

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055779.D
 Acq On : 24 May 2019 1:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:53:13 AM

Quant Time: May 24 08:16:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	569115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255926	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	193914	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	182014	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	692083	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	244318	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	112470	42.209	ug/l	98
3) Chloromethane	2.06	50	167425	44.845	ug/l	98
4) Vinyl Chloride	2.18	62	174738	43.882	ug/l	99
5) Bromomethane	2.53	94	114416	45.928	ug/l	100
6) Chloroethane	2.68	64	106782	44.540	ug/l	98
7) Trichlorofluoromethane	3.00	101	229374	43.937	ug/l	99
8) Diethyl Ether	3.40	74	102363	43.748	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142623	43.765	ug/l	96
10) Methyl Iodide	3.94	142	249342	52.334	ug/l	99
11) Tert butyl alcohol	4.82	59	203181	260.077	ug/l	99
12) 1,1-Dichloroethene	3.72	96	154614	45.917	ug/l	96
13) Acrolein	3.60	56	116756	208.718	ug/l	96
14) Allyl chloride	4.31	41	253391	43.897	ug/l	98
15) Acrylonitrile	4.99	53	430964	240.237	ug/l	100
16) Acetone	3.82	43	334945	186.355	ug/l	100
17) Carbon Disulfide	4.04	76	417492	43.640	ug/l	100
18) Methyl Acetate	4.33	43	173850	47.516	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	526716	46.902	ug/l	93
20) Methylene Chloride	4.54	84	178321	45.812	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	168298	46.523	ug/l	97
22) Diisopropyl ether	5.96	45	517090	46.057	ug/l	97
23) Vinyl Acetate	5.90	43	2205898	229.160	ug/l	100
24) 1,1-Dichloroethane	5.84	63	297327	45.485	ug/l	99
25) 2-Butanone	6.84	43	564232	224.781	ug/l	98
26) 2,2-Dichloropropane	6.82	77	185526	32.794	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	198527	47.039	ug/l	95
28) Bromochloromethane	7.19	49	145193	46.652	ug/l	94
29) Tetrahydrofuran	7.22	42	377573	237.527	ug/l	99
30) Chloroform	7.37	83	306153	46.963	ug/l	99
31) Cyclohexane	7.65	56	279546	45.550	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	268484	46.152	ug/l	98
36) 1,1-Dichloropropene	7.79	75	225960	45.560	ug/l	99
37) Ethyl Acetate	6.93	43	228650	47.700	ug/l	99
38) Carbon Tetrachloride	7.77	117	239846	46.427	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287533	46.817	ug/l	99
40) Benzene	8.04	78	712400	47.661	ug/l	99
41) Methacrylonitrile	7.17	41	109554	45.239	ug/l	97
42) 1,2-Dichloroethane	8.12	62	224069	45.876	ug/l	98
43) Isopropyl Acetate	8.17	43	388425	48.228	ug/l #	93
44) Trichloroethene	8.83	130	210297	50.467	ug/l	98
45) 1,2-Dichloropropane	9.12	63	185861	47.725	ug/l	100
46) Dibromomethane	9.21	93	124085	48.584	ug/l	95
47) Bromodichloromethane	9.40	83	244610	46.708	ug/l	99
48) Methyl methacrylate	9.20	41	178403	48.063	ug/l	97
49) 1,4-Dioxane	9.20	88	78324	1015.419	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	1160919	244.065	ug/l	99
52) Toluene	10.16	92	460104	48.943	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260146	46.537	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	286395	46.246	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	187238	49.717	ug/l	99
56) Ethyl methacrylate	10.43	69	291758	50.127	ug/l	99
57) 1,3-Dichloropropane	10.71	76	297914	48.666	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	551248	247.831	ug/l	98
59) 2-Hexanone	10.75	43	823819	244.140	ug/l	99
60) Dibromochloromethane	10.90	129	218059	49.703	ug/l	100
61) 1,2-Dibromoethane	11.00	107	196852	50.393	ug/l	99
64) Tetrachloroethene	10.63	164	217525	50.389	ug/l	99
65) Chlorobenzene	11.43	112	505773	49.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194286	47.542	ug/l	99
67) Ethyl Benzene	11.51	91	921353	50.142	ug/l	99
68) m/p-Xylenes	11.62	106	733377	105.575	ug/l	97
69) o-Xylene	11.95	106	337874	49.025	ug/l	98
70) Styrene	11.96	104	565336	50.654	ug/l	100
71) Bromoform	12.13	173	176444	50.619	ug/l #	99
73) Isopropylbenzene	12.25	105	898814	49.337	ug/l	99
74) N-amyl acetate	12.07	43	326194	46.928	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	257584	47.615	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	214057m	48.479	ug/l	
77) Bromobenzene	12.53	156	443891	81.281	ug/l	45
78) n-propylbenzene	12.59	91	975236	43.844	ug/l	98
79) 2-Chlorotoluene	12.67	91	575395	47.918	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	771655	50.376	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	74462	39.147	ug/l	100
82) 4-Chlorotoluene	12.77	91	566993	43.364	ug/l	99
83) tert-Butylbenzene	12.99	119	644335	48.557	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	910753	60.000	ug/l	99
85) sec-Butylbenzene	13.17	105	819923	47.472	ug/l	98
86) p-Isopropyltoluene	13.29	119	766436	43.123	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	399160	46.159	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	386767	47.043	ug/l	99
89) n-Butylbenzene	13.61	91	606318	44.524	ug/l	98
90) Hexachloroethane	13.87	117	142052	41.991	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	392932	45.544	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	49788	43.906	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	235454	47.621	ug/l	99
94) Hexachlorobutadiene	15.01	225	150002	49.381	ug/l	98
95) Naphthalene	15.13	128	741502	62.633	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	242210	53.109	ug/l	100

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

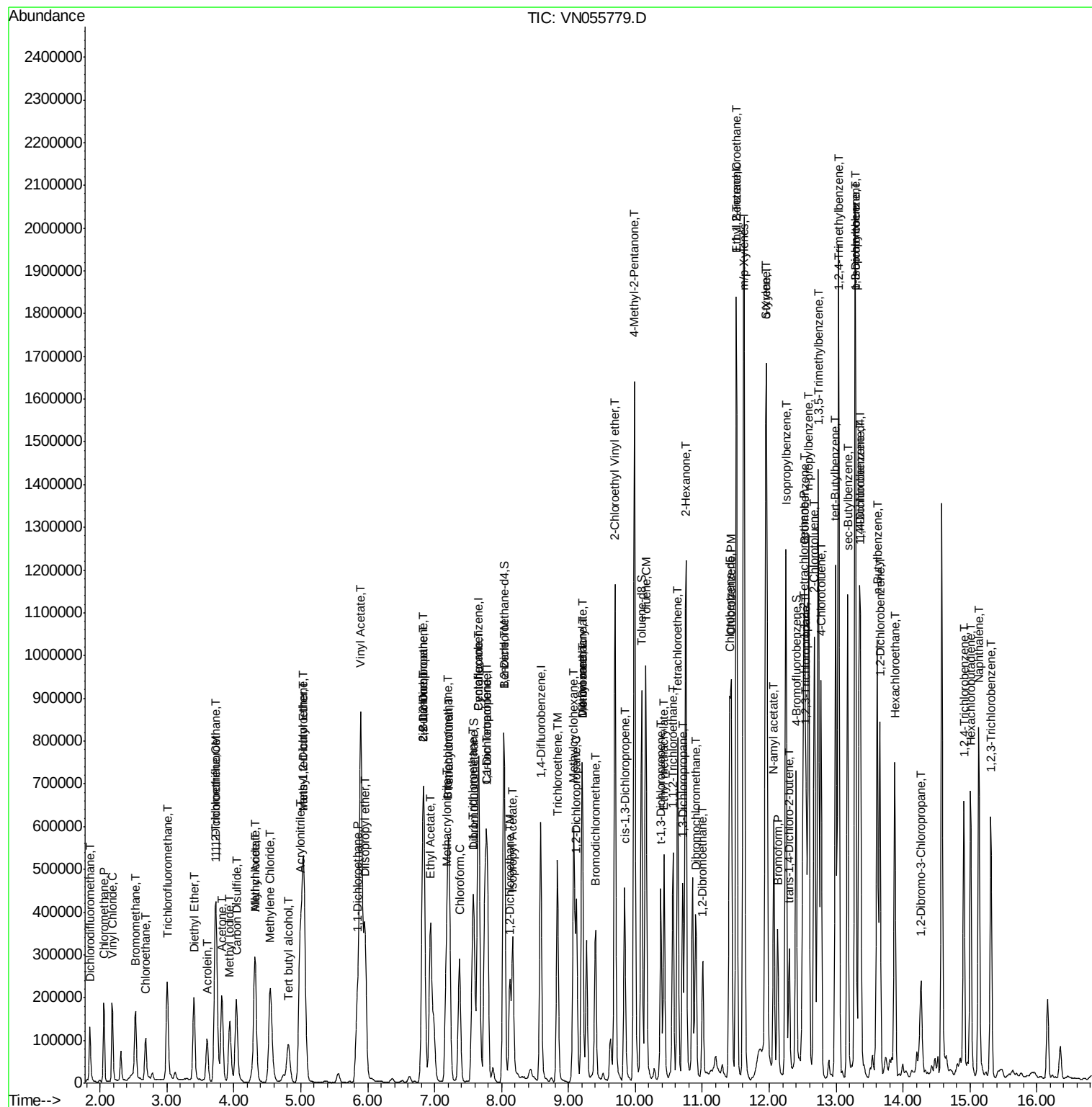
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Operator : JC/SP
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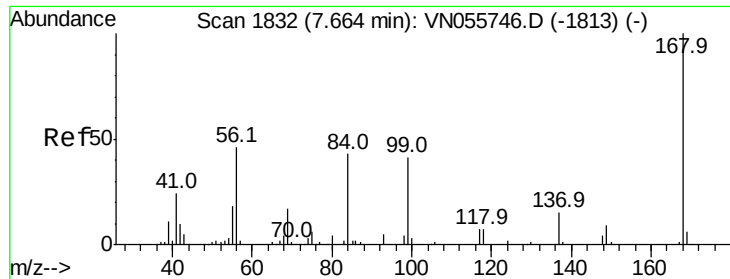
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 395925

Ion Ratio Lower Upper

168 100

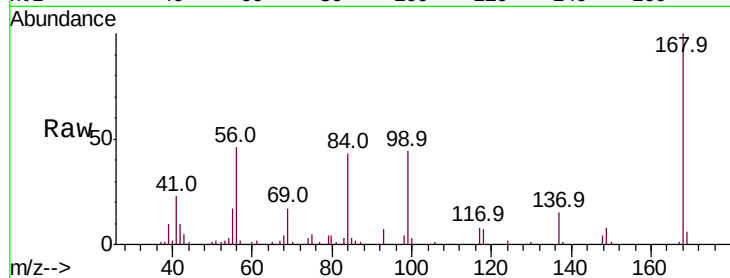
99 44.2 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

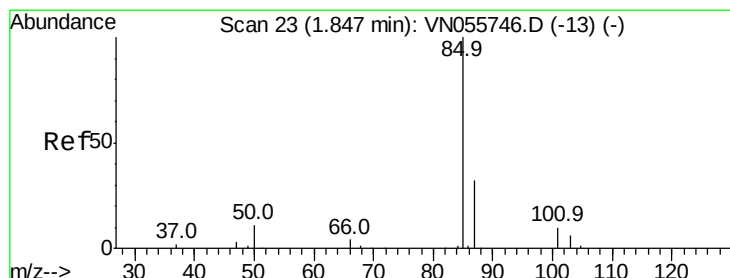
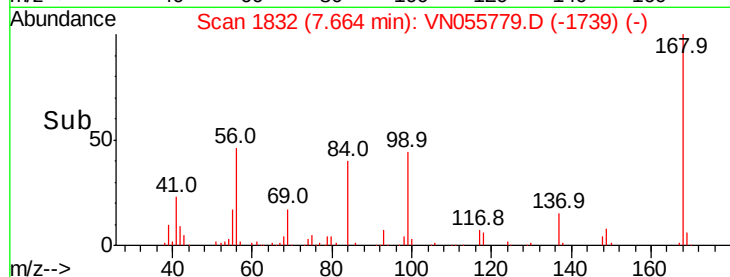
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50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 42.209 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055779.D

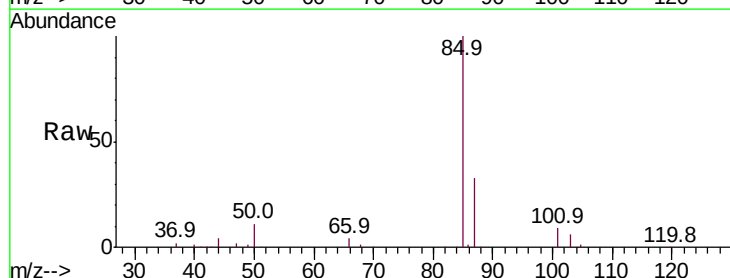
Acq: 24 May 2019 1:58

Tgt Ion: 85 Resp: 112470

Ion Ratio Lower Upper

85 100

87 33.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

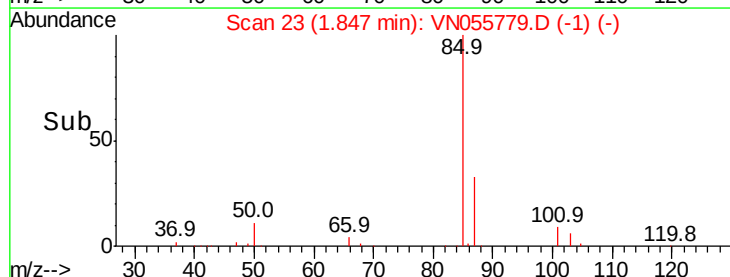
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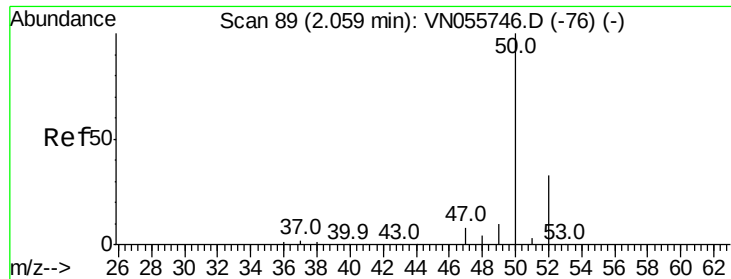
20000

0

Time-->

1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 44.845 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 167425

Ion Ratio Lower Upper

50 100

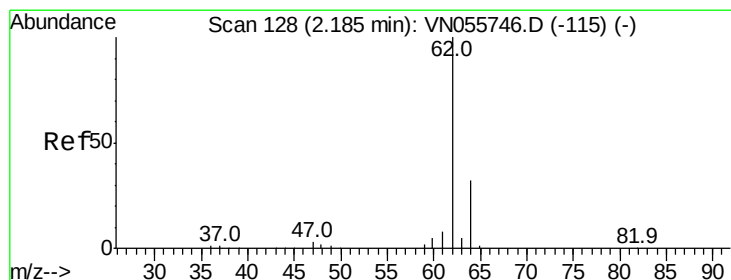
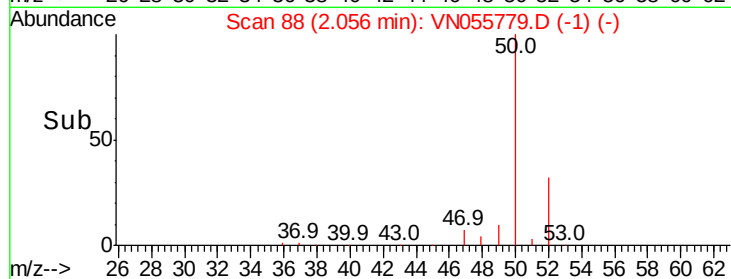
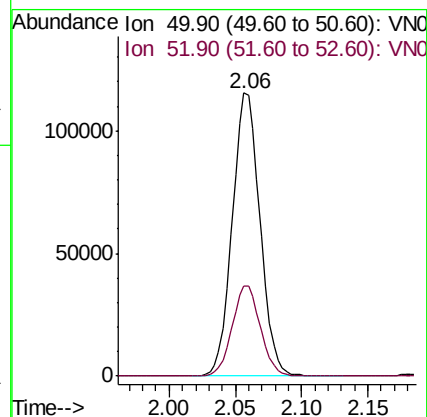
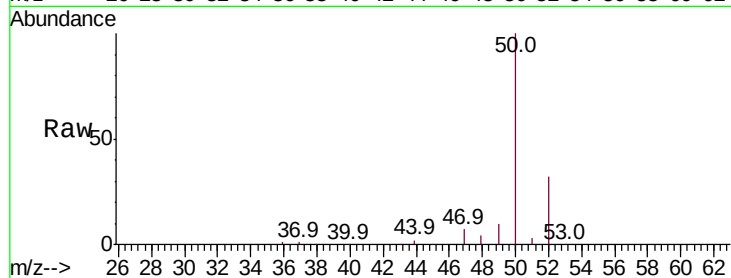
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.882 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055779.D

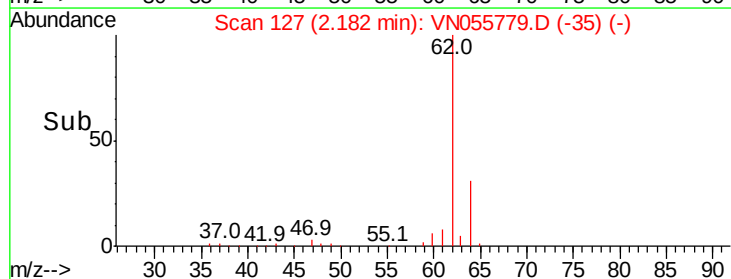
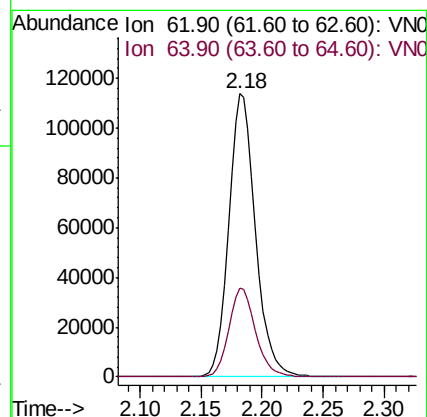
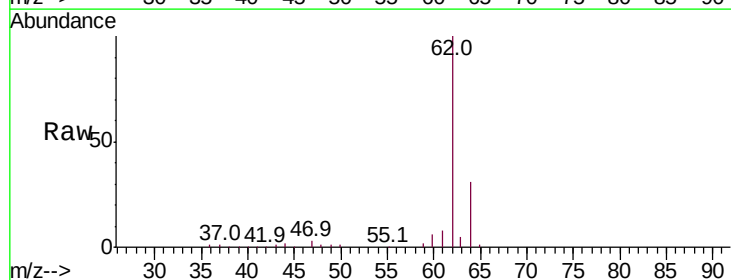
Acq: 24 May 2019 1:58

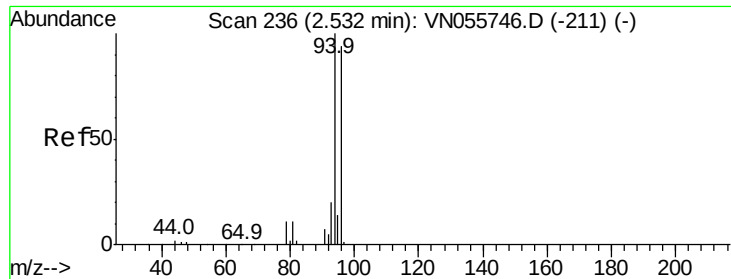
Tgt Ion: 62 Resp: 174738

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 45.928 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 114416

Ion Ratio Lower Upper

94 100

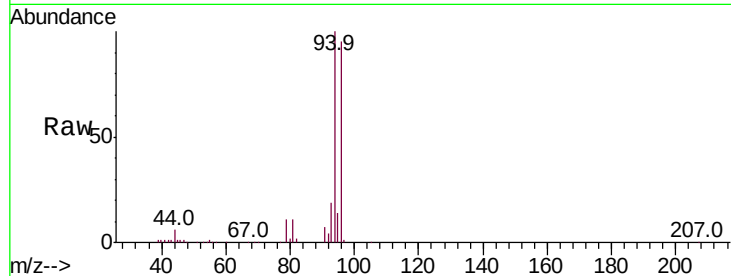
96 94.7 75.5 113.3

Manual Integrations

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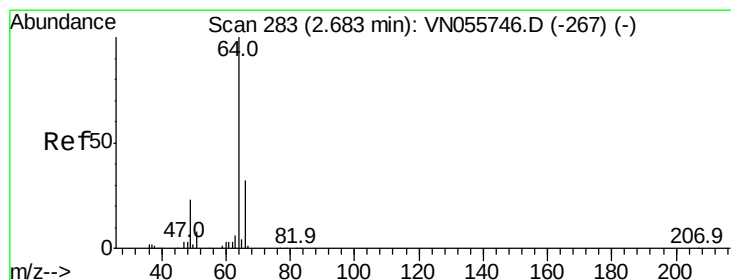
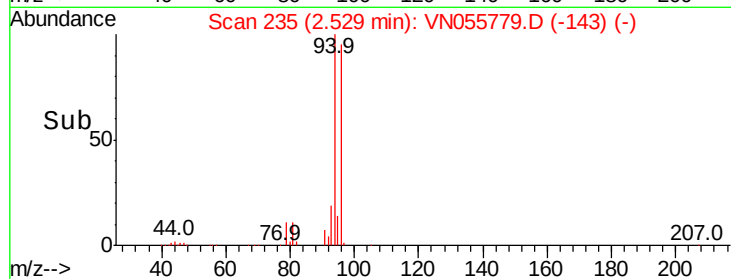
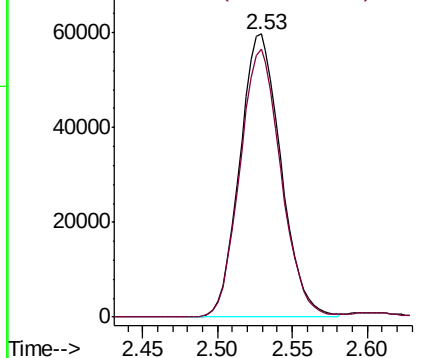
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.540 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055779.D

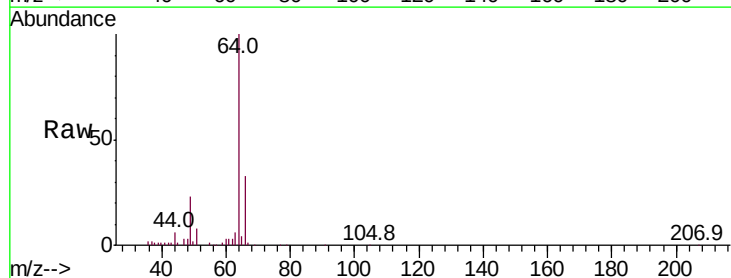
Acq: 24 May 2019 1:58

Tgt Ion: 64 Resp: 106782

Ion Ratio Lower Upper

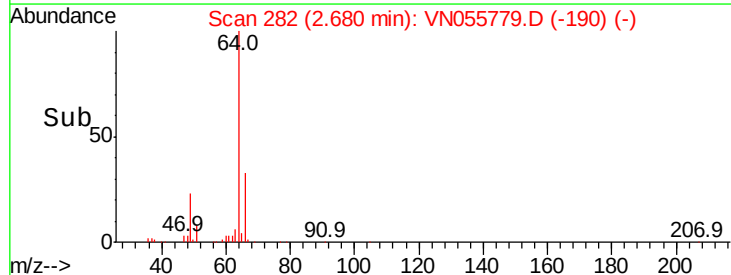
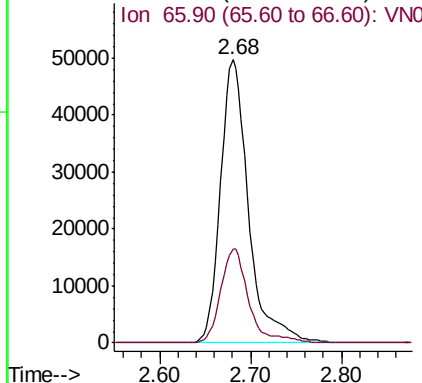
64 100

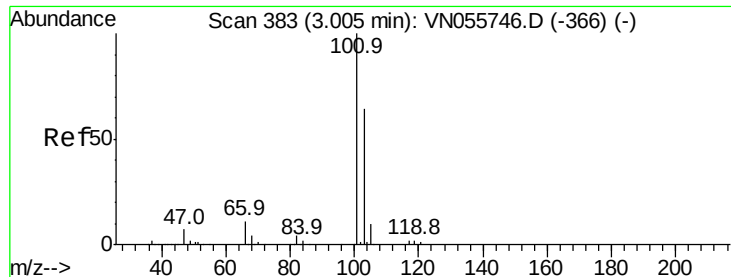
66 33.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

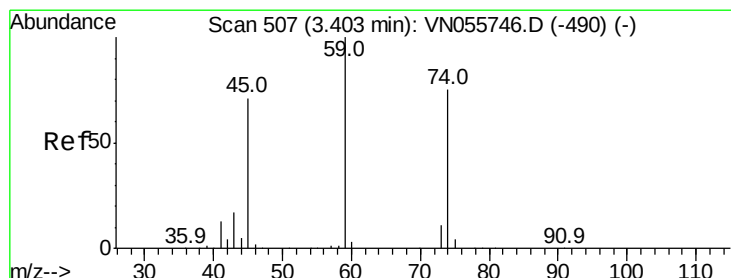
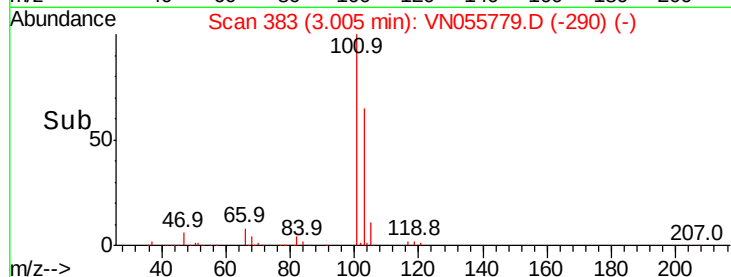
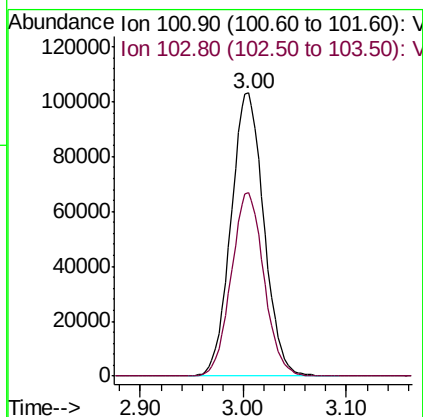
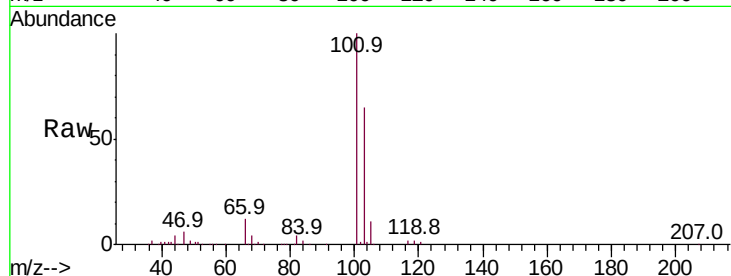
Trichlorofluoromethane
Concen: 43.937 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.2	76.8

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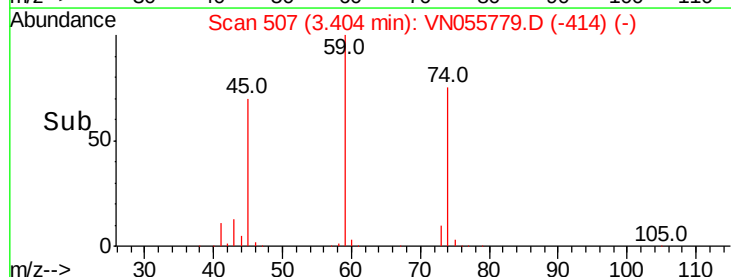
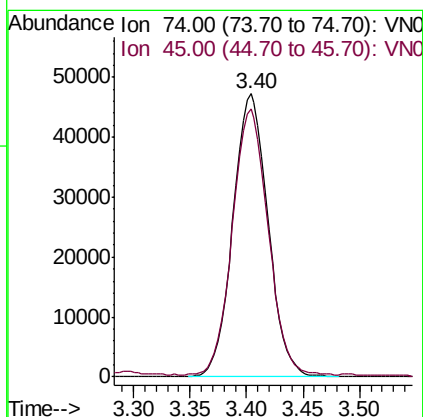
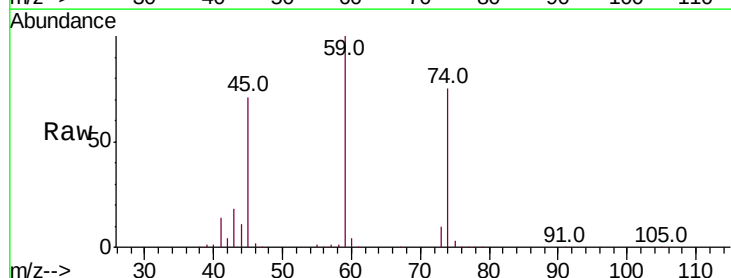
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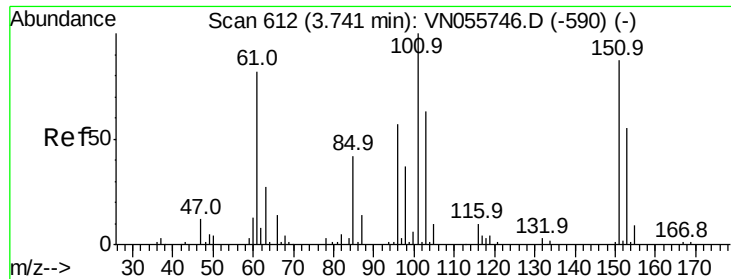


#8

Diethyl Ether
Concen: 43.748 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.765 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 142623

Ion Ratio Lower Upper

101 100

85 42.0 33.4 50.2

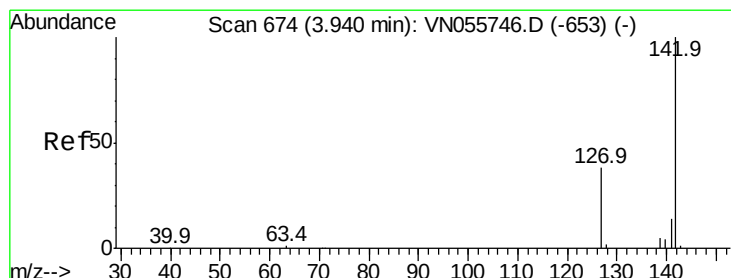
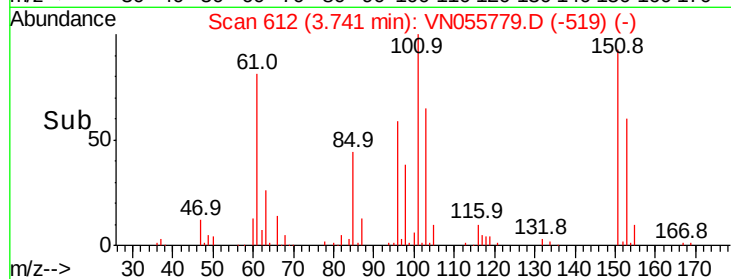
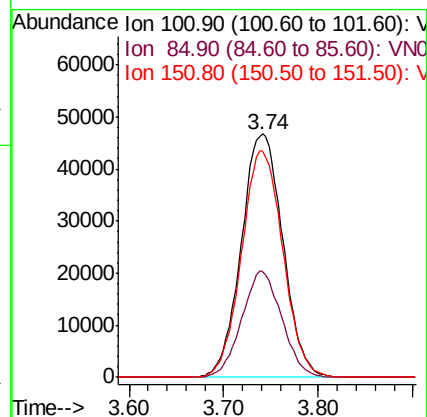
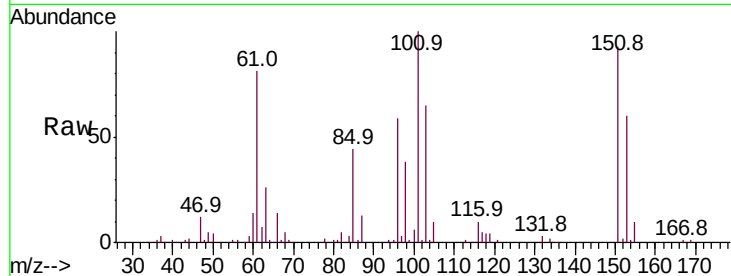
151 92.5 69.4 104.2

Manual Integrations

APPROVED

MMDadoda

5/24/2019 9:53:13 AM



#10

Methyl Iodide

Concen: 52.334 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

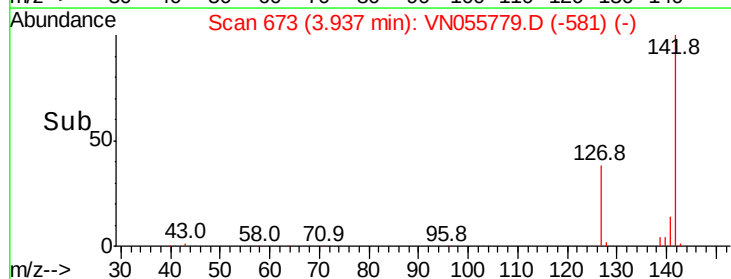
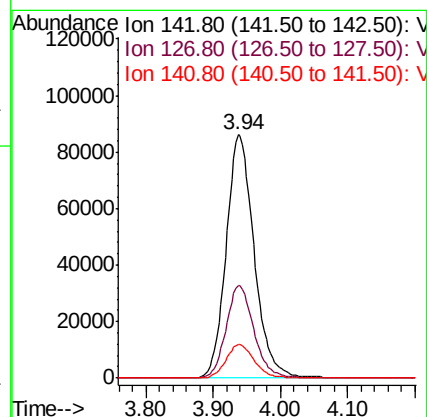
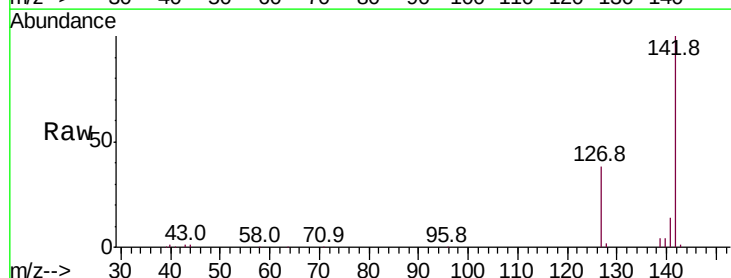
Tgt Ion:142 Resp: 249342

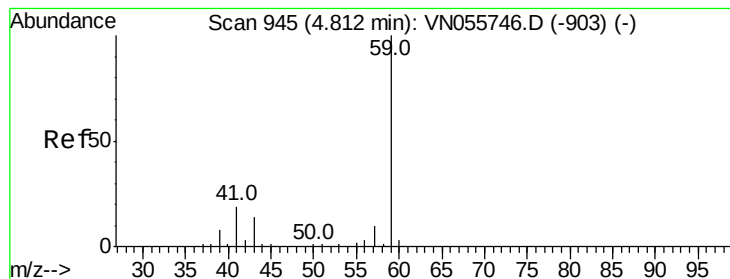
Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

141 13.9 11.4 17.0





#11

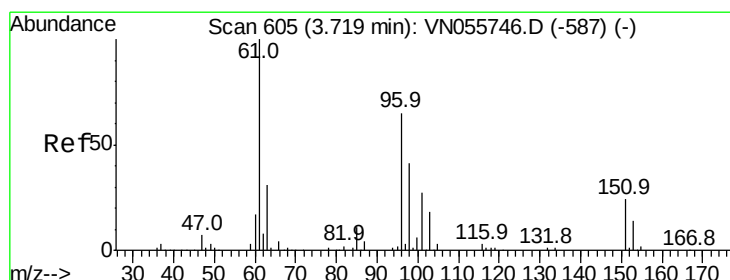
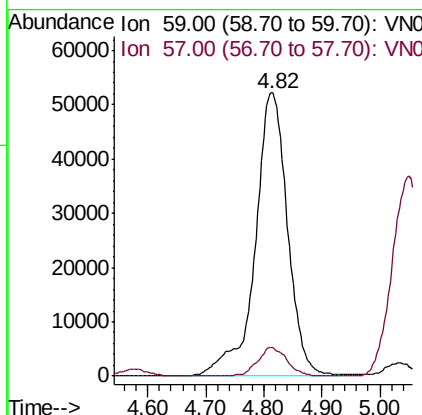
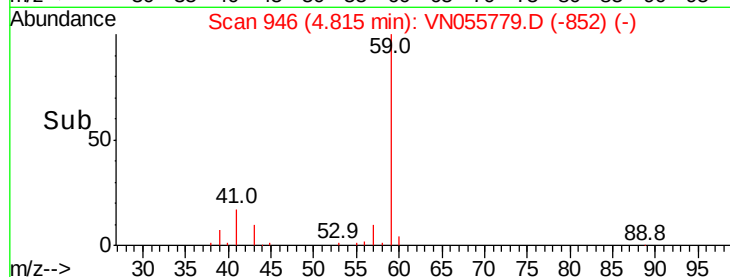
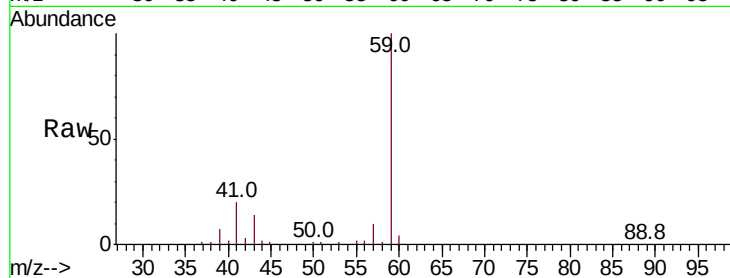
Tert butyl alcohol
Concen: 260.077 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.8	11.6

Manual Integrations
APPROVED

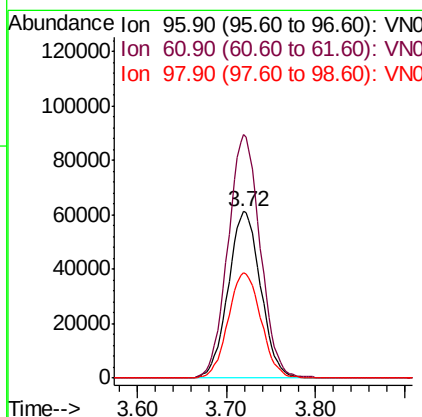
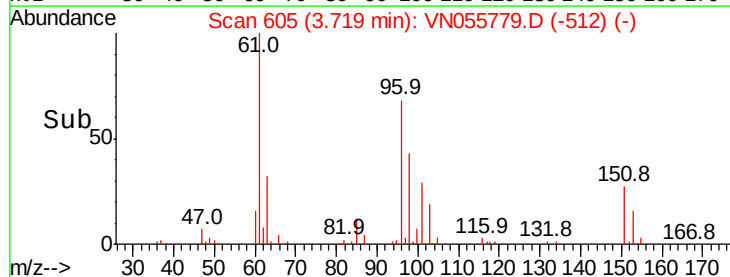
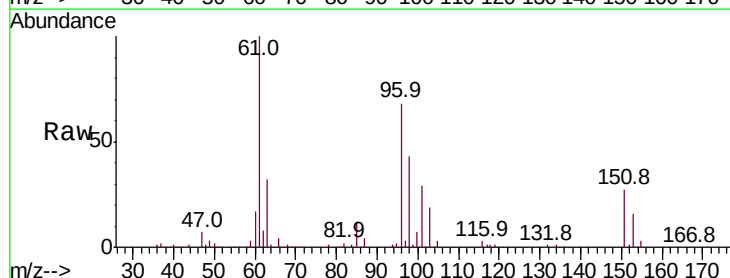
MMDadoda
5/24/2019 9:53:13 AM

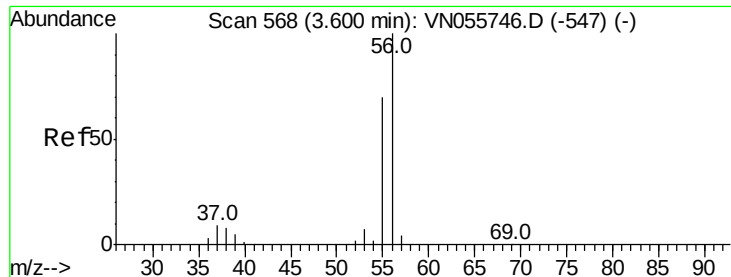


#12

1,1-Dichloroethene
Concen: 45.917 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.3	123.2	184.8
98	63.6	50.4	75.6





#13

Acrolein

Concen: 208.718 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 116756

Ion Ratio Lower Upper

56 100

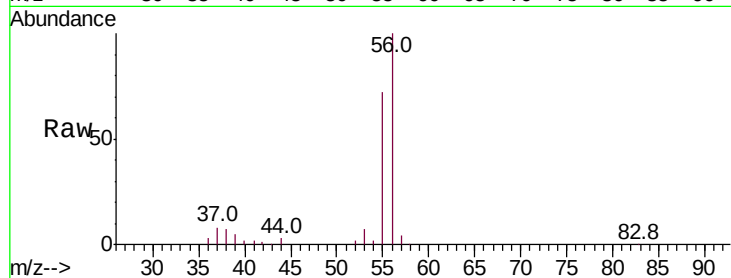
55 72.4 55.4 83.2

Manual Integrations

APPROVED

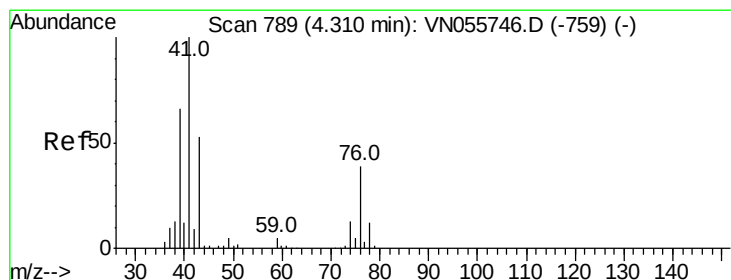
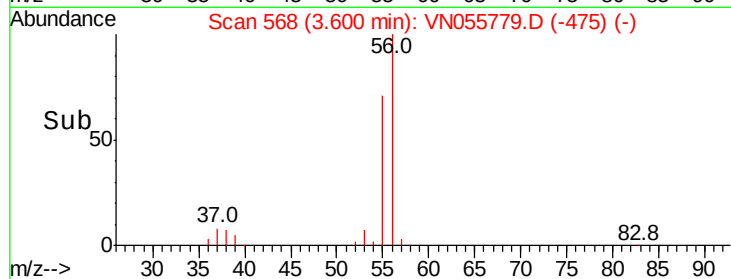
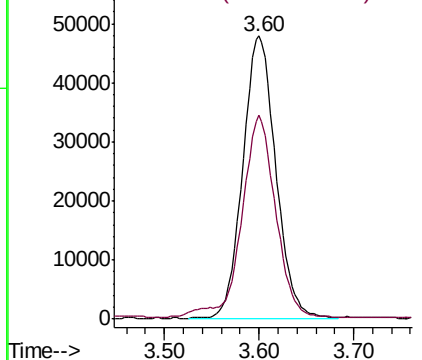
MMDadoda

5/24/2019 9:53:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 43.897 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

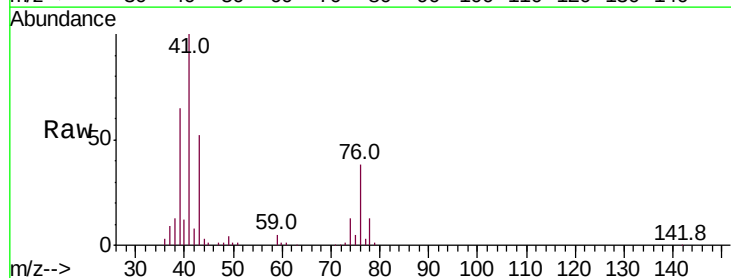
Tgt Ion: 41 Resp: 253391

Ion Ratio Lower Upper

41 100

39 59.7 50.0 75.0

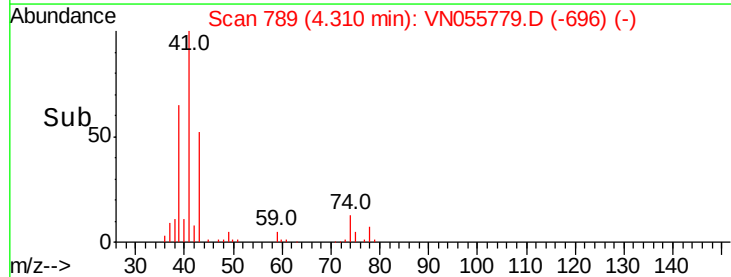
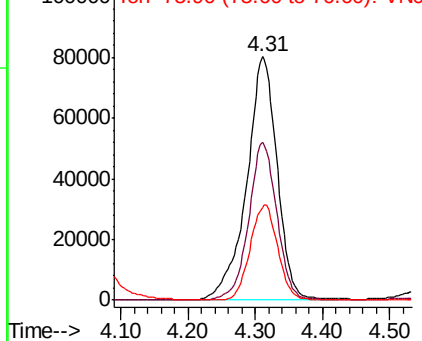
76 35.2 28.2 42.2

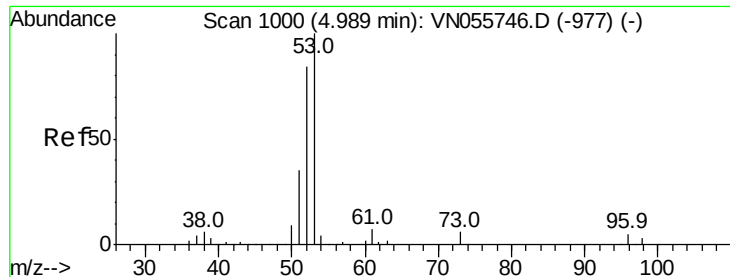


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 240.237 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

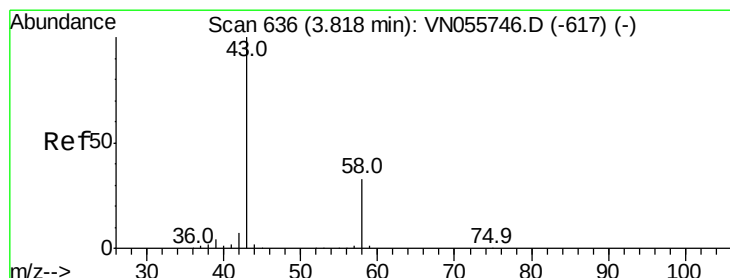
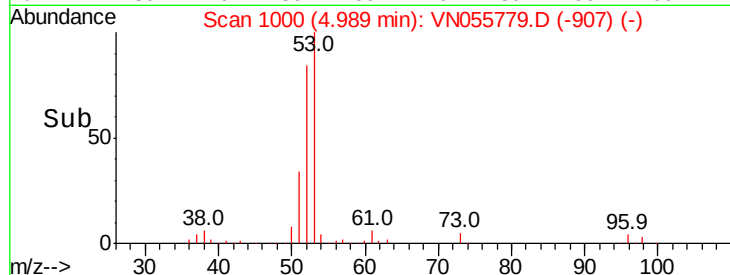
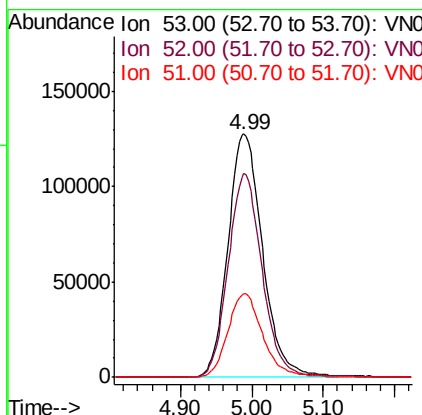
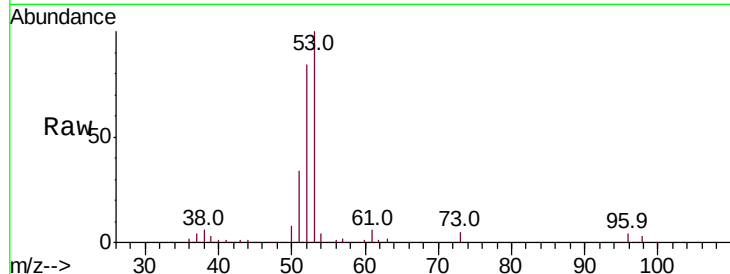
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	430964
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.8	98.8
51	34.9	28.2	42.4

Manual Integrations
APPROVED

MMDadoda
5/24/2019 9:53:13 AM



#16

Acetone

Concen: 186.355 ug/l

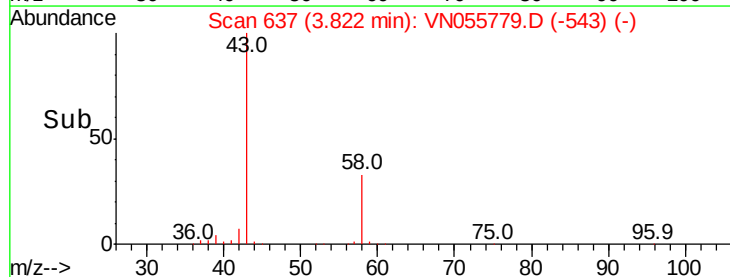
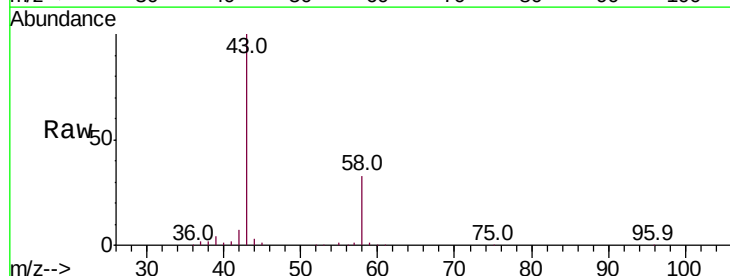
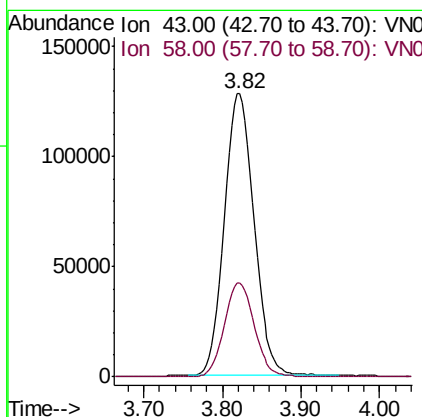
RT: 3.82 min Scan# 637

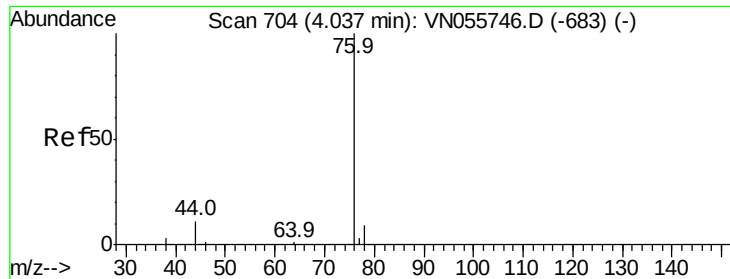
Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion:	43	Resp:	334945
Ion Ratio	Lower	Upper	
43	100		
58	33.2	26.6	39.8





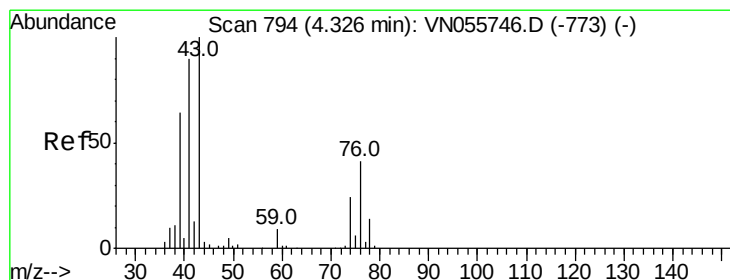
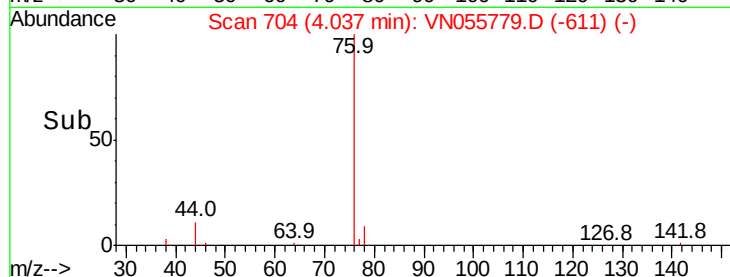
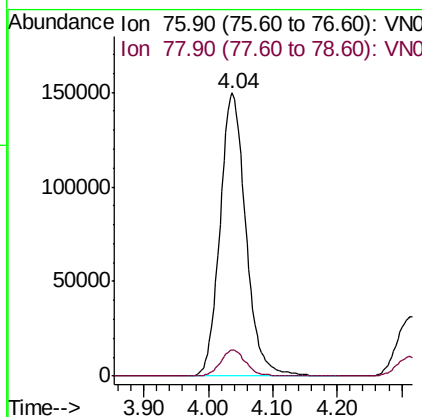
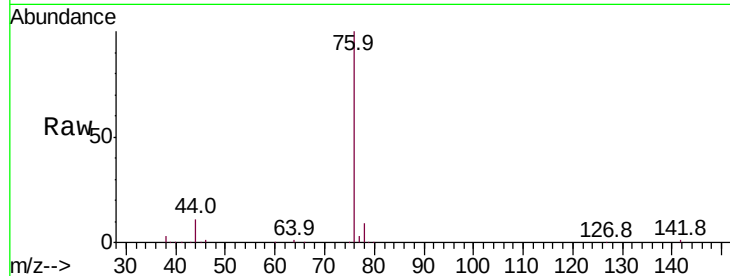
#17
Carbon Disulfide
Concen: 43.640 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

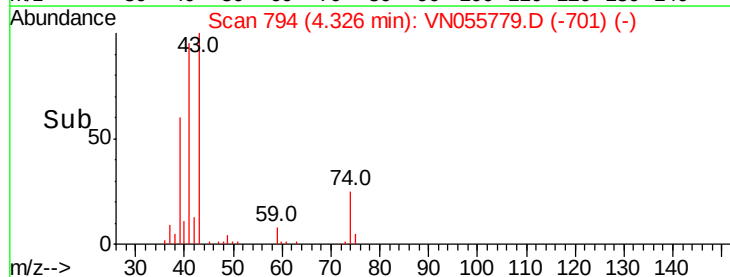
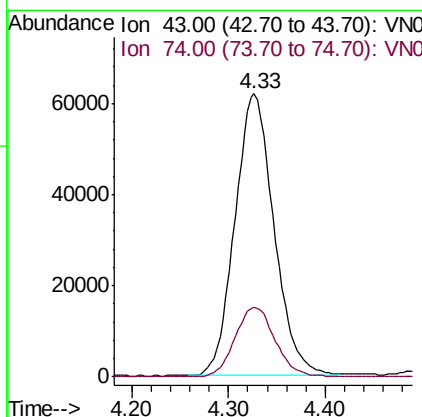
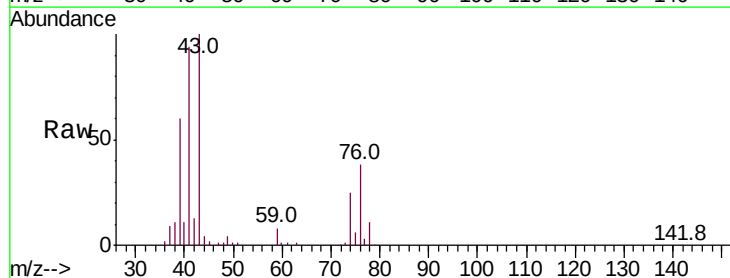
Manual Integrations
APPROVED

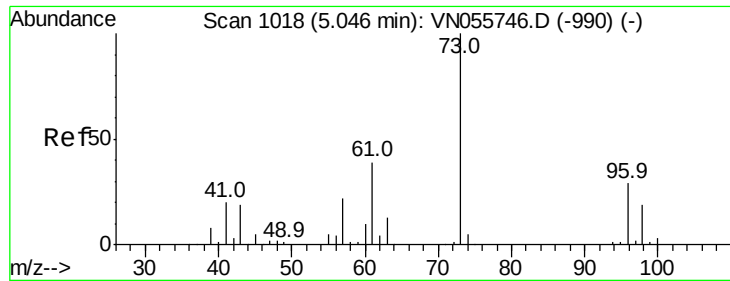
MMDadoda
5/24/2019 9:53:13 AM



#18
Methyl Acetate
Concen: 47.516 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.4	19.3	28.9





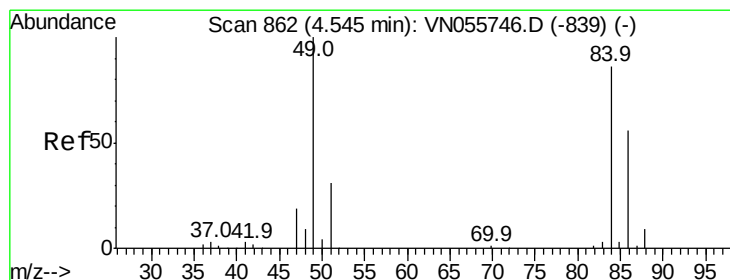
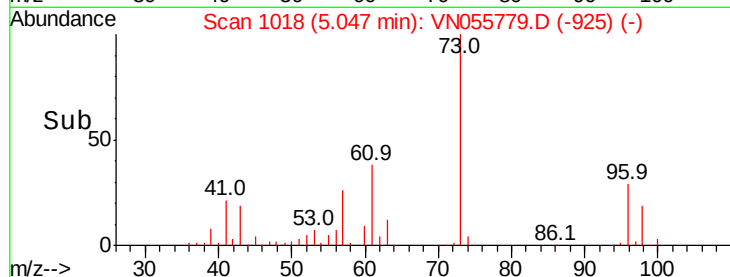
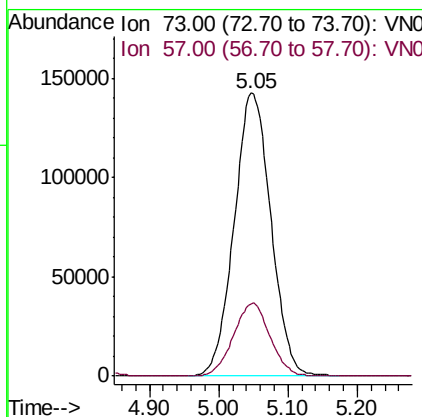
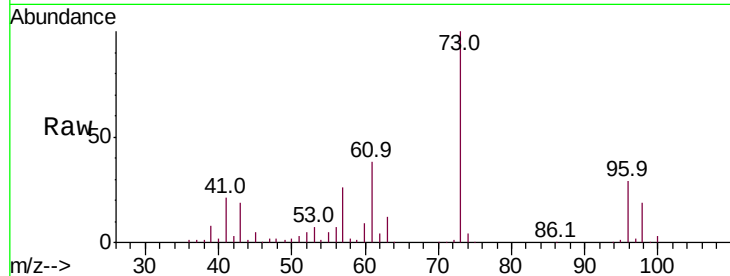
#19
Methyl tert-butyl Ether
Concen: 46.902 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	25.6	17.8	26.8

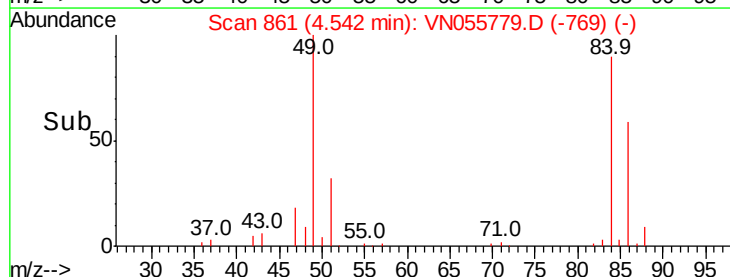
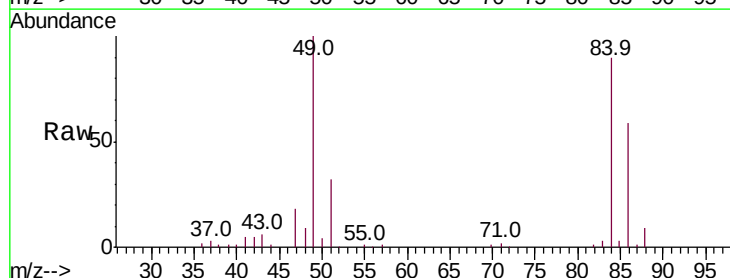
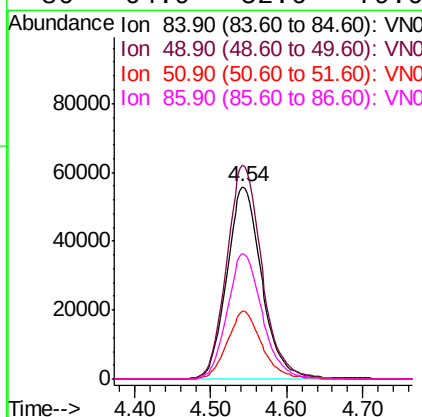
Manual Integrations
APPROVED

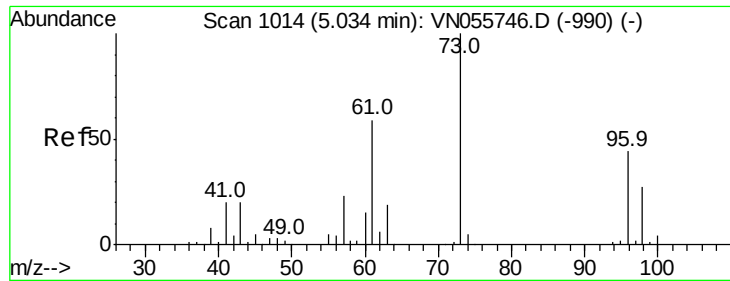
MMDadoda
5/24/2019 9:53:13 AM



#20
Methylene Chloride
Concen: 45.812 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.9	93.5	140.3
51	34.9	28.6	43.0
86	64.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 46.523 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 168298

Ion Ratio Lower Upper

96 100

61 129.4 107.8 161.8

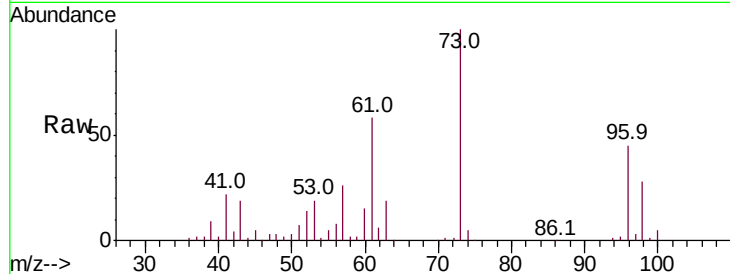
98 62.8 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

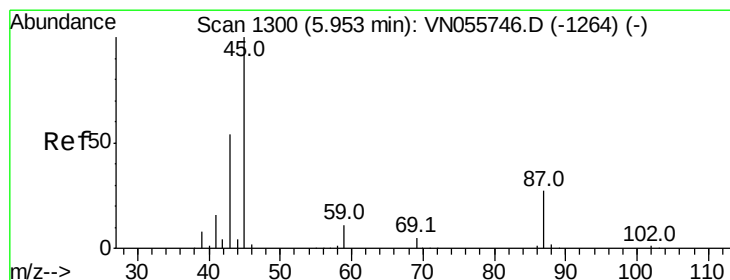
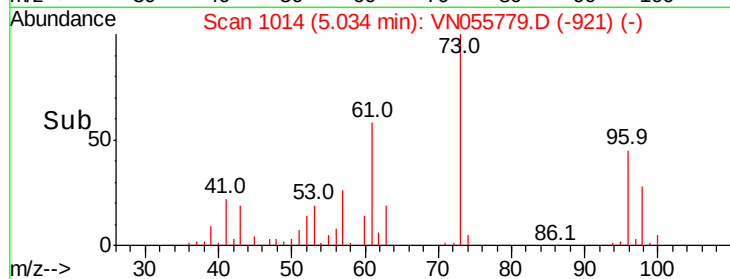
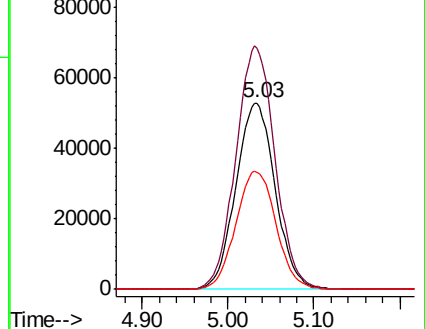
5/24/2019 9:53:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055779.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN055779.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN055779.D (-1207) (-)



#22

Diisopropyl ether

Concen: 46.057 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion: 45 Resp: 517090

Ion Ratio Lower Upper

45 100

43 53.7 45.0 67.6

87 29.7 22.2 33.4

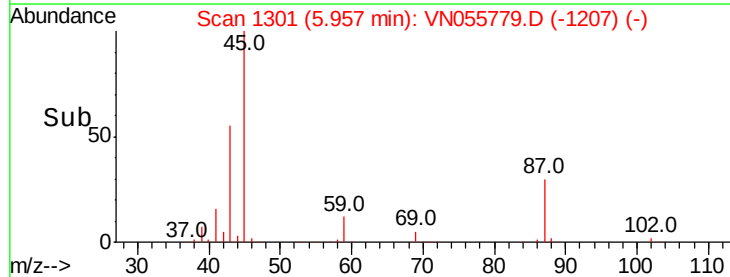
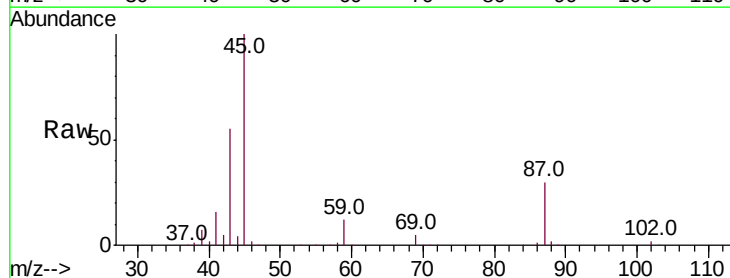
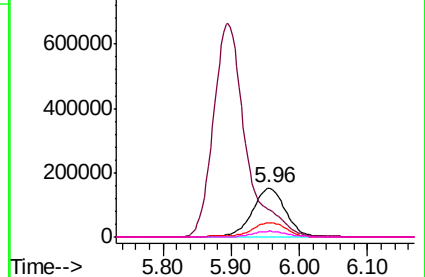
59 11.7 9.1 13.7

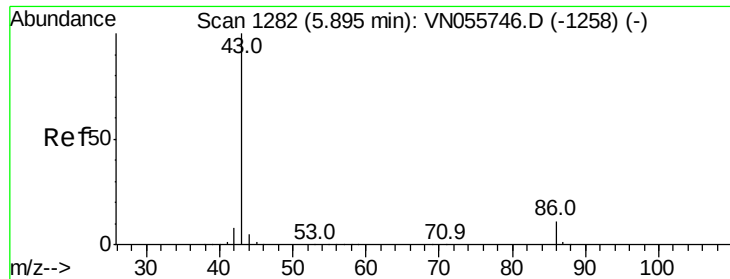
Abundance Ion 45.00 (44.70 to 45.70): VN055779.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN055779.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN055779.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN055779.D (-1207) (-)





#23

Vinyl Acetate

Concen: 229.160 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

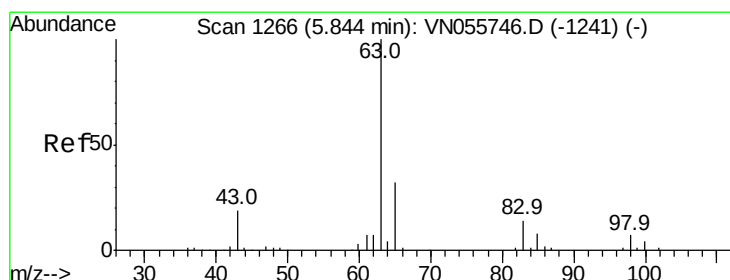
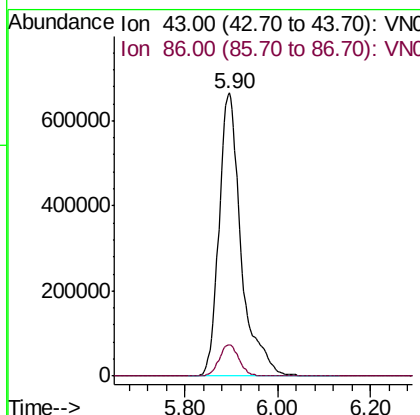
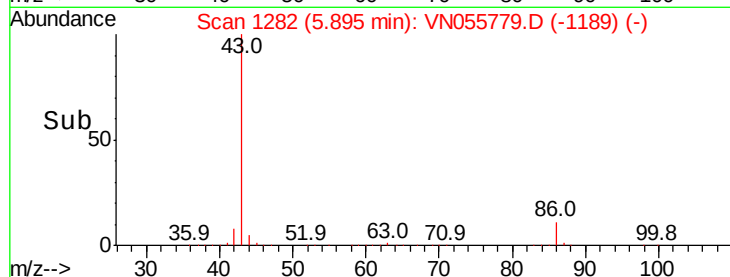
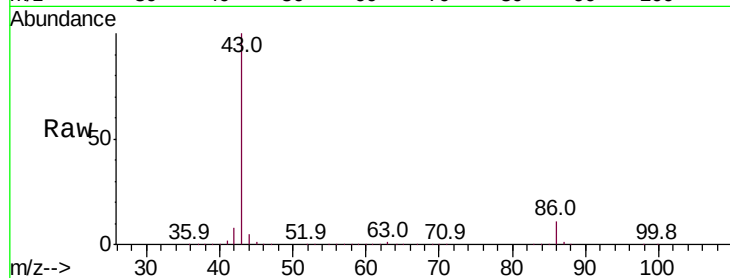
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 2205898

Ion	Ratio	Lower	Upper
43	100		
86	11.0	8.6	13.0

Manual Integrations
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MMDadoda
5/24/2019 9:53:13 AM



#24

1,1-Dichloroethane

Concen: 45.485 ug/l

RT: 5.84 min Scan# 1266

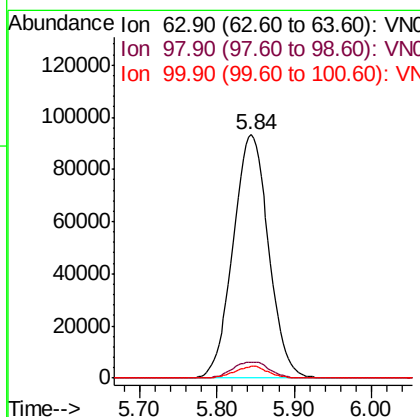
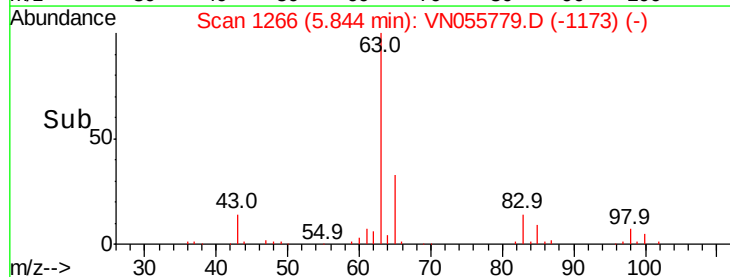
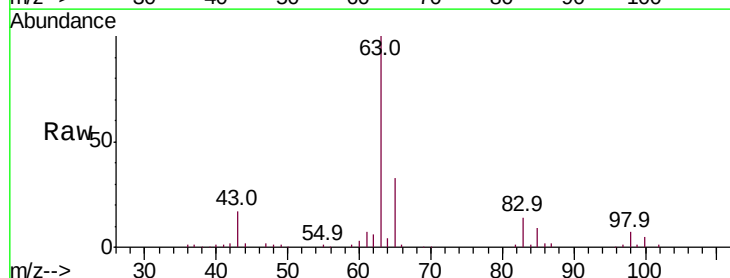
Delta R.T. 0.00 min

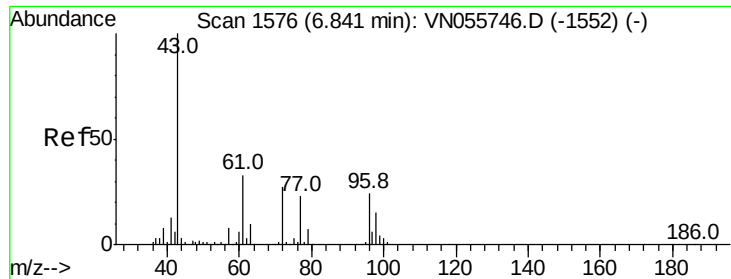
Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion: 63 Resp: 297327

Ion	Ratio	Lower	Upper
63	100		
98	6.6	3.4	10.1
100	4.7	2.2	6.6





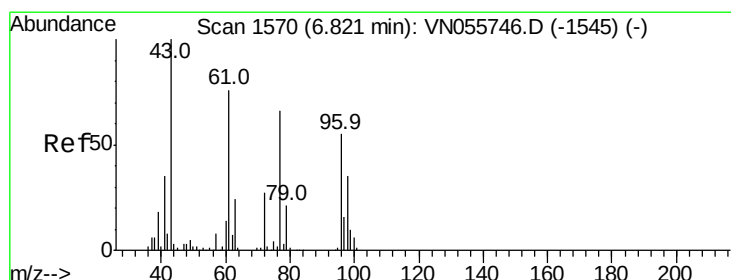
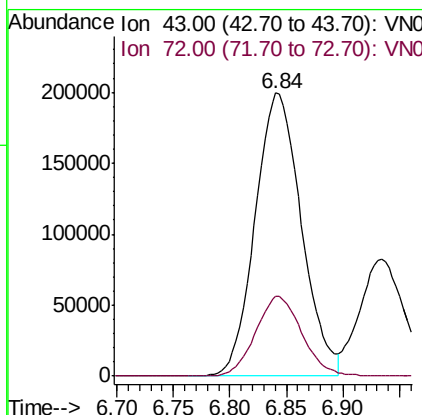
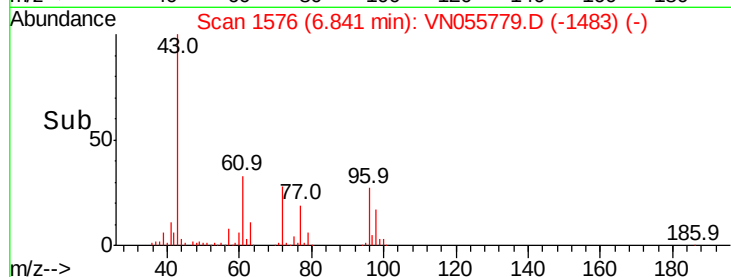
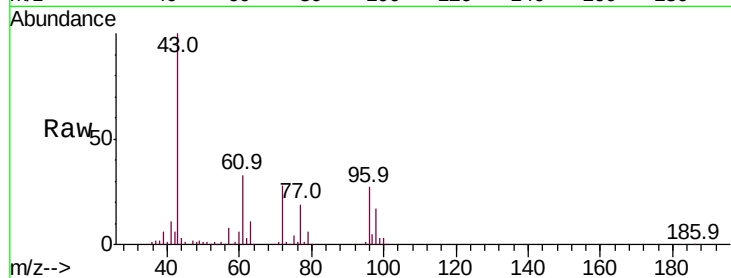
#25
2-Butanone
Concen: 224.781 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	100	Resp	564232
Ion	43	100		Lower	Upper
	72	28.3		21.9	32.9

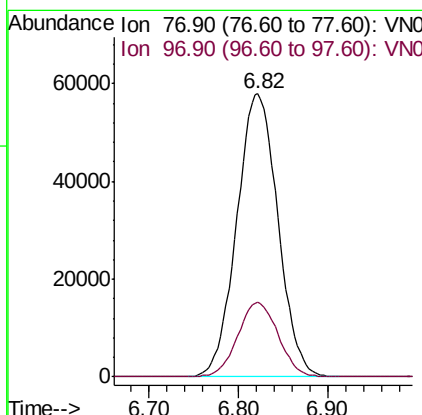
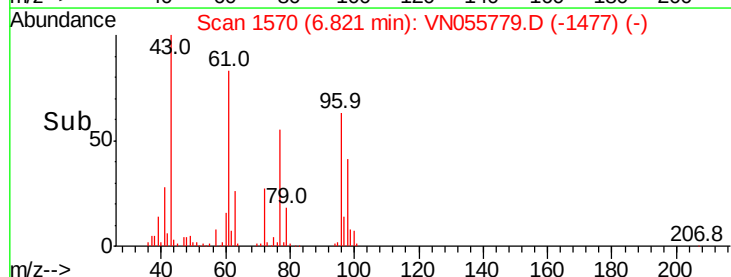
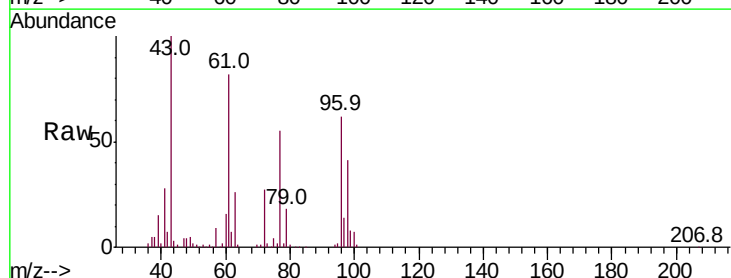
Manual Integrations
APPROVED

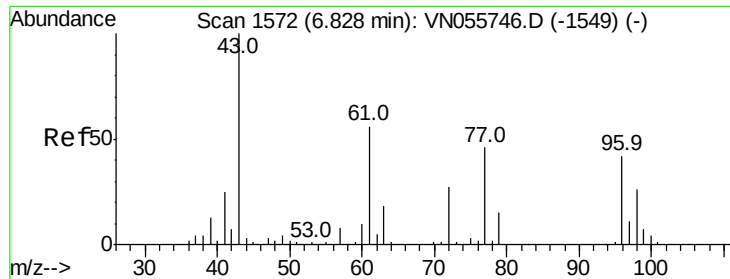
MMDadoda
5/24/2019 9:53:13 AM



#26
2,2-Dichloropropane
Concen: 32.794 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	77	Ratio	100	Resp	185526
Ion	77	100		Lower	Upper
	97	25.9		12.2	36.6





#27

cis-1,2-Dichloroethene

Concen: 47.039 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

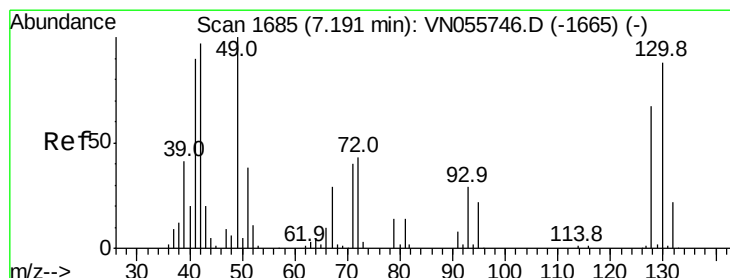
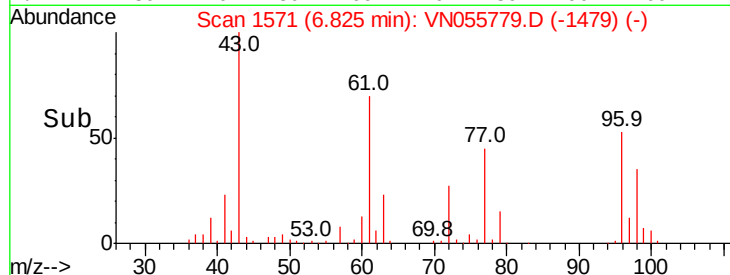
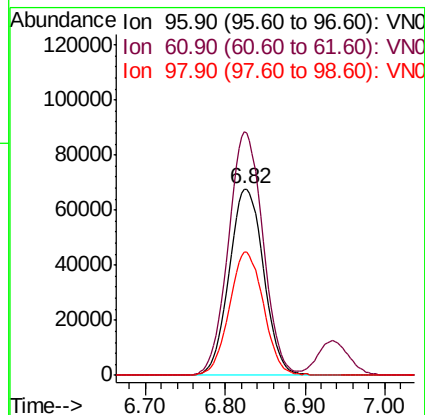
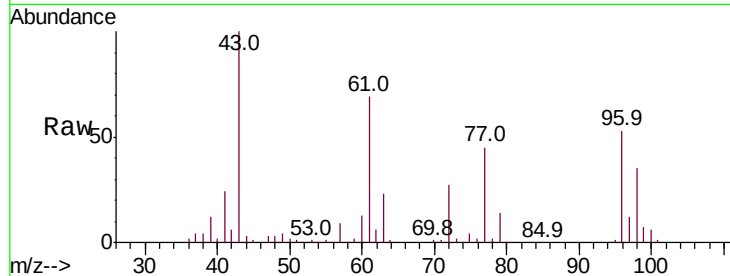
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	198527
Ion Ratio	Lower	Upper	
96	100		
61	130.7	0.0	275.8
98	65.5	0.0	128.4

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5/24/2019 9:53:13 AM



#28

Bromochloromethane

Concen: 46.652 ug/l

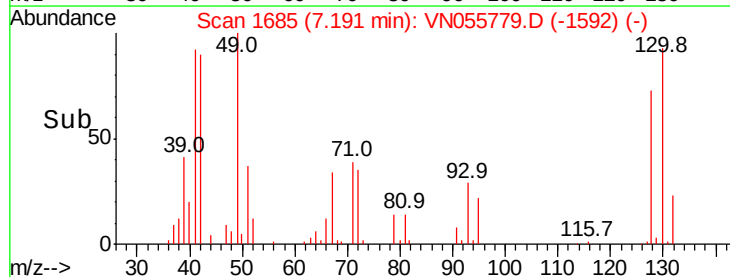
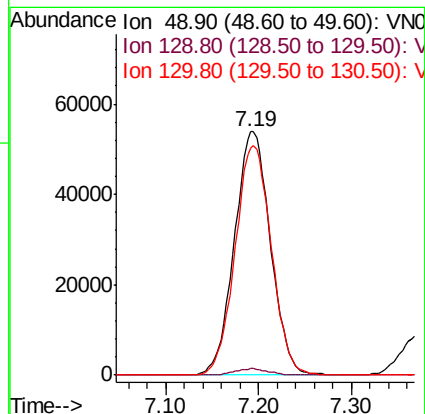
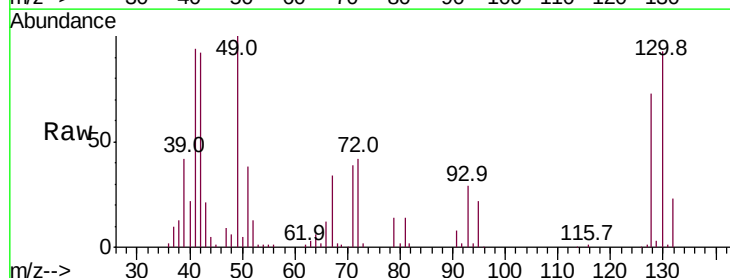
RT: 7.19 min Scan# 1685

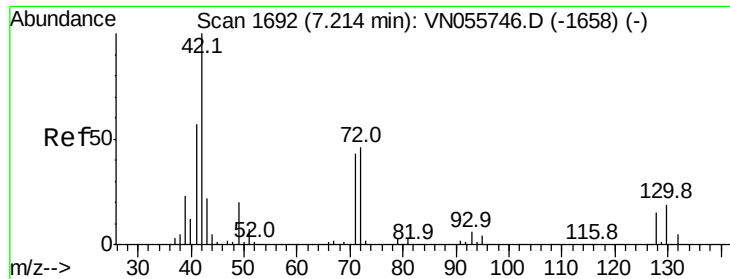
Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion:	49	Resp:	145193
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.4
130	94.4	71.2	106.8





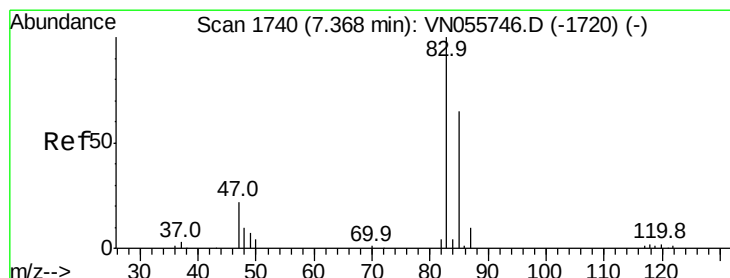
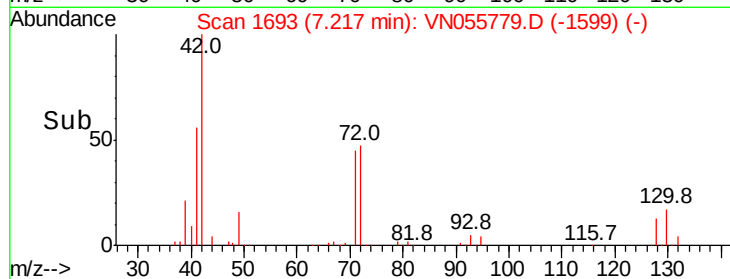
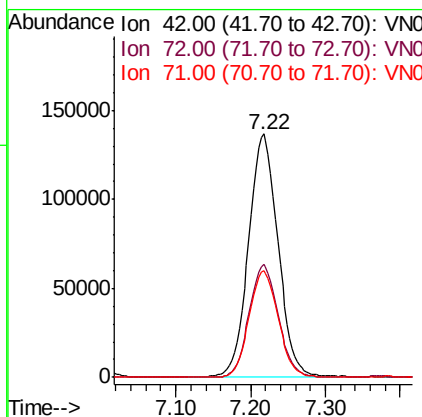
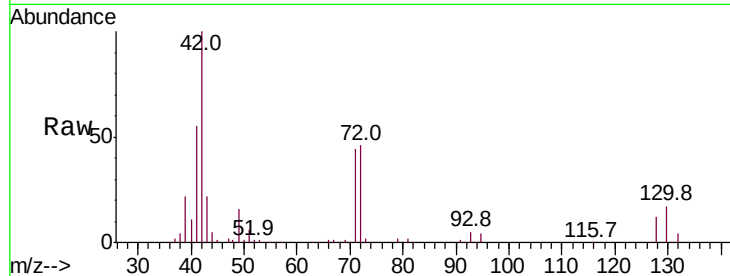
#29
Tetrahydrofuran
Concen: 237.527 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.9	53.9
71	43.3	34.0	51.0

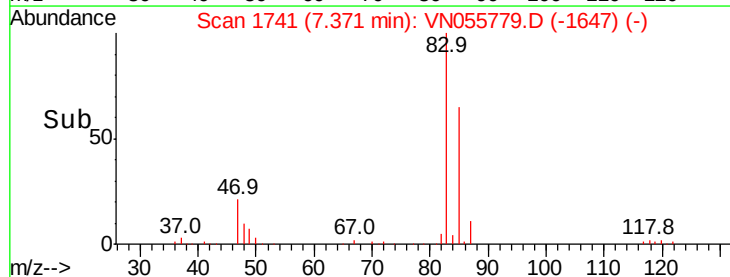
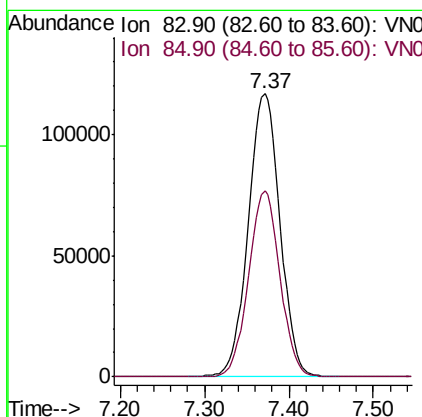
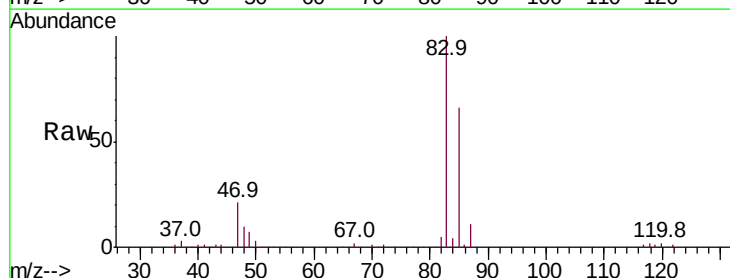
Manual Integrations
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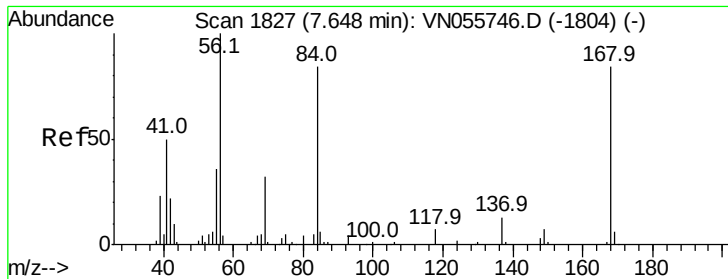
MMDadoda
5/24/2019 9:53:13 AM



#30
Chloroform
Concen: 46.963 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.8





#31

Cyclohexane

Concen: 45.550 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

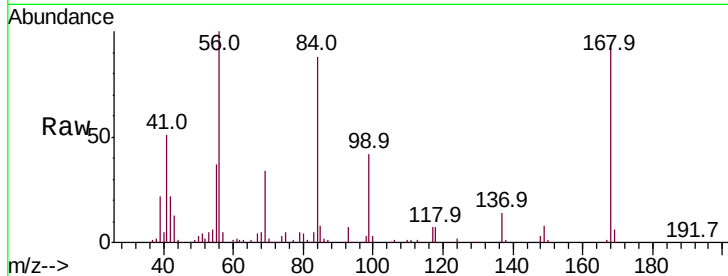
ClientSampleId :

VSTDCCC050EC

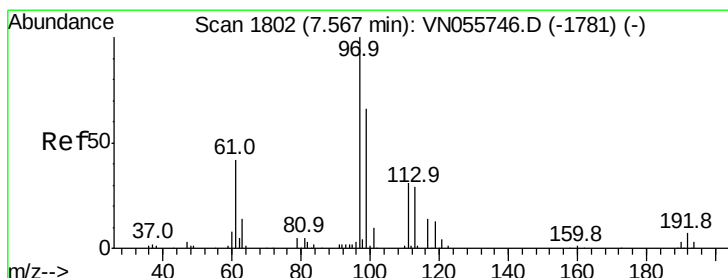
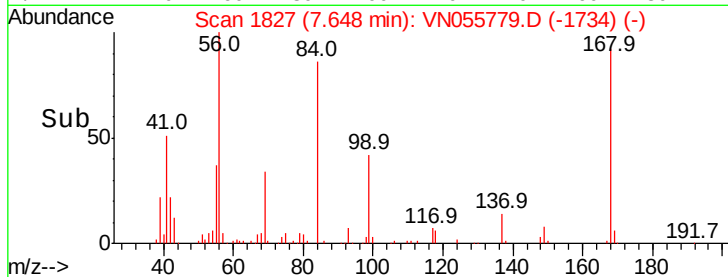
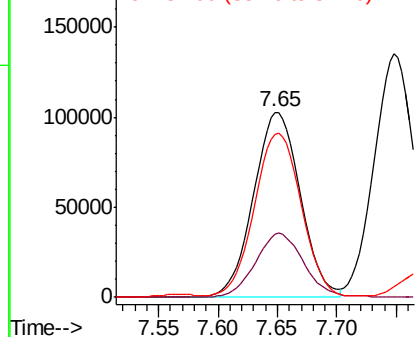
Tot Ion:	56	Resp:	279546
Ion Ratio	Lower	Upper	
56	100		
69	34.1	25.6	38.4
84	86.9	67.4	101.0

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



#32

1,1,1-Trichloroethane

Concen: 46.152 ug/l

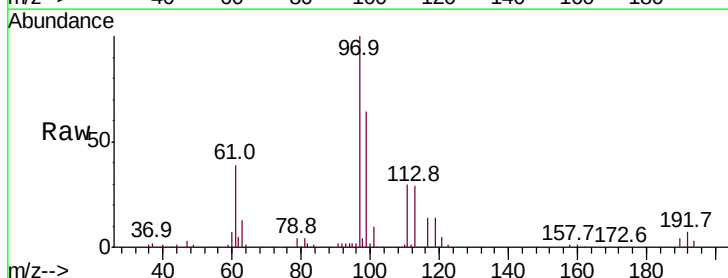
RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

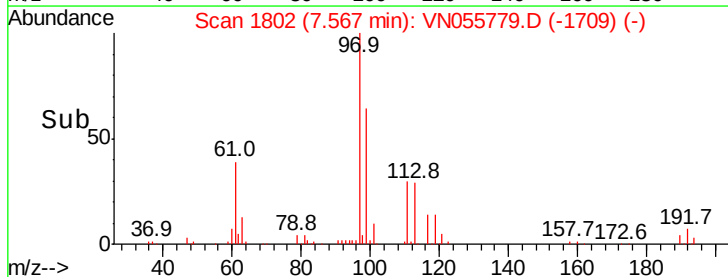
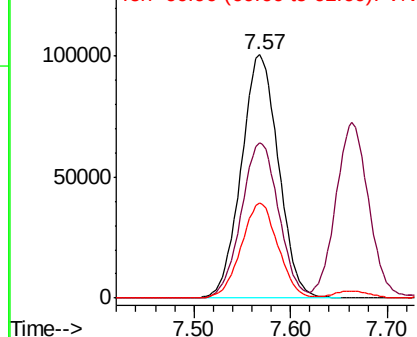
Lab File: VN055779.D

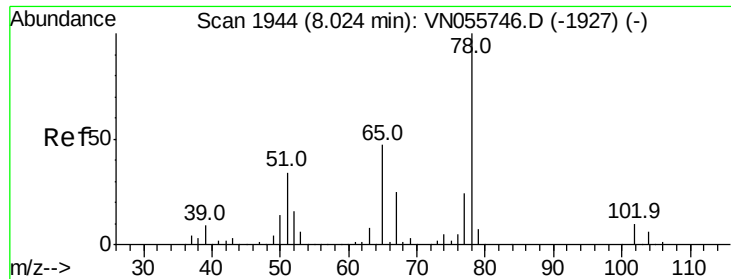
Acq: 24 May 2019 1:58

Tgt Ion:	97	Resp:	268484
Ion Ratio	Lower	Upper	
97	100		
99	64.4	52.0	78.0
61	38.8	32.9	49.3



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





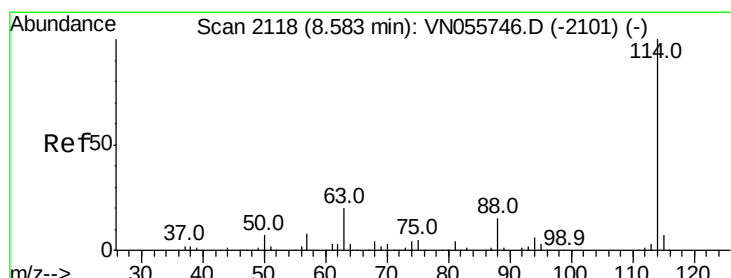
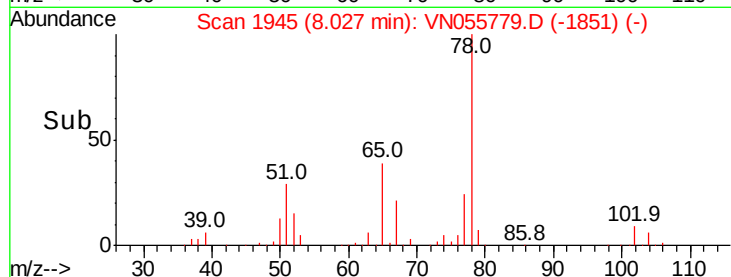
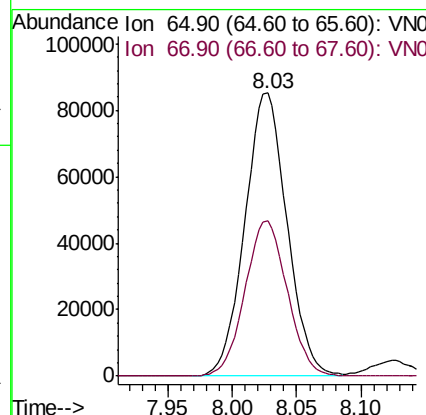
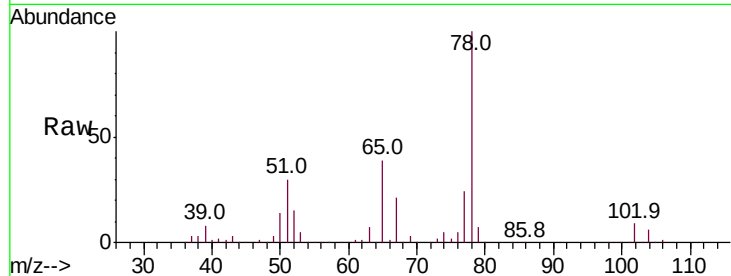
#33
 1,2-Dichloroethane-d4
 Concen: 47.426 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	193914		
67	55.2	0.0	109.2	

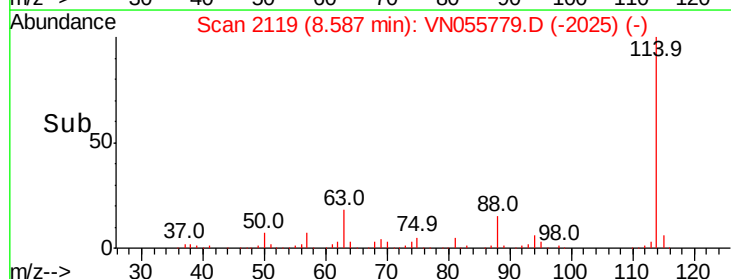
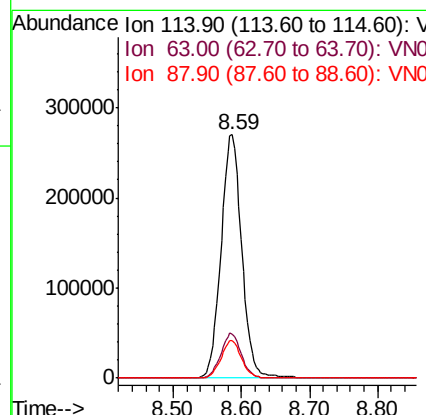
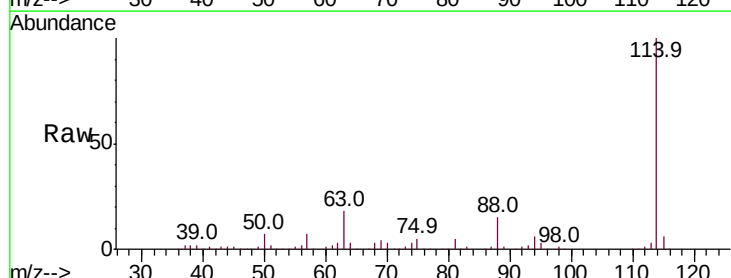
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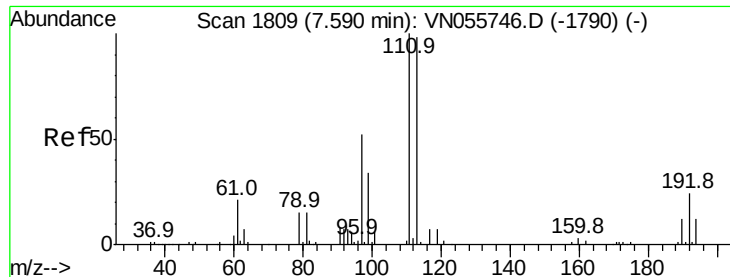
MMDadoda
 5/24/2019 9:53:13 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	569115		
63	18.3	0.0	39.2	
88	15.3	0.0	31.0	





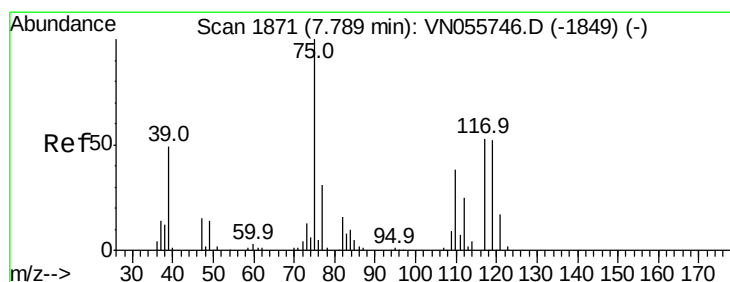
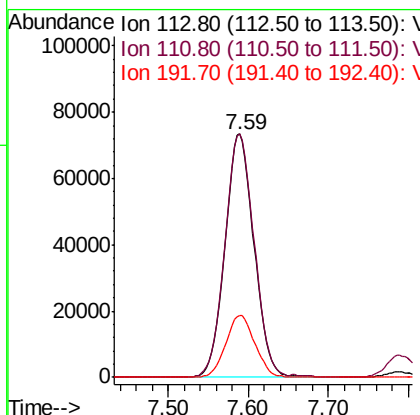
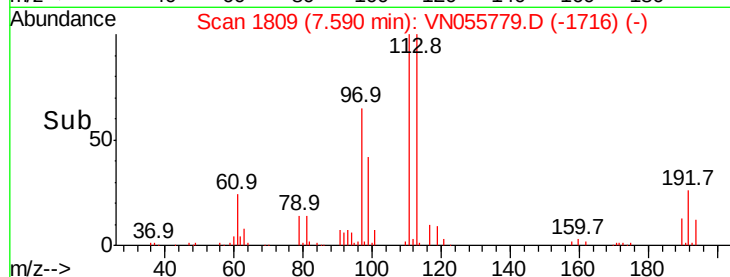
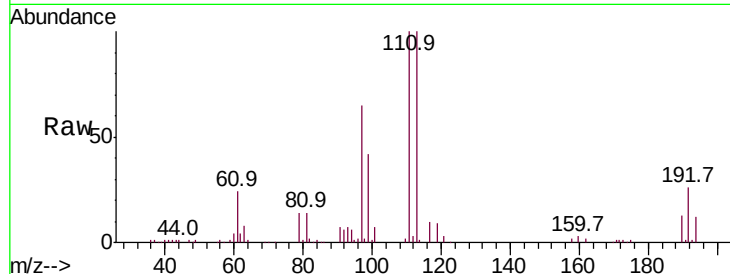
#35
 Dibromofluoromethane
 Concen: 50.586 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182014		
111	100.7	81.9	122.9	
192	25.6	19.5	29.3	

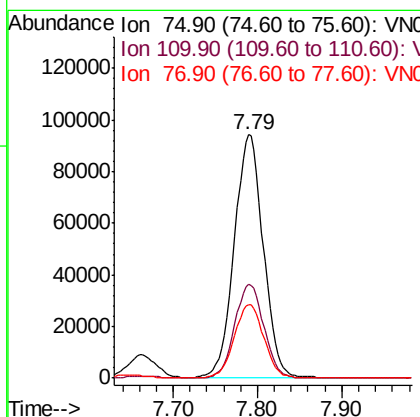
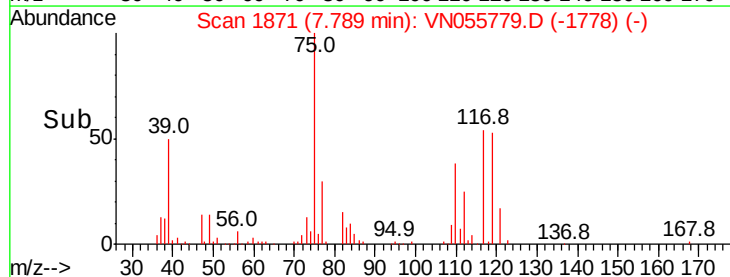
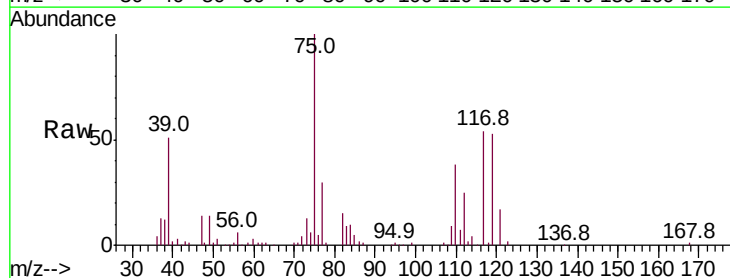
Manual Integrations
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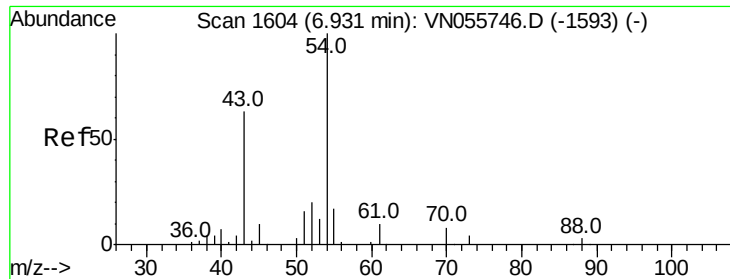
MMDadoda
 5/24/2019 9:53:13 AM



#36
 1,1-Dichloropropene
 Concen: 45.560 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225960		
110	38.9	19.0	57.0	
77	31.2	25.1	37.7	





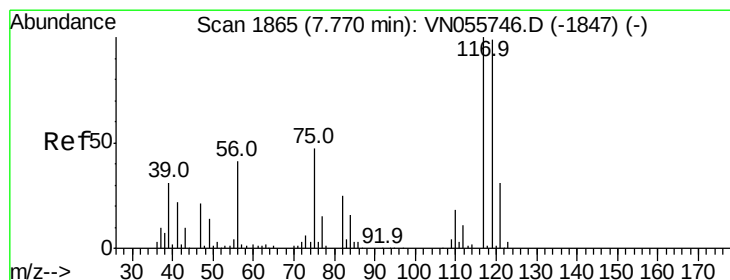
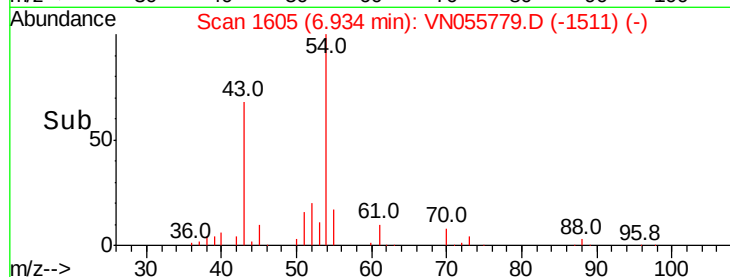
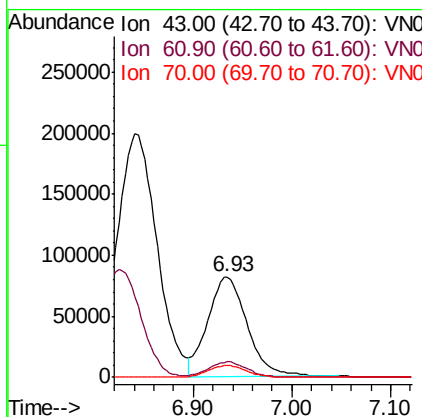
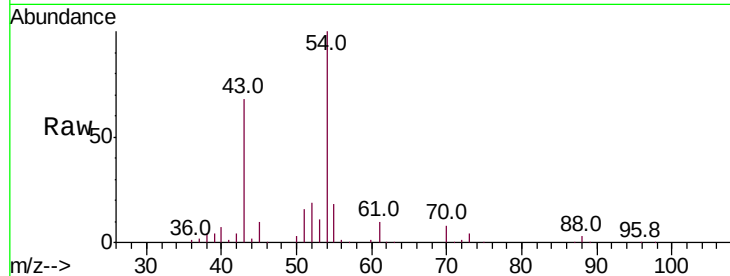
#37
Ethyl Acetate
Concen: 47.700 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	100	Resp	228650
Ion	43	100		Lower	Upper
	61	14.9		12.2	18.2
	70	11.6		8.9	13.3

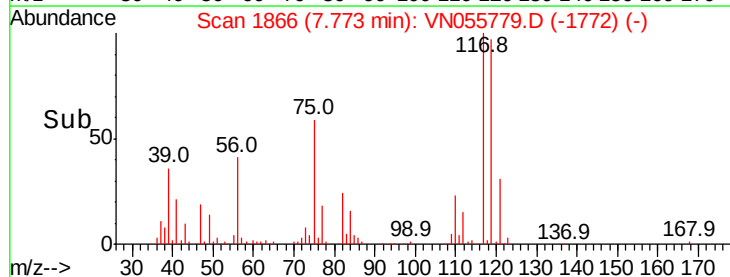
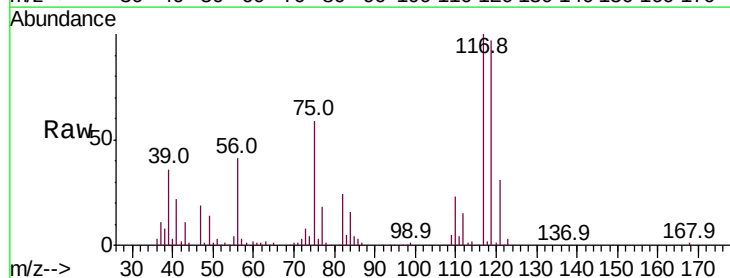
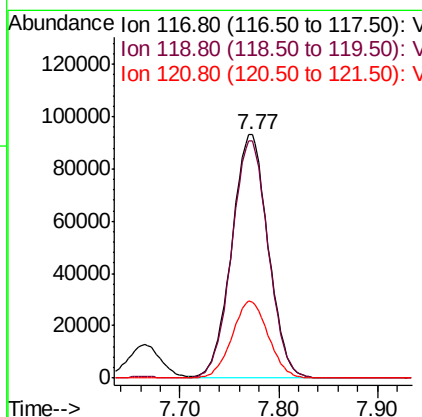
Manual Integrations
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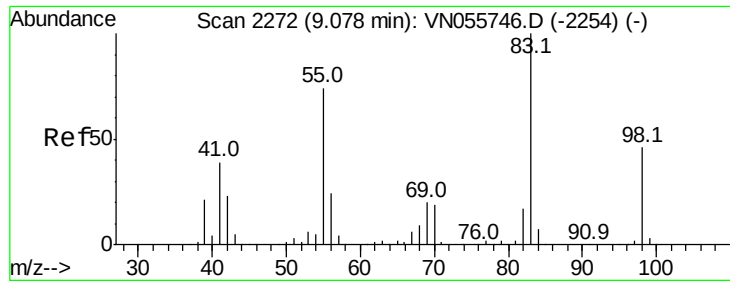
MMDadoda
5/24/2019 9:53:13 AM



#38
Carbon Tetrachloride
Concen: 46.427 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	117	Ratio	100	Resp	239846
Ion	117	100		Lower	Upper
	119	97.3		79.0	118.6
	121	31.4		24.7	37.1





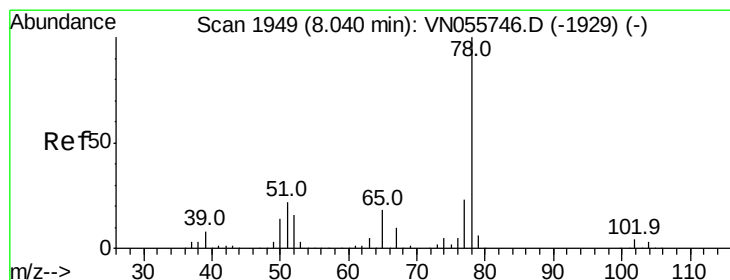
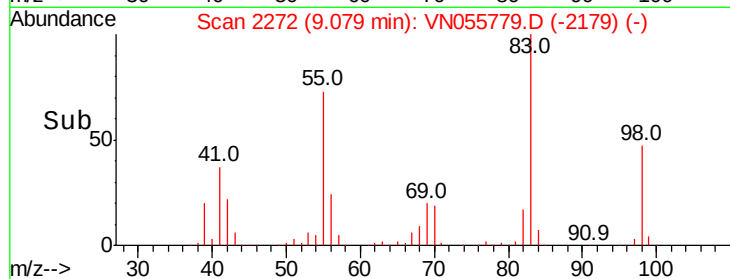
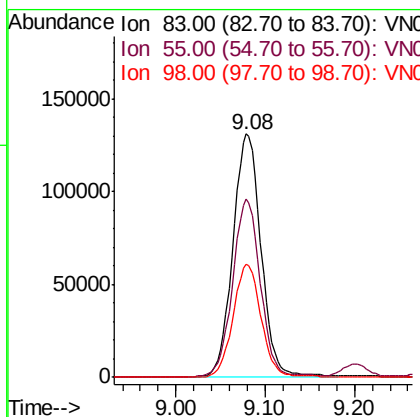
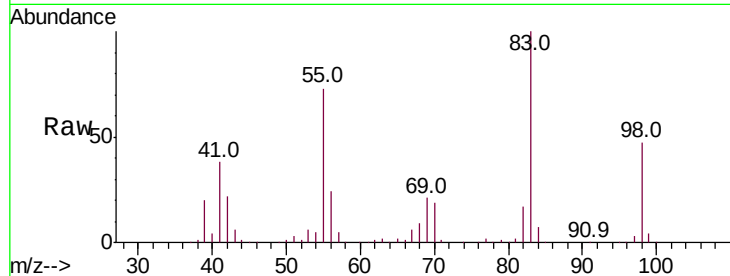
#39
Methylvlcyclohexane
Concen: 46.817 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	59.3	88.9
98	46.6	36.6	54.8

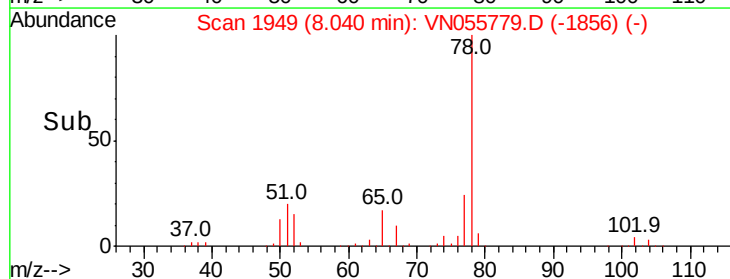
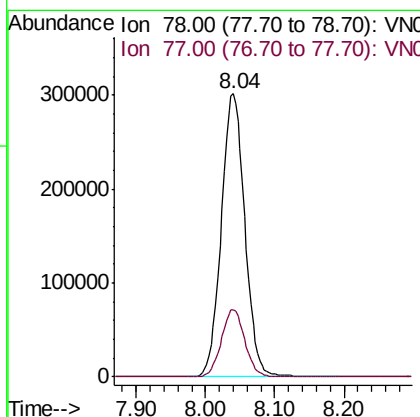
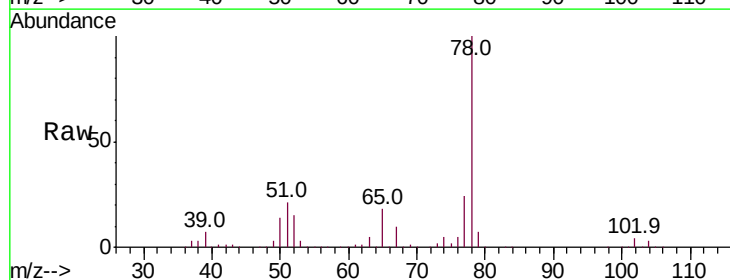
Manual Integrations
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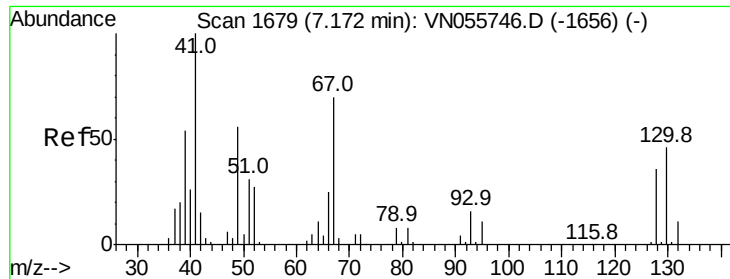
MMDadoda
5/24/2019 9:53:13 AM



#40
Benzene
Concen: 47.661 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.8	28.2





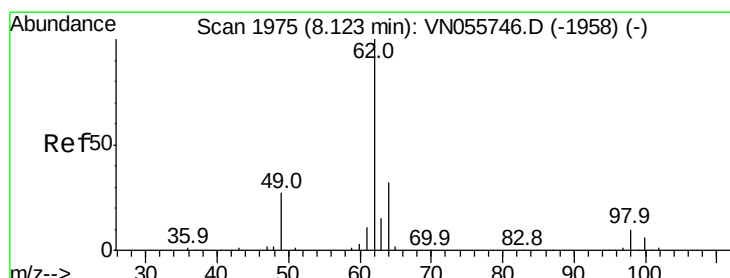
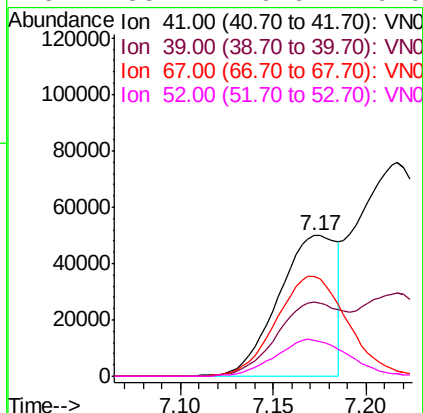
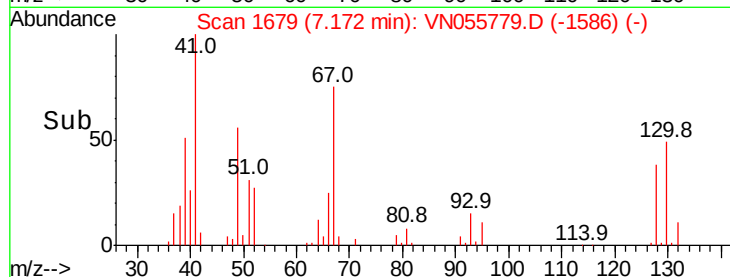
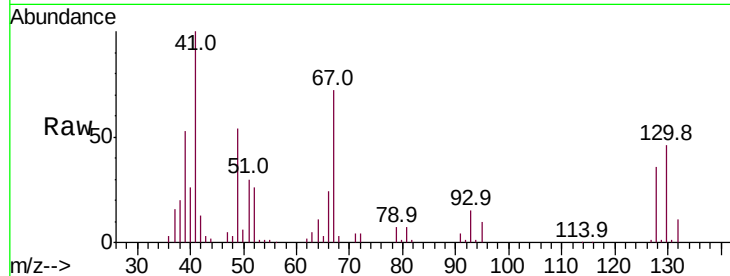
#41
Methacrylonitrile
Concen: 45.239 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.1	45.6	68.4
67	87.7	67.7	101.5
52	33.4	26.6	40.0

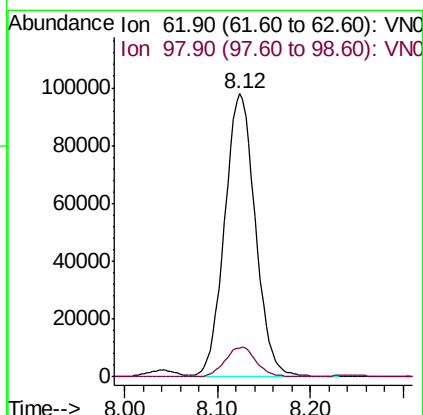
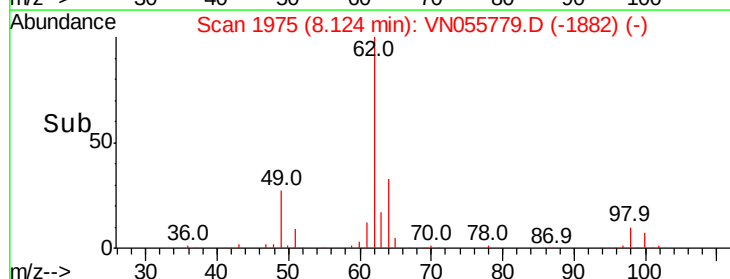
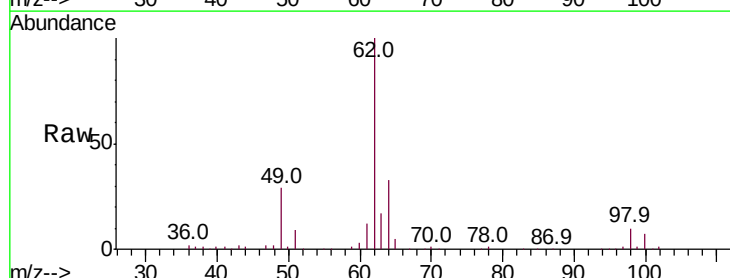
Manual Integrations
APPROVED

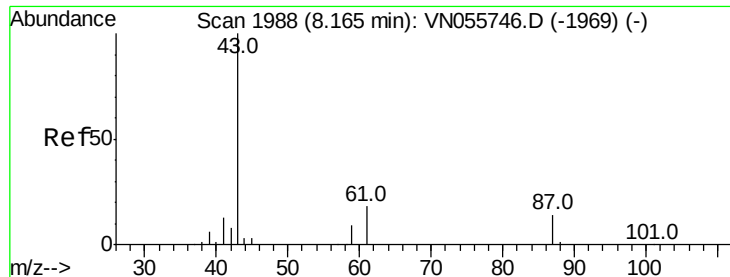
MMDadoda
5/24/2019 9:53:13 AM



#42
1,2-Dichloroethane
Concen: 45.876 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.228 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 388425

Ion Ratio Lower Upper

43 100

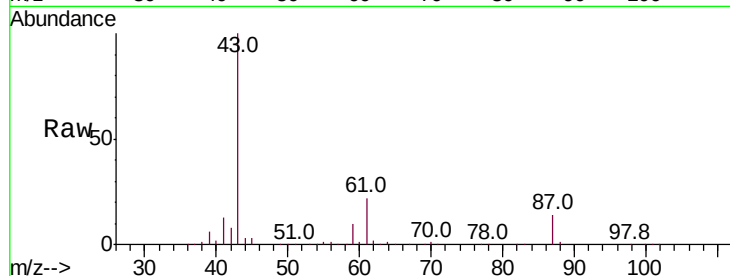
61 22.1 22.2 33.4#

87 14.3 11.4 17.2

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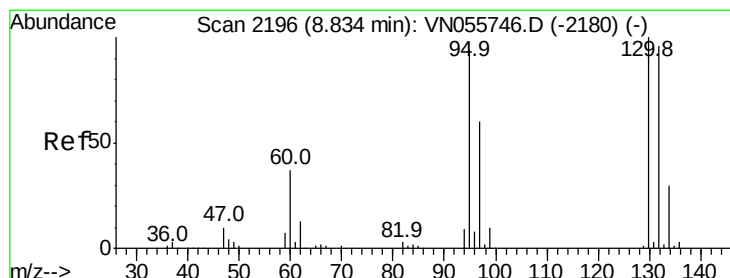
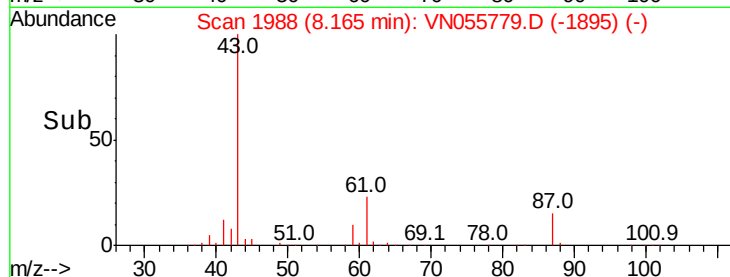
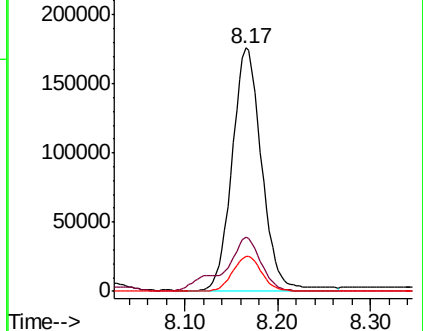
5/24/2019 9:53:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)



#44

Trichloroethene

Concen: 50.467 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055779.D

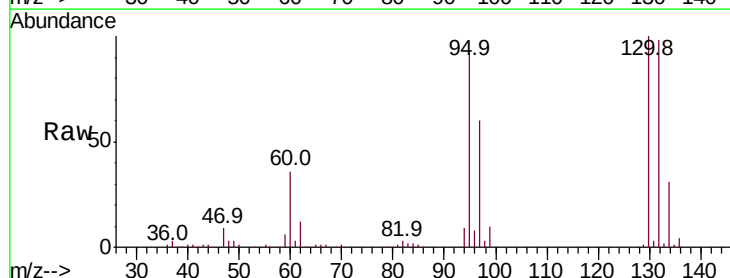
Acq: 24 May 2019 1:58

Tgt Ion:130 Resp: 210297

Ion Ratio Lower Upper

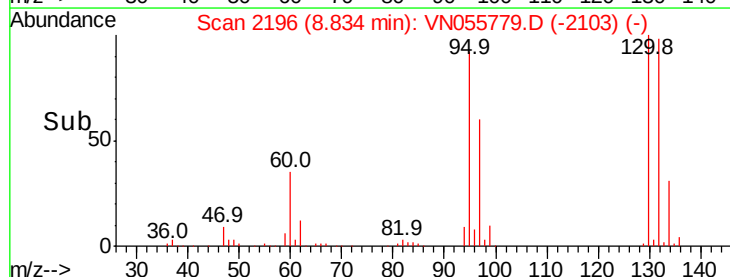
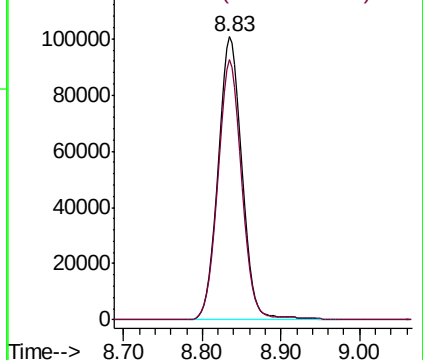
130 100

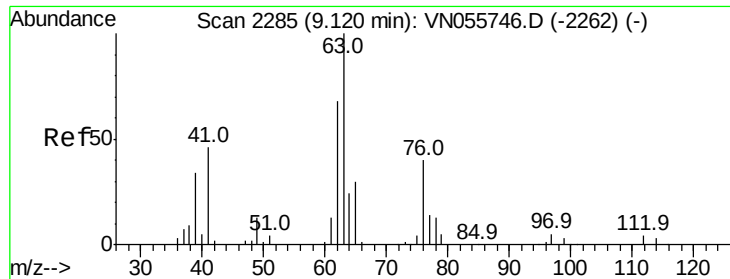
95 91.9 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)





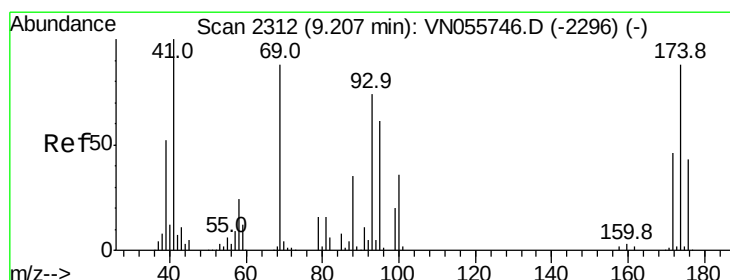
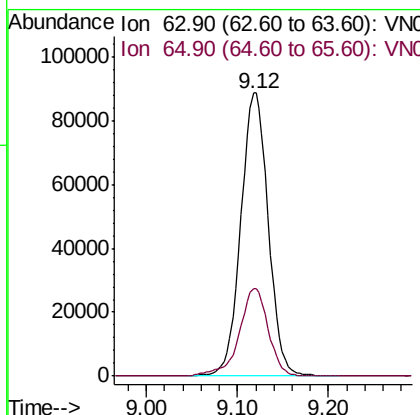
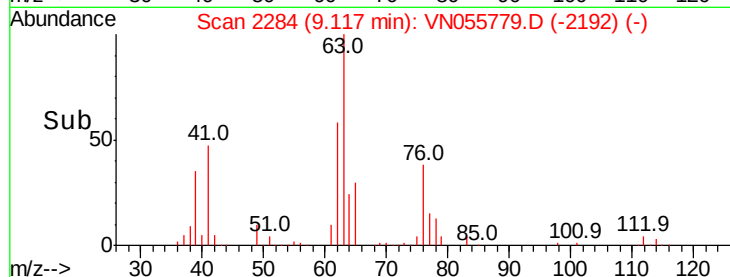
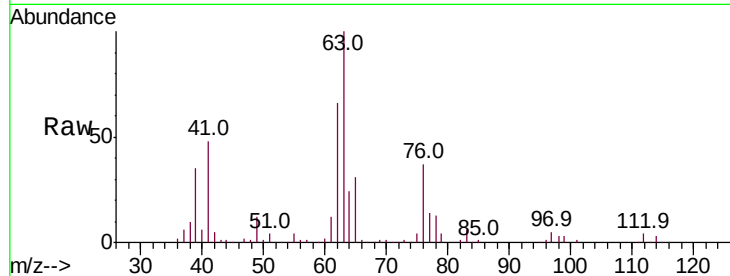
#45
 1,2-Dichloropropane
 Concen: 47.725 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.6	36.8

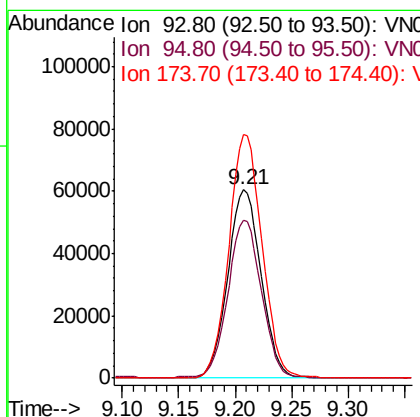
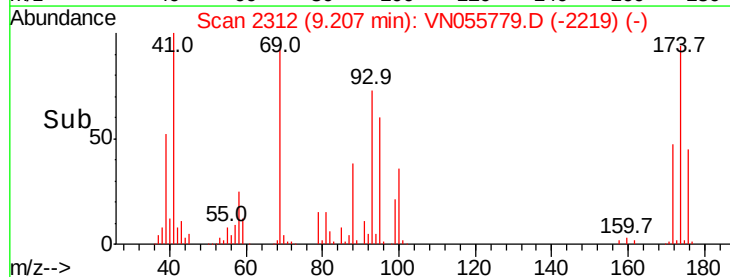
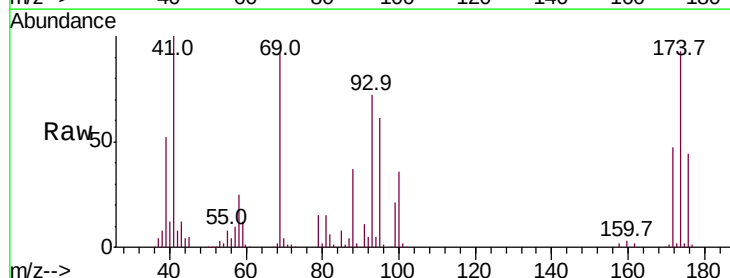
Manual Integrations
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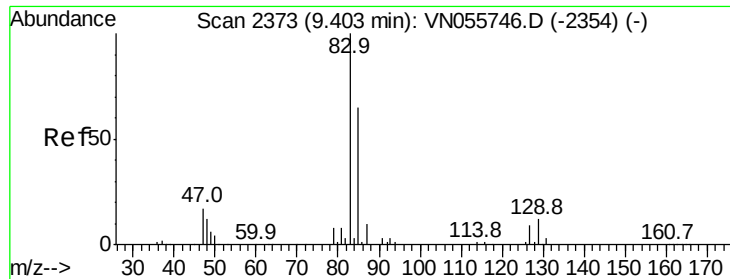
MMDadoda
 5/24/2019 9:53:13 AM



#46
 Dibromomethane
 Concen: 48.584 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.8	66.7	100.1
174	128.7	96.4	144.6





#47

Bromodichloromethane

Concen: 46.708 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

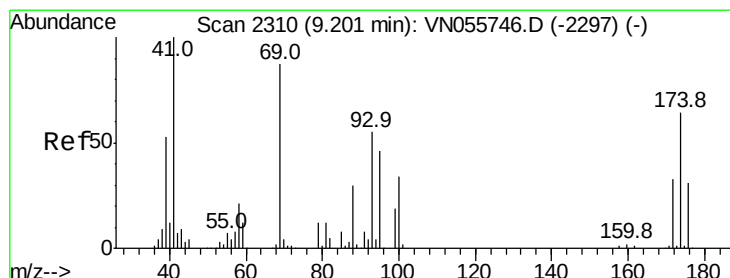
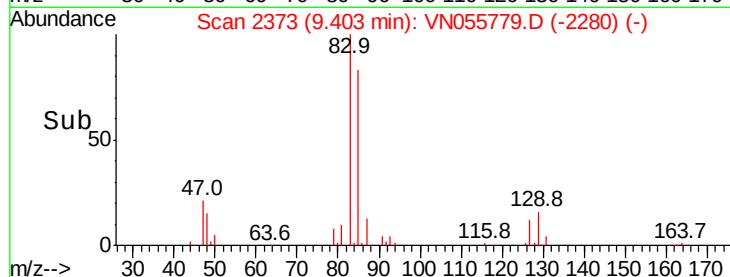
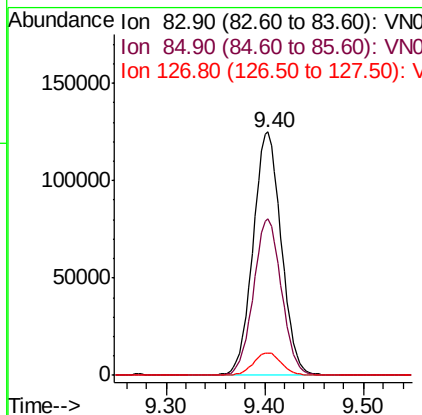
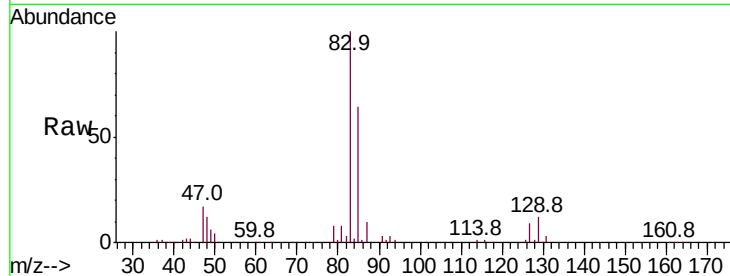
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	244610
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.2	78.2
127	9.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 48.063 ug/l

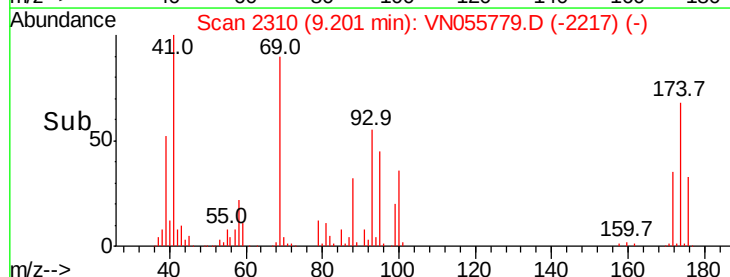
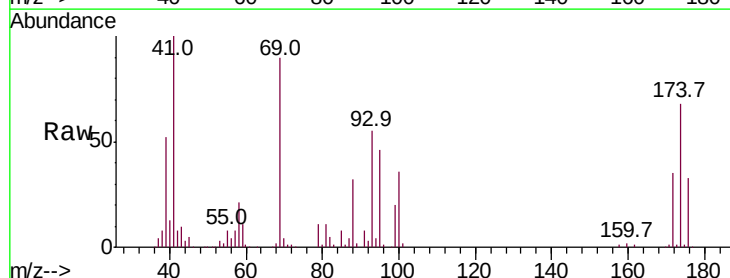
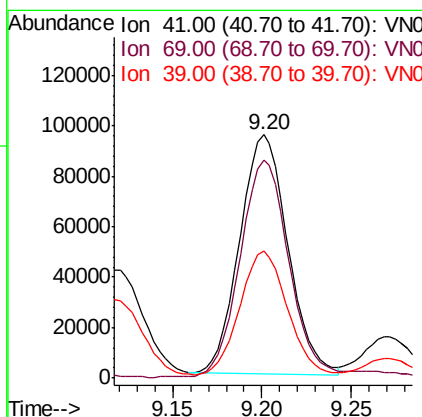
RT: 9.20 min Scan# 2310

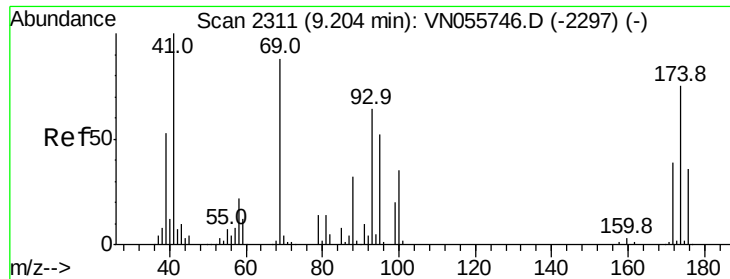
Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion:	41	Resp:	178403
Ion Ratio	Lower	Upper	
41	100		
69	91.9	71.0	106.6
39	53.8	44.2	66.2





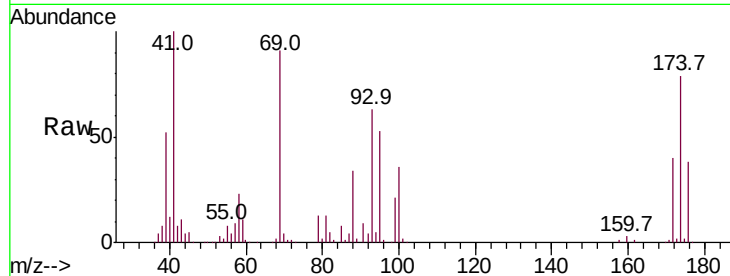
#49
 1,4-Dioxane
 Concen: 1015.419 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

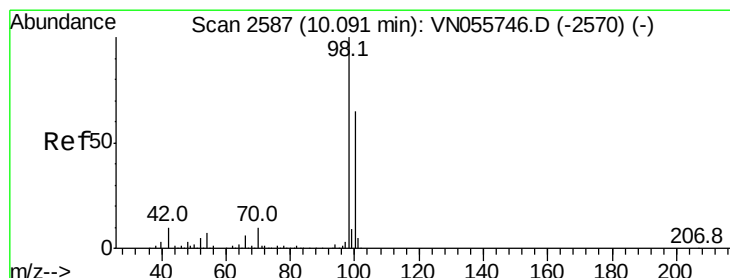
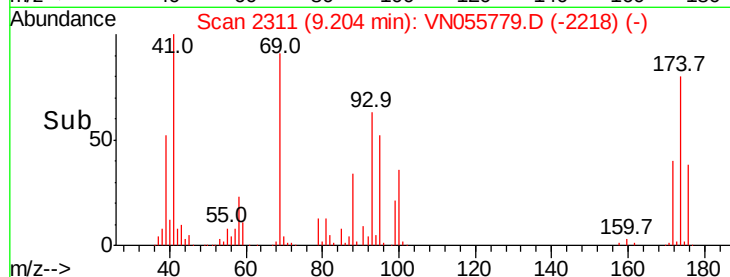
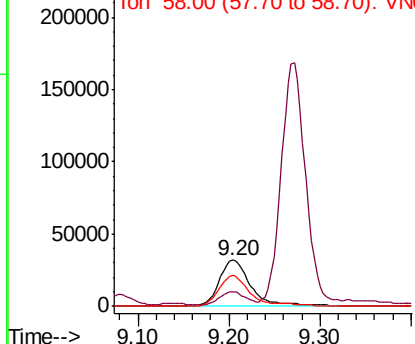
Tot Ion	88	Resp	78324
Ion	Ratio	Lower	Upper
88	100		
43	22.9	20.5	30.7
58	62.5	55.8	83.6

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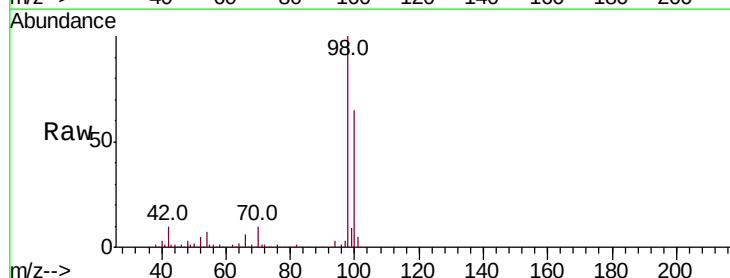


Abundance Ion 88.00 (87.70 to 88.70): VN055779.D (-2218) (-)
 Ion 43.00 (42.70 to 43.70): VN055779.D (-2218) (-)
 Ion 58.00 (57.70 to 58.70): VN055779.D (-2218) (-)

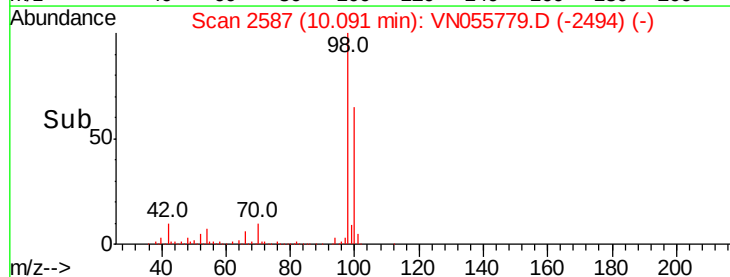
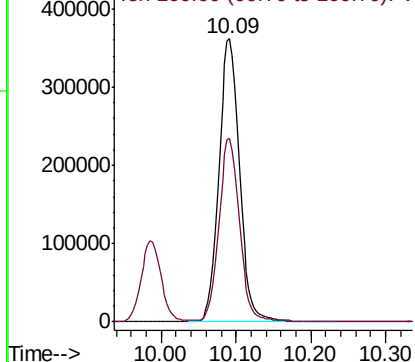


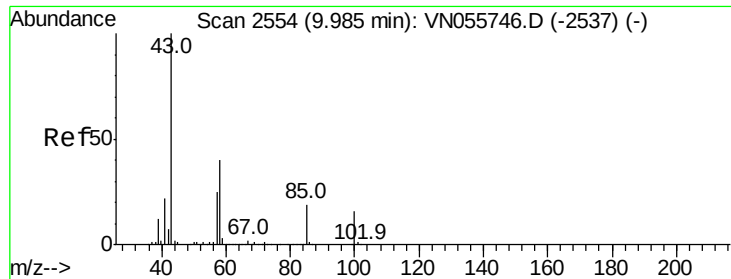
#50
 Toluene-d8
 Concen: 50.143 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	98	Resp	692083
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055779.D (-2494) (-)
 Ion 100.00 (99.70 to 100.70): VN055779.D (-2494) (-)





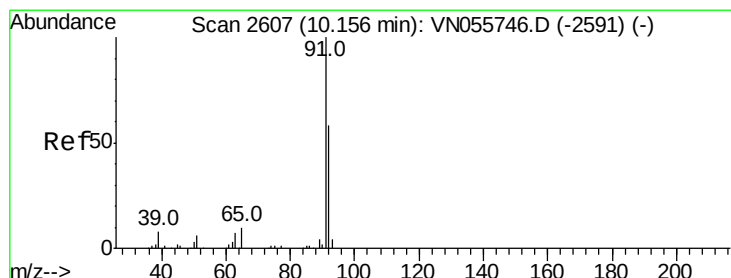
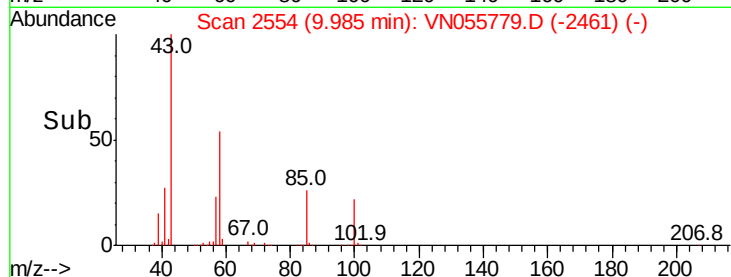
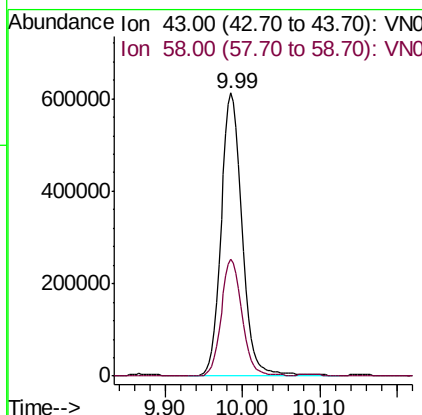
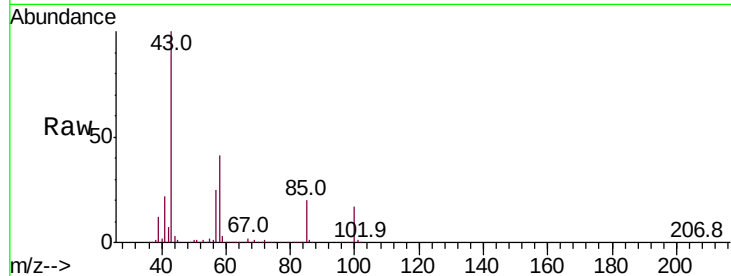
#51
 4-Methyl-2-Pentanone
 Concen: 244.065 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1160919
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.1 48.1

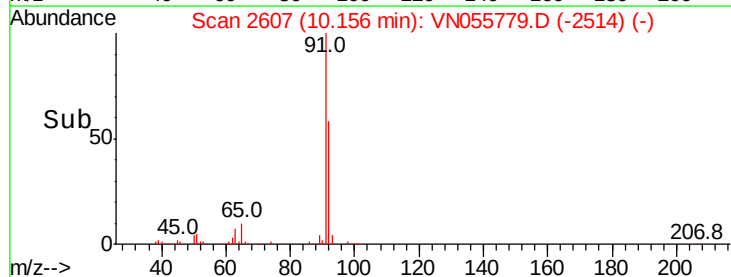
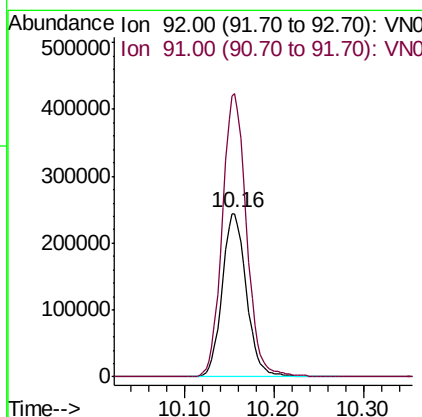
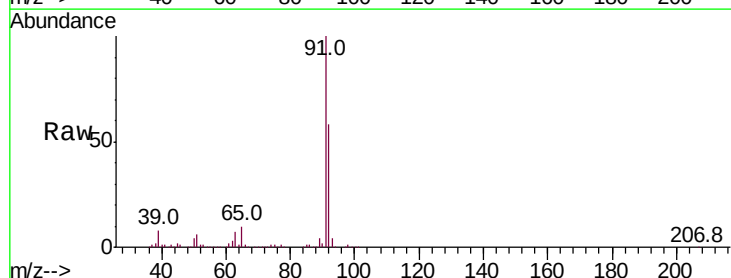
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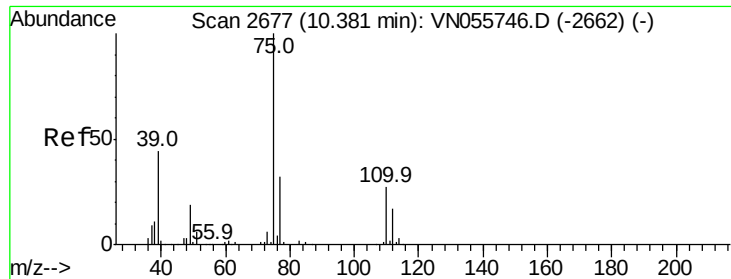
MMDadoda
 5/24/2019 9:53:13 AM



#52
 Toluene
 Concen: 48.943 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 92 Resp: 460104
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.4 209.2





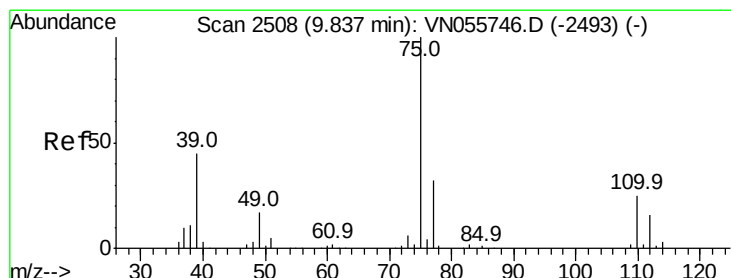
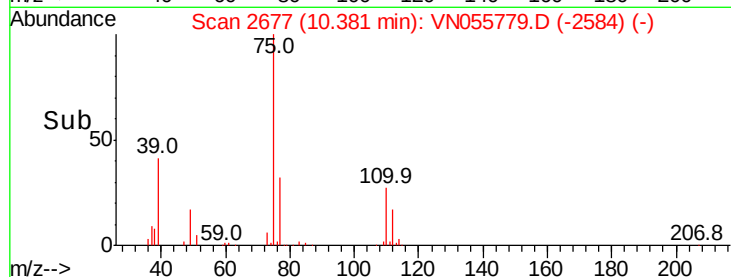
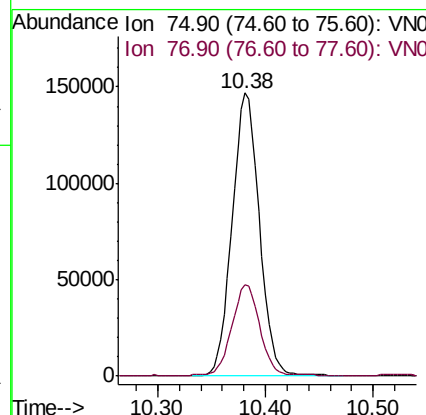
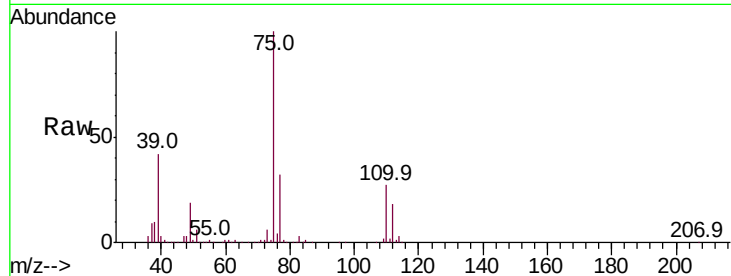
#53
t-1,3-Dichloropropene
Concen: 46.537 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.6

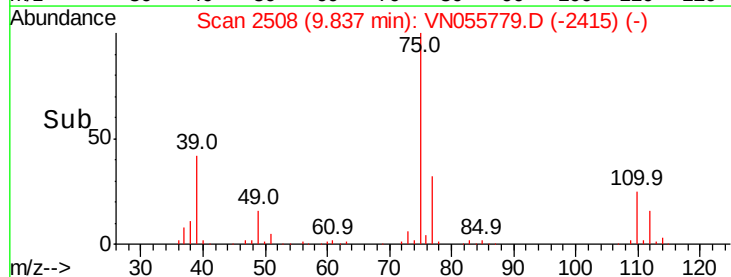
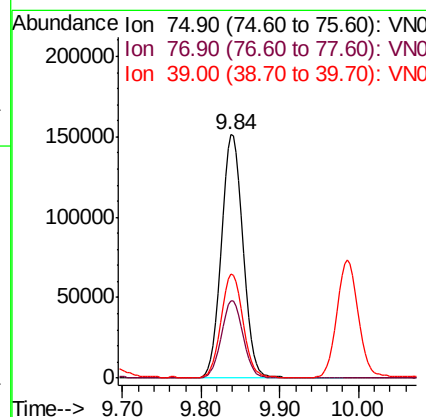
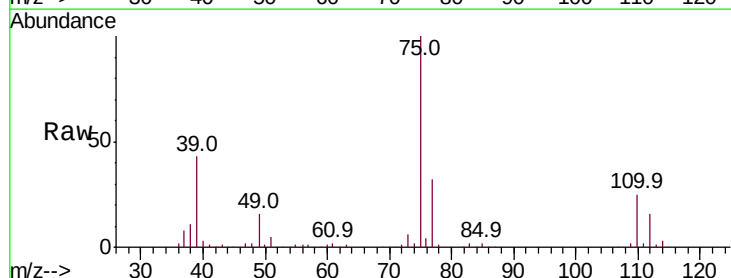
Manual Integrations
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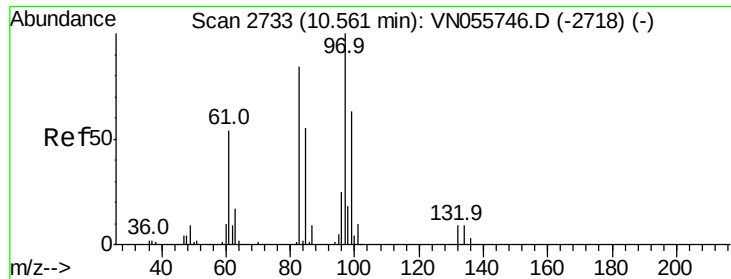
MMDadoda
5/24/2019 9:53:13 AM



#54
cis-1,3-Dichloropropene
Concen: 46.246 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	42.3	36.3	54.5





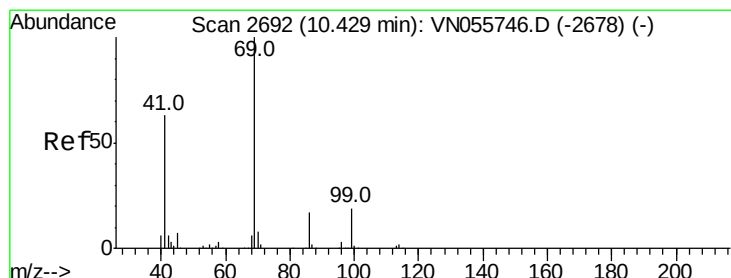
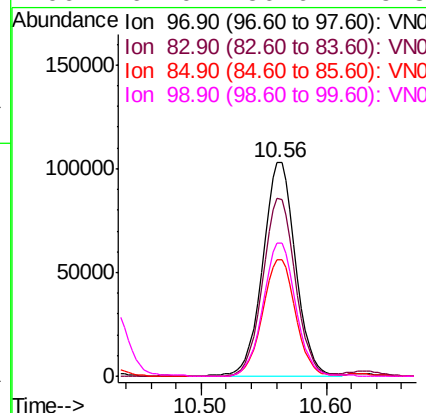
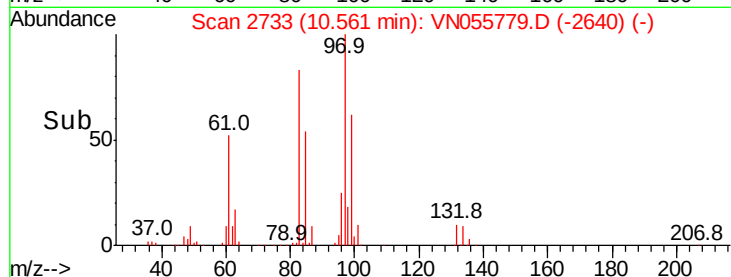
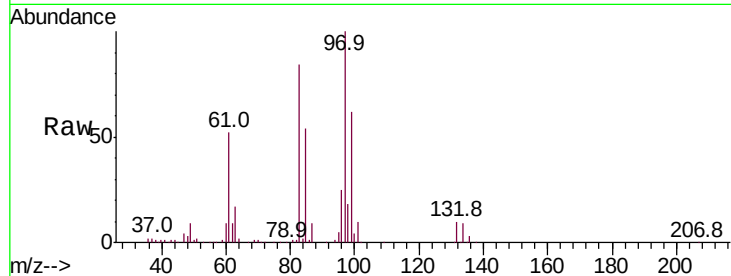
#55
 1,1,2-Trichloroethane
 Concen: 49.717 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	187238
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	54.5	44.0	66.0
99	62.0	50.6	75.8

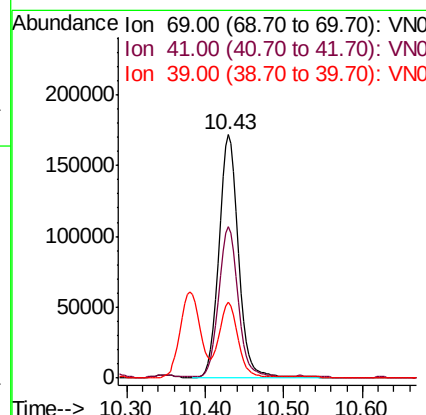
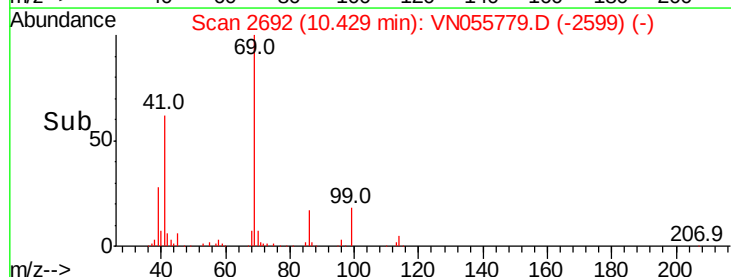
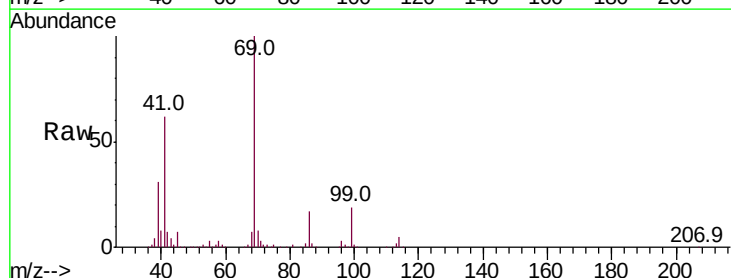
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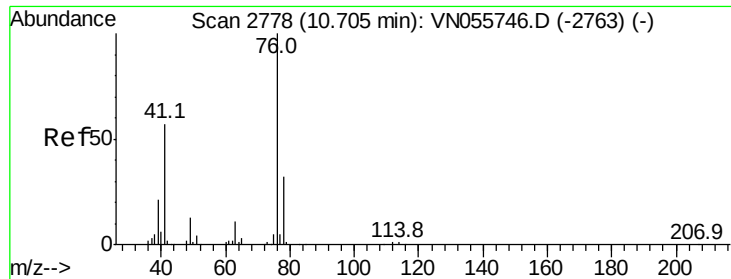
MMDadoda
 5/24/2019 9:53:13 AM



#56
 Ethyl methacrylate
 Concen: 50.127 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion:	69	Resp:	291758
Ion	Ratio	Lower	Upper
69	100		
41	61.2	49.7	74.5
39	30.4	24.7	37.1





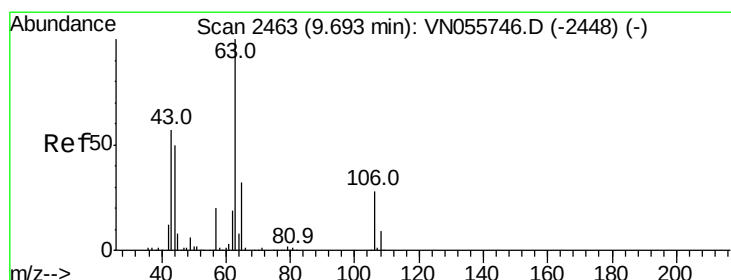
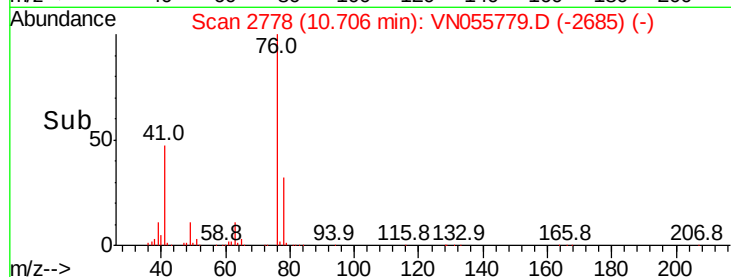
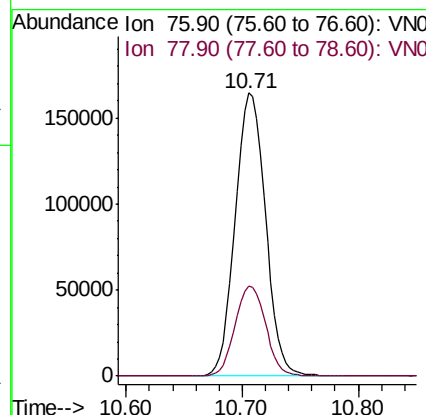
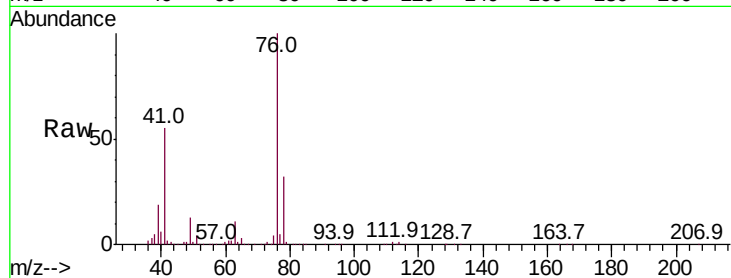
#57
 1,3-Dichloropropane
 Concen: 48.666 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 297914
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6

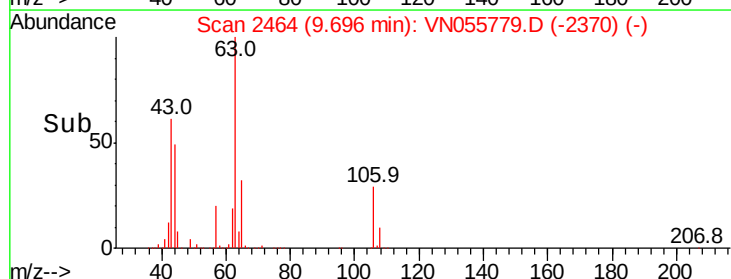
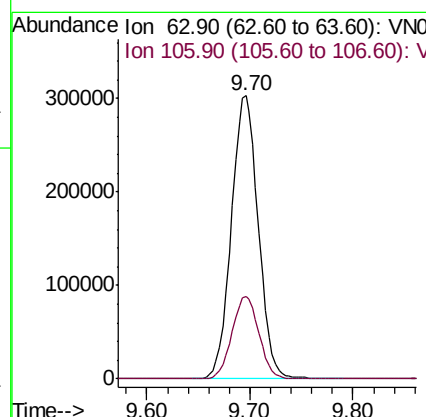
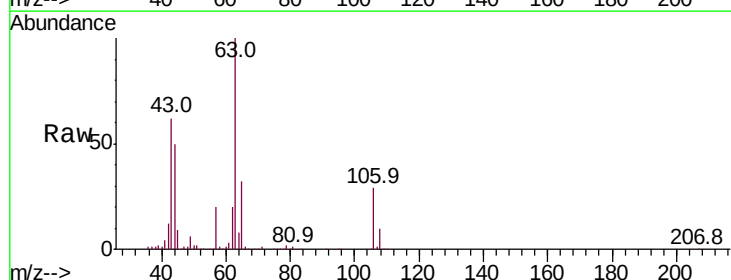
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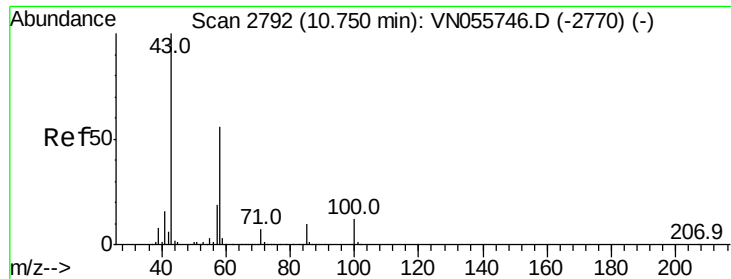
MMDadoda
 5/24/2019 9:53:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.831 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion: 63 Resp: 551248
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.7 34.1





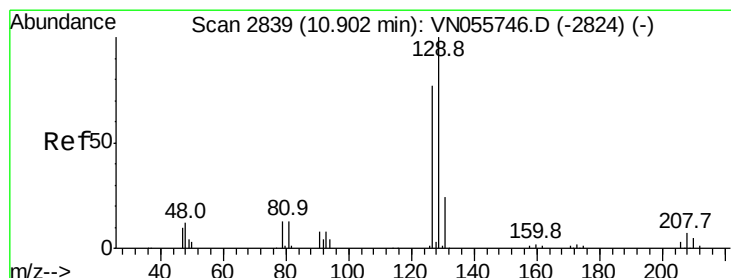
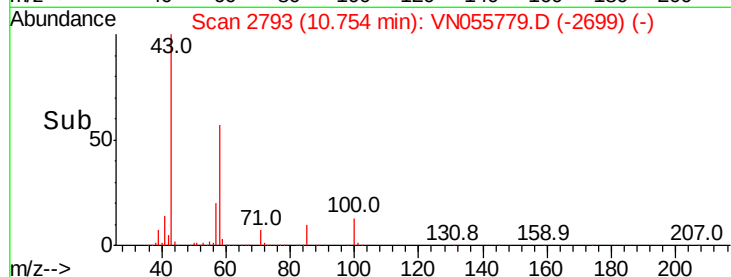
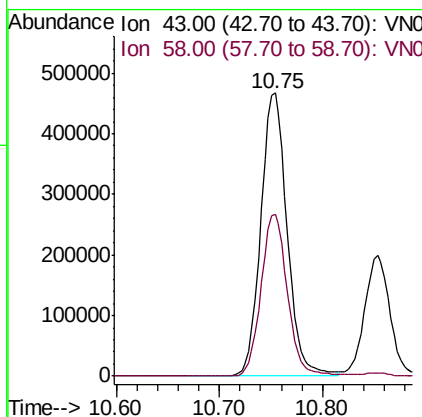
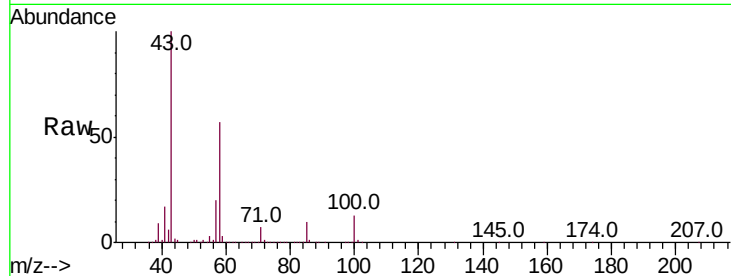
#59
2-Hexanone
Concen: 244.140 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 823819
Ion Ratio Lower Upper
43 100
58 57.4 28.2 84.7

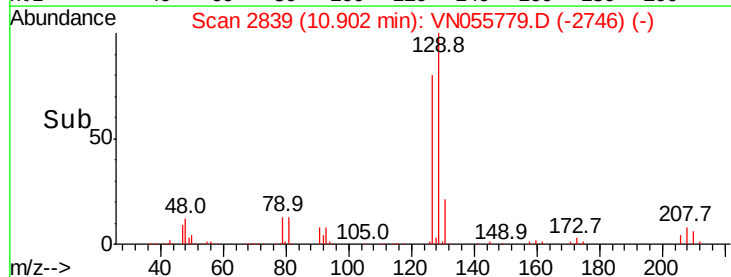
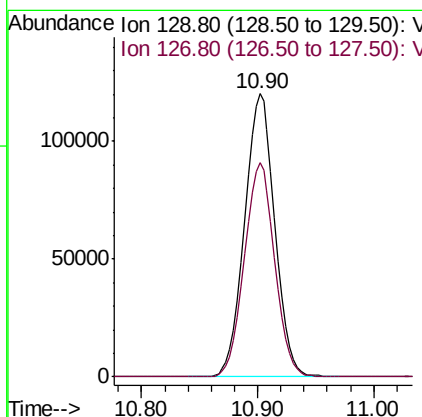
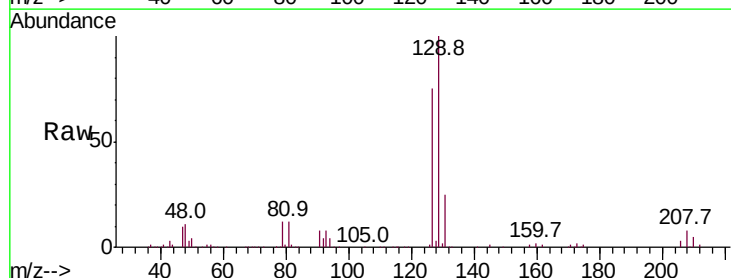
Manual Integrations
APPROVED

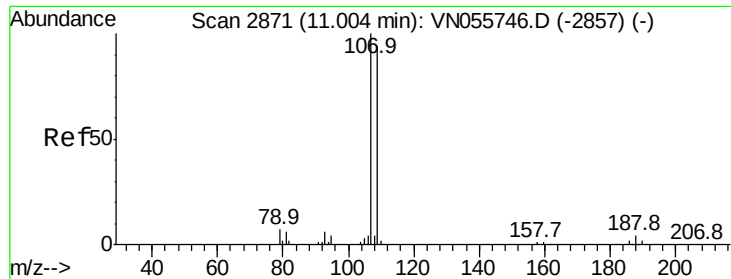
MMDadoda
5/24/2019 9:53:13 AM



#60
Dibromochloromethane
Concen: 49.703 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 129 Resp: 218059
Ion Ratio Lower Upper
129 100
127 75.9 38.1 114.3





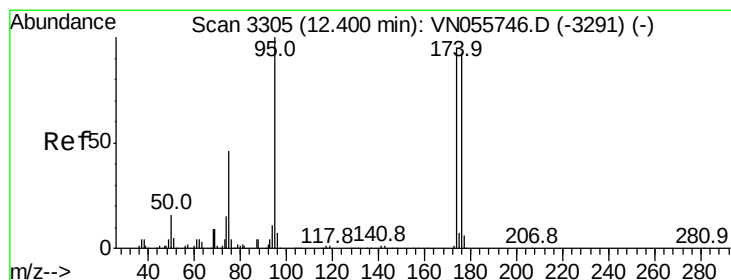
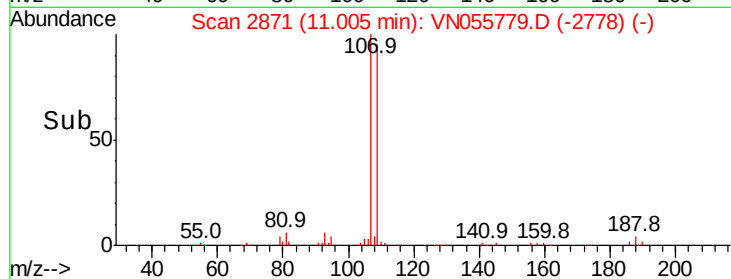
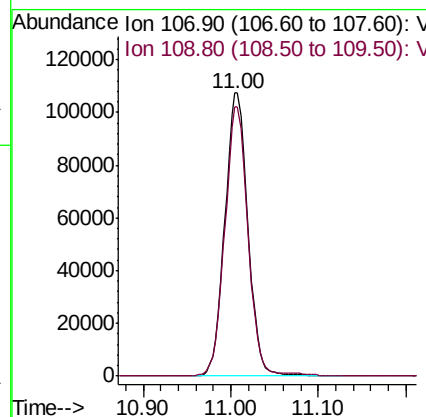
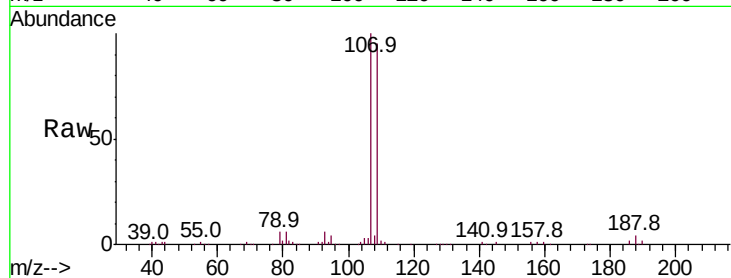
#61
 1,2-Dibromoethane
 Concen: 50.393 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	196852		
109	94.8	74.8	112.2	

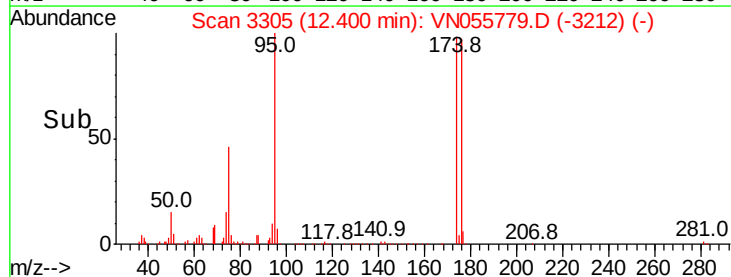
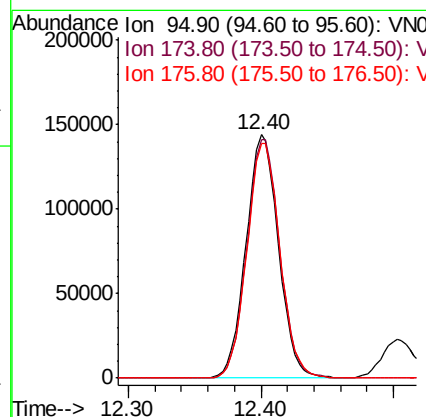
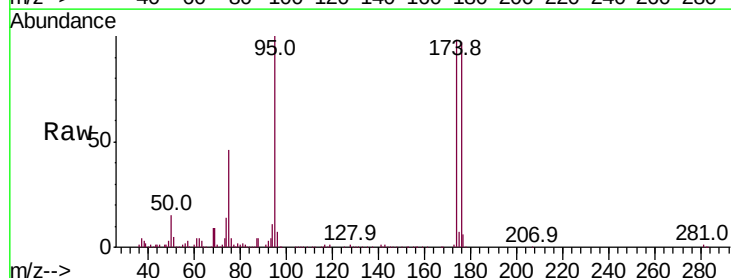
Manual Integrations
 APPROVED

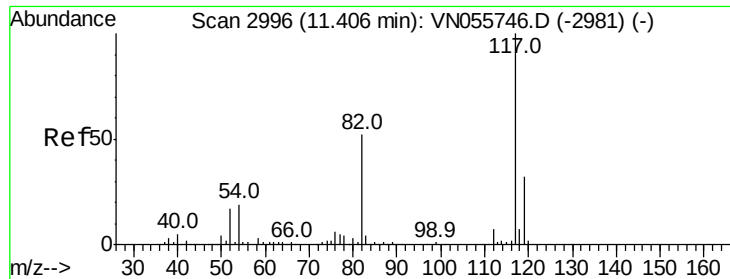
MMDadoda
 5/24/2019 9:53:13 AM



#62
 4-Bromofluorobenzene
 Concen: 51.625 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	244318		
174	99.4	0.0	191.0	
176	98.1	0.0	185.2	





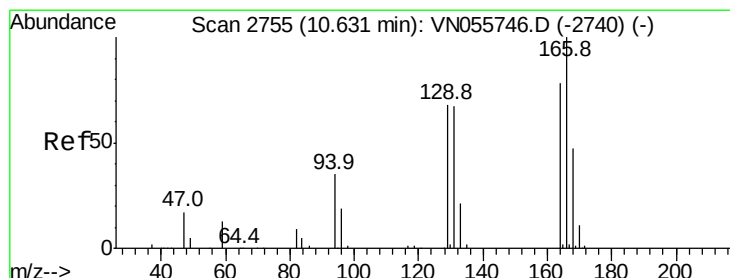
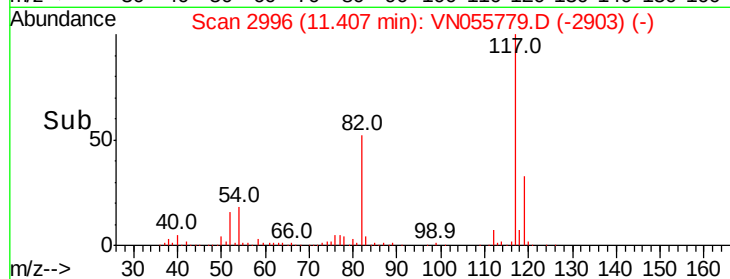
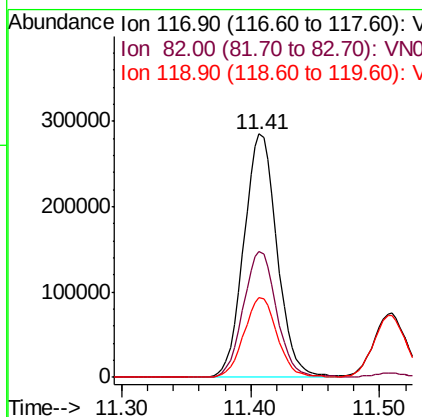
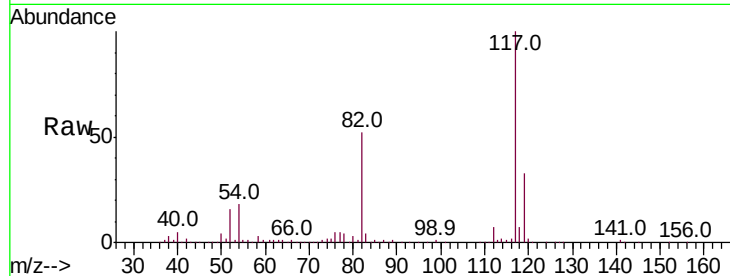
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	511836		
82	51.9	41.8	62.8	
119	32.6	25.4	38.0	

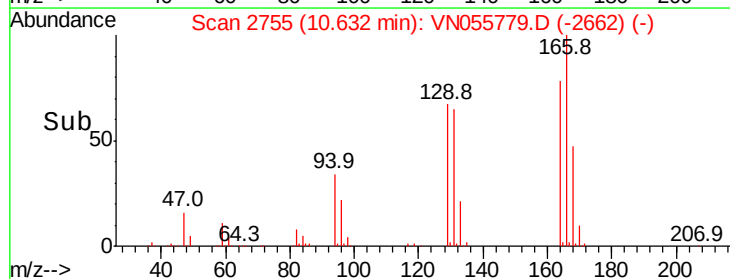
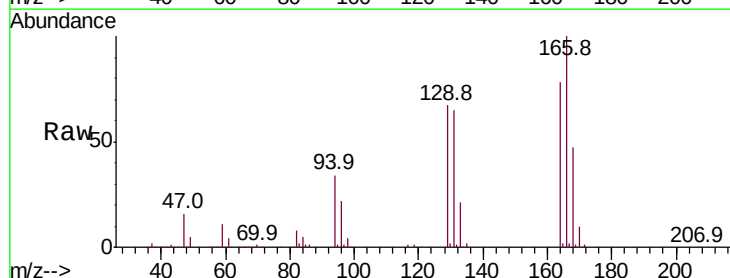
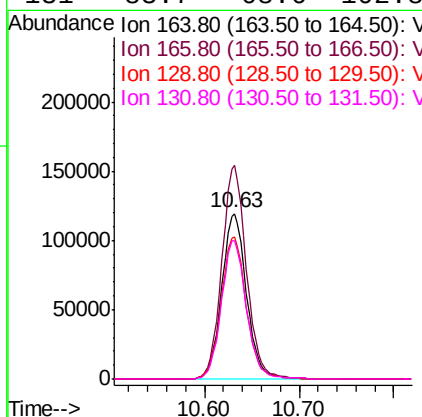
Manual Integrations
APPROVED

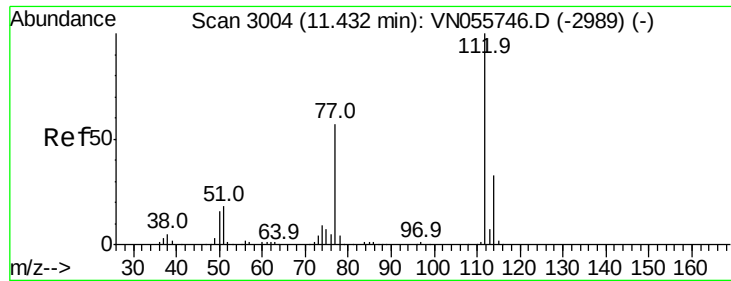
MMDadoda
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#64
Tetrachloroethene
Concen: 50.389 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217525		
166	129.0	103.0	154.6	
129	86.2	70.6	105.8	
131	83.7	68.6	102.8	





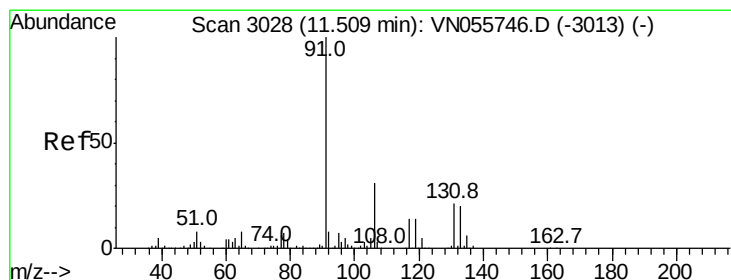
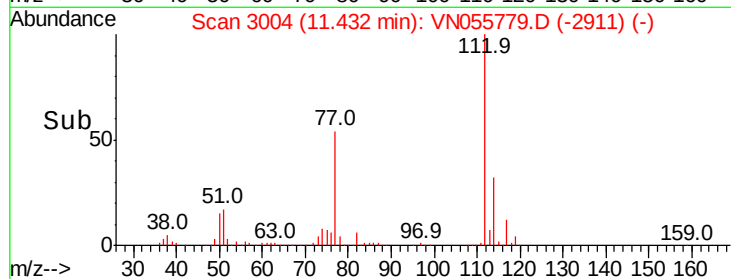
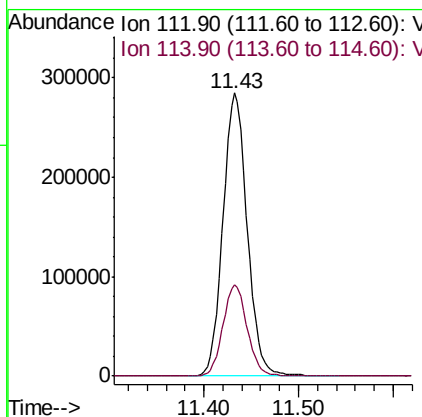
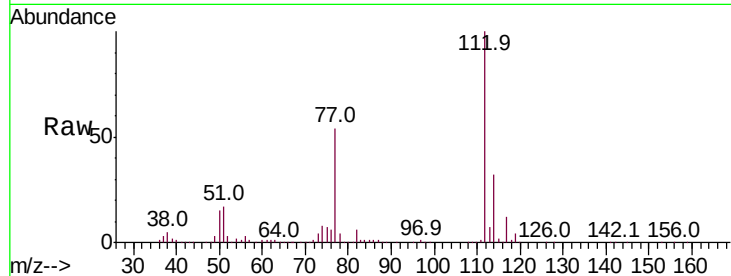
#65
Chlorobenzene
Concen: 49.361 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 505773
Ion Ratio Lower Upper
112 100
114 32.5 26.2 39.4

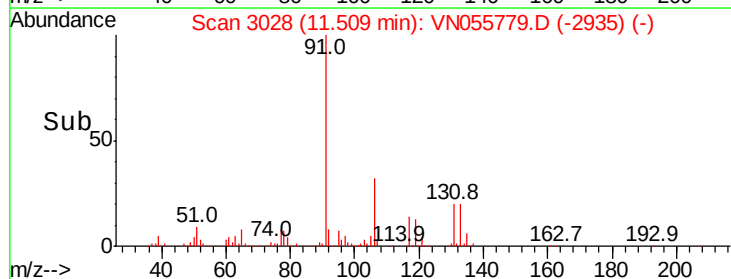
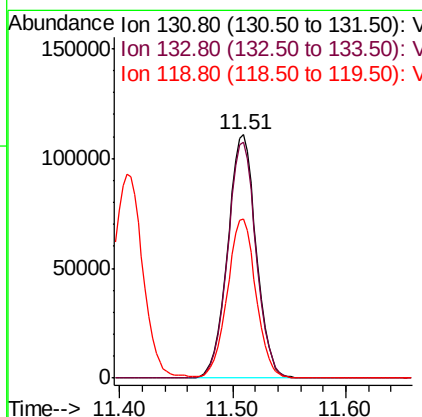
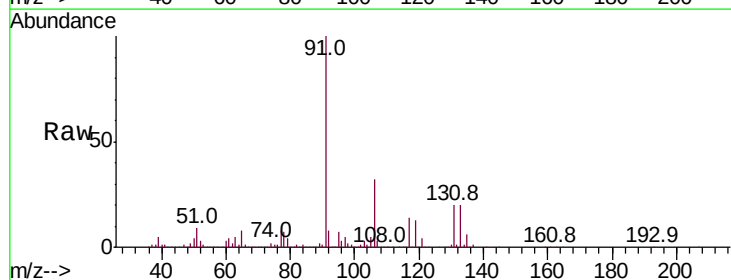
Manual Integrations
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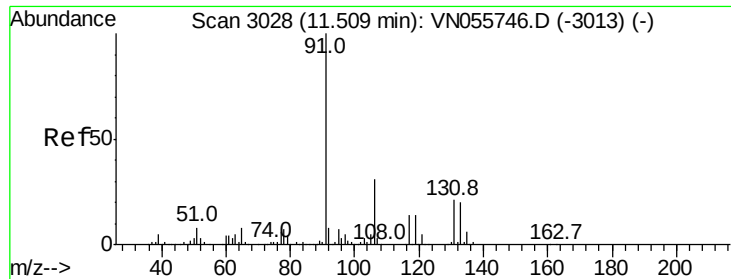
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.542 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion:131 Resp: 194286
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 65.4 33.1 99.5





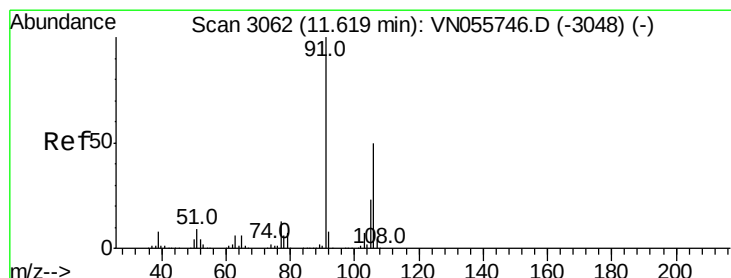
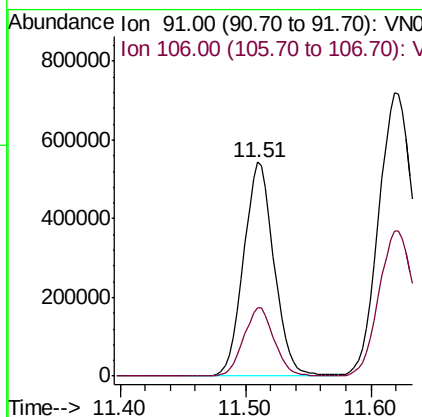
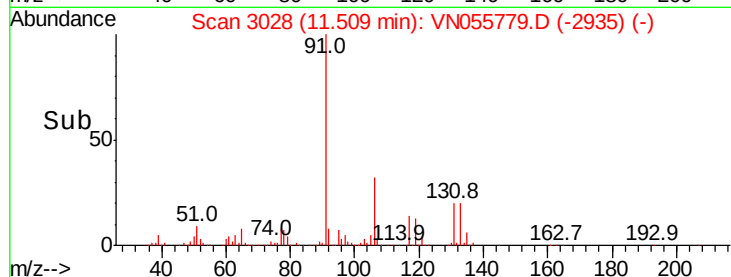
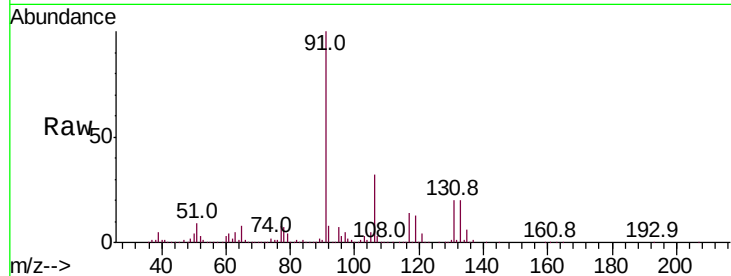
#67
Ethyl Benzene
Concen: 50.142 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 921353
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7

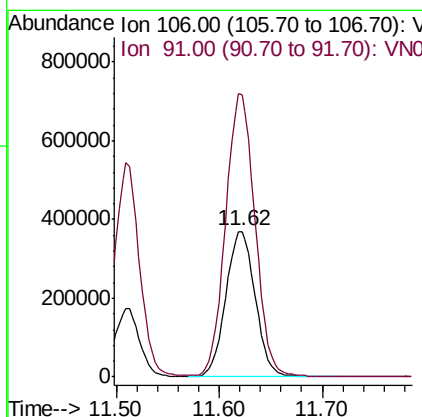
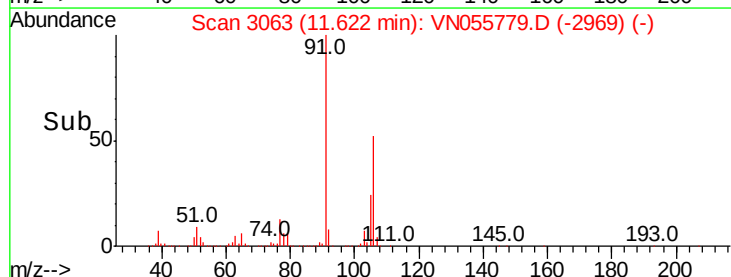
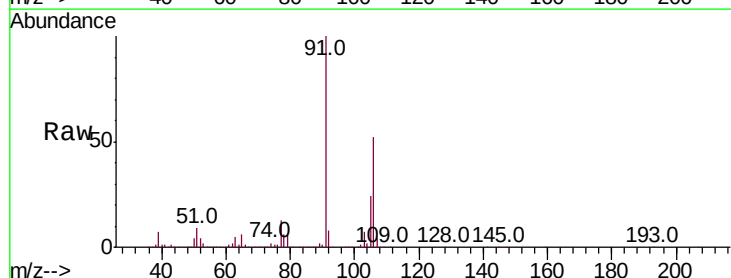
Manual Integrations
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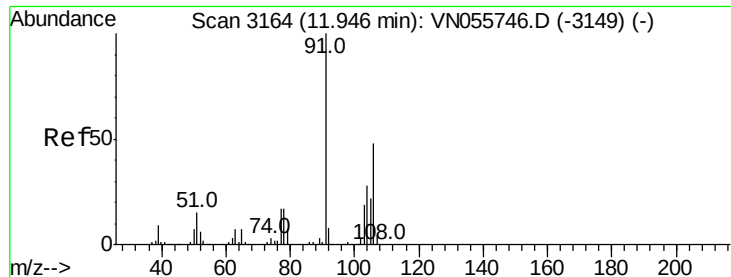
MMDadoda
5/24/2019 9:53:13 AM



#68
m/p-Xylenes
Concen: 105.575 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion: 106 Resp: 733377
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9





#69

o-Xylene

Concen: 49.025 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 337874

Ion Ratio Lower Upper

106 100

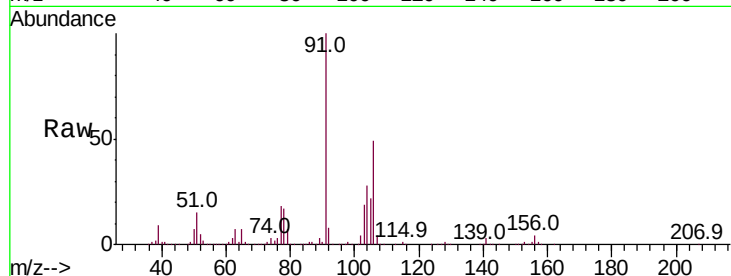
91 206.3 104.7 314.1

Manual Integrations

APPROVED

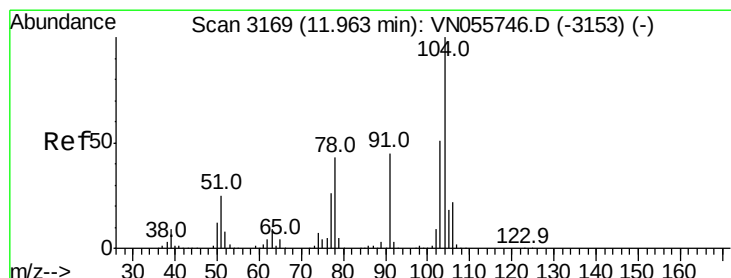
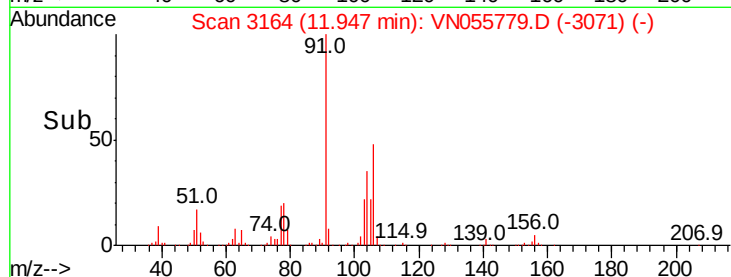
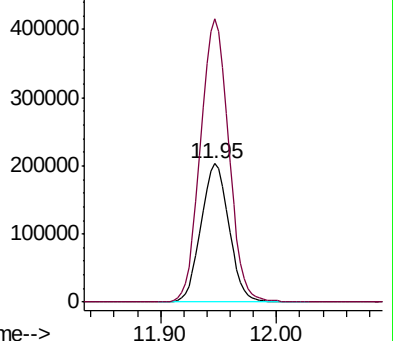
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 50.654 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

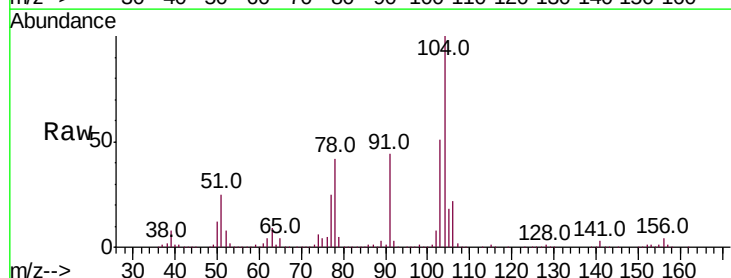
Tgt Ion:104 Resp: 565336

Ion Ratio Lower Upper

104 100

78 46.8 37.8 56.6

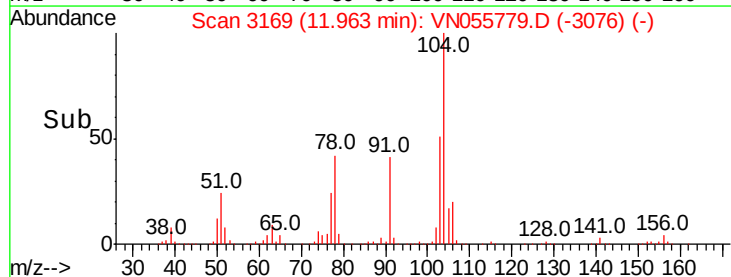
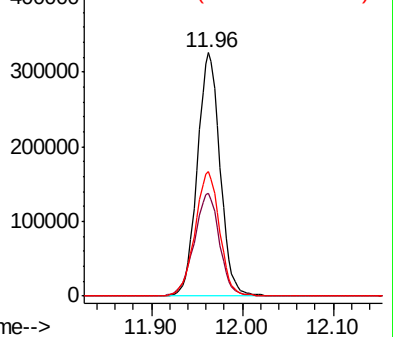
103 55.2 44.2 66.2

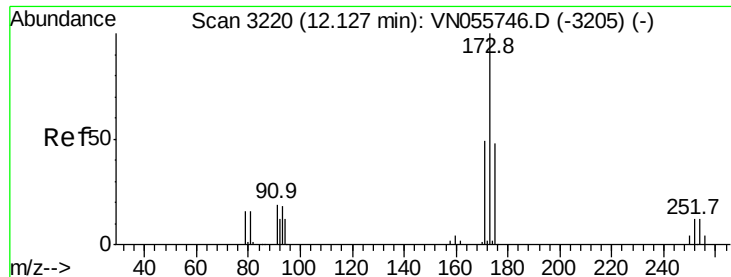


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





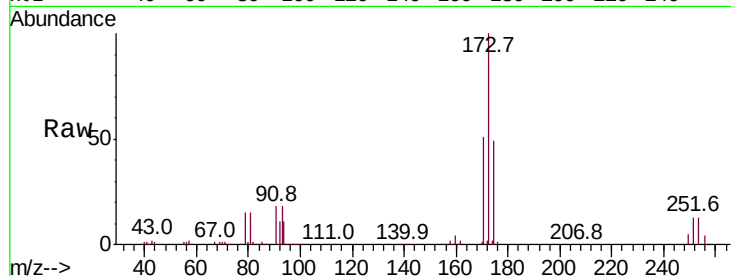
#71
Bromoform
Concen: 50.619 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

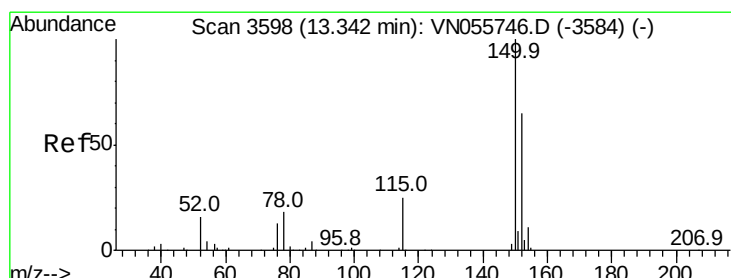
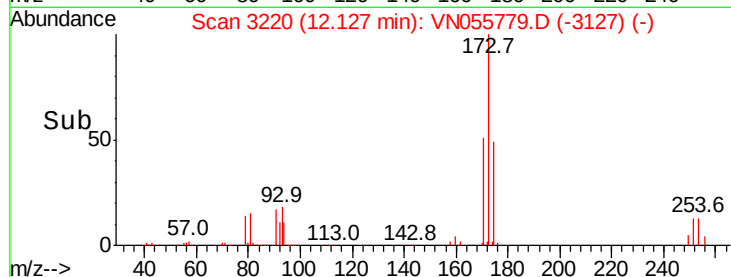
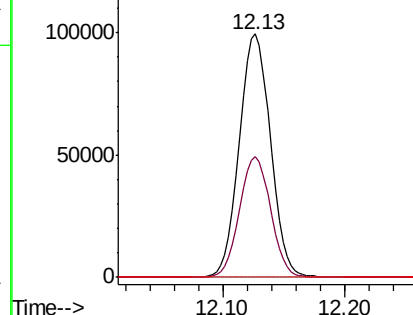
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.3	72.8
254	0.0	0.0	0.0

Manual Integrations
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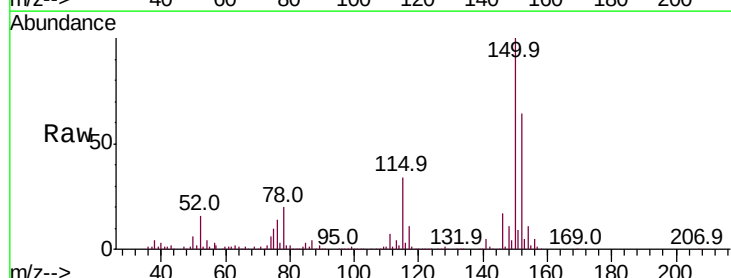


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

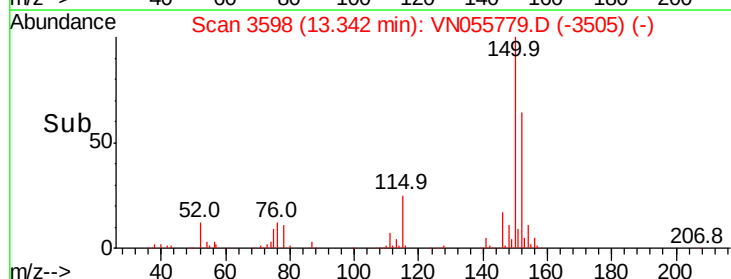
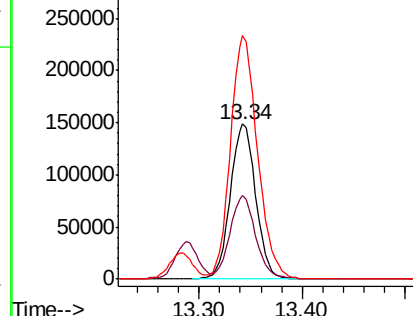


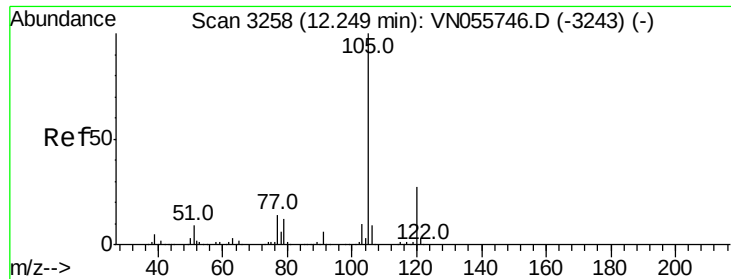
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.0	81.0
150	167.1	0.0	343.2



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





#73

Isopropylbenzene

Concen: 49.337 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 898814

Ion Ratio Lower Upper

105 100

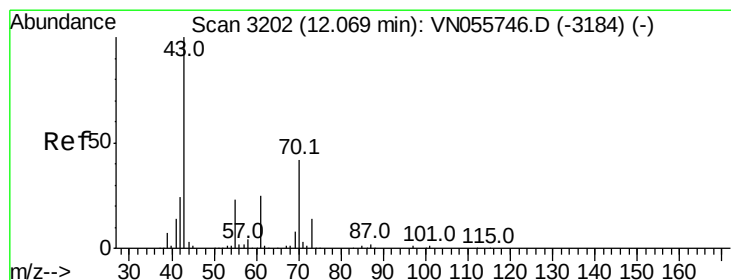
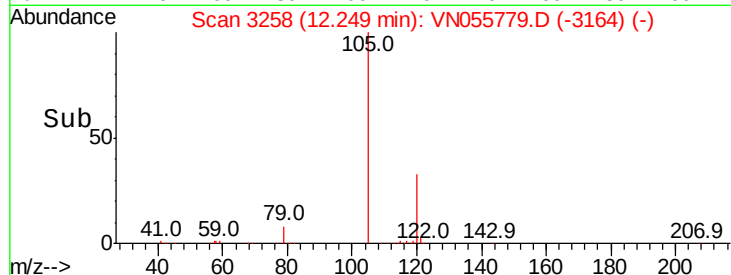
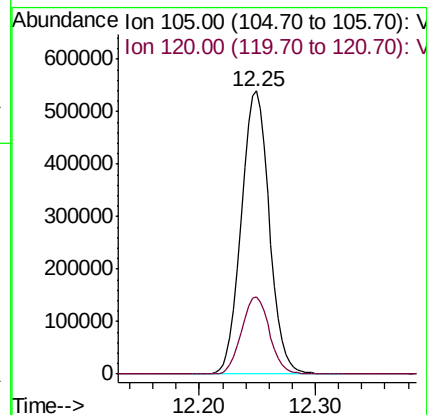
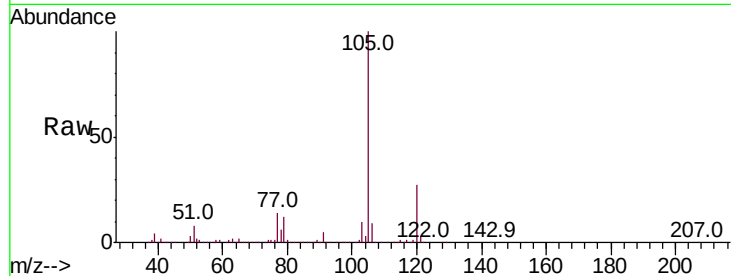
120 27.4 13.6 40.7

Manual Integrations

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5/24/2019 9:53:13 AM



#74

N-ethyl acetate

Concen: 46.928 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion: 43 Resp: 326194

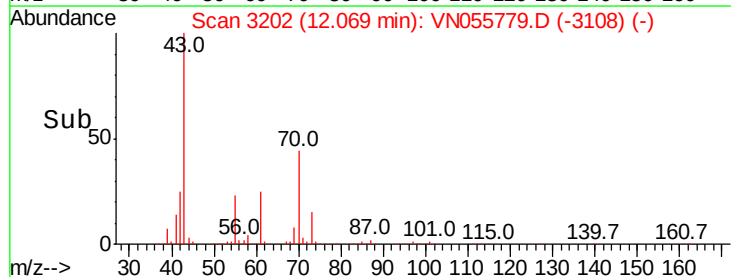
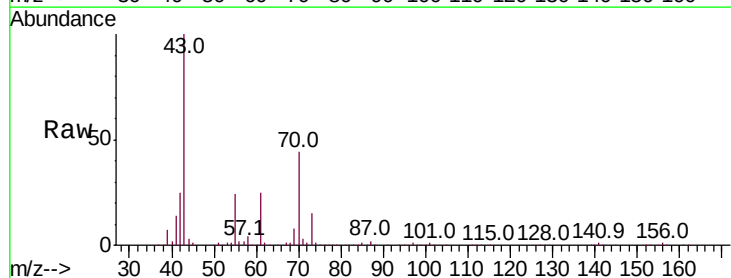
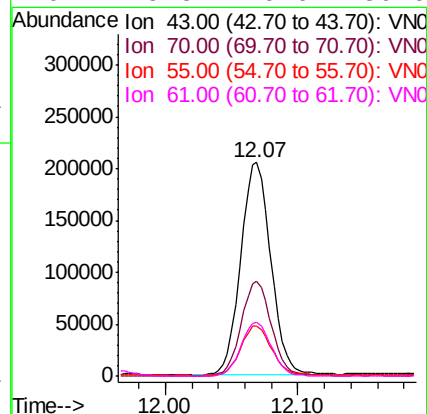
Ion Ratio Lower Upper

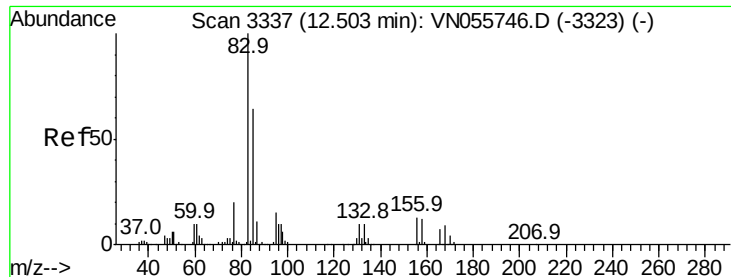
43 100

70 43.8 34.0 51.0

55 23.9 18.6 28.0

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.615 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

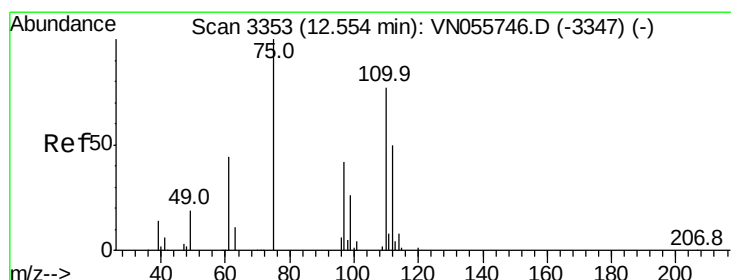
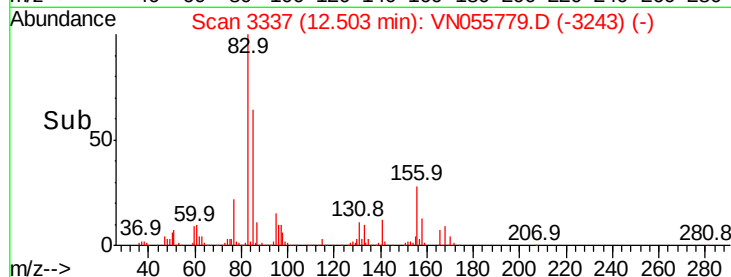
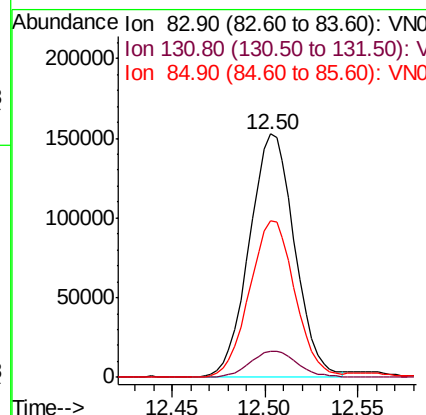
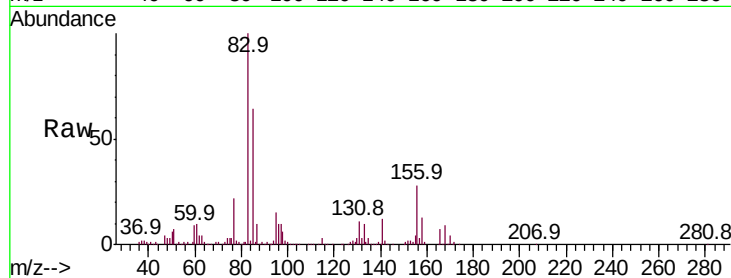
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	257584
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.8	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.479 ug/l m

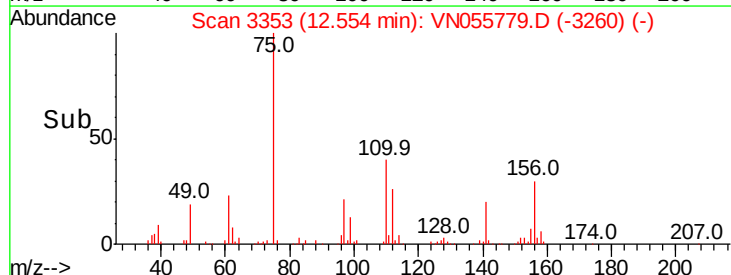
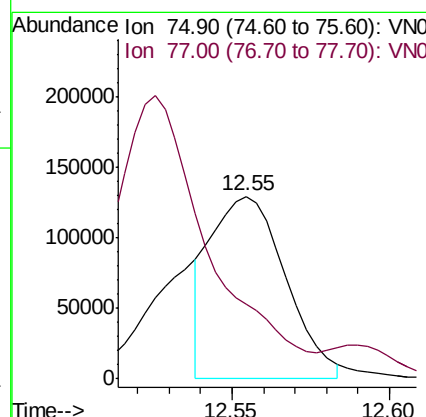
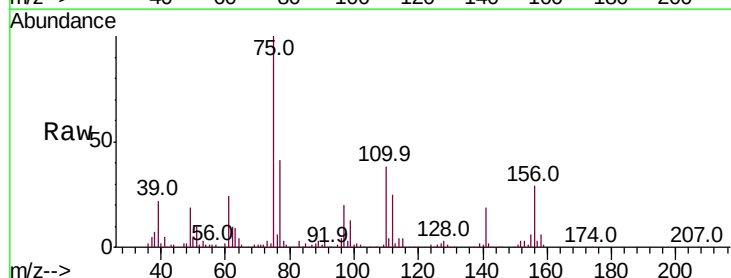
RT: 12.55 min Scan# 3353

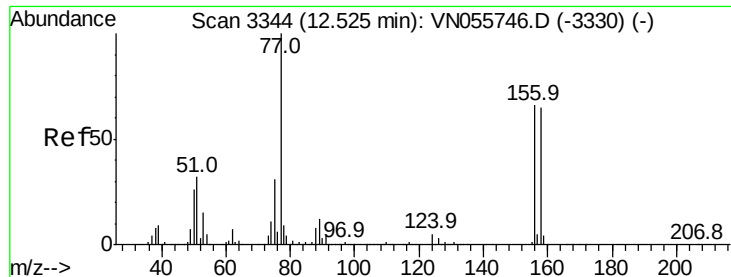
Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion:	75	Resp:	214057
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 81.281 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

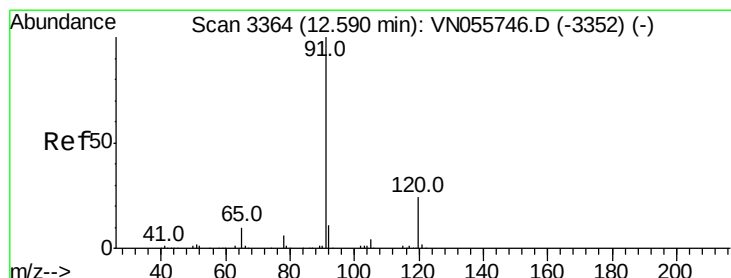
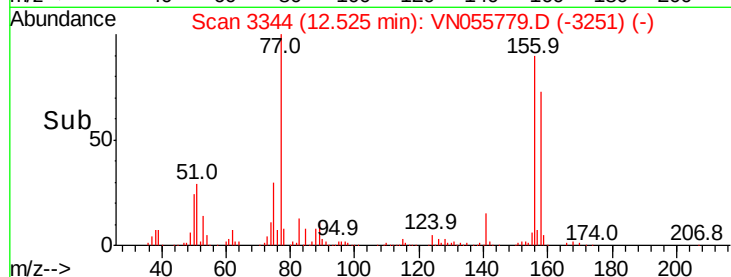
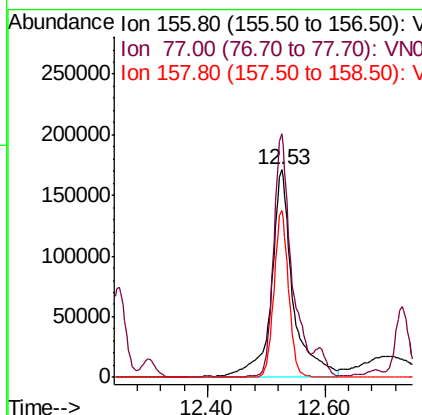
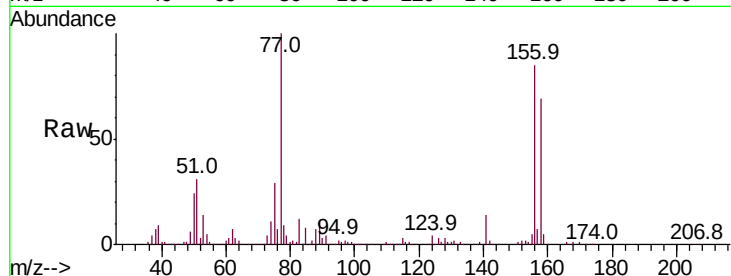
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	443891
Ion Ratio	Lower	Upper	
156	100		
77	96.3	90.8	272.5
158	54.2	49.3	147.8

Manual Integrations
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5/24/2019 9:53:13 AM



#78

n-propylbenzene

Concen: 43.844 ug/l

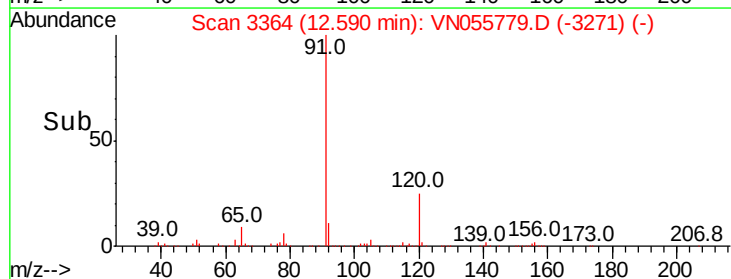
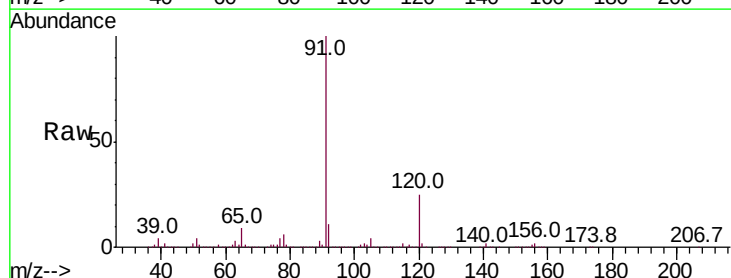
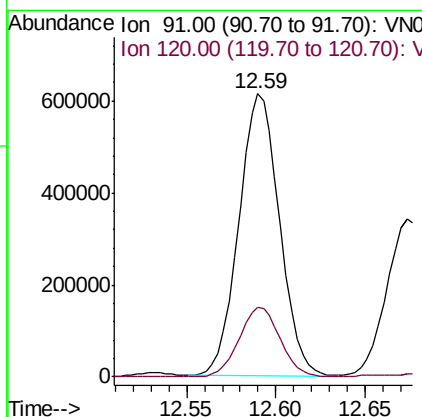
RT: 12.59 min Scan# 3364

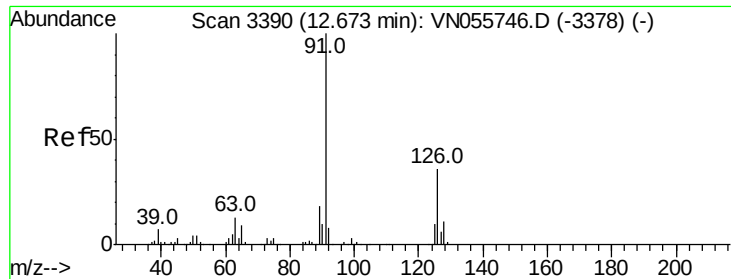
Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Tgt Ion:	91	Resp:	975236
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 47.918 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 575395

Ion Ratio Lower Upper

91 100

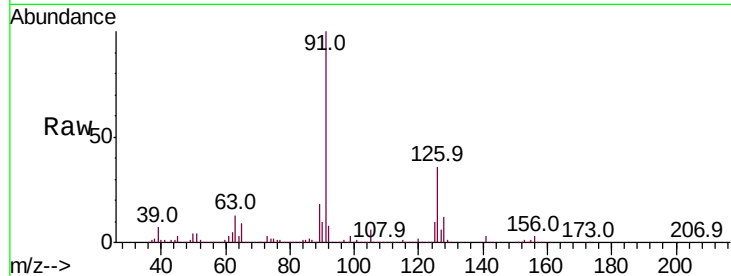
126 37.2 18.1 54.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

500000

400000

300000

200000

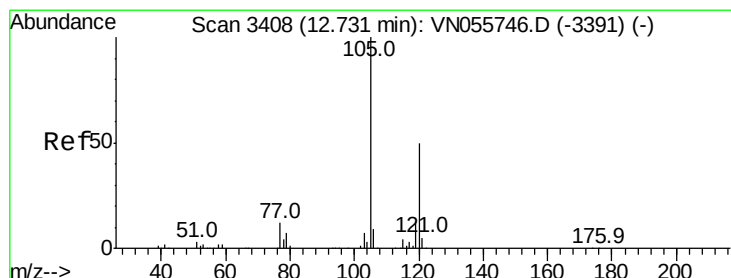
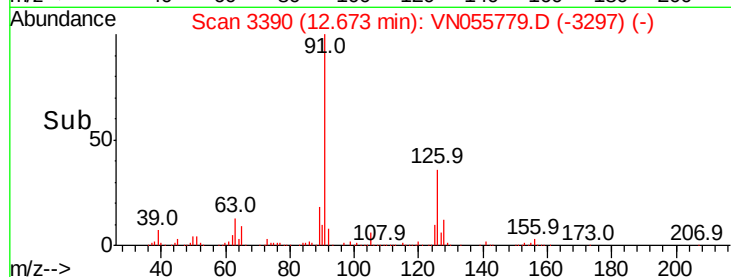
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055779.D

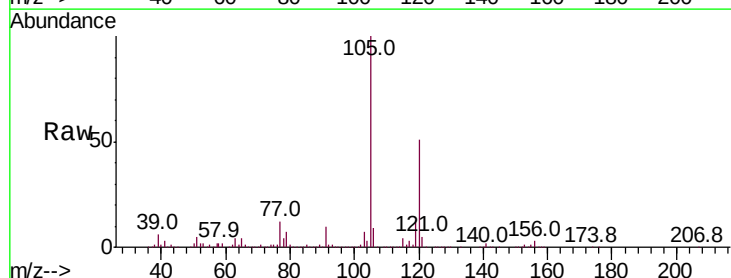
Acq: 24 May 2019 1:58

Tgt Ion: 105 Resp: 771655

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

500000

400000

300000

200000

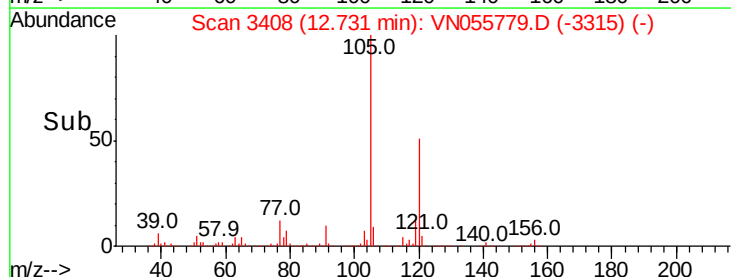
100000

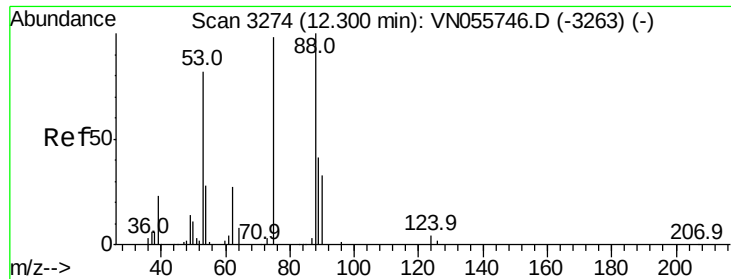
0

12.70 12.75 12.80

12.73

Time-->





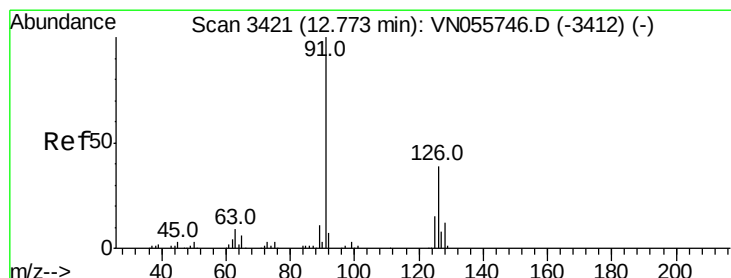
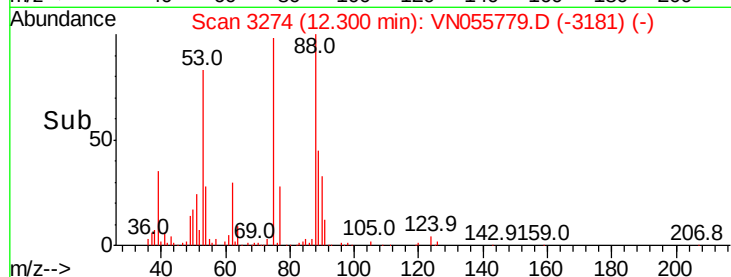
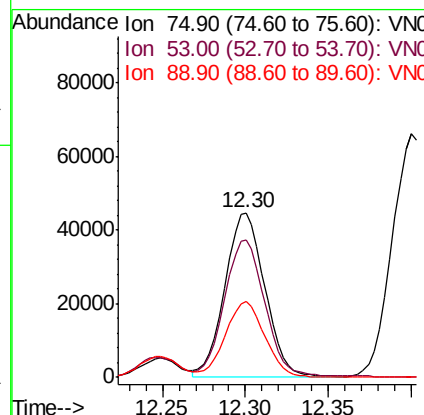
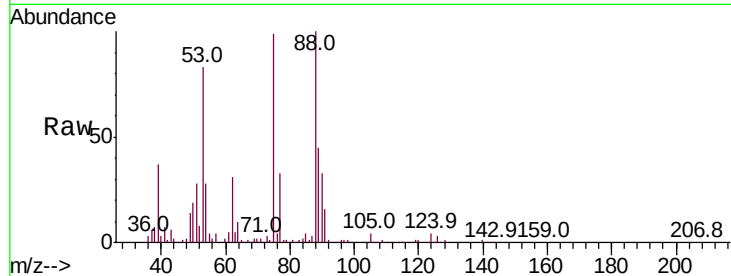
#81
trans-1,4-Dichloro-2-butene
Concen: 39.147 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.9	68.1	102.1
89	46.2	36.9	55.3

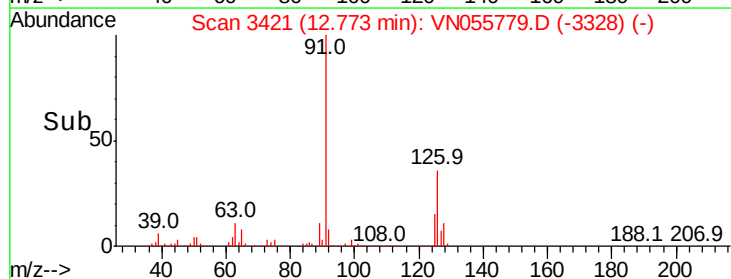
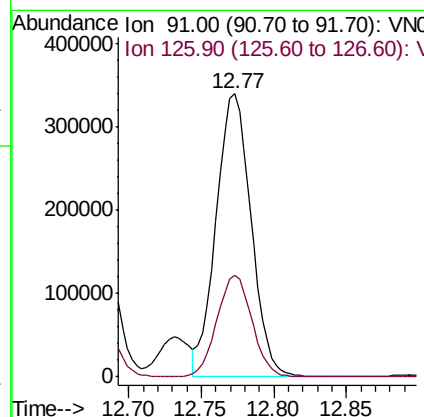
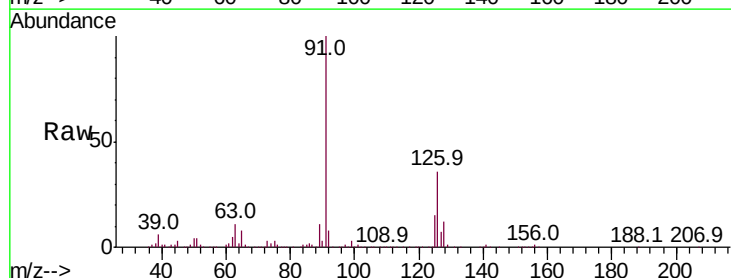
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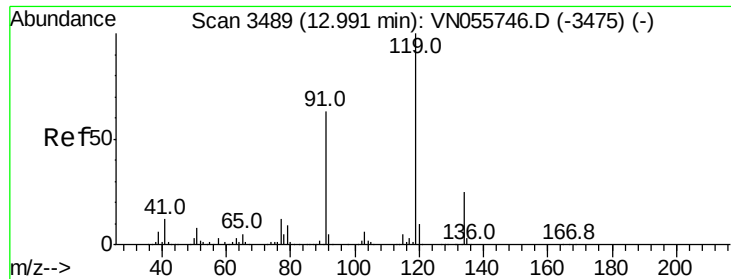
MMDadoda
5/24/2019 9:53:13 AM



#82
4-Chlorotoluene
Concen: 43.364 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.3





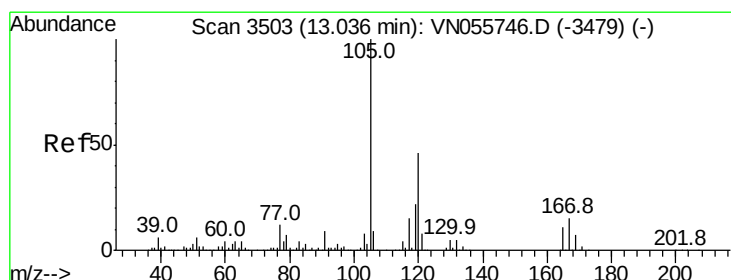
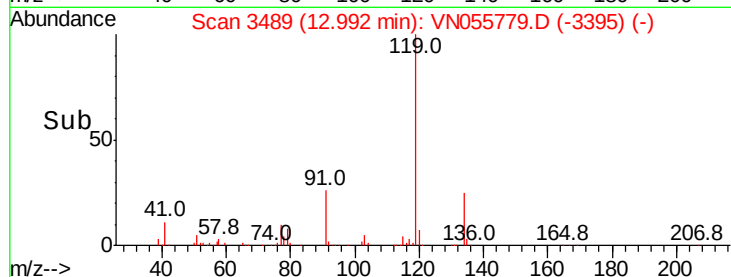
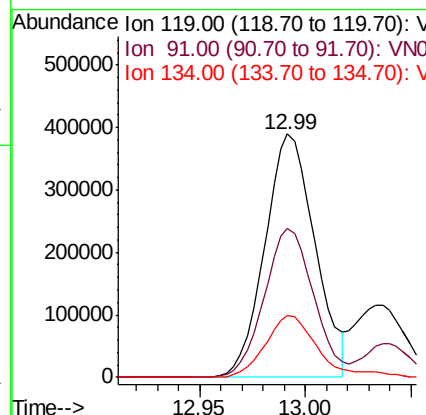
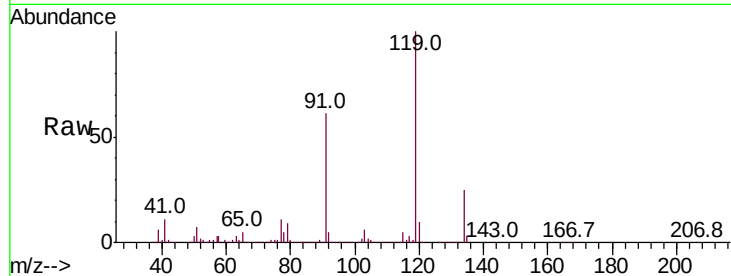
#83
 tert-Butylbenzene
 Concen: 48.557 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	644335		
91	60.4	30.9	92.8	
134	26.7	13.3	39.8	

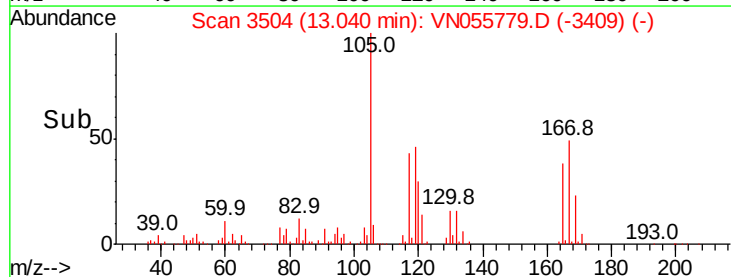
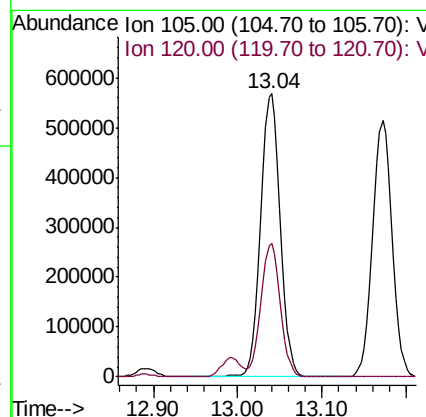
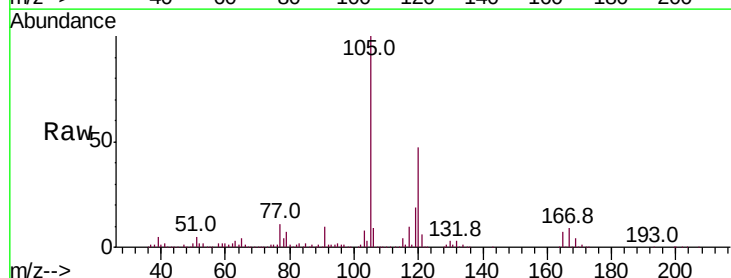
Manual Integrations
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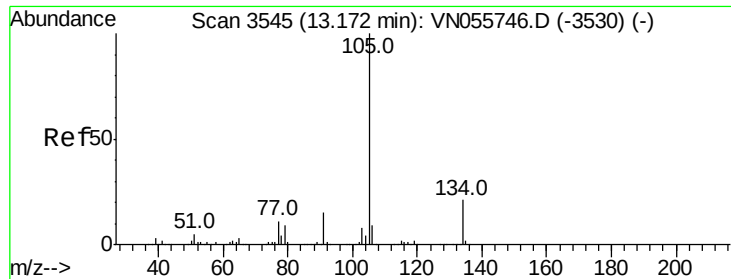
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 5/24/2019 9:53:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 60.000 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	910753		
120	46.6	23.0	69.0	





#85

sec-Butylbenzene

Concen: 47.472 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 819923

Ion Ratio Lower Upper

105 100

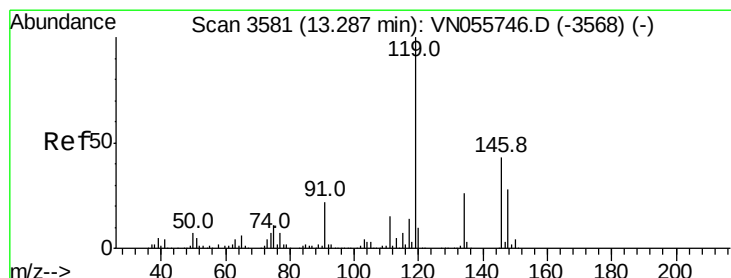
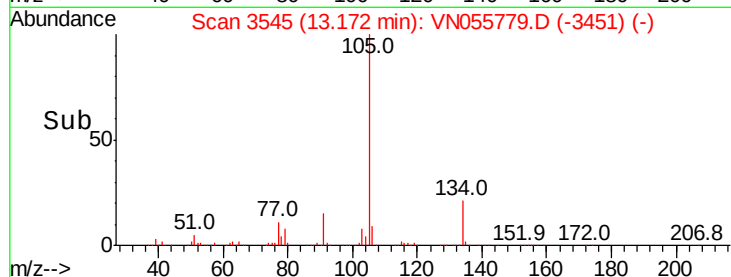
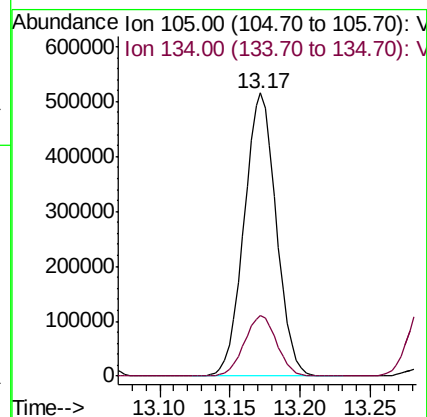
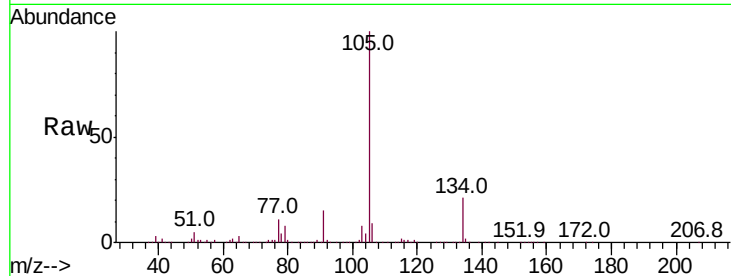
134 21.7 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 43.123 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055779.D

Acq: 24 May 2019 1:58

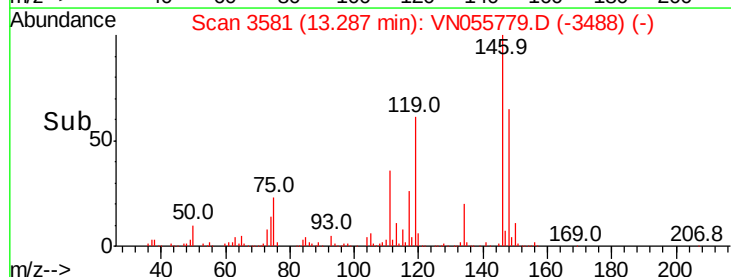
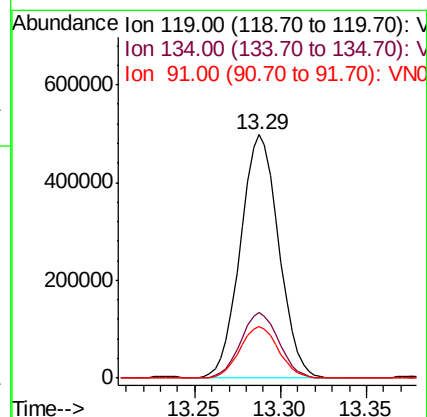
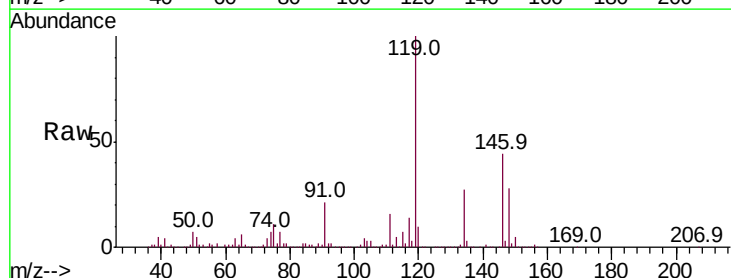
Tgt Ion:119 Resp: 766436

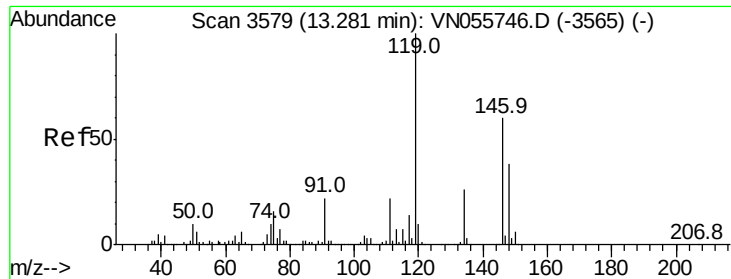
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 21.1 10.9 32.9





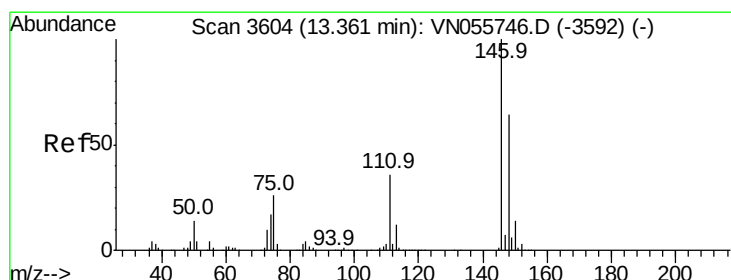
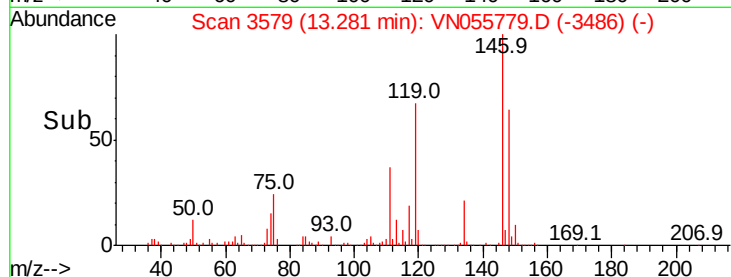
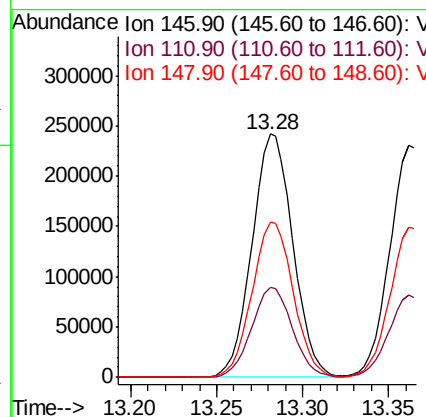
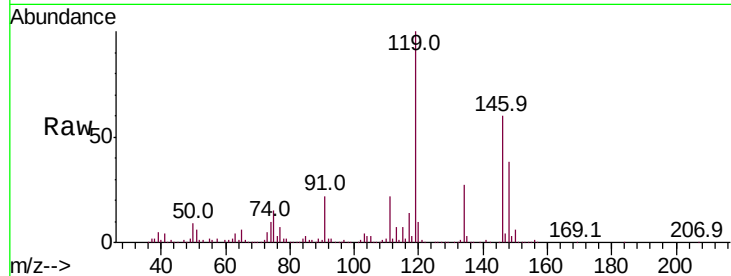
#87
 1,3-Dichlorobenzene
 Concen: 46.159 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	399160		
111	36.7	18.5	55.5	
148	64.2	32.0	96.2	

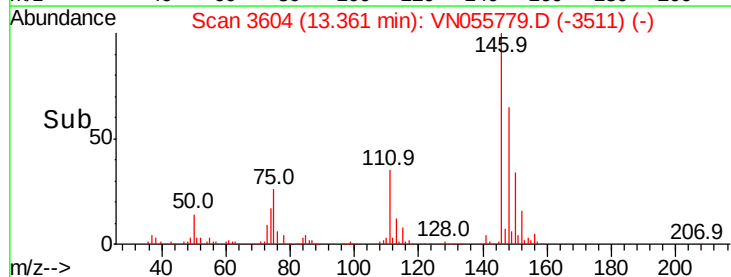
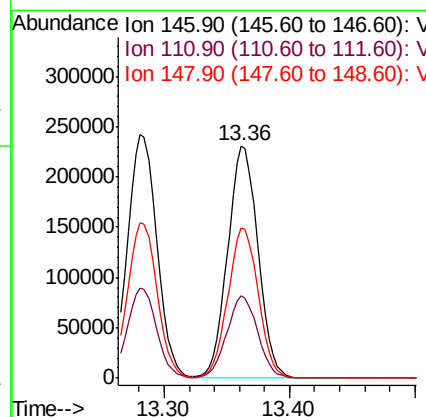
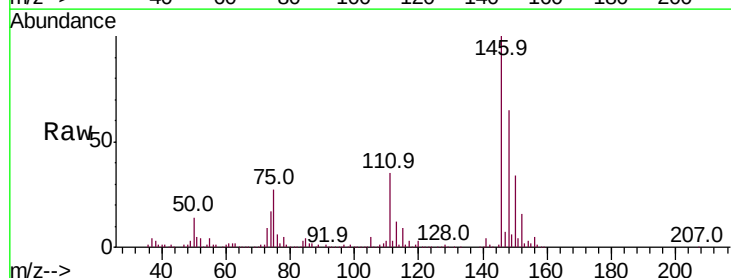
Manual Integrations
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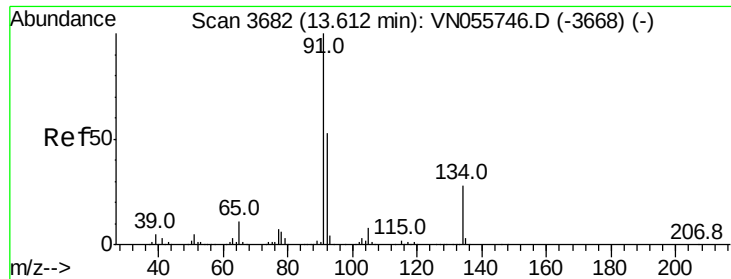
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 5/24/2019 9:53:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.043 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386767		
111	35.8	18.1	54.4	
148	64.6	32.1	96.5	





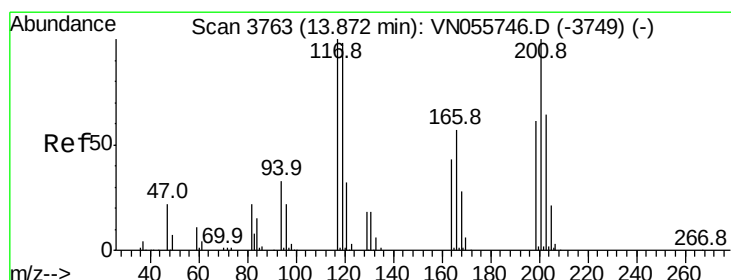
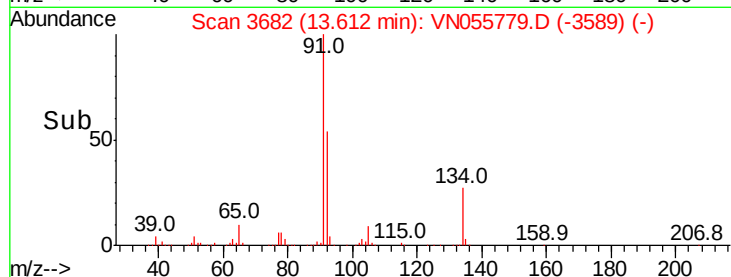
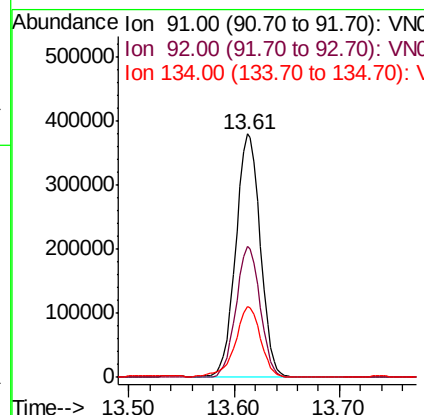
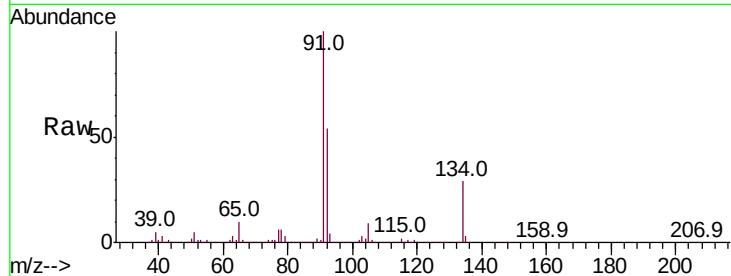
#89
n-Butylbenzene
Concen: 44.524 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.4	79.0
134	30.1	13.9	41.7

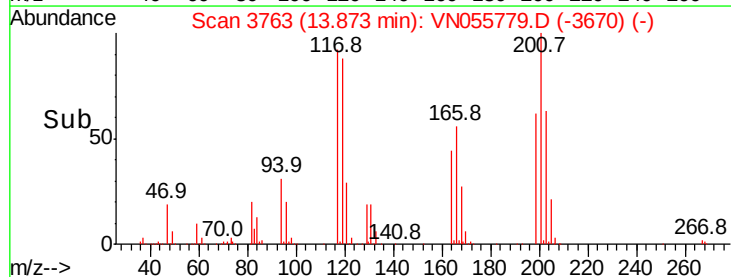
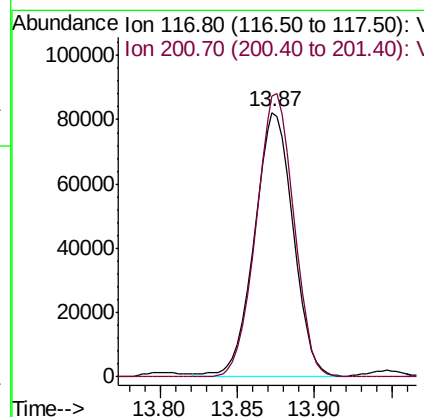
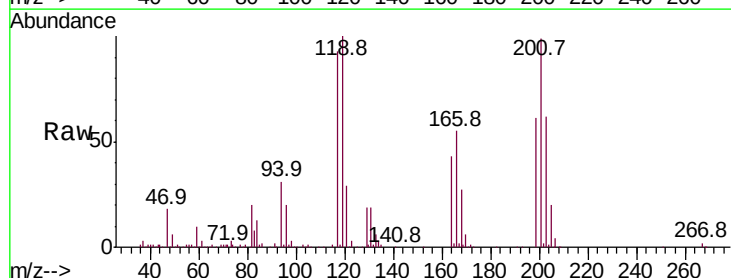
Manual Integrations
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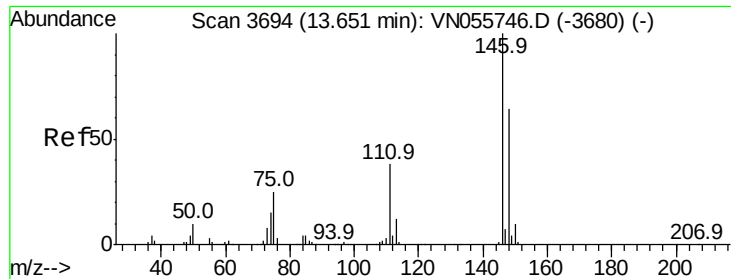
MMDadoda
5/24/2019 9:53:13 AM



#90
Hexachloroethane
Concen: 41.991 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.1	50.0	150.0





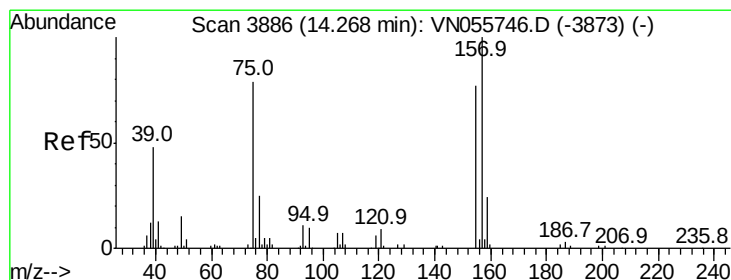
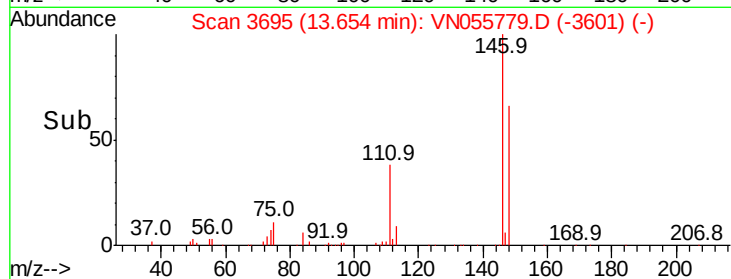
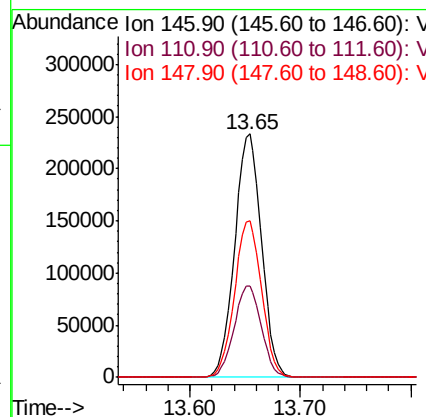
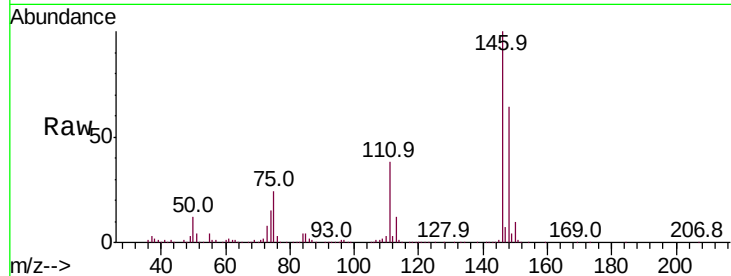
#91
 1,2-Dichlorobenzene
 Concen: 45.544 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	37.9	19.1	57.5	
148	64.7	31.9	95.9	

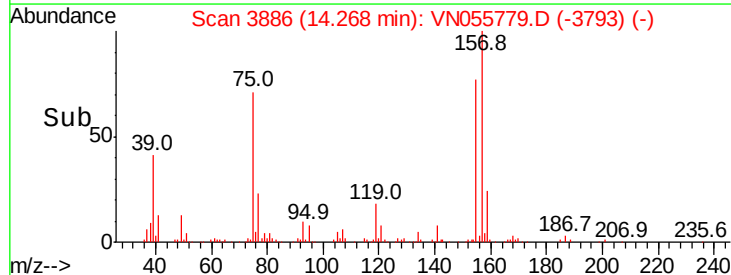
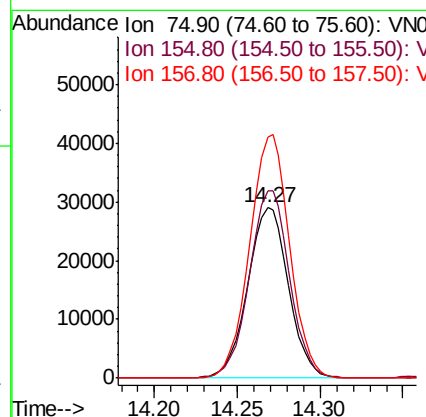
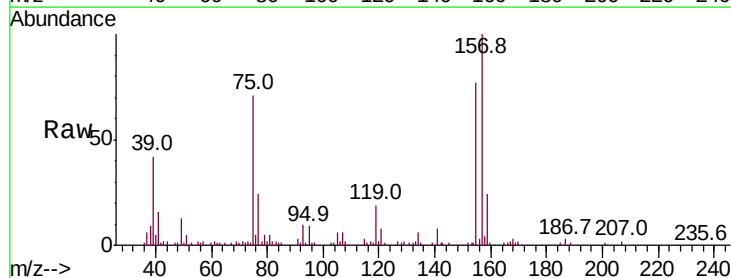
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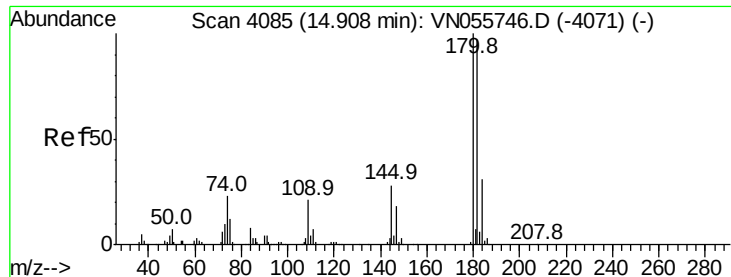
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.906 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	108.4	50.0	150.1	
157	140.0	64.8	194.3	





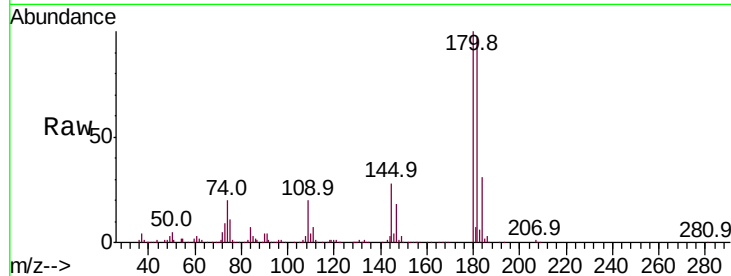
#93
 1,2,4-Trichlorobenzene
 Concen: 47.621 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

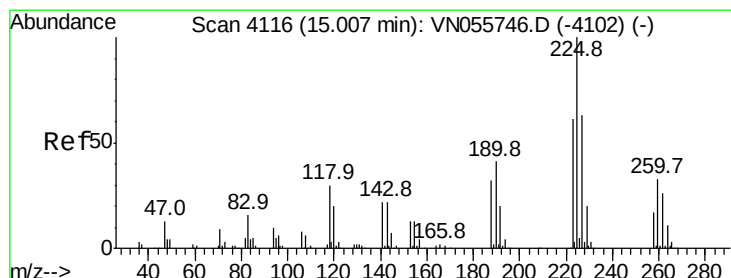
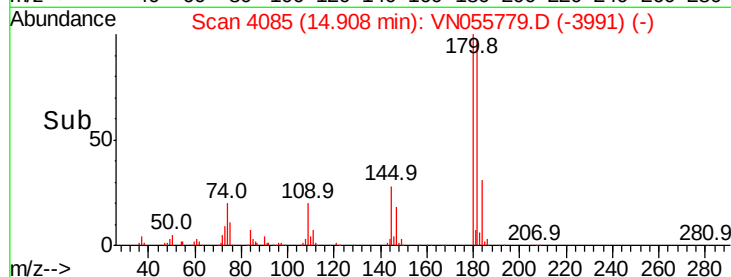
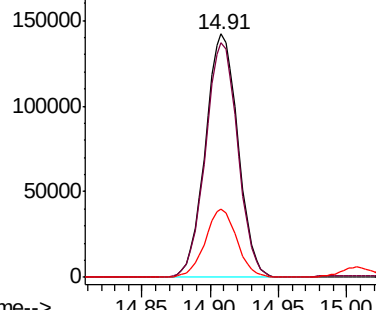
Tot Ion	Ratio	Resp	Lower	Upper
180	100	235454		
182	95.8	48.3	144.9	
145	27.0	14.0	41.9	

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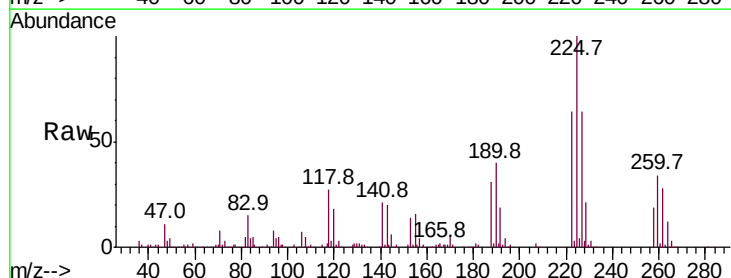


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

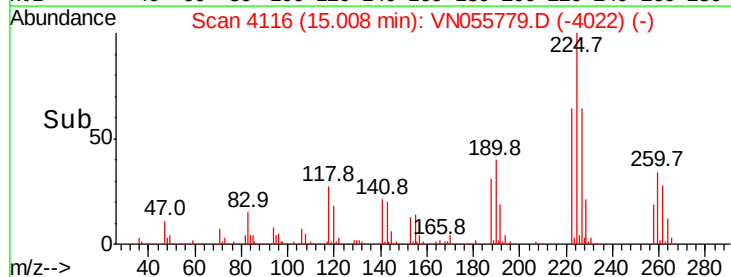
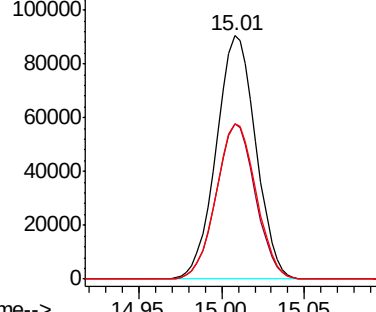


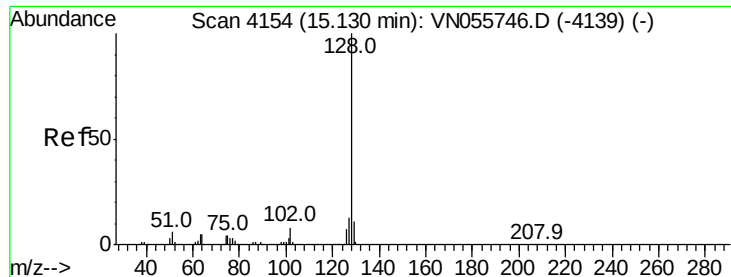
#94
 Hexachlorobutadiene
 Concen: 49.381 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055779.D
 Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150002		
223	63.0	30.9	92.7	
227	64.4	31.6	94.7	



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





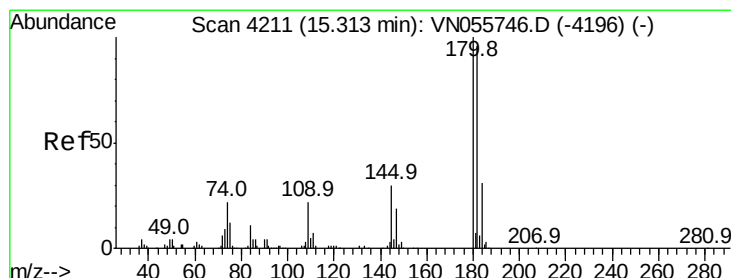
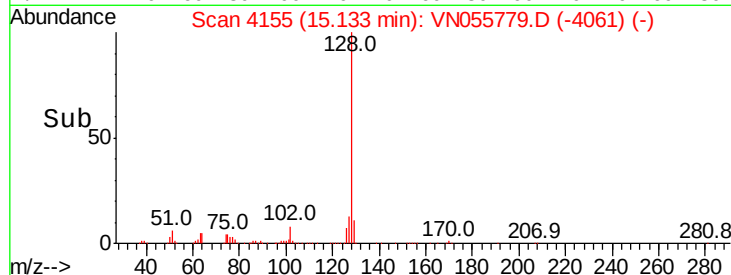
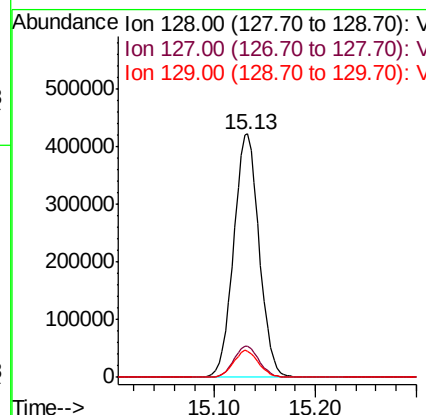
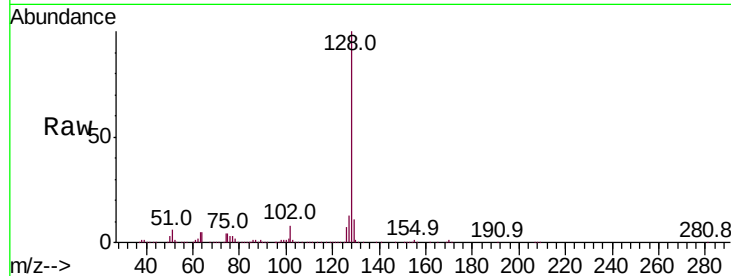
#95
Naphthalene
Concen: 62.633 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 53.109 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055779.D
Acq: 24 May 2019 1:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.9	143.7
145	29.0	14.9	44.7

