

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN051999.D
 Acq On : 25 Oct 2018 8:41
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 9:19:28 AM

Quant Time: Oct 26 01:15:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1303854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1831853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716596	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	863904	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	505534	43.53	ug/l	0.00
Spiked Amount			Recovery	=	87.06%	
35) Dibromofluoromethane	7.59	113	555050	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
50) Toluene-d8	10.09	98	2019118	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	688126	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	375655	45.401	ug/l	99
3) Chloromethane	2.06	50	329961	44.290	ug/l	99
4) Vinyl Chloride	2.19	62	423490	42.408	ug/l	98
5) Bromomethane	2.57	94	419751	43.902	ug/l	94
6) Chloroethane	2.71	64	301538	40.673	ug/l	97
7) Trichlorofluoromethane	3.02	101	792005	44.511	ug/l	99
8) Diethyl Ether	3.41	74	238810	45.142	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	497355	46.661	ug/l	99
10) Methyl Iodide	3.96	142	773355	49.039	ug/l	98
11) Tert butyl alcohol	4.78	59	110730	184.252	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	442249	46.330	ug/l	96
13) Acrolein	3.61	56	84398	244.880	ug/l	98
14) Allyl chloride	4.33	41	463228	45.860	ug/l	98
15) Acrylonitrile	4.99	53	576524	227.253	ug/l	99
16) Acetone	3.82	43	399645	208.886	ug/l	96
17) Carbon Disulfide	4.06	76	1070227	47.166	ug/l	100
18) Methyl Acetate	4.32	43	263392	45.102	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1165296	45.469	ug/l	99
20) Methylene Chloride	4.55	84	493928	44.008	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	510598	47.231	ug/l	98
22) Diisopropyl ether	5.95	45	1068757	46.247	ug/l	98
23) Vinyl Acetate	5.90	43	3680348	234.109	ug/l	99
24) 1,1-Dichloroethane	5.85	63	773522	45.847	ug/l	99
25) 2-Butanone	6.83	43	616270	225.948	ug/l	99
26) 2,2-Dichloropropane	6.83	77	746501	48.359	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	596634	47.243	ug/l	98
28) Bromochloromethane	7.19	49	319119	46.930	ug/l	93
29) Tetrahydrofuran	7.21	42	392343	212.313	ug/l	100
30) Chloroform	7.37	83	940096	45.632	ug/l	99
31) Cyclohexane	7.65	56	640117	47.078	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	887727	47.123	ug/l	99
36) 1,1-Dichloropropene	7.79	75	675750	48.089	ug/l	98
37) Ethyl Acetate	6.93	43	289605	45.973	ug/l	99
38) Carbon Tetrachloride	7.77	117	817819	50.696	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	839793	48.931	ug/l	98
40) Benzene	8.04	78	2010220	48.181	ug/l	100
41) Methacrylonitrile	7.18	41	159098	50.385	ug/l	90
42) 1,2-Dichloroethane	8.12	62	618745	46.253	ug/l	100
43) Isopropyl Acetate	8.16	43	560628	47.639	ug/l #	87
44) Trichloroethene	8.84	130	674669	50.379	ug/l	94
45) 1,2-Dichloropropane	9.12	63	463859	49.148	ug/l	98
46) Dibromomethane	9.21	93	354948	46.654	ug/l	94
47) Bromodichloromethane	9.40	83	715457	49.793	ug/l	98
48) Methyl methacrylate	9.20	41	266252	46.808	ug/l	99
49) 1,4-Dioxane	9.20	88	76984	738.100	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1495020	230.955	ug/l	100
52) Toluene	10.16	92	1404313	49.636	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	685937	46.826	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	774346	51.560	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	501164	47.943	ug/l	99
56) Ethyl methacrylate	10.43	69	549264	48.882	ug/l	99
57) 1,3-Dichloropropane	10.71	76	751243	47.339	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1445944	245.932	ug/l	99
59) 2-Hexanone	10.75	43	1023728	235.376	ug/l	99
60) Dibromochloromethane	10.90	129	611454	46.017	ug/l	99
61) 1,2-Dibromoethane	11.00	107	536366	48.664	ug/l	100
64) Tetrachloroethene	10.63	164	659343	50.043	ug/l	97
65) Chlorobenzene	11.43	112	1705311	49.203	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	631374	50.682	ug/l	99
67) Ethyl Benzene	11.51	91	2715968	48.751	ug/l	99
68) m/p-Xylenes	11.62	106	2280312	102.445	ug/l	99
69) o-Xylene	11.95	106	1090671	50.382	ug/l	98
70) Styrene	11.96	104	1768121	51.102	ug/l	99
71) Bromoform	12.13	173	394121	43.211	ug/l #	99
73) Isopropylbenzene	12.25	105	2941803	53.694	ug/l	99
74) N-amyl acetate	12.07	43	513608	47.626	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	497448	43.941	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	396156m	44.394	ug/l	
77) Bromobenzene	12.53	156	823388	54.455	ug/l	94
78) n-propylbenzene	12.59	91	3145981	53.229	ug/l	100
79) 2-Chlorotoluene	12.67	91	1798996	52.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2341332	53.264	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136279	49.256	ug/l	97
82) 4-Chlorotoluene	12.77	91	1858278	52.147	ug/l	98
83) tert-Butylbenzene	12.99	119	2165314	52.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2350794	51.846	ug/l	99
85) sec-Butylbenzene	13.17	105	2770174	51.017	ug/l	99
86) p-Isopropyltoluene	13.29	119	2547897	52.119	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1425460	51.114	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1385259	50.384	ug/l	99
89) n-Butylbenzene	13.61	91	1883531	48.387	ug/l	99
90) Hexachloroethane	13.87	117	378668	51.993	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	1274637	47.246	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53890	31.003	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	440642	27.650	ug/l	100
94) Hexachlorobutadiene	15.01	225	280619	34.269	ug/l	98
95) Naphthalene	15.13	128	807701	23.337	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	327508	21.500	ug/l	97

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

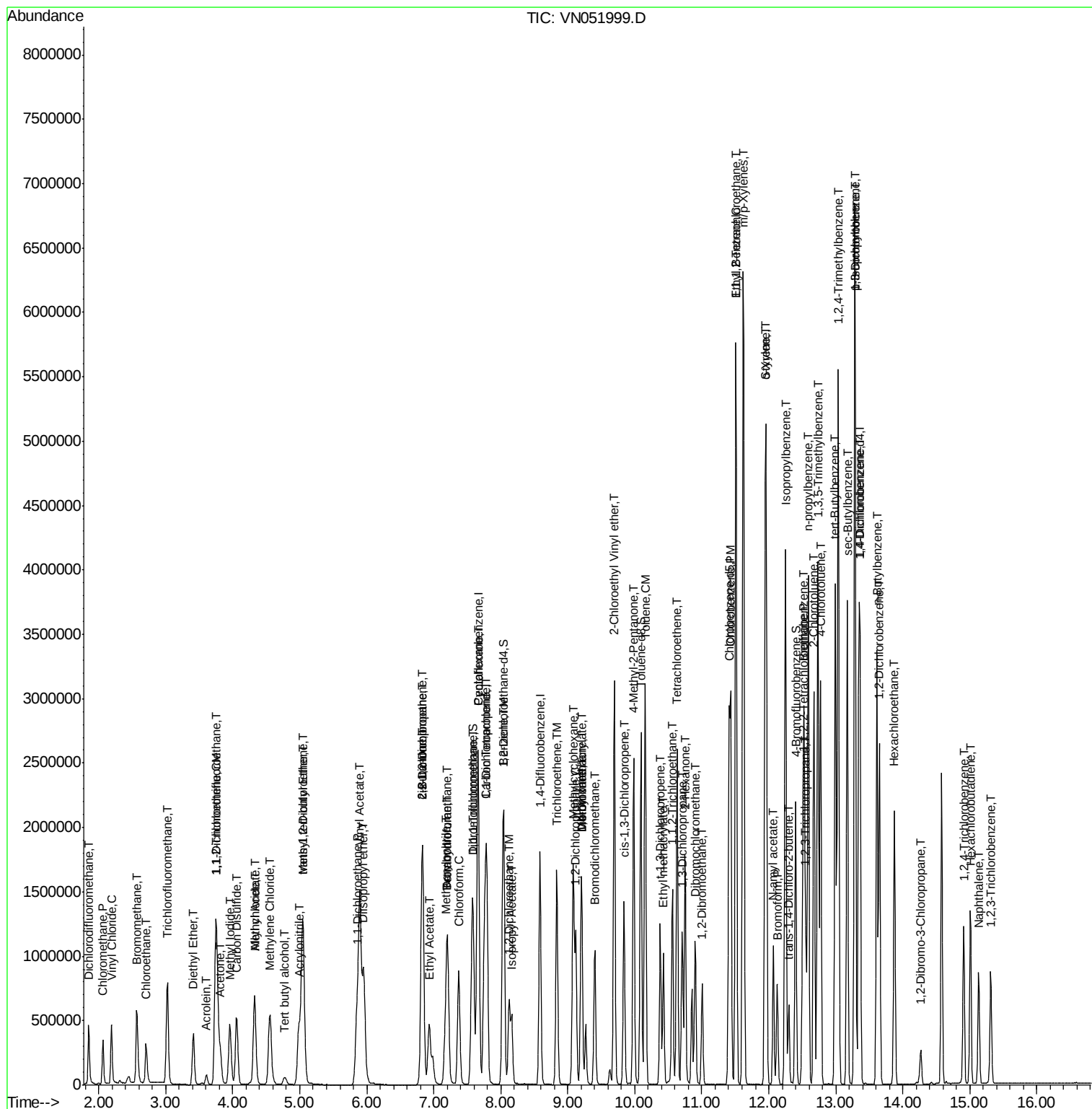
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
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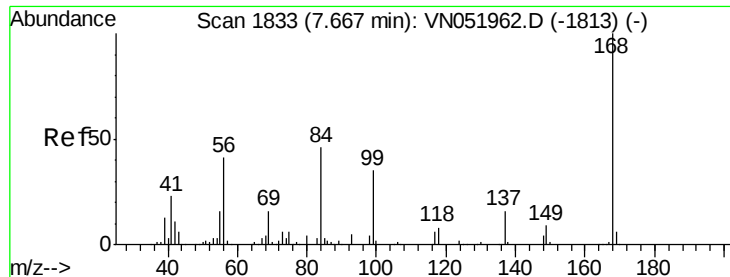
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1303854

Ion Ratio Lower Upper

168 100

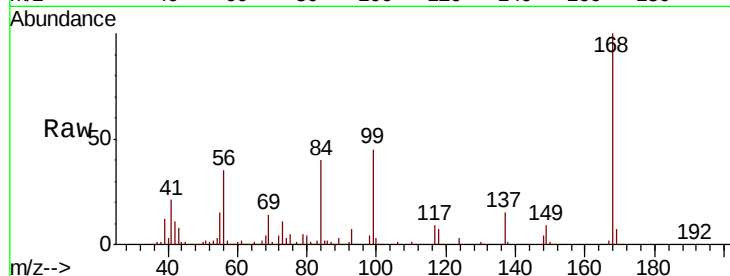
99 45.4 37.8 56.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

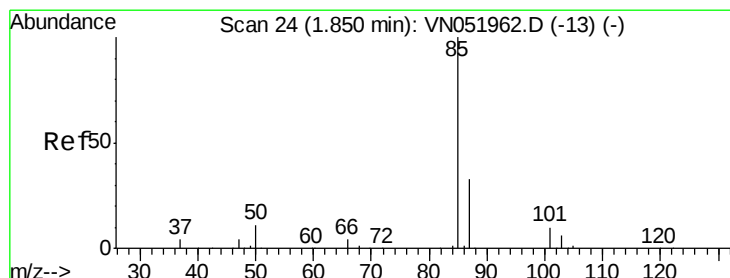
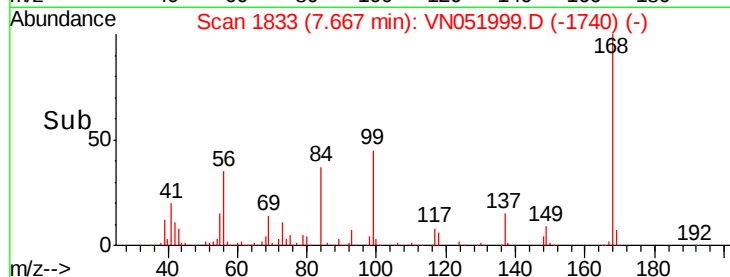
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.401 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051999.D

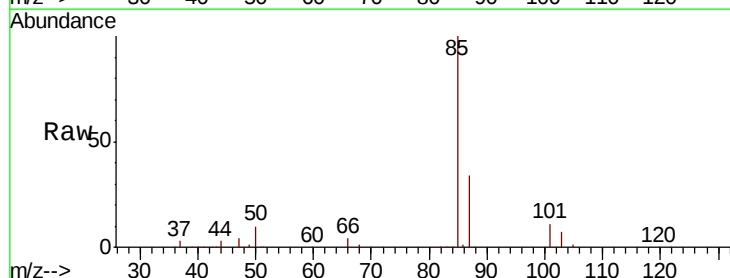
Acq: 25 Oct 2018 8:41

Tgt Ion: 85 Resp: 375655

Ion Ratio Lower Upper

85 100

87 33.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

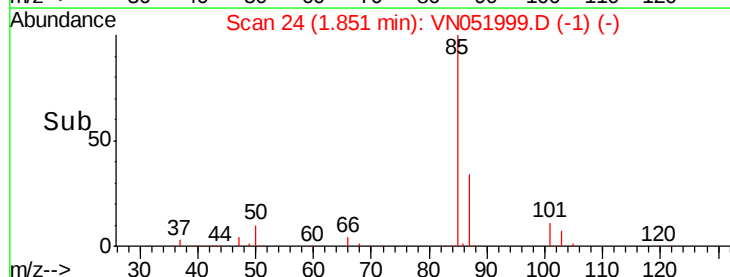
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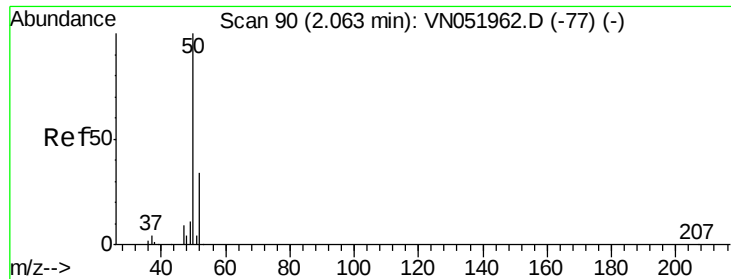
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50000

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Time-->





#3

Chloromethane

Concen: 44.290 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 329961

Ion Ratio Lower Upper

50 100

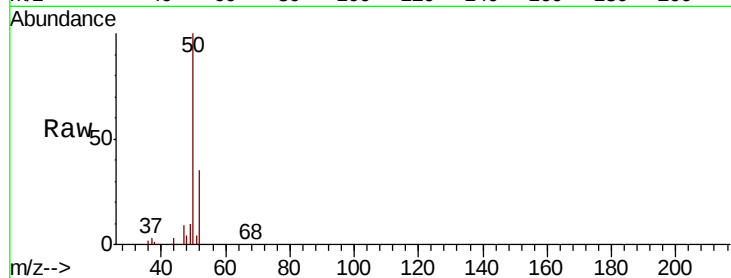
52 34.9 27.5 41.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN051962.D (-77) (-)

Ion 51.90 (51.60 to 52.60): VN051999.D (-1) (-)

2.06

200000

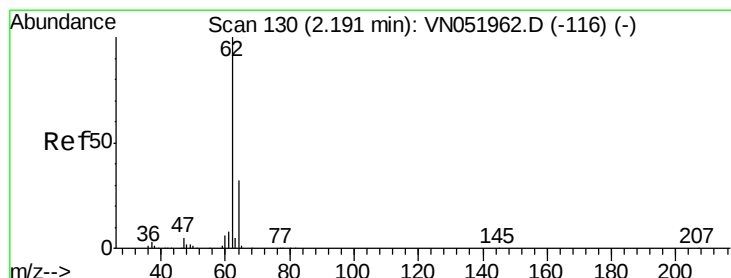
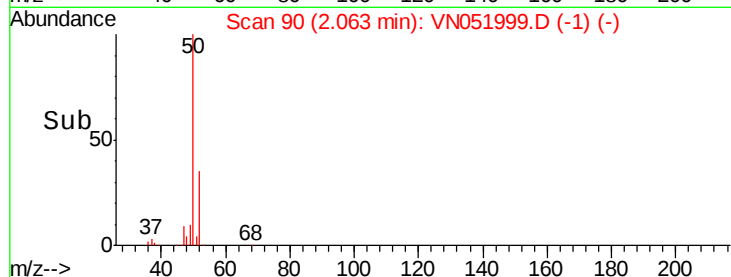
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 42.408 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051999.D

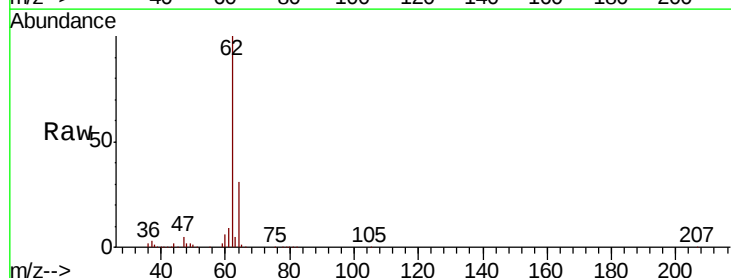
Acq: 25 Oct 2018 8:41

Tgt Ion: 62 Resp: 423490

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN051962.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN051999.D (-37) (-)

2.19

300000

250000

200000

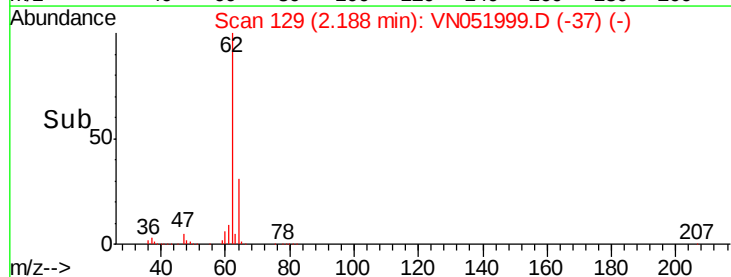
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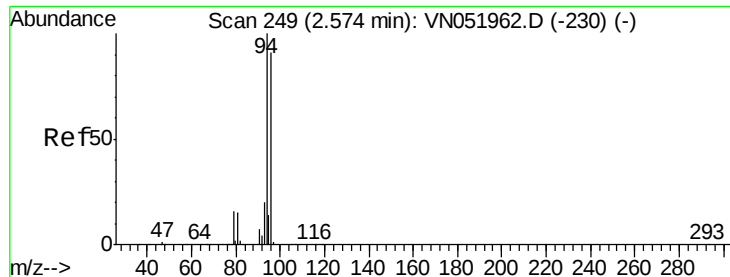
100000

50000

0

Time-->





#5

Bromomethane

Concen: 43.902 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

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Tot Ion: 94 Resp: 419751

Ion Ratio Lower Upper

94 100

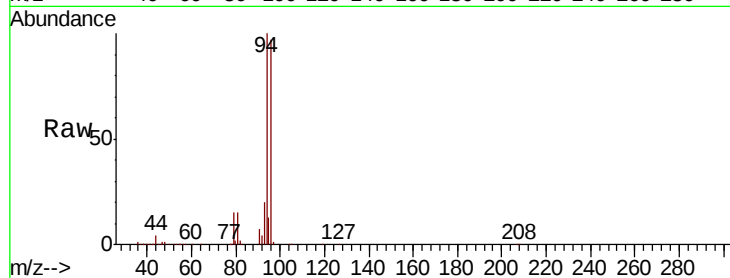
96 96.6 73.0 109.6

Manual Integrations

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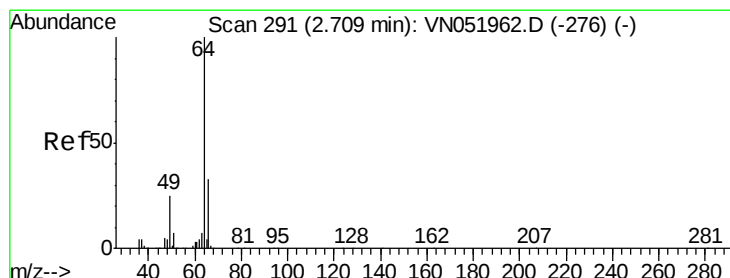
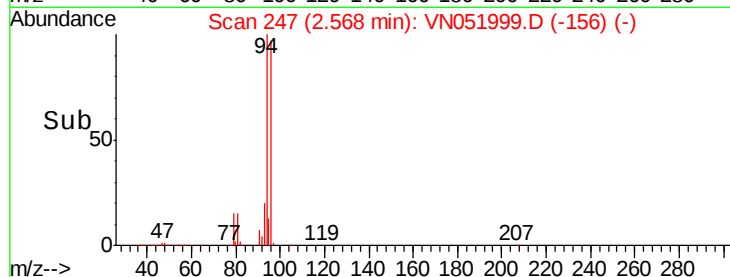
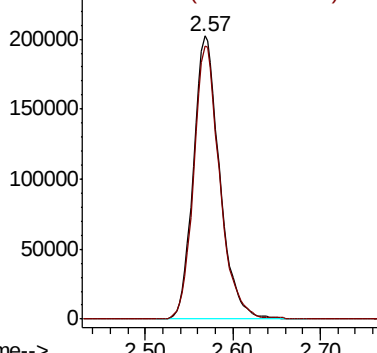
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 40.673 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051999.D

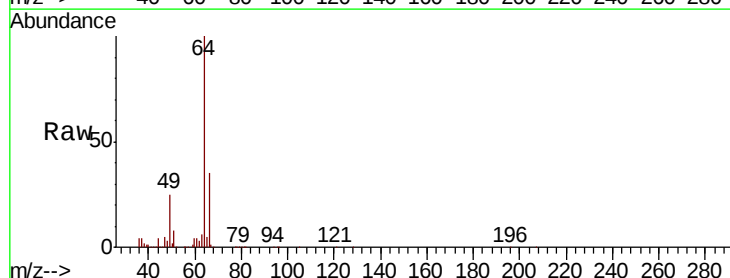
Acq: 25 Oct 2018 8:41

Tgt Ion: 64 Resp: 301538

Ion Ratio Lower Upper

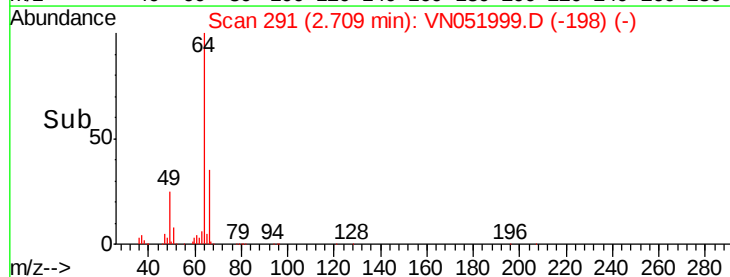
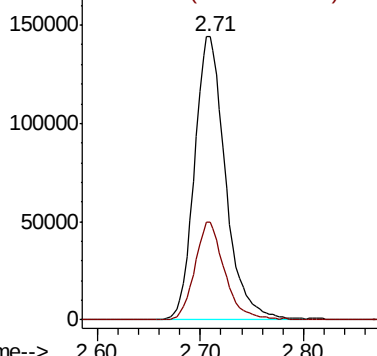
64 100

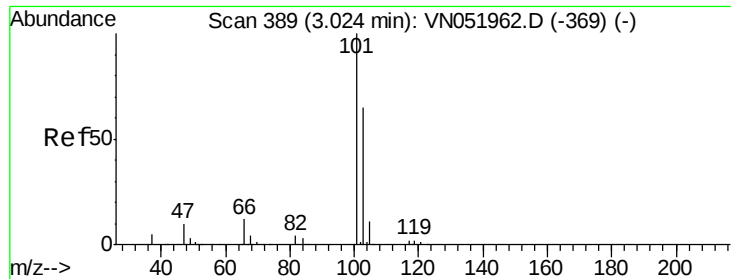
66 34.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

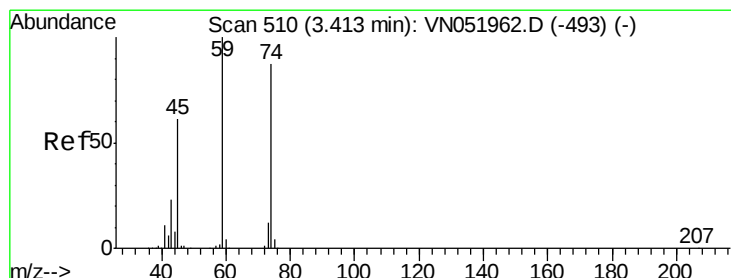
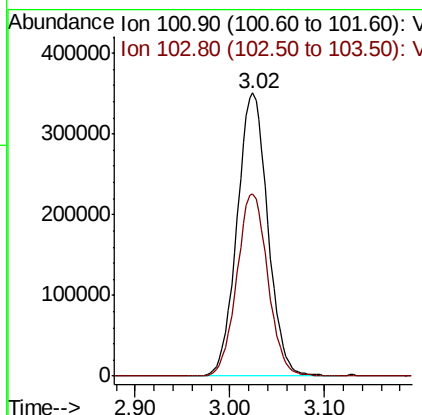
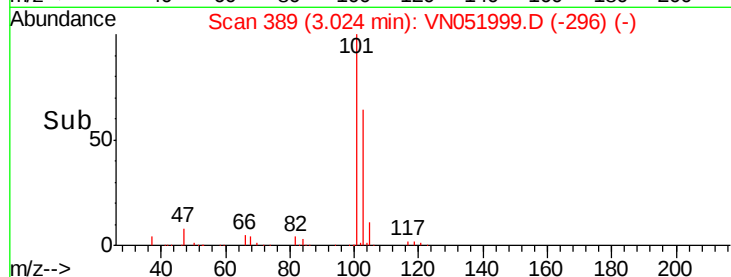
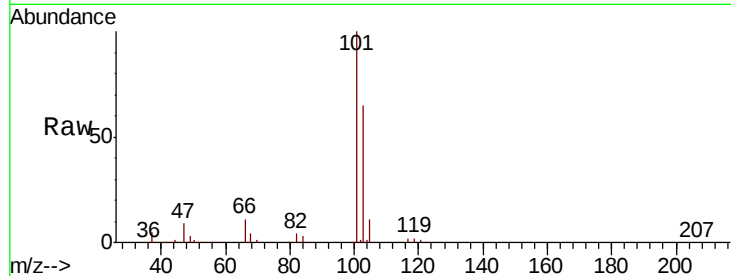
Trichlorofluoromethane
Concen: 44.511 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.0	78.0

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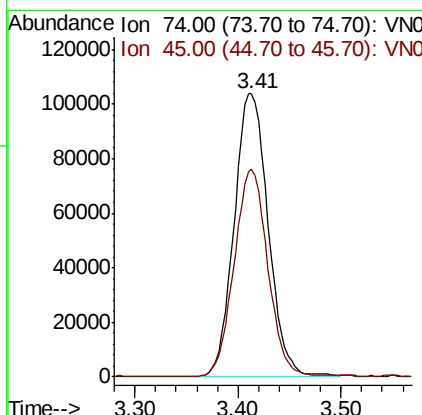
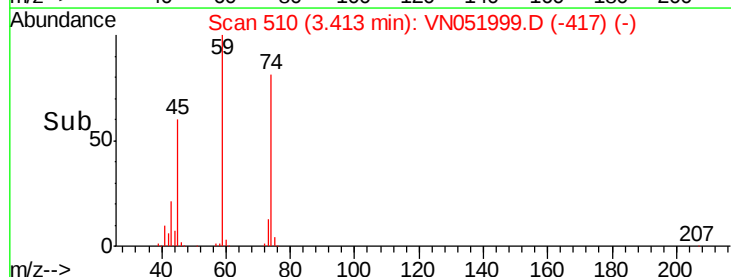
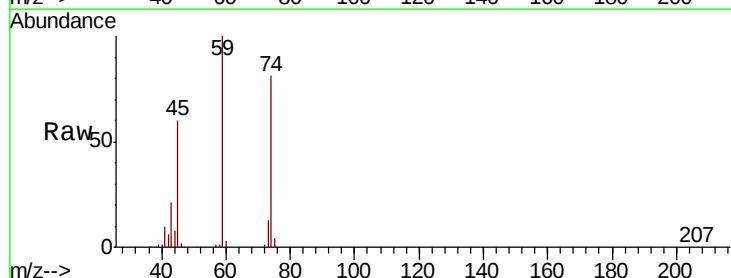
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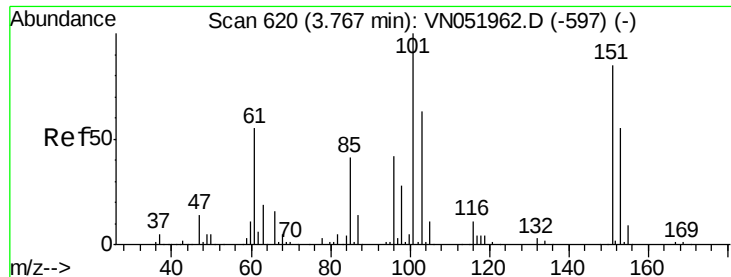


#8

Diethyl Ether
Concen: 45.142 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.1	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.661 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

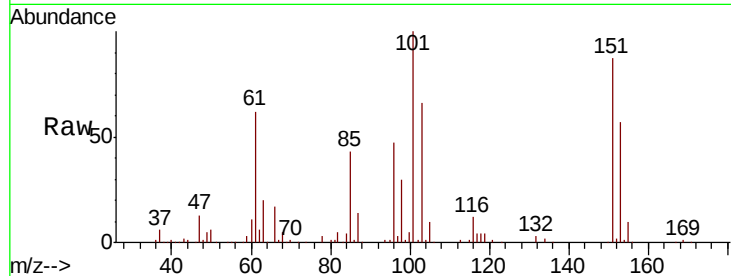
ClientSampleId :

VSTDCCC050

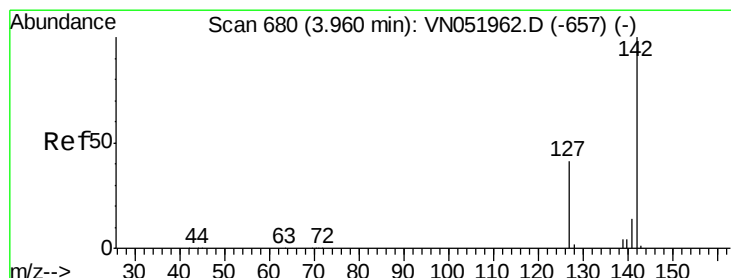
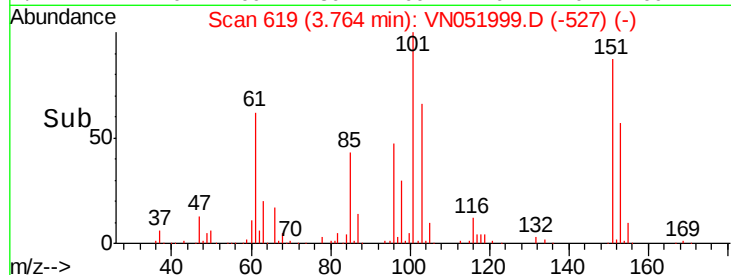
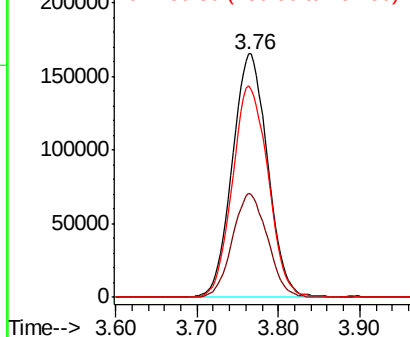
Tot Ion:	101	Resp:	497355
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.2	51.4
151	87.7	69.1	103.7

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.039 ug/l

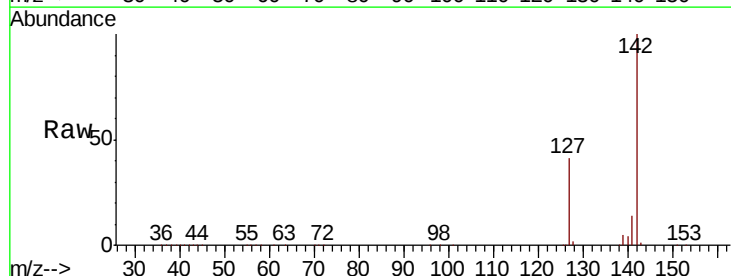
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

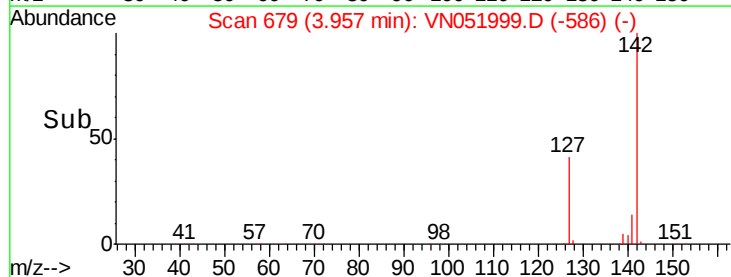
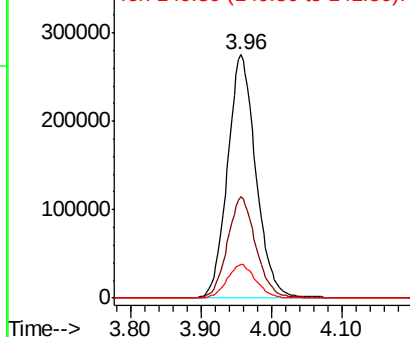
Lab File: VN051999.D

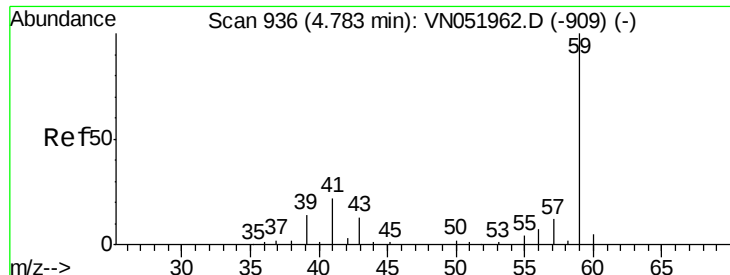
Acq: 25 Oct 2018 8:41

Tgt Ion:	142	Resp:	773355
Ion Ratio	Lower	Upper	
142	100		
127	41.4	34.3	51.5
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





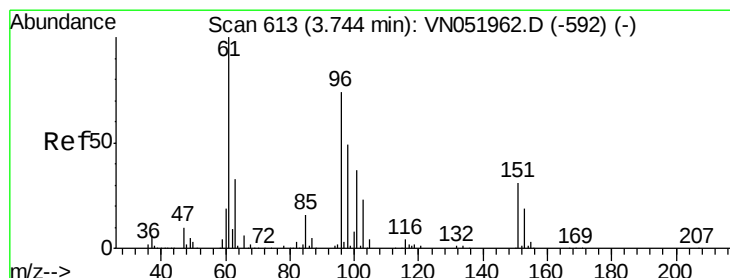
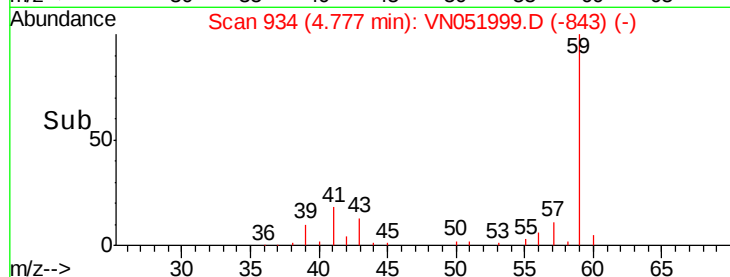
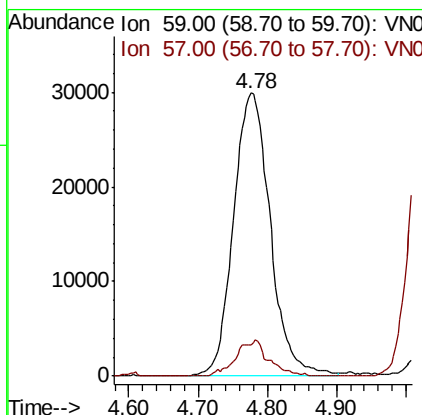
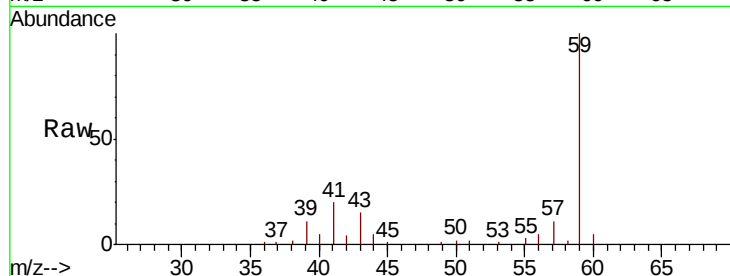
#11
Tert butyl alcohol
Concen: 184.252 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.4#

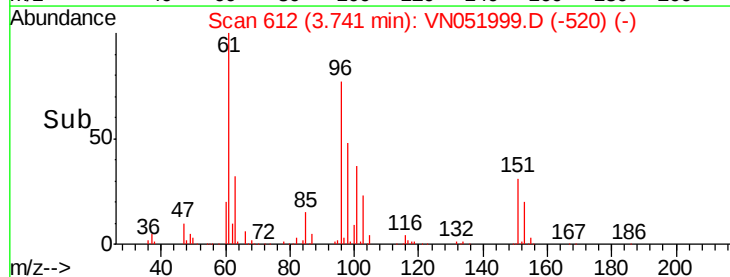
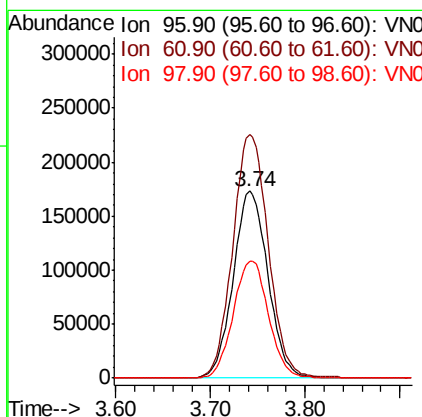
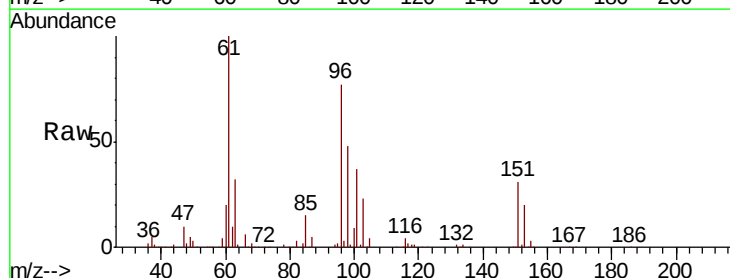
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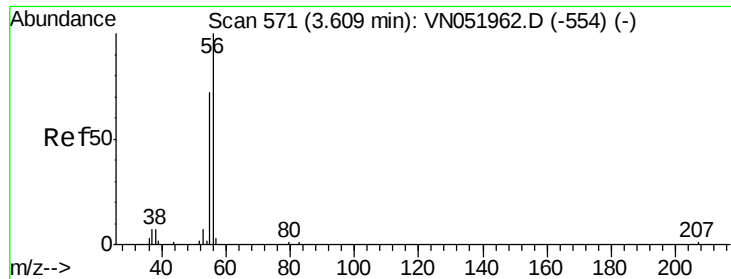
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.330 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.1	107.8	161.8
98	62.2	52.7	79.1





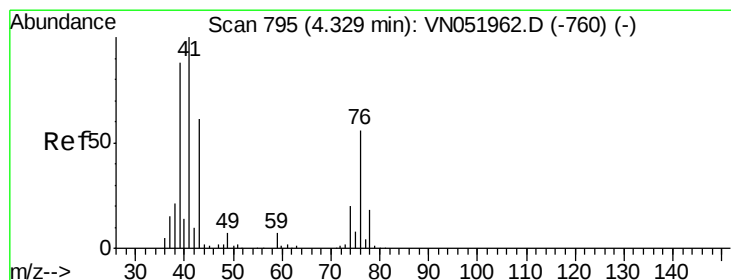
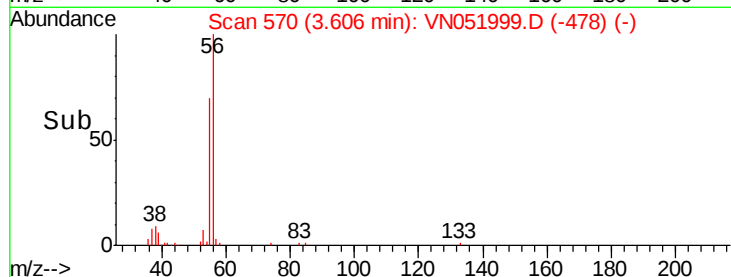
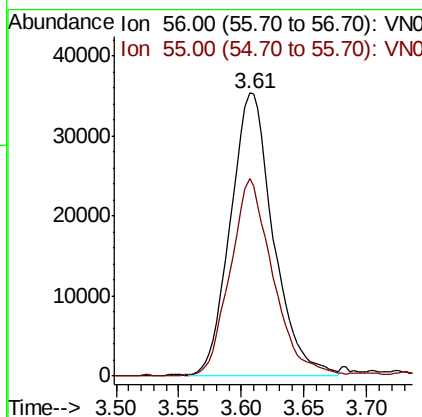
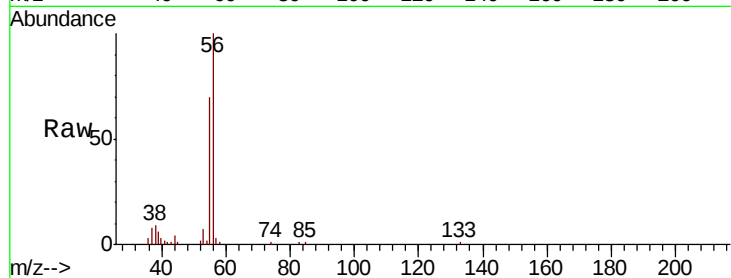
#13
Acrolein
Concen: 244.880 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	84398
Ion Ratio	100	Lower	Upper
56	100		
55	69.4	56.6	84.8

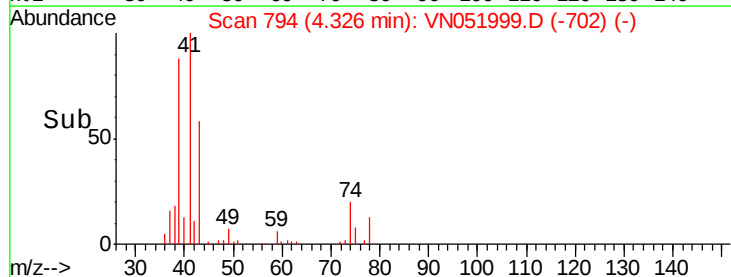
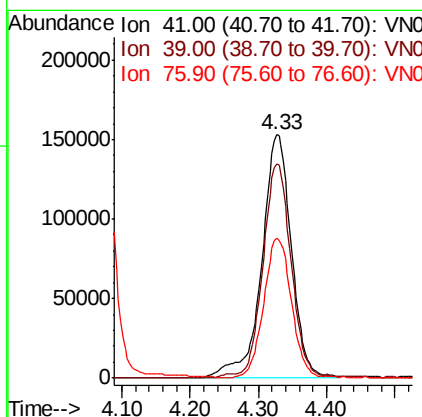
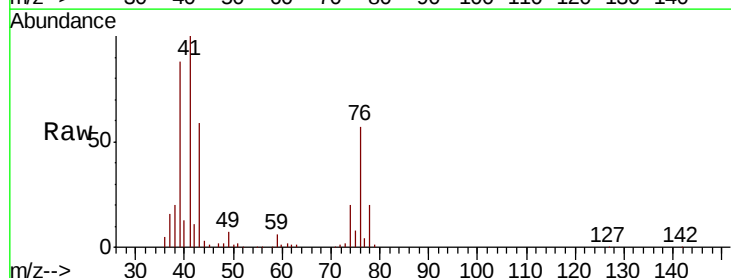
Manual Integrations
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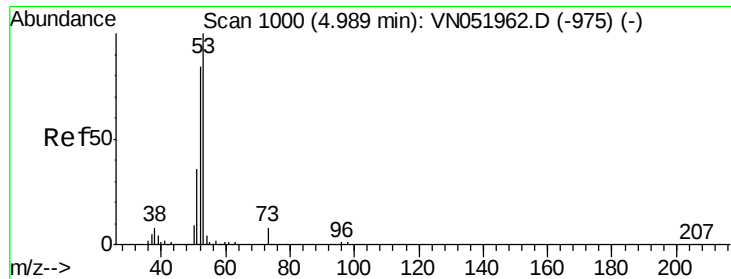
MMDadoda
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#14
Allyl chloride
Concen: 45.860 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	41	Resp	463228
Ion Ratio	100	Lower	Upper
41	100		
39	83.1	67.7	101.5
76	52.9	41.3	61.9





#15

Acrylonitrile

Concen: 227.253 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

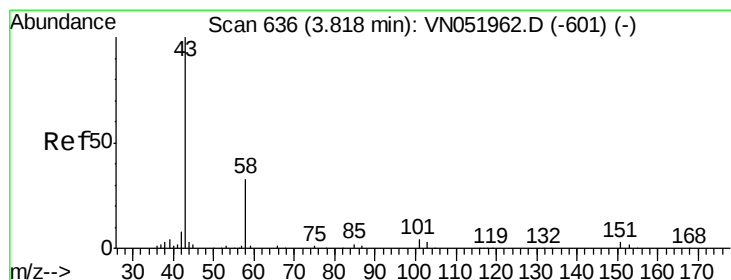
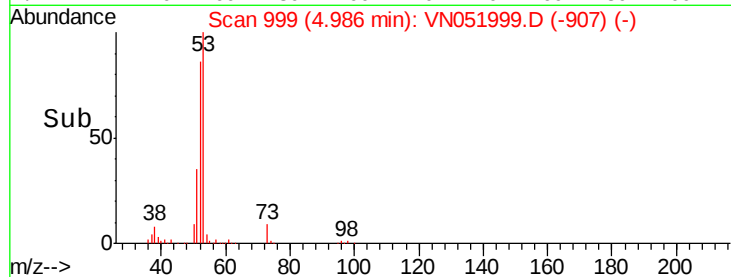
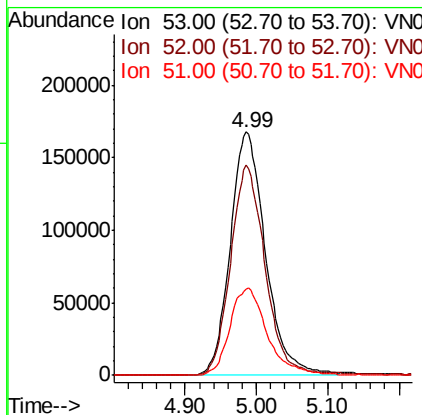
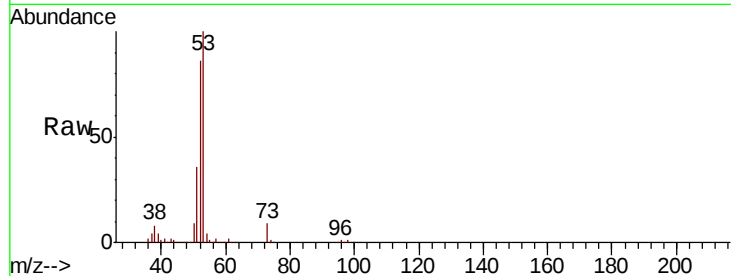
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	576524
Ion	Ratio	Lower	Upper
53	100		
52	84.8	67.0	100.4
51	38.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 208.886 ug/l

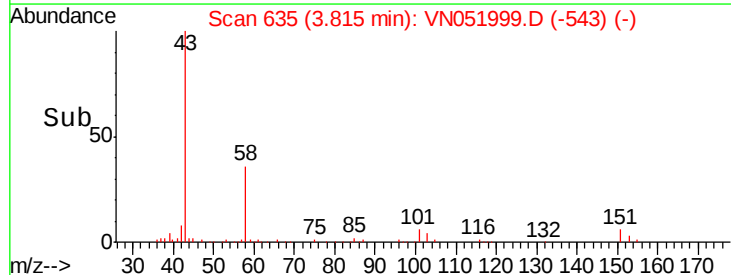
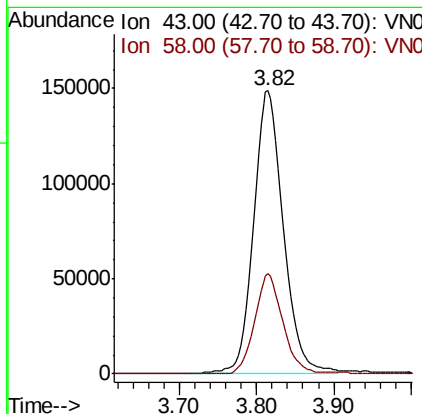
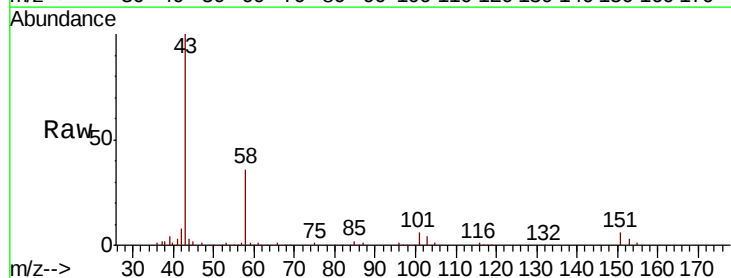
RT: 3.82 min Scan# 635

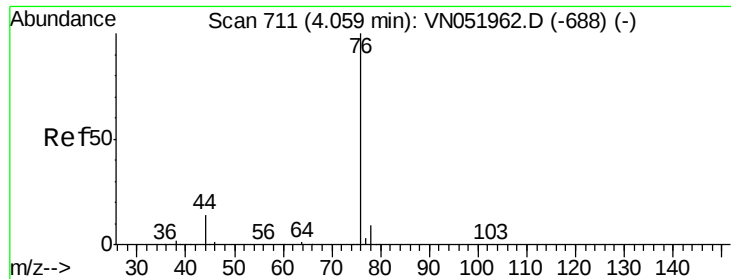
Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion:	43	Resp:	399645
Ion	Ratio	Lower	Upper
43	100		
58	35.5	26.7	40.1





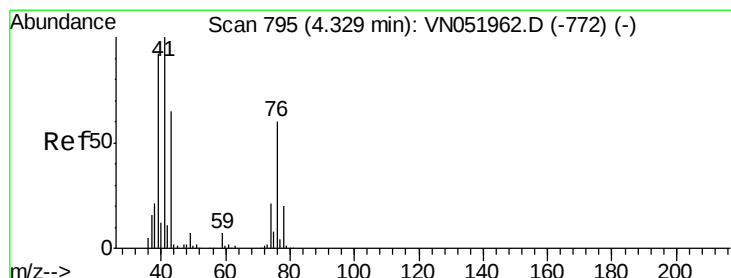
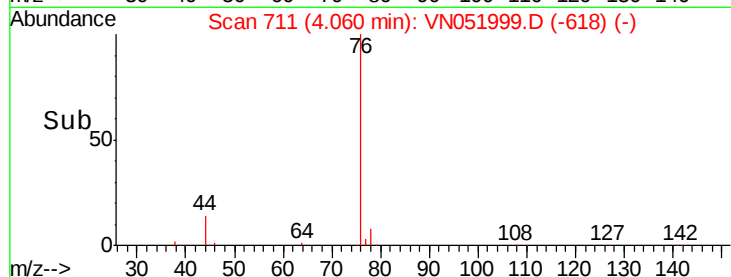
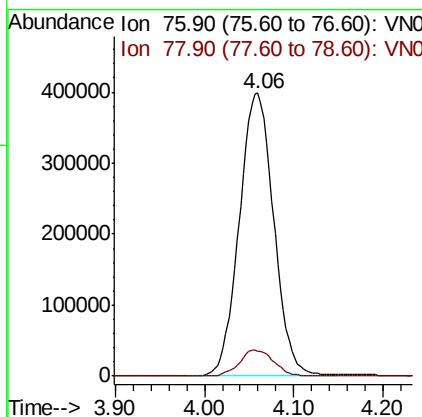
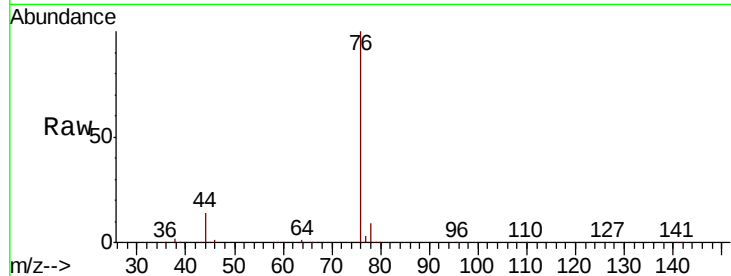
#17
Carbon Disulfide
Concen: 47.166 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1070227
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

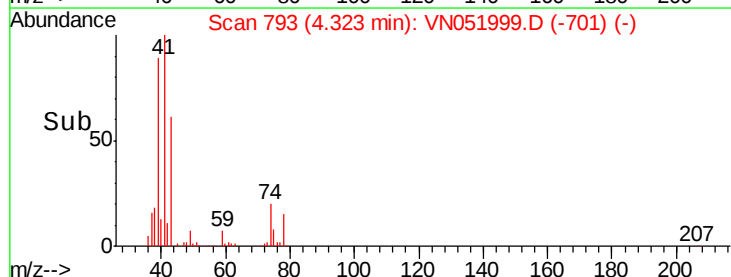
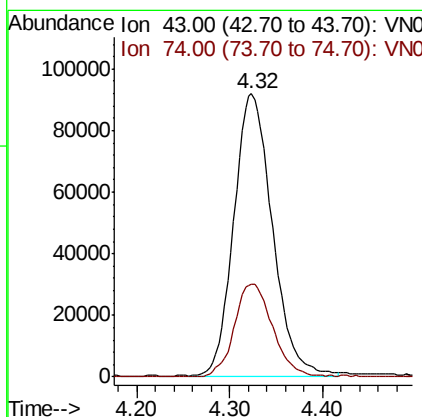
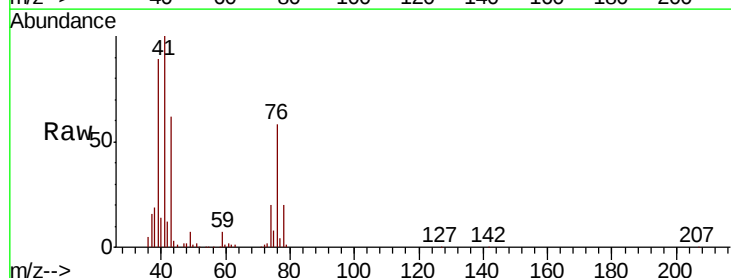
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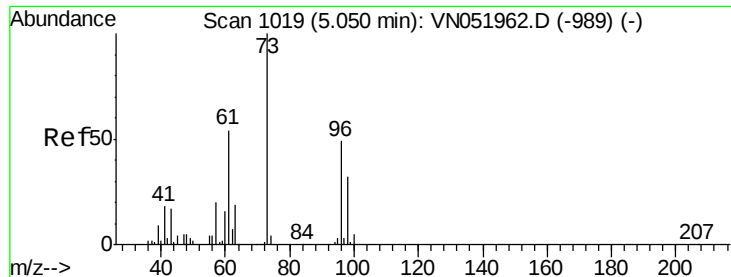
MMDadoda
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#18
Methyl Acetate
Concen: 45.102 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion: 43 Resp: 263392
Ion Ratio Lower Upper
43 100
74 33.0 25.7 38.5





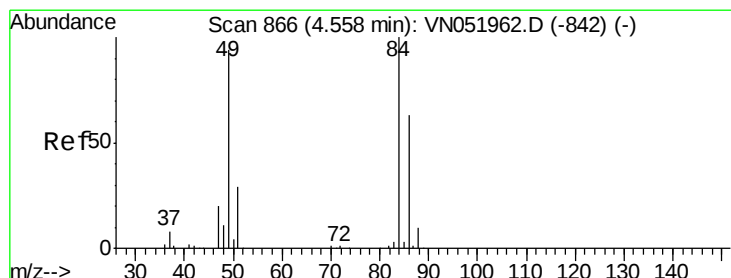
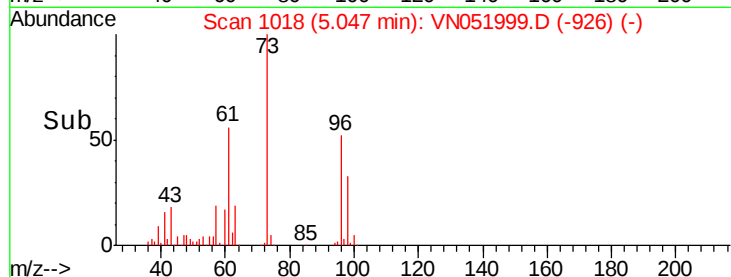
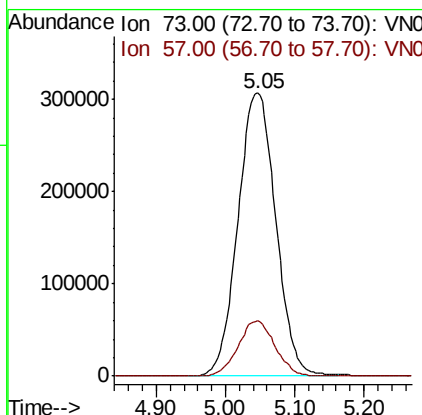
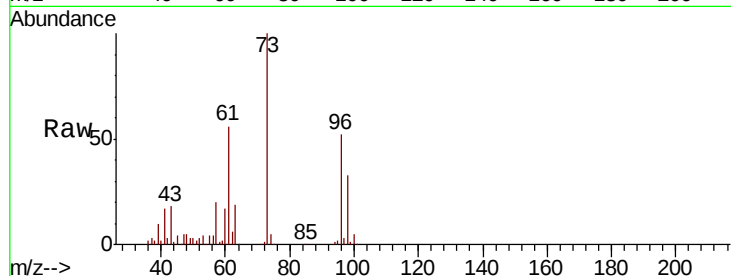
#19
Methvl tert-butvl Ether
Concen: 45.469 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1165296
Ion Ratio Lower Upper
73 100
57 19.5 15.9 23.9

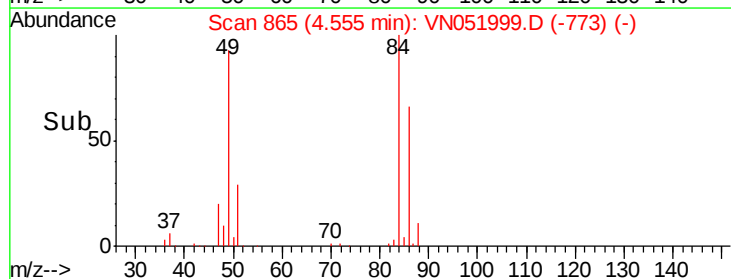
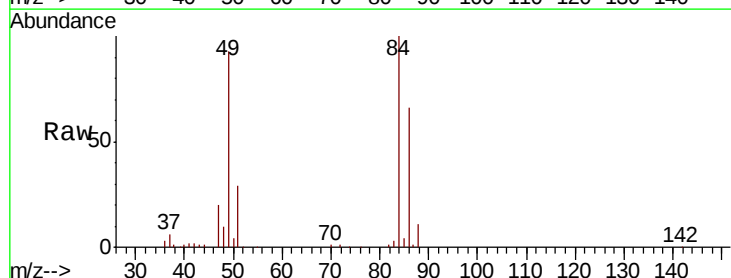
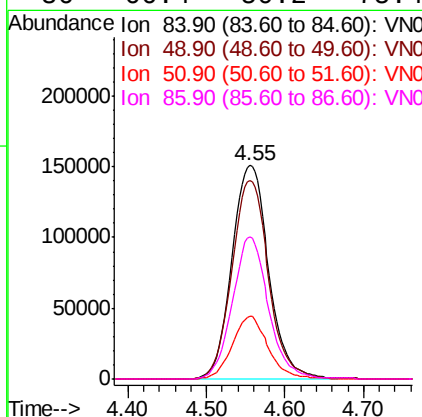
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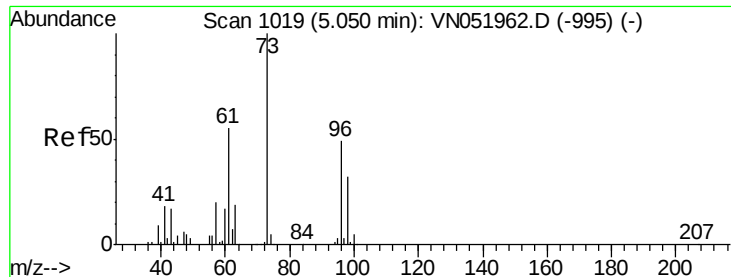
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#20
Methylene Chloride
Concen: 44.008 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion: 84 Resp: 493928
Ion Ratio Lower Upper
84 100
49 92.9 75.4 113.0
51 29.3 23.1 34.7
86 66.4 50.2 75.4





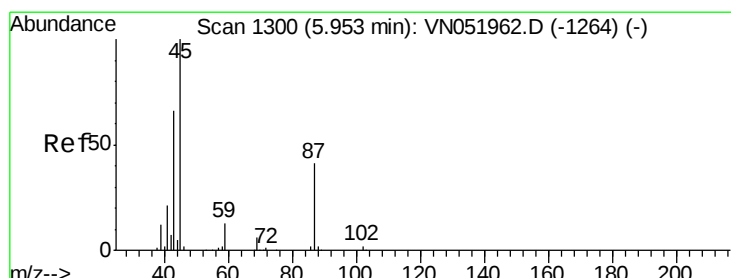
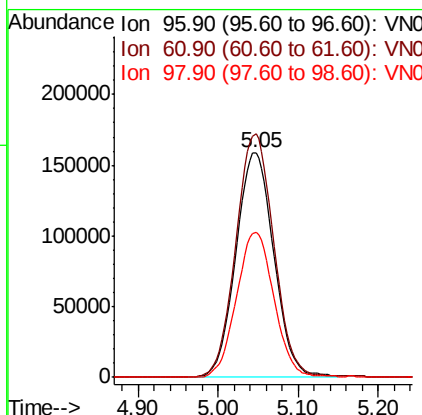
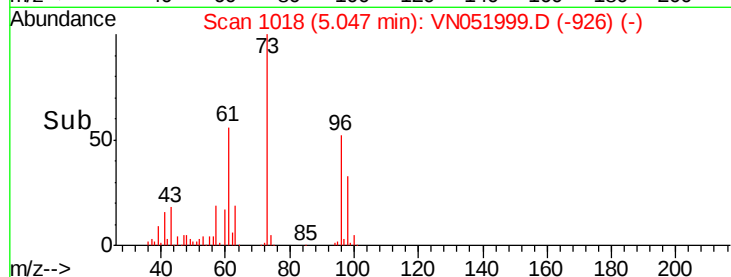
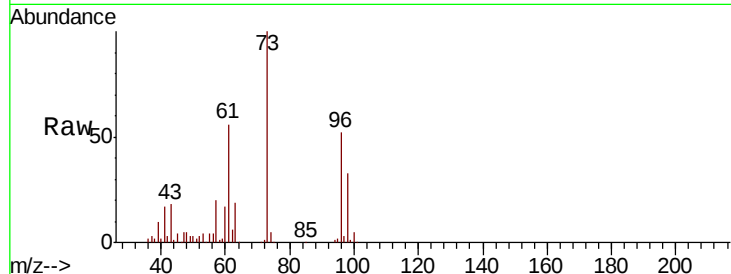
#21
trans-1,2-Dichloroethene
Concen: 47.231 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	108.4	89.0	133.4
98	64.5	51.8	77.8

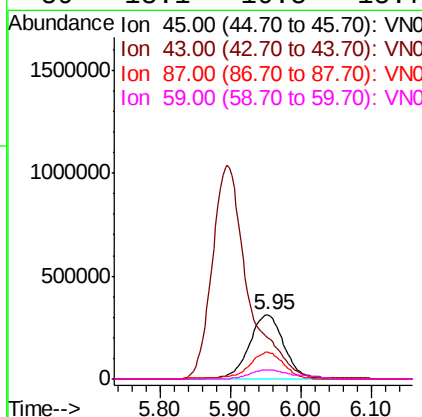
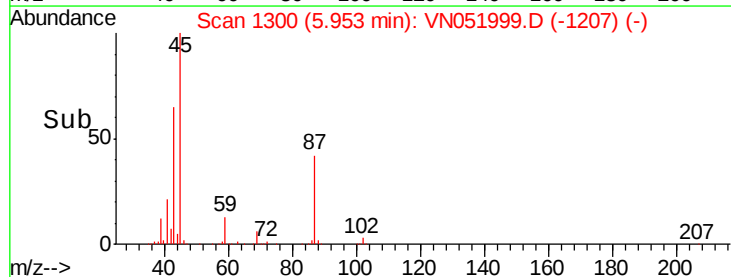
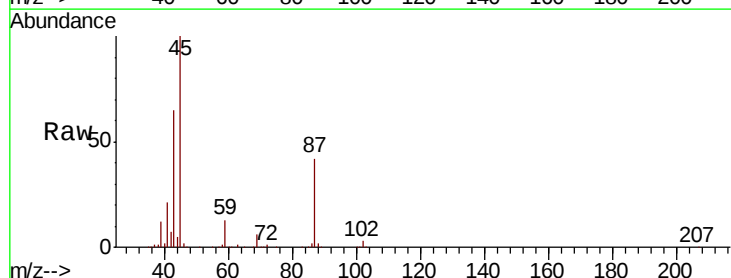
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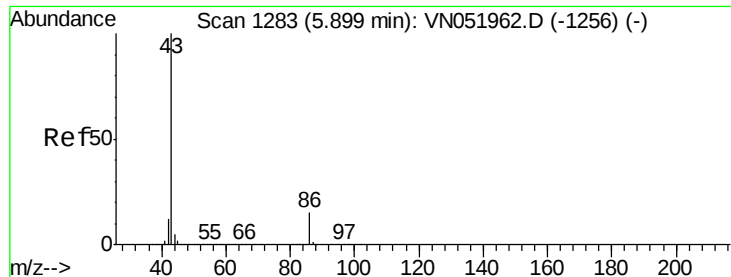
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#22
Diisopropyl ether
Concen: 46.247 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.1	52.9	79.3
87	41.6	33.4	50.0
59	13.1	10.5	15.7





#23

Vinyl Acetate

Concen: 234.109 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3680348

Ion Ratio Lower Upper

43 100

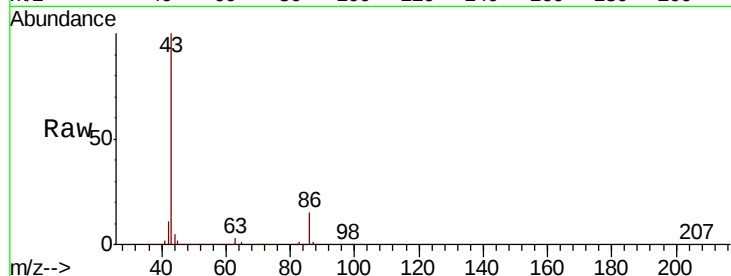
86 15.3 11.9 17.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

400000

200000

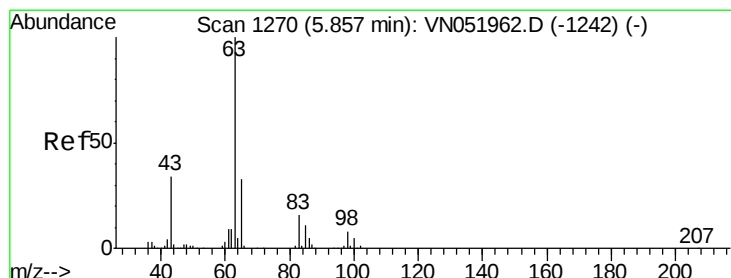
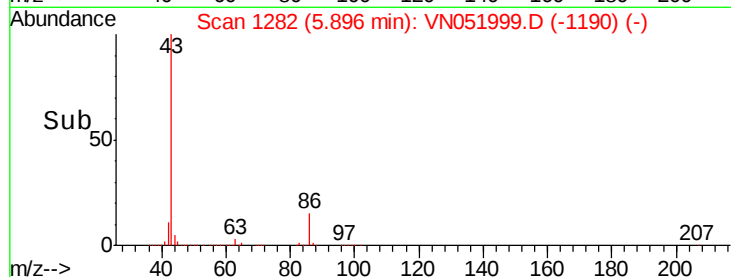
0

5.80

6.00

6.20

Time-->



#24

1,1-Dichloroethane

Concen: 45.847 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

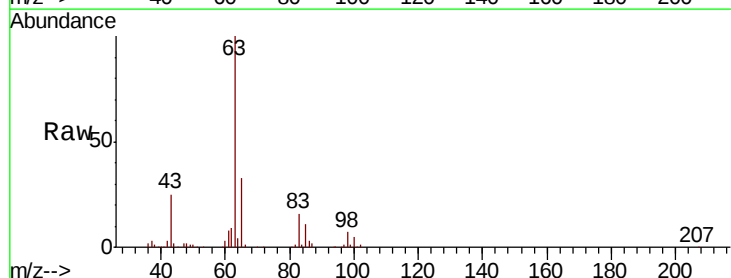
Tgt Ion: 63 Resp: 773522

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.9 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

300000

250000

200000

150000

100000

50000

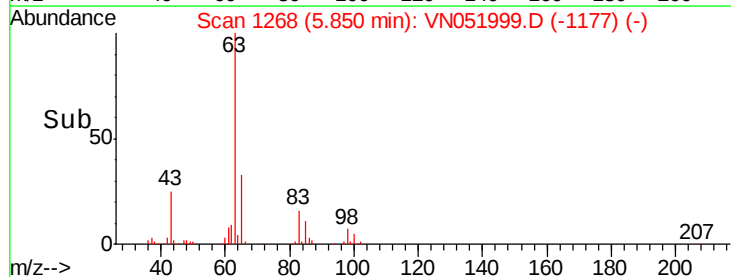
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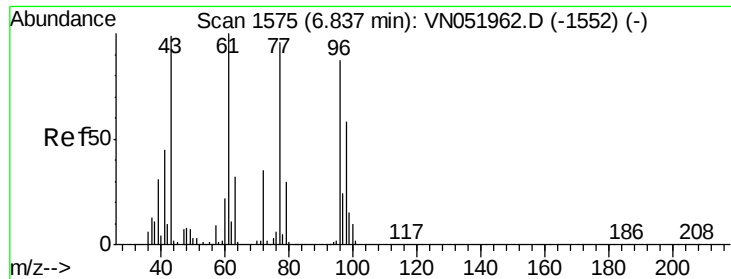
5.70

5.80

5.90

Time-->





#25

2-Butanone

Concen: 225.948 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 616270

Ion Ratio Lower Upper

43 100

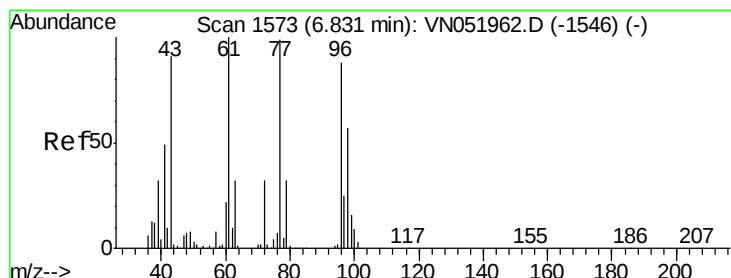
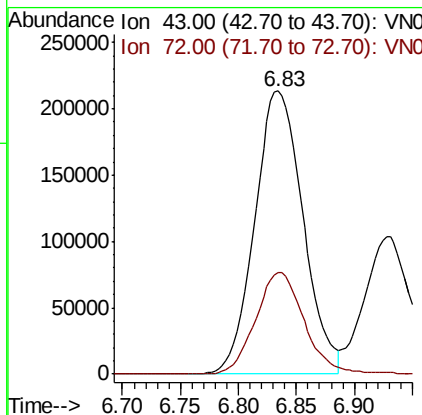
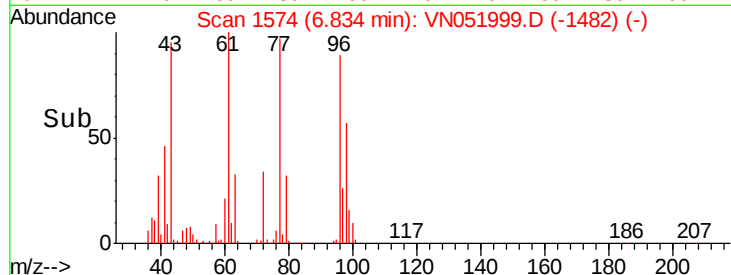
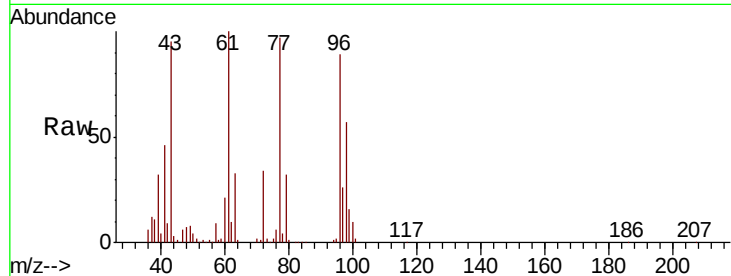
72 36.1 28.5 42.7

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#26

2,2-Dichloropropane

Concen: 48.359 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051999.D

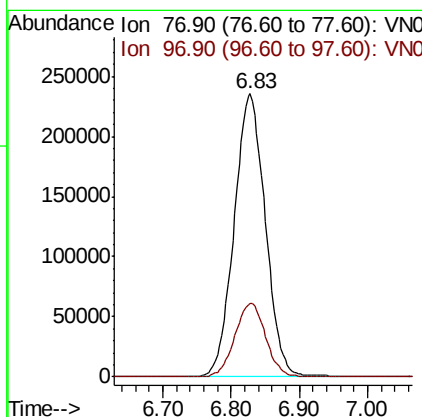
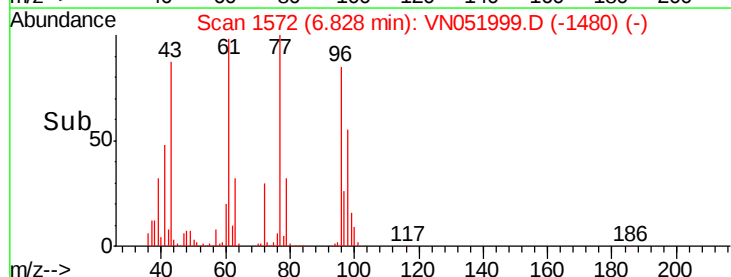
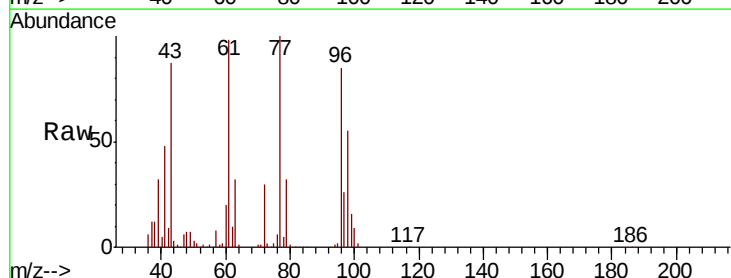
Acq: 25 Oct 2018 8:41

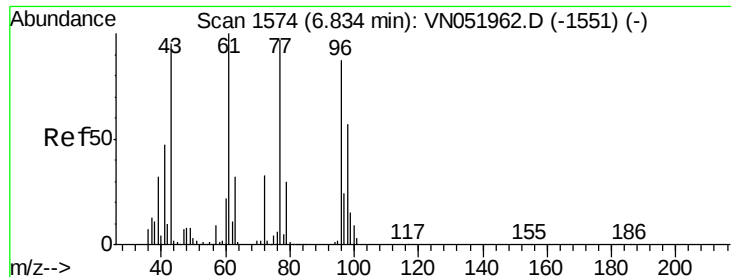
Tgt Ion: 77 Resp: 746501

Ion Ratio Lower Upper

77 100

97 25.8 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 47.243 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

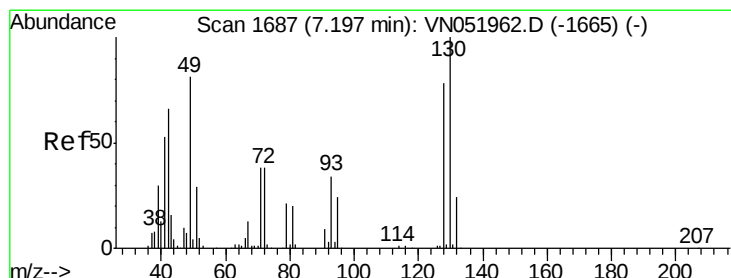
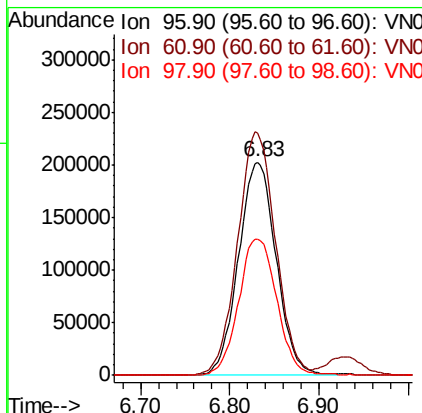
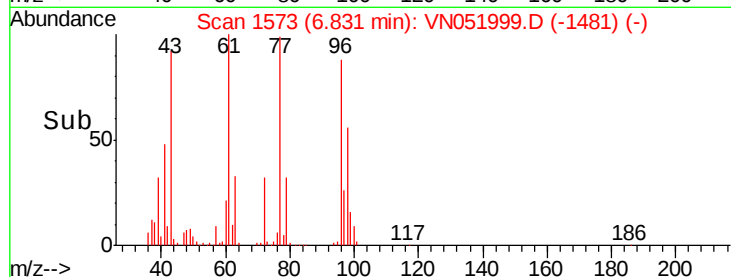
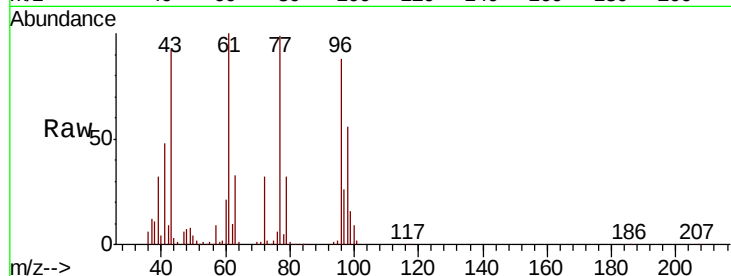
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	596634
Ion	Ratio	Lower	Upper
96	100		
61	114.8	0.0	234.4
98	64.6	0.0	131.6

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#28

Bromochloromethane

Concen: 46.930 ug/l

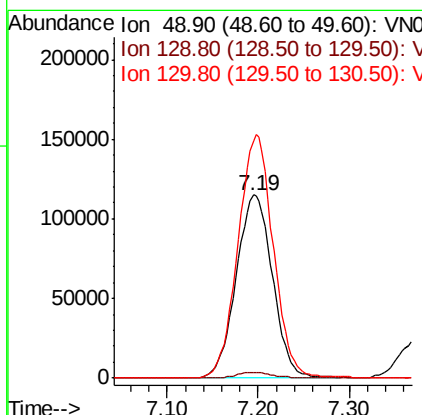
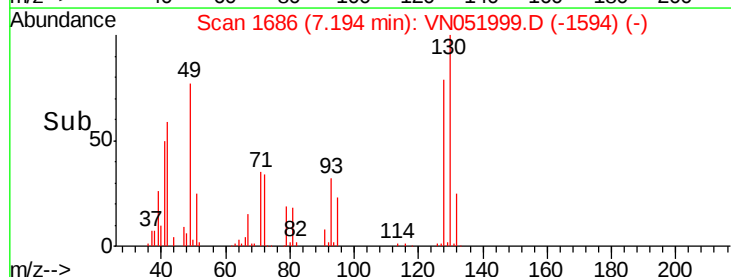
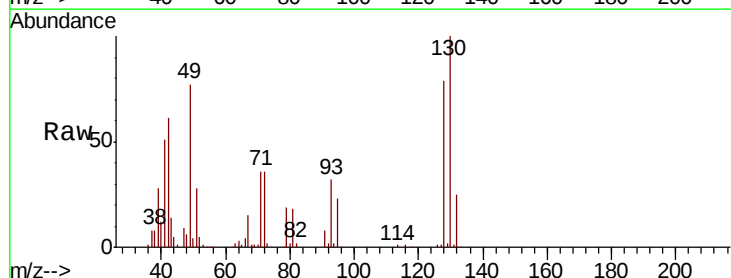
RT: 7.19 min Scan# 1686

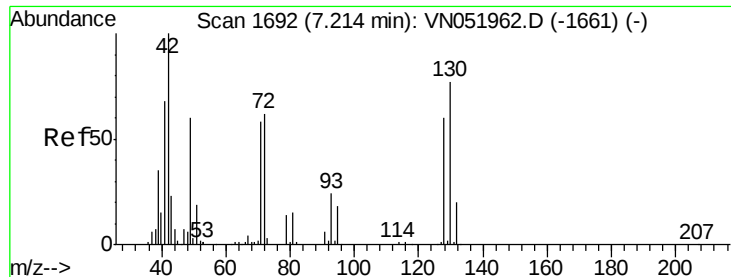
Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion:	49	Resp:	319119
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.4
130	129.3	97.0	145.6





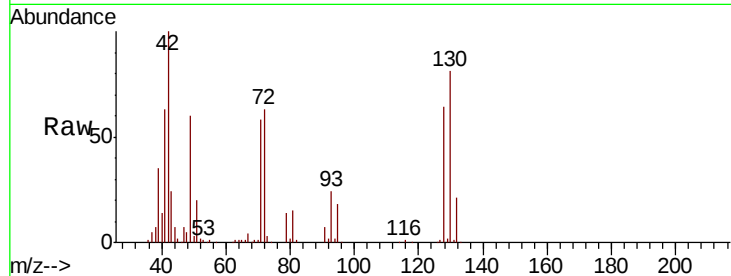
#29
Tetrahydrofuran
Concen: 212.313 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

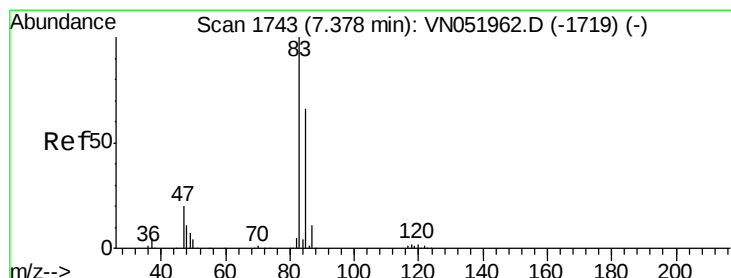
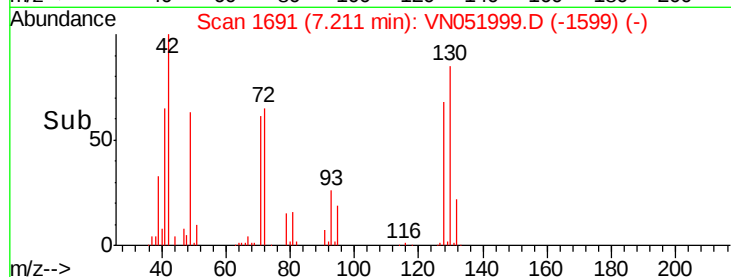
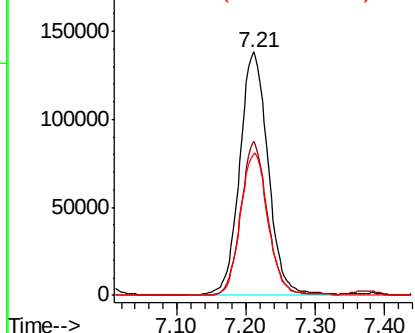
Tot Ion	Ratio	Lower	Upper
42	100		
72	59.8	47.5	71.3
71	56.9	45.4	68.2

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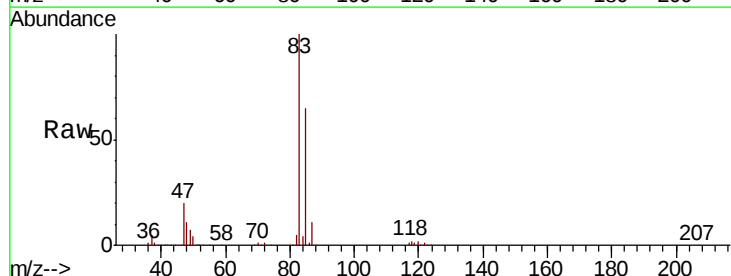


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

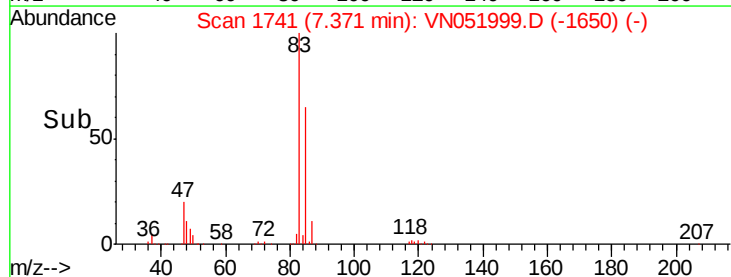
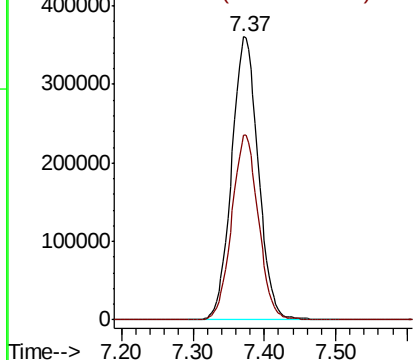


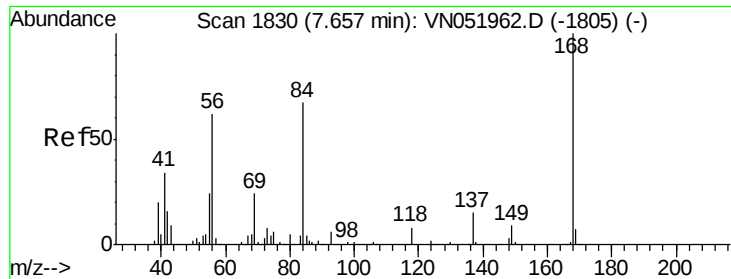
#30
Chloroform
Concen: 45.632 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.8	79.2



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





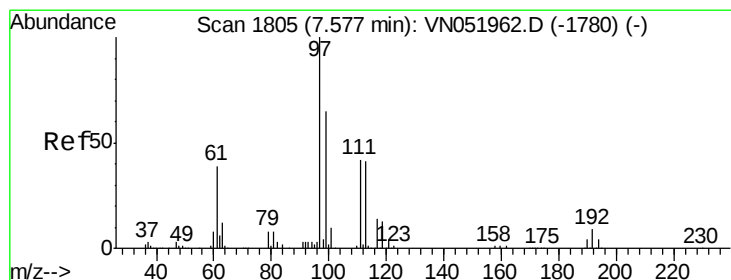
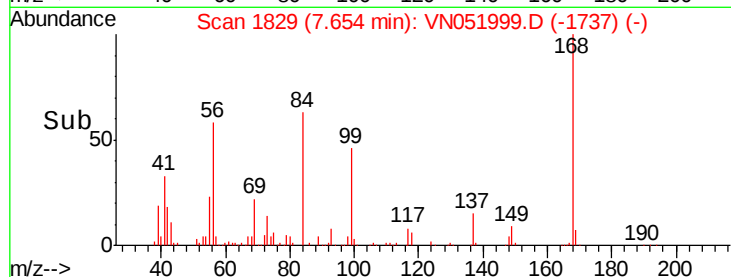
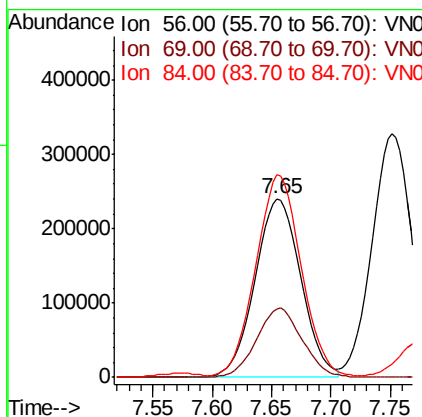
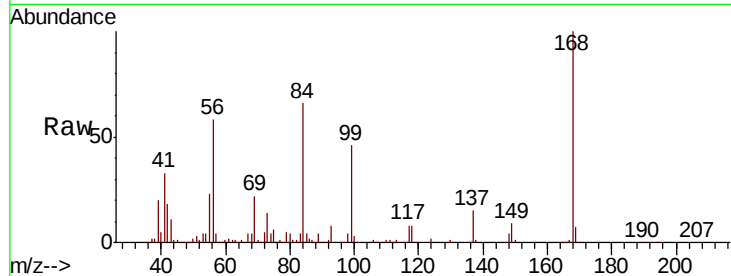
#31
Cyclohexane
Concen: 47.078 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	31.2	46.8
84	111.3	86.3	129.5

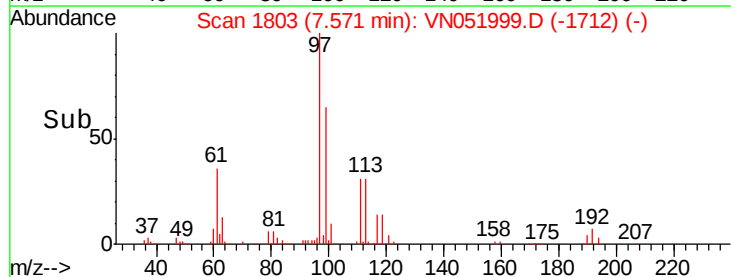
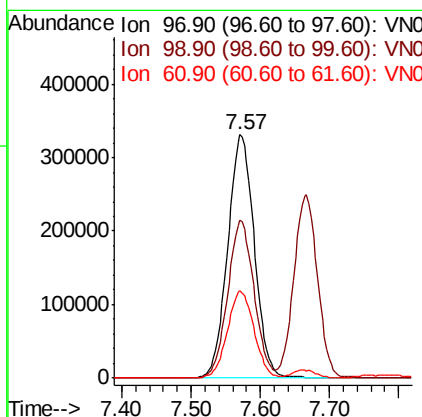
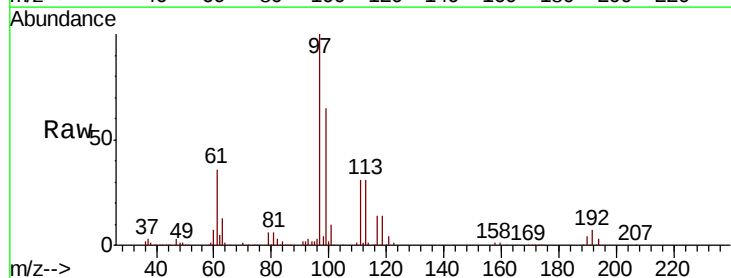
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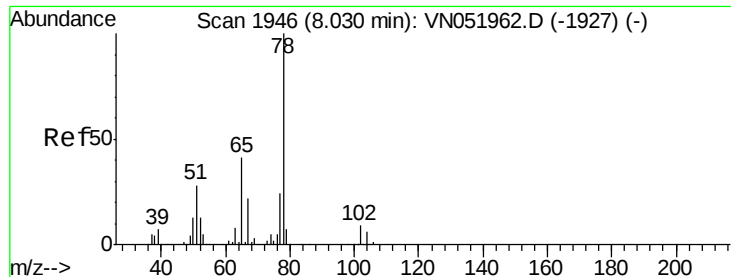
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#32
1,1,1-Trichloroethane
Concen: 47.123 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.5	77.3
61	35.9	30.1	45.1





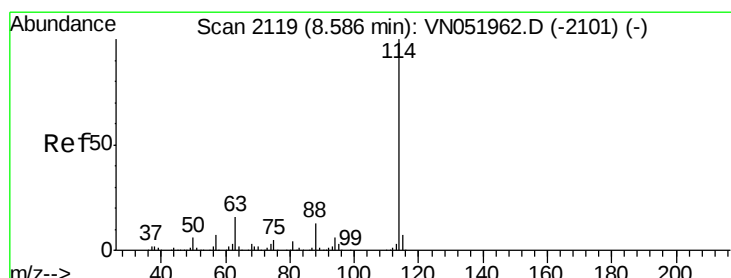
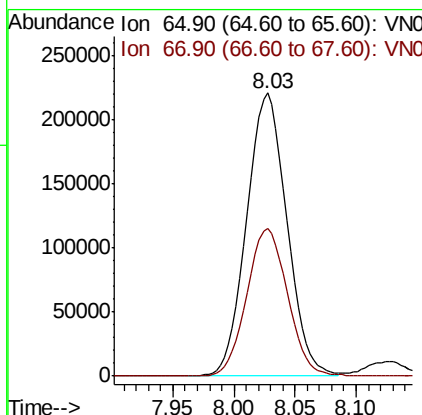
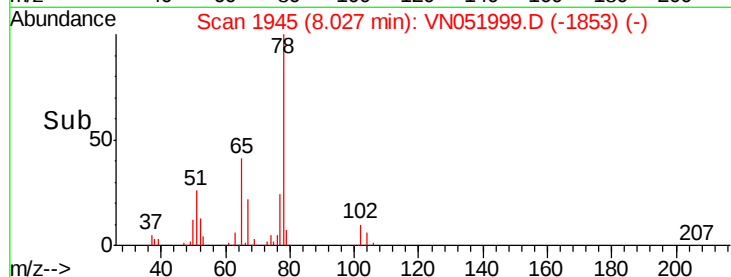
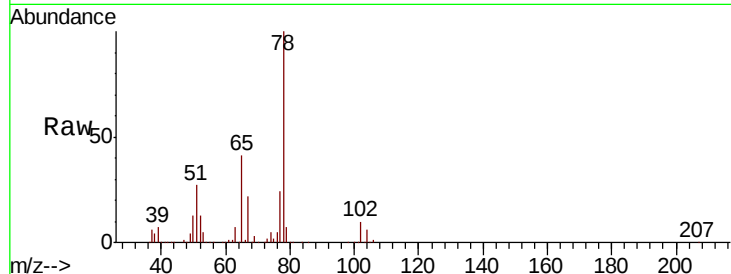
#33
 1,2-Dichloroethane-d4
 Concen: 47.123 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	505534		
67	52.9	0.0	105.8	

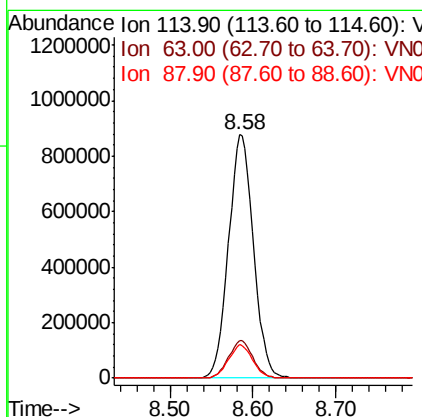
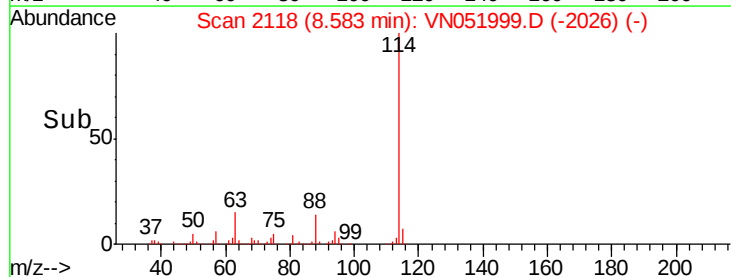
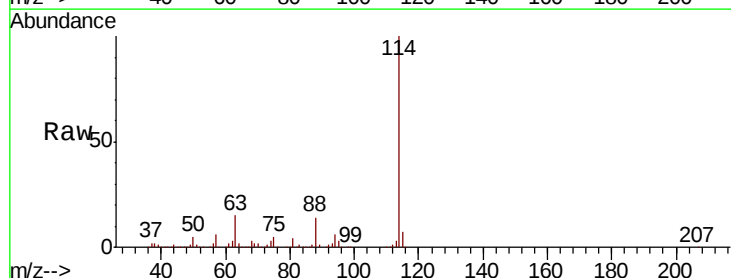
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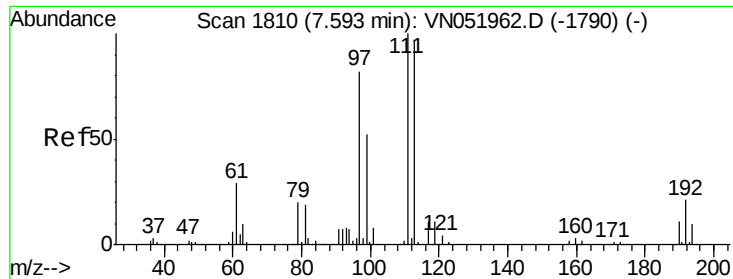
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1831853		
63	15.4	0.0	31.2	
88	13.7	0.0	27.0	





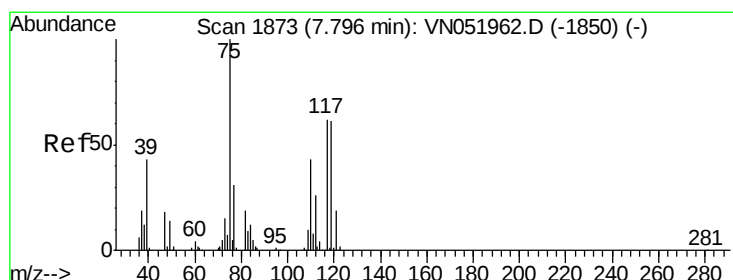
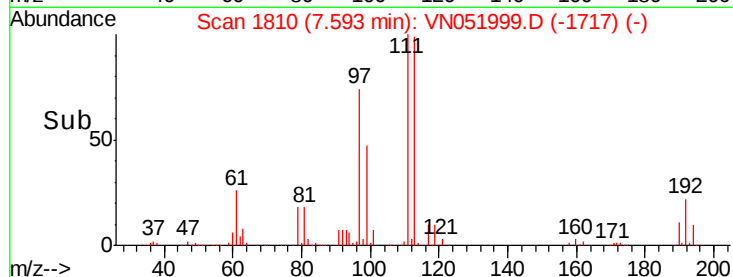
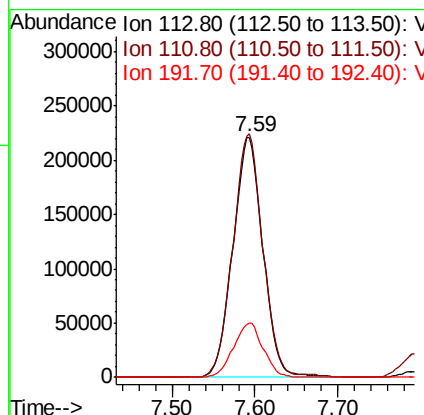
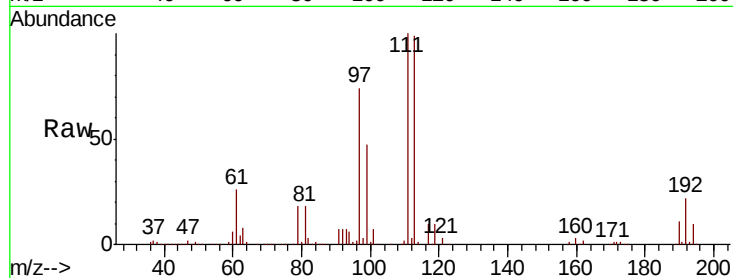
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	80.7	121.1	
192	22.4	17.2	25.8	

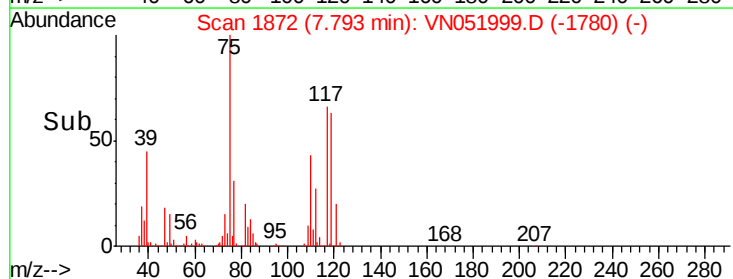
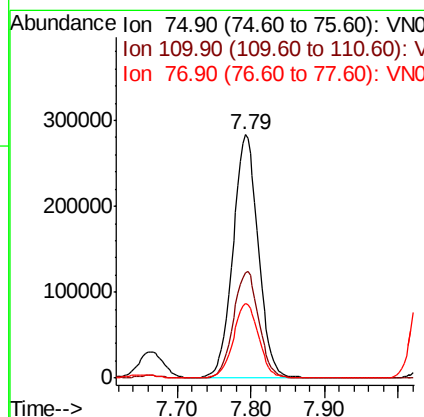
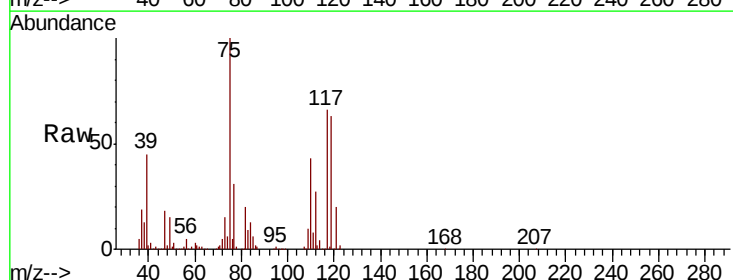
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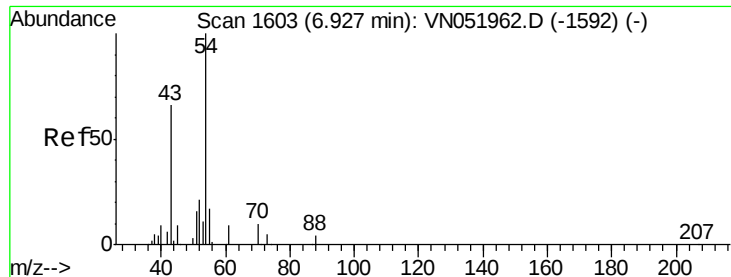
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#36
1,1-Dichloropropene
Concen: 48.089 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	44.0	20.9	62.8	
77	31.0	24.9	37.3	





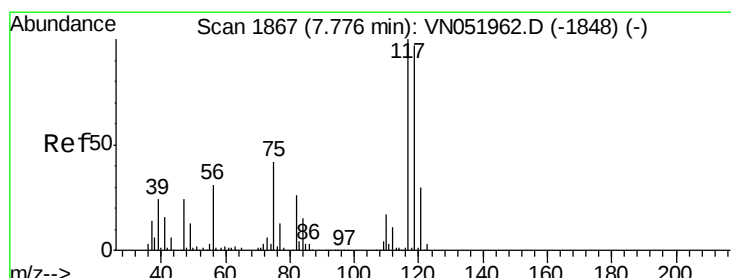
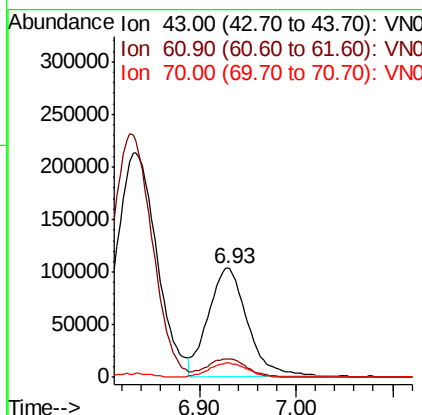
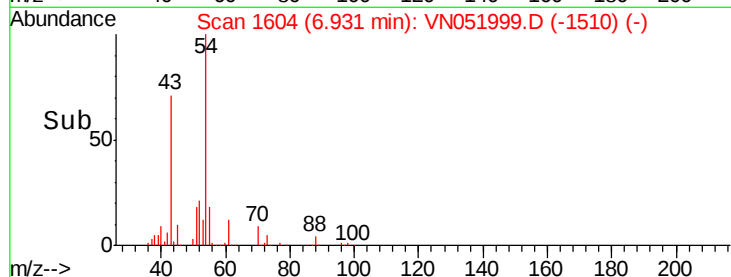
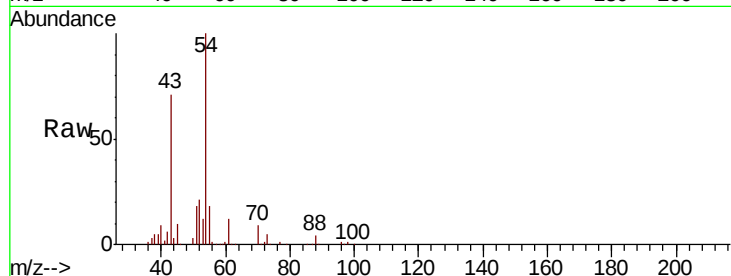
#37
Ethyl Acetate
Concen: 45.973 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.2	13.5	20.3
70	12.5	9.8	14.6

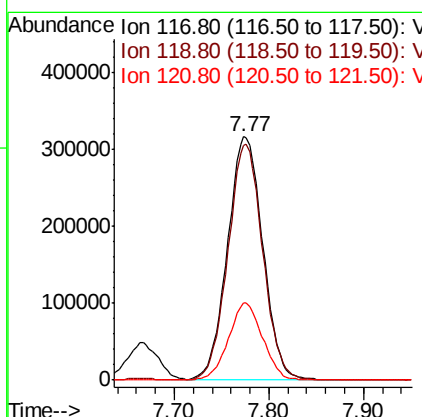
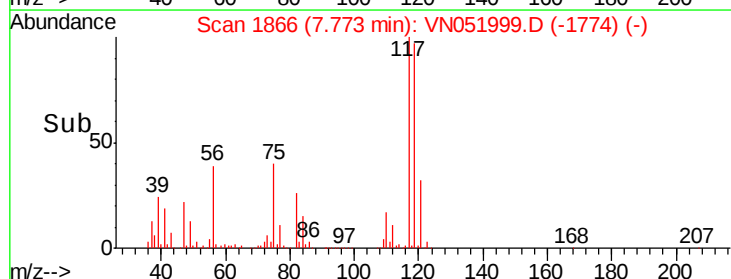
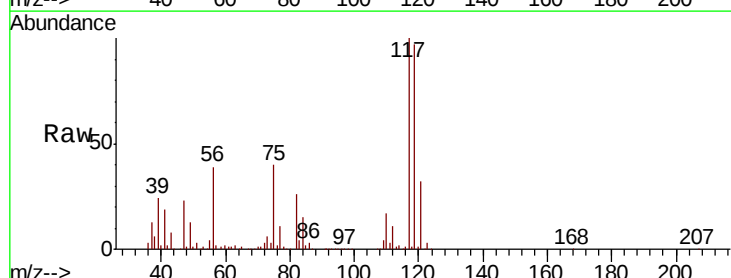
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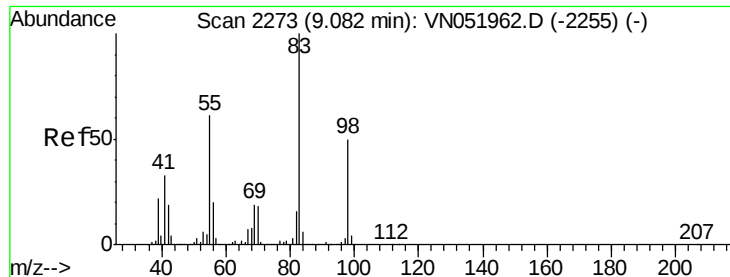
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#38
Carbon Tetrachloride
Concen: 50.696 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.4	116.0
121	31.5	24.2	36.4





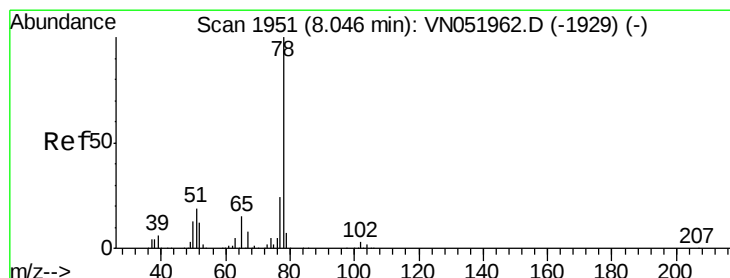
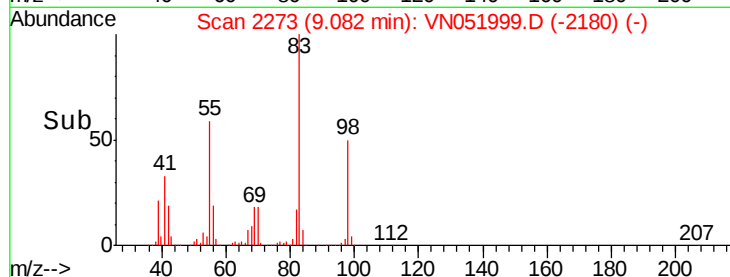
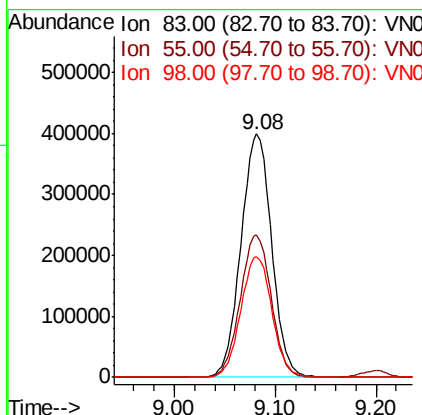
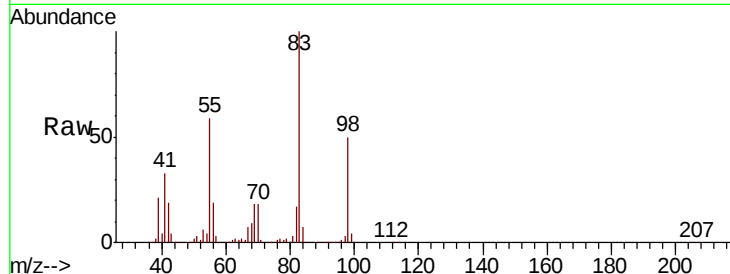
#39
Methvlcvclohexane
Concen: 48.931 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	839793
Ion Ratio	100	Lower	Upper
83	100		
55	58.6	48.9	73.3
98	49.7	40.2	60.2

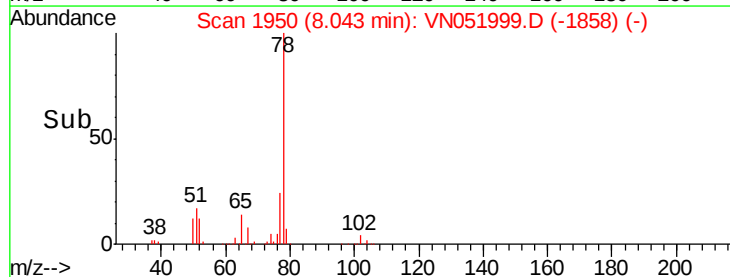
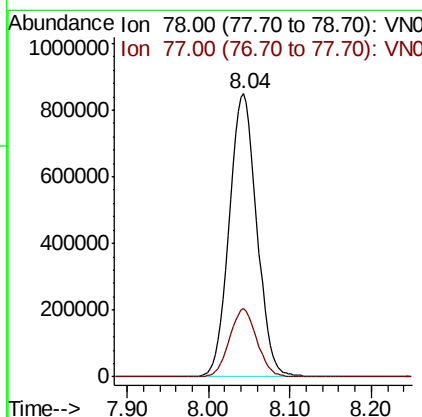
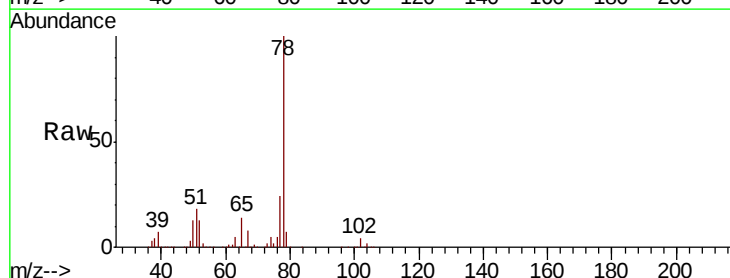
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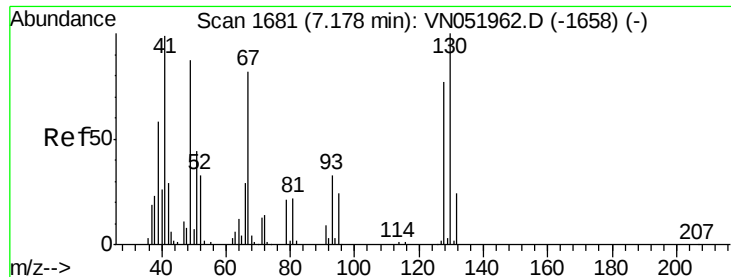
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#40
Benzene
Concen: 48.181 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	78	Resp	2010220
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 50.385 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 159098

Ion Ratio Lower Upper

41 100

39 59.7 53.1 79.7

67 103.3 93.8 140.6

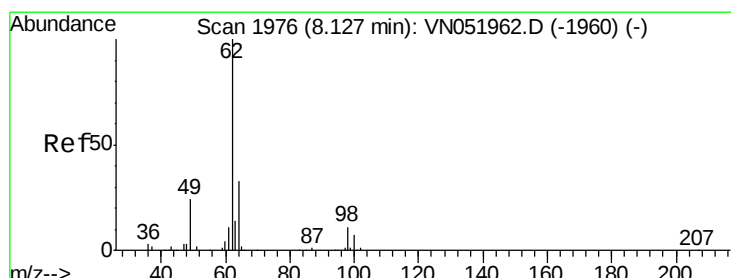
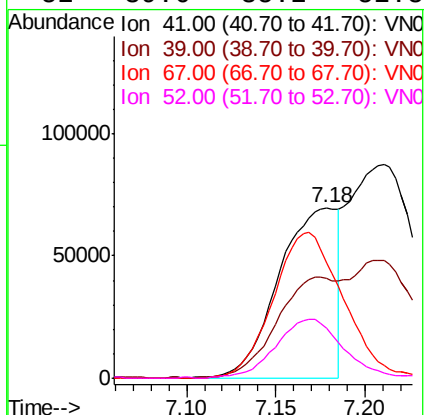
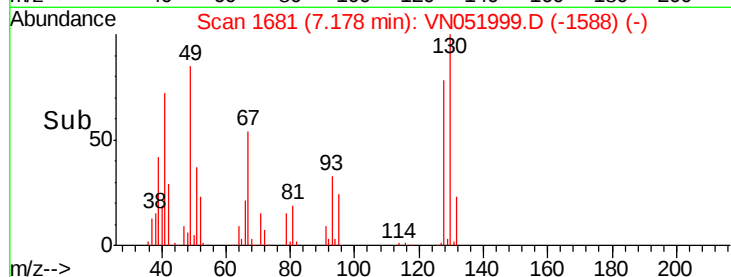
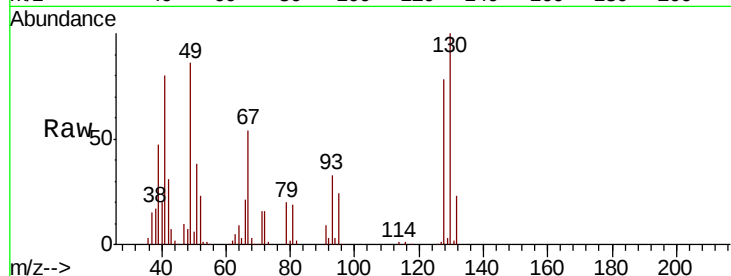
52 39.6 35.2 52.8

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 46.253 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN051999.D

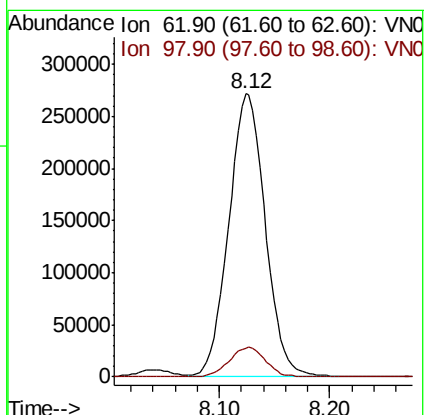
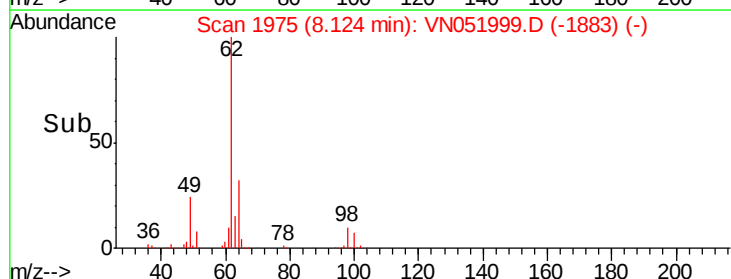
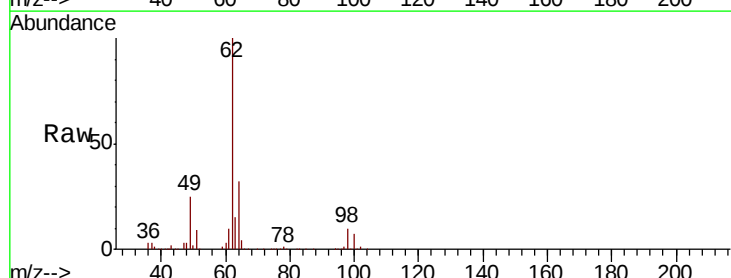
Acq: 25 Oct 2018 8:41

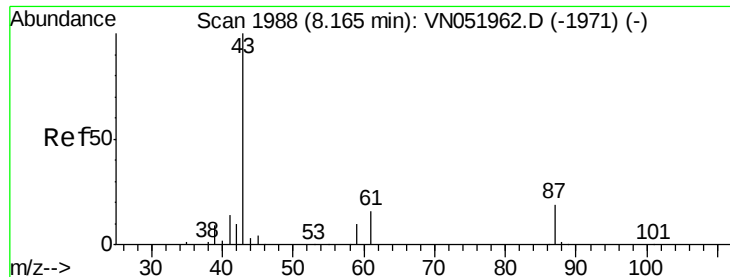
Tgt Ion: 62 Resp: 618745

Ion Ratio Lower Upper

62 100

98 10.5 0.0 20.6





#43

Isopropyl Acetate

Concen: 47.639 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

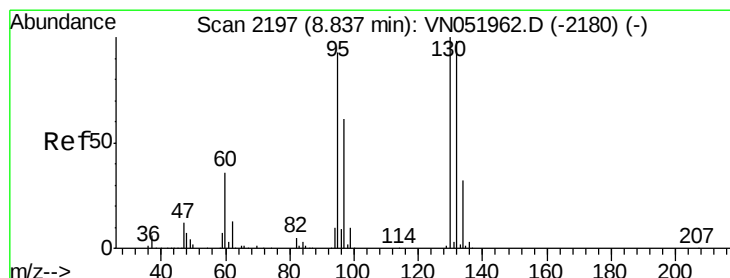
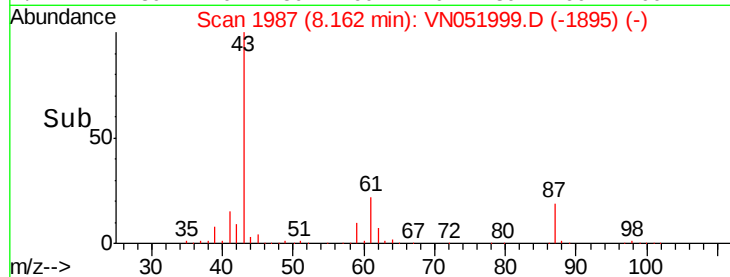
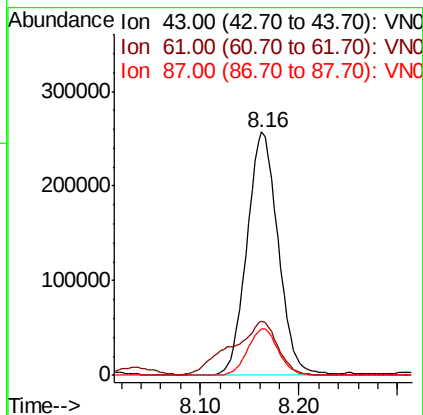
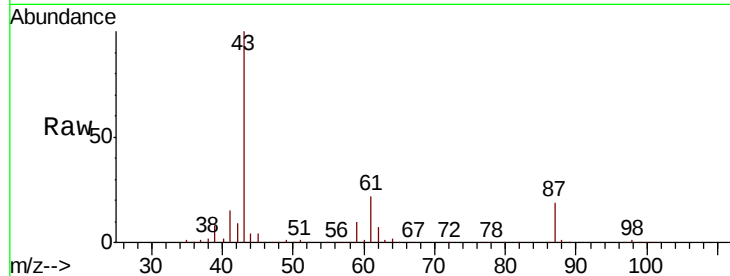
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	560628
Ion	Ratio	Lower	Upper
43	100		
61	32.8	17.2	25.8#
87	18.7	15.2	22.8

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#44

Trichloroethene

Concen: 50.379 ug/l

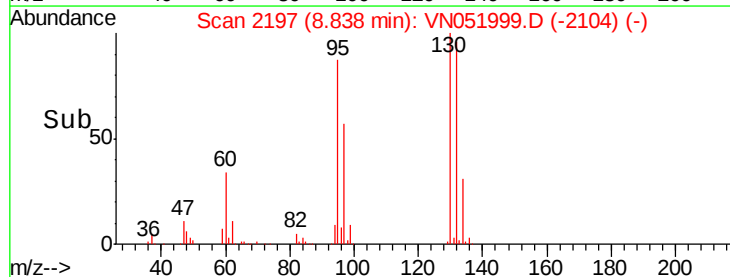
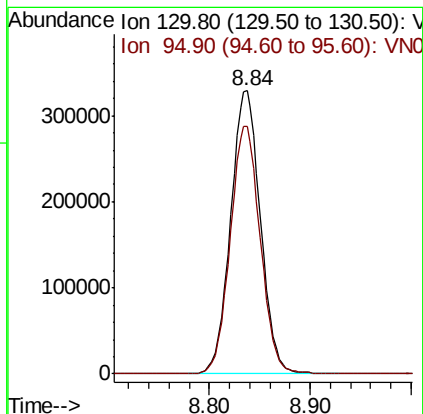
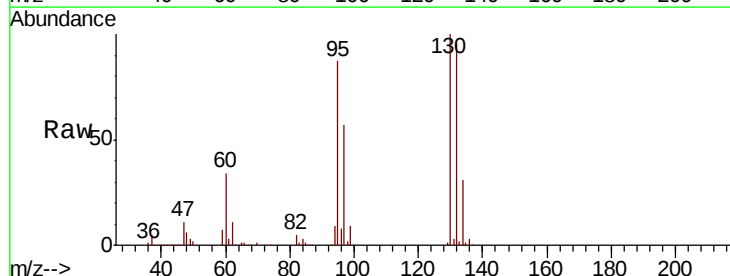
RT: 8.84 min Scan# 2197

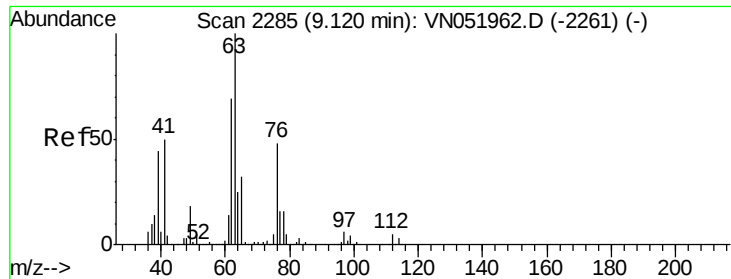
Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion:	130	Resp:	674669
Ion	Ratio	Lower	Upper
130	100		
95	87.3	0.0	185.2





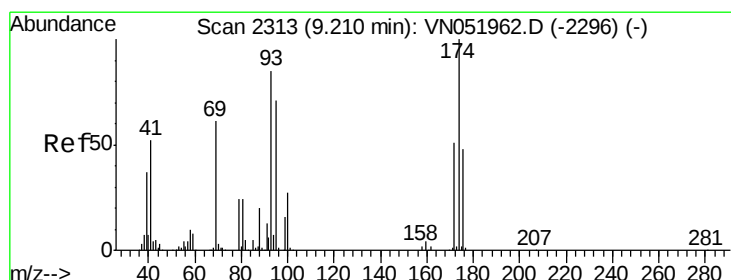
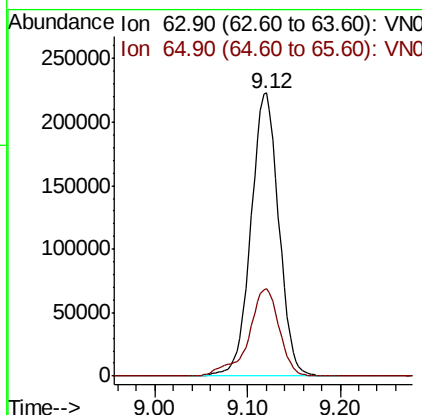
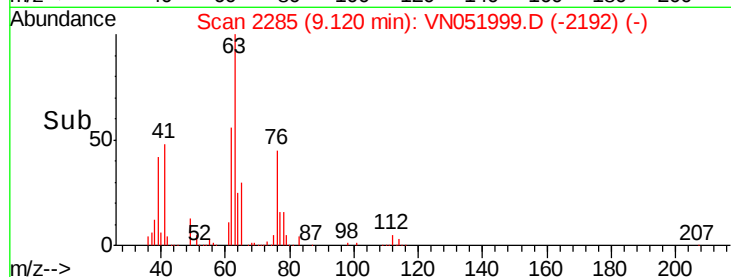
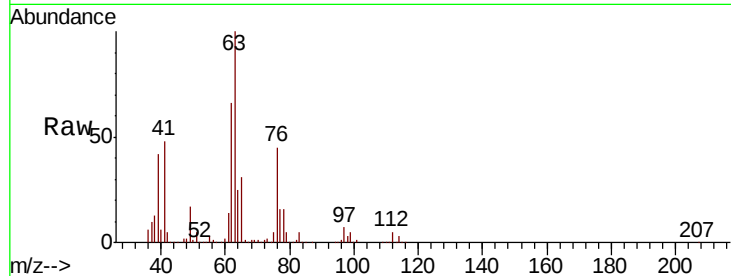
#45
 1,2-Dichloropropane
 Concen: 49.148 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.8	38.6

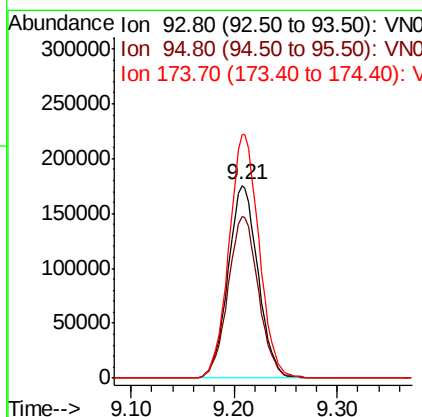
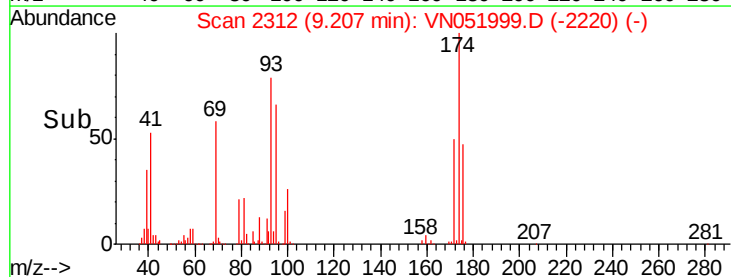
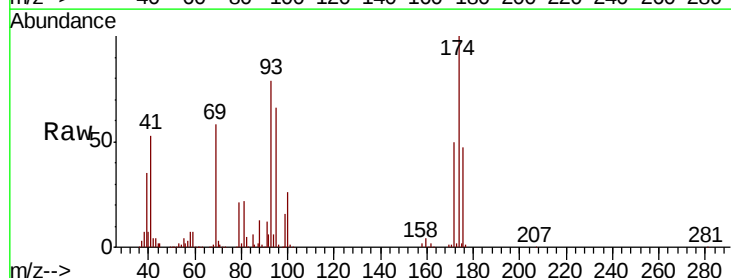
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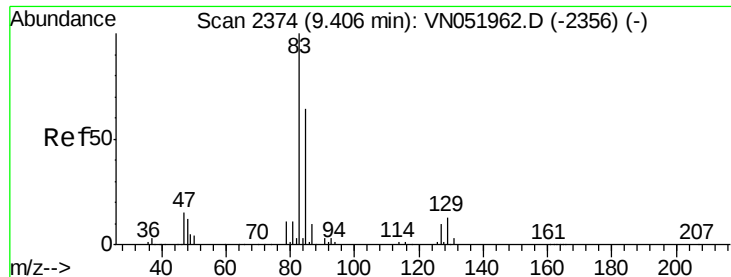
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#46
 Dibromomethane
 Concen: 46.654 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.2	66.7	100.1
174	126.9	93.8	140.6





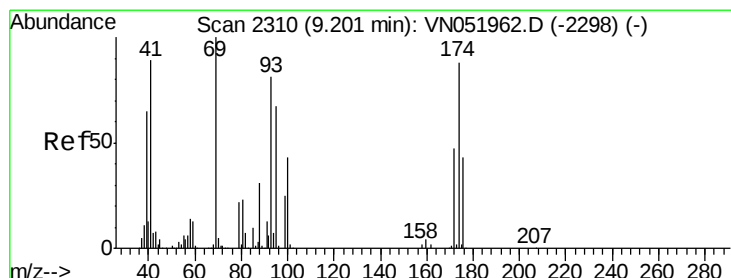
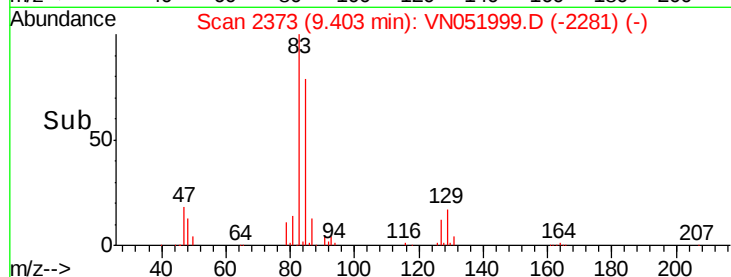
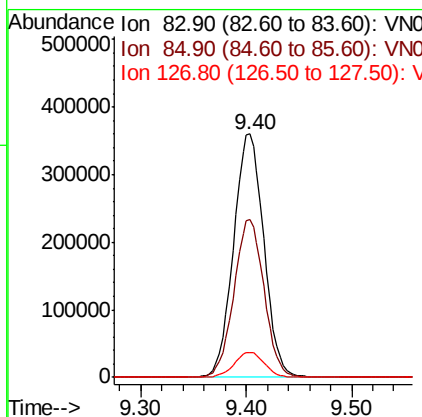
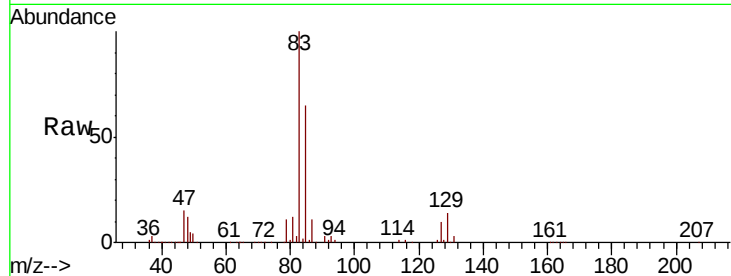
#47
Bromodichloromethane
Concen: 49.793 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.0	51.0	76.4	
127	10.3	7.8	11.8	

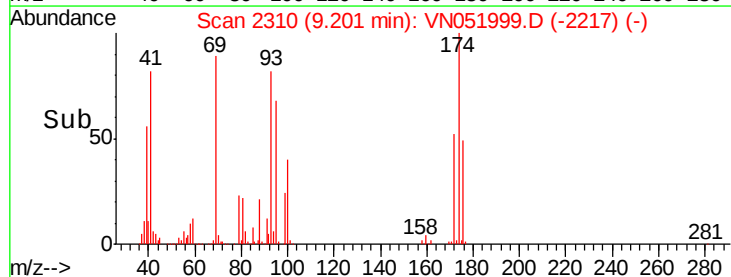
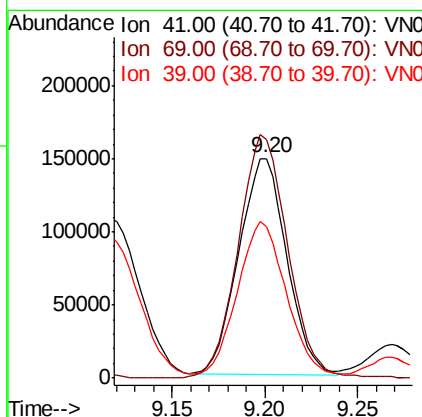
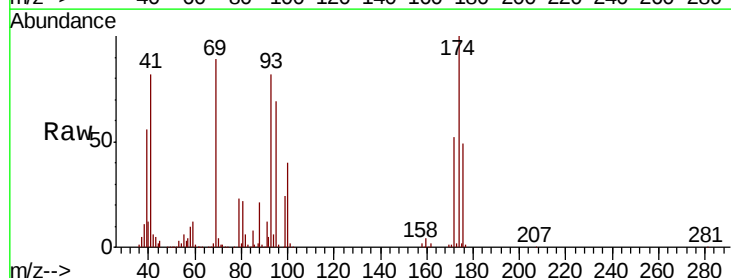
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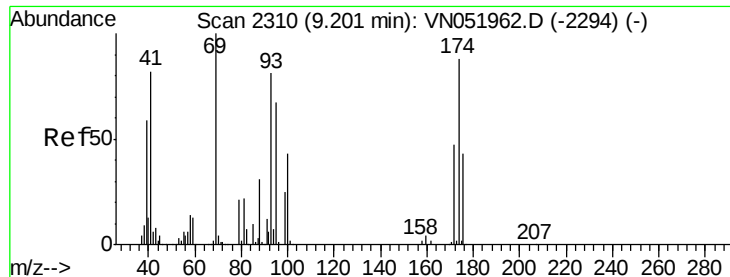
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#48
Methyl methacrylate
Concen: 46.808 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	116.8	92.2	138.4	
39	74.7	60.2	90.4	





#49

1,4-Dioxane

Concen: 738.100 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

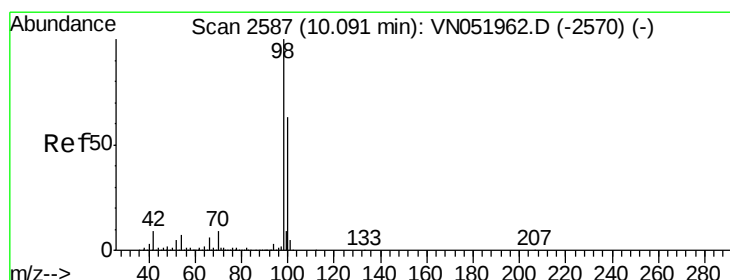
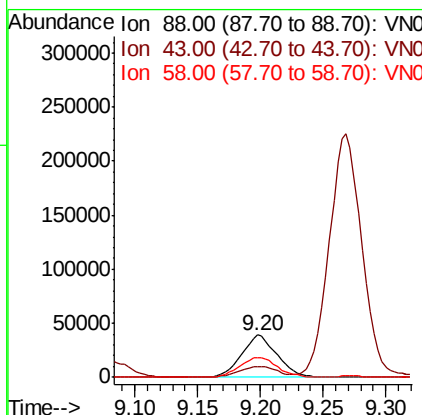
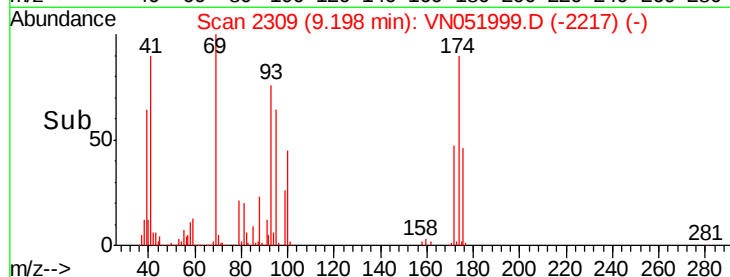
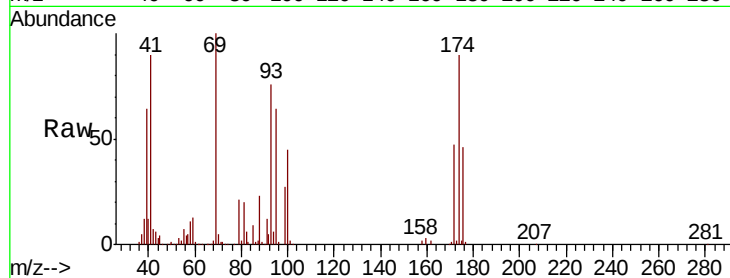
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	76984
Ion	Ratio	Lower	Upper
88	100		
43	26.4	18.8	28.2
58	50.4	39.8	59.6

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#50

Toluene-d8

Concen: 738.100 ug/l

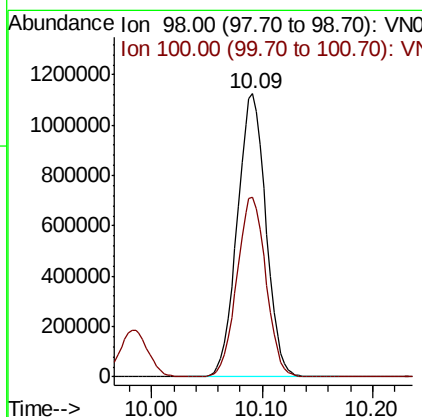
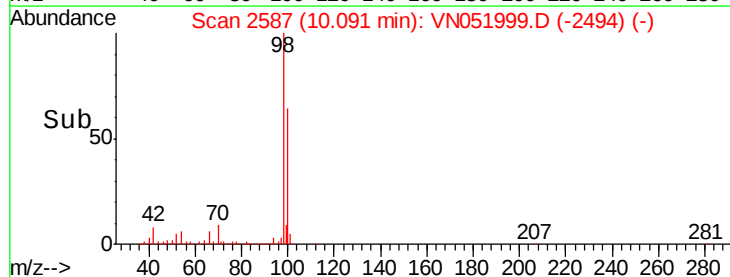
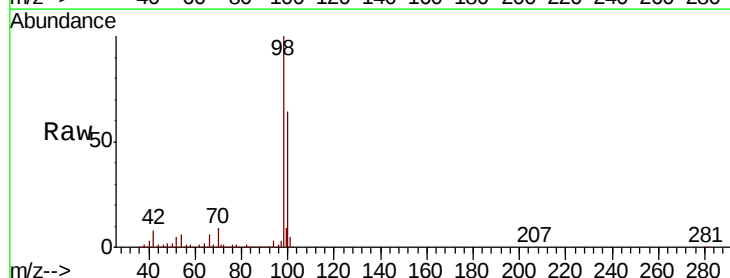
RT: 10.09 min Scan# 2587

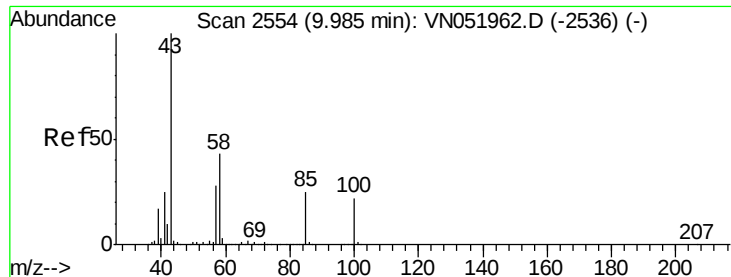
Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion:	98	Resp:	2019118
Ion	Ratio	Lower	Upper
98	100		
100	64.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 230.955 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1495020

Ion Ratio Lower Upper

43 100

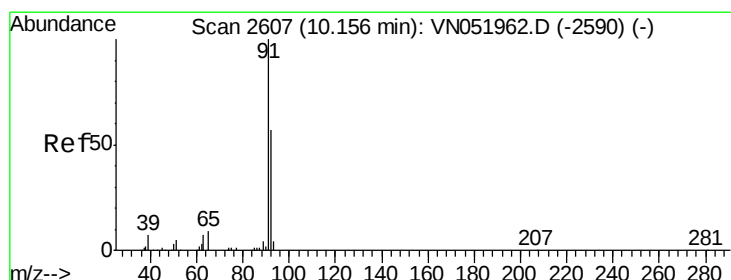
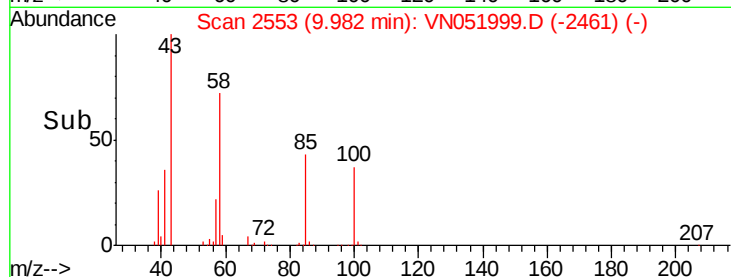
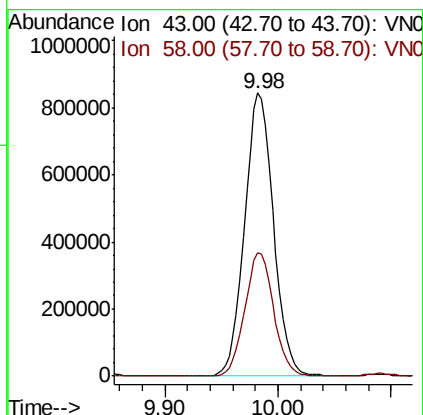
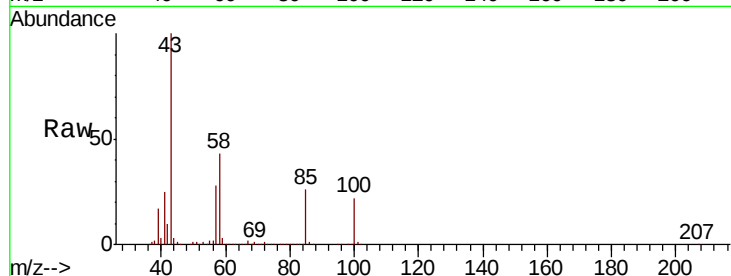
58 43.7 34.8 52.2

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#52

Toluene

Concen: 49.636 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051999.D

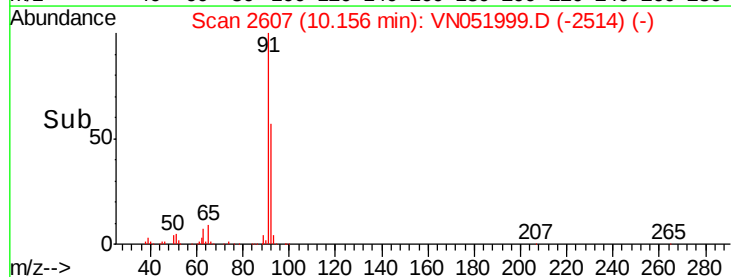
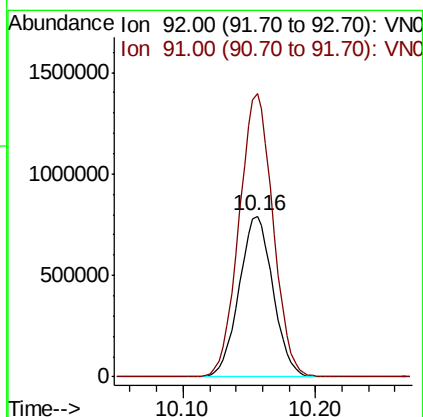
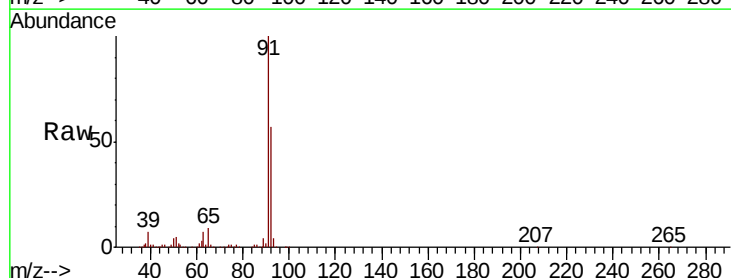
Acq: 25 Oct 2018 8:41

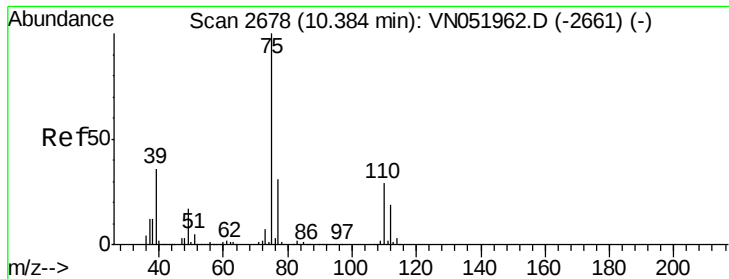
Tgt Ion: 92 Resp: 1404313

Ion Ratio Lower Upper

92 100

91 176.4 139.8 209.6





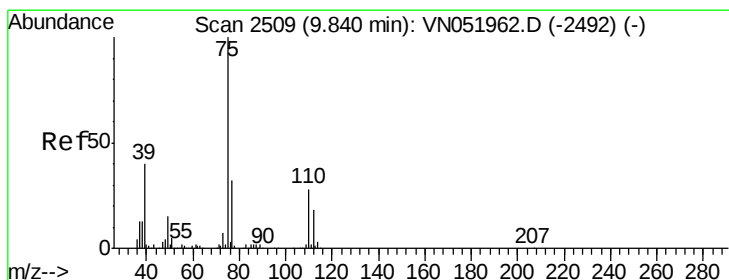
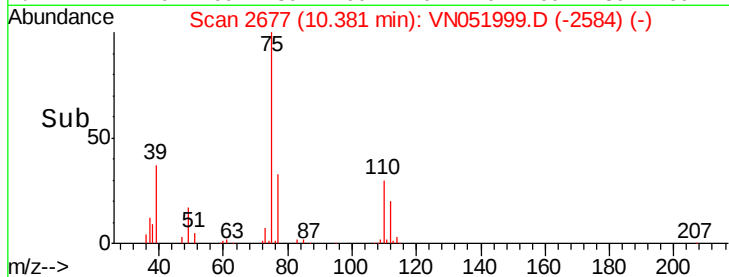
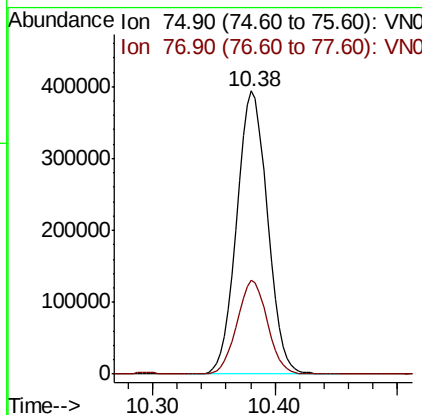
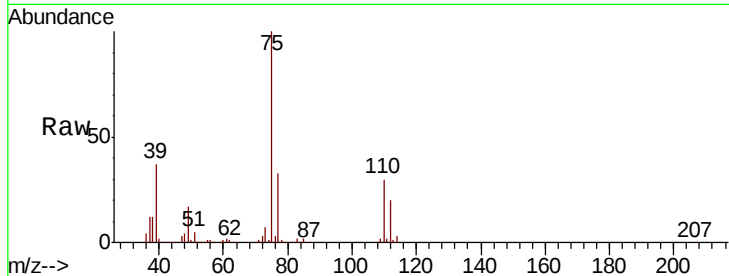
#53
t-1,3-Dichloropropene
Concen: 46.826 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 685937
Ion Ratio Lower Upper
75 100
77 33.0 25.0 37.4

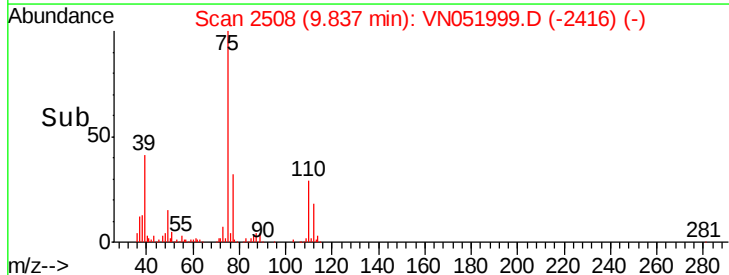
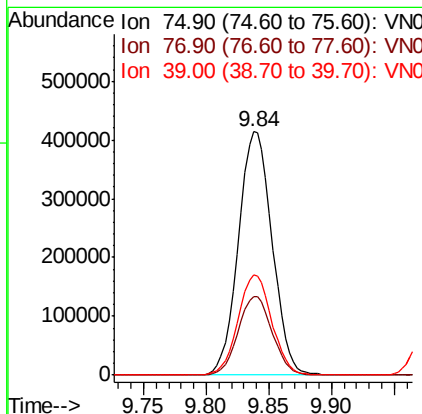
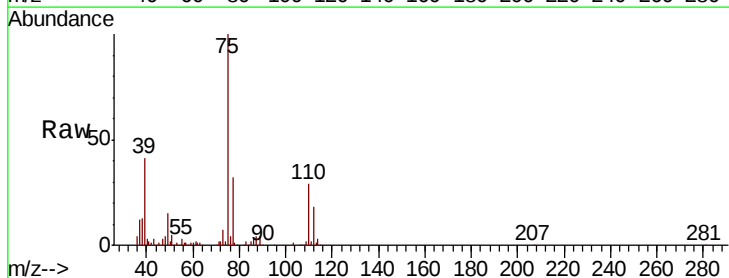
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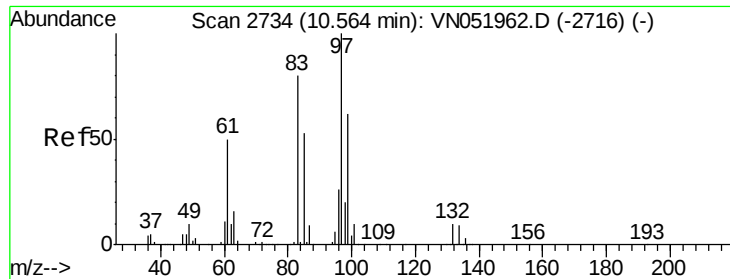
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#54
cis-1,3-Dichloropropene
Concen: 51.560 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion: 75 Resp: 774346
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
39 41.0 32.0 48.0





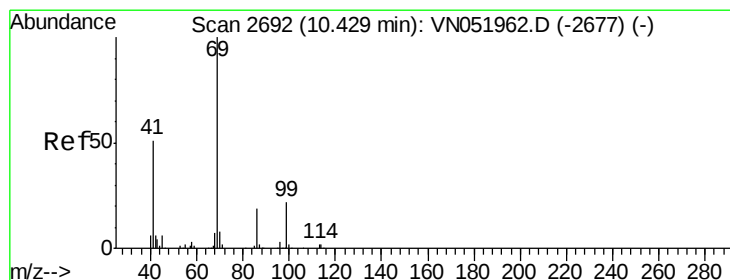
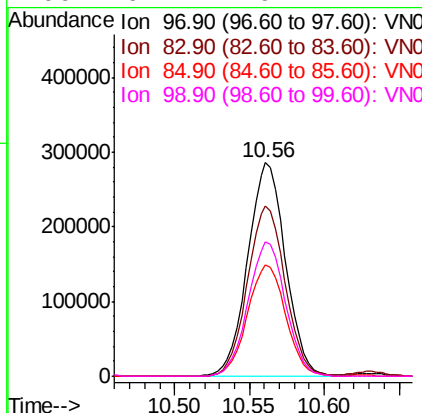
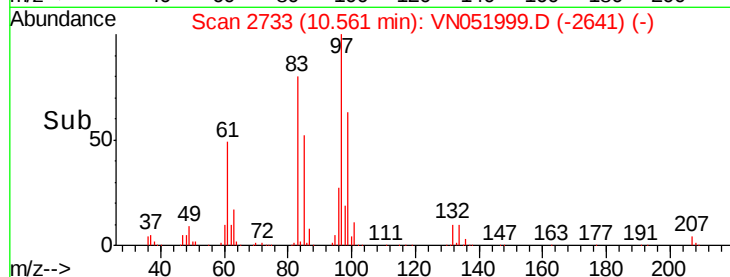
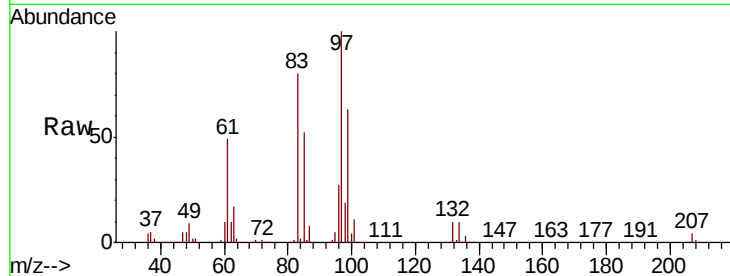
#55
 1,1,2-Trichloroethane
 Concen: 47.943 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	79.9	64.0	96.0
85	52.1	42.4	63.6
99	62.7	49.4	74.2

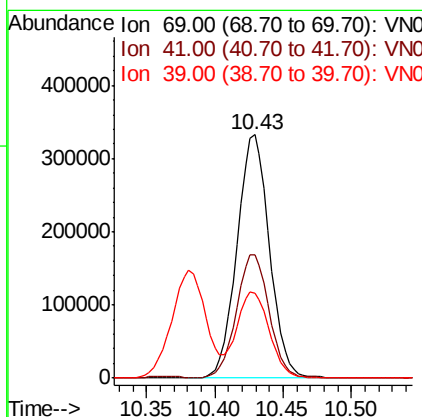
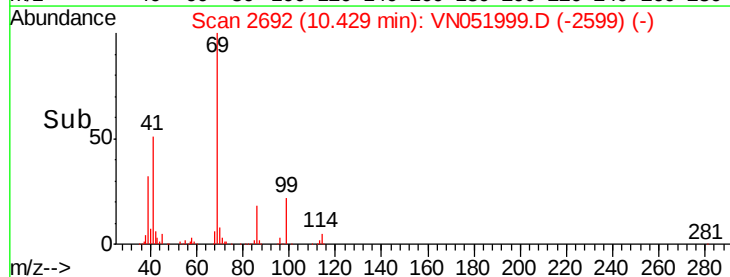
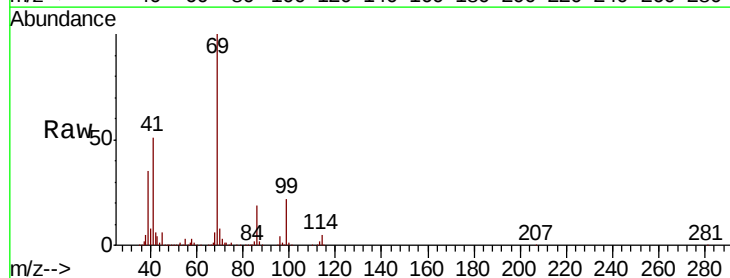
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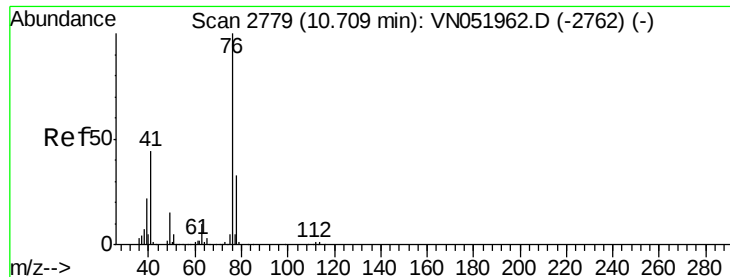
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#56
 Ethyl methacrylate
 Concen: 48.882 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
69	100		
41	51.0	40.7	61.1
39	34.8	29.3	43.9





#57

1,3-Dichloropropane

Concen: 47.339 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 751243

Ion Ratio Lower Upper

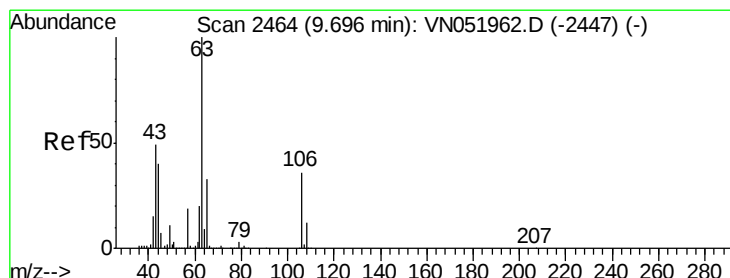
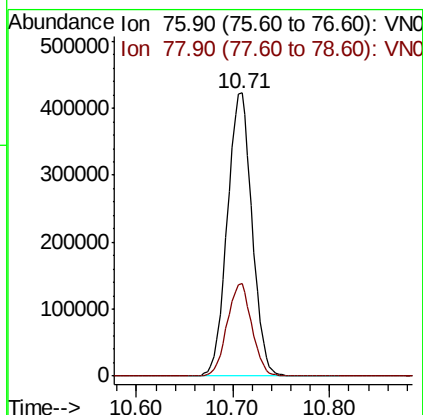
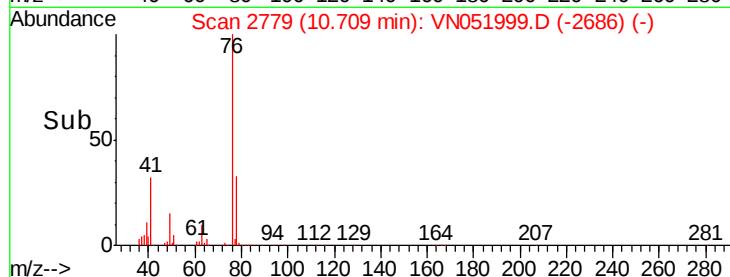
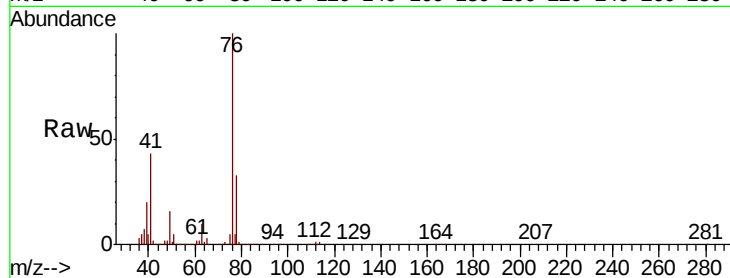
76 100

78 32.7 26.4 39.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 245.932 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051999.D

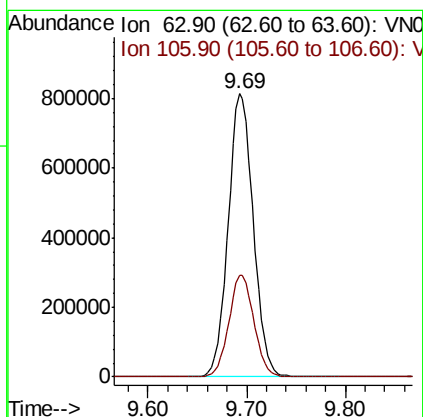
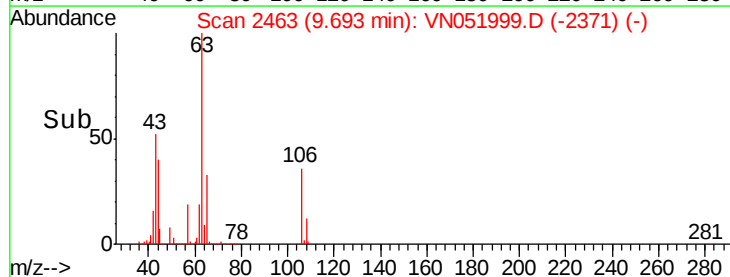
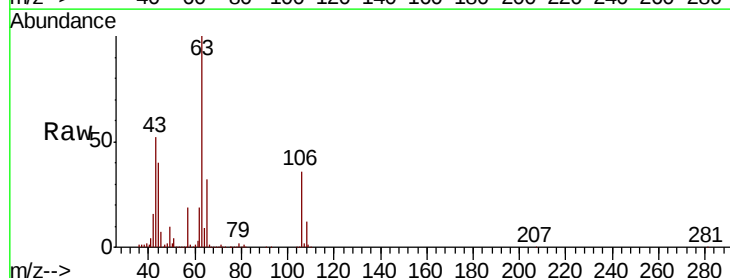
Acq: 25 Oct 2018 8:41

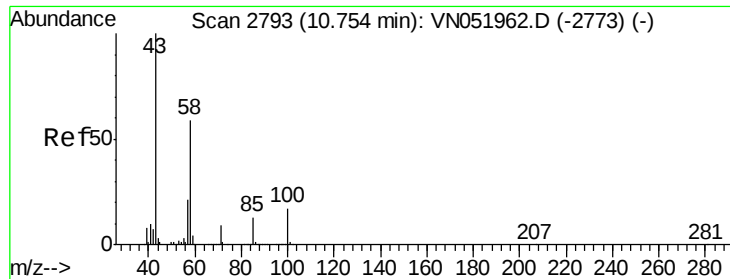
Tgt Ion: 63 Resp: 1445944

Ion Ratio Lower Upper

63 100

106 35.9 28.3 42.5





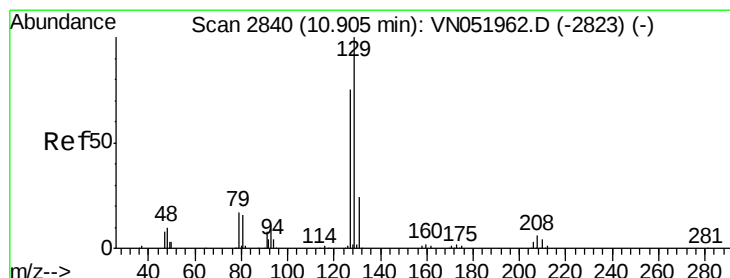
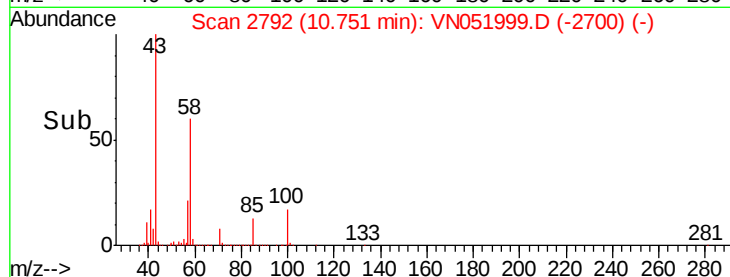
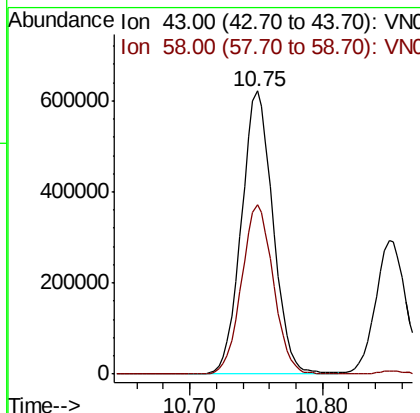
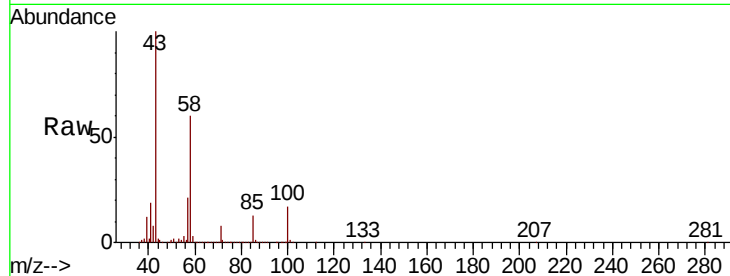
#59
2-Hexanone
Concen: 235.376 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1023728
Ion Ratio Lower Upper
43 100
58 60.3 29.9 89.8

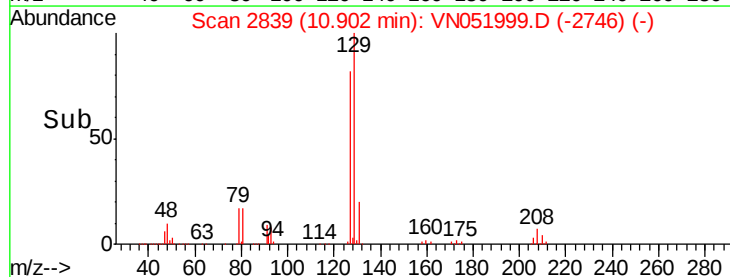
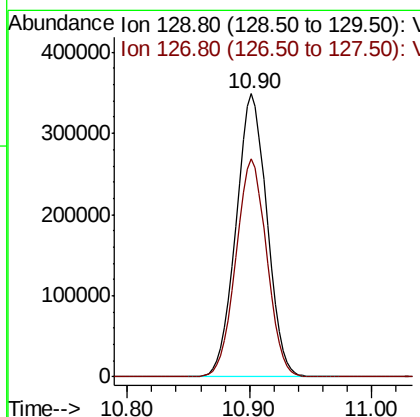
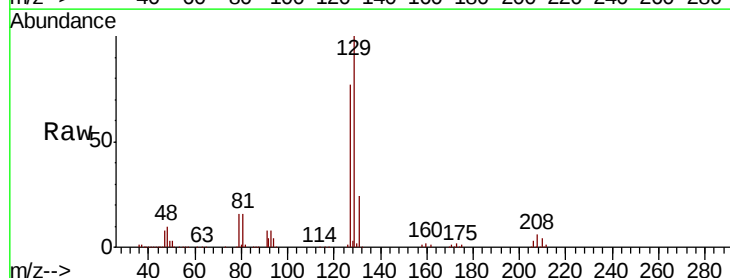
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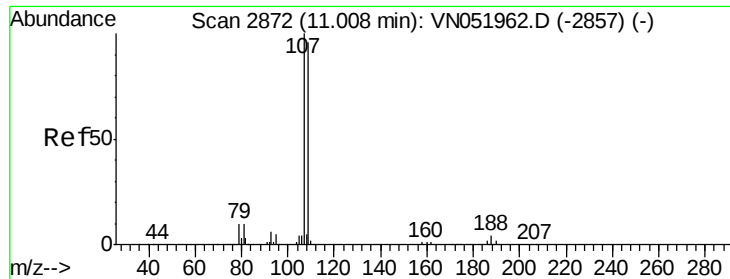
MMDadoda
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#60
Dibromochloromethane
Concen: 46.017 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion: 129 Resp: 611454
Ion Ratio Lower Upper
129 100
127 76.9 38.0 114.0





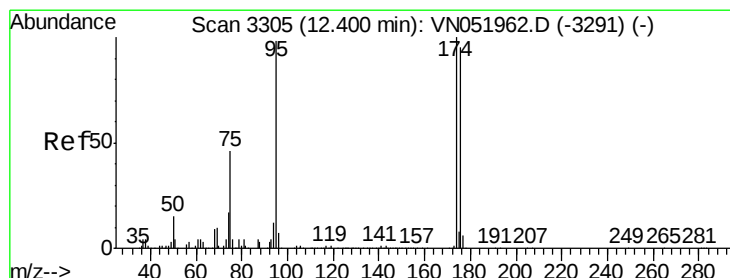
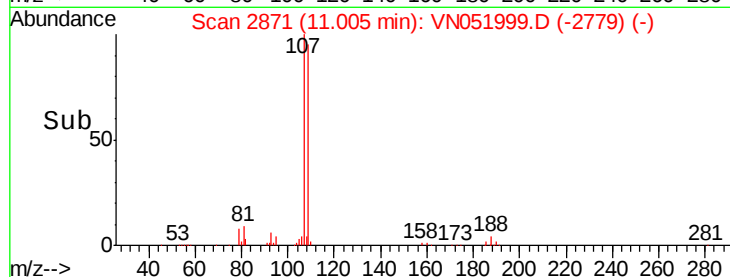
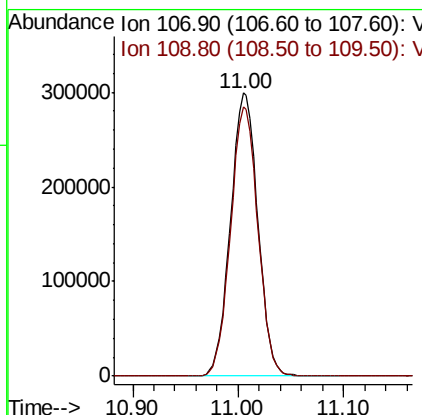
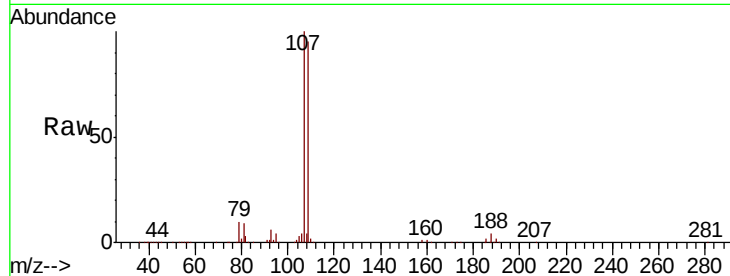
#61
 1,2-Dibromoethane
 Concen: 48.664 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.9	113.9

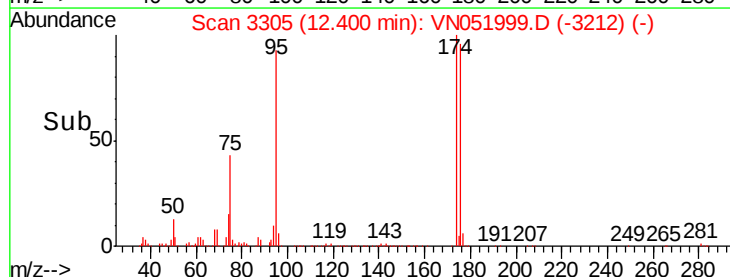
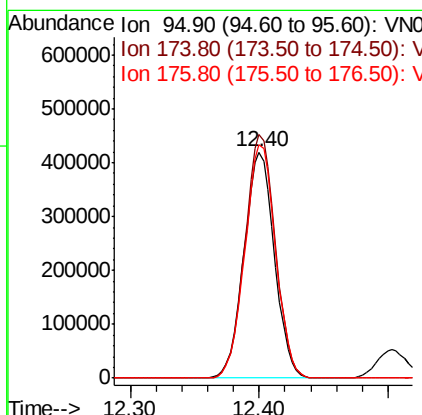
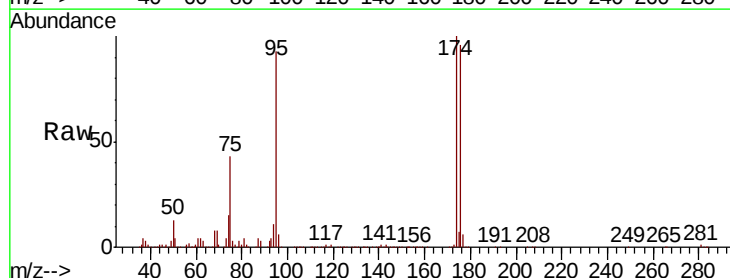
Manual Integrations
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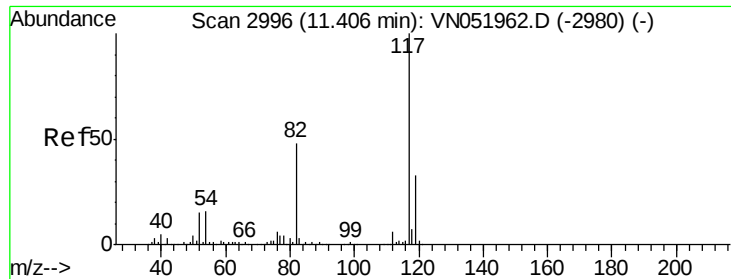
MMDadoda
 10/26/2018 9:19:28 AM



#62
 4-Bromofluorobenzene
 Concen: 48.664 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	108.3	0.0	206.0
176	104.3	0.0	198.0





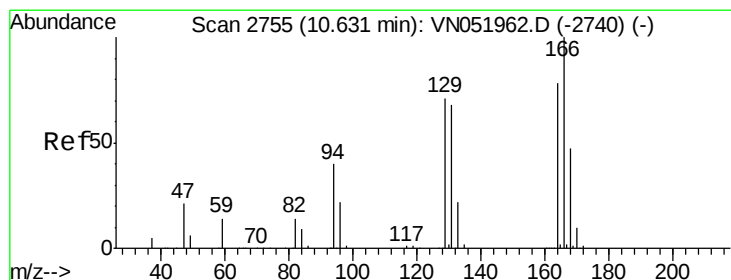
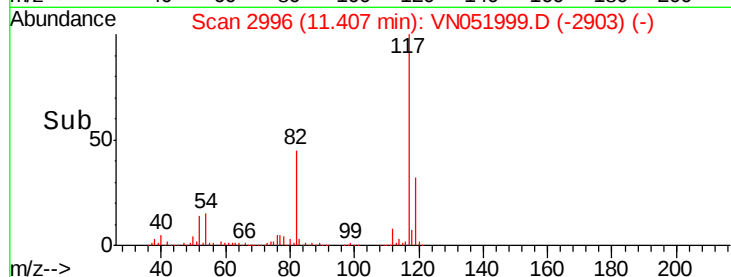
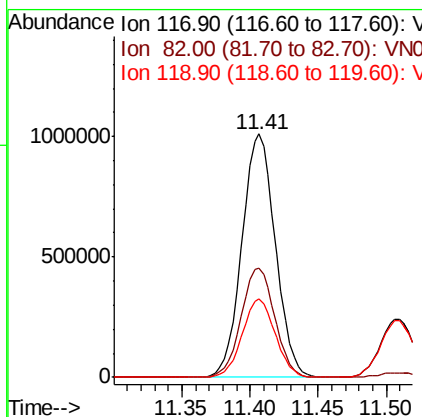
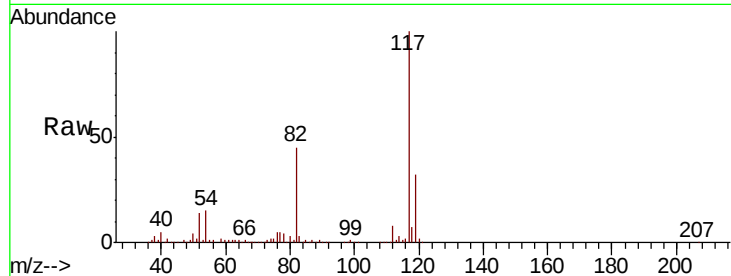
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.8	38.1	57.1
119	32.0	26.4	39.6

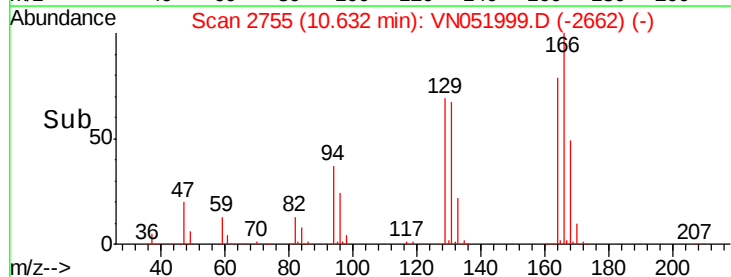
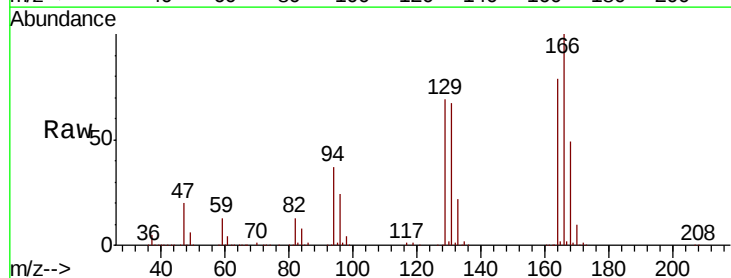
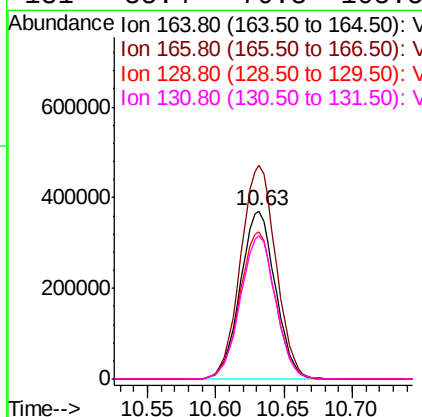
Manual Integrations
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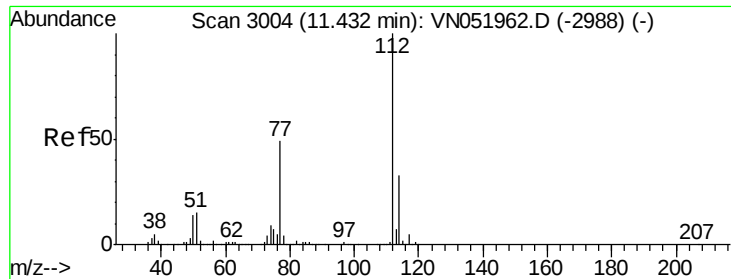
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#64
Tetrachloroethene
Concen: 50.043 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.1	154.7
129	87.6	73.6	110.4
131	85.4	70.3	105.5





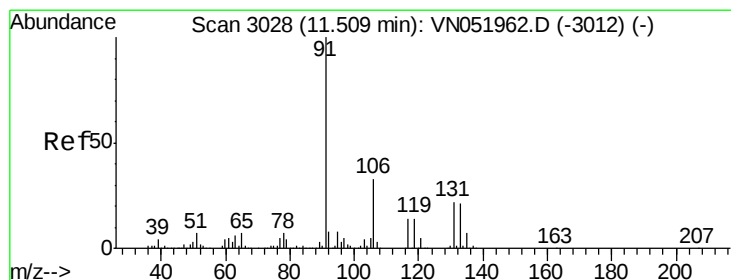
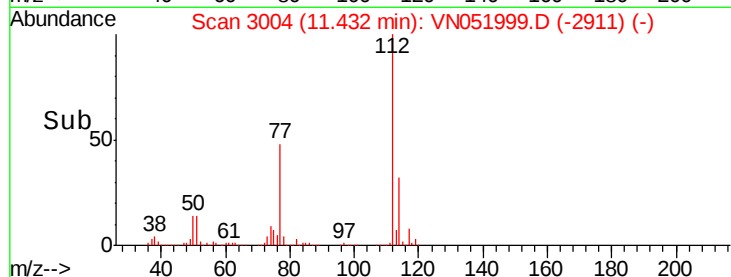
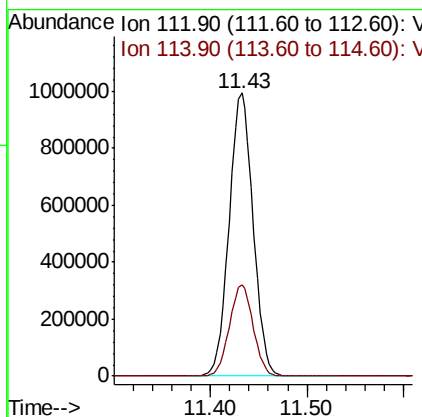
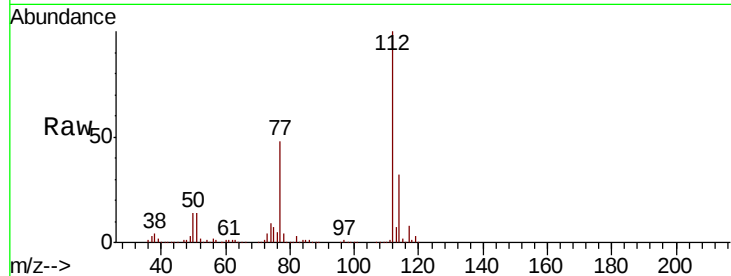
#65
Chlorobenzene
Concen: 49.203 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1705311
Ion Ratio Lower Upper
112 100
114 32.4 26.1 39.1

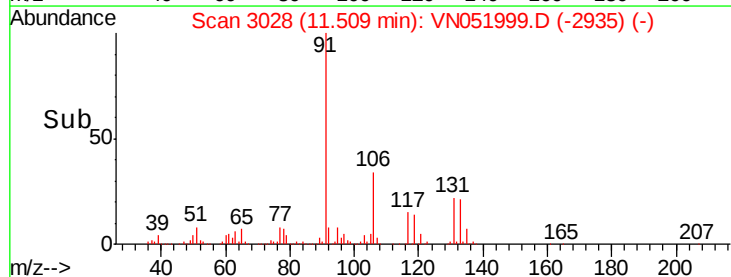
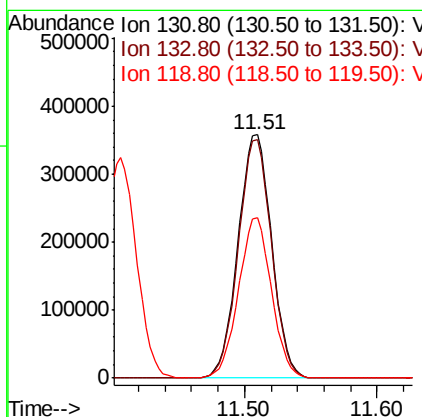
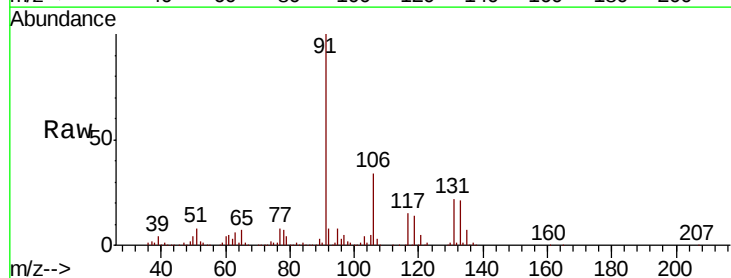
Manual Integrations
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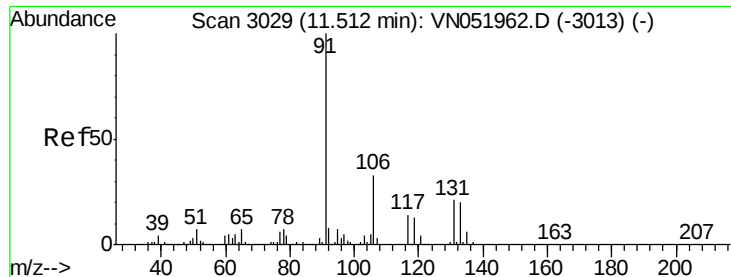
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.682 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion:131 Resp: 631374
Ion Ratio Lower Upper
131 100
133 96.6 47.8 143.3
119 64.4 32.0 96.2





#67

Ethyl Benzene

Concen: 48.751 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2715968

Ion Ratio Lower Upper

91 100

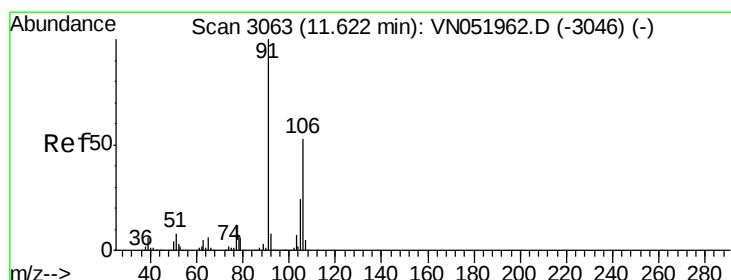
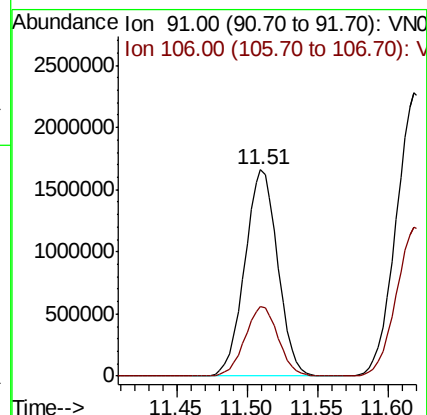
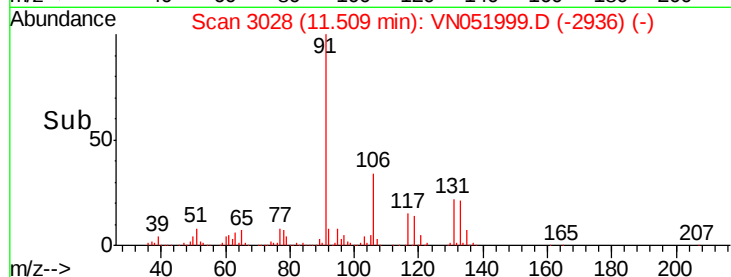
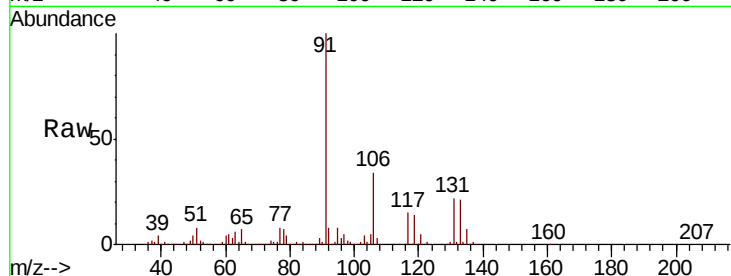
106 33.8 26.4 39.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 102.445 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051999.D

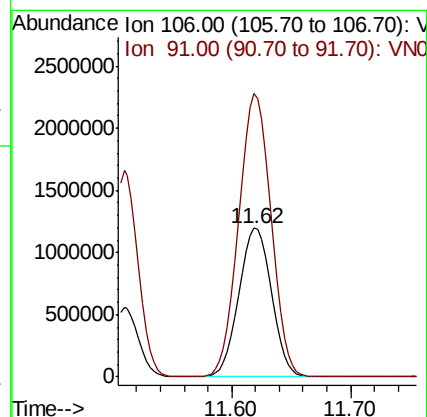
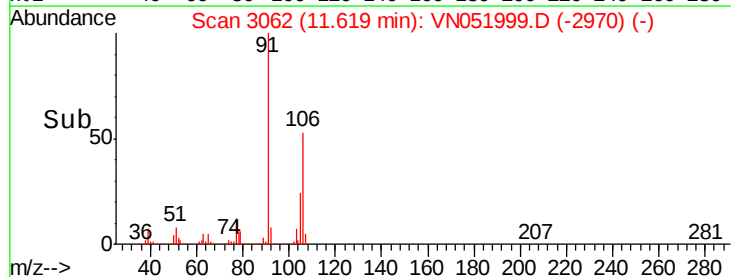
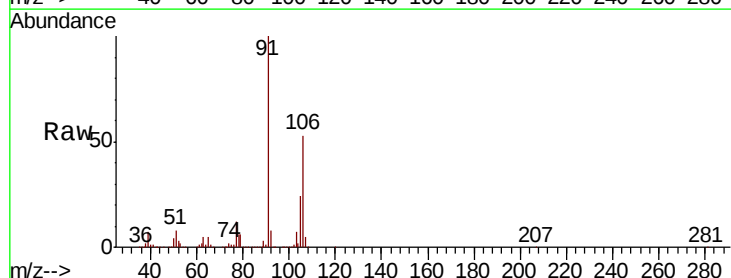
Acq: 25 Oct 2018 8:41

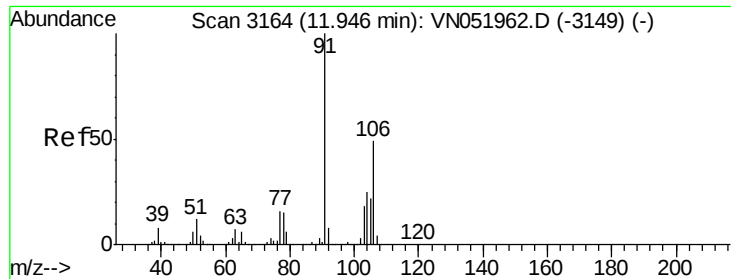
Tgt Ion: 106 Resp: 2280312

Ion Ratio Lower Upper

106 100

91 188.8 152.2 228.2





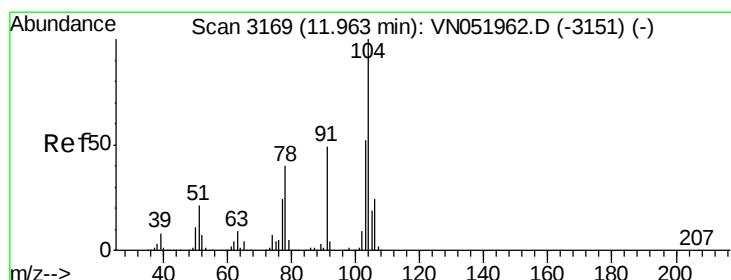
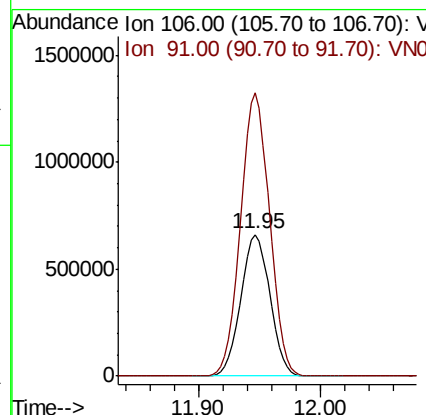
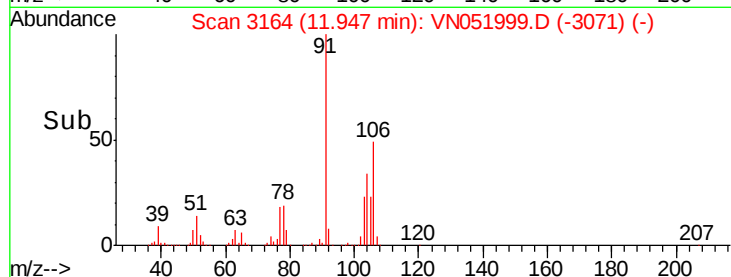
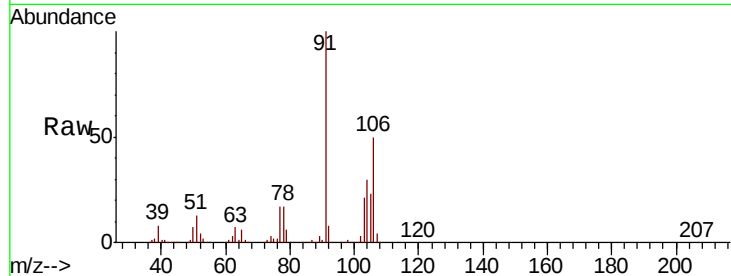
#69
o-Xylene
Concen: 50.382 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1090671
Ion Ratio Lower Upper
106 100
91 199.3 101.0 303.0

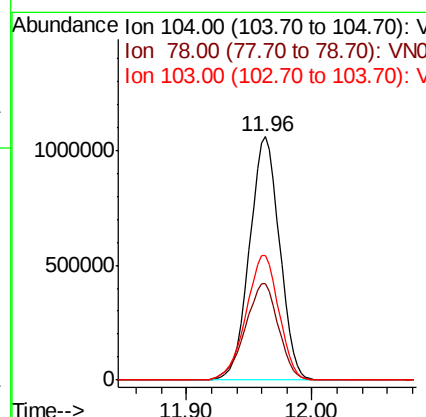
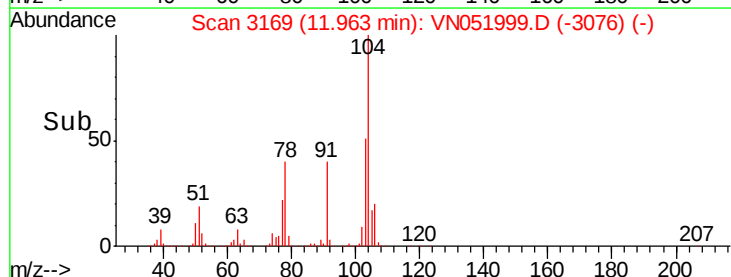
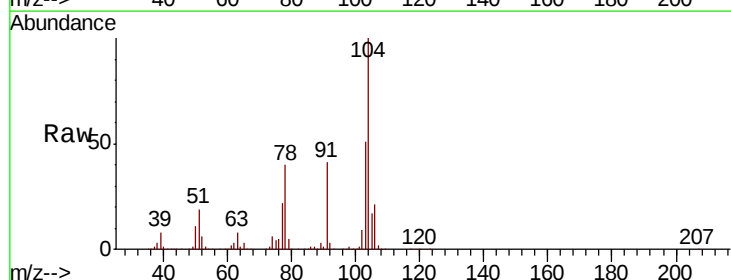
Manual Integrations
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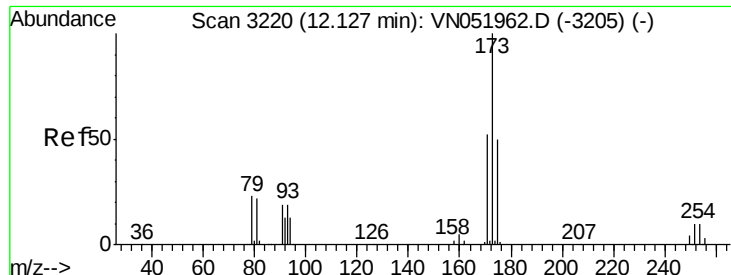
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#70
Styrene
Concen: 51.102 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion:104 Resp: 1768121
Ion Ratio Lower Upper
104 100
78 43.8 35.8 53.6
103 55.9 44.9 67.3





#71

Bromoform

Concen: 43.211 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

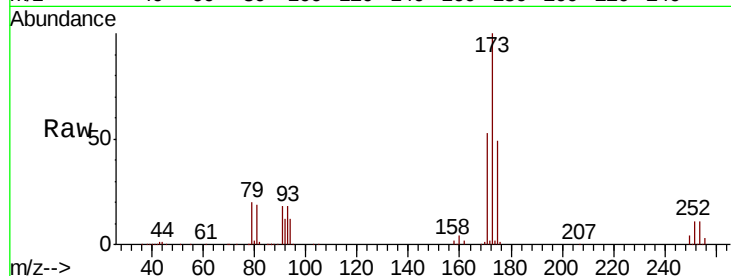
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	74.0
254	0.1	0.1	0.1#

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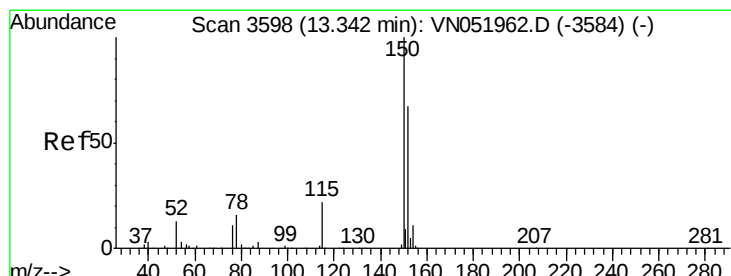
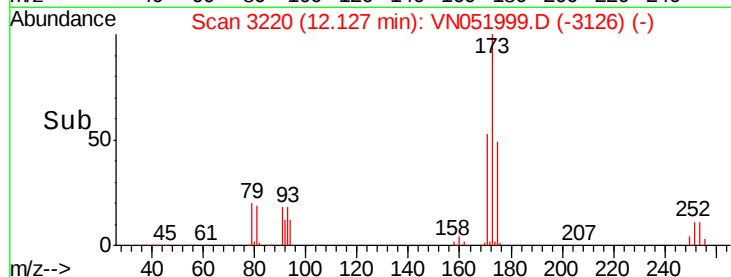
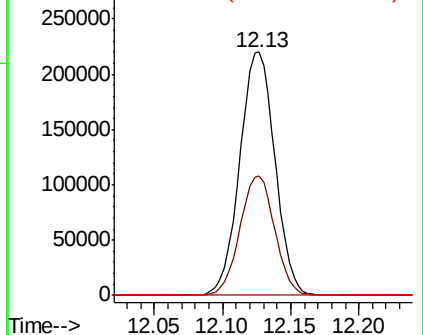


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

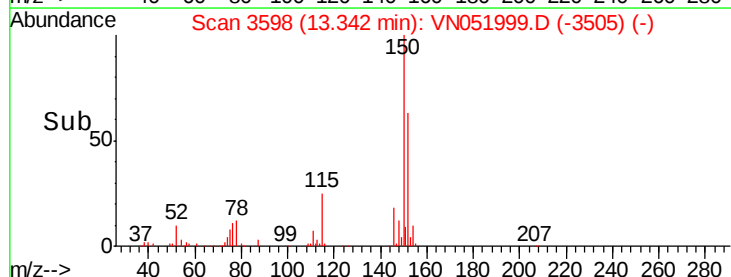
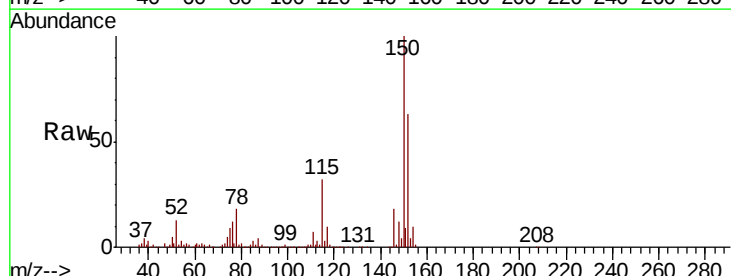
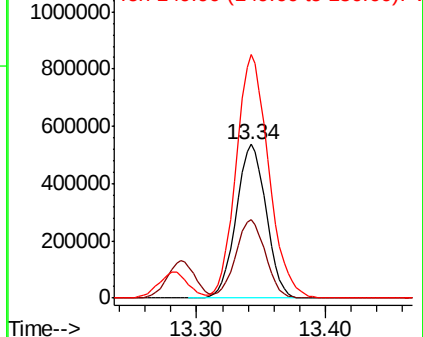
Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.5	25.8	77.3
150	172.6	0.0	344.4

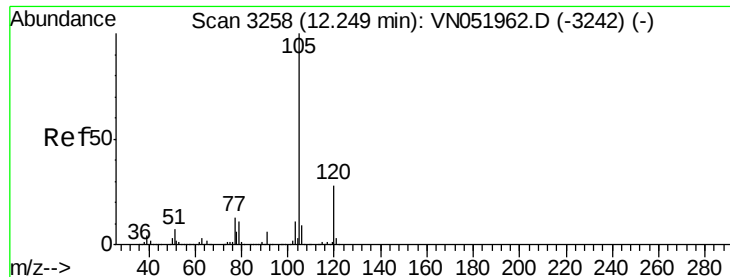
Abundance

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: 53.694 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2941803

Ion Ratio Lower Upper

105 100

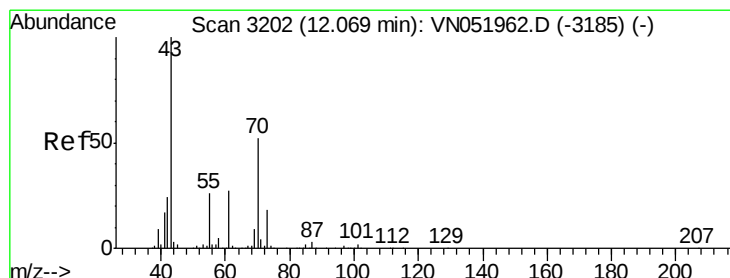
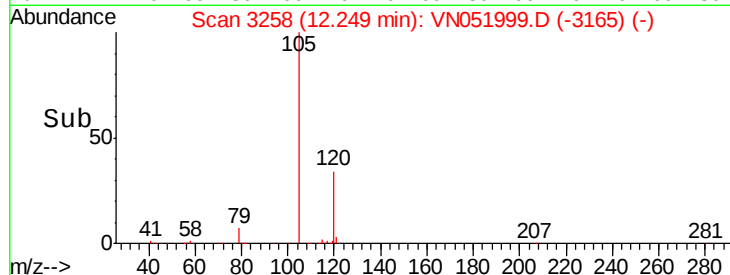
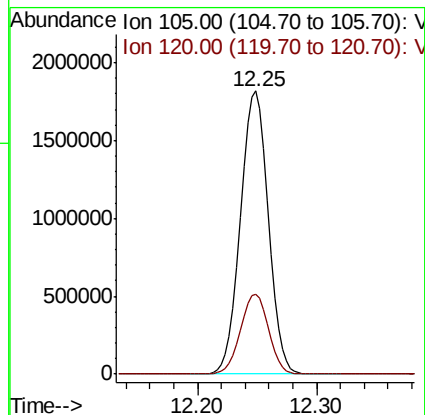
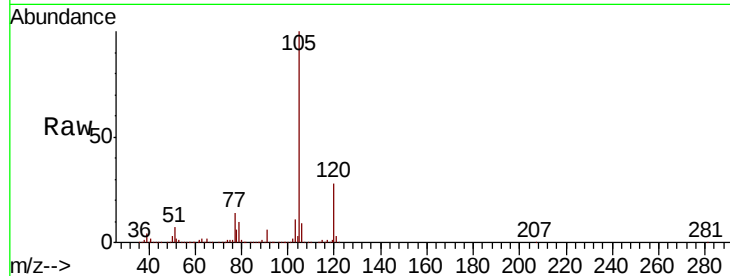
120 28.4 14.0 41.9

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#74

N-ethyl acetate

Concen: 47.626 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion: 43 Resp: 513608

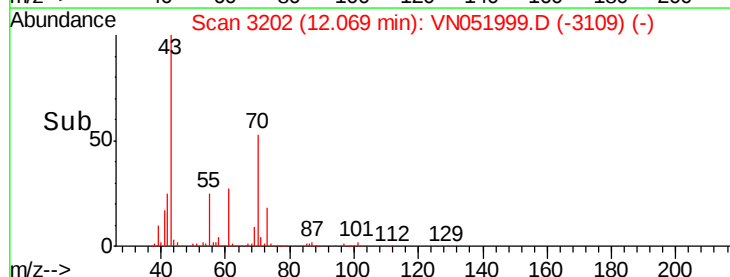
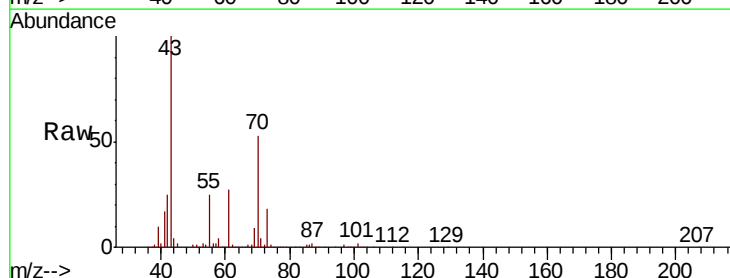
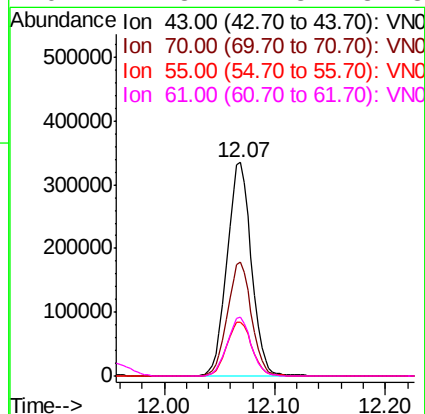
Ion Ratio Lower Upper

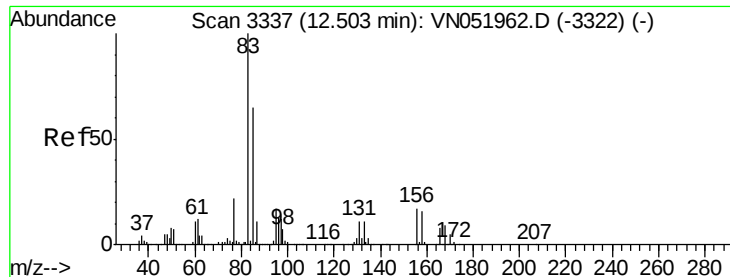
43 100

70 52.7 41.3 61.9

55 26.3 21.2 31.8

61 27.3 21.8 32.8





#75

1,1,2,2-Tetrachloroethane

Concen: 43.941 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 497448

Ion Ratio Lower Upper

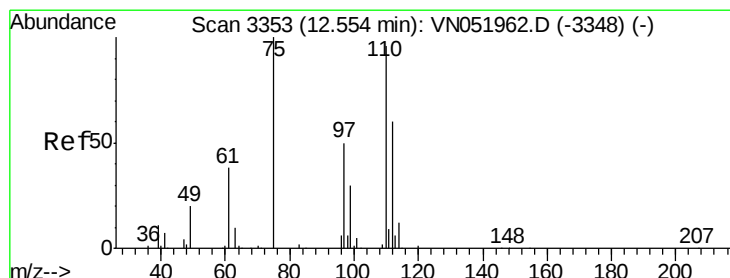
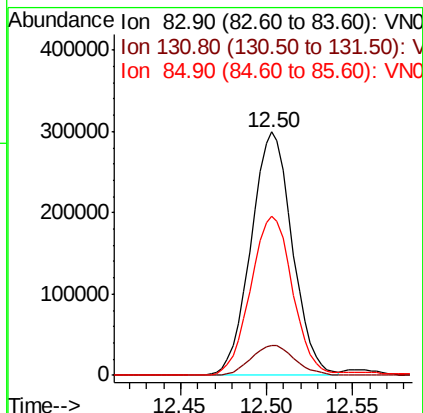
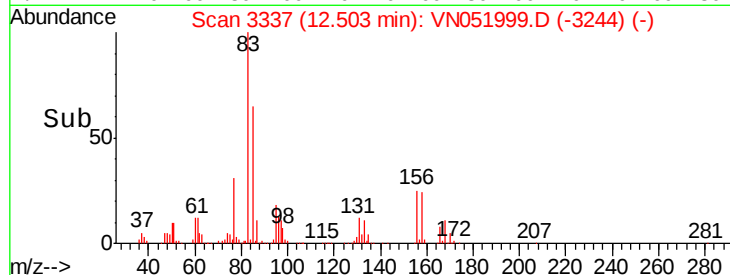
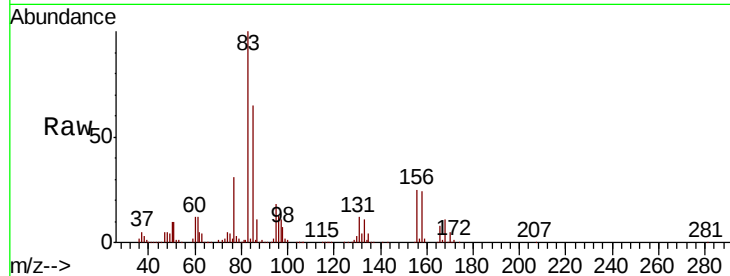
83 100

131 13.0 6.2 18.6

85 66.5 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 44.394 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051999.D

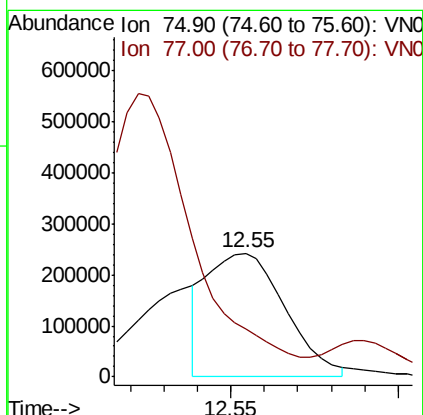
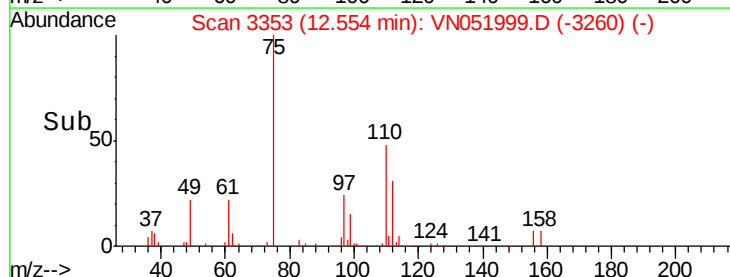
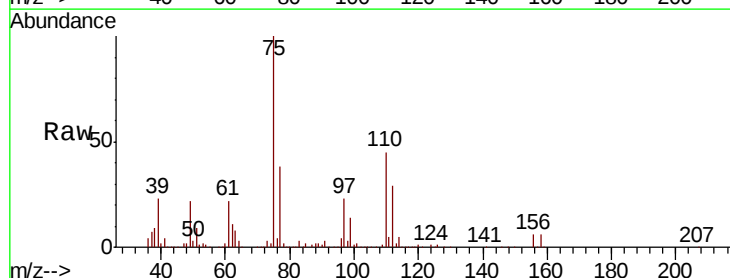
Acq: 25 Oct 2018 8:41

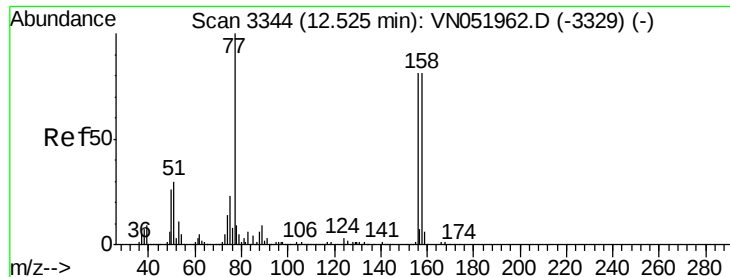
Tgt Ion: 75 Resp: 396156

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 54.455 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 823388

Ion Ratio Lower Upper

156 100

77 129.9 71.1 213.3

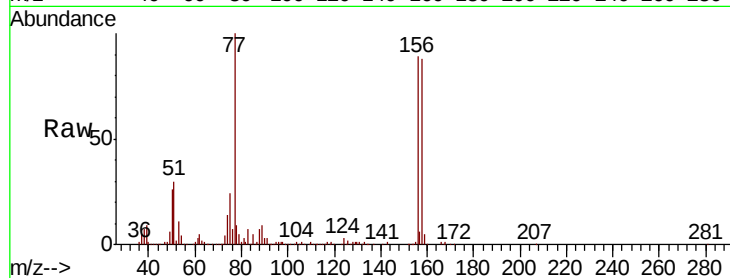
158 97.9 49.3 147.8

Manual Integrations

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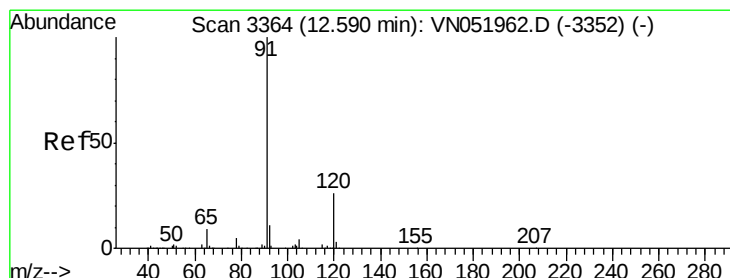
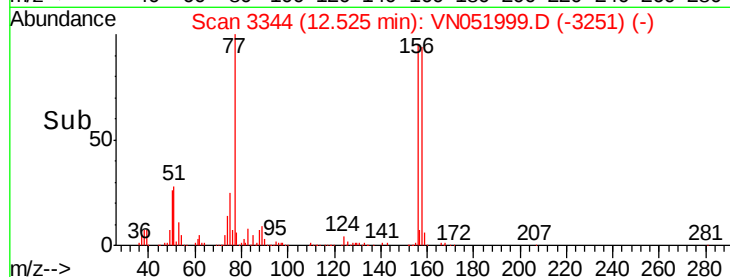
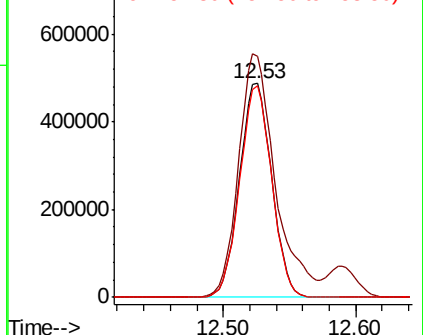
10/26/2018 9:19:28 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.229 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051999.D

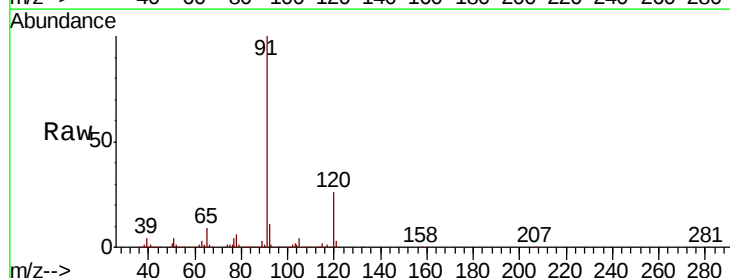
Acq: 25 Oct 2018 8:41

Tgt Ion: 91 Resp: 3145981

Ion Ratio Lower Upper

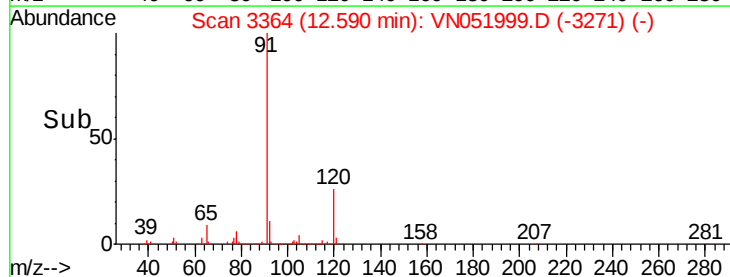
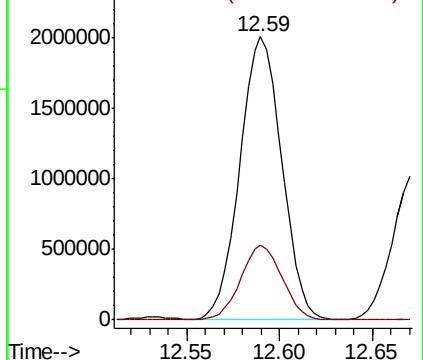
91 100

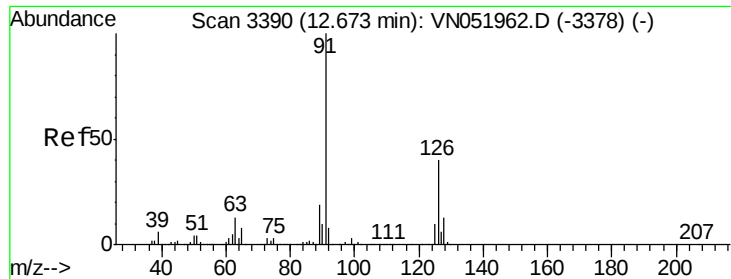
120 26.2 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.268 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1798996

Ion Ratio Lower Upper

91 100

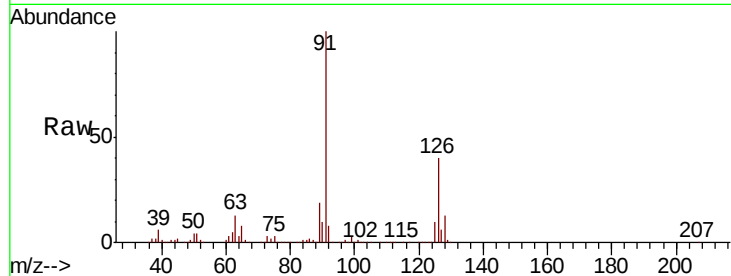
126 40.5 20.1 60.3

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Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)

2000000

1500000

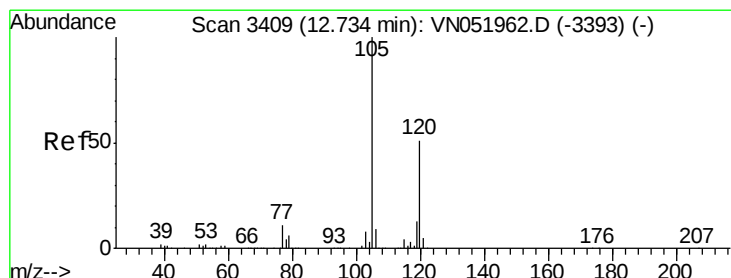
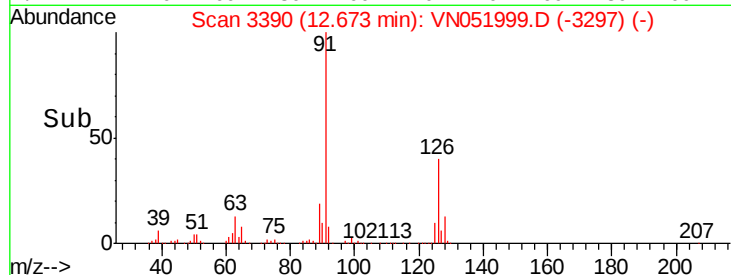
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.264 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051999.D

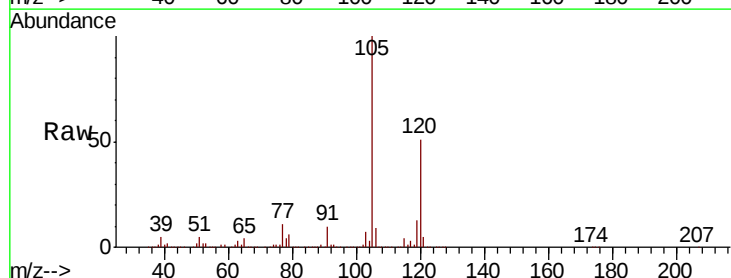
Acq: 25 Oct 2018 8:41

Tgt Ion: 105 Resp: 2341332

Ion Ratio Lower Upper

105 100

120 51.4 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): VN051962.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3393) (-)

1500000

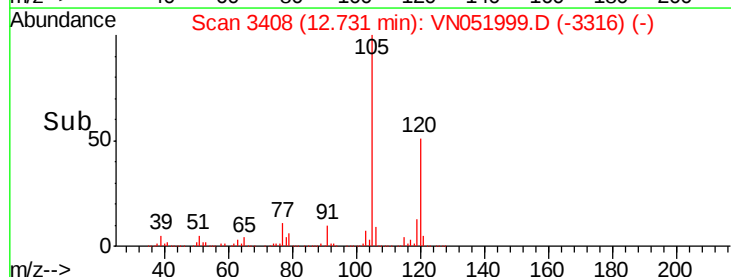
1000000

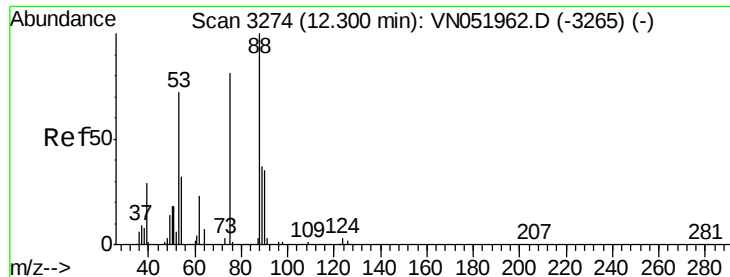
500000

0

12.65 12.70 12.75 12.80

Time-->





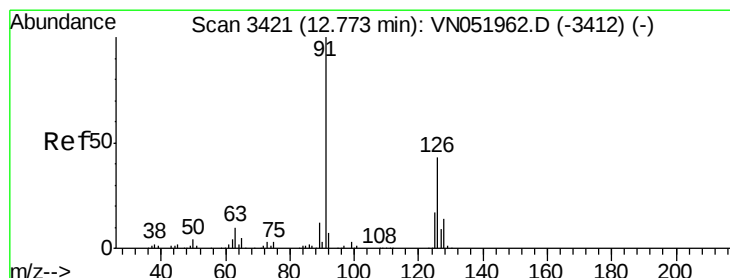
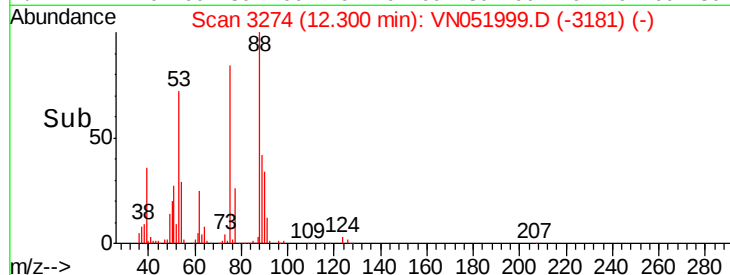
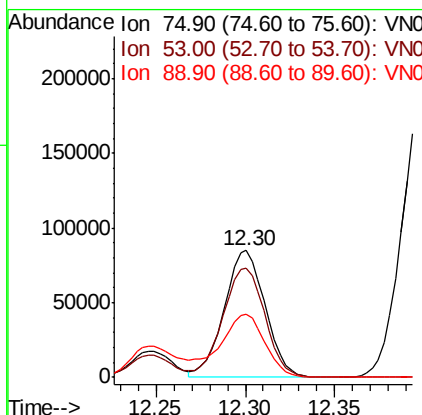
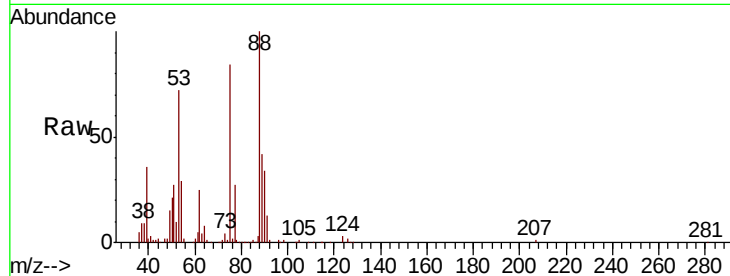
#81
trans-1,4-Dichloro-2-butene
Concen: 49.256 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.3	73.5	110.3
89	51.6	41.6	62.4

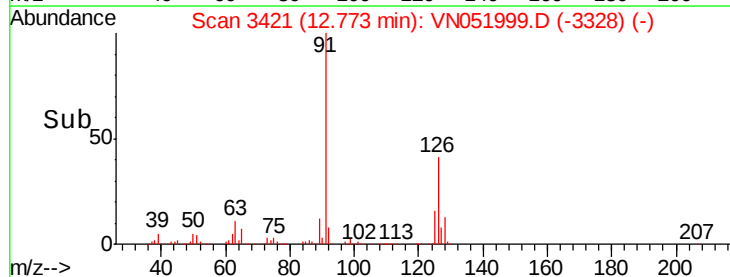
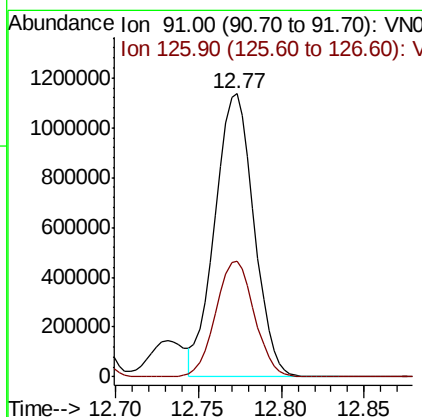
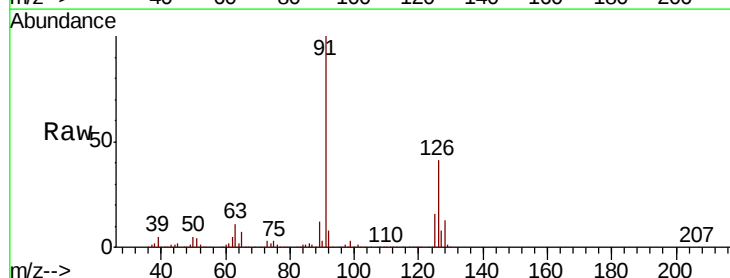
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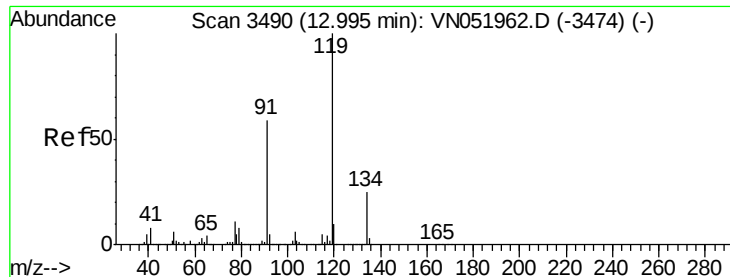
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#82
4-Chlorotoluene
Concen: 52.147 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	40.4	19.7	59.0





#83

tert-Butylbenzene

Concen: 52.082 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 2165314

Ion Ratio Lower Upper

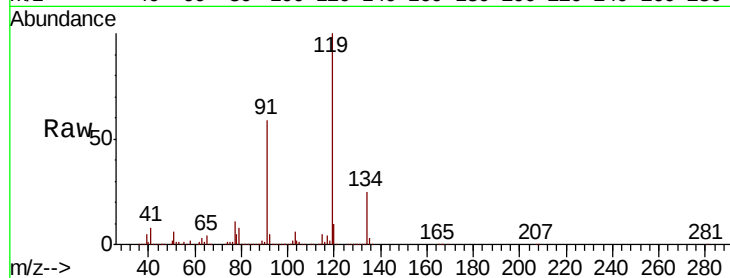
119 100

91 58.1 28.8 86.4

134 27.3 13.4 40.1

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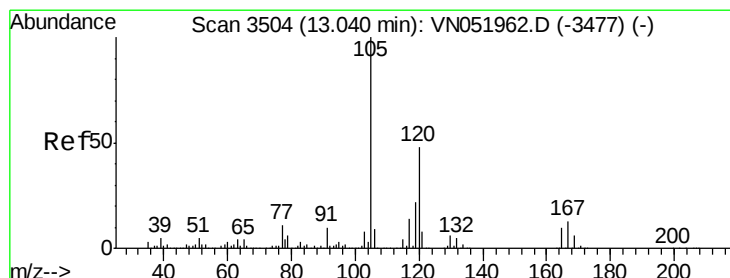
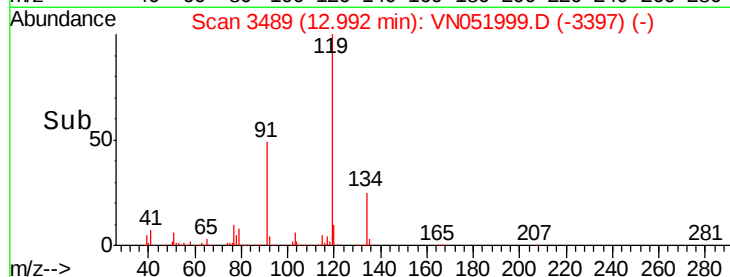
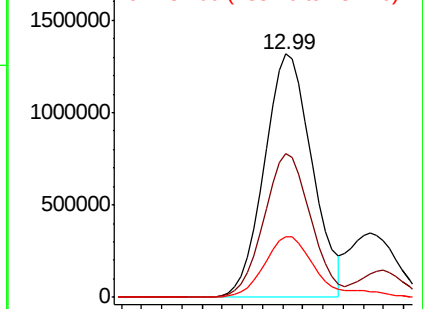
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.846 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN051999.D

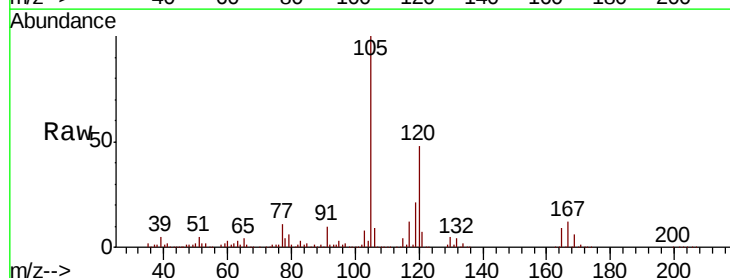
Acq: 25 Oct 2018 8:41

Tgt Ion:105 Resp: 2350794

Ion Ratio Lower Upper

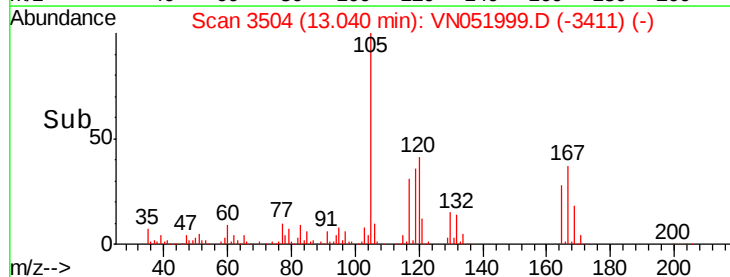
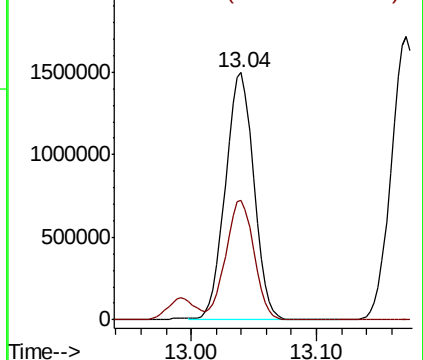
105 100

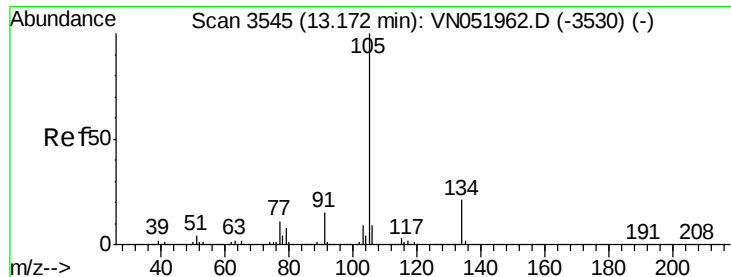
120 48.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.017 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2770174

Ion Ratio Lower Upper

105 100

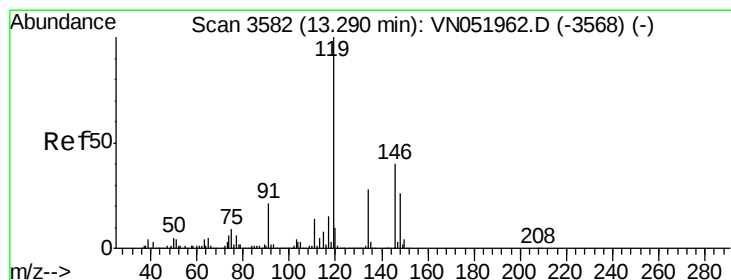
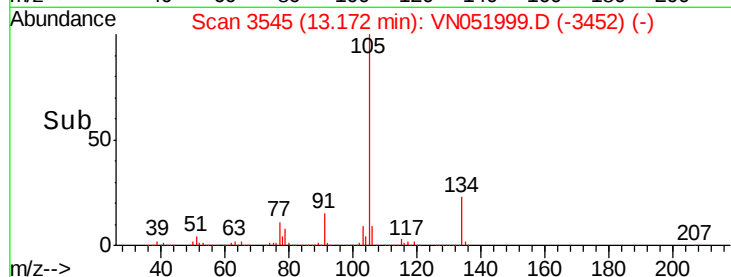
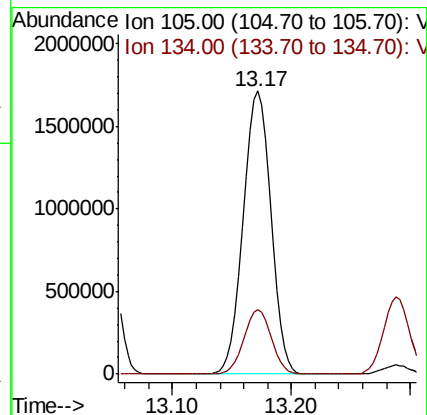
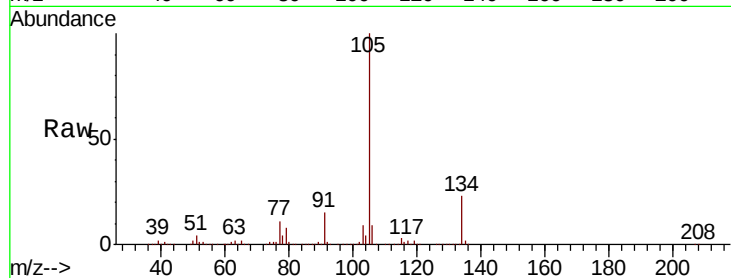
134 22.4 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 52.119 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

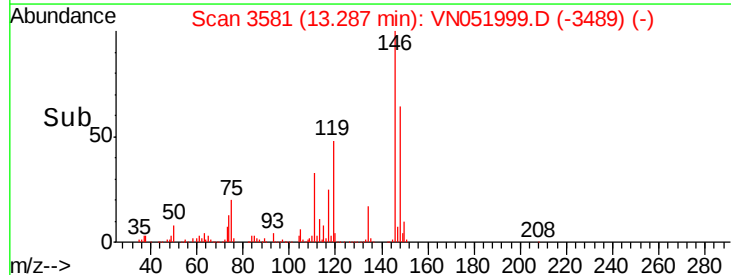
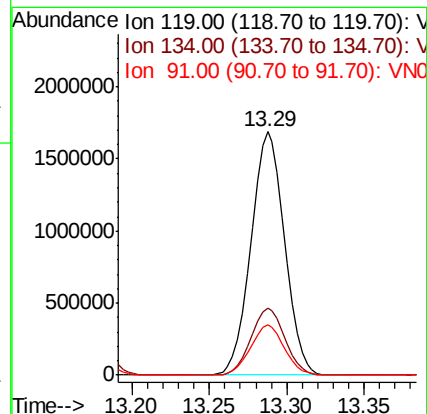
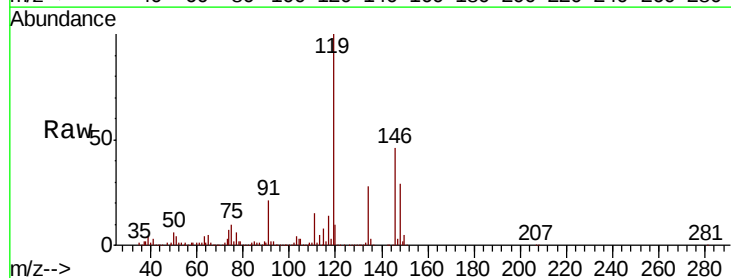
Tgt Ion:119 Resp: 2547897

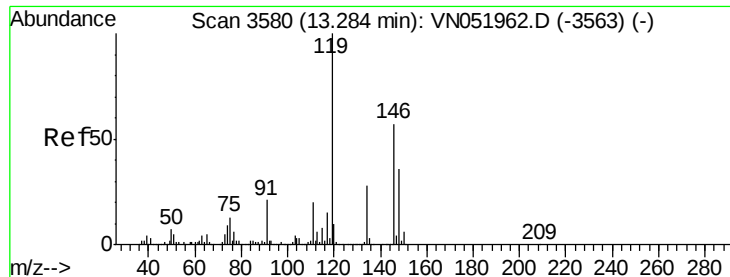
Ion Ratio Lower Upper

119 100

134 27.8 13.9 41.7

91 20.6 10.6 31.8





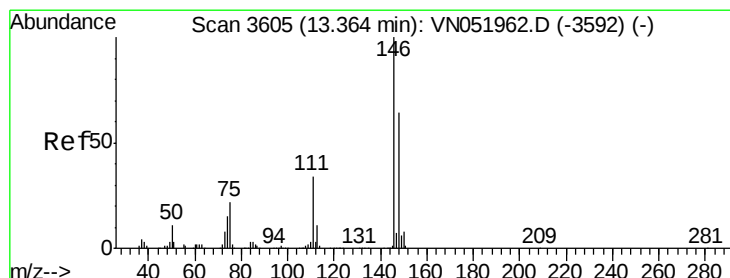
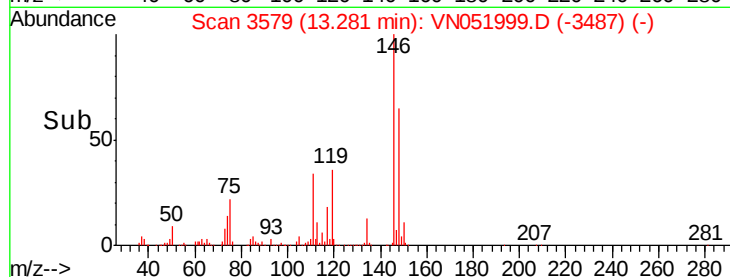
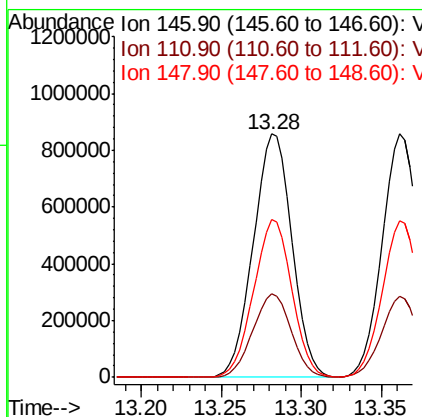
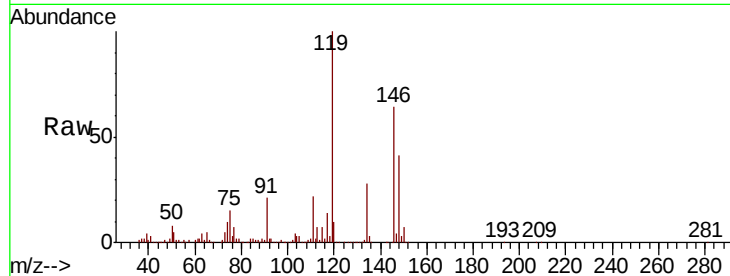
#87
1,3-Dichlorobenzene
Concen: 51.114 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.9	17.6	52.8
148	64.0	32.0	96.0

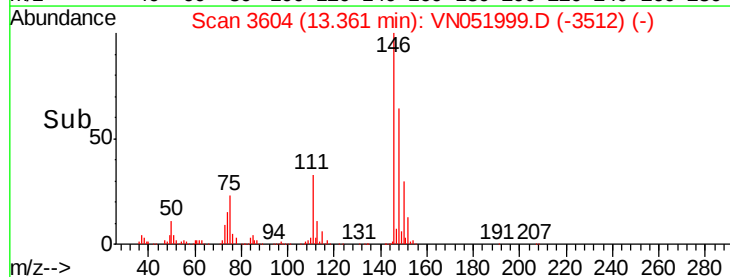
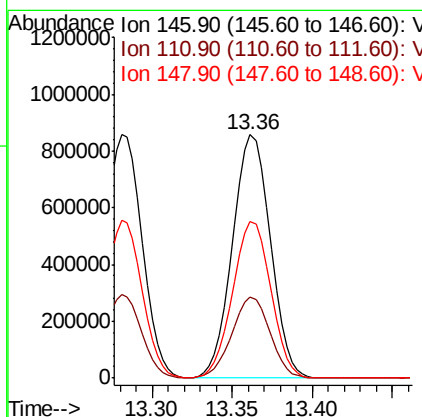
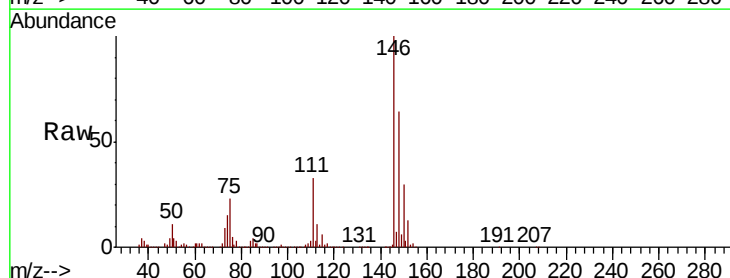
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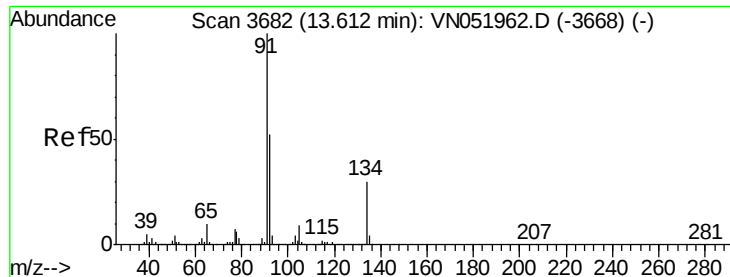
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#88
1,4-Dichlorobenzene
Concen: 50.384 ug/l
RT: 13.36 min Scan# 3604
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.5	17.3	51.7
148	64.6	32.1	96.3





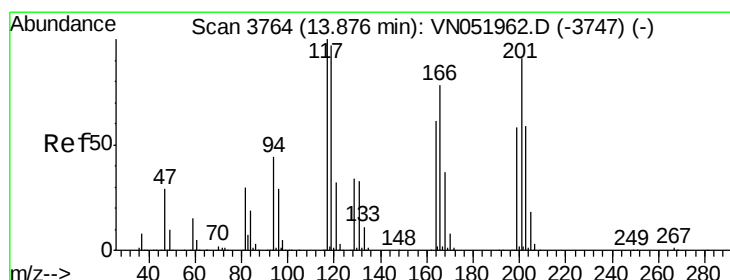
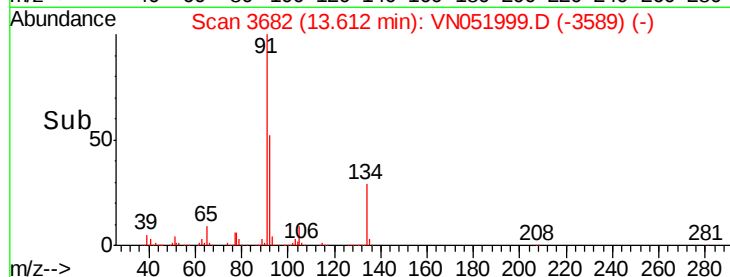
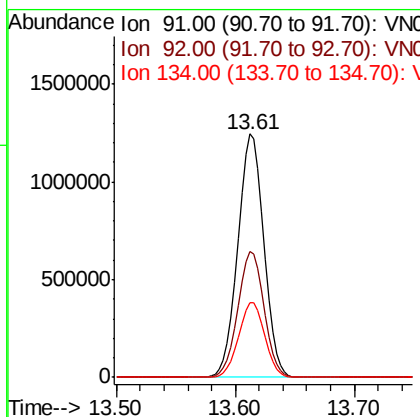
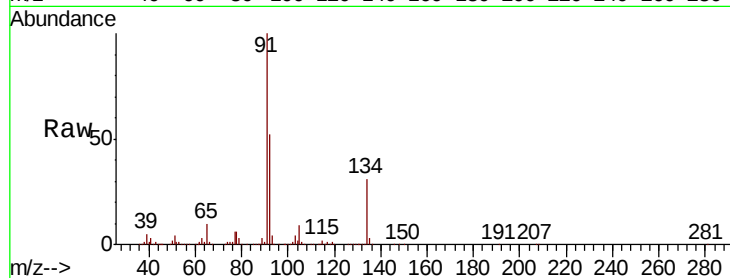
#89
n-Butylbenzene
Concen: 48.387 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.8
134	31.0	15.2	45.6

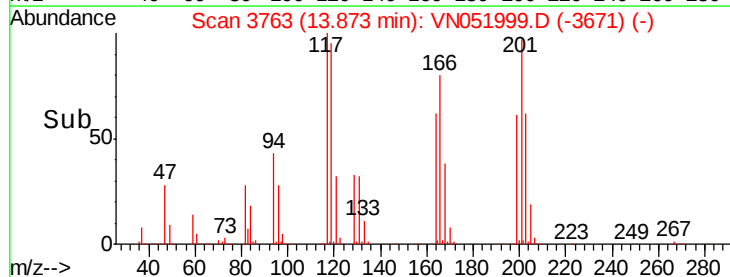
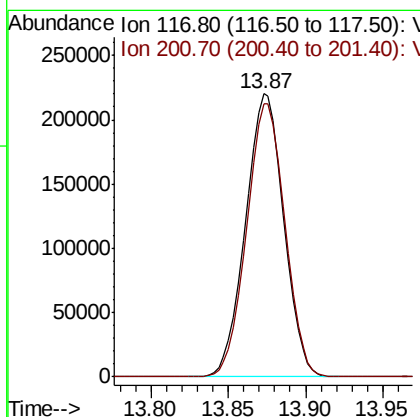
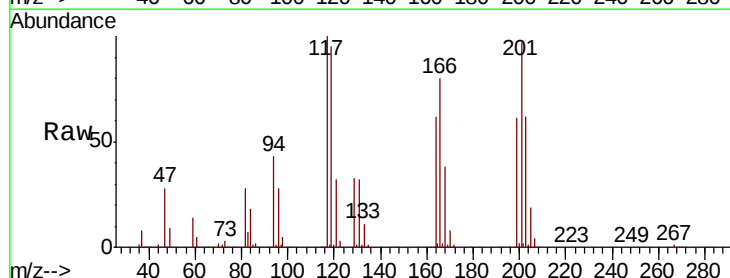
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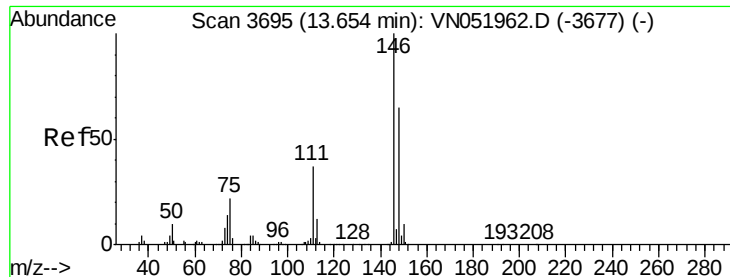
MMDadoda
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#90
Hexachloroethane
Concen: 51.993 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051999.D
Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	45.6	136.9





#91

1,2-Dichlorobenzene

Concen: 47.246 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1274637

Ion Ratio Lower Upper

146 100

111 35.5 18.3 54.9

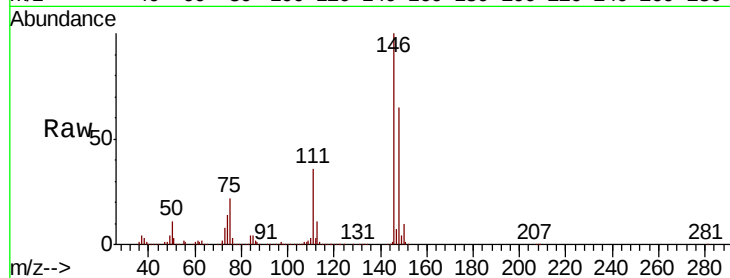
148 64.8 32.4 97.0

Manual Integrations

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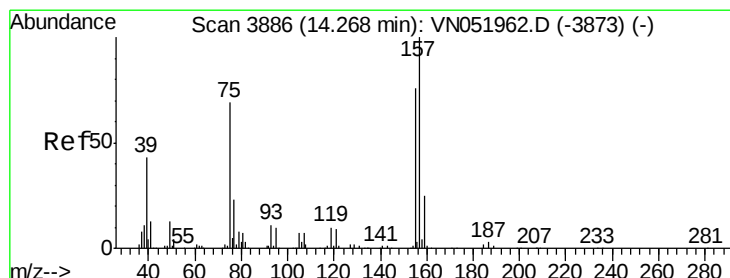
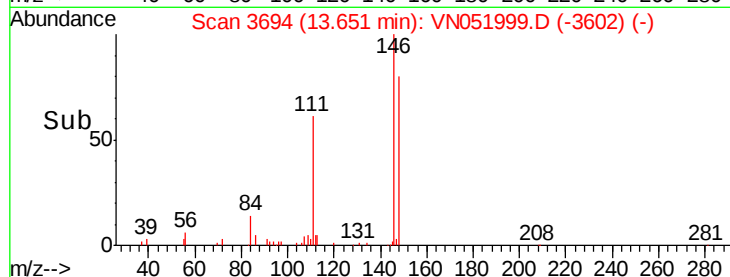
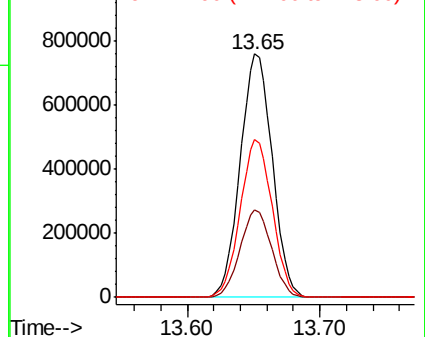


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 31.003 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

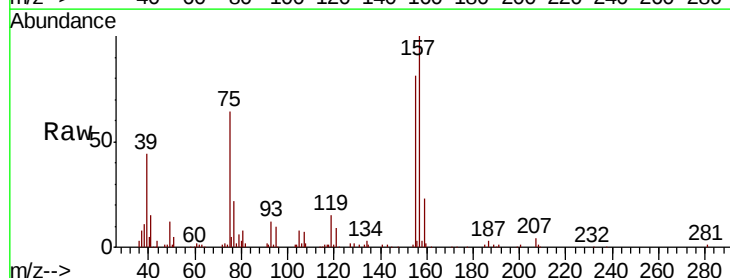
Tgt Ion: 75 Resp: 53890

Ion Ratio Lower Upper

75 100

155 125.8 56.0 167.9

157 158.6 73.9 221.6

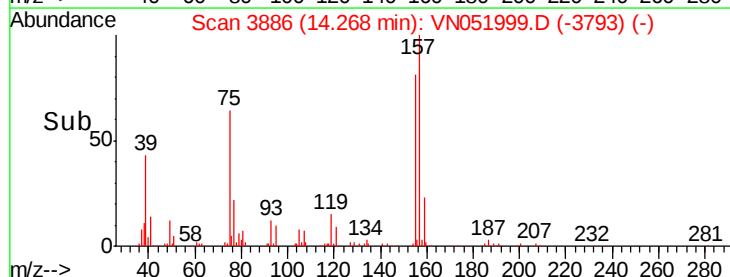
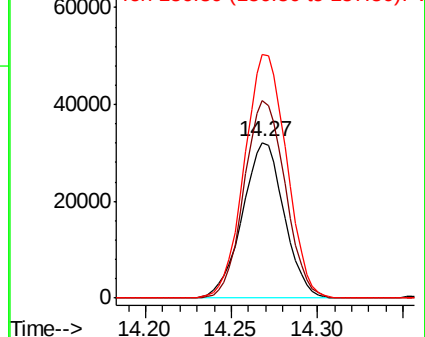


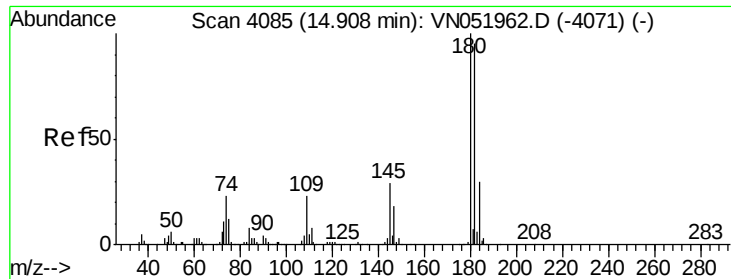
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





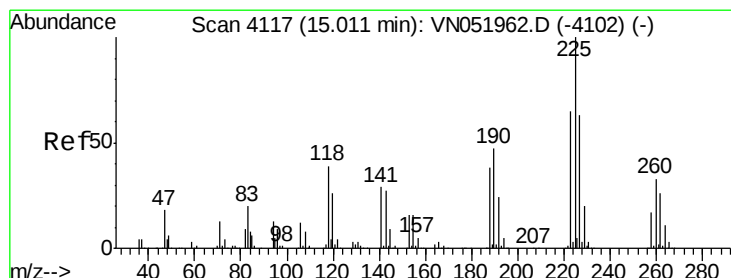
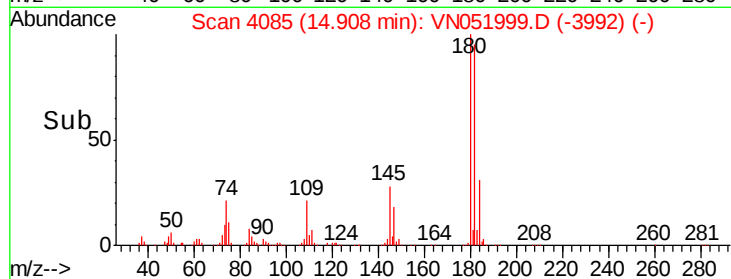
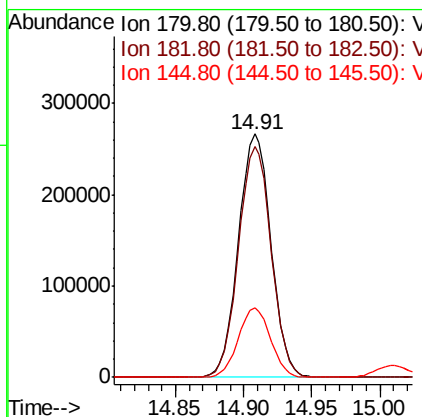
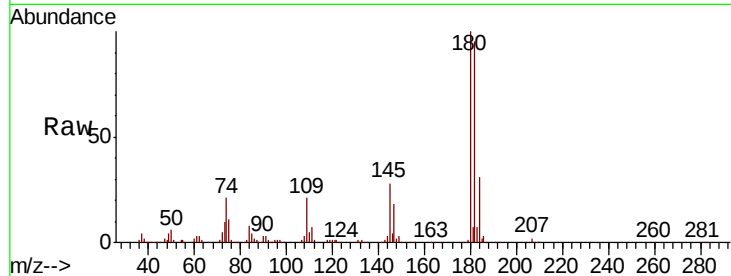
#93
 1,2,4-Trichlorobenzene
 Concen: 27.650 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.8	143.4	
145	28.4	14.5	43.5	

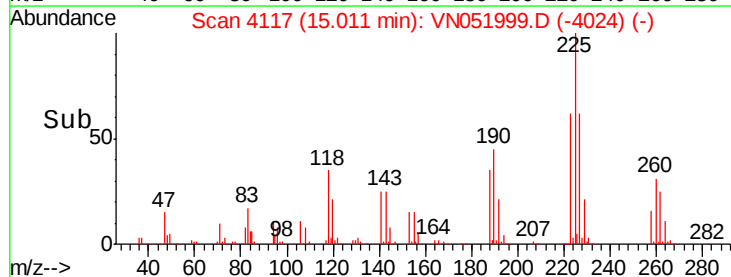
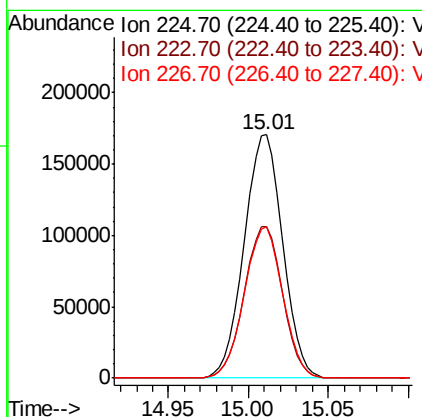
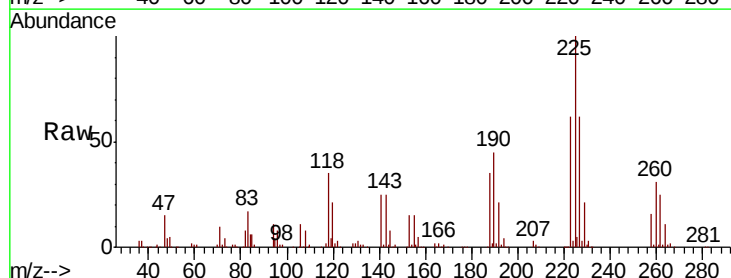
Manual Integrations
 APPROVED

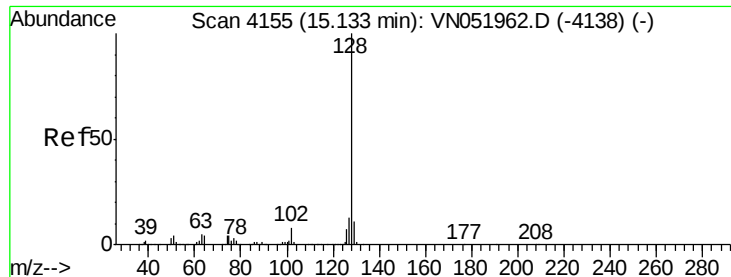
MMDadoda
 10/26/2018 9:19:28 AM



#94
 Hexachlorobutadiene
 Concen: 34.269 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051999.D
 Acq: 25 Oct 2018 8:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	31.8	95.4	
227	61.7	31.4	94.2	





#95

Naphthalene

Concen: 23.337 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Instrument :

MSVOA_N

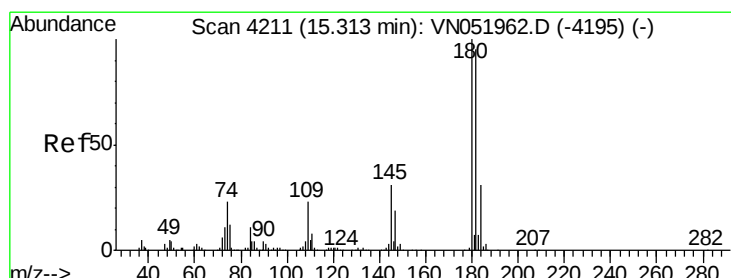
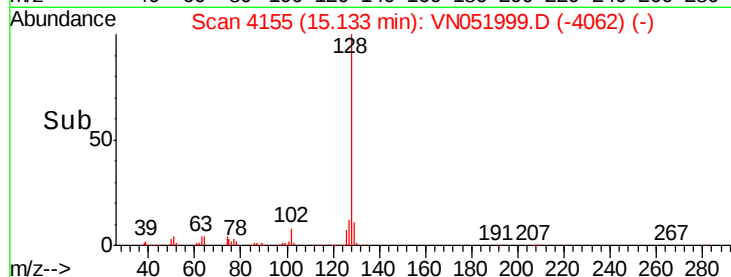
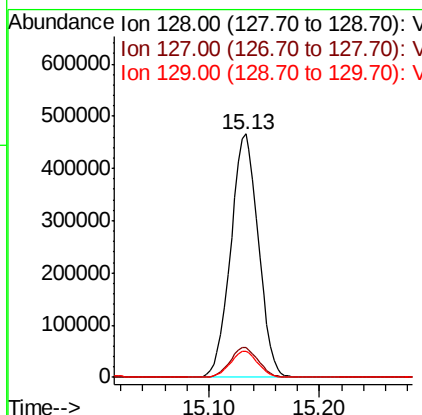
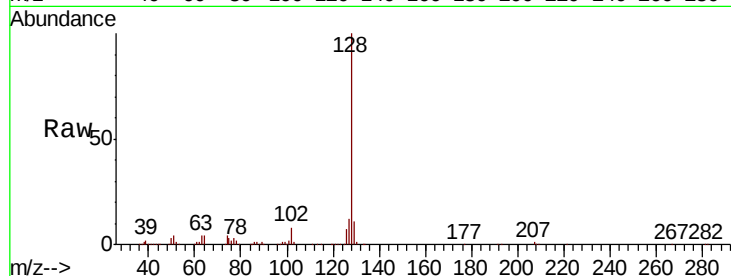
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	807701
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/26/2018 9:19:28 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.500 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051999.D

Acq: 25 Oct 2018 8:41

Tgt Ion:	180	Resp:	327508
Ion Ratio	Lower	Upper	
180	100		
182	98.5	47.9	143.6
145	31.6	15.4	46.2

