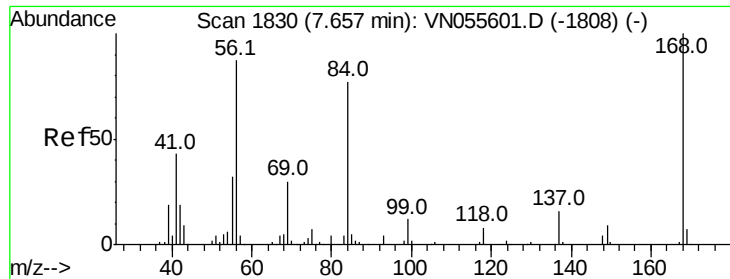
MMDadoda
5/20/2019 9:08:27 AM



#30
Chloroform
Concen: 49.249 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion:	83	Resp:	272569
Ion Ratio	Lower	Upper	
83	100		
85	65.8	52.6	78.8





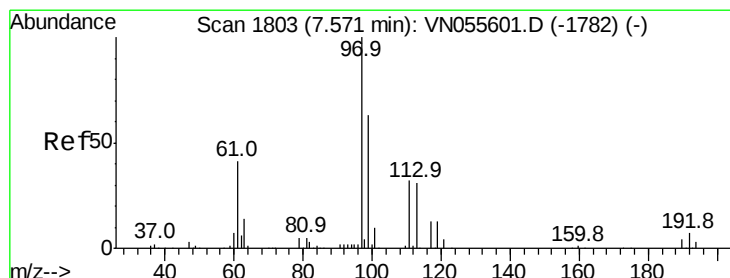
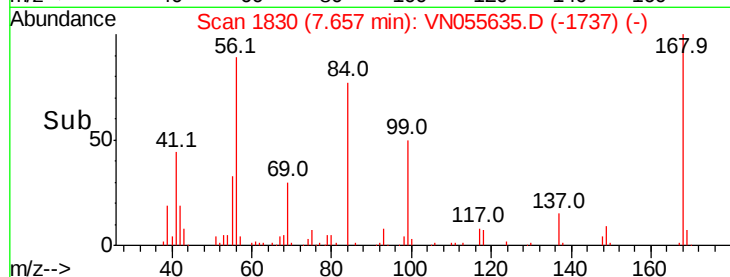
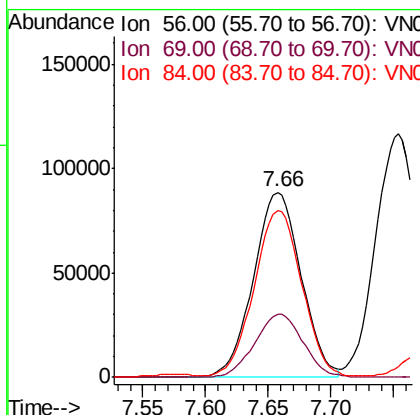
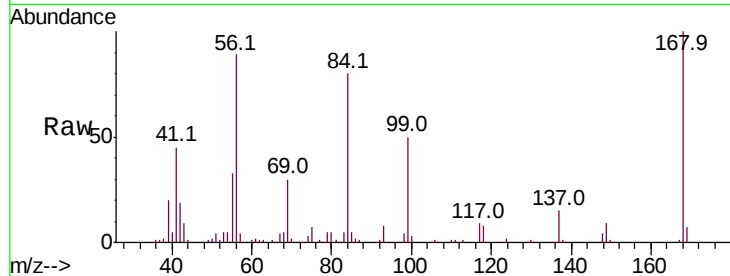
#31
Cyclohexane
Concen: 45.846 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	27.2	40.8
84	88.6	71.3	106.9

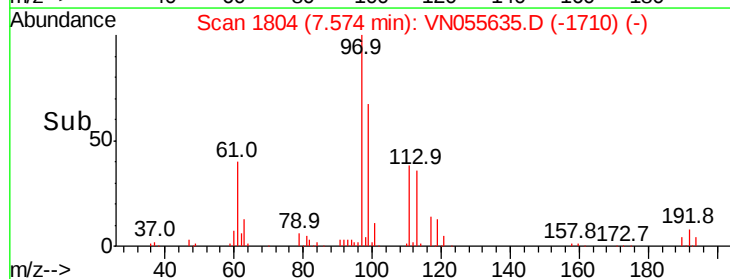
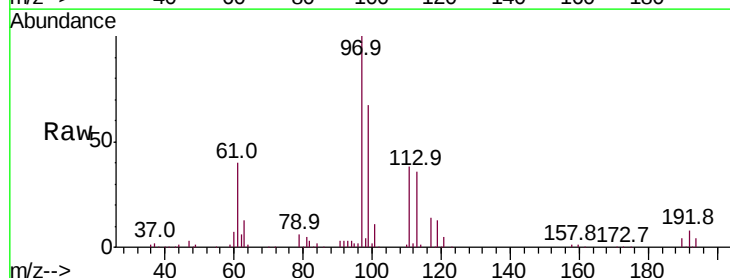
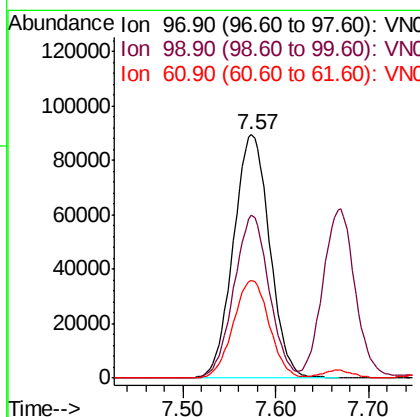
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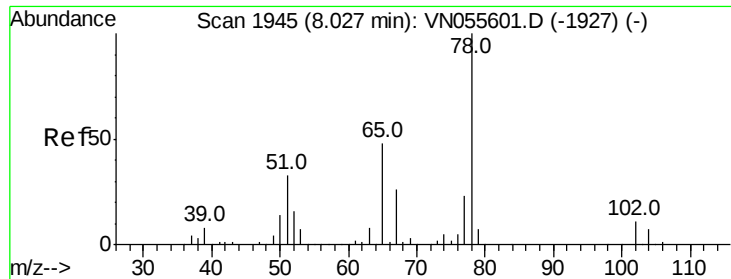
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#32
1,1,1-Trichloroethane
Concen: 48.834 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.4	77.2
61	39.9	32.9	49.3





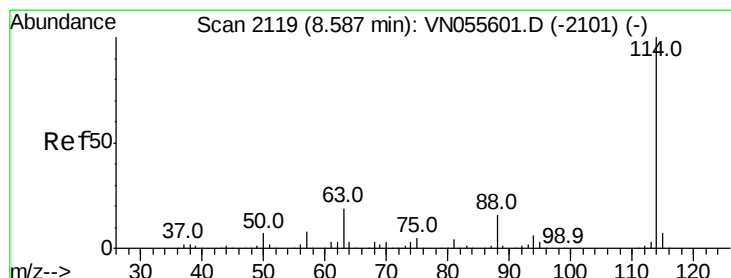
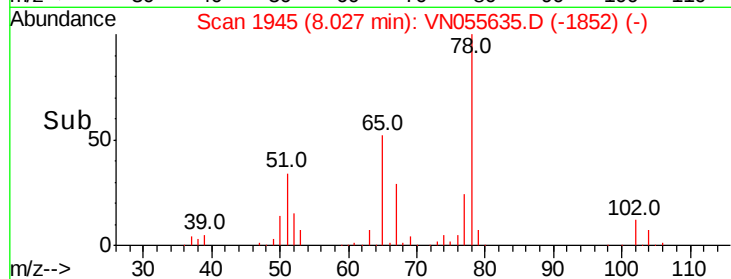
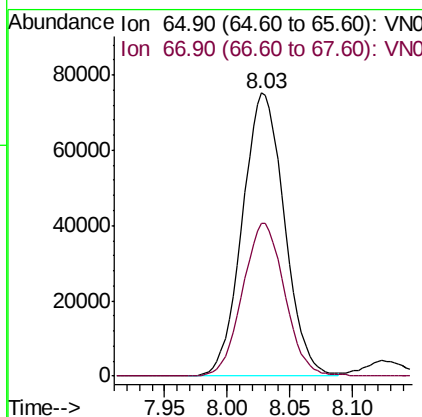
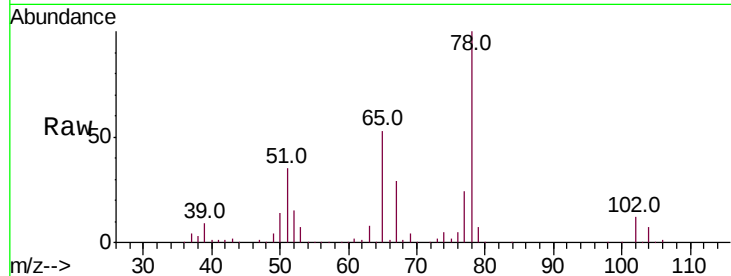
#33
 1,2-Dichloroethane-d4
 Concen: 50.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	175686		
67	54.1	0.0	108.6	

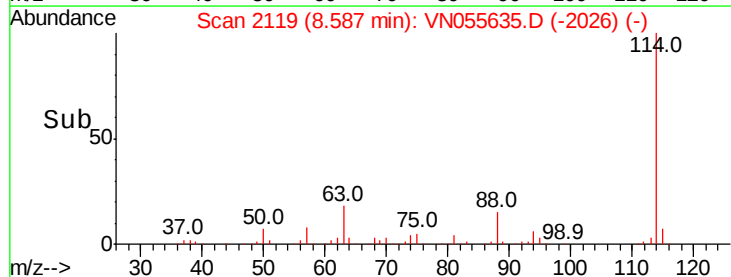
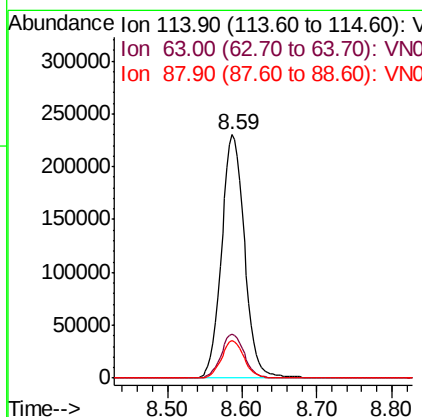
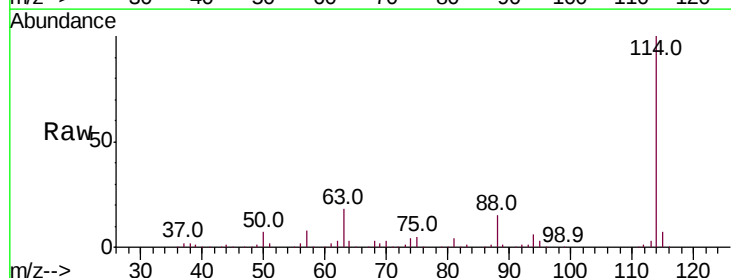
Manual Integrations
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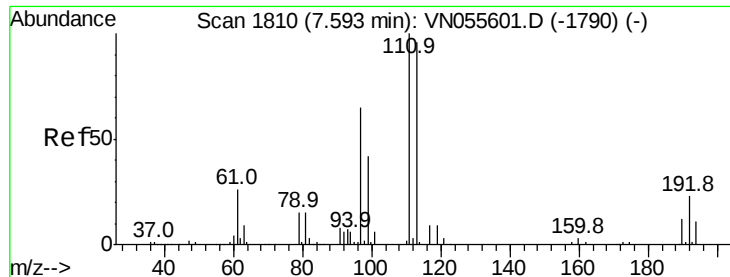
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	489462		
63	18.2	0.0	38.2	
88	15.4	0.0	31.0	





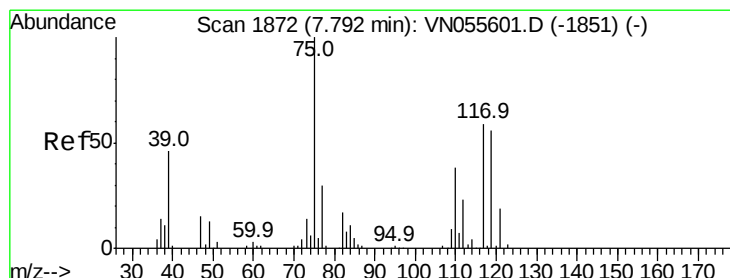
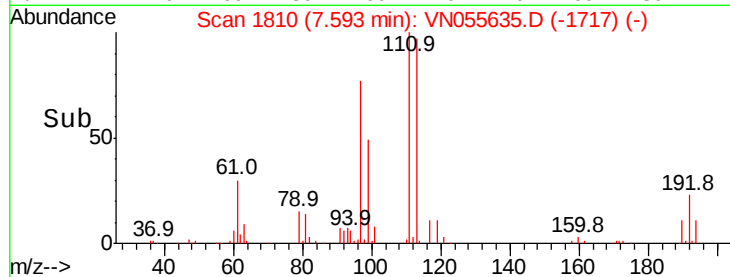
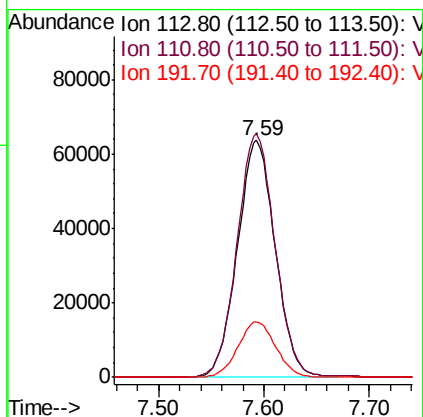
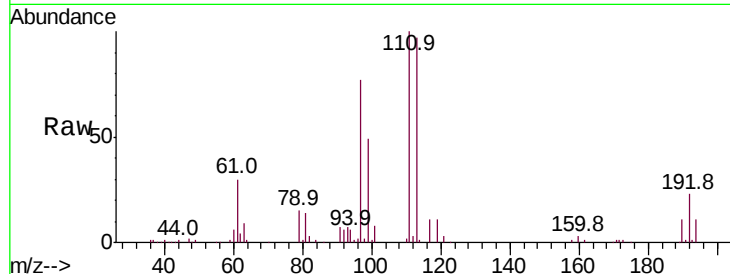
#35
 Dibromofluoromethane
 Concen: 51.199 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159193		
111	103.5	82.5	123.7	
192	23.4	18.7	28.1	

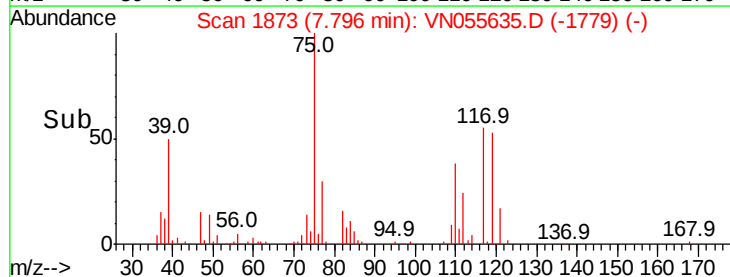
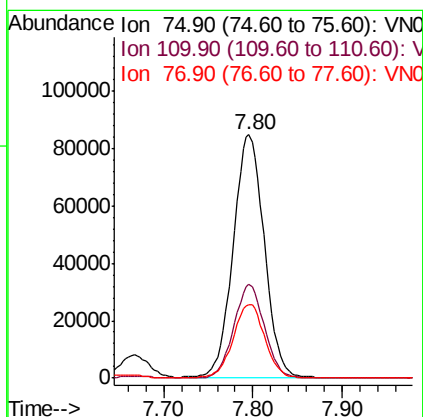
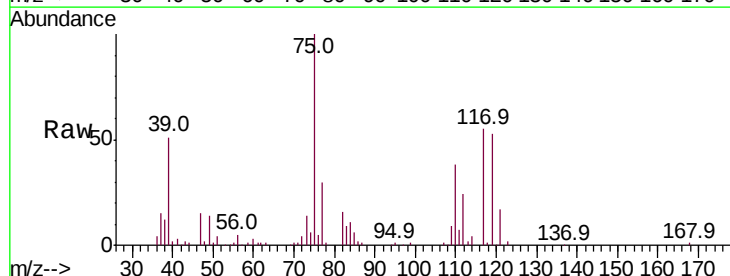
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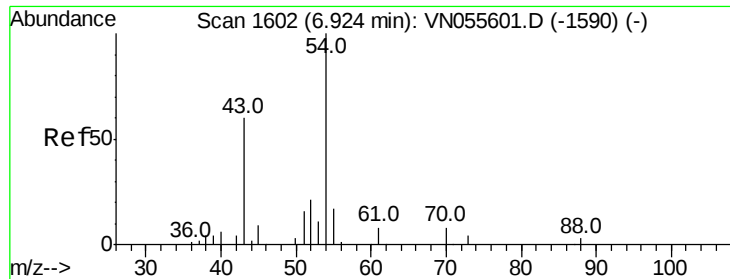
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#36
 1,1-Dichloropropene
 Concen: 46.999 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	205097		
110	37.9	18.6	55.6	
77	31.0	24.9	37.3	





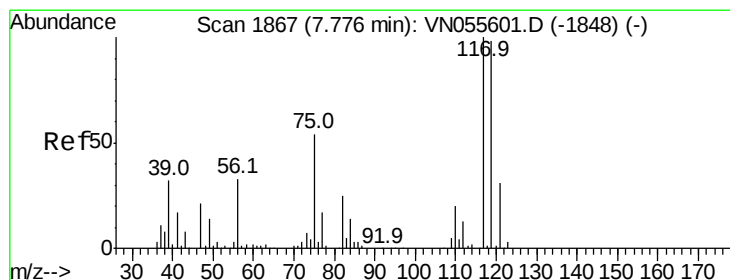
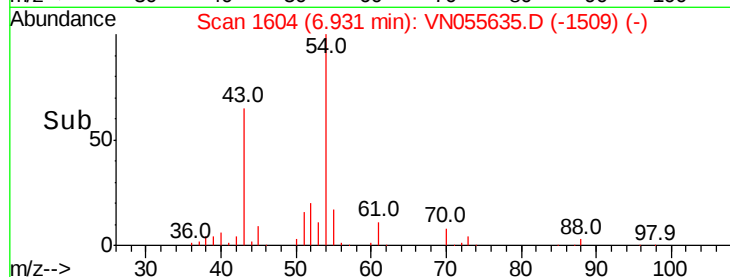
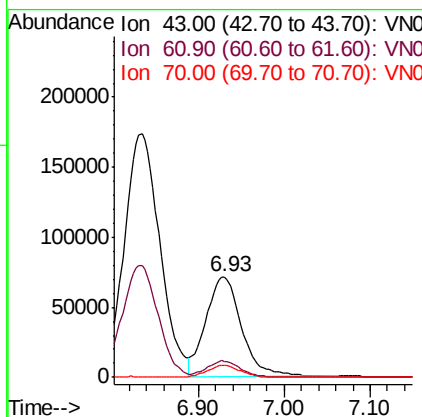
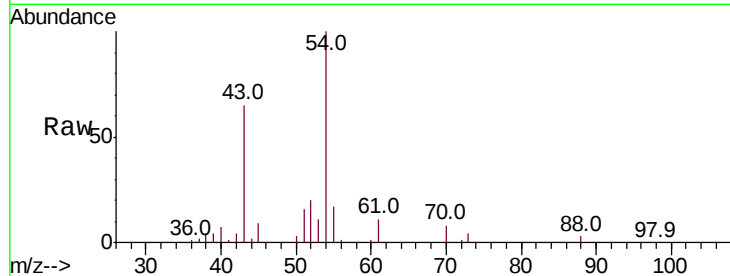
#37
Ethyl Acetate
Concen: 52.305 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.4	17.0
70	11.5	9.2	13.8

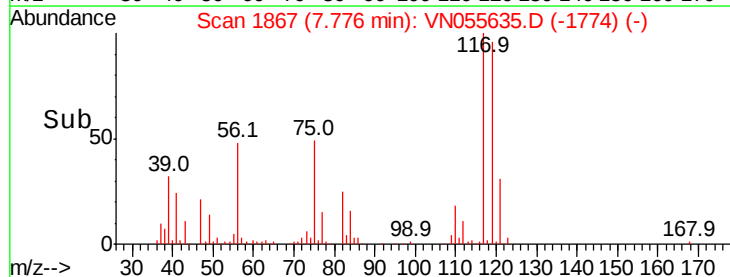
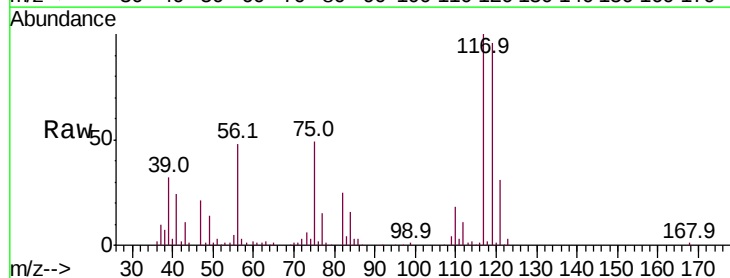
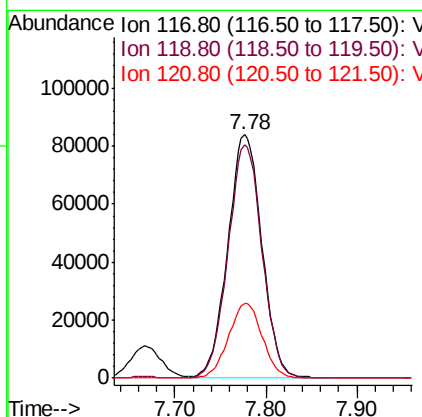
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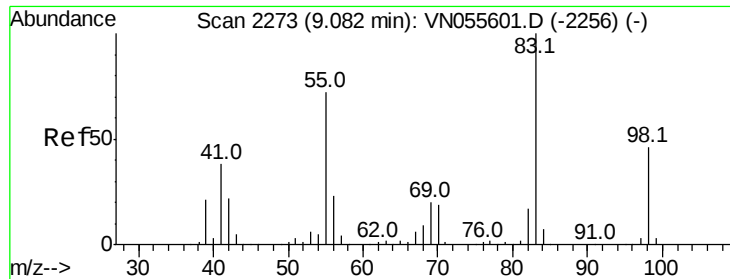
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#38
Carbon Tetrachloride
Concen: 46.888 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
121	30.9	24.6	37.0





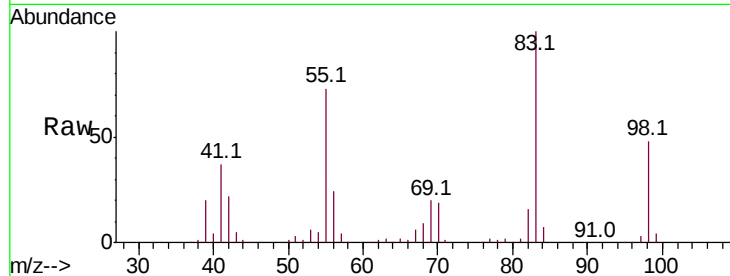
#39
Methvlcvclohexane
Concen: 44.083 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

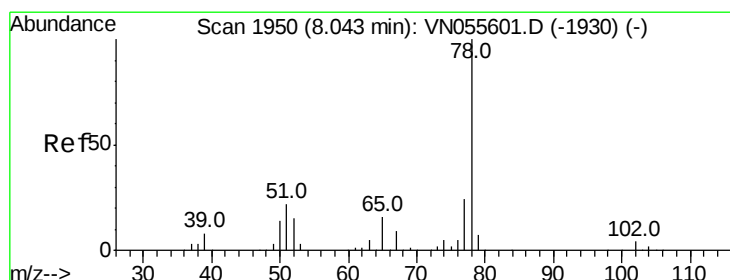
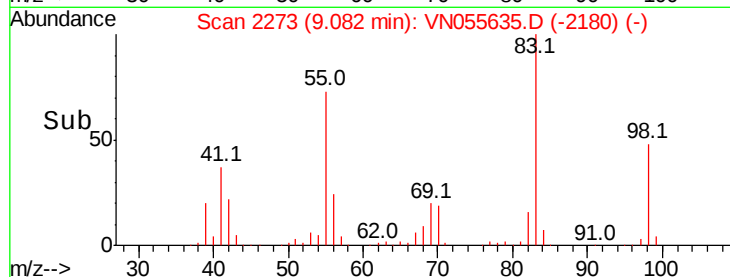
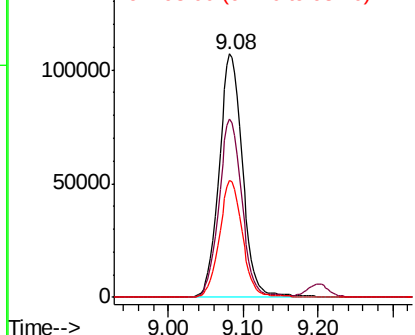
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	57.8	86.6
98	48.1	36.7	55.1

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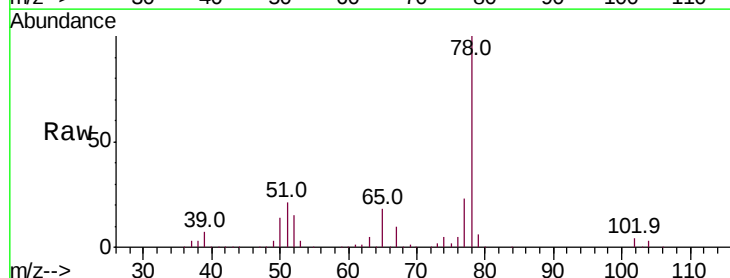


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

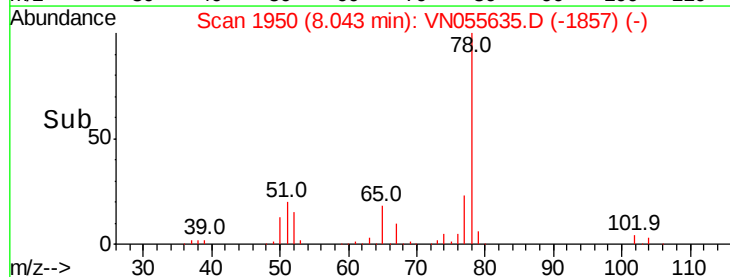
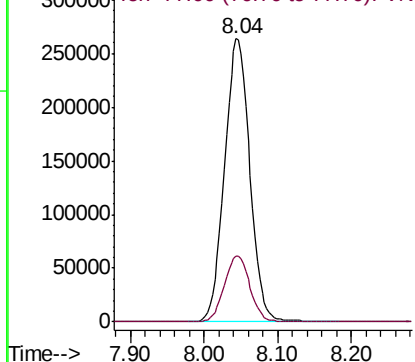


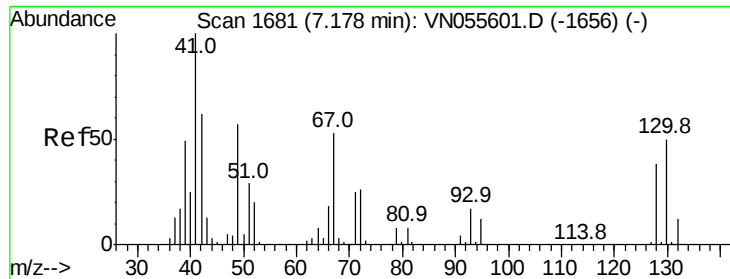
#40
Benzene
Concen: 48.859 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.9	28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 57.940 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tot Ion	41	Resp	97546
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :

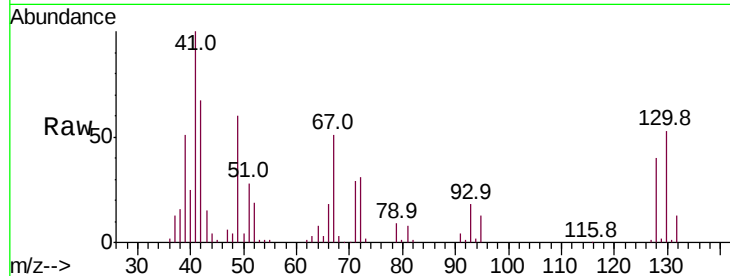
MSVOA_N

ClientSampleId :

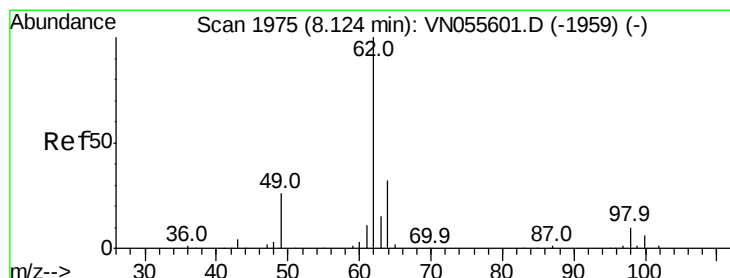
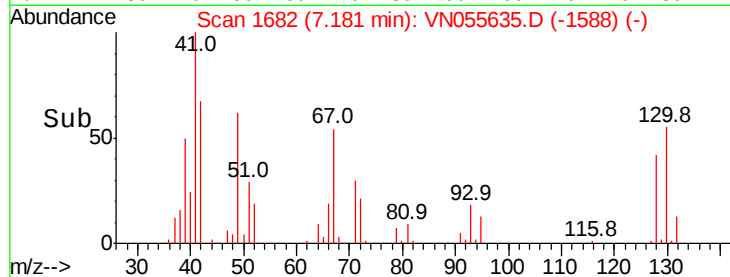
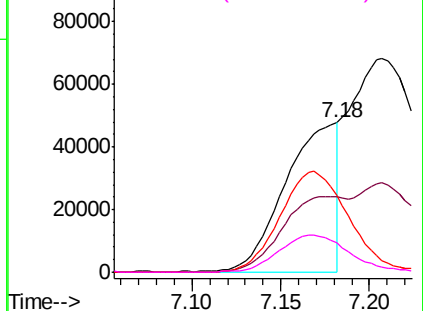
VSTDCCC050

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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: 49.828 ug/l

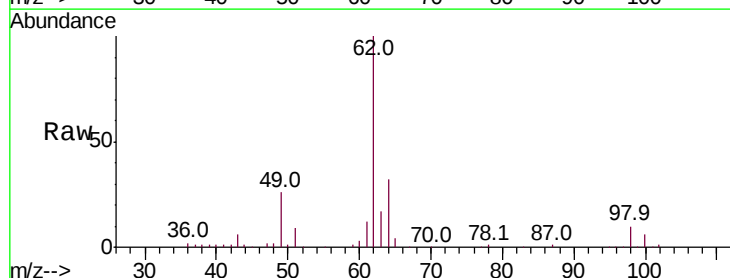
RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

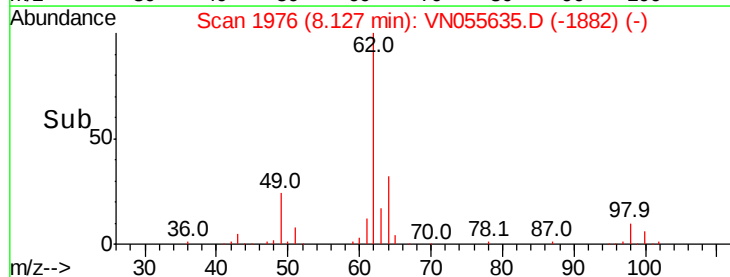
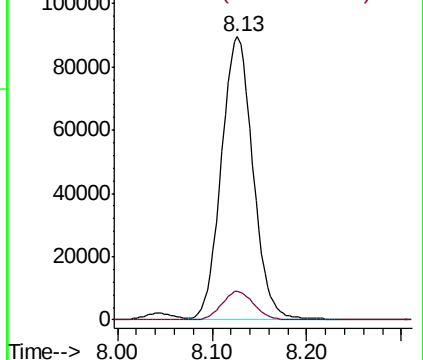
Lab File: VN055635.D

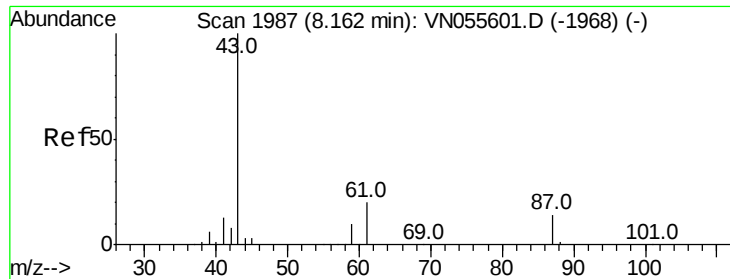
Acq: 18 May 2019 1:48

Tgt Ion	62	Resp	207105
Ion Ratio	Lower	Upper	
62	100		
98	10.2	0.0	20.2



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





#43

Isopropyl Acetate

Concen: 49.356 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

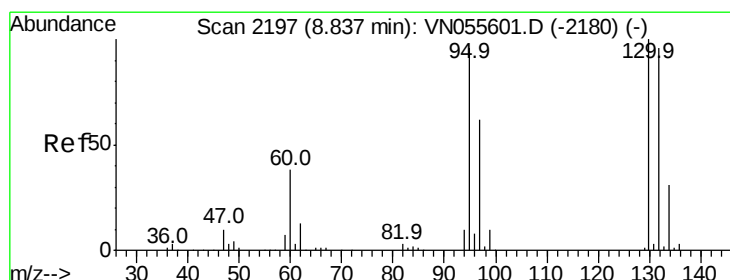
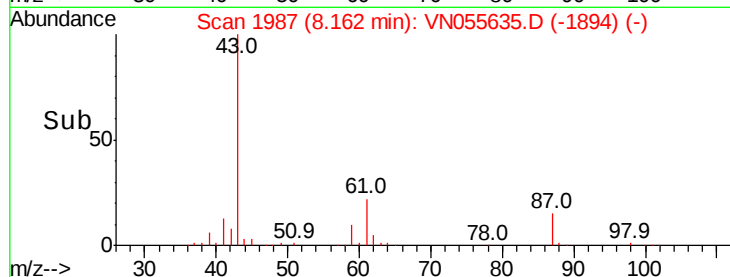
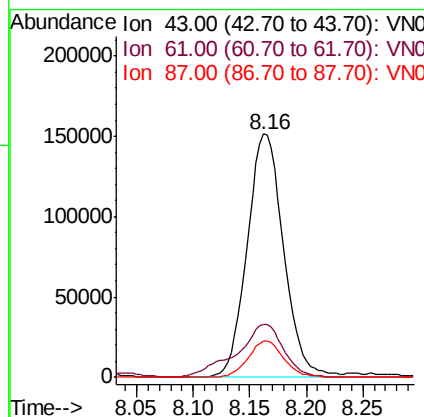
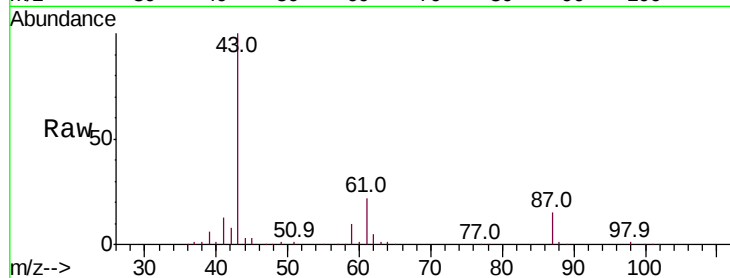
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	338080
Ion	Ratio	Lower	Upper
43	100		
61	28.5	22.1	33.1
87	14.8	11.8	17.6

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#44

Trichloroethene

Concen: 49.741 ug/l

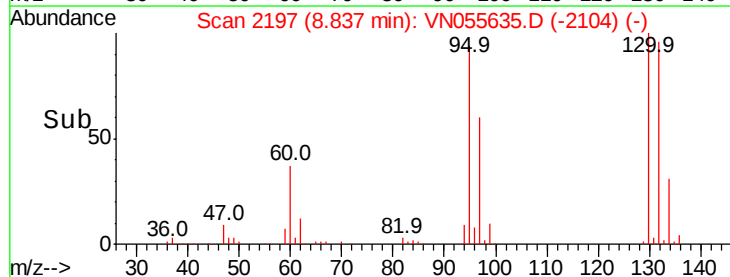
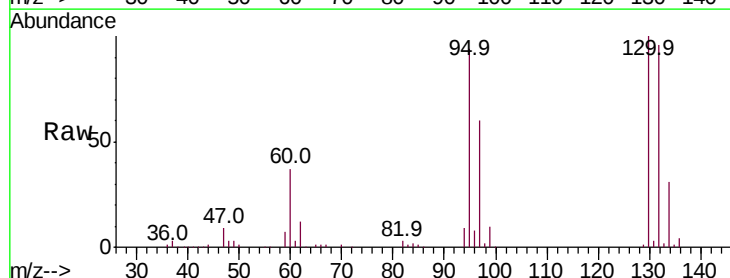
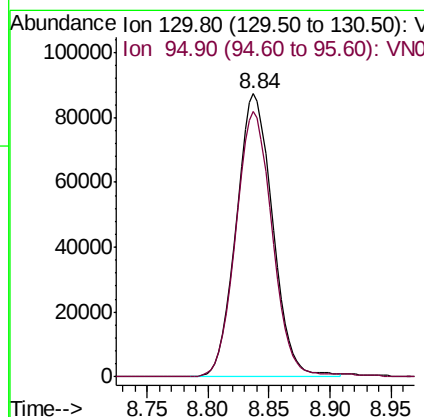
RT: 8.84 min Scan# 2197

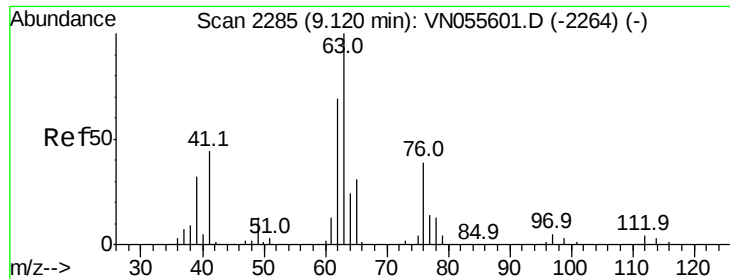
Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	130	Resp:	180154
Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.0





#45

1,2-Dichloropropane

Concen: 48.821 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 165081

Ion Ratio Lower Upper

63 100

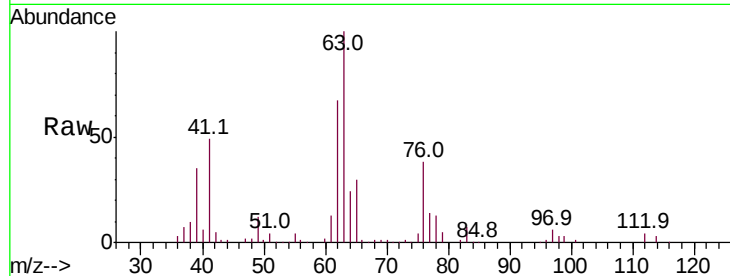
65 29.7 25.2 37.8

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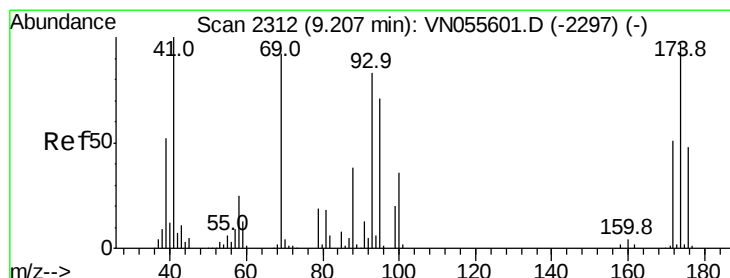
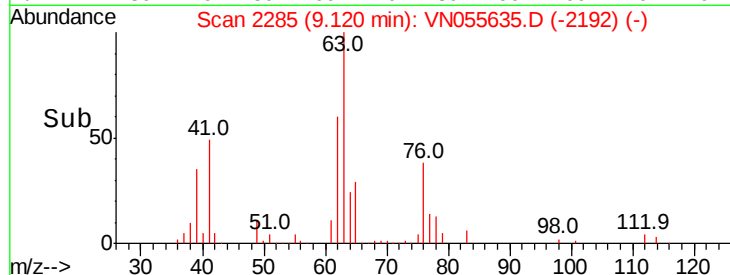
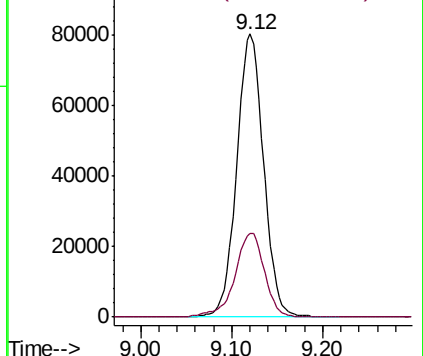
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.405 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

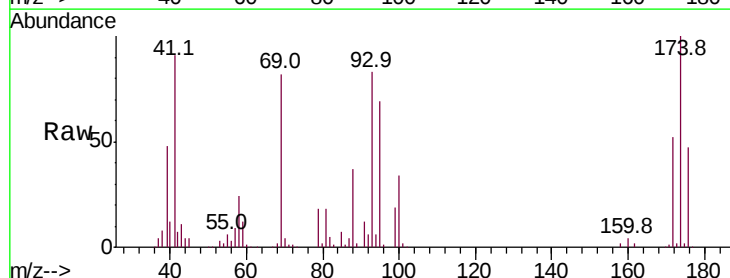
Tgt Ion: 93 Resp: 109338

Ion Ratio Lower Upper

93 100

95 84.6 67.9 101.9

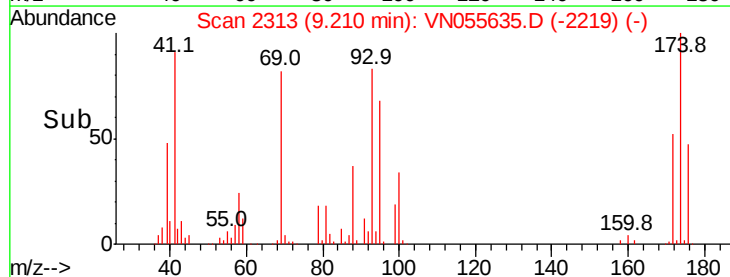
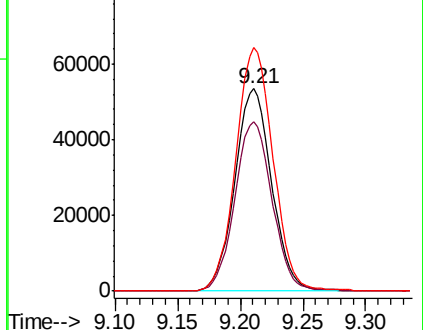
174 121.8 93.8 140.6

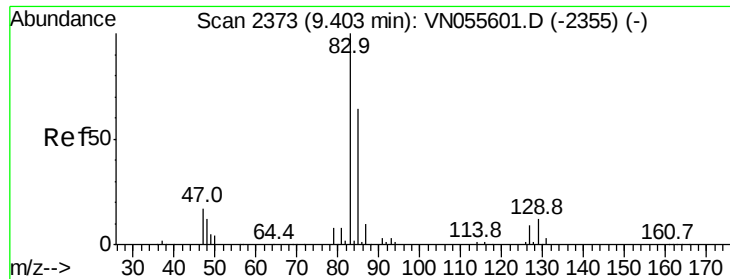


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





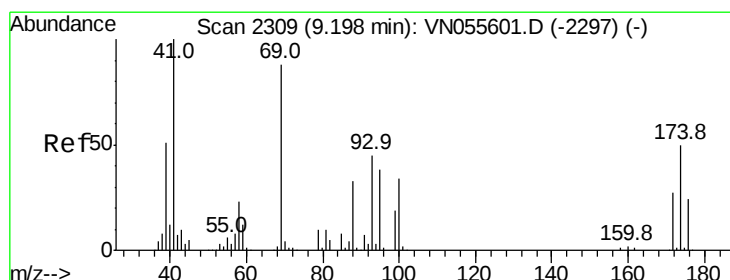
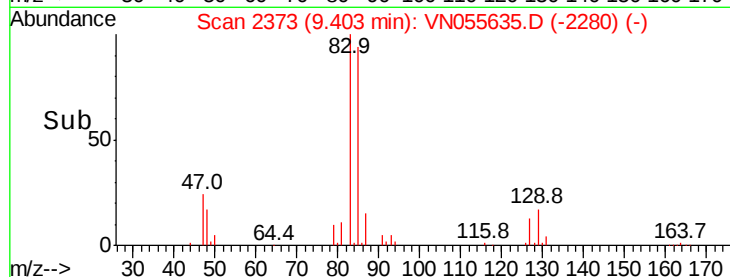
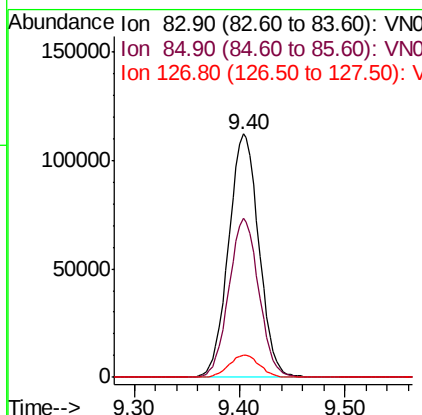
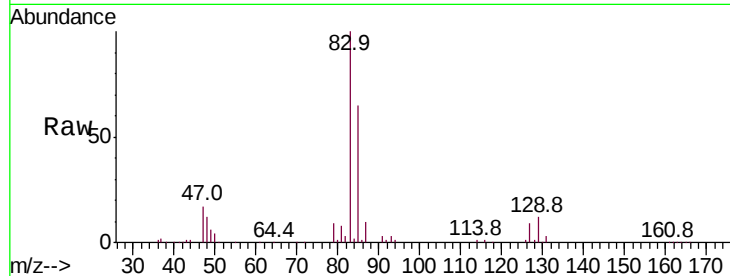
#47
Bromodichloromethane
Concen: 48.078 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.4	77.0
127	9.3	7.1	10.7

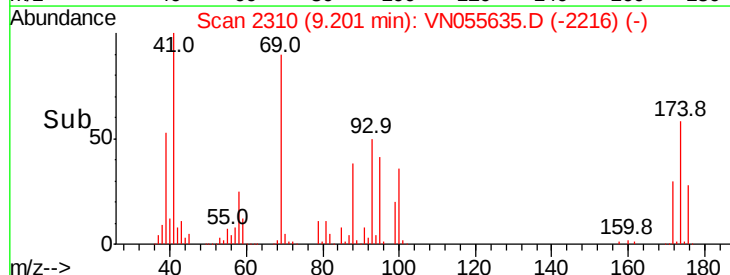
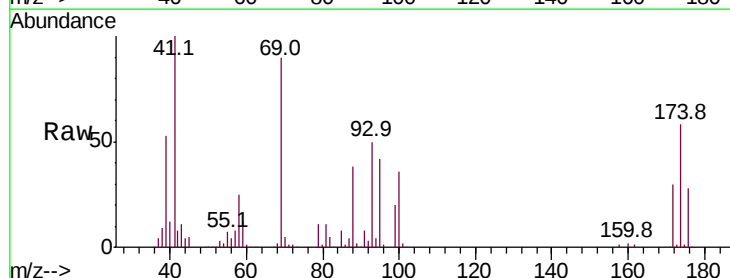
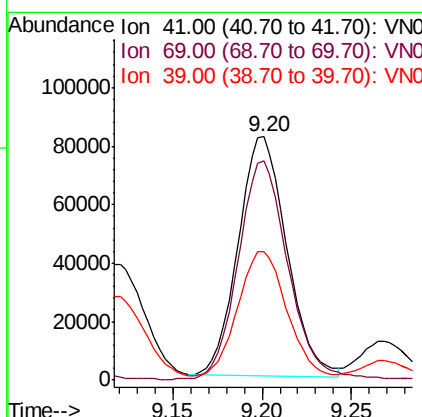
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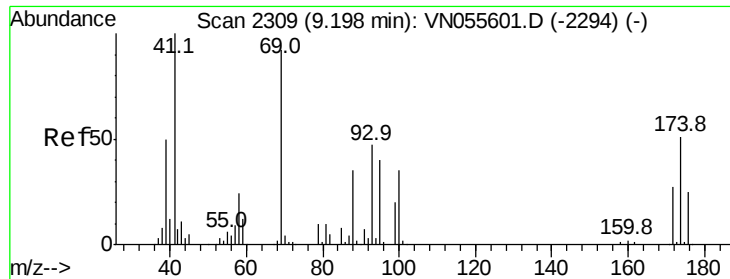
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#48
Methyl methacrylate
Concen: 50.661 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.7	74.2	111.2
39	55.9	43.8	65.8





#49

1,4-Dioxane

Concen: 1112.343 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

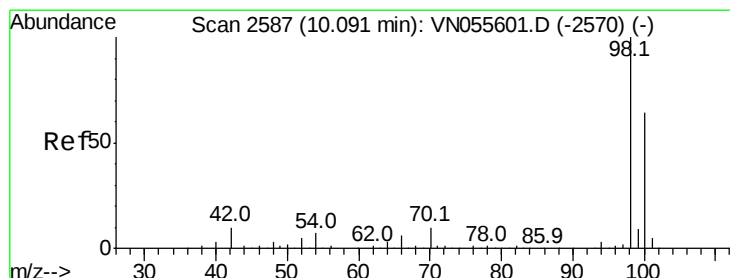
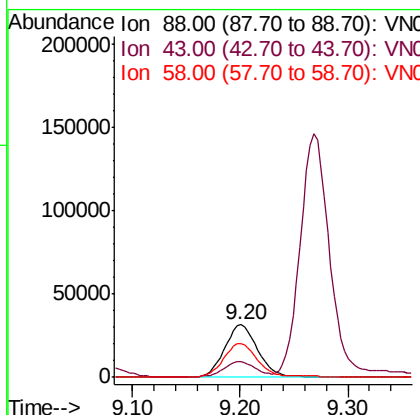
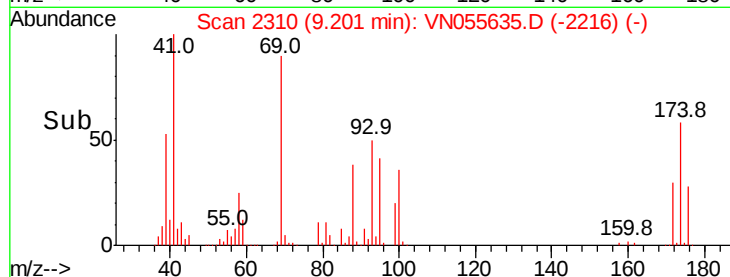
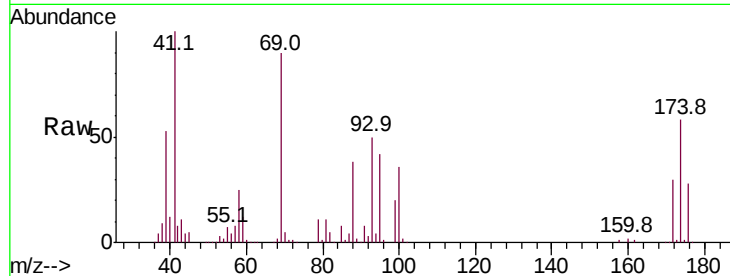
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	67672
Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.4	33.6
58	65.3	53.4	80.2

Manual Integrations
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#50

Toluene-d8

Concen: 50.225 ug/l

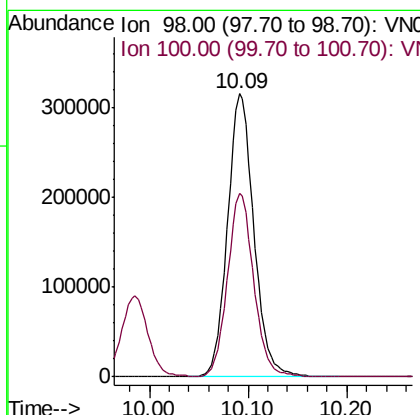
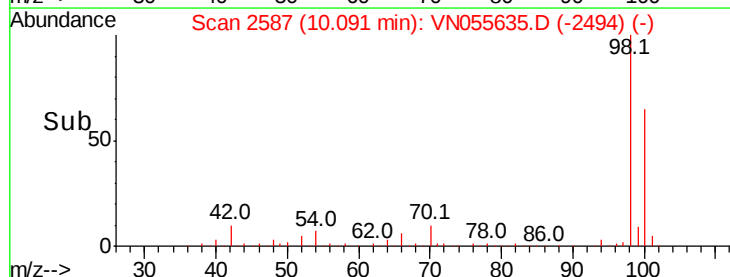
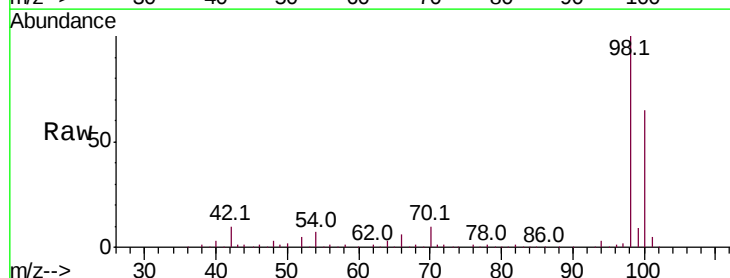
RT: 10.09 min Scan# 2587

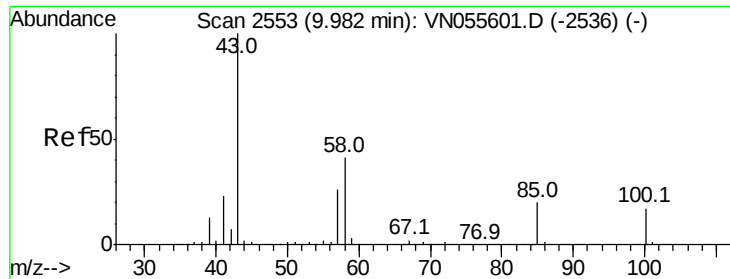
Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	98	Resp:	590472
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 251.206 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1009348

Ion Ratio Lower Upper

43 100

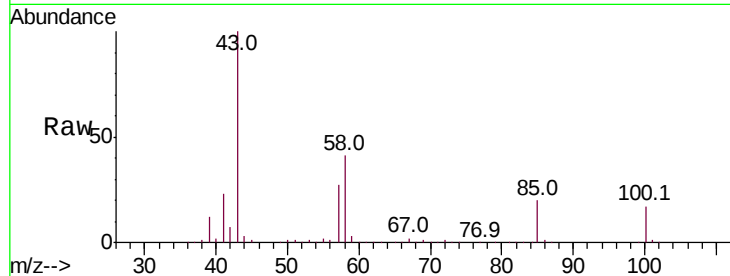
58 41.1 32.7 49.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

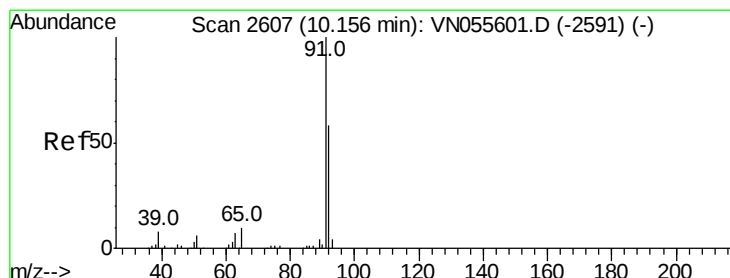
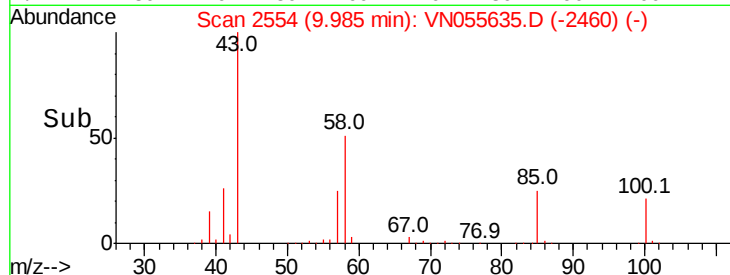
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.972 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055635.D

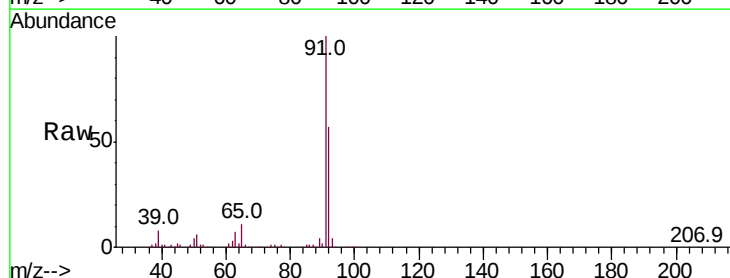
Acq: 18 May 2019 1:48

Tgt Ion: 92 Resp: 394250

Ion Ratio Lower Upper

92 100

91 174.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

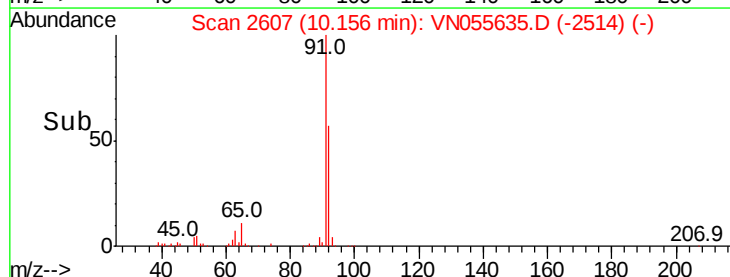
300000

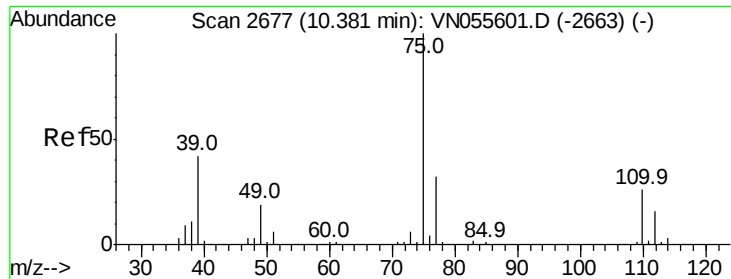
200000

100000

0

Time-->





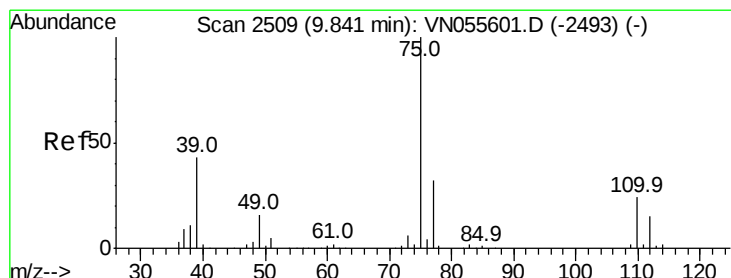
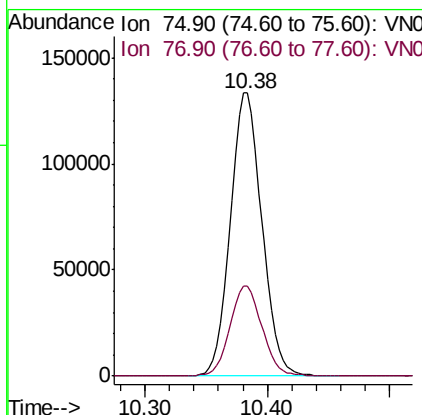
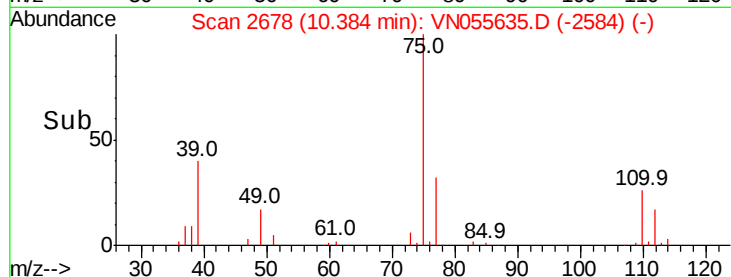
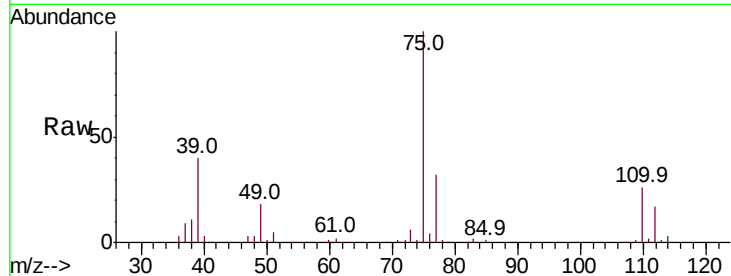
#53
 t-1,3-Dichloropropene
 Concen: 48.041 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 239827
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.2

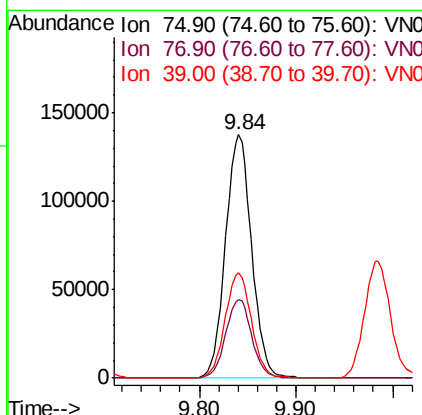
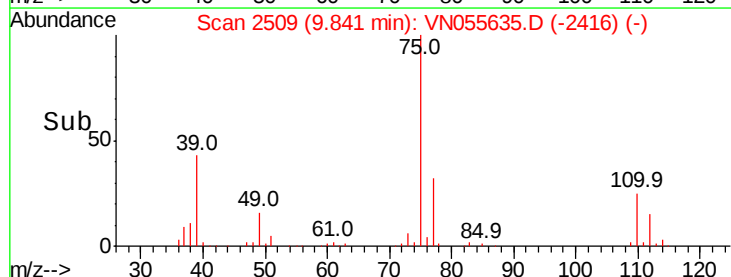
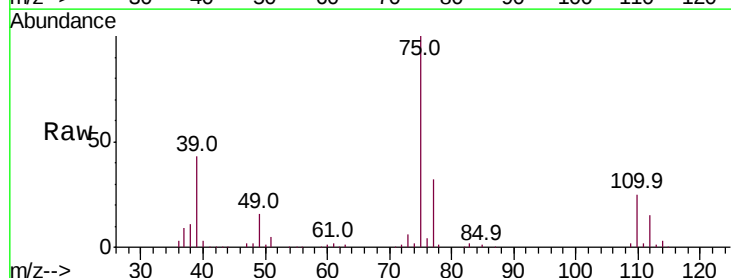
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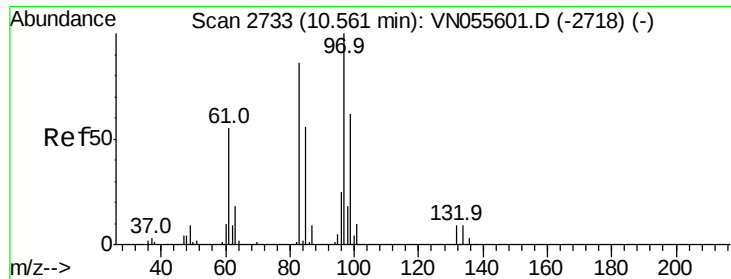
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 5/20/2019 9:08:27 AM



#54
 cis-1,3-Dichloropropene
 Concen: 47.181 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion: 75 Resp: 258033
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.7 38.5
 39 43.2 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 49.328 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 163488

Ion Ratio Lower Upper

97 100

83 83.0 68.4 102.6

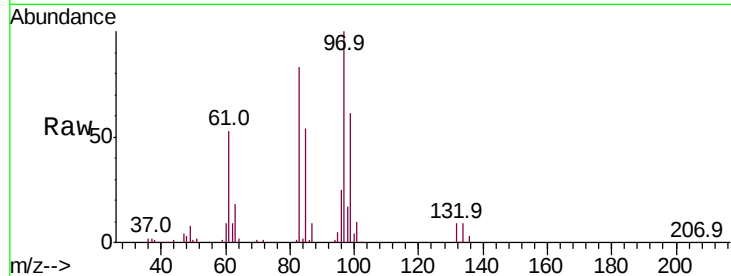
85 54.4 44.8 67.2

99 61.0 49.9 74.9

Manual Integrations
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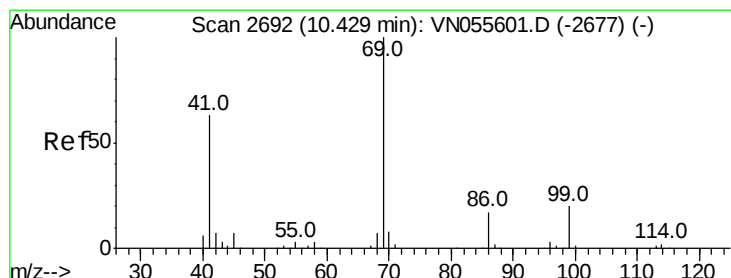
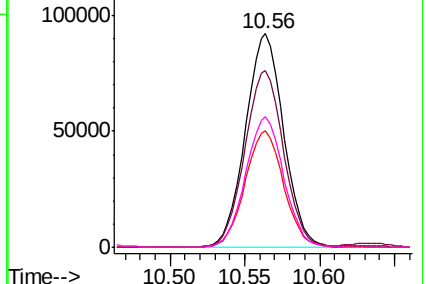
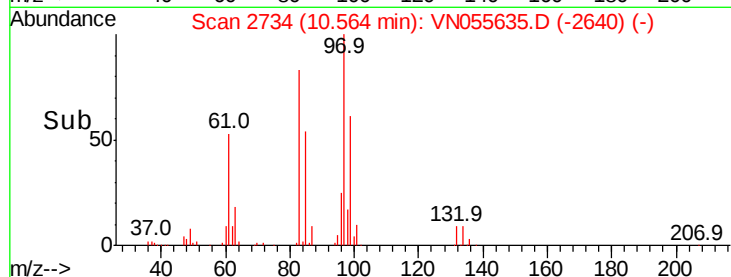


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.752 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

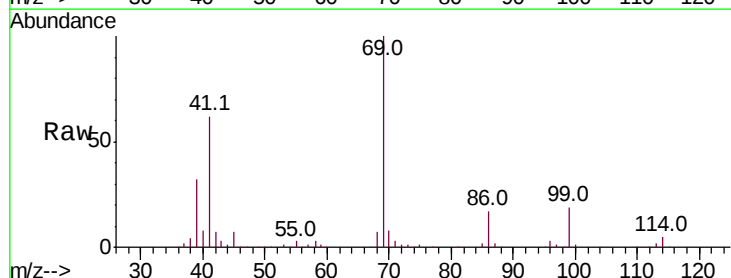
Tgt Ion: 69 Resp: 252229

Ion Ratio Lower Upper

69 100

41 61.1 50.3 75.5

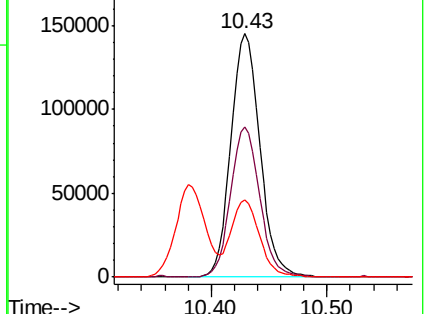
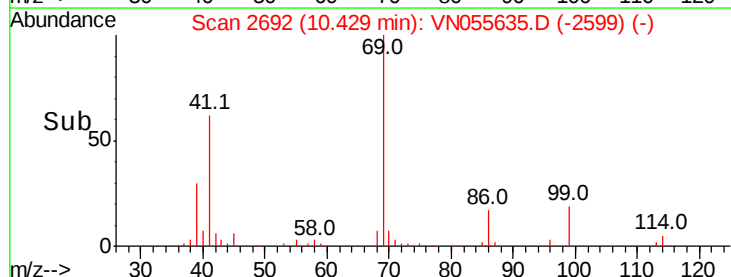
39 31.4 25.4 38.2

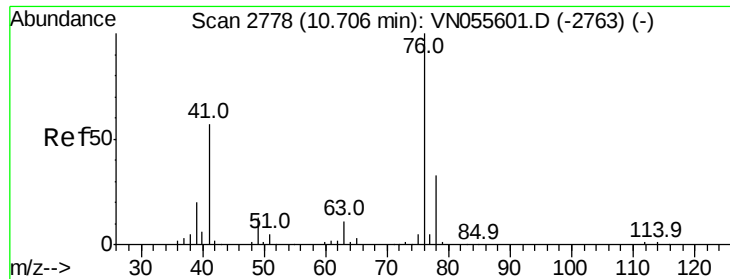


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





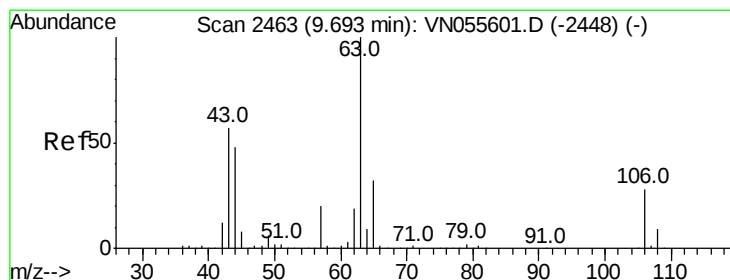
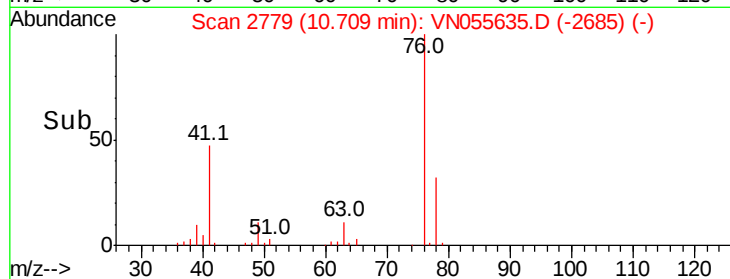
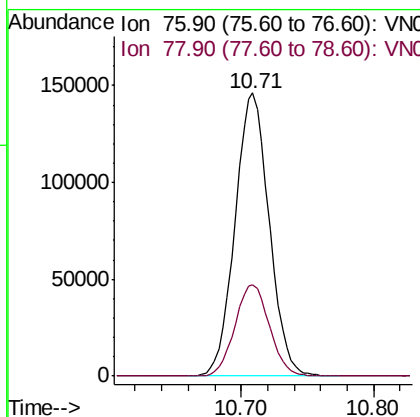
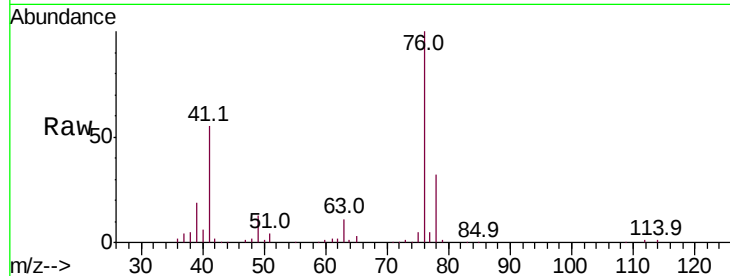
#57
 1,3-Dichloropropane
 Concen: 49.665 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.5	39.7

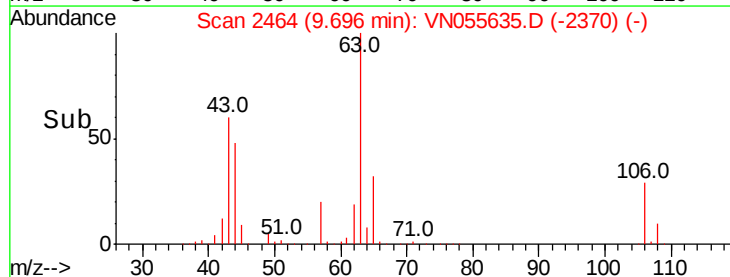
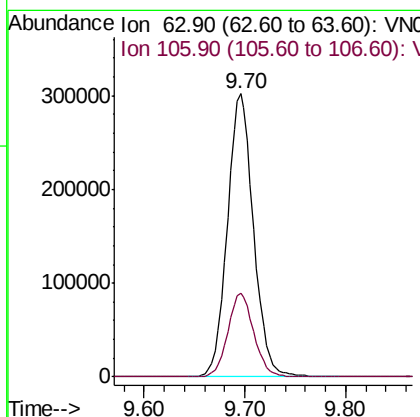
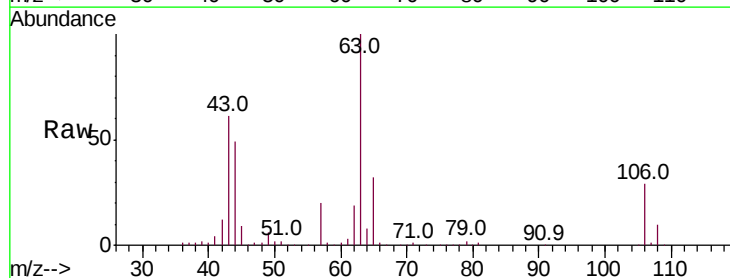
Manual Integrations
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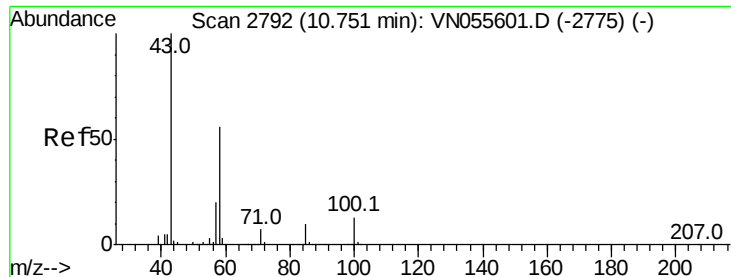
MMDadoda
 5/20/2019 9:08:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.656 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	23.0	34.6





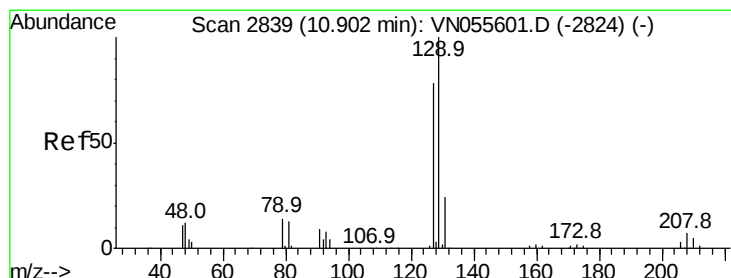
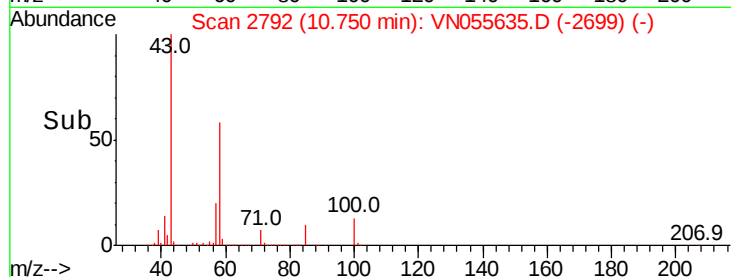
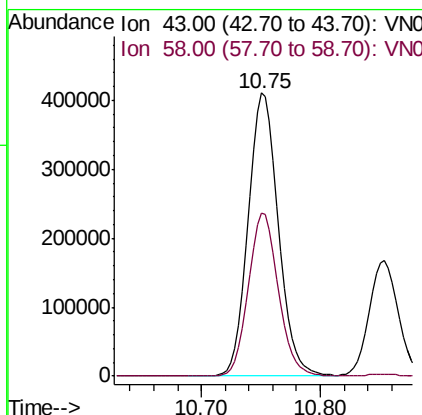
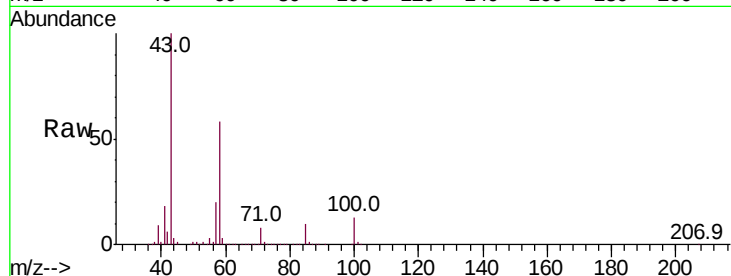
#59
2-Hexanone
Concen: 254.487 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 719913
Ion Ratio Lower Upper
43 100
58 57.3 28.1 84.4

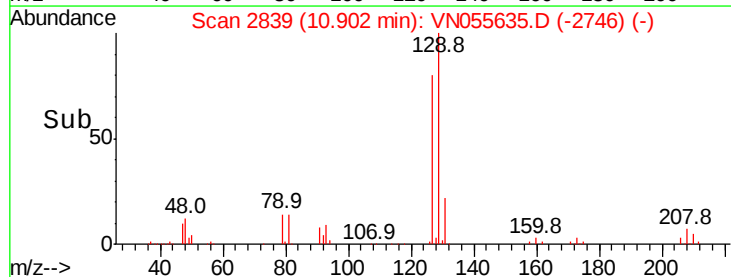
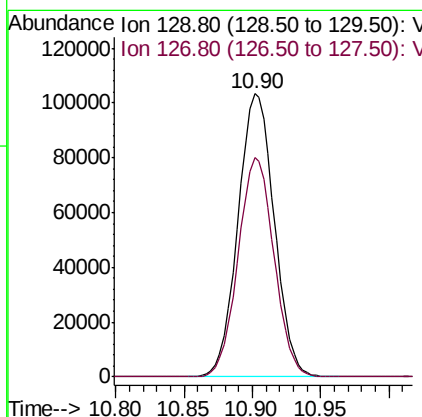
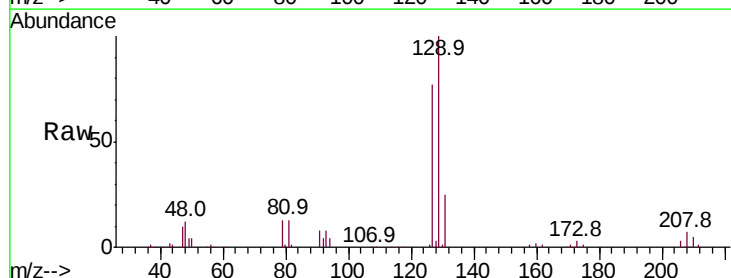
Manual Integrations
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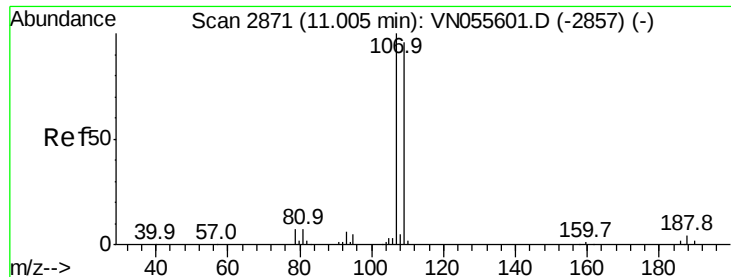
MMDadoda
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#60
Dibromochloromethane
Concen: 50.735 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion: 129 Resp: 190575
Ion Ratio Lower Upper
129 100
127 76.8 38.6 115.8





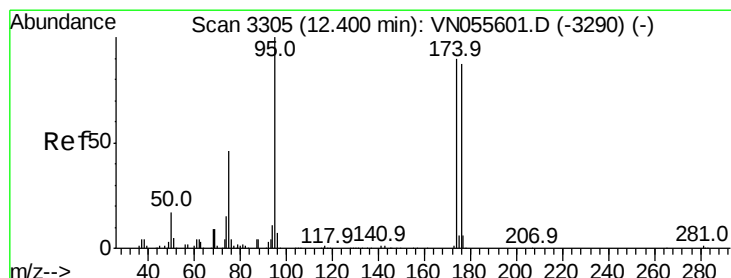
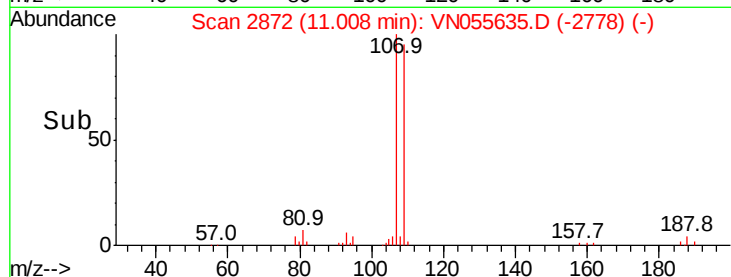
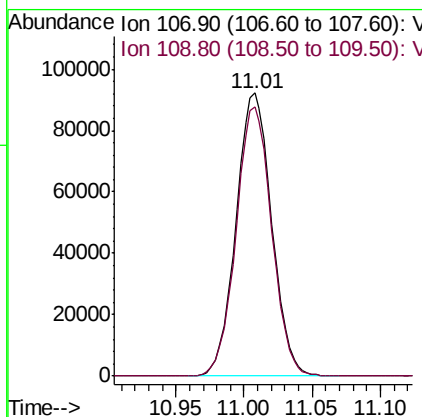
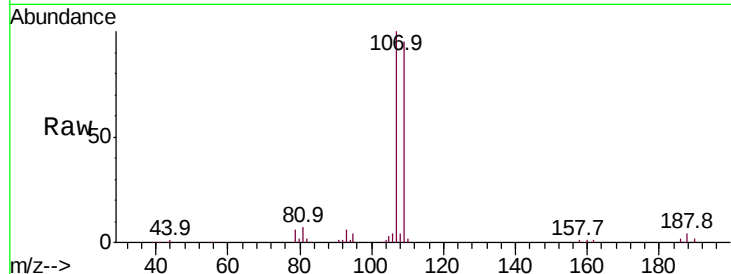
#61
 1,2-Dibromoethane
 Concen: 50.397 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.6	113.4

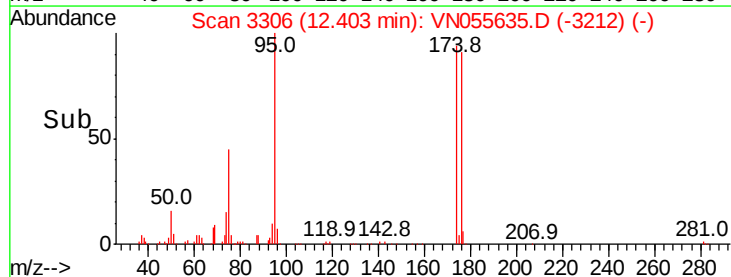
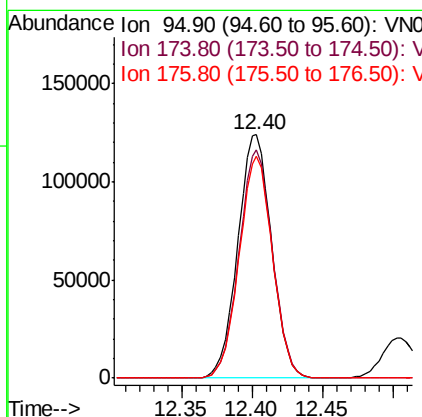
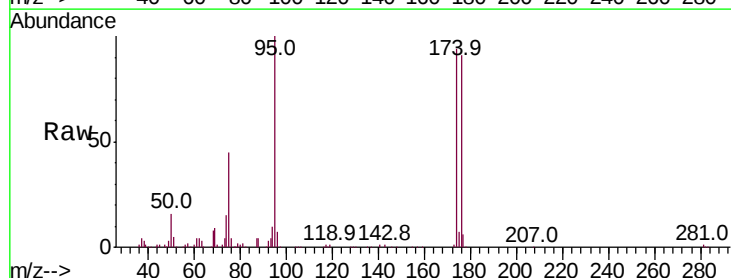
Manual Integrations
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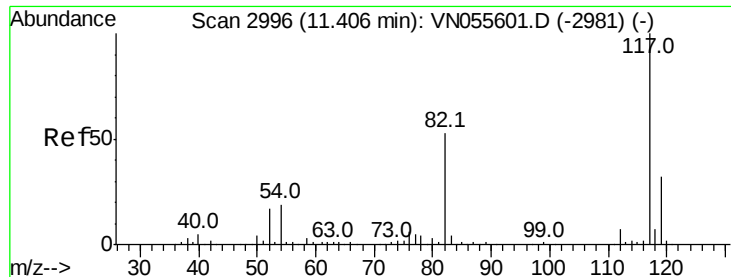
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 5/20/2019 9:08:27 AM



#62
 4-Bromofluorobenzene
 Concen: 51.299 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.7	0.0	180.6
176	89.9	0.0	177.4





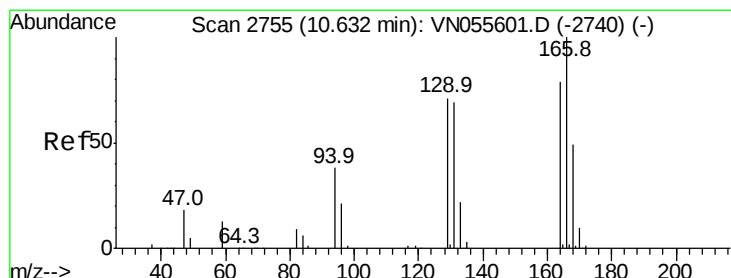
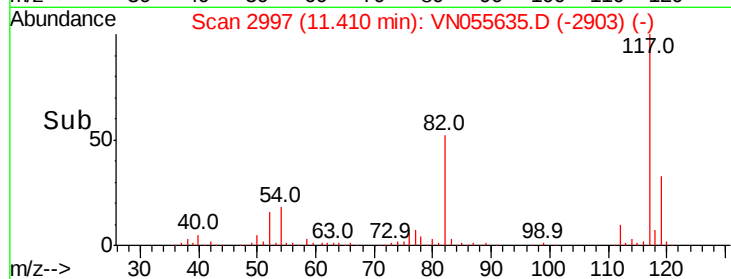
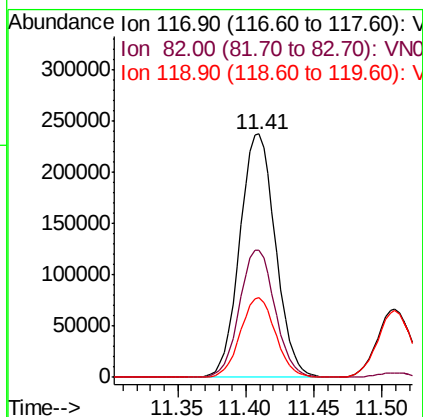
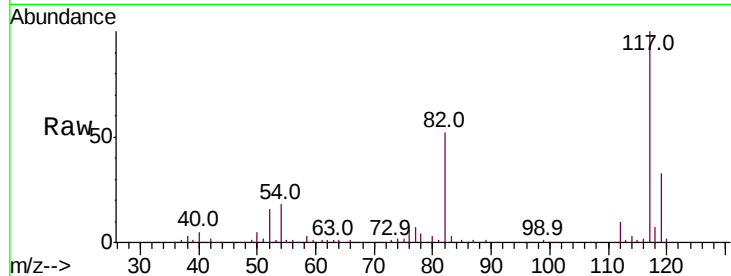
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.3	63.5
119	32.7	25.4	38.2

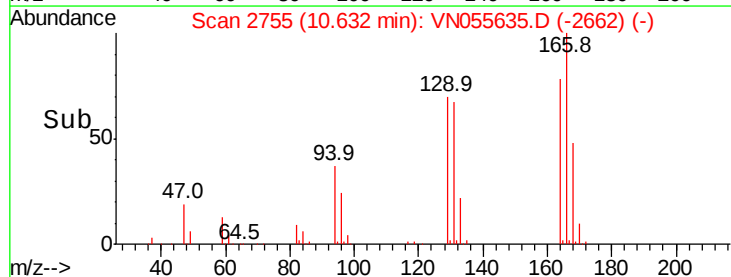
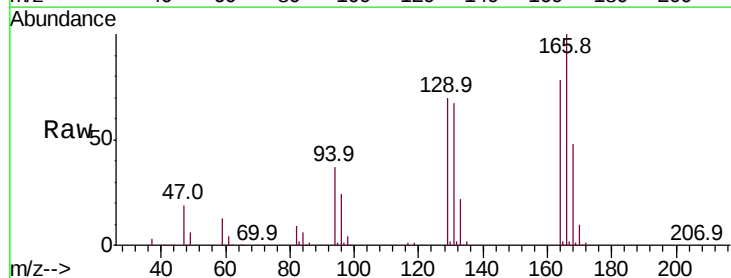
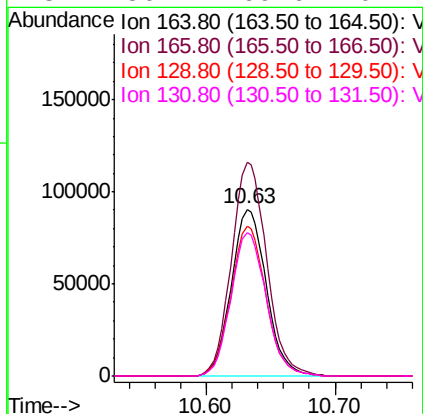
Manual Integrations
APPROVED

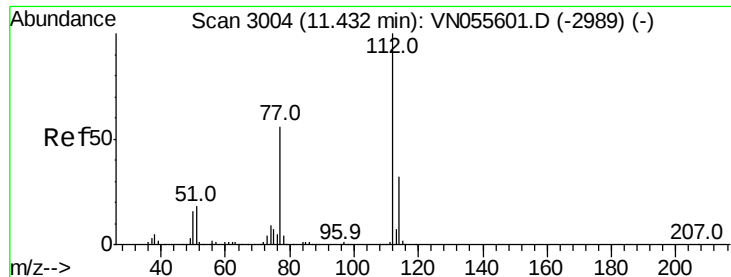
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#64
Tetrachloroethene
Concen: 50.072 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.0	151.6
129	89.6	71.7	107.5
131	86.1	69.6	104.4





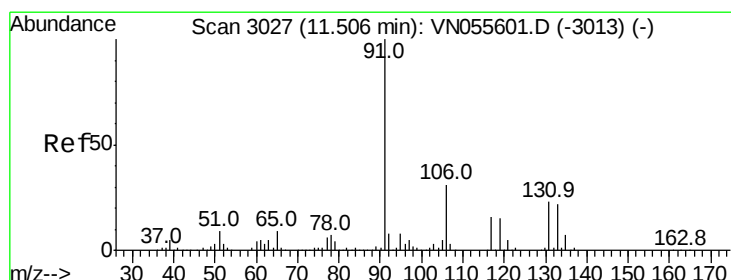
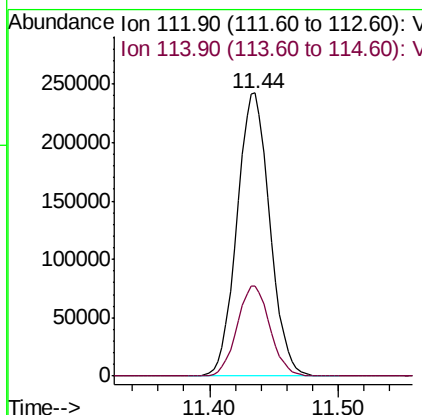
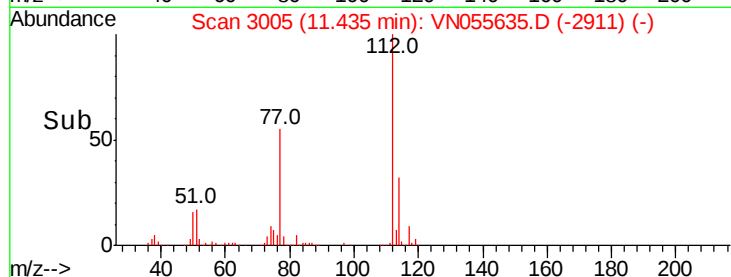
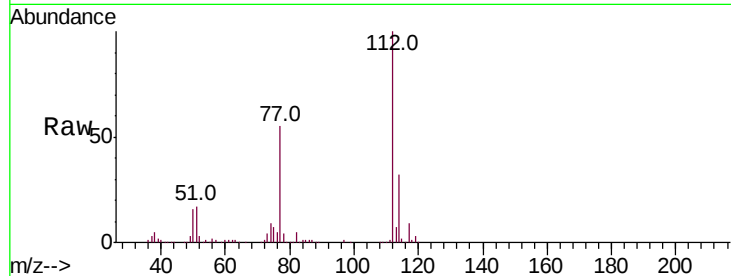
#65
Chlorobenzene
Concen: 49.085 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 429024
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

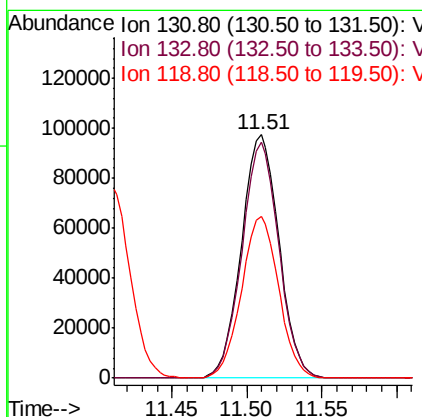
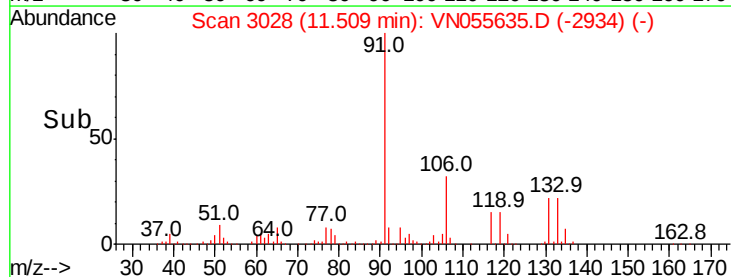
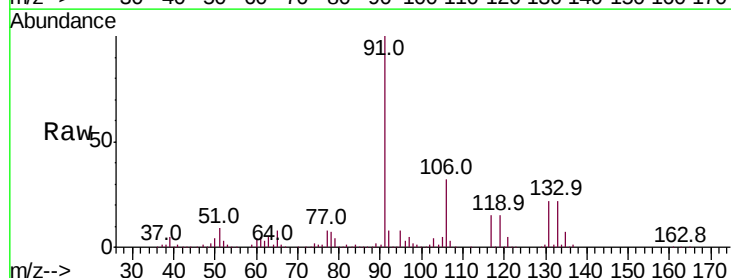
Manual Integrations
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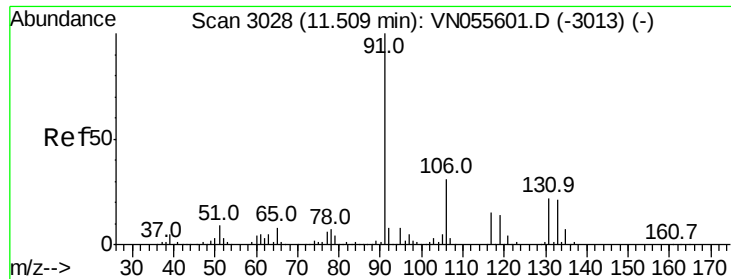
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.443 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion:131 Resp: 170337
Ion Ratio Lower Upper
131 100
133 95.3 47.8 143.4
119 65.9 33.3 99.8





#67

Ethyl Benzene

Concen: 47.692 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 742581

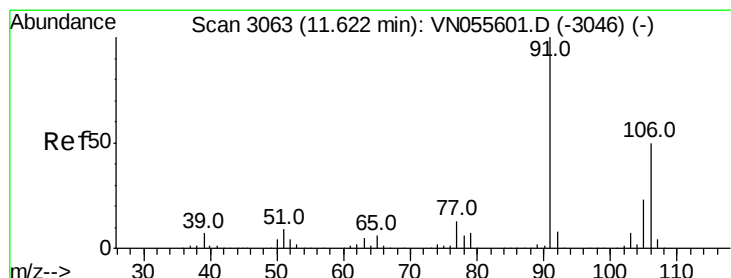
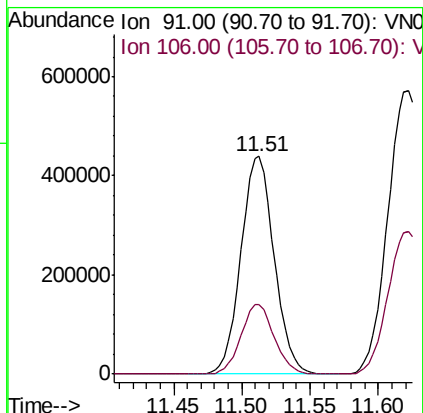
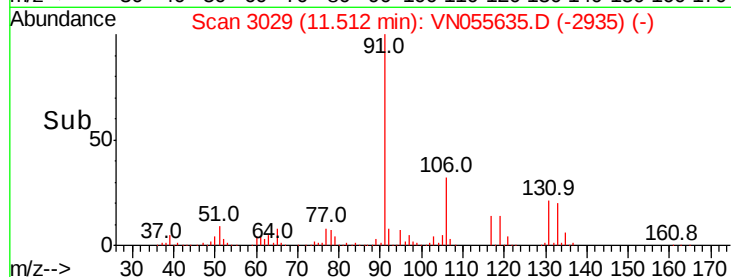
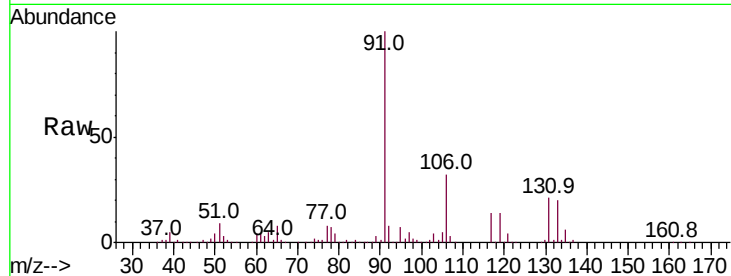
Ion Ratio Lower Upper

91 100

106 31.9 25.2 37.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 96.406 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055635.D

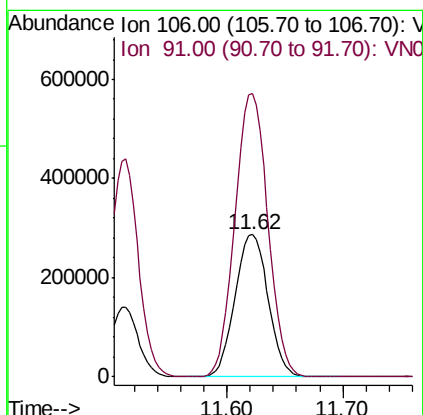
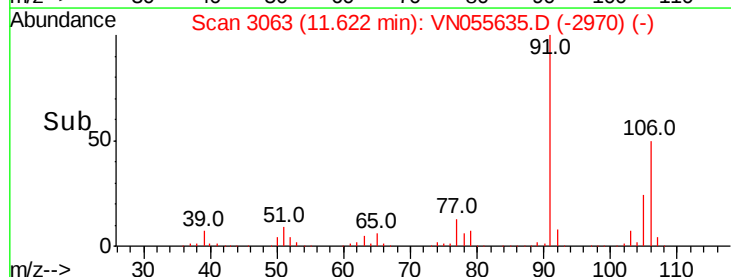
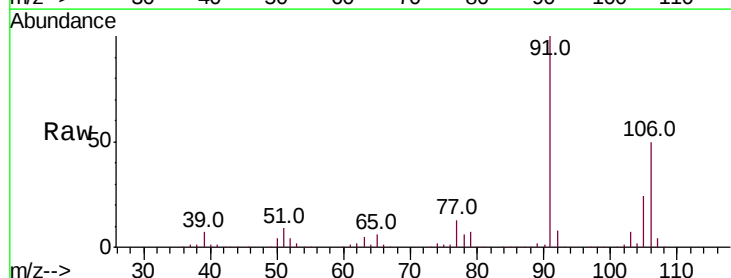
Acq: 18 May 2019 1:48

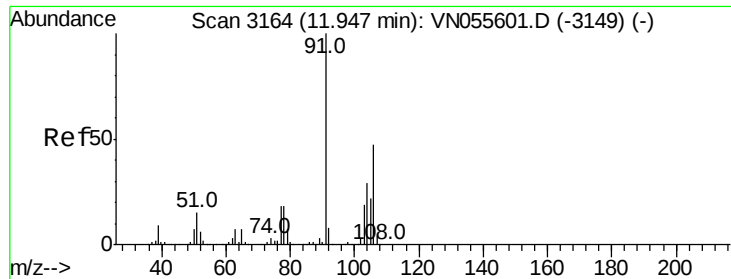
Tgt Ion: 106 Resp: 566864

Ion Ratio Lower Upper

106 100

91 198.5 160.5 240.7





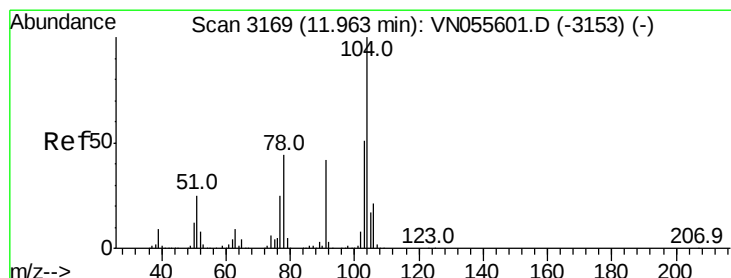
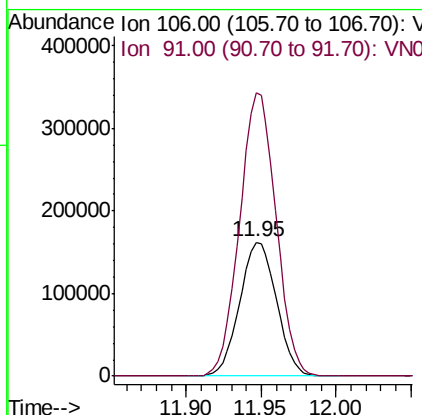
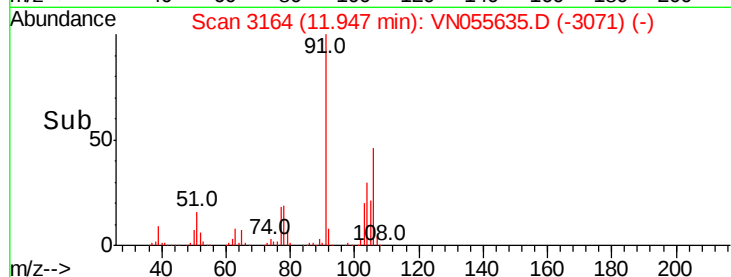
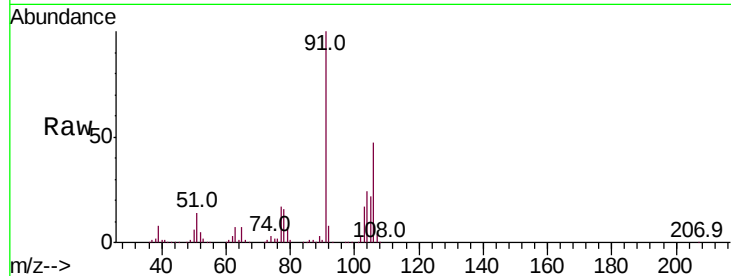
#69
o-Xylene
Concen: 48.265 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	106.7	320.2

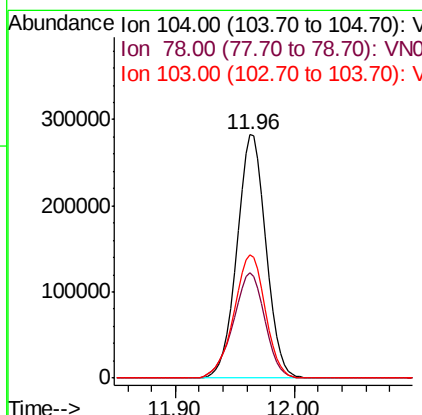
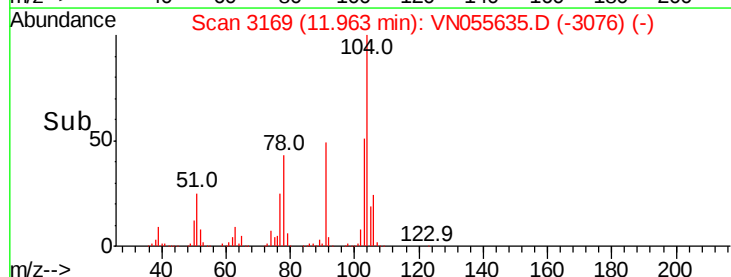
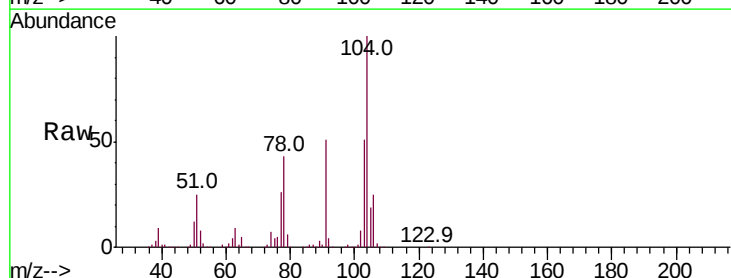
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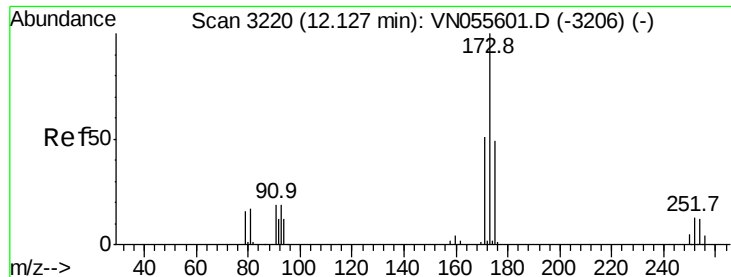
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#70
Styrene
Concen: 49.862 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.2	38.6	58.0
103	55.0	44.4	66.6





#71

Bromoform

Concen: 51.269 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 152773

Ion Ratio Lower Upper

173 100

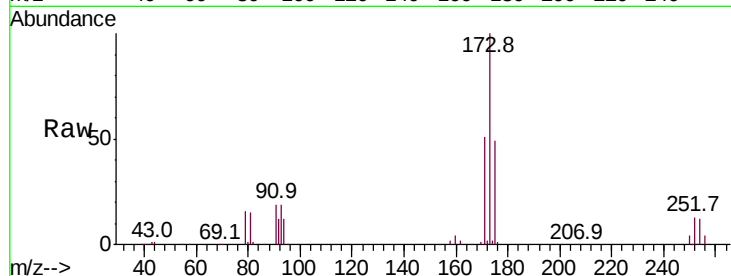
175 49.0 24.3 72.9

254 0.0 0.1 0.1#

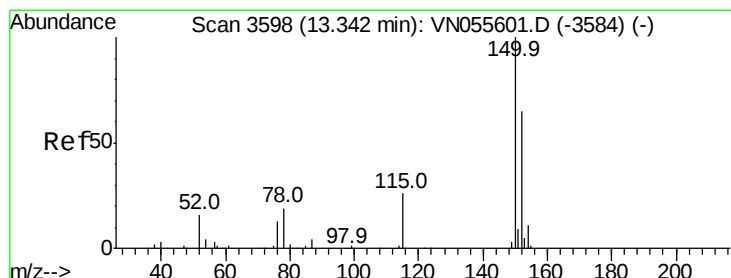
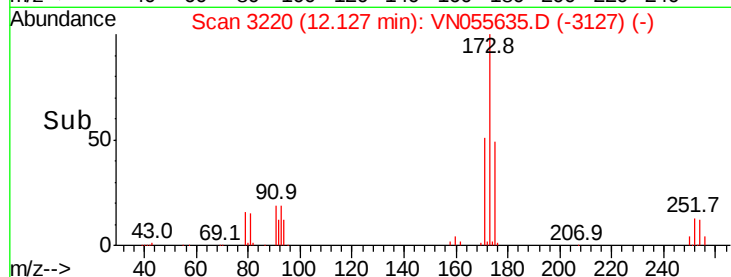
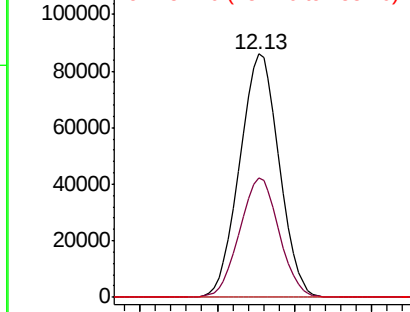
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

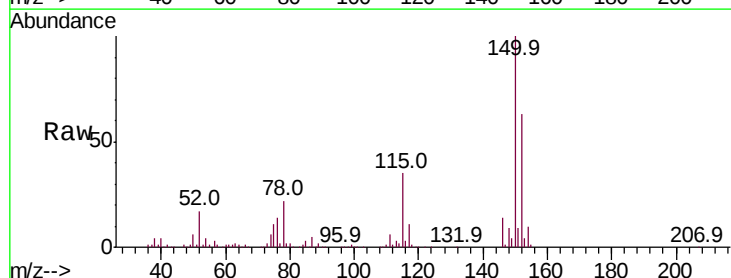
Tgt Ion:152 Resp: 201090

Ion Ratio Lower Upper

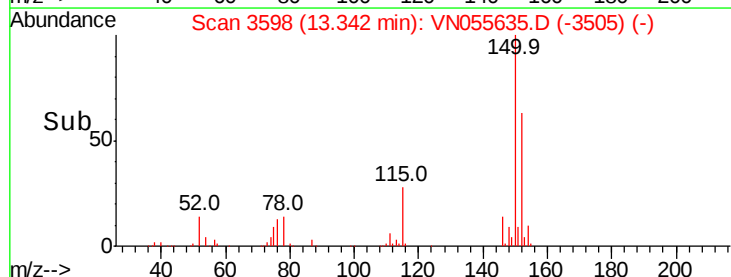
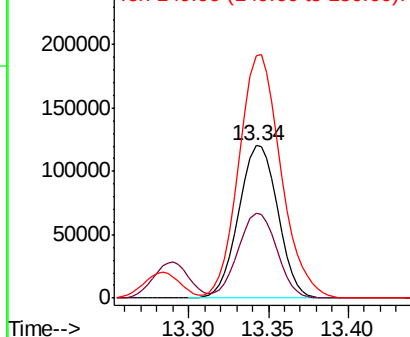
152 100

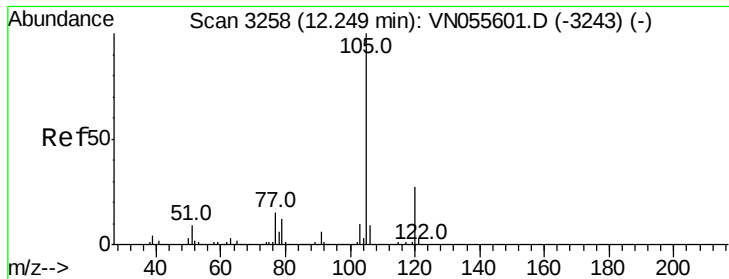
115 55.2 28.1 84.2

150 172.0 0.0 348.0



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





#73

Isopropylbenzene

Concen: 51.585 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 726851

Ion Ratio Lower Upper

105 100

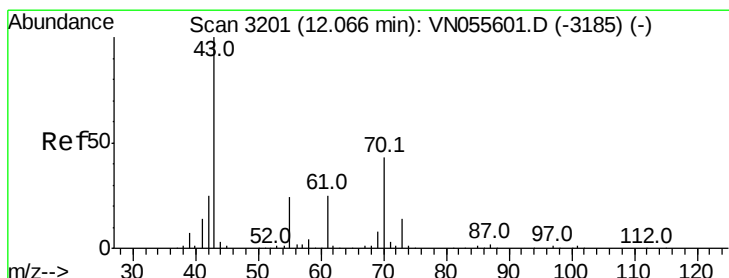
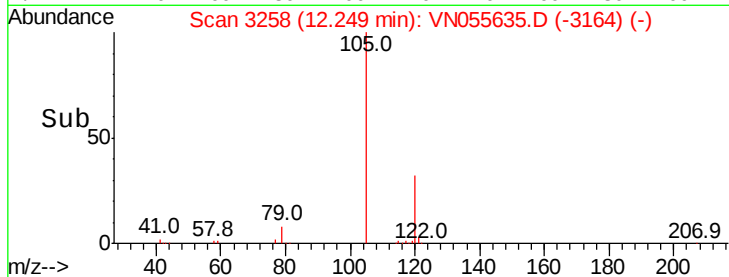
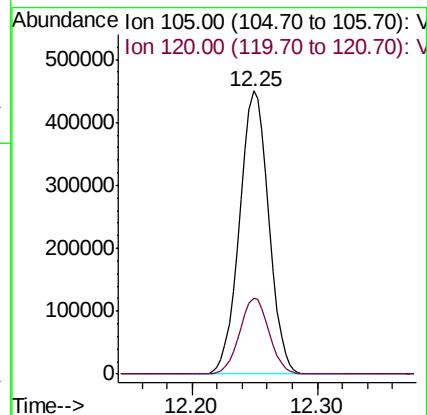
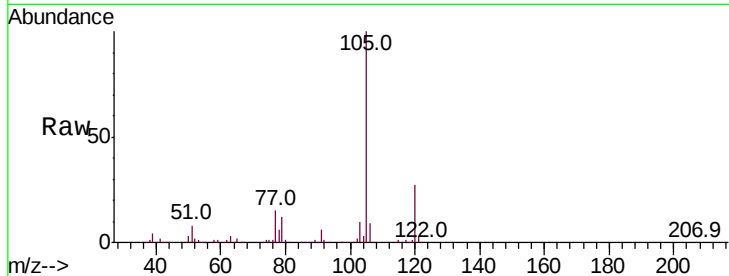
120 27.1 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion: 43 Resp: 278126

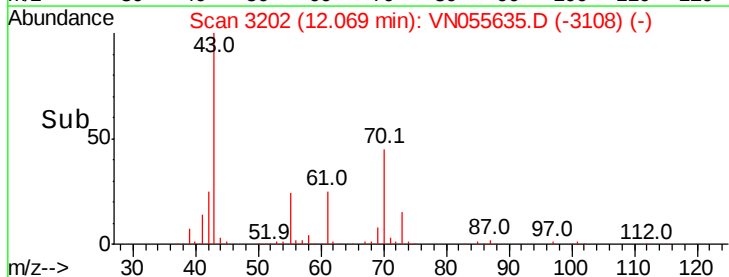
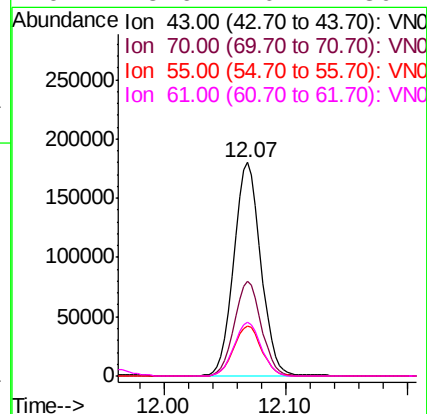
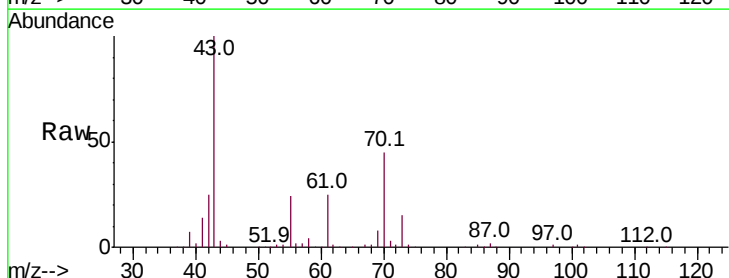
Ion Ratio Lower Upper

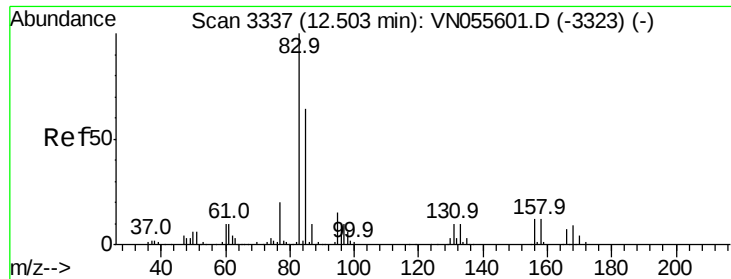
43 100

70 44.6 35.0 52.6

55 24.2 18.9 28.3

61 25.6 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 52.114 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 229830
Ion Ratio Lower Upper

83 100

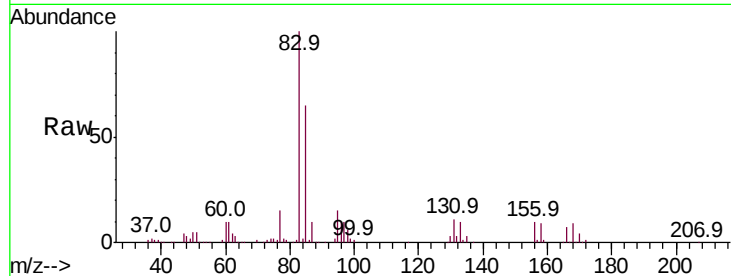
131 10.9 5.3 16.1

85 64.1 32.0 96.2

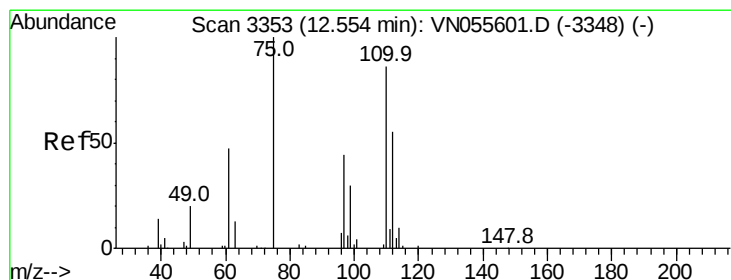
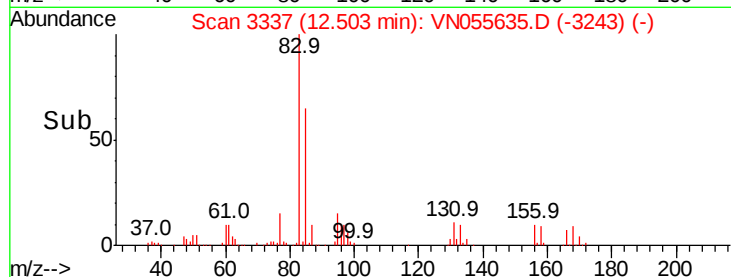
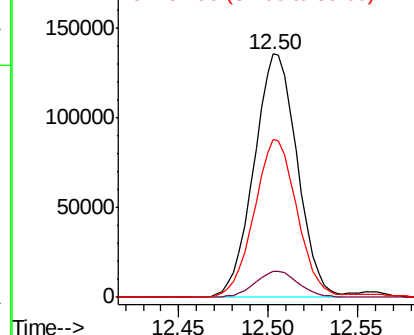
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 46.298 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

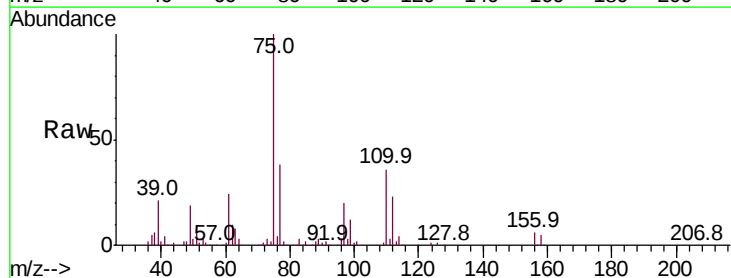
Lab File: VN055635.D

Acq: 18 May 2019 1:48

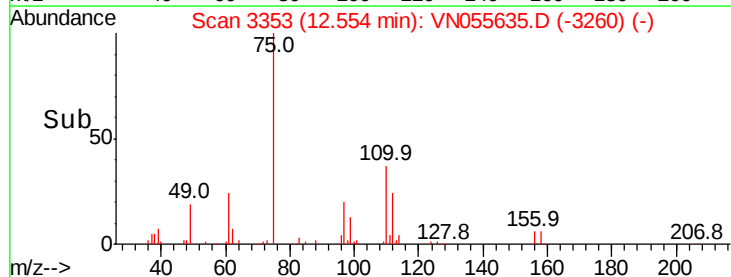
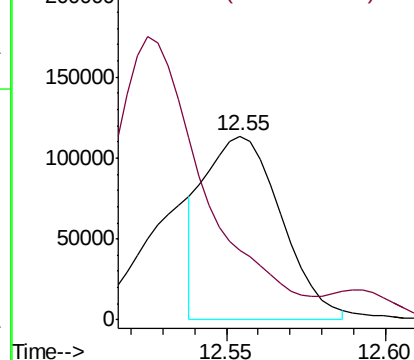
Tgt Ion: 75 Resp: 189975
Ion Ratio Lower Upper

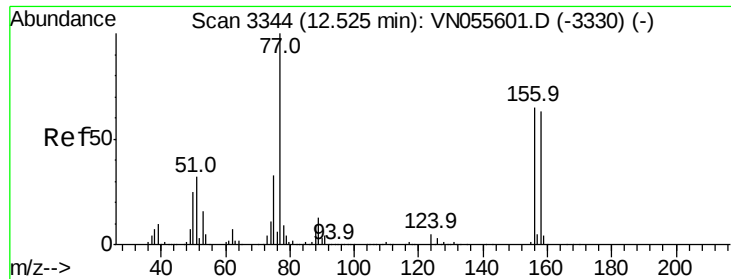
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.302 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

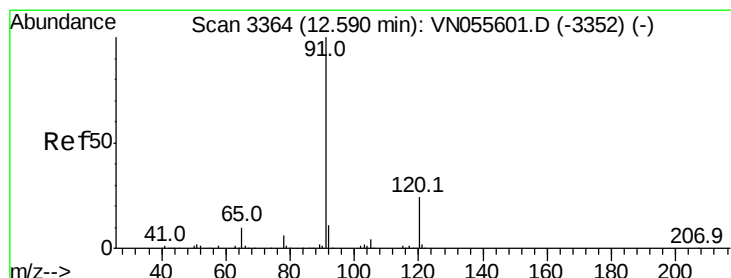
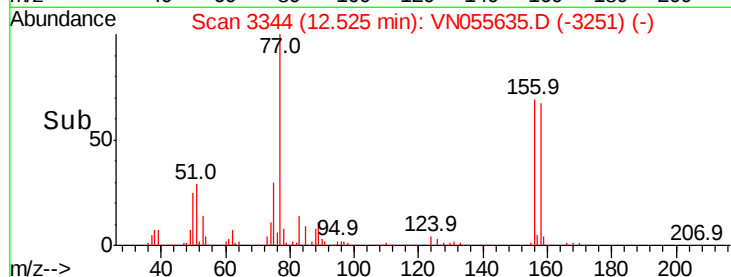
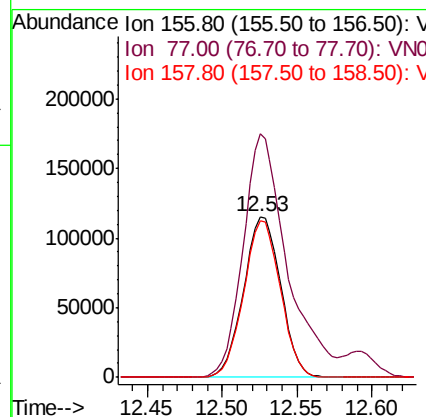
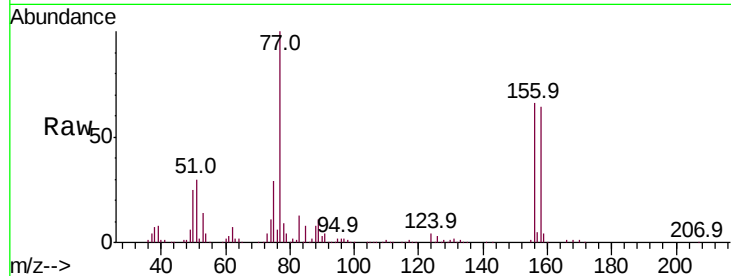
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	199479
Ion Ratio	Lower	Upper	
156	100		
77	179.9	94.5	283.5
158	96.5	49.0	147.2

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#78

n-propylbenzene

Concen: 44.560 ug/l

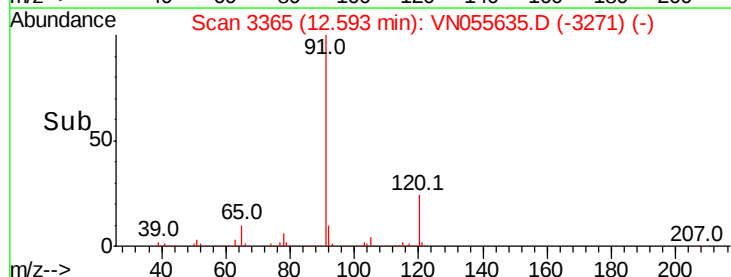
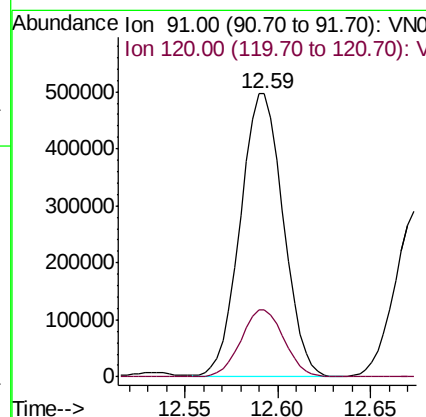
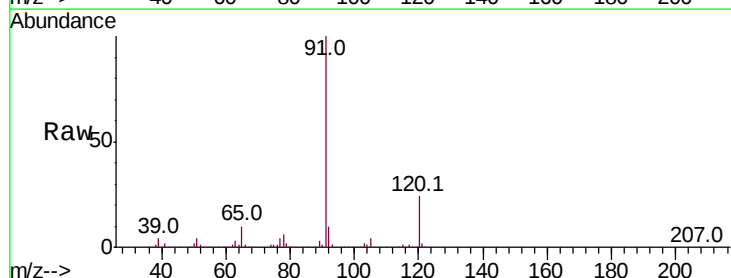
RT: 12.59 min Scan# 3365

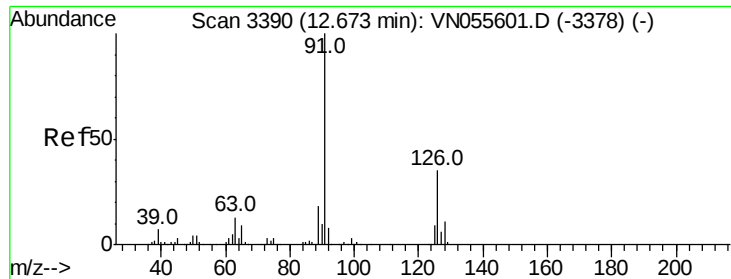
Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	91	Resp:	795729
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 50.708 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 484385

Ion Ratio Lower Upper

91 100

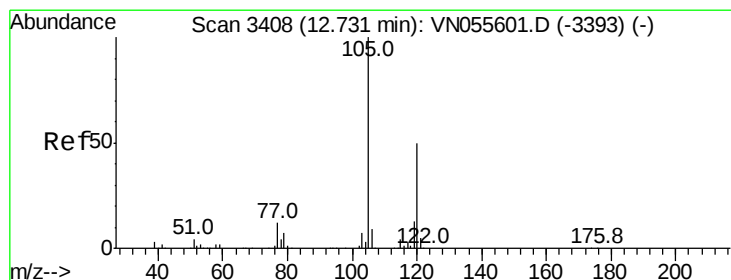
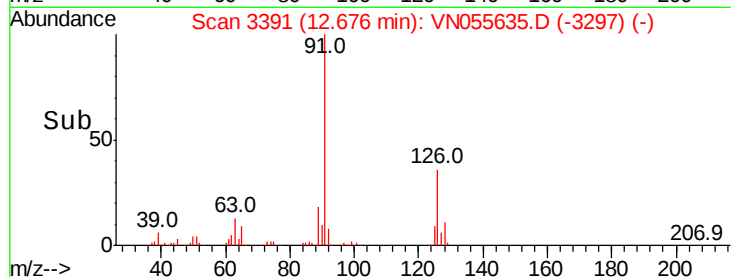
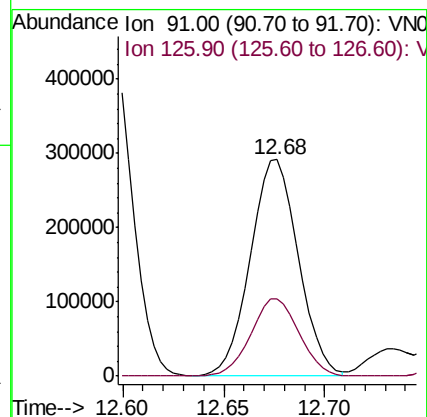
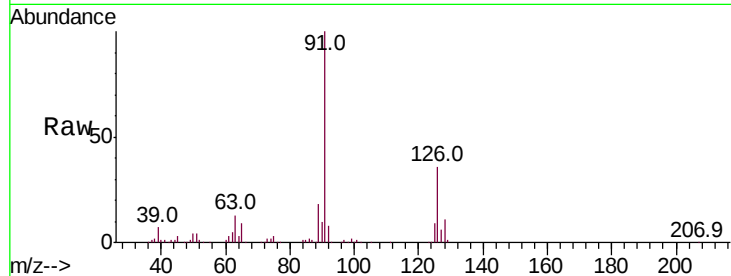
126 36.2 17.8 53.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.372 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055635.D

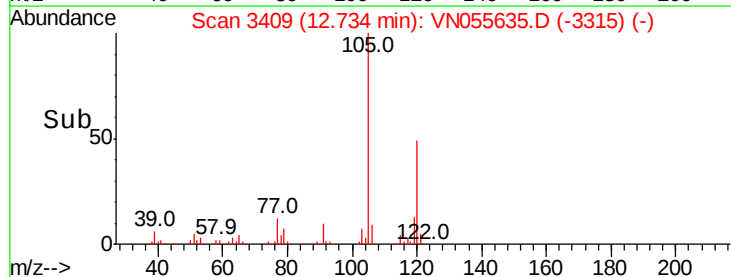
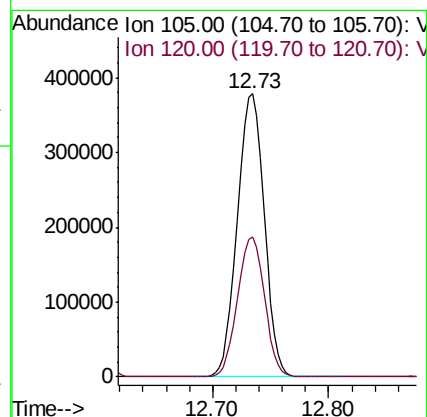
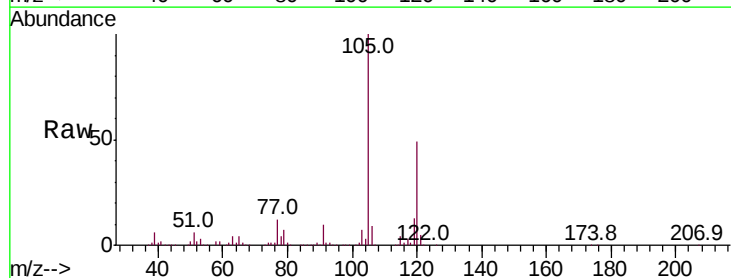
Acq: 18 May 2019 1:48

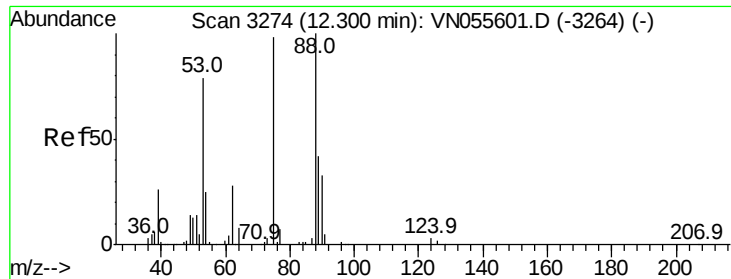
Tgt Ion: 105 Resp: 607048

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





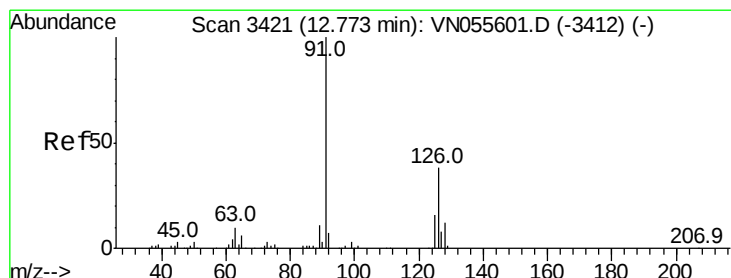
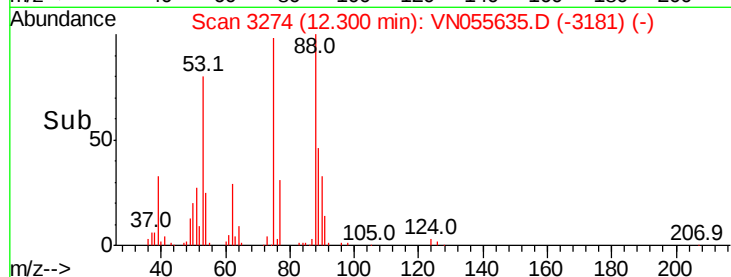
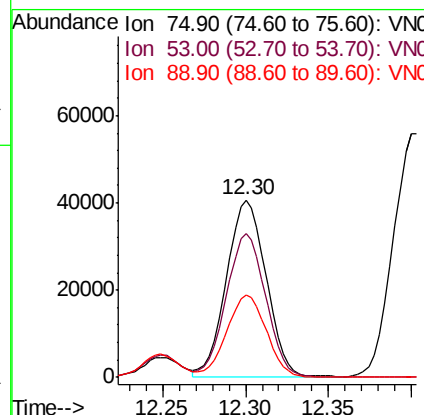
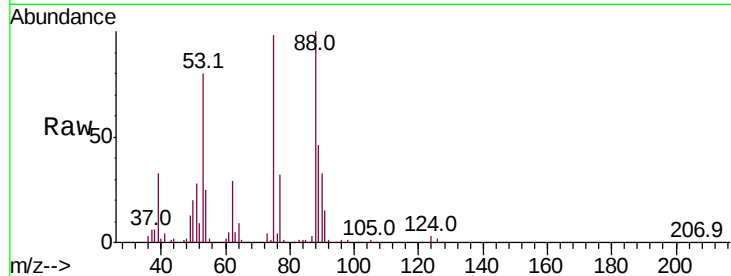
#81
trans-1,4-Dichloro-2-butene
Concen: 42.646 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	79.7	65.1	97.7
89	46.2	36.4	54.6

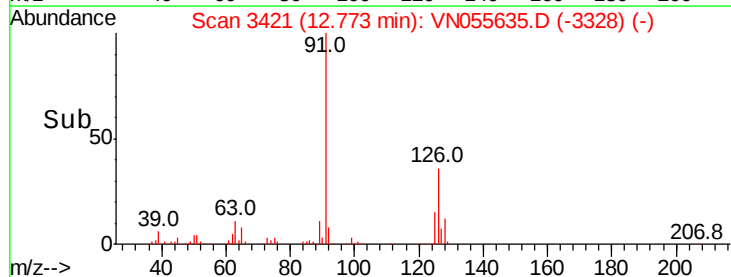
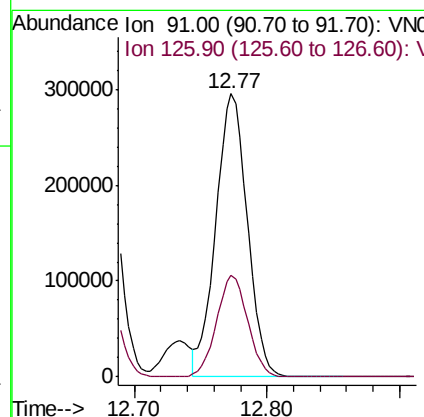
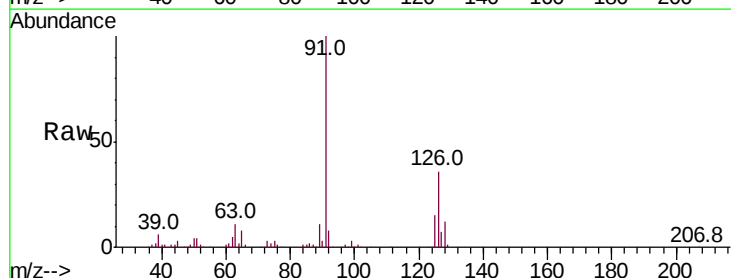
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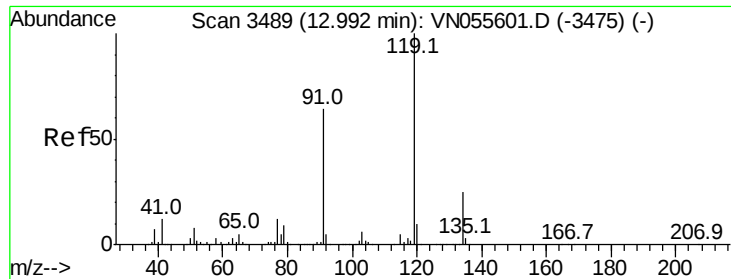
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#82
4-Chlorotoluene
Concen: 46.273 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6





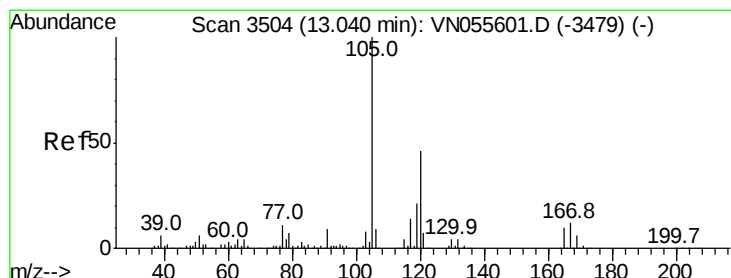
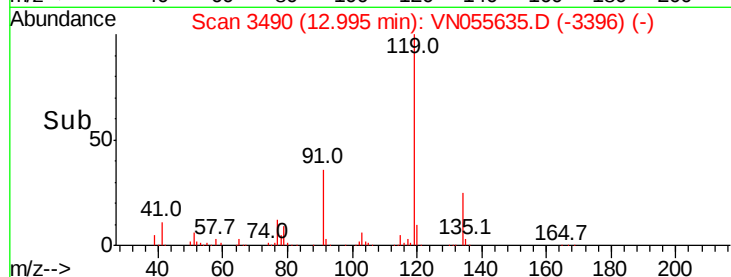
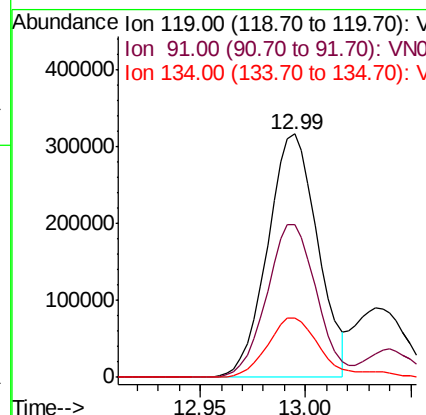
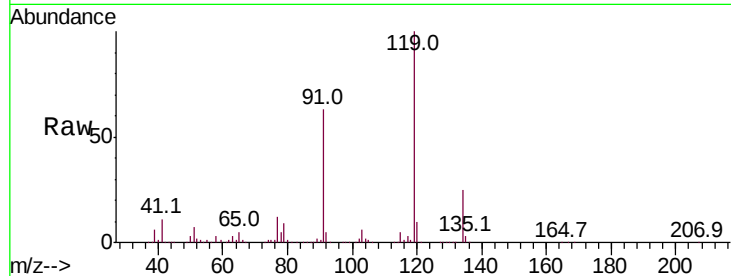
#83
tert-Butylbenzene
Concen: 51.065 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	31.3	93.8
134	26.6	13.2	39.6

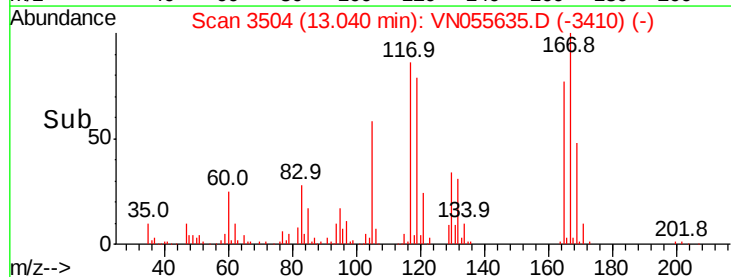
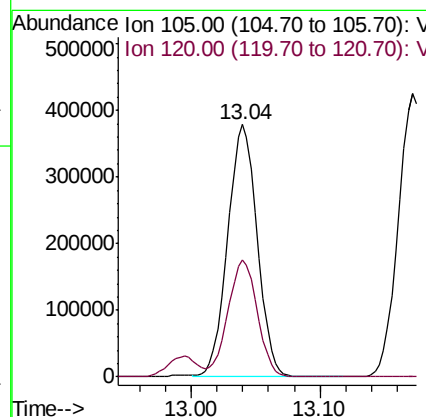
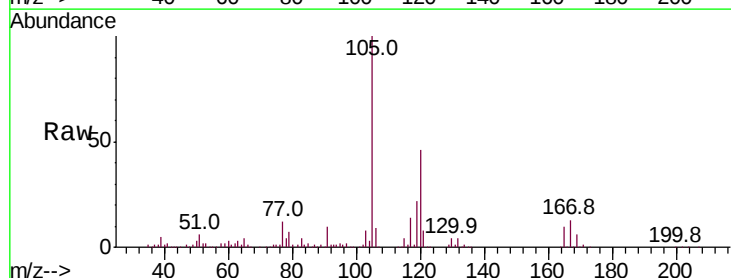
Manual Integrations
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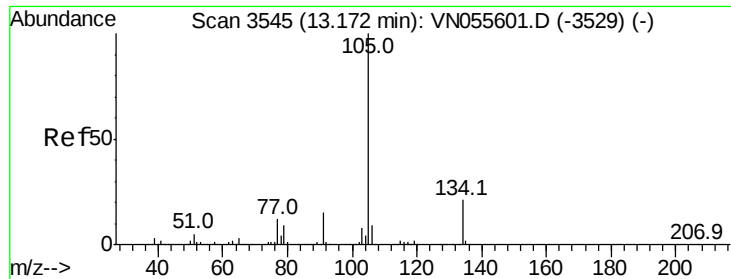
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#84
1,2,4-Trimethylbenzene
Concen: 49.816 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 50.394 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 677263

Ion Ratio Lower Upper

105 100

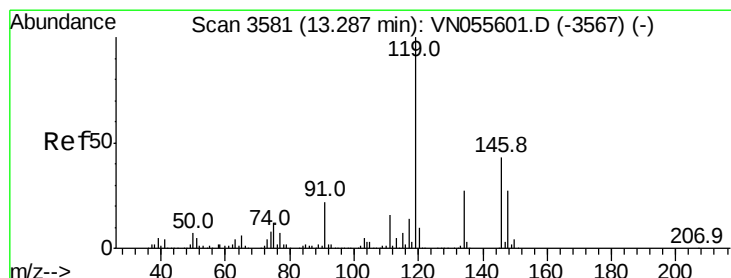
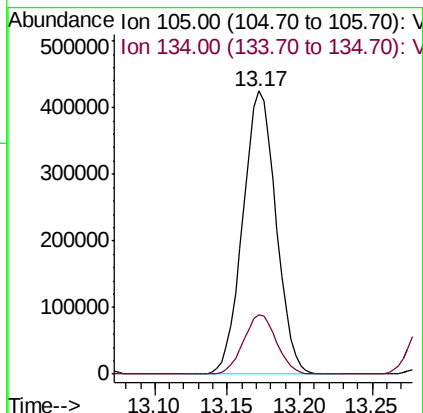
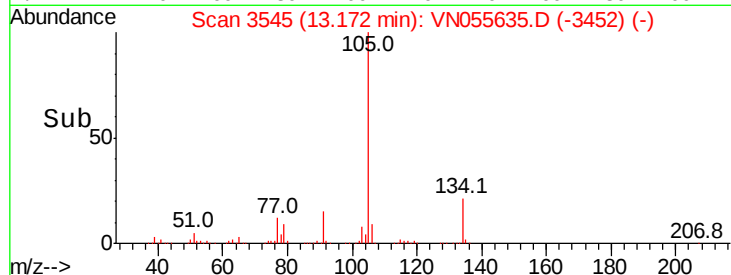
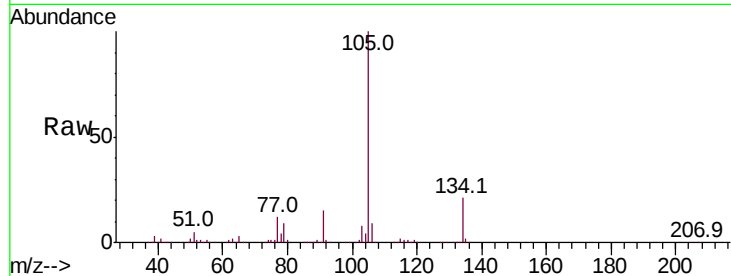
134 20.9 10.3 30.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.688 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

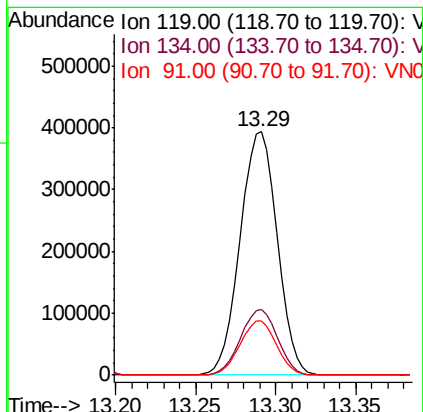
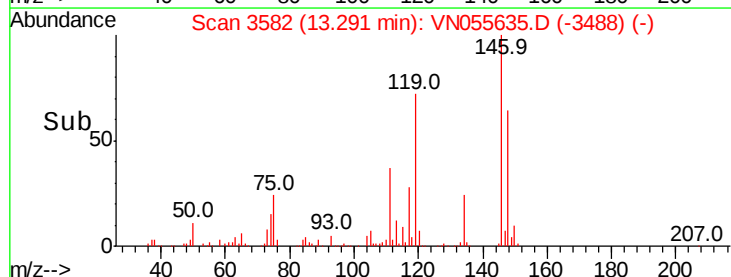
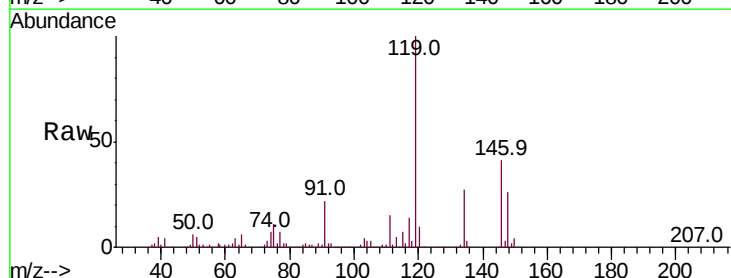
Tgt Ion:119 Resp: 622071

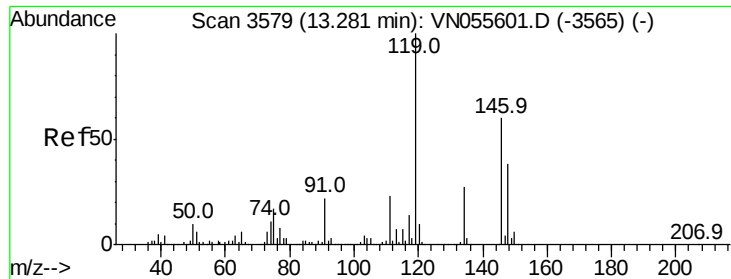
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.8 11.0 33.0





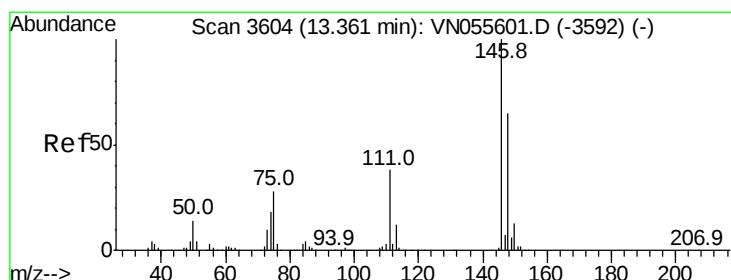
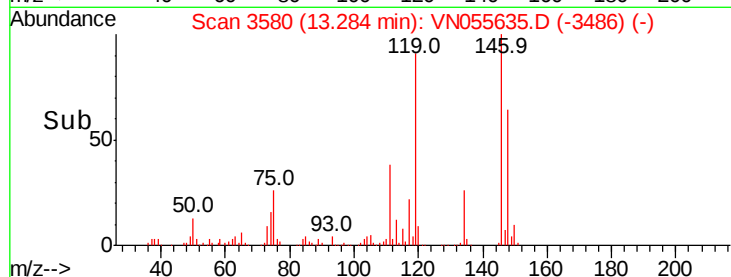
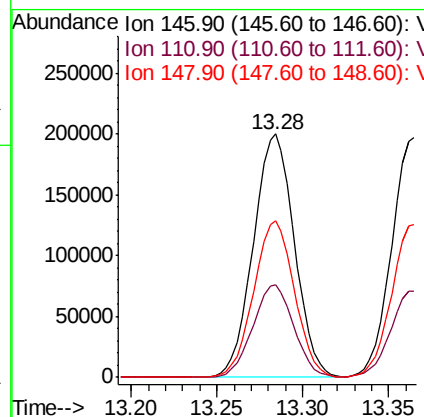
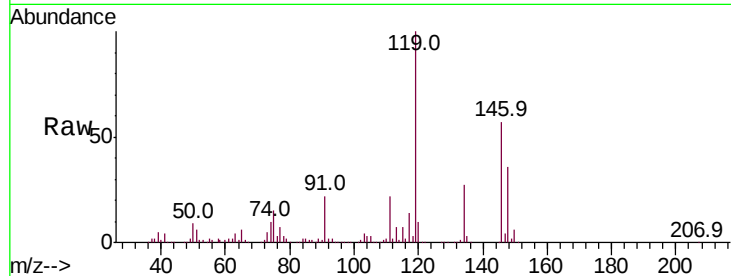
#87
 1,3-Dichlorobenzene
 Concen: 48.374 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	330310		
111	37.8	18.9	56.9	
148	63.9	31.9	95.9	

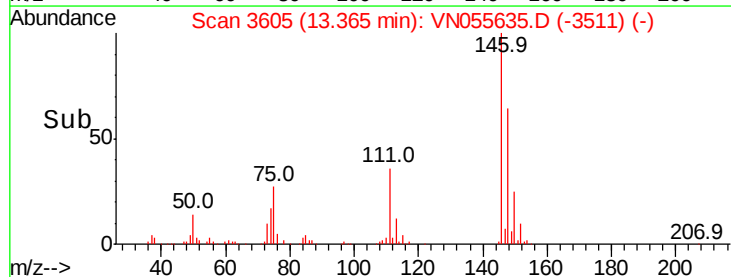
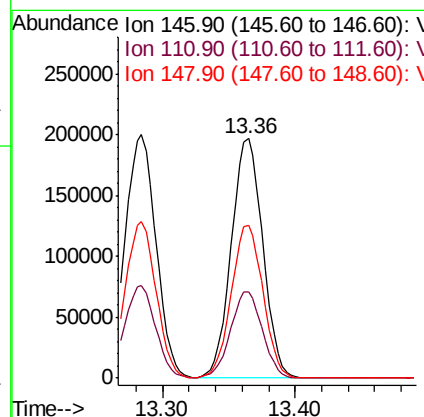
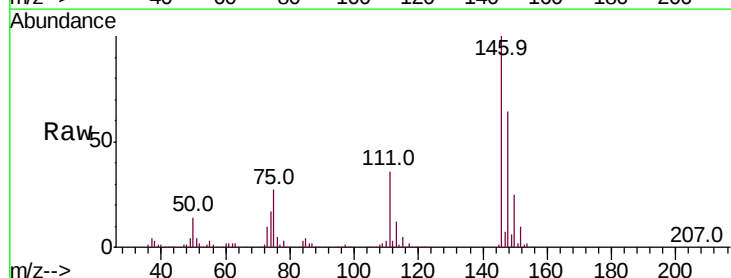
Manual Integrations
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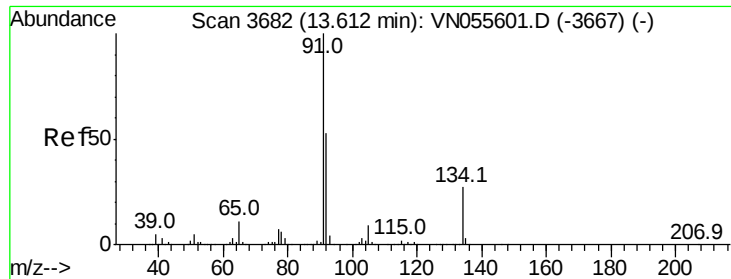
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#88
 1,4-Dichlorobenzene
 Concen: 49.806 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	324726		
111	36.4	18.8	56.4	
148	64.3	32.4	97.0	





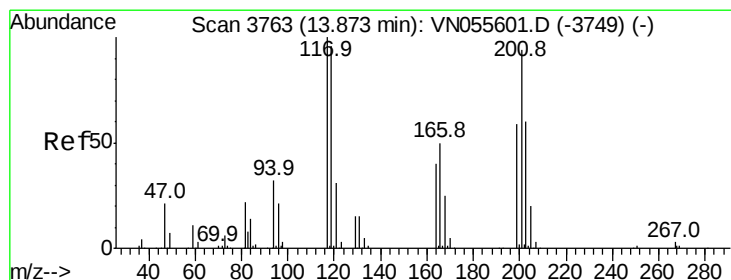
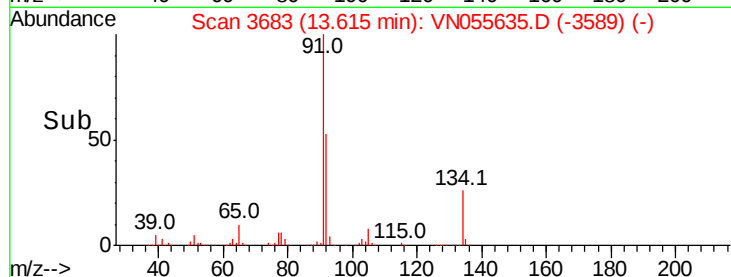
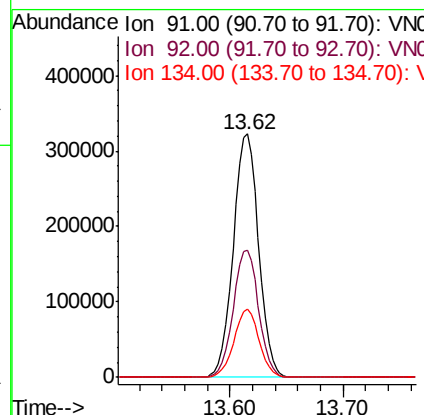
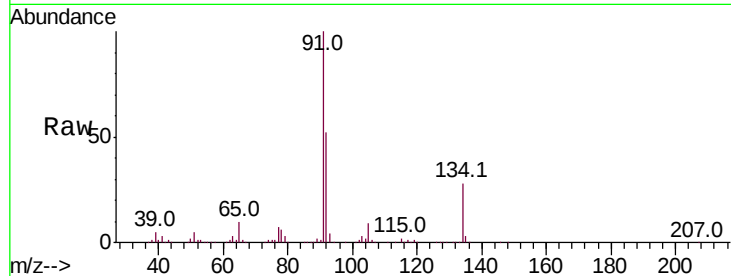
#89
n-Butylbenzene
Concen: 45.486 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.4	79.0
134	27.6	13.7	41.1

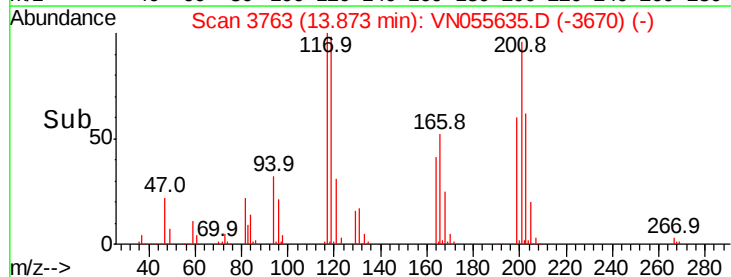
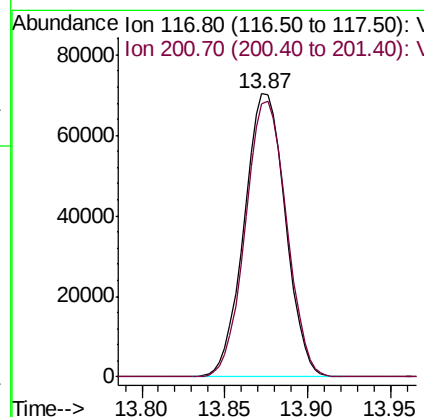
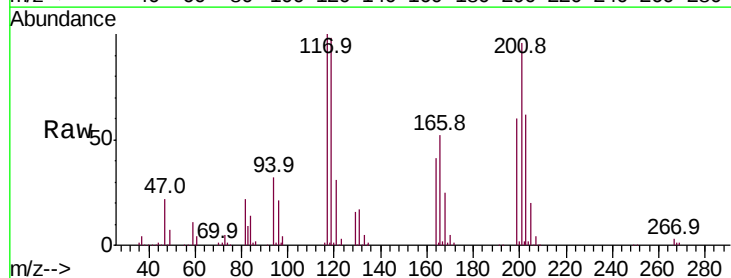
Manual Integrations
APPROVED

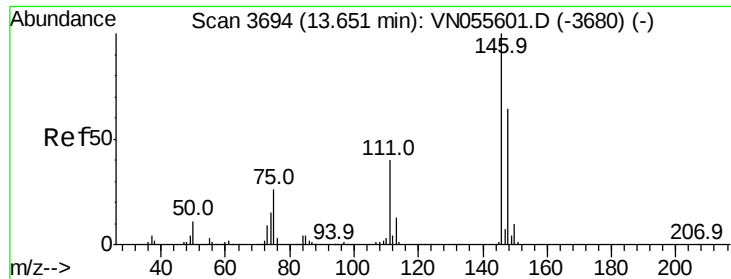
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#90
Hexachloroethane
Concen: 50.962 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055635.D
Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.1	47.1	141.3





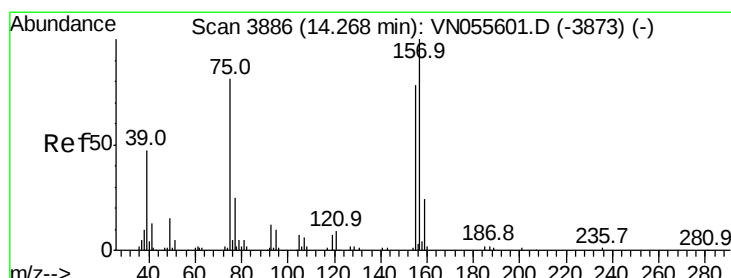
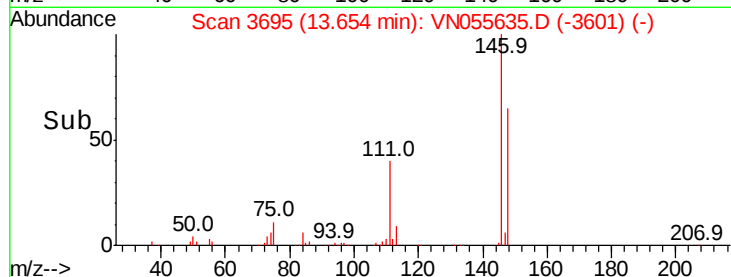
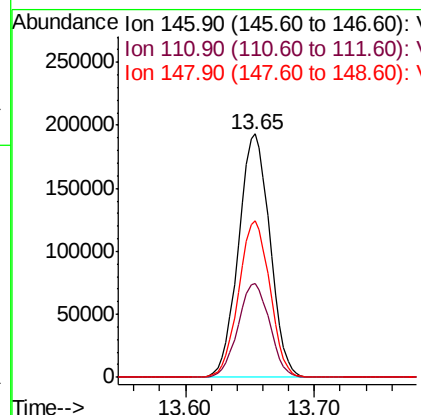
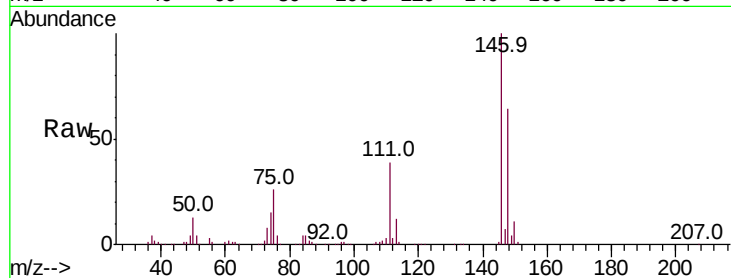
#91
 1,2-Dichlorobenzene
 Concen: 48.013 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	63.9	32.1	96.3

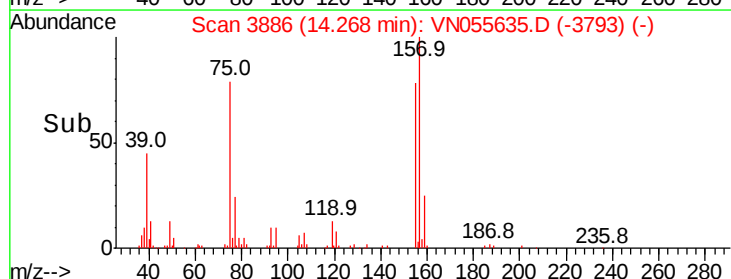
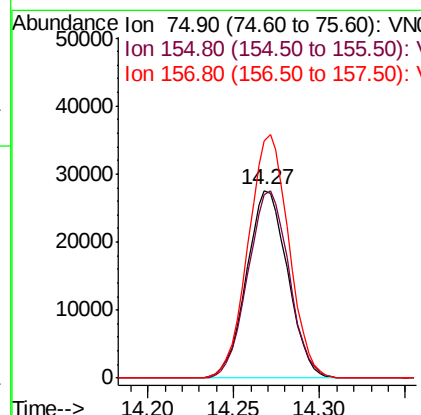
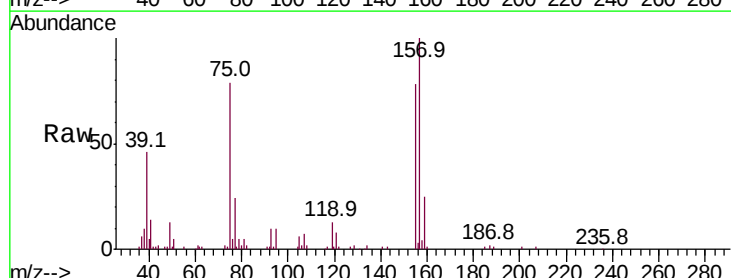
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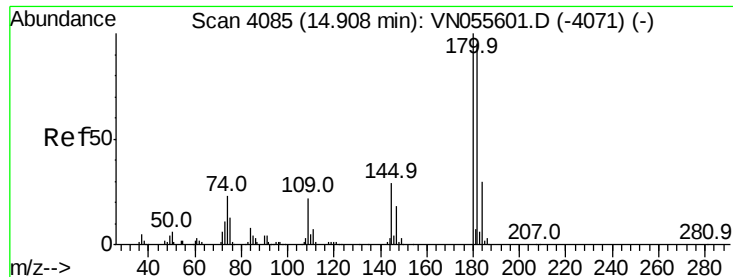
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.171 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	48.4	145.0
157	127.9	62.3	186.8





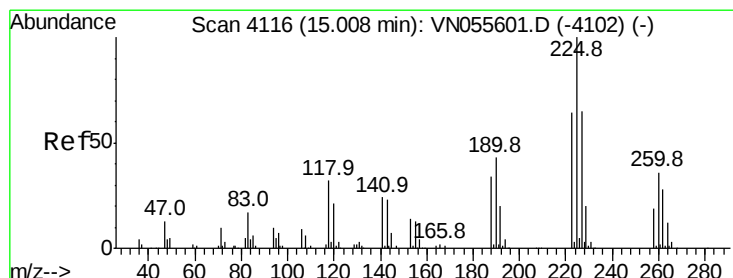
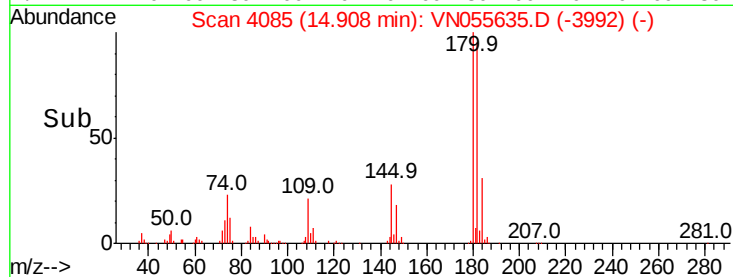
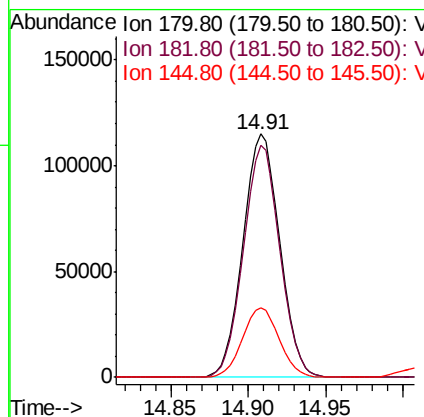
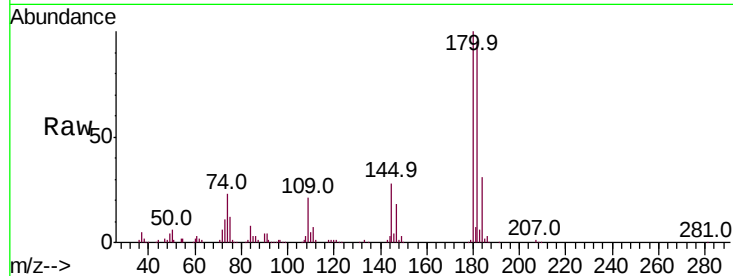
#93
 1,2,4-Trichlorobenzene
 Concen: 54.858 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	190073
Ion Ratio	Lower	Upper	
180	100		
182	94.8	47.9	143.6
145	28.5	14.3	42.9

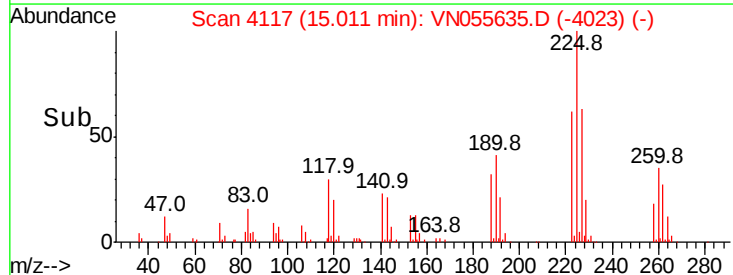
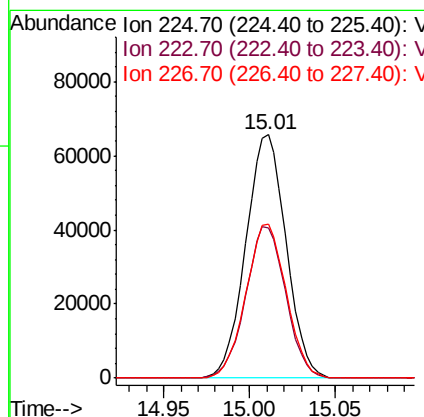
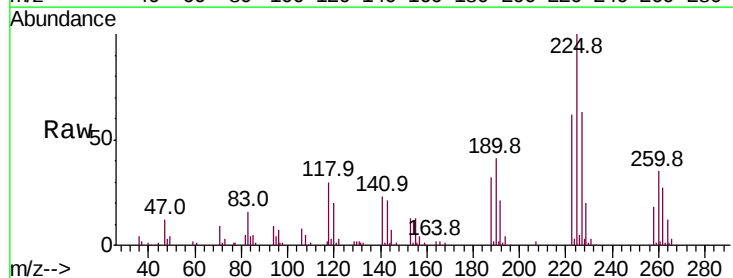
Manual Integrations
 APPROVED

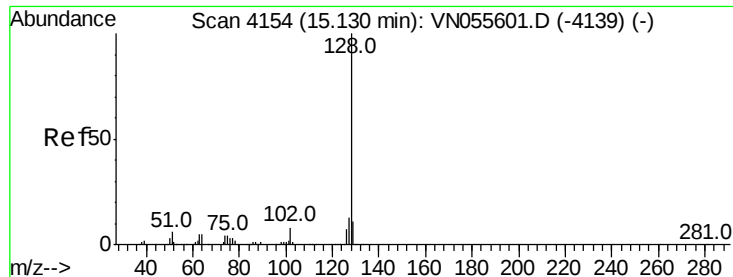
MMDadoda
 5/20/2019 9:08:27 AM



#94
 Hexachlorobutadiene
 Concen: 51.099 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055635.D
 Acq: 18 May 2019 1:48

Tgt Ion:	225	Resp:	106725
Ion Ratio	Lower	Upper	
225	100		
223	61.7	31.6	94.7
227	63.1	32.4	97.0





#95

Naphthalene

Concen: 51.394 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Instrument :

MSVOA_N

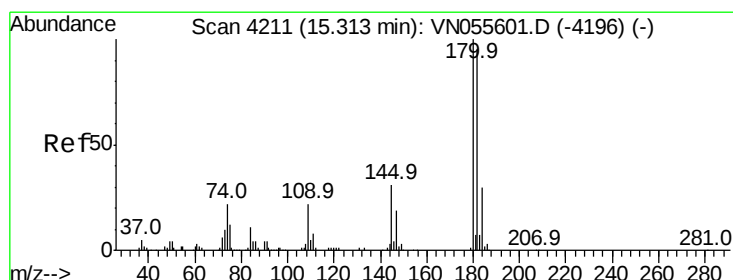
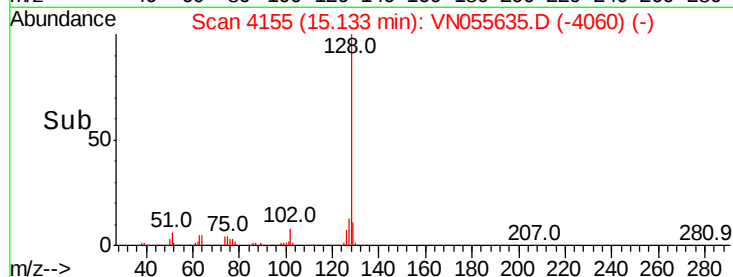
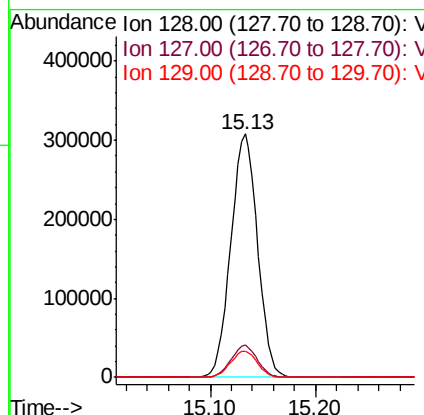
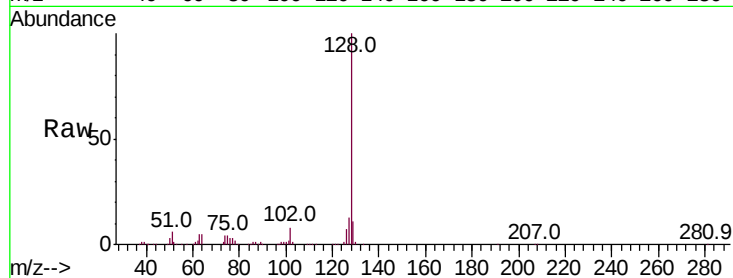
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	537952
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
5/20/2019 9:08:27 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.399 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055635.D

Acq: 18 May 2019 1:48

Tgt Ion:	180	Resp:	189828
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.6
145	30.4	15.4	46.1

