

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051974.D
 Acq On : 24 Oct 2018 8:39
 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

apatel
 10/25/2018 9:23:33 AM

Quant Time: Oct 25 10:10:56 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	1167230	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1678158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	881734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	446124	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
35) Dibromofluoromethane	7.59	113	480101	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
50) Toluene-d8	10.09	98	1783176	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
62) 4-Bromofluorobenzene	12.40	95	627404	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	364807	49.251	ug/l	100
3) Chloromethane	2.06	50	316040	47.387	ug/l	98
4) Vinyl Chloride	2.19	62	413836	46.292	ug/l	98
5) Bromomethane	2.57	94	408919	47.775	ug/l	96
6) Chloroethane	2.71	64	290486	43.768	ug/l	99
7) Trichlorofluoromethane	3.02	101	759192	47.661	ug/l	100
8) Diethyl Ether	3.41	74	220480	46.556	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	476916	49.980	ug/l	99
10) Methyl Iodide	3.96	142	727025	51.497	ug/l	99
11) Tert butyl alcohol	4.77	59	111372	207.012	ug/l	98
12) 1,1-Dichloroethene	3.74	96	418281	48.948	ug/l	98
13) Acrolein	3.61	56	64786	215.291	ug/l	98
14) Allyl chloride	4.33	41	443883	49.089	ug/l	98
15) Acrylonitrile	4.98	53	537146	236.514	ug/l	99
16) Acetone	3.81	43	363372	212.158	ug/l	100
17) Carbon Disulfide	4.06	76	1060915	52.228	ug/l	100
18) Methyl Acetate	4.32	43	240659	46.082	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1088896	47.461	ug/l	97
20) Methylene Chloride	4.55	84	466540	46.434	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	478384	49.431	ug/l	99
22) Diisopropyl ether	5.95	45	997684	48.225	ug/l	98
23) Vinyl Acetate	5.89	43	3414987	242.656	ug/l	100
24) 1,1-Dichloroethane	5.85	63	734878	48.654	ug/l	99
25) 2-Butanone	6.83	43	562785	230.490	ug/l	99
26) 2,2-Dichloropropane	6.82	77	713162	51.607	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559444	49.484	ug/l	99
28) Bromochloromethane	7.19	49	274468	45.088	ug/l	96
29) Tetrahydrofuran	7.21	42	355743	215.040	ug/l	99
30) Chloroform	7.37	83	900084	48.804	ug/l	98
31) Cyclohexane	7.65	56	613190	50.570	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	838253	49.705	ug/l	99
36) 1,1-Dichloropropene	7.79	75	642999	49.950	ug/l	99
37) Ethyl Acetate	6.92	43	270832	46.971	ug/l	98
38) Carbon Tetrachloride	7.77	117	771862	52.229	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	820549	52.188	ug/l	99
40) Benzene	8.04	78	1904724	49.834	ug/l	100
41) Methacrylonitrile	7.18	41	137371	47.489	ug/l	95
42) 1,2-Dichloroethane	8.12	62	584958	47.733	ug/l	100
43) Isopropyl Acetate	8.16	43	513691	47.649	ug/l	99
44) Trichloroethene	8.83	130	624715	50.921	ug/l	96
45) 1,2-Dichloropropane	9.12	63	436661	50.503	ug/l	98
46) Dibromomethane	9.21	93	336109	48.224	ug/l	98
47) Bromodichloromethane	9.40	83	676327	51.381	ug/l	100
48) Methyl methacrylate	9.20	41	246186	47.245	ug/l	97
49) 1,4-Dioxane	9.20	88	80127	838.594	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1363615	229.948	ug/l	100
52) Toluene	10.15	92	1332389	51.407	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	660765	49.175	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	740473	53.821	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	466067	48.669	ug/l	98
56) Ethyl methacrylate	10.43	69	509597	49.505	ug/l	99
57) 1,3-Dichloropropane	10.71	76	712397	49.003	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1330554	247.032	ug/l	100
59) 2-Hexanone	10.75	43	936292	234.989	ug/l	99
60) Dibromochloromethane	10.90	129	576891	47.333	ug/l	100
61) 1,2-Dibromoethane	11.00	107	503138	49.830	ug/l	99
64) Tetrachloroethene	10.63	164	601536	49.720	ug/l	98
65) Chlorobenzene	11.43	112	1610537	50.605	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	600372	52.484	ug/l	99
67) Ethyl Benzene	11.51	91	2614294	51.103	ug/l	99
68) m/p-Xylenes	11.62	106	2164359	105.892	ug/l	100
69) o-Xylene	11.95	106	1052092	52.927	ug/l	98
70) Styrene	11.96	104	1703042	53.603	ug/l	99
71) Bromoform	12.12	173	379394	45.121	ug/l	98
73) Isopropylbenzene	12.25	105	2827647	50.566	ug/l	99
74) N-amyl acetate	12.07	43	498071	45.252	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	517483	44.786	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	372472m	40.896	ug/l	
77) Bromobenzene	12.53	156	791960	51.317	ug/l	96
78) n-propylbenzene	12.59	91	3108905	51.538	ug/l	100
79) 2-Chlorotoluene	12.67	91	1779162	50.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2353945	52.468	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132654	47.060	ug/l	98
82) 4-Chlorotoluene	12.77	91	1883466	51.785	ug/l	99
83) tert-Butylbenzene	12.99	119	2171889	51.184	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2404923	51.967	ug/l	100
85) sec-Butylbenzene	13.17	105	2862421	51.649	ug/l	100
86) p-Isopropyltoluene	13.29	119	2616488	52.440	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1457403	51.202	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1465861	52.237	ug/l	100
89) n-Butylbenzene	13.61	91	2030729	51.113	ug/l	100
90) Hexachloroethane	13.88	117	404163	54.372	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1375042	49.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68602	38.669	ug/l	97

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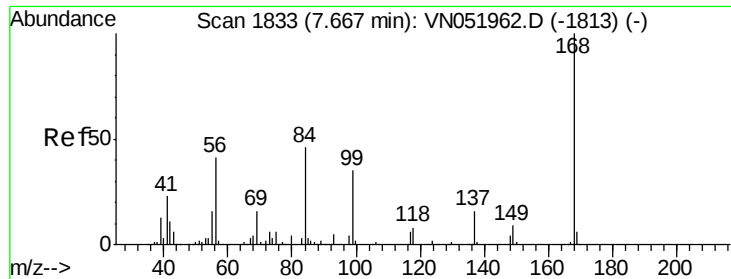
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	661970	40.698	ug/l	99
94) Hexachlorobutadiene	15.01	225	360365	43.118	ug/l	99
95) Naphthalene	15.13	128	1236336	35.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	537775	34.590	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1167230

Ion Ratio Lower Upper

168 100

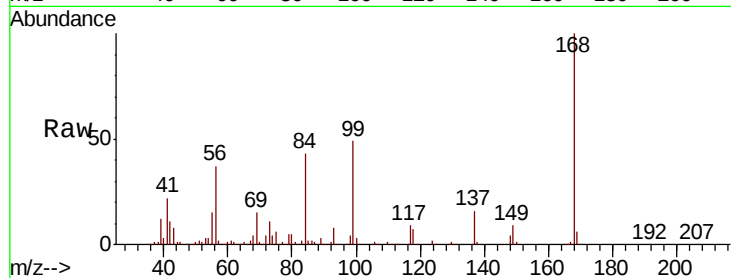
99 48.4 37.8 56.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

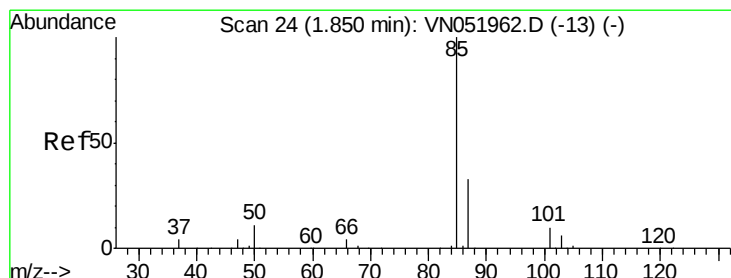
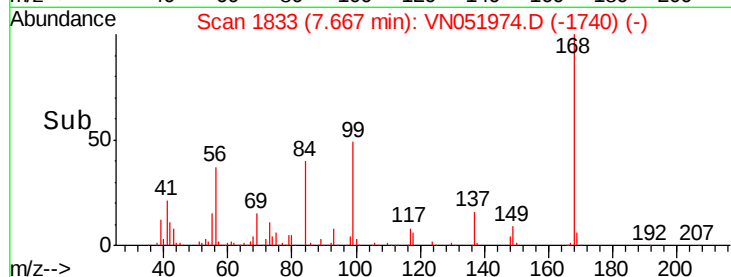
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.251 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051974.D

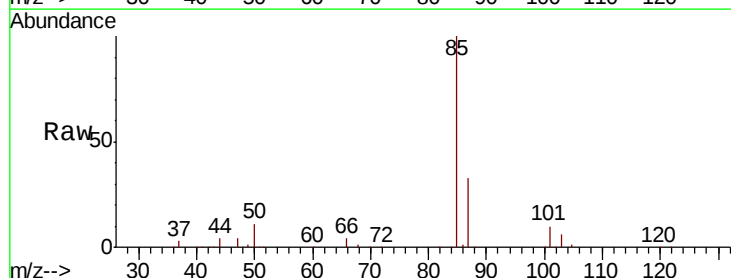
Acq: 24 Oct 2018 8:39

Tgt Ion: 85 Resp: 364807

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

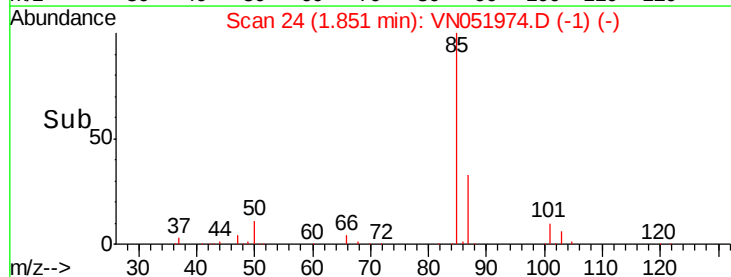
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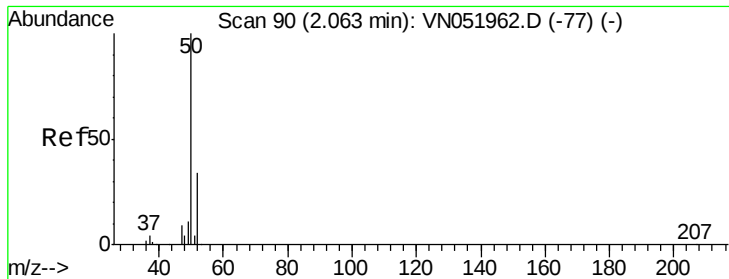
100000

50000

0

Time-->





#3

Chloromethane

Concen: 47.387 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 316040

Ion Ratio Lower Upper

50 100

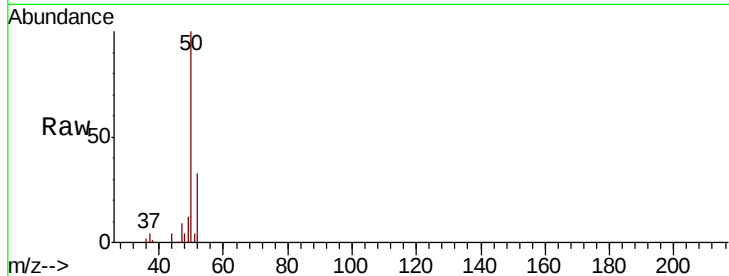
52 33.0 27.5 41.3

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

Ion 51.90 (51.60 to 52.60): VN051962.D (-77) (-)

2.06

200000

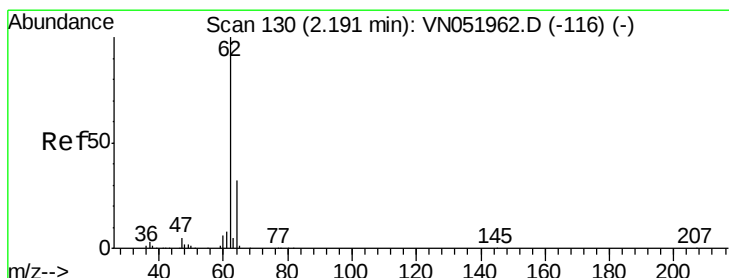
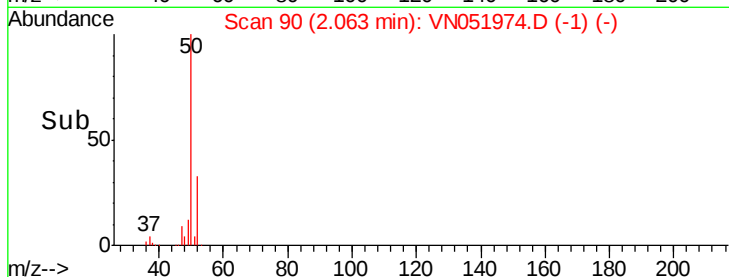
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.292 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN051974.D

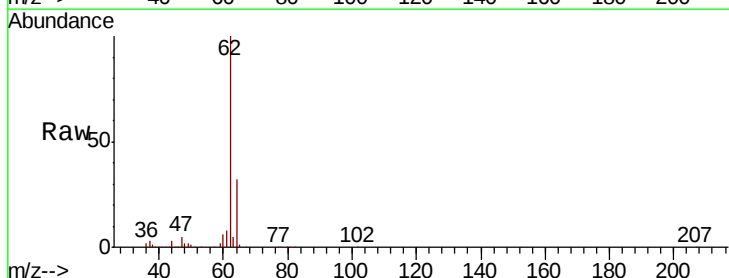
Acq: 24 Oct 2018 8:39

Tgt Ion: 62 Resp: 413836

Ion Ratio Lower Upper

62 100

64 31.5 26.0 39.0



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

Ion 63.90 (63.60 to 64.60): VN051962.D (-116) (-)

2.19

300000

250000

200000

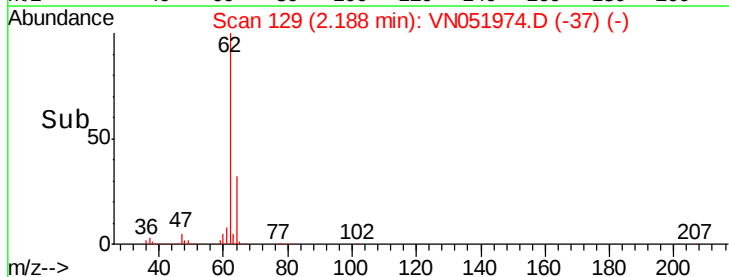
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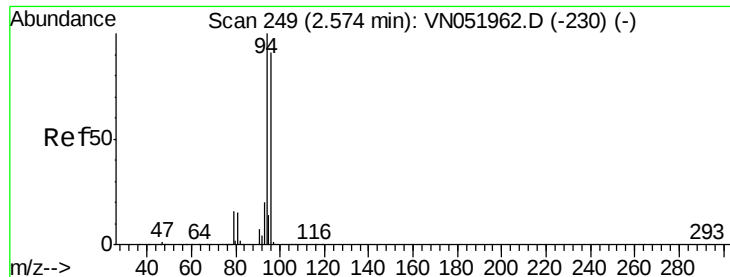
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.775 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 408919

Ion Ratio Lower Upper

94 100

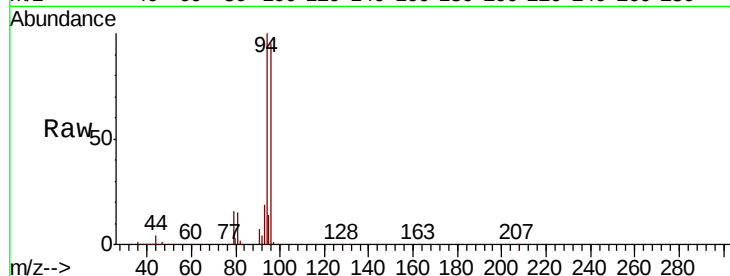
96 94.6 73.0 109.6

Manual Integrations

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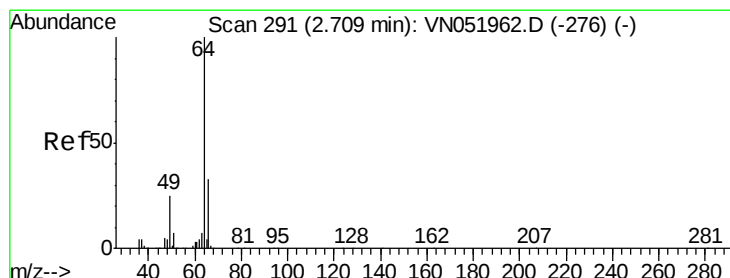
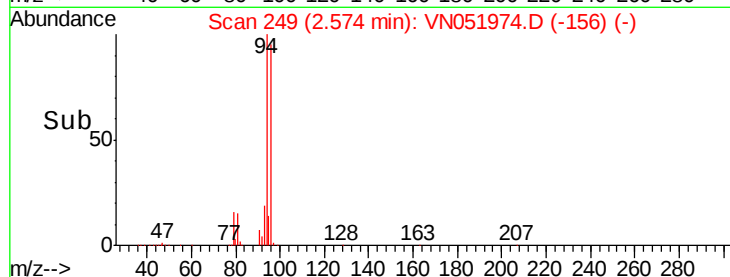
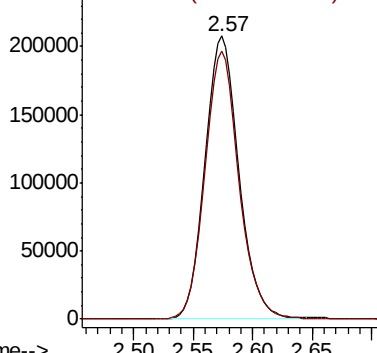
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.768 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051974.D

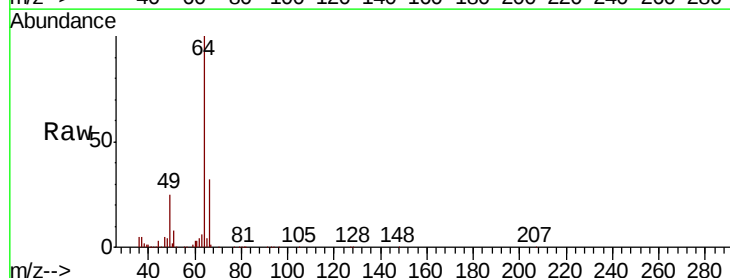
Acq: 24 Oct 2018 8:39

Tgt Ion: 64 Resp: 290486

Ion Ratio Lower Upper

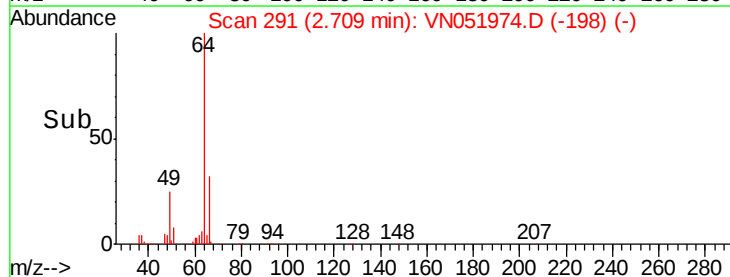
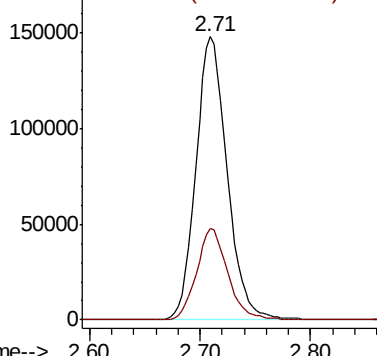
64 100

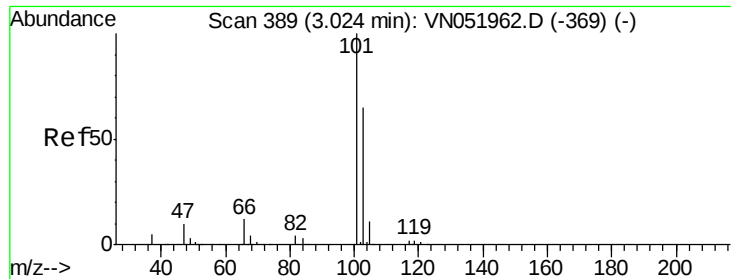
66 32.1 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

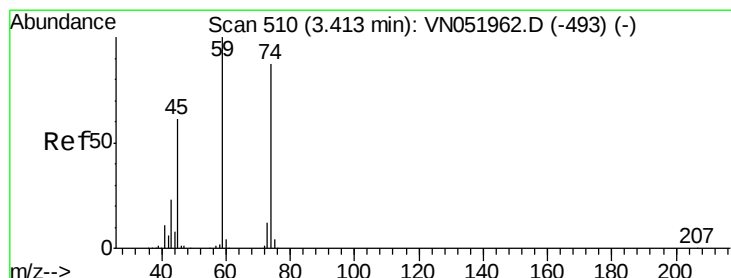
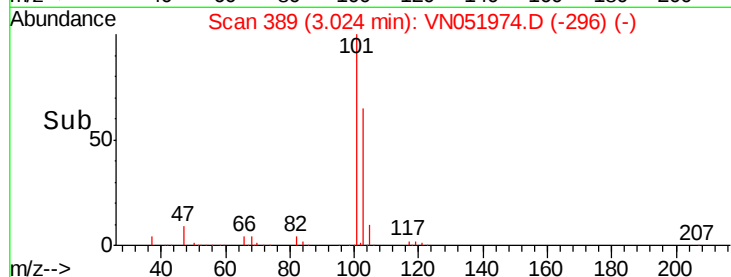
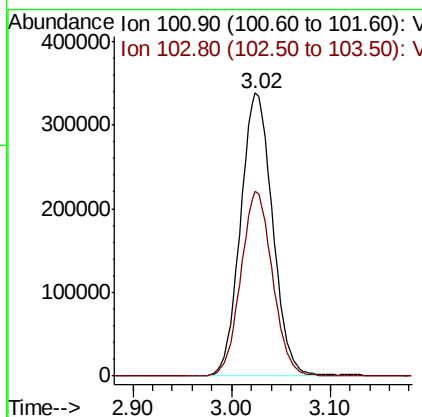
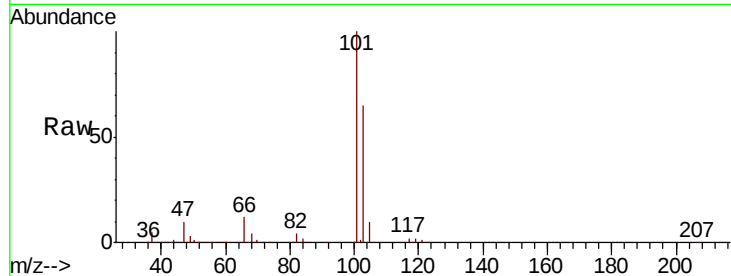
Trichlorofluoromethane
 Concen: 47.661 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.0	78.0

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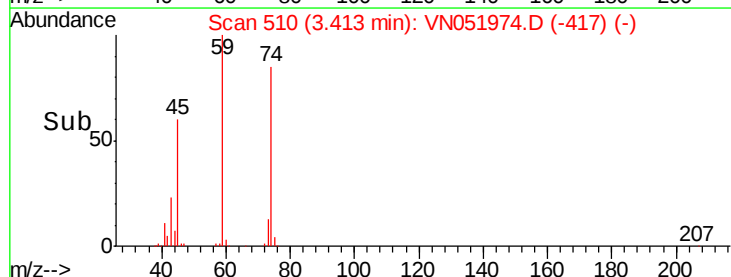
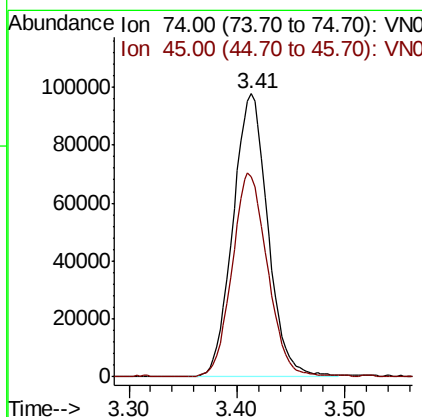
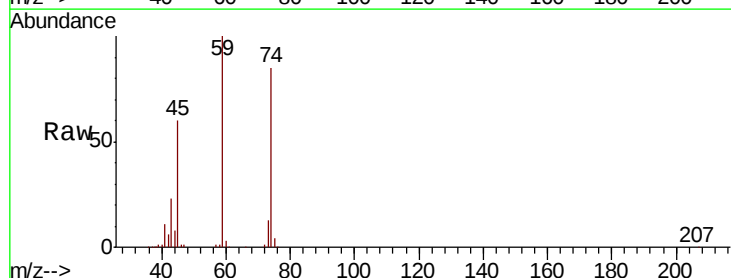
apatel
 10/25/2018 9:23:33 AM

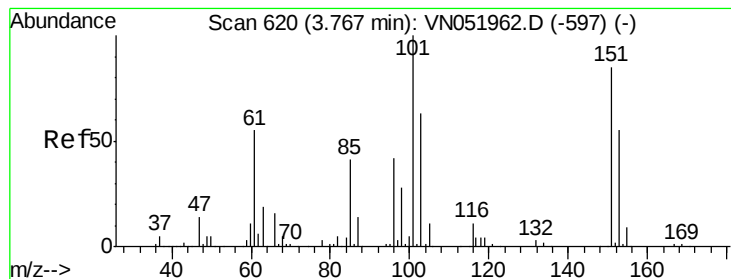


#8

Diethyl Ether
 Concen: 46.556 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.2	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.980 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

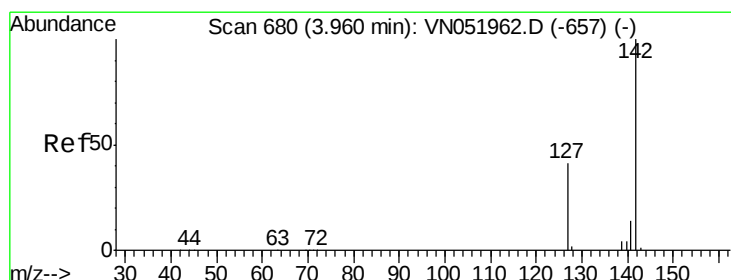
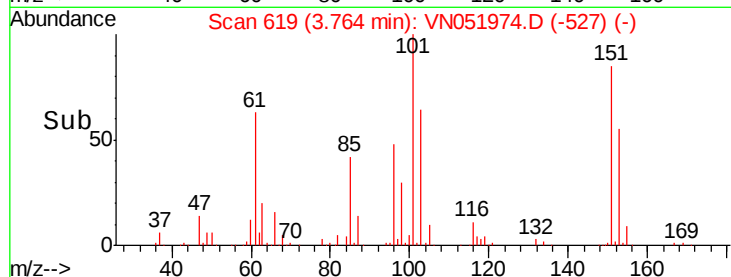
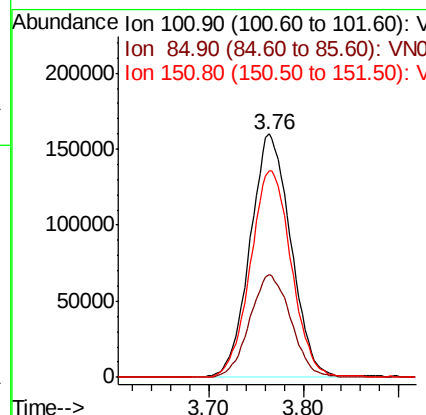
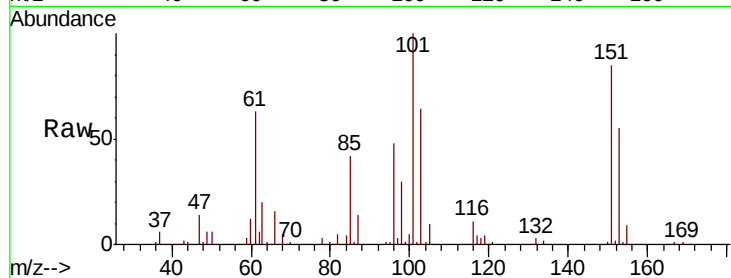
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	476916
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	85.7	69.1	103.7

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#10

Methyl Iodide

Concen: 51.497 ug/l

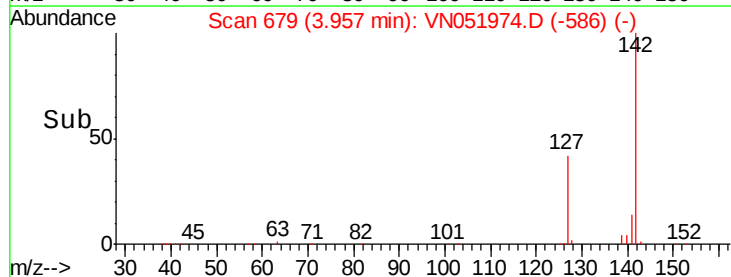
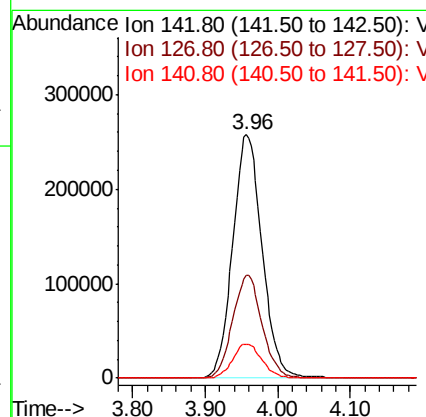
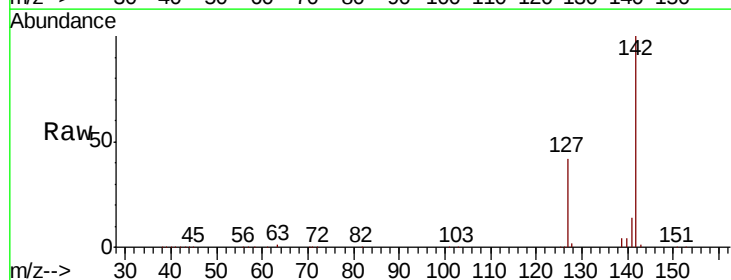
RT: 3.96 min Scan# 679

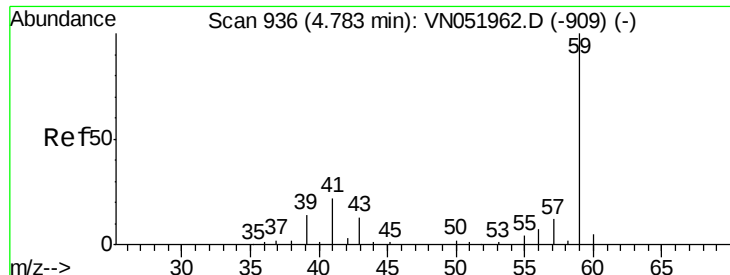
Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion:	142	Resp:	727025
Ion Ratio	Lower	Upper	
142	100		
127	42.2	34.3	51.5
141	14.0	11.4	17.0





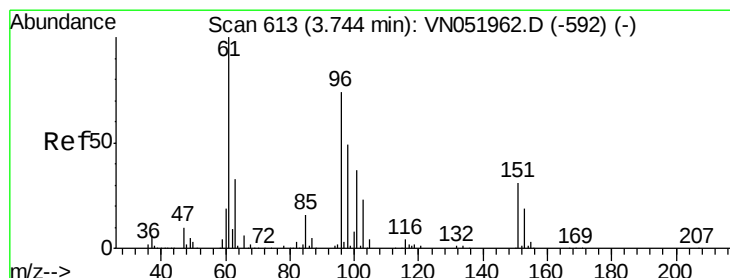
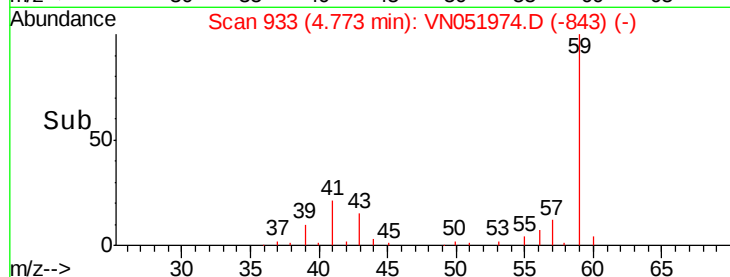
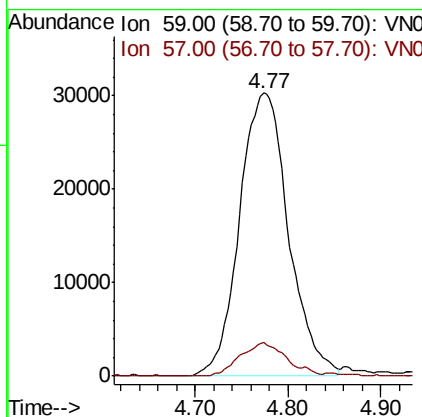
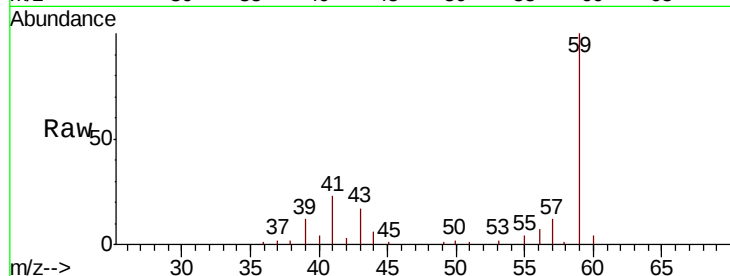
#11
Tert butyl alcohol
Concen: 207.012 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.2	12.4

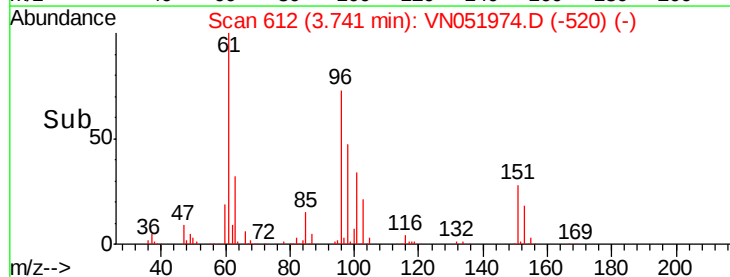
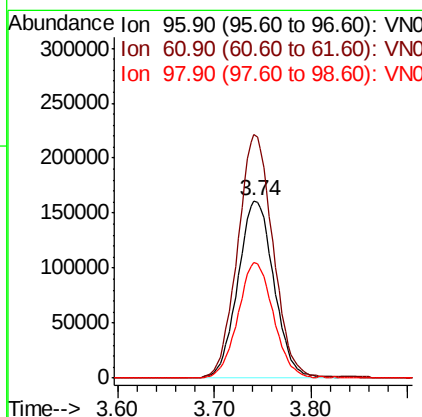
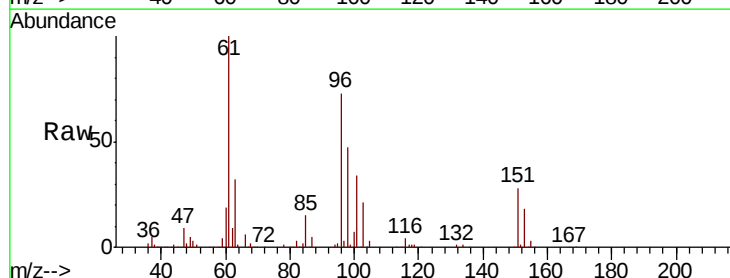
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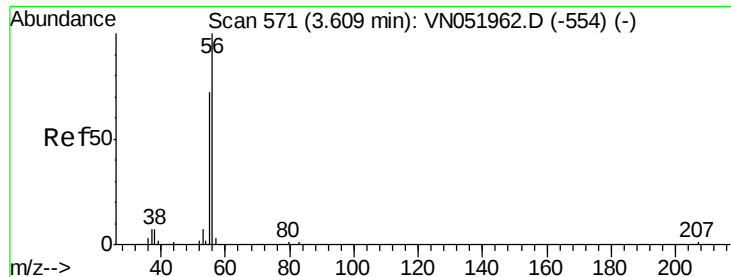
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#12
1,1-Dichloroethene
Concen: 48.948 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.3	107.8	161.8
98	65.2	52.7	79.1





#13

Acrolein

Concen: 215.291 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 64786

Ion Ratio Lower Upper

56 100

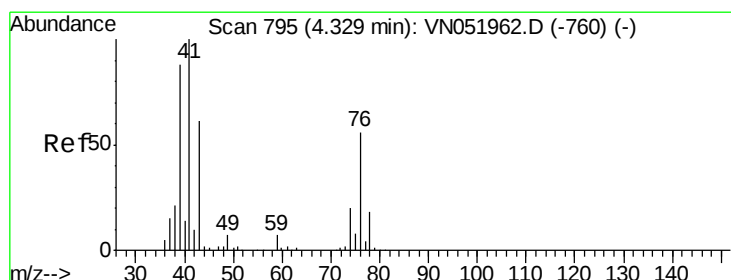
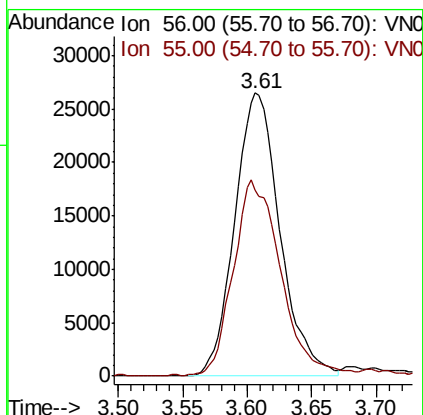
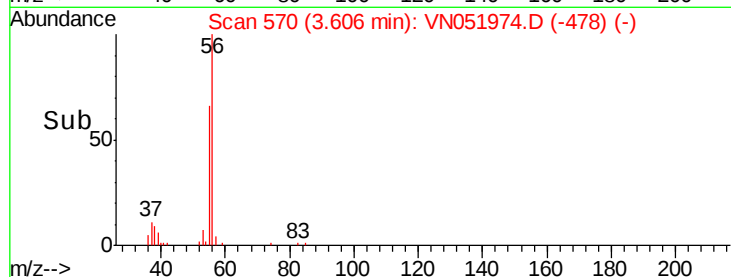
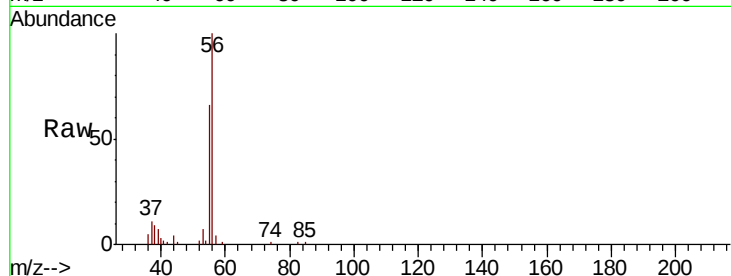
55 72.7 56.6 84.8

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#14

Allyl chloride

Concen: 49.089 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

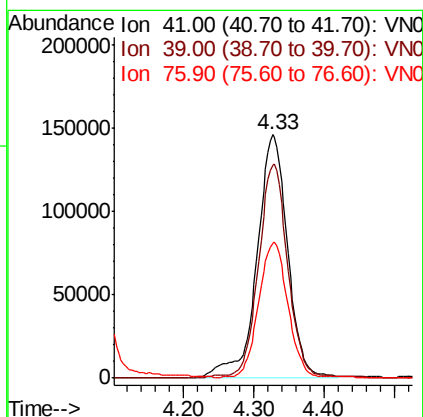
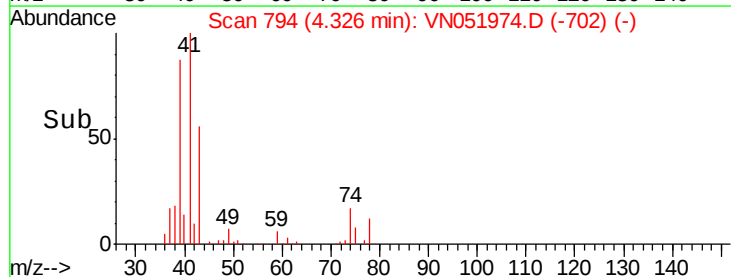
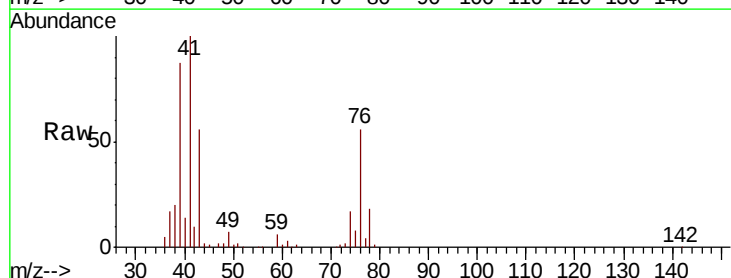
Tgt Ion: 41 Resp: 443883

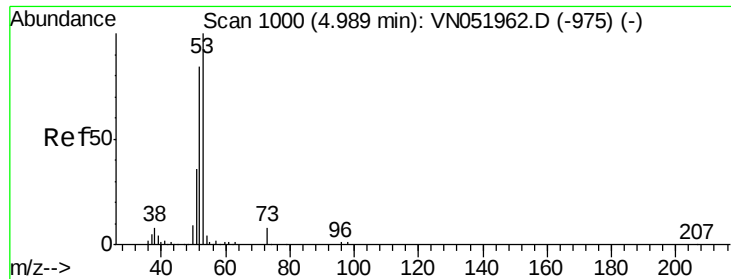
Ion Ratio Lower Upper

41 100

39 81.8 67.7 101.5

76 52.0 41.3 61.9





#15

Acrylonitrile

Concen: 236.514 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

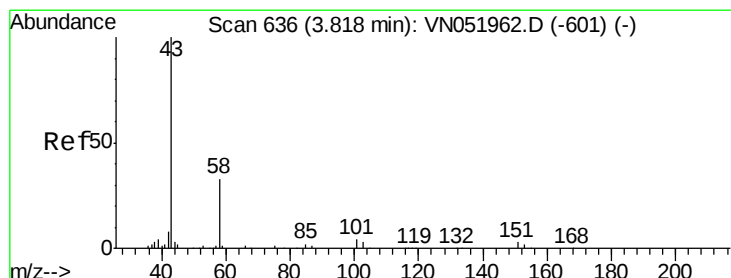
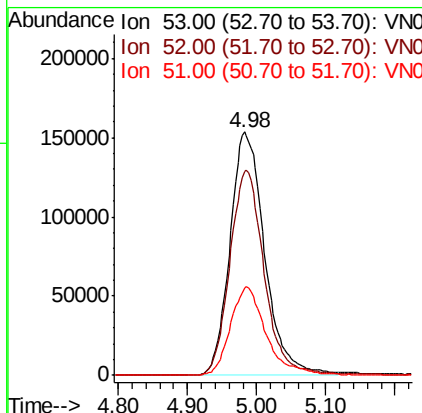
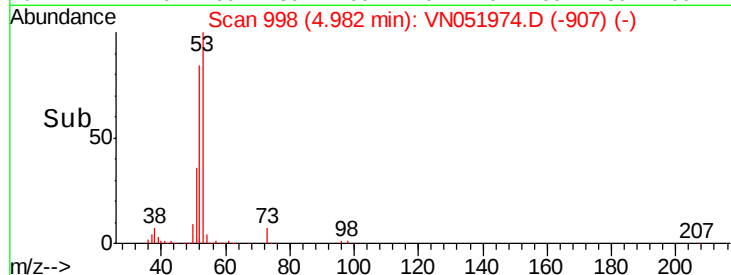
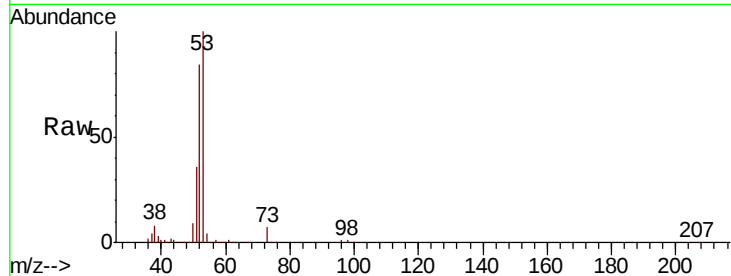
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	537146
Ion Ratio		Lower	Upper
53	100		
52	83.1	67.0	100.4
51	37.3	29.5	44.3

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#16

Acetone

Concen: 212.158 ug/l

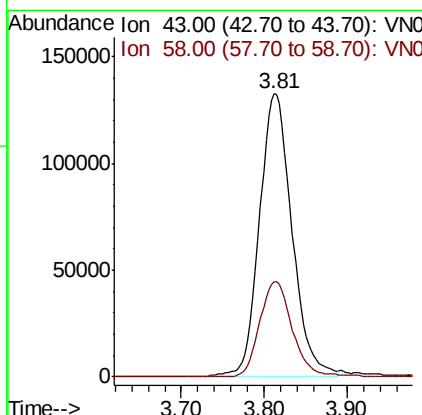
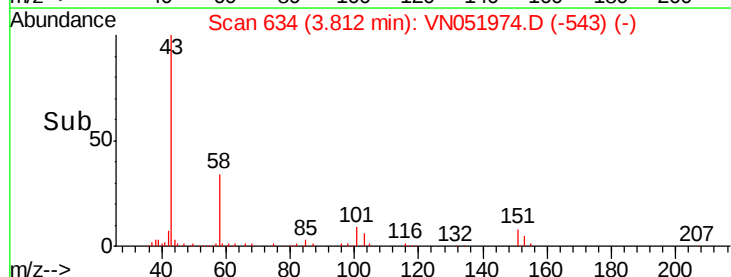
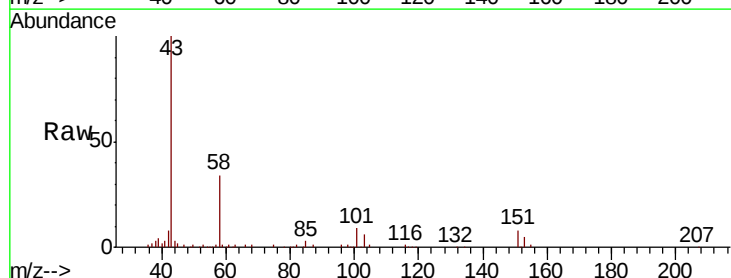
RT: 3.81 min Scan# 634

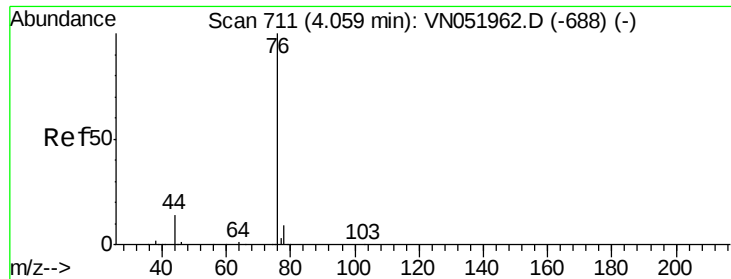
Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion:	43	Resp:	363372
Ion Ratio		Lower	Upper
43	100		
58	33.6	26.7	40.1





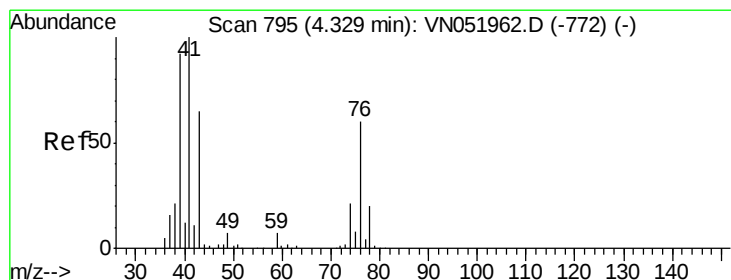
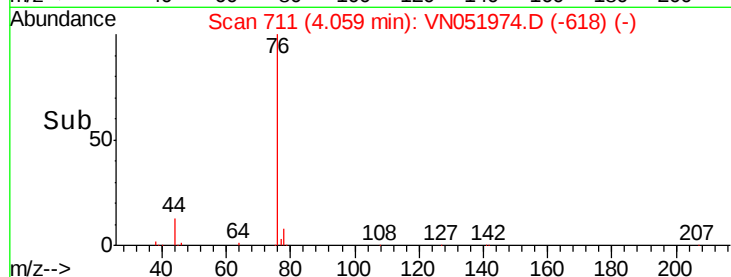
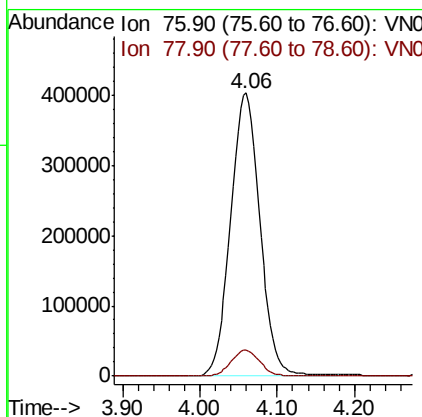
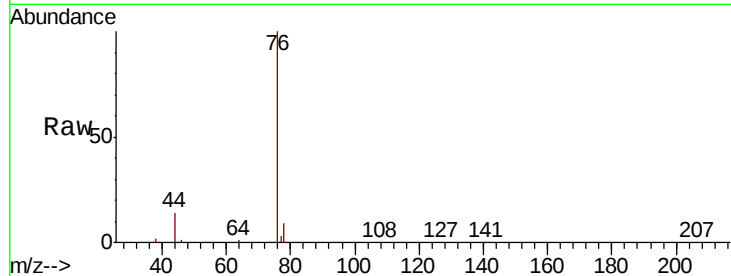
#17
Carbon Disulfide
Concen: 52.228 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1060915
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

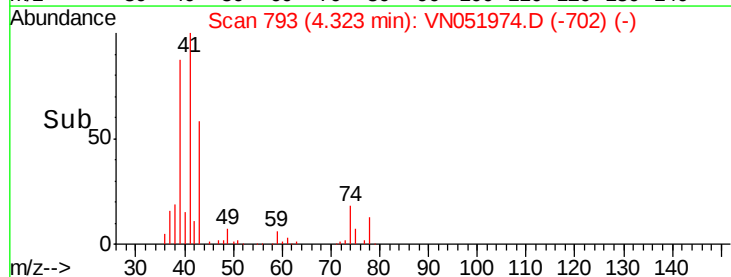
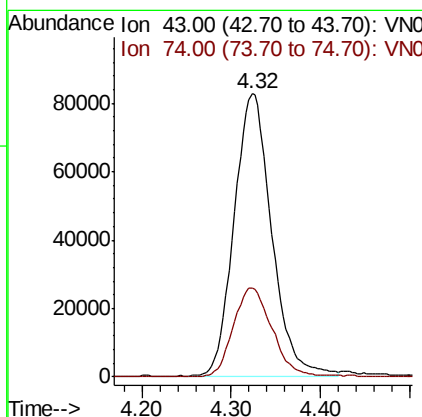
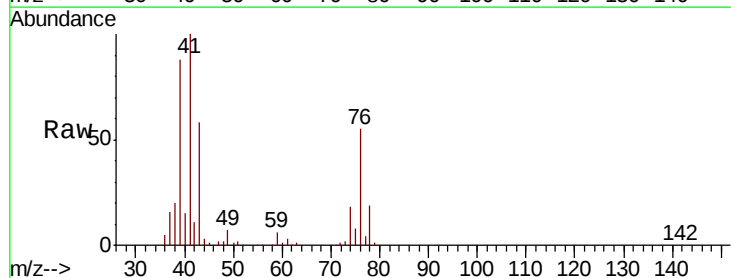
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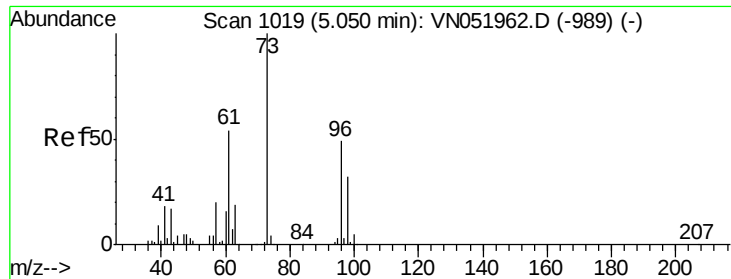
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#18
Methyl Acetate
Concen: 46.082 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 43 Resp: 240659
Ion Ratio Lower Upper
43 100
74 32.6 25.7 38.5





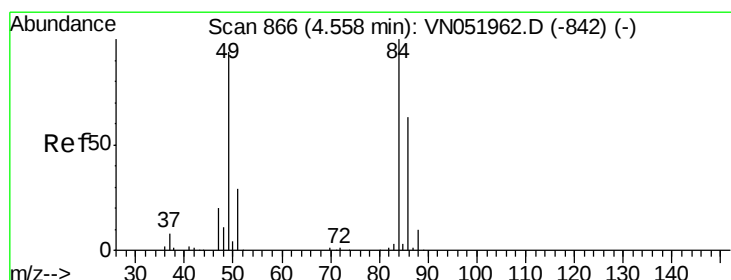
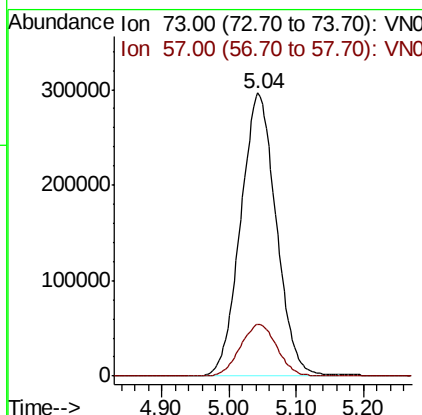
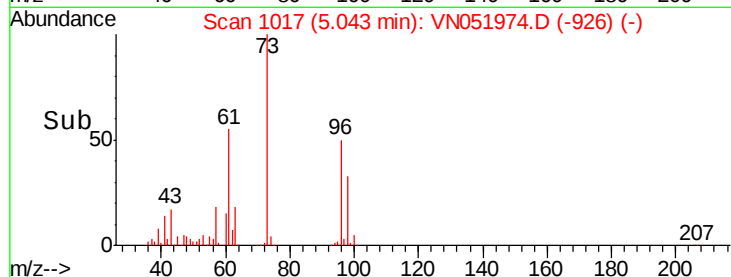
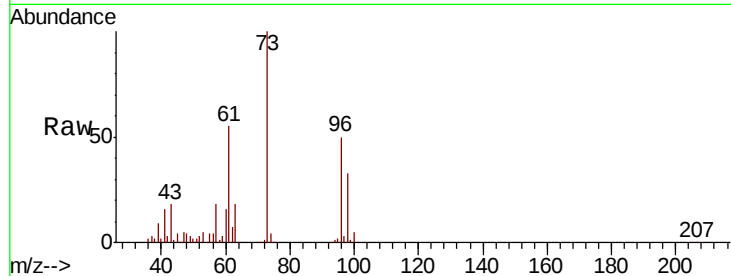
#19
Methyl tert-butyl Ether
Concen: 47.461 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1088896
Ion Ratio Lower Upper
73 100
57 18.5 15.9 23.9

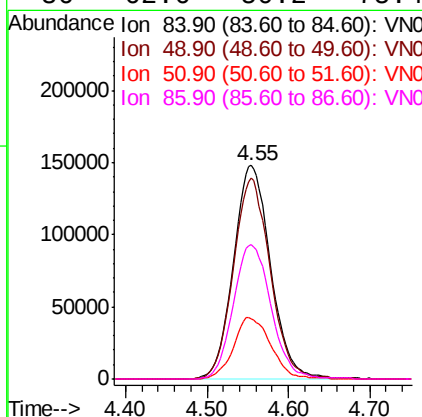
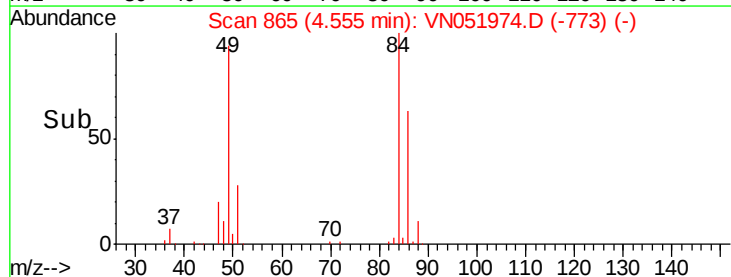
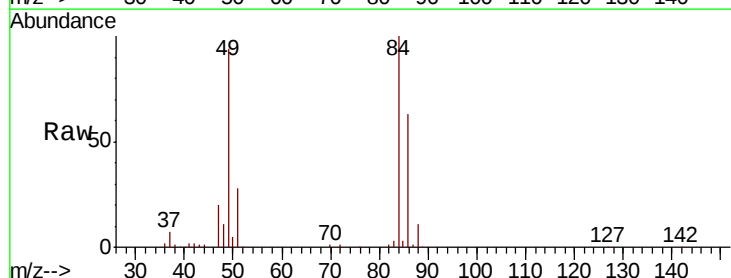
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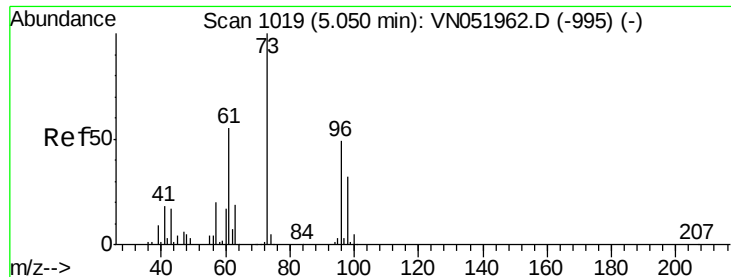
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#20
Methylene Chloride
Concen: 46.434 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 84 Resp: 466540
Ion Ratio Lower Upper
84 100
49 94.1 75.4 113.0
51 28.4 23.1 34.7
86 62.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 49.431 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

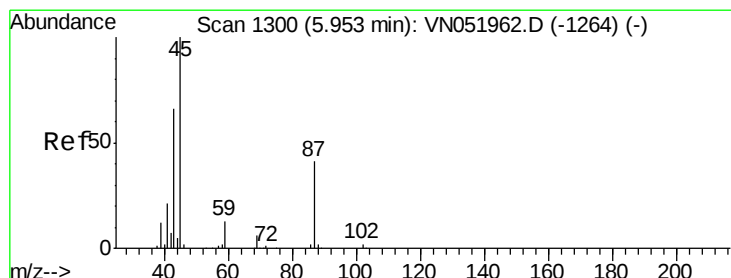
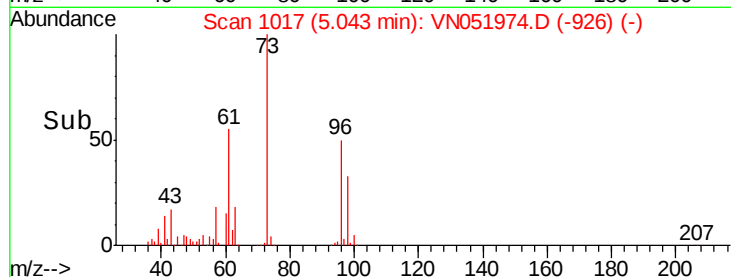
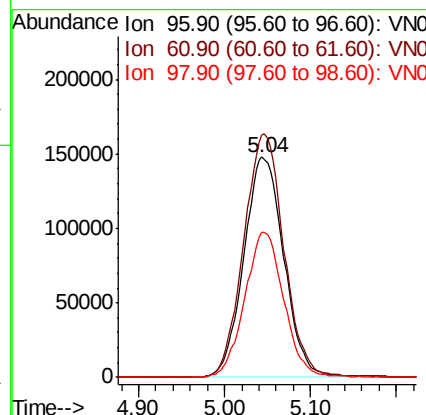
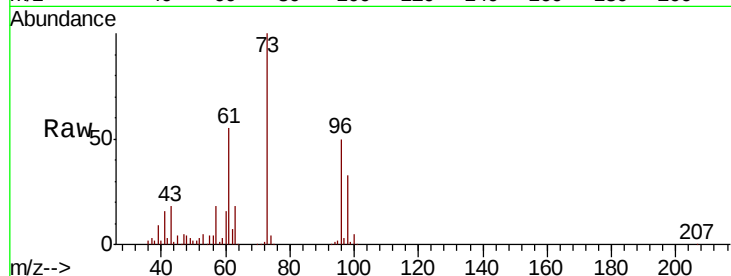
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	478384
Ion	Ratio	Lower	Upper
96	100		
61	110.3	89.0	133.4
98	65.9	51.8	77.8

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#22

Diisopropyl ether

Concen: 48.225 ug/l

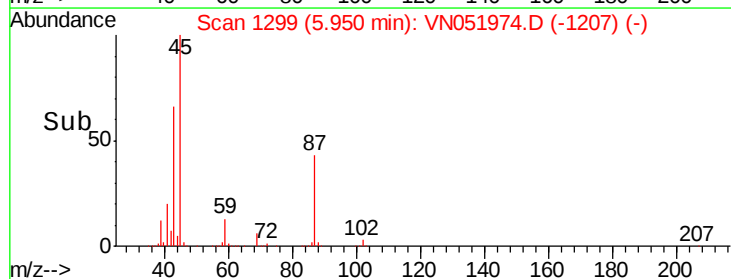
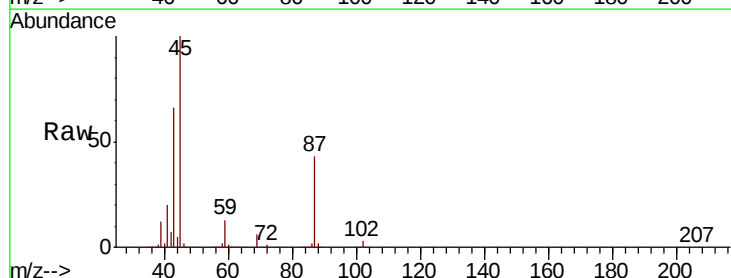
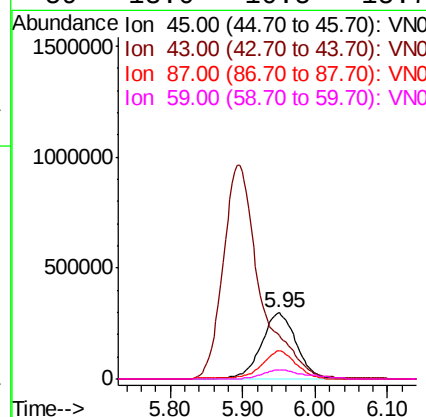
RT: 5.95 min Scan# 1299

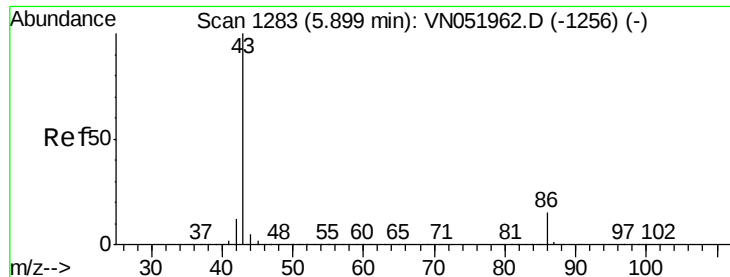
Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion:	45	Resp:	997684
Ion	Ratio	Lower	Upper
45	100		
43	64.6	52.9	79.3
87	42.8	33.4	50.0
59	13.0	10.5	15.7





#23

Vinyl Acetate

Concen: 242.656 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3414987

Ion Ratio Lower Upper

43 100

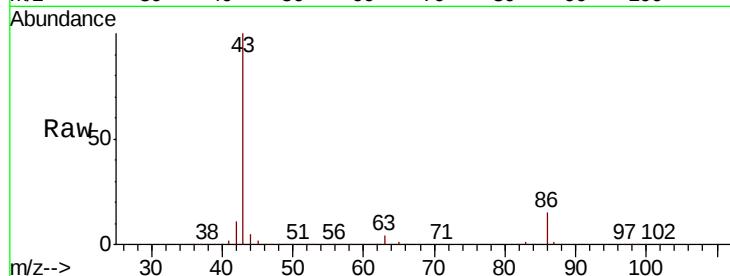
86 14.8 11.9 17.9

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Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN051962.D (-1256) (-)

5.89

1000000

800000

600000

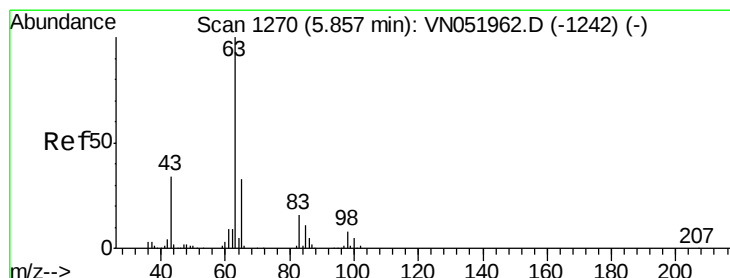
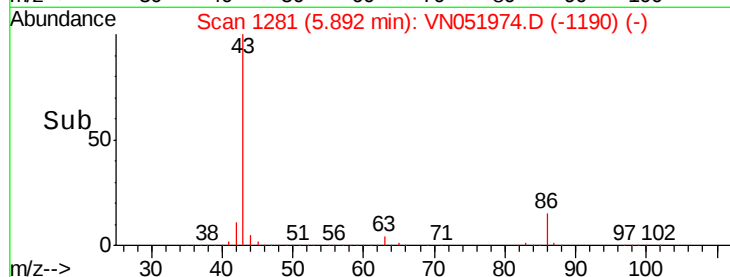
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 48.654 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

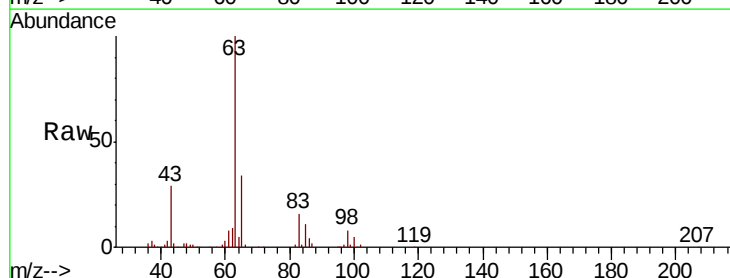
Tgt Ion: 63 Resp: 734878

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 5.0 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN051962.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN051962.D (-1242) (-)

5.85

300000

250000

200000

150000

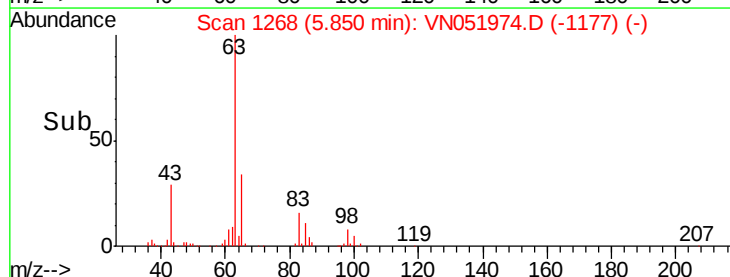
100000

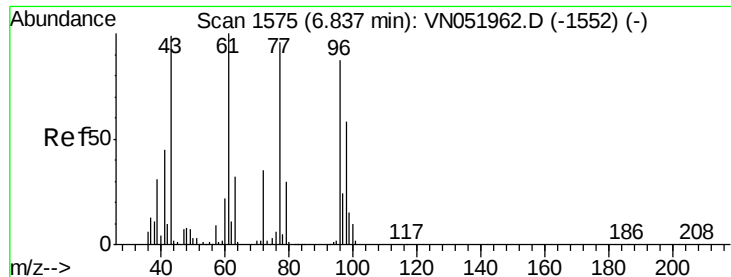
50000

0

5.70 5.80 5.90 6.00

Time-->





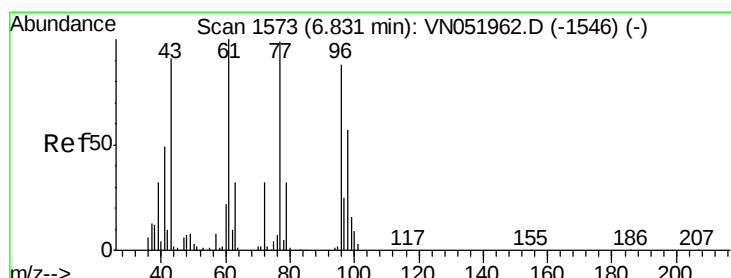
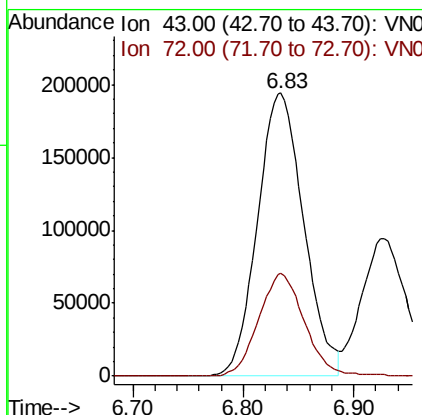
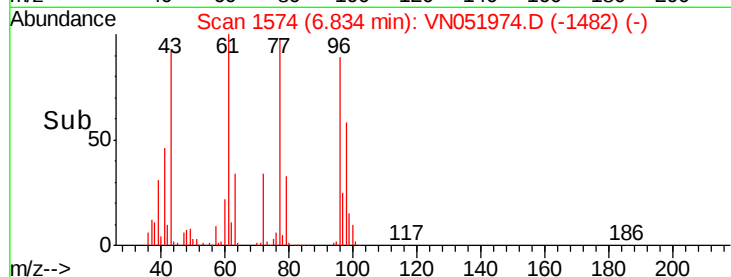
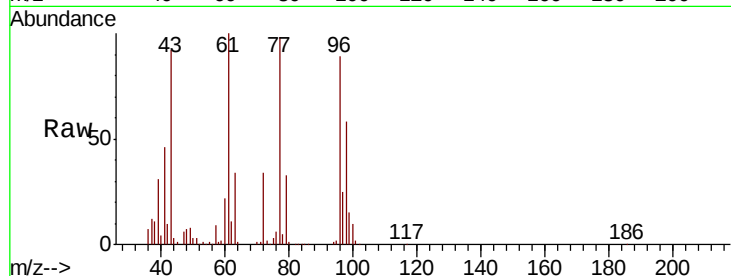
#25
2-Butanone
Concen: 230.490 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 562785
Ion Ratio Lower Upper
43 100
72 36.4 28.5 42.7

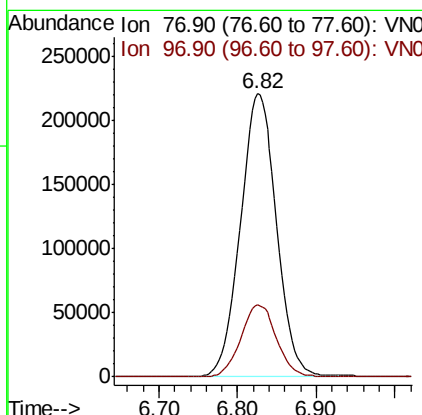
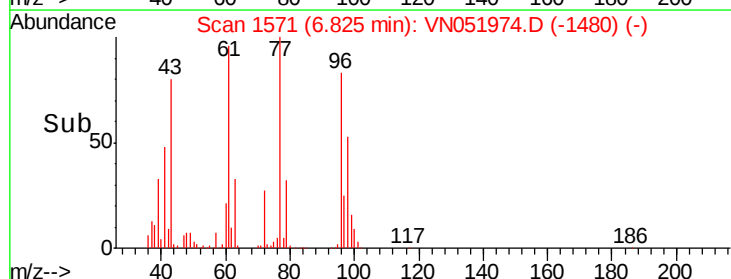
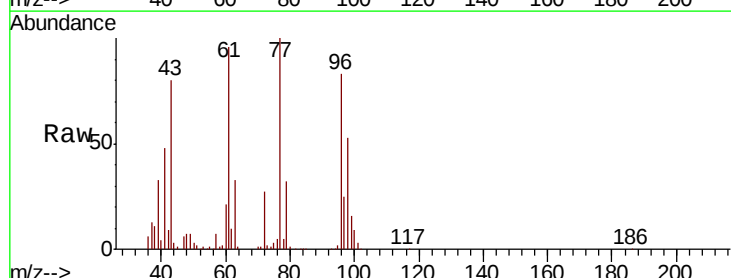
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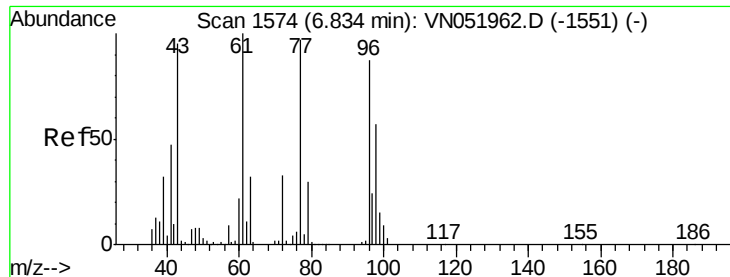
apatel
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#26
2,2-Dichloropropane
Concen: 51.607 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 77 Resp: 713162
Ion Ratio Lower Upper
77 100
97 25.2 12.6 37.6





#27

cis-1,2-Dichloroethene

Concen: 49.484 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

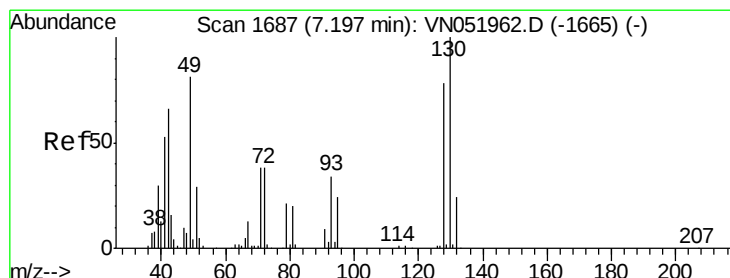
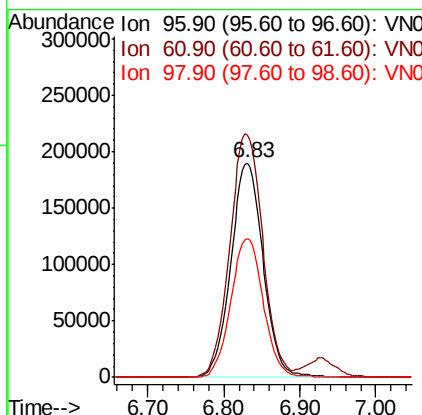
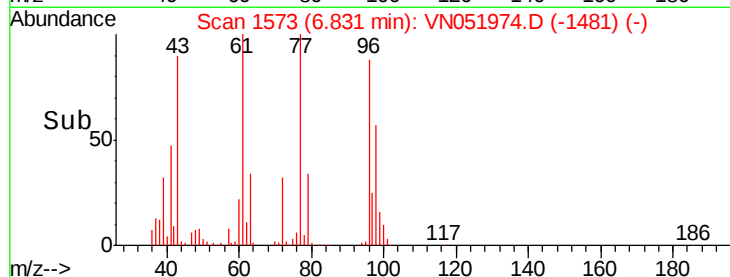
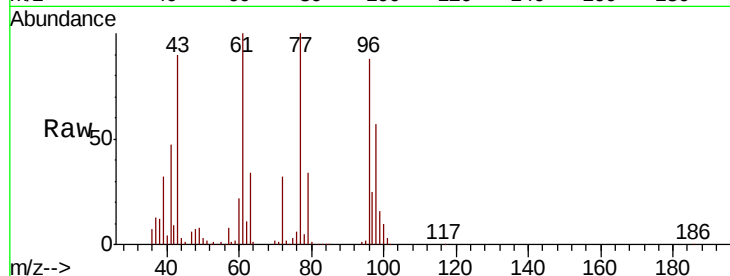
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	559444
Ion	Ratio	Lower	Upper
96	100		
61	116.0	0.0	234.4
98	65.4	0.0	131.6

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#28

Bromochloromethane

Concen: 45.088 ug/l

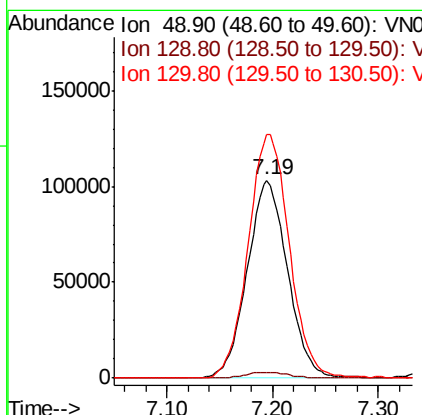
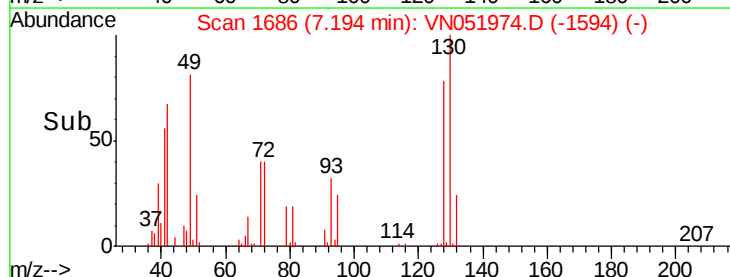
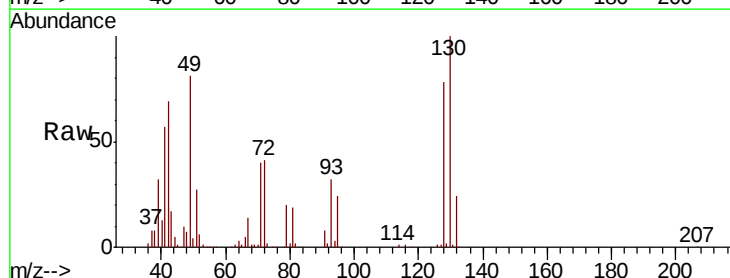
RT: 7.19 min Scan# 1686

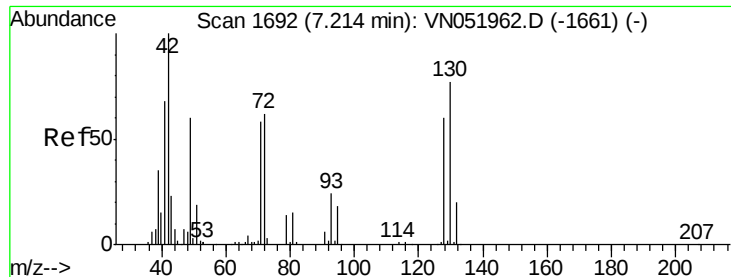
Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion:	49	Resp:	274468
Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.4
130	126.0	97.0	145.6





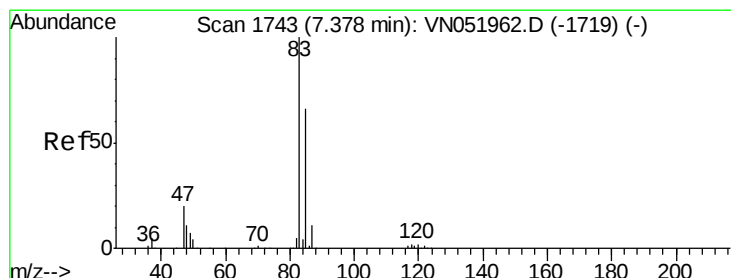
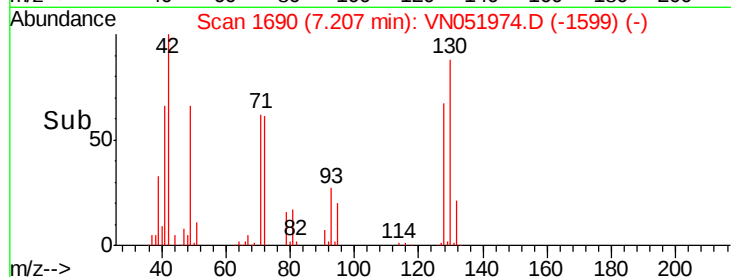
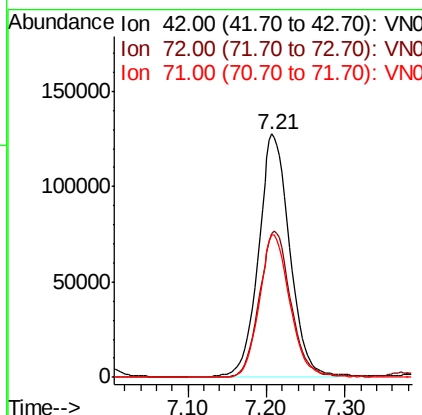
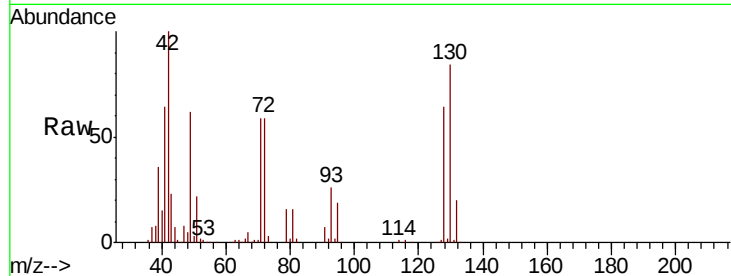
#29
Tetrahydrofuran
Concen: 215.040 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.6	47.5	71.3
71	57.6	45.4	68.2

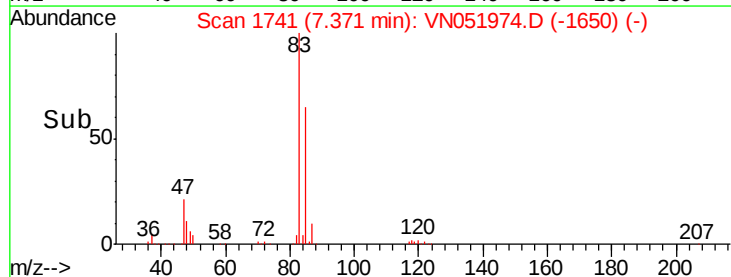
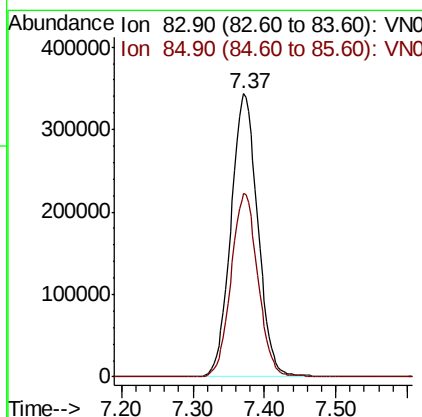
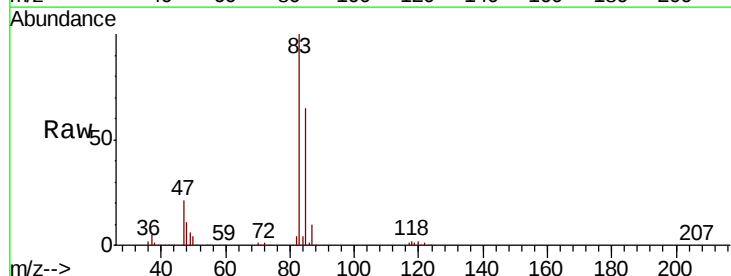
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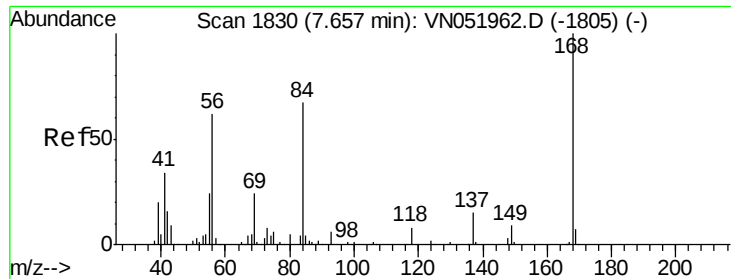
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#30
Chloroform
Concen: 48.804 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.8	79.2





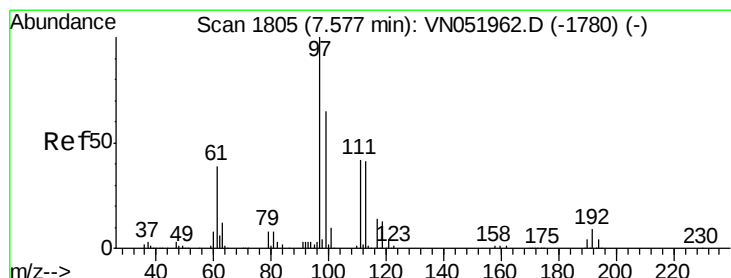
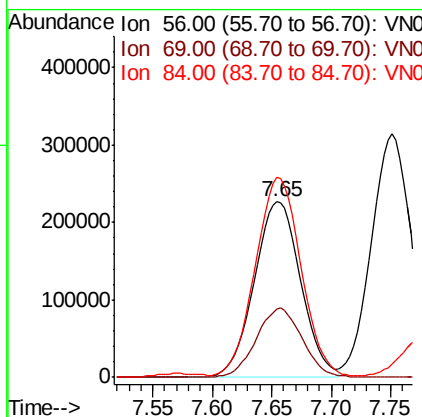
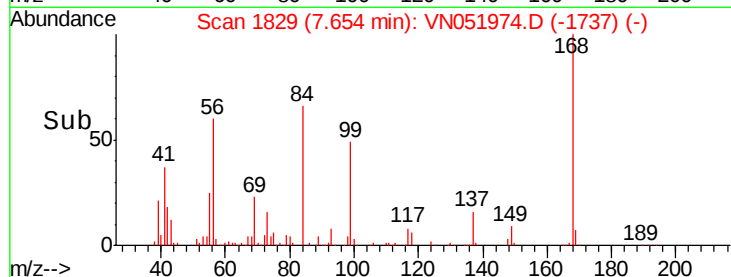
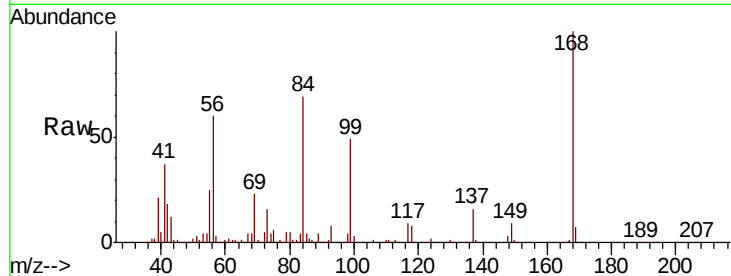
#31
Cyclohexane
Concen: 50.570 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	31.2	46.8
84	112.2	86.3	129.5

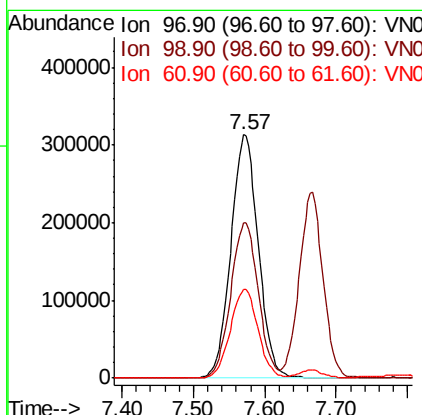
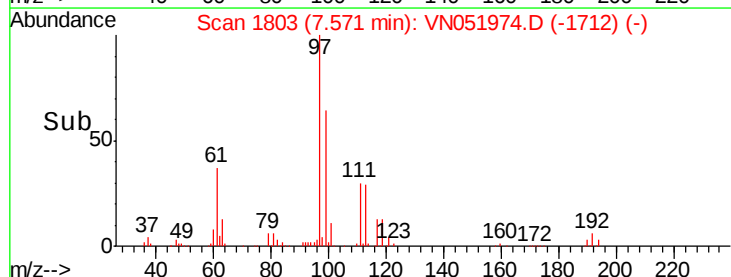
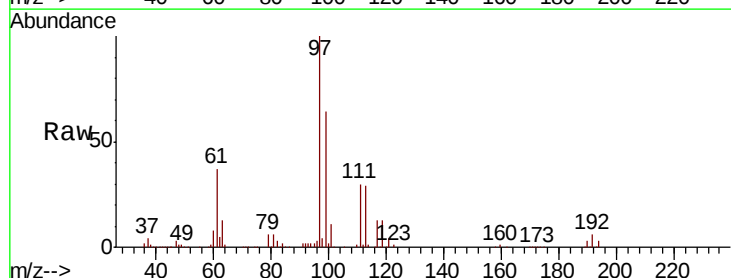
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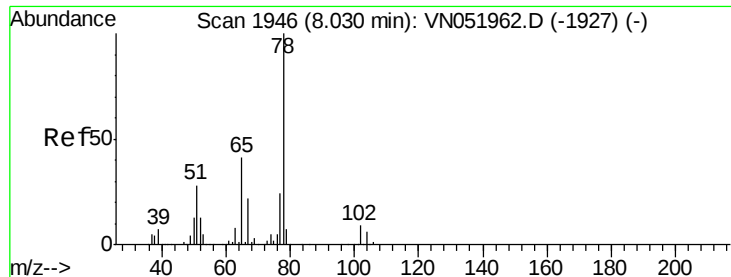
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#32
1,1,1-Trichloroethane
Concen: 49.705 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	37.0	30.1	45.1





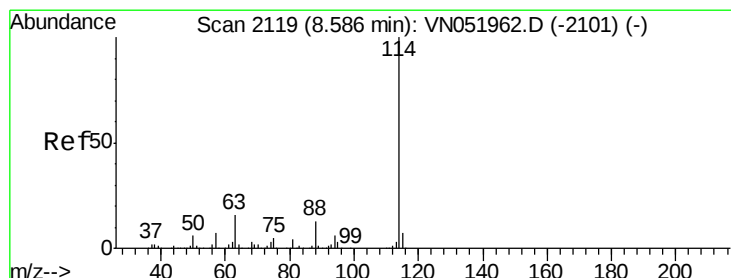
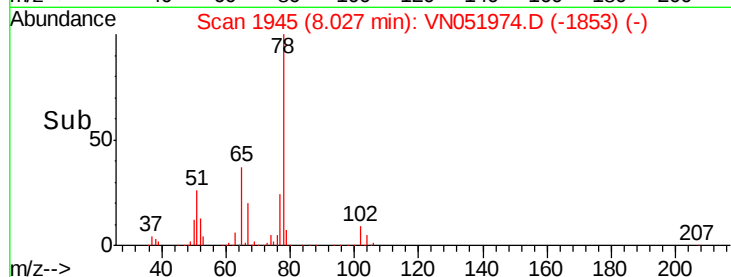
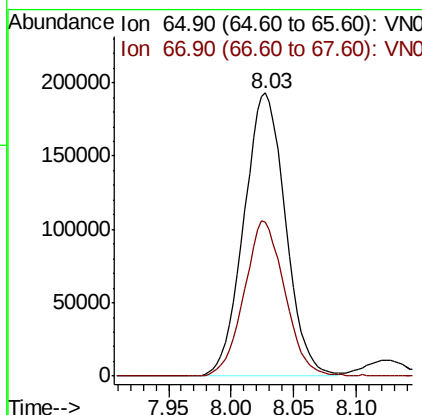
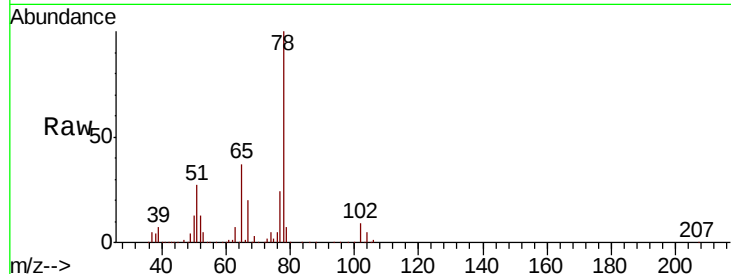
#33
 1,2-Dichloroethane-d4
 Concen: 49.705 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	105.8	

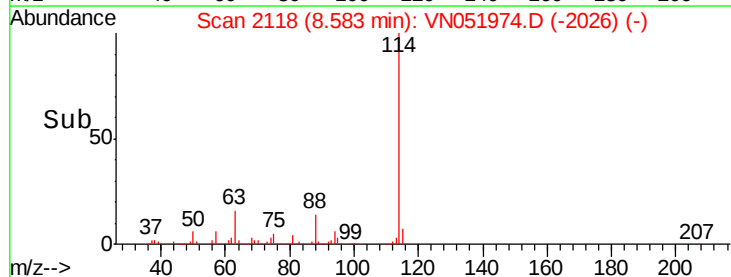
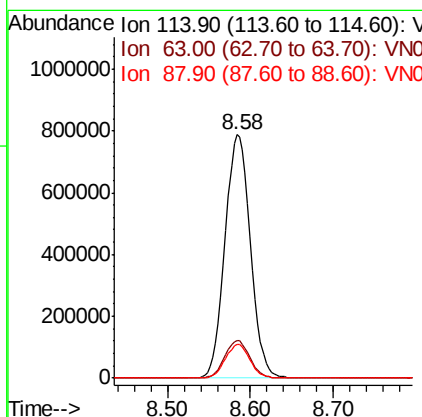
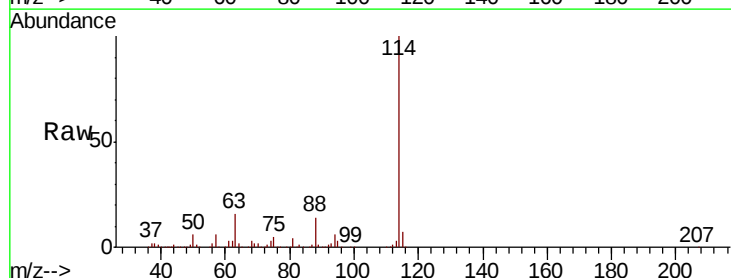
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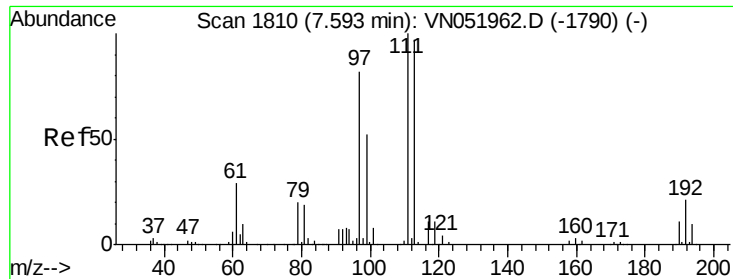
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	15.5	0.0	31.2	
88	13.8	0.0	27.0	





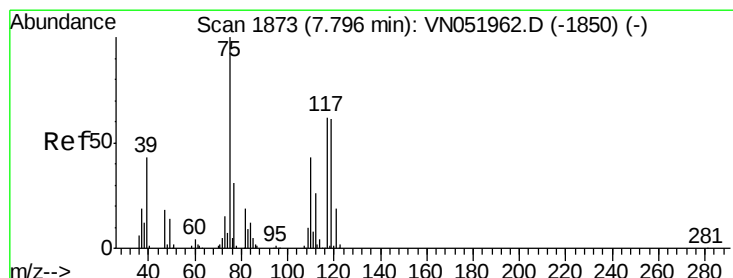
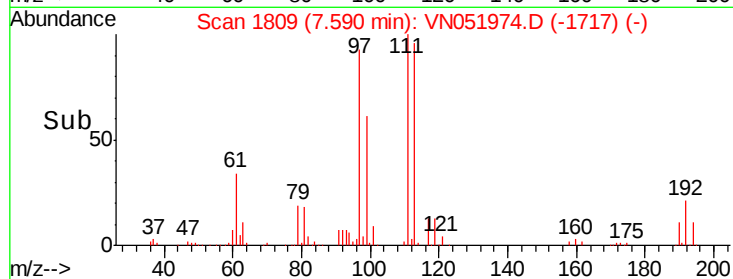
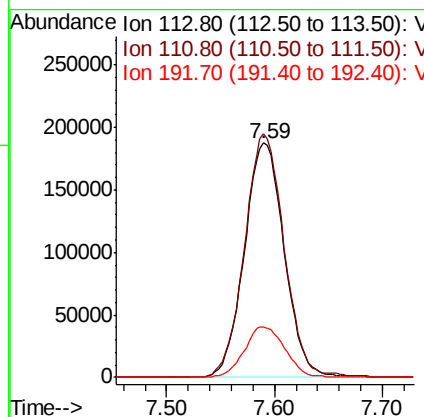
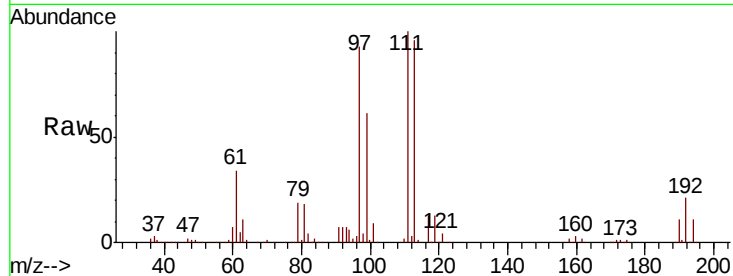
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.9	80.7	121.1	
192	22.1	17.2	25.8	

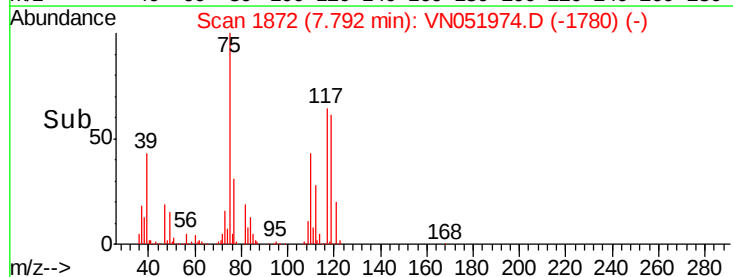
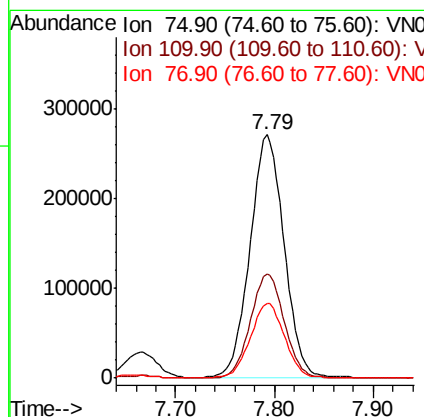
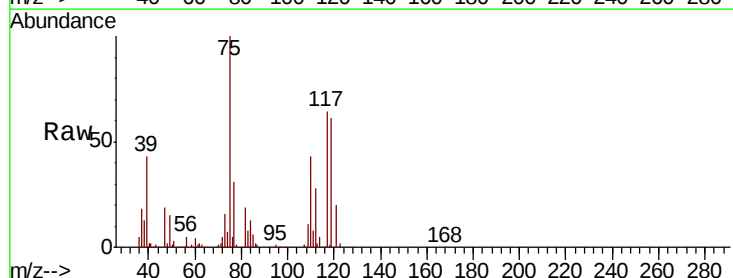
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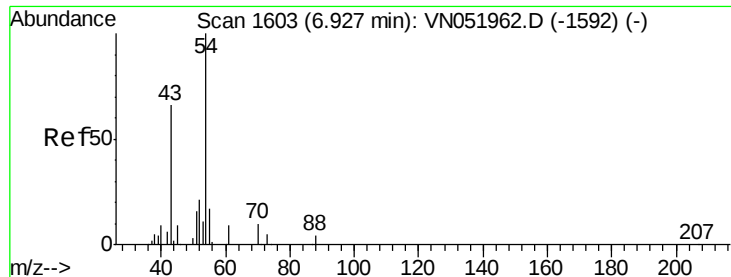
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#36
 1,1-Dichloropropene
 Concen: 49.950 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	42.7	20.9	62.8	
77	31.3	24.9	37.3	





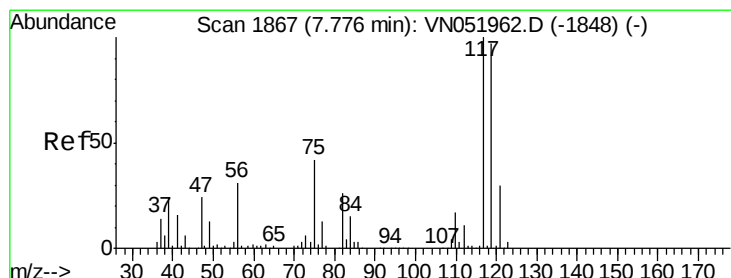
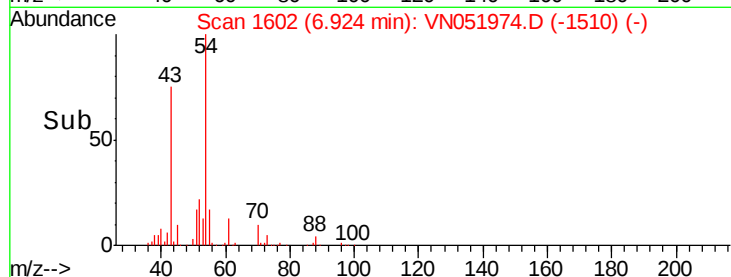
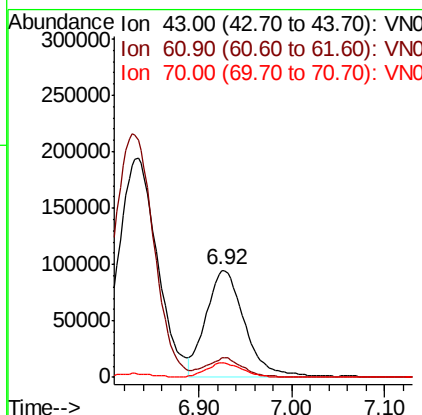
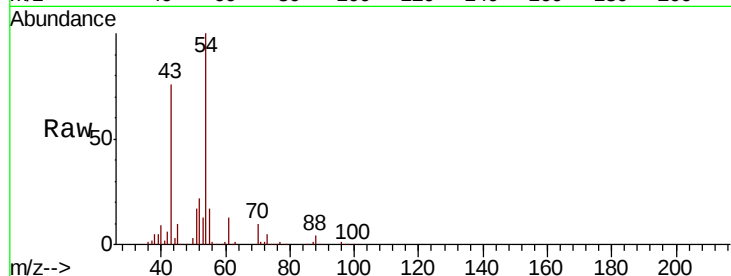
#37
Ethyl Acetate
Concen: 46.971 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	16.3	13.5	20.3	
70	13.0	9.8	14.6	

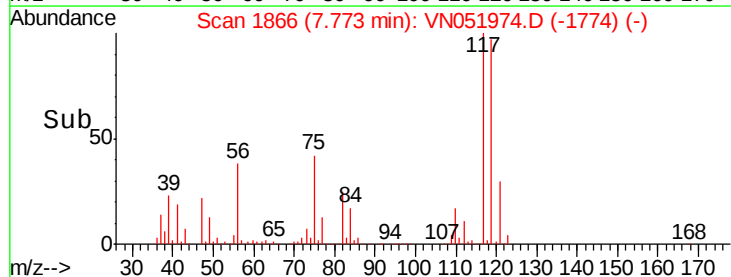
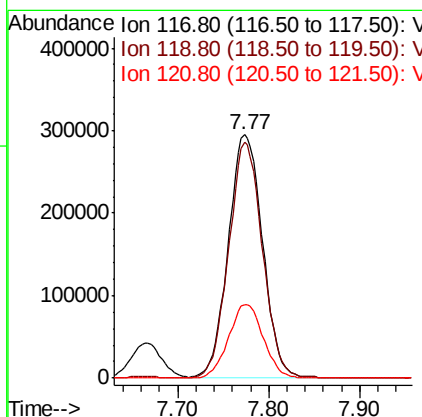
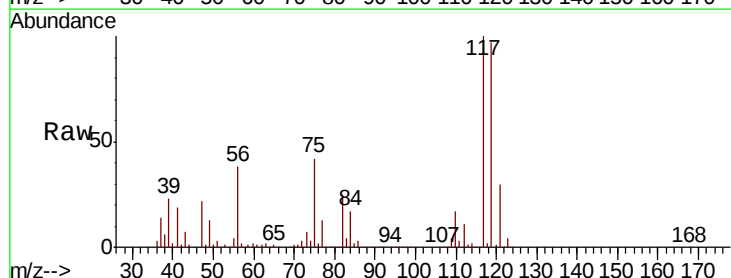
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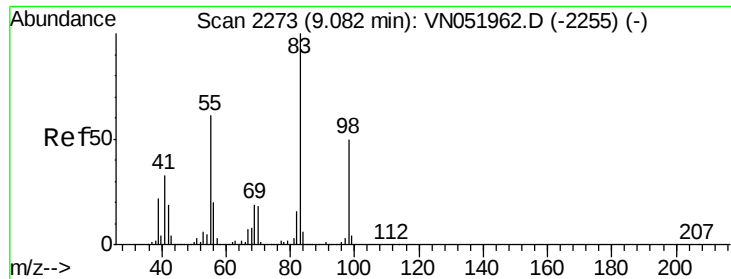
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#38
Carbon Tetrachloride
Concen: 52.229 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.0	77.4	116.0	
121	30.4	24.2	36.4	





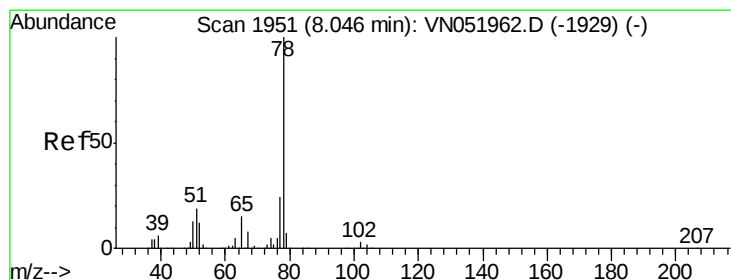
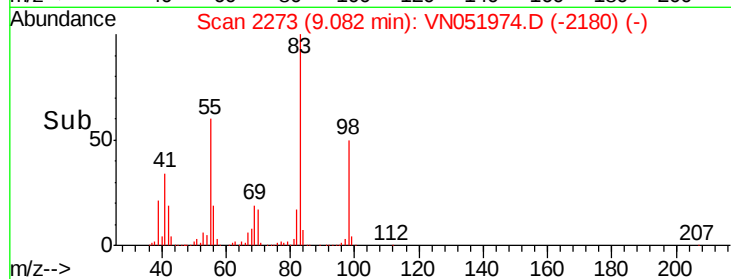
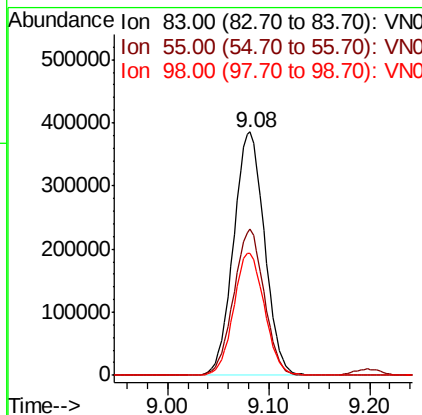
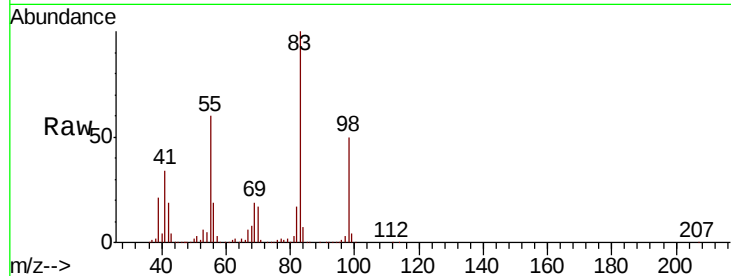
#39
Methvlcvclohexane
Concen: 52.188 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.9	48.9	73.3
98	50.1	40.2	60.2

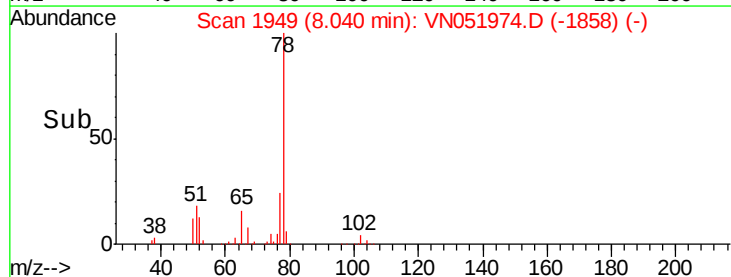
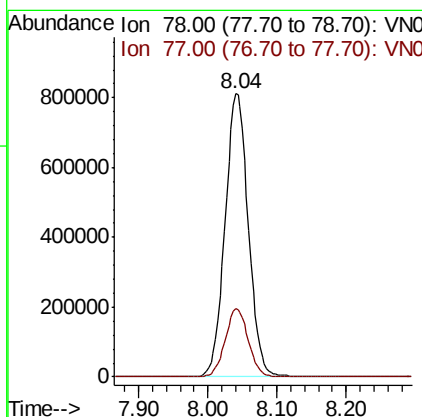
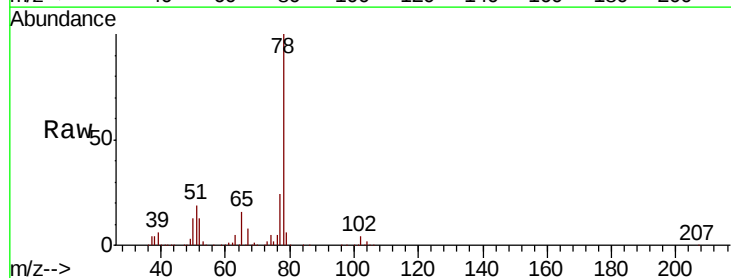
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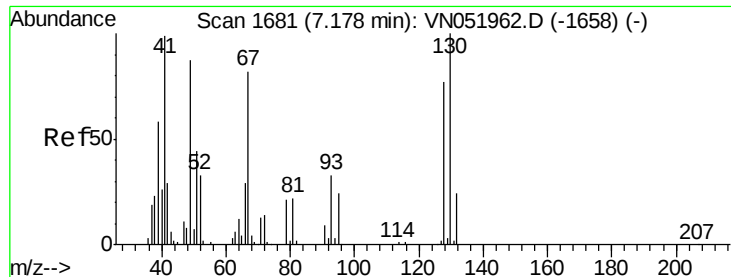
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#40
Benzene
Concen: 49.834 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.01 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





#41

Methacrylonitrile

Concen: 47.489 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 137371
Ion Ratio Lower Upper

41 100

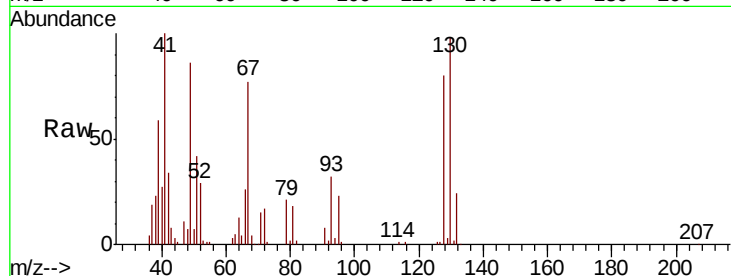
39 63.5 53.1 79.7

67 111.1 93.8 140.6

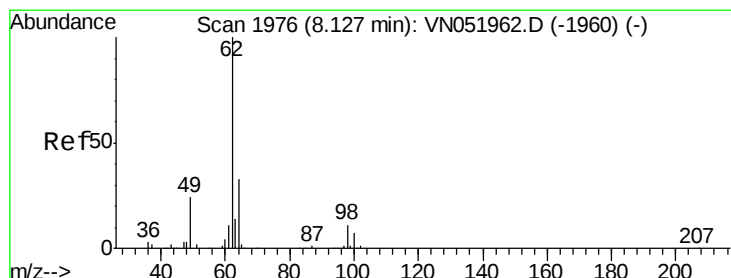
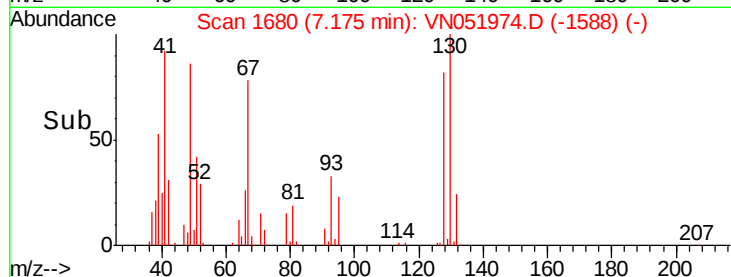
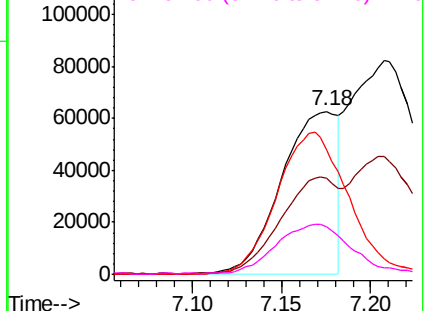
52 40.6 35.2 52.8

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Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 47.733 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

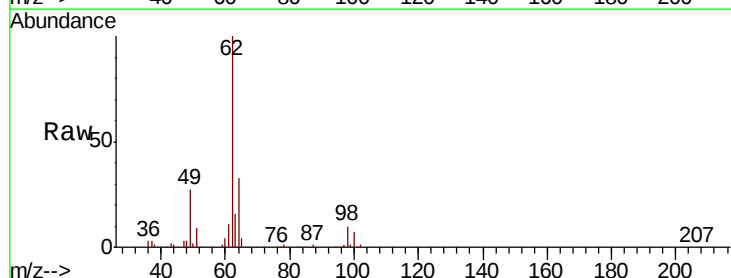
Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

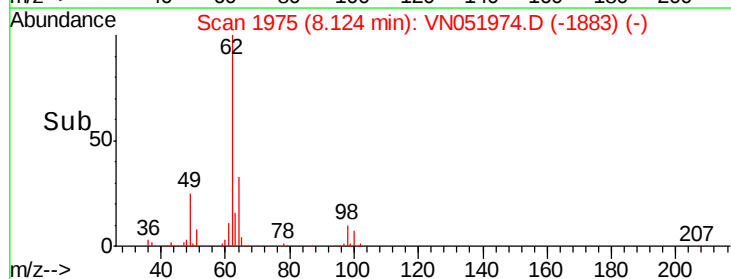
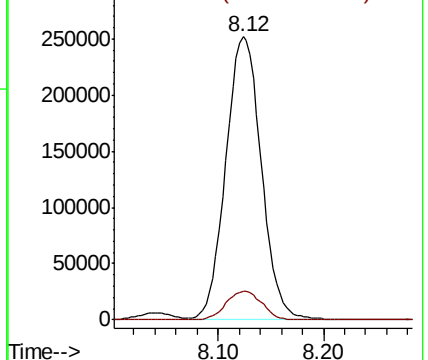
Tgt Ion: 62 Resp: 584958
Ion Ratio Lower Upper

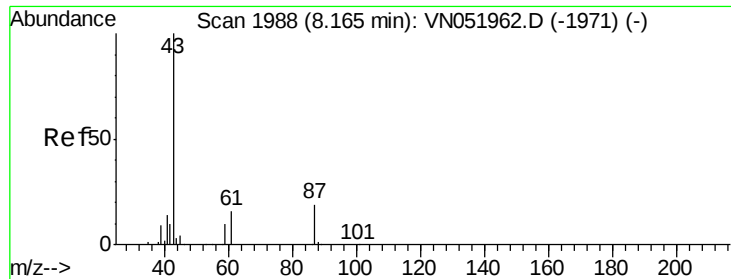
62 100

98 10.4 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





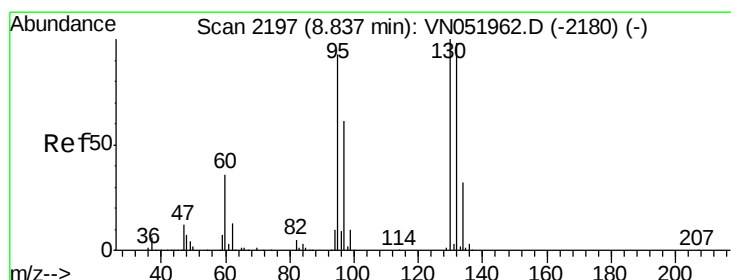
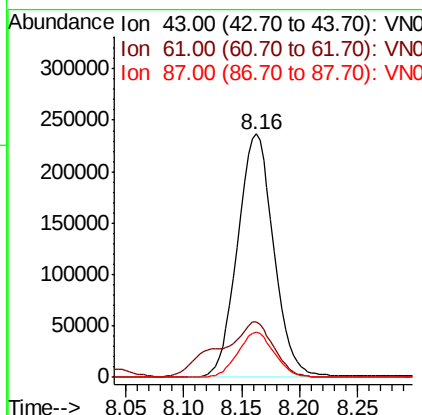
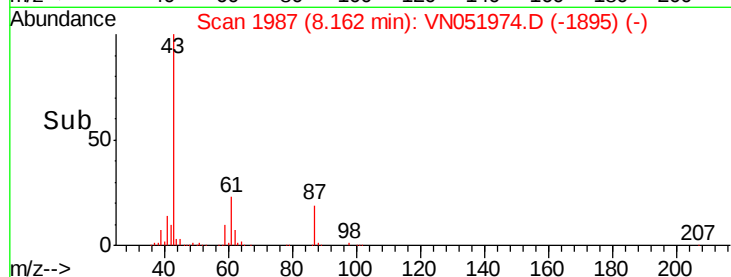
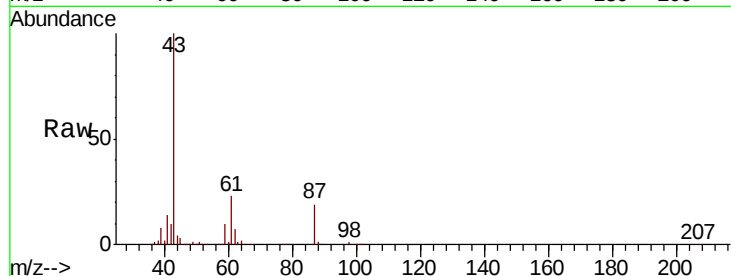
#43
Isopropyl Acetate
Concen: 47.649 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.1	17.2	25.8
87	18.8	15.2	22.8

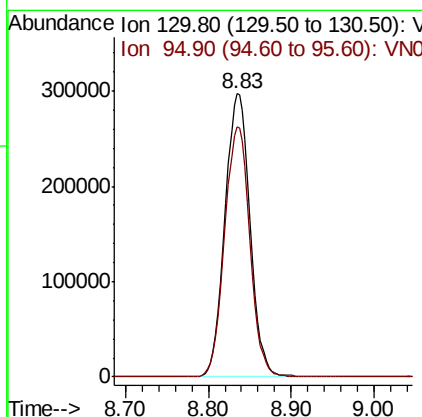
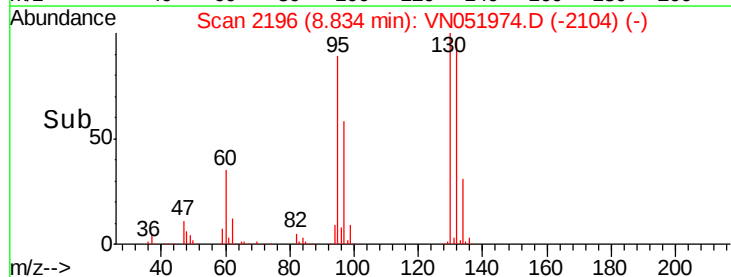
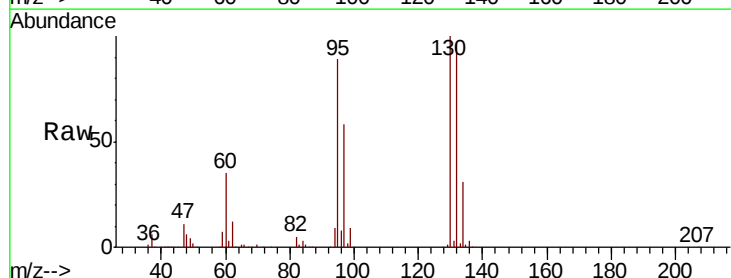
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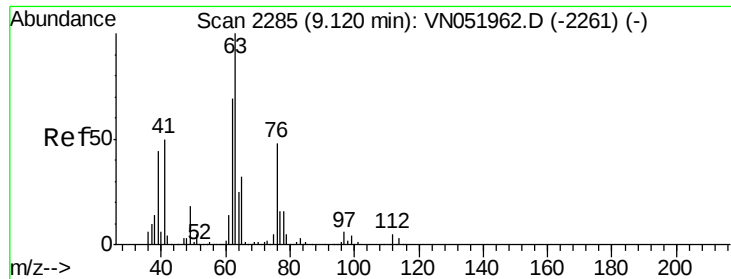
apatel
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#44
Trichloroethene
Concen: 50.921 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 50.503 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 436661

Ion Ratio Lower Upper

63 100

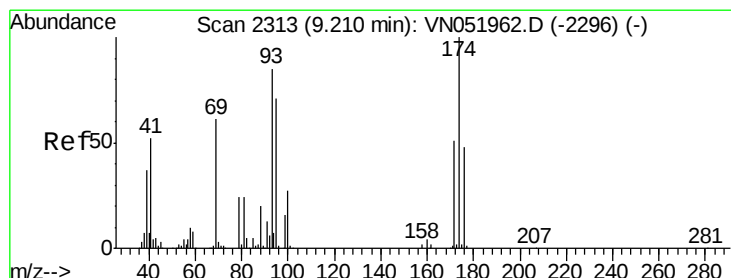
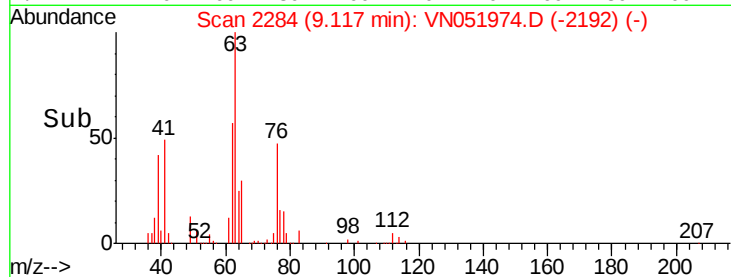
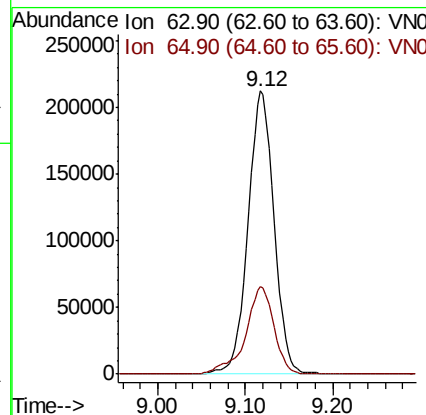
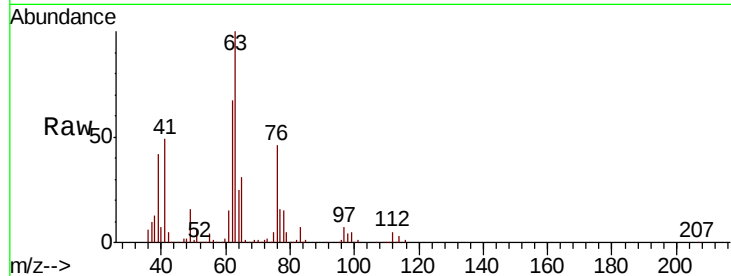
65 30.8 25.8 38.6

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#46

Dibromomethane

Concen: 48.224 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

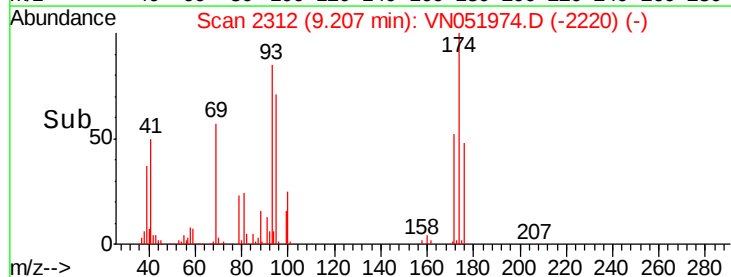
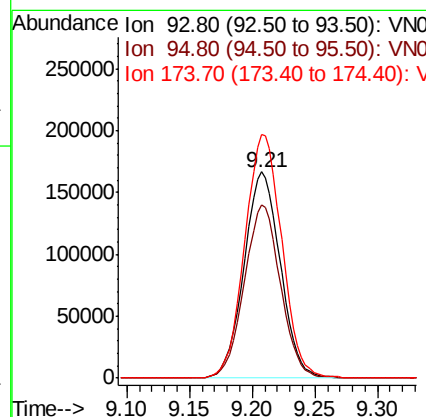
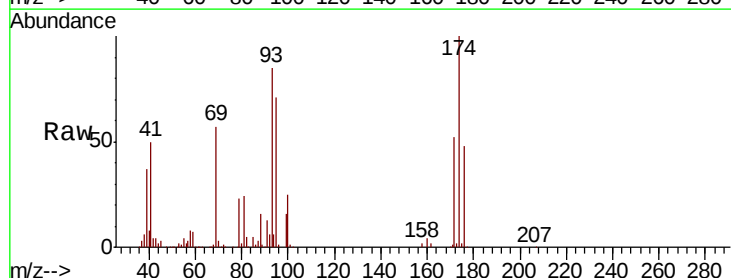
Tgt Ion: 93 Resp: 336109

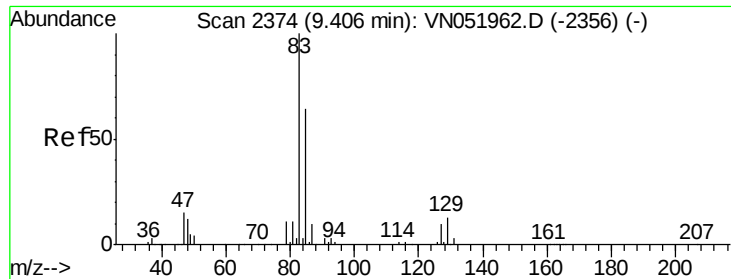
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 120.8 93.8 140.6





#47

Bromodichloromethane

Concen: 51.381 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

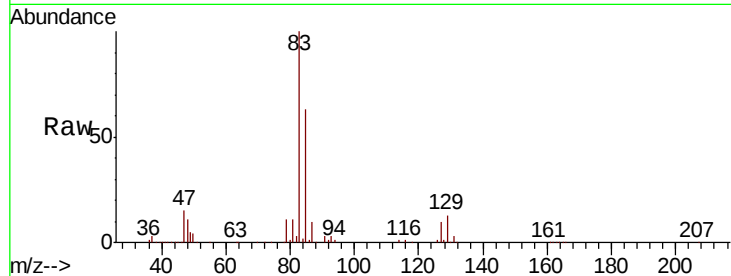
ClientSampleId :

VSTDCCC050

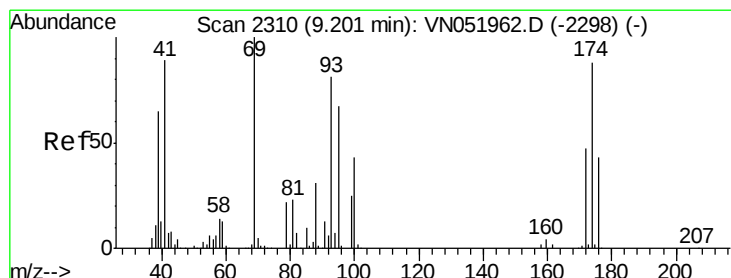
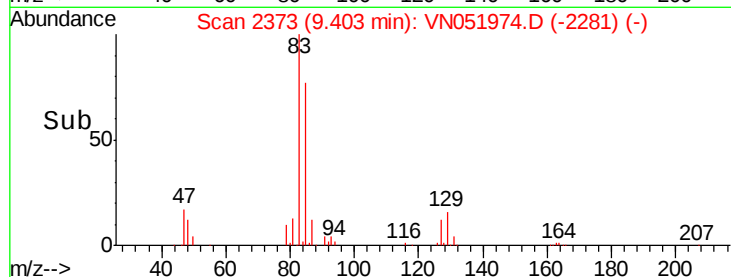
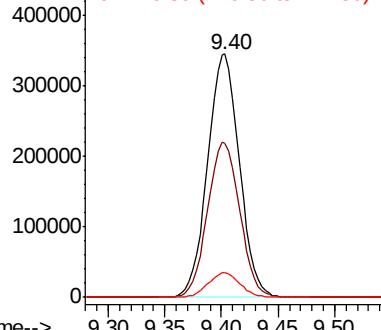
Tot Ion:	83	Resp:	676327
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.0	76.4
127	10.2	7.8	11.8

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Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-2356) (-)



#48

Methyl methacrylate

Concen: 47.245 ug/l

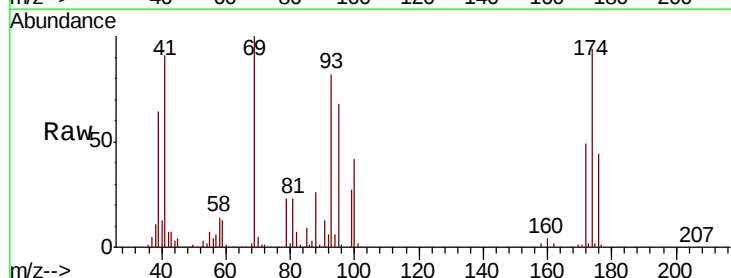
RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

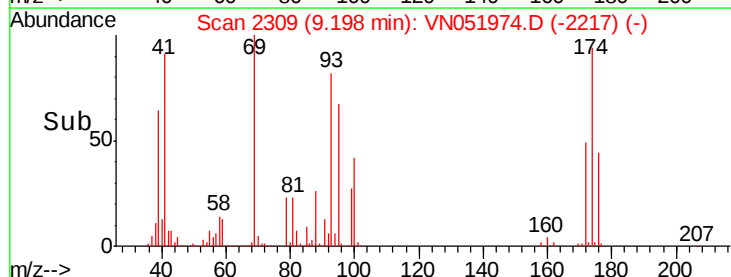
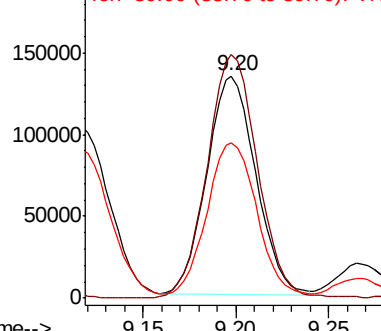
Lab File: VN051974.D

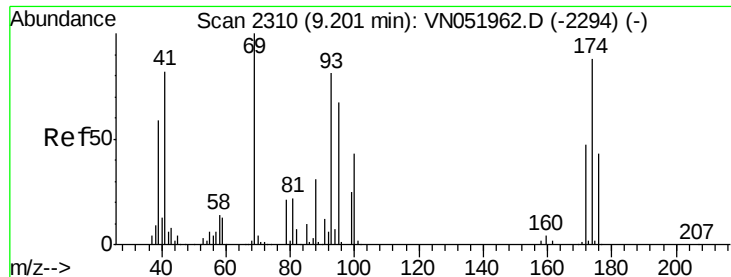
Acq: 24 Oct 2018 8:39

Tgt Ion:	41	Resp:	246186
Ion Ratio	Lower	Upper	
41	100		
69	114.7	92.2	138.4
39	70.1	60.2	90.4



Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-2298) (-)





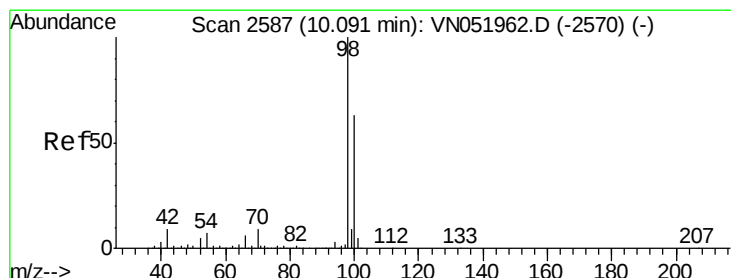
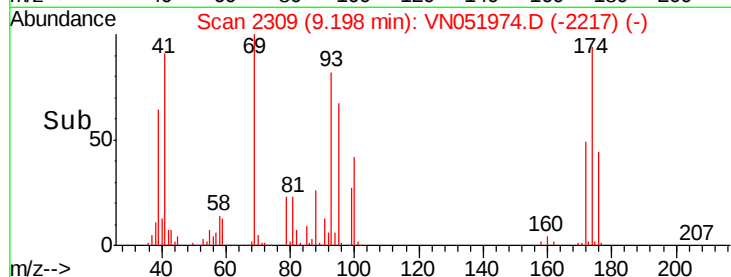
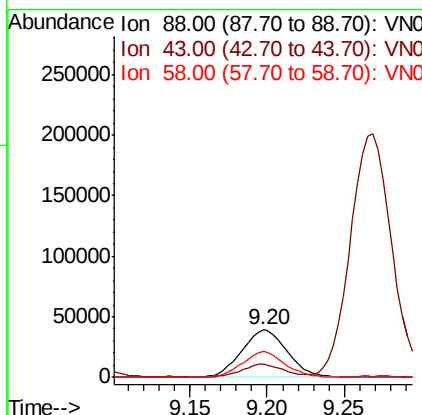
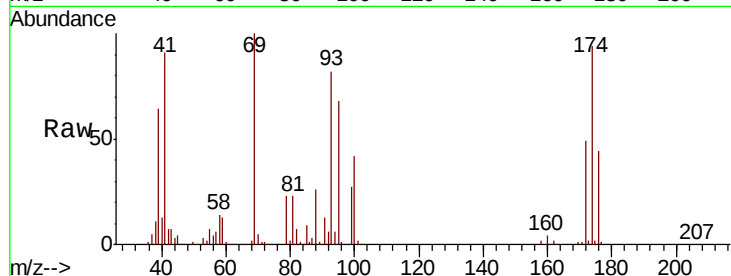
#49
1,4-Dioxane
Concen: 838.594 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	80127
Ion	Ratio	Lower	Upper
88	100		
43	25.0	18.8	28.2
58	51.4	39.8	59.6

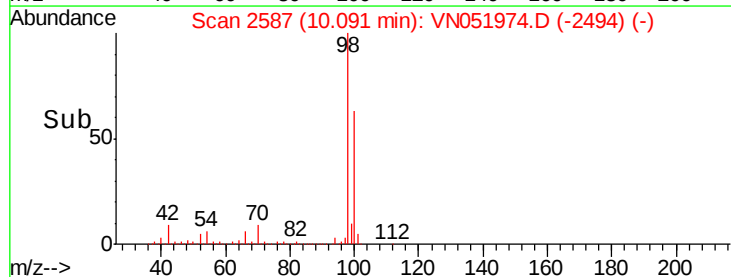
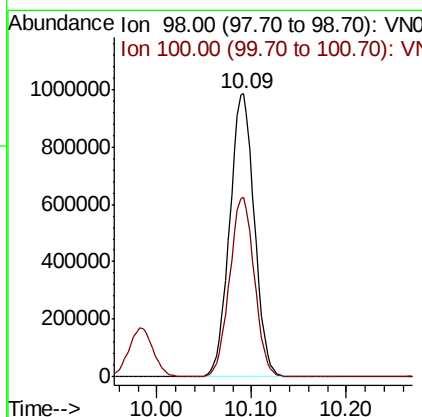
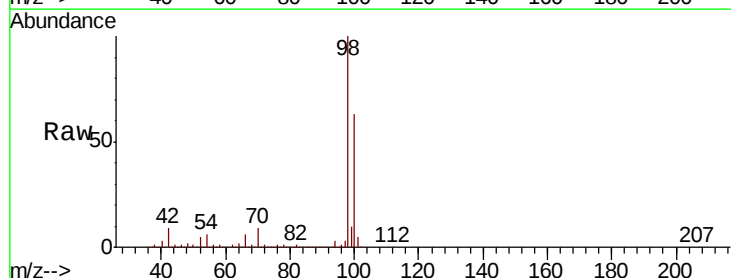
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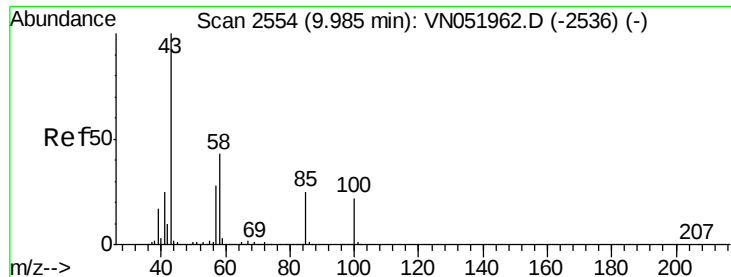
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#50
Toluene-d8
Concen: 838.594 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	98	Resp	1783176
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 229.948 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1363615

Ion Ratio Lower Upper

43 100

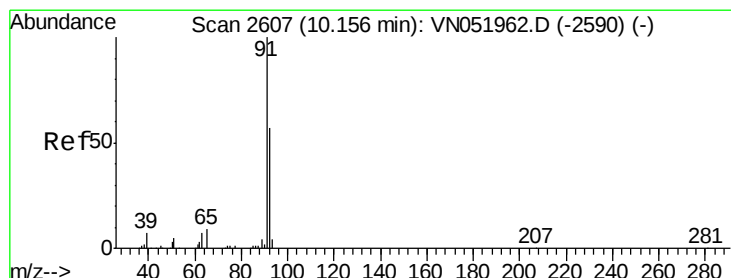
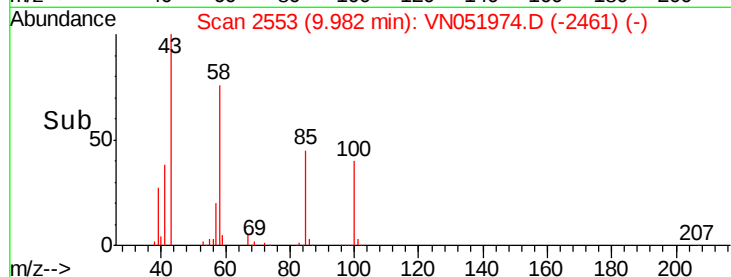
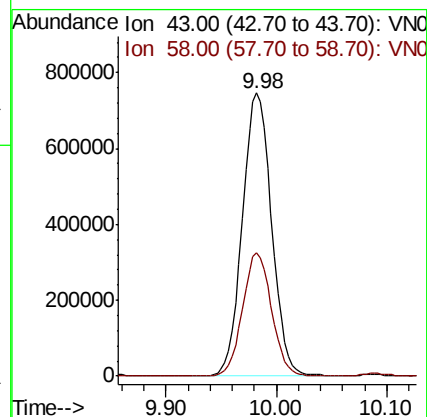
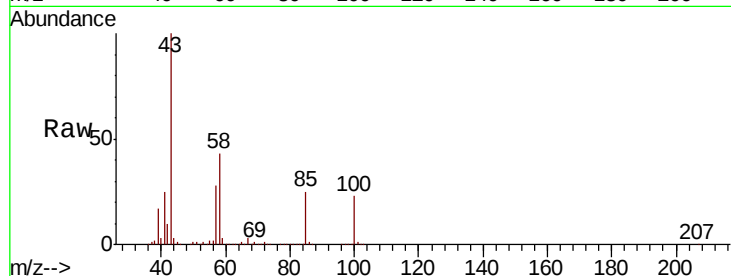
58 43.2 34.8 52.2

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#52

Toluene

Concen: 51.407 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN051974.D

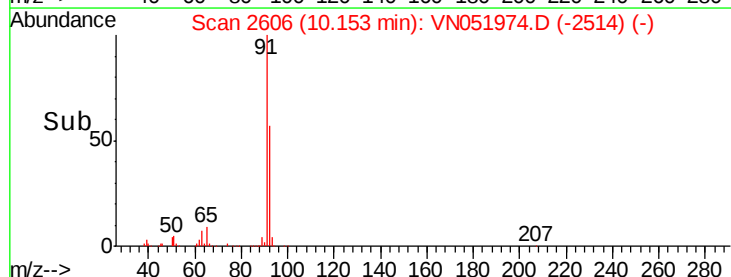
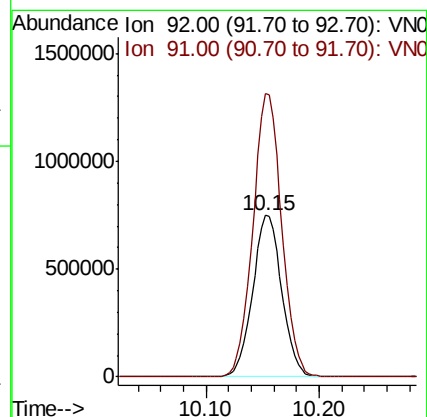
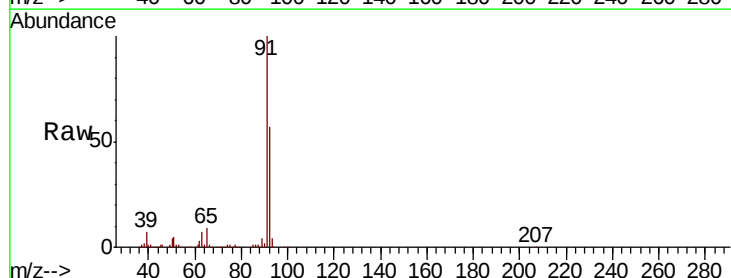
Acq: 24 Oct 2018 8:39

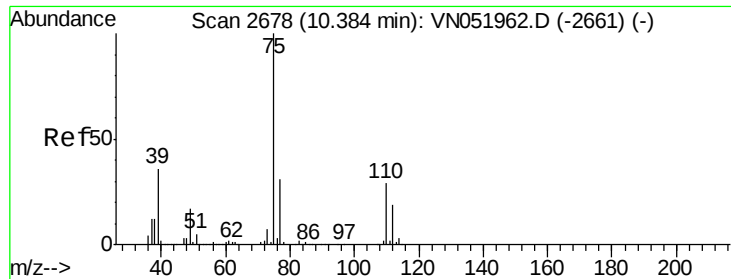
Tgt Ion: 92 Resp: 1332389

Ion Ratio Lower Upper

92 100

91 174.5 139.8 209.6





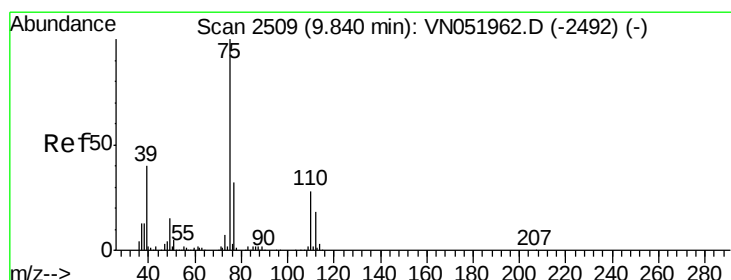
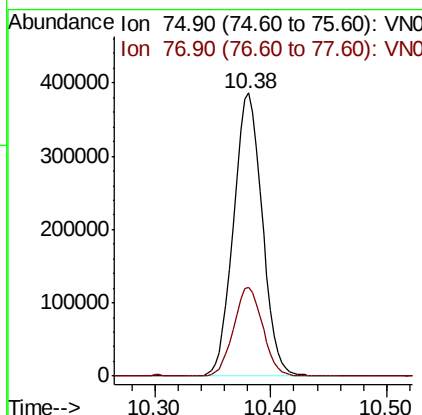
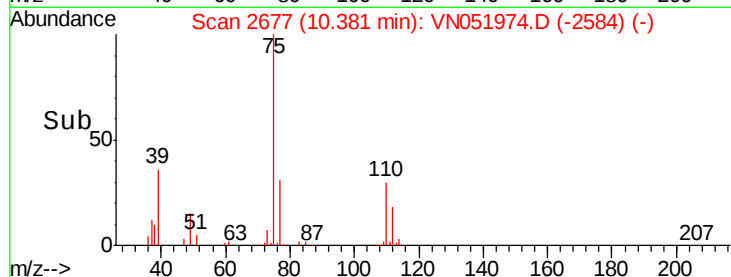
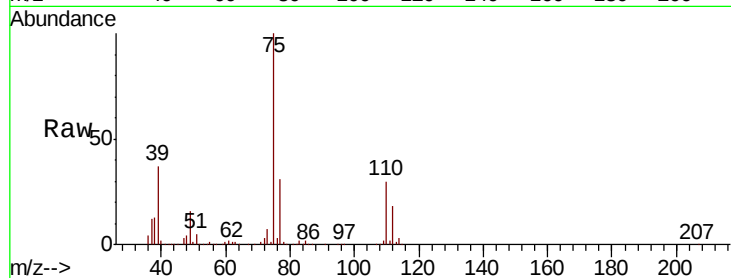
#53
t-1,3-Dichloropropene
Concen: 49.175 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 660765
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.4

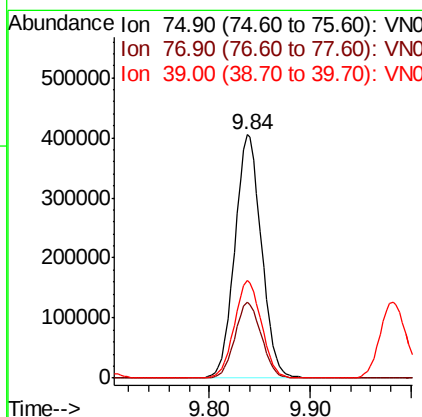
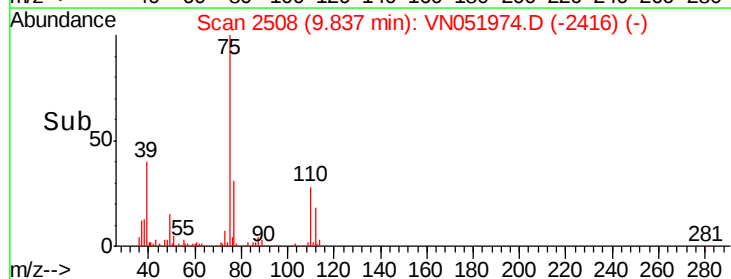
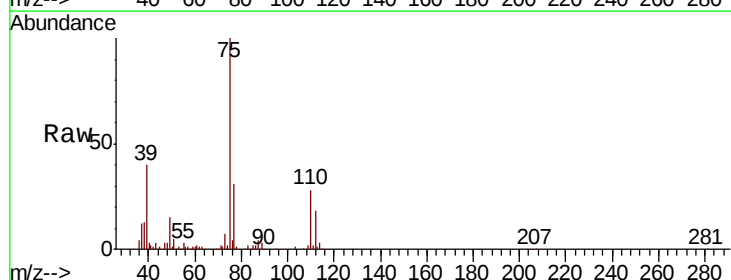
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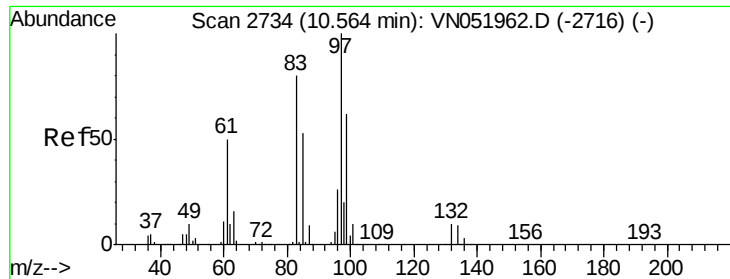
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#54
cis-1,3-Dichloropropene
Concen: 53.821 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 75 Resp: 740473
Ion Ratio Lower Upper
75 100
77 31.1 25.2 37.8
39 40.2 32.0 48.0





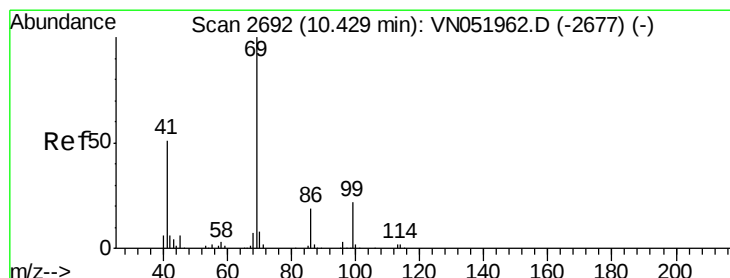
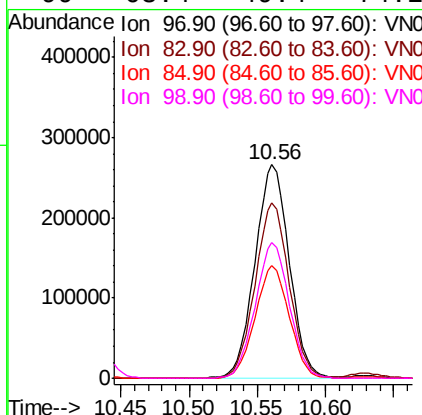
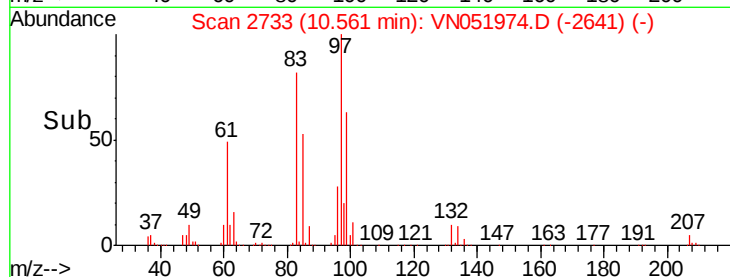
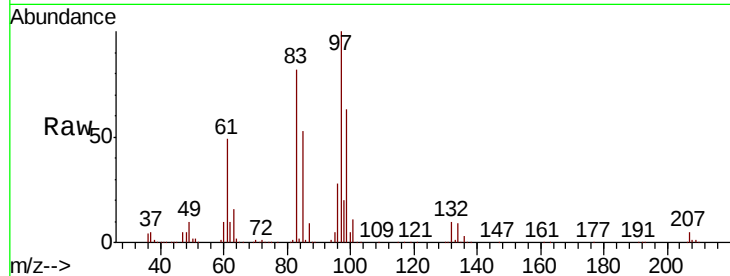
#55
 1,1,2-Trichloroethane
 Concen: 48.669 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	466067
Ion	Ratio	Lower	Upper
97	100		
83	82.0	64.0	96.0
85	52.8	42.4	63.6
99	63.4	49.4	74.2

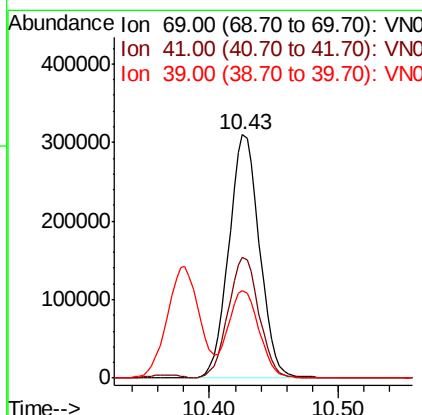
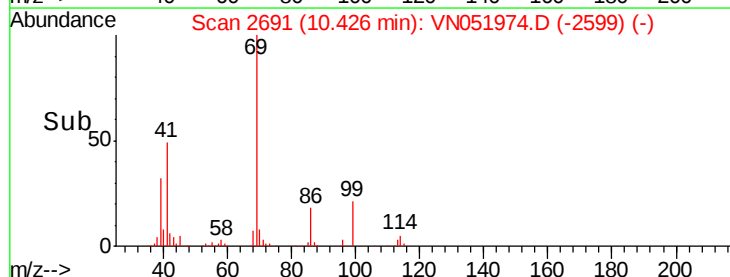
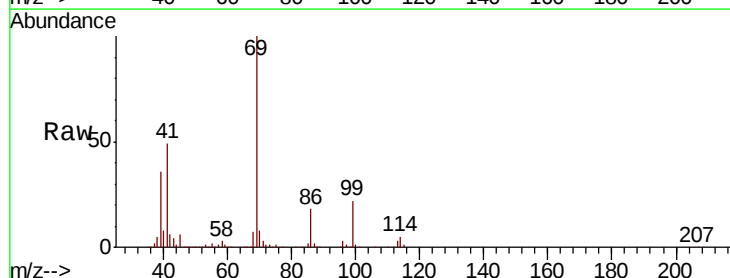
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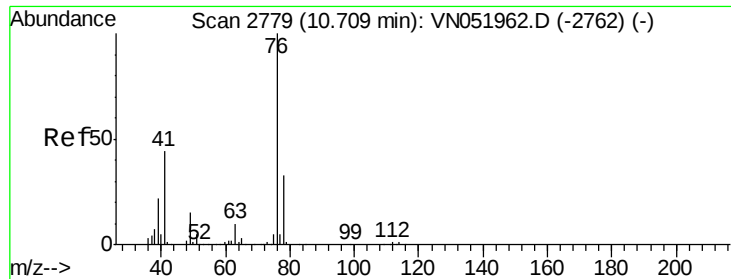
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#56
 Ethyl methacrylate
 Concen: 49.505 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:	69	Resp:	509597
Ion	Ratio	Lower	Upper
69	100		
41	50.0	40.7	61.1
39	36.4	29.3	43.9





#57

1,3-Dichloropropane

Concen: 49.003 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 712397

Ion Ratio Lower Upper

76 100

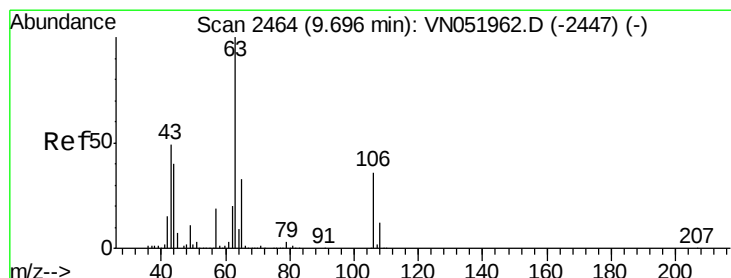
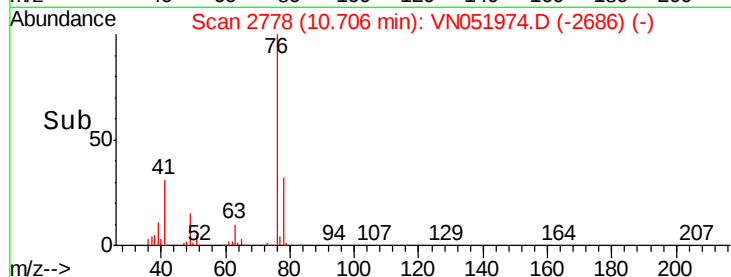
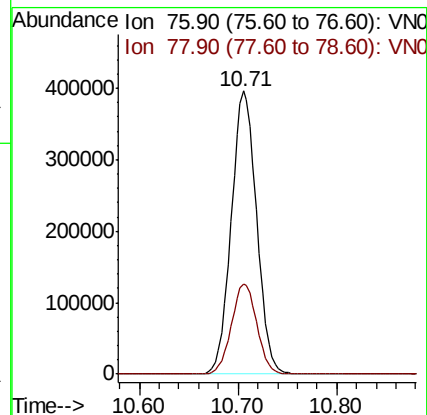
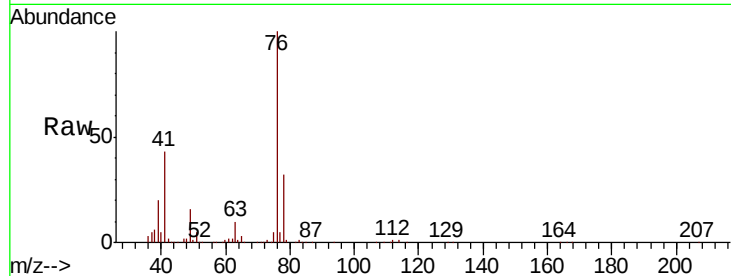
78 31.9 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 247.032 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN051974.D

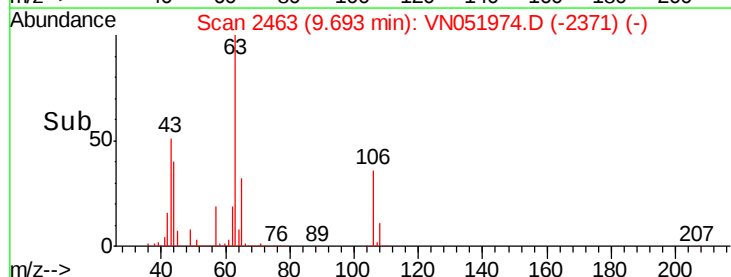
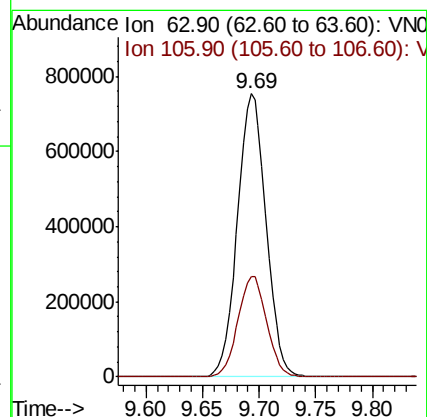
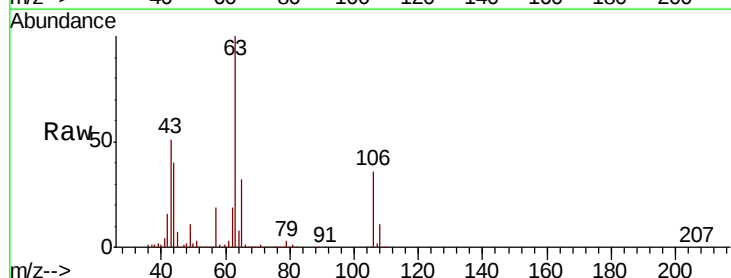
Acq: 24 Oct 2018 8:39

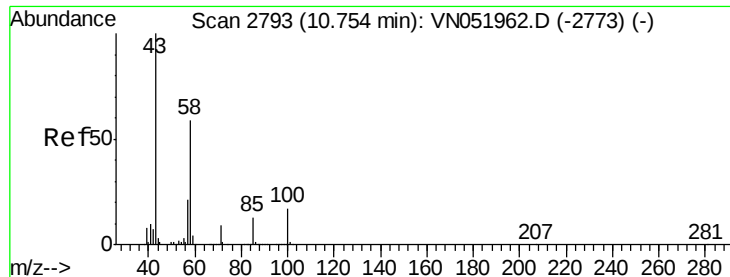
Tgt Ion: 63 Resp: 1330554

Ion Ratio Lower Upper

63 100

106 35.6 28.3 42.5





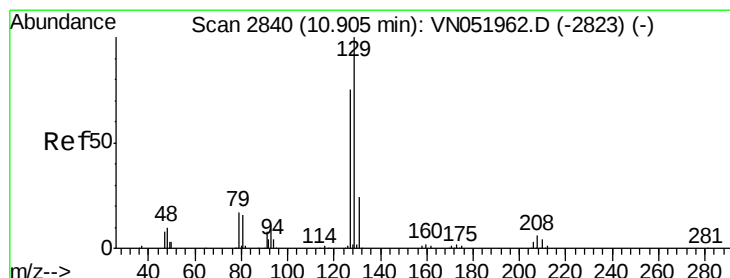
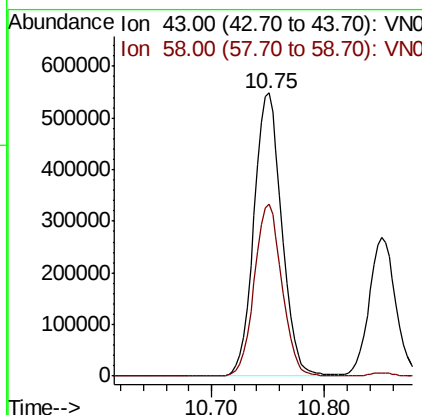
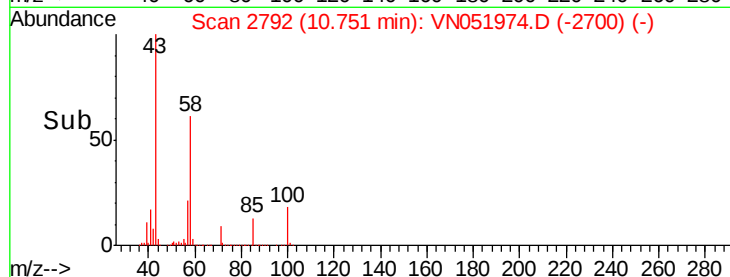
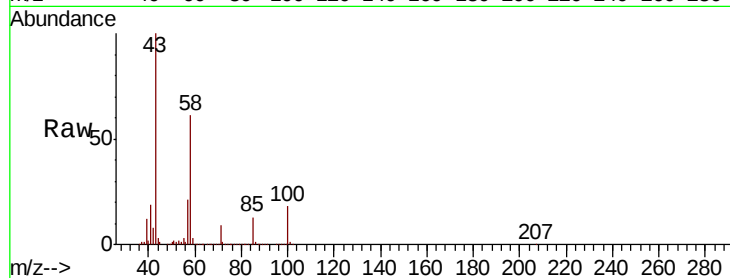
#59
2-Hexanone
Concen: 234.989 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 936292
Ion Ratio Lower Upper
43 100
58 60.4 29.9 89.8

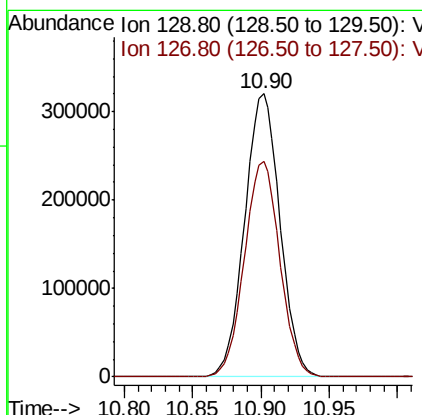
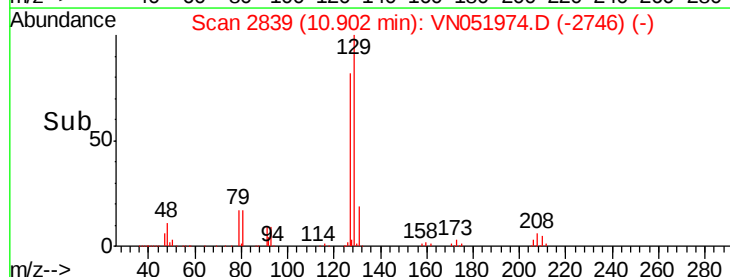
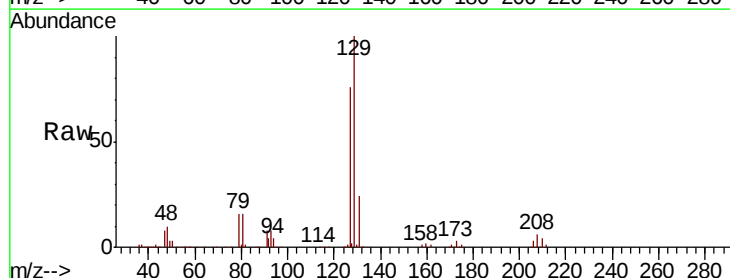
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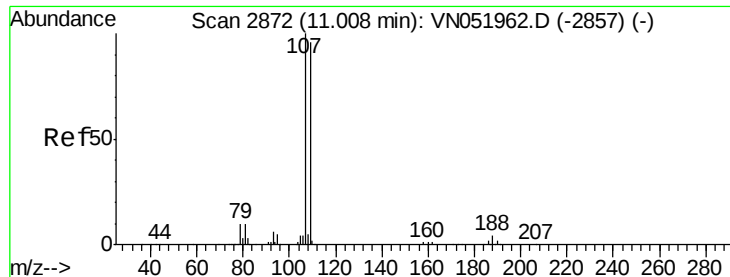
apatel
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#60
Dibromochloromethane
Concen: 47.333 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion: 129 Resp: 576891
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.0





#61

1,2-Dibromoethane

Concen: 49.830 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 503138

Ion Ratio Lower Upper

107 100

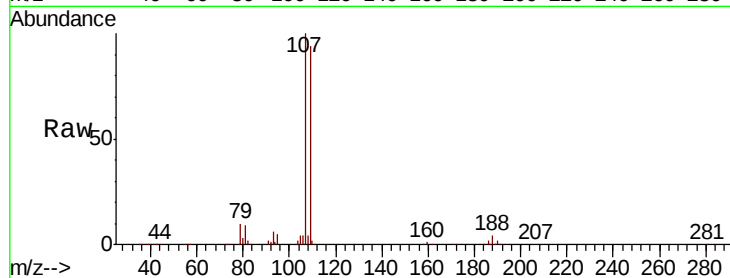
109 94.2 75.9 113.9

Manual Integrations

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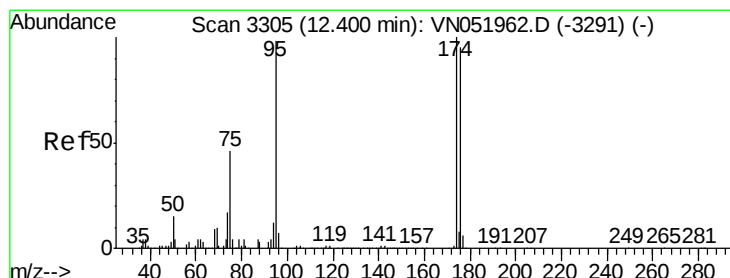
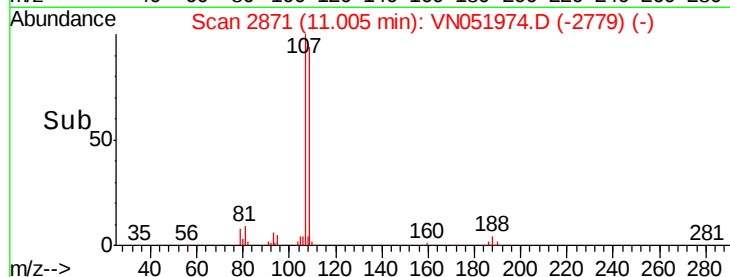
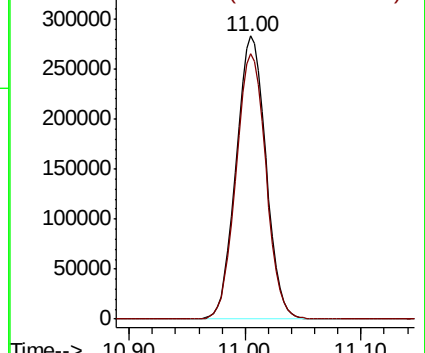
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

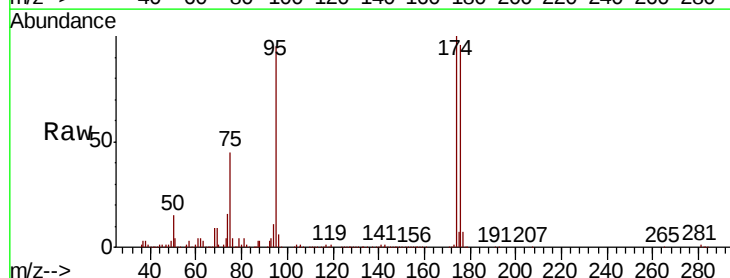
Tgt Ion: 95 Resp: 627404

Ion Ratio Lower Upper

95 100

174 105.2 0.0 206.0

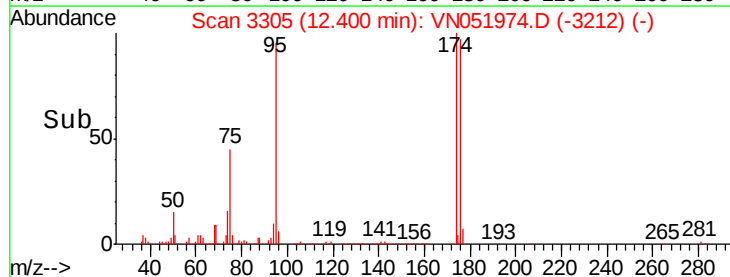
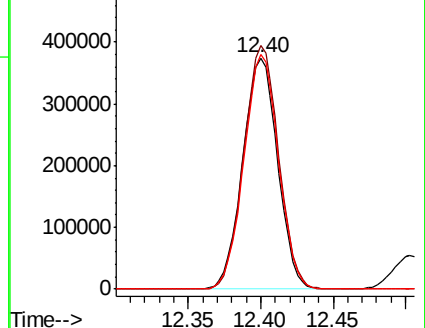
176 100.7 0.0 198.0

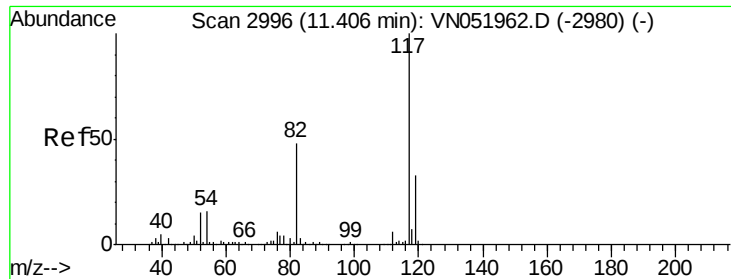


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





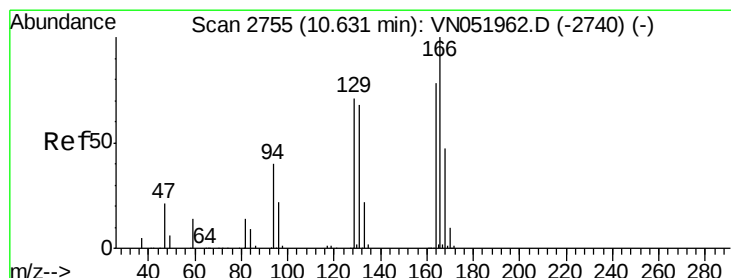
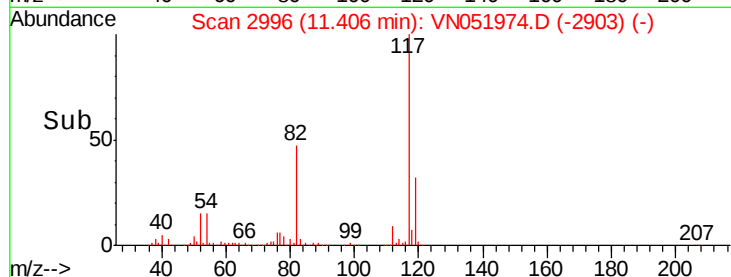
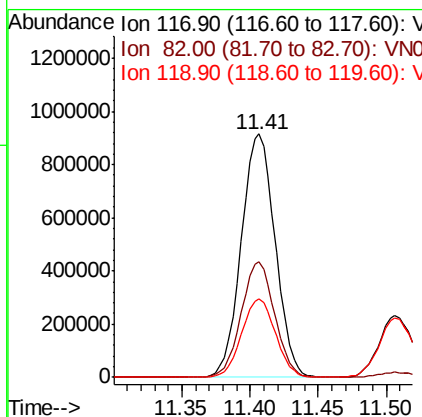
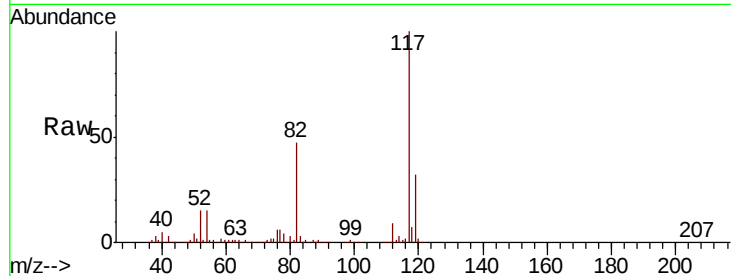
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.3	38.1	57.1
119	32.1	26.4	39.6

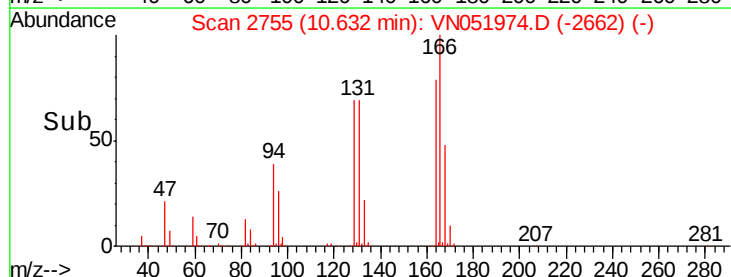
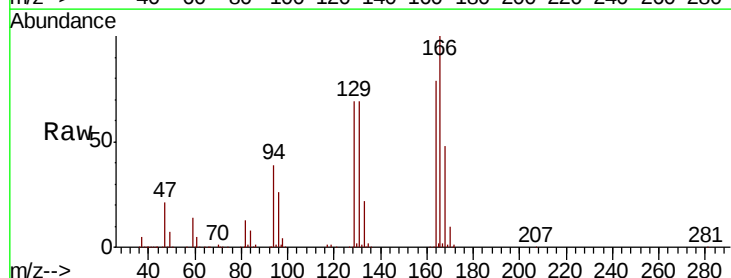
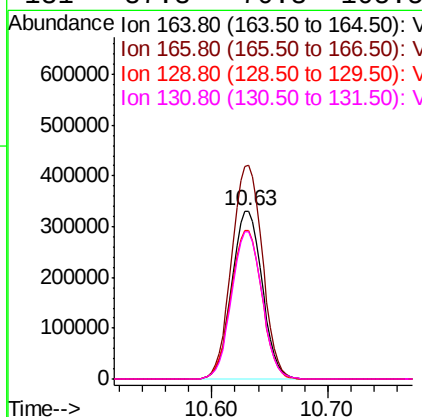
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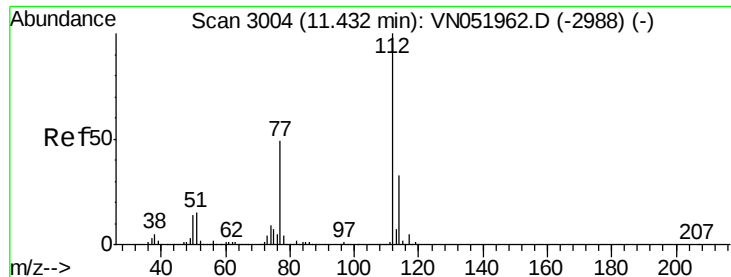
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#64
Tetrachloroethene
Concen: 49.720 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.1	154.7
129	88.0	73.6	110.4
131	87.3	70.3	105.5





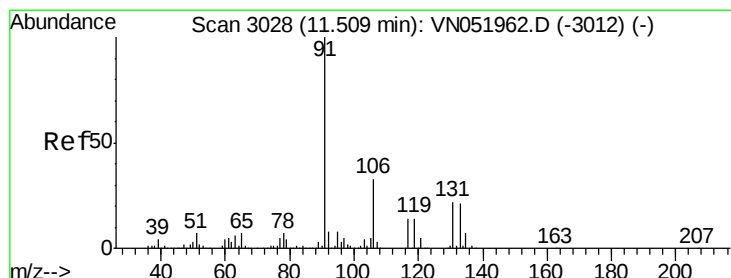
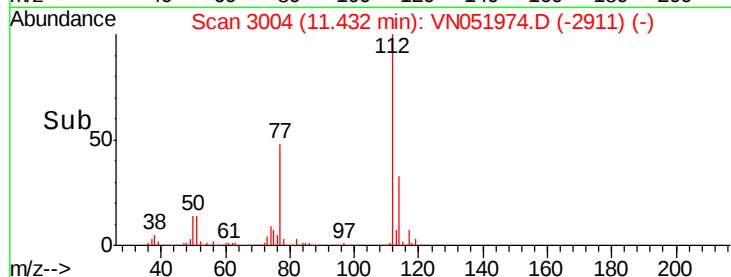
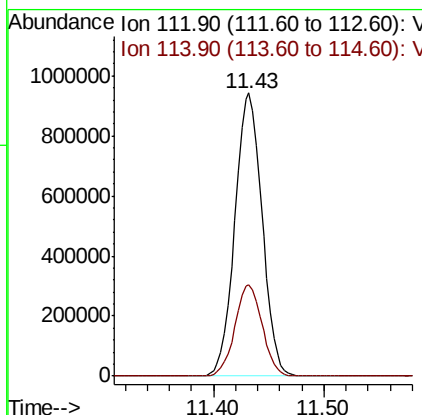
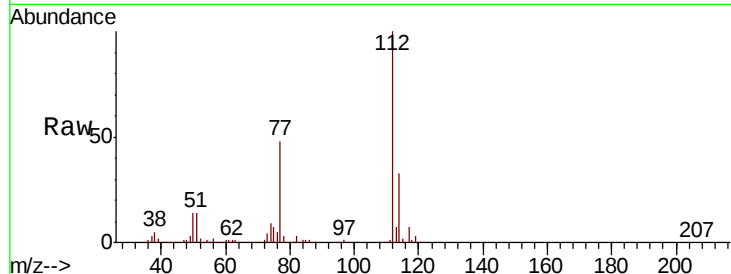
#65
Chlorobenzene
Concen: 50.605 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1610537
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1

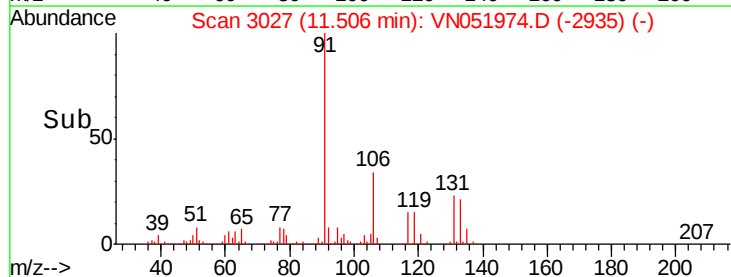
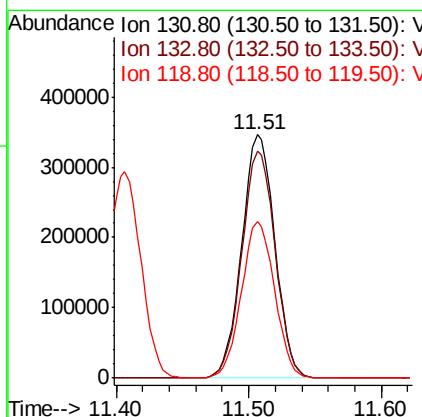
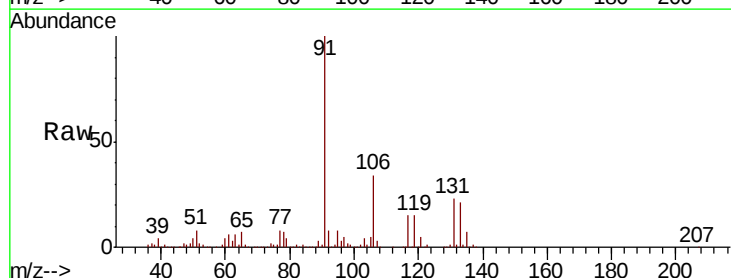
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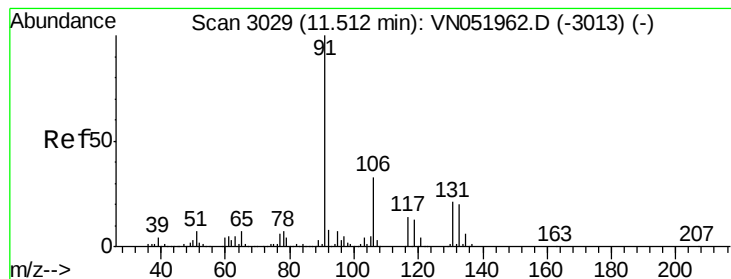
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.484 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:131 Resp: 600372
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.3
119 64.6 32.0 96.2





#67

Ethyl Benzene

Concen: 51.103 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 2614294

Ion Ratio Lower Upper

91 100

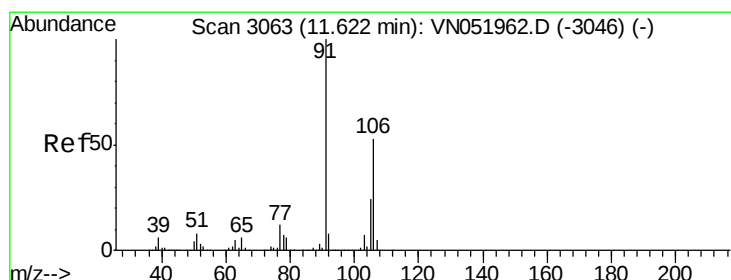
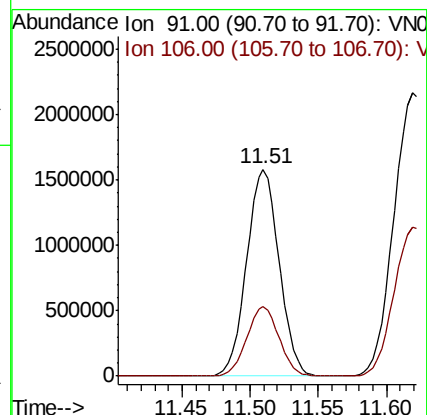
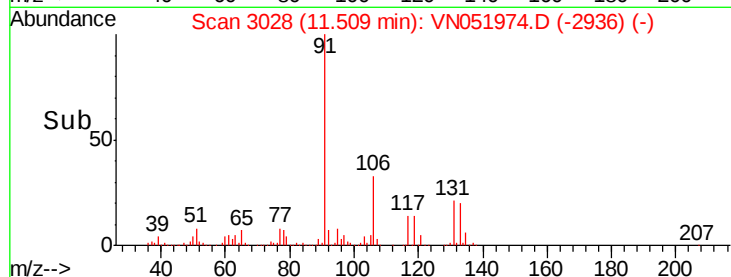
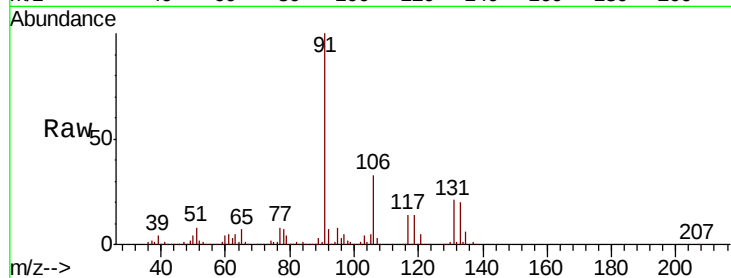
106 33.5 26.4 39.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.892 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051974.D

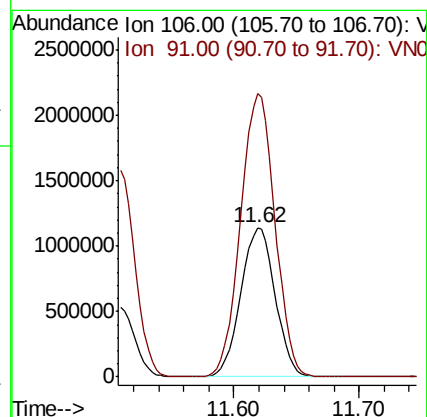
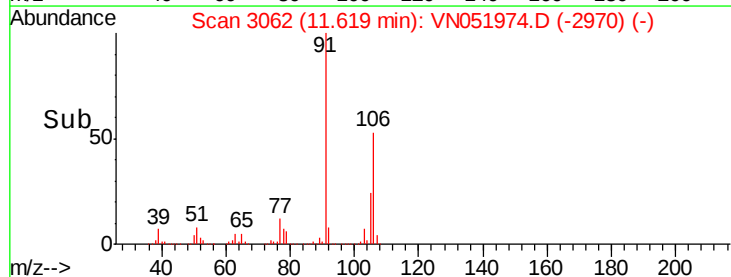
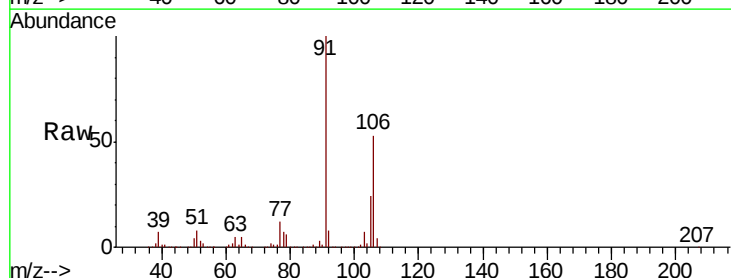
Acq: 24 Oct 2018 8:39

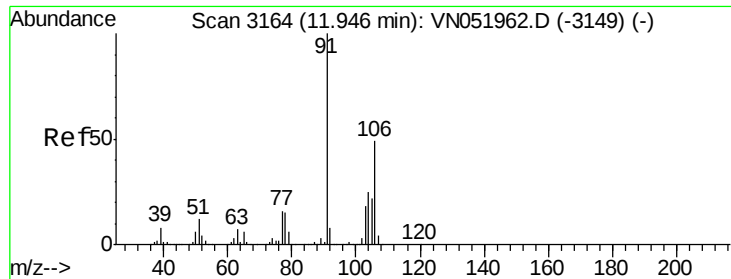
Tgt Ion: 106 Resp: 2164359

Ion Ratio Lower Upper

106 100

91 190.4 152.2 228.2





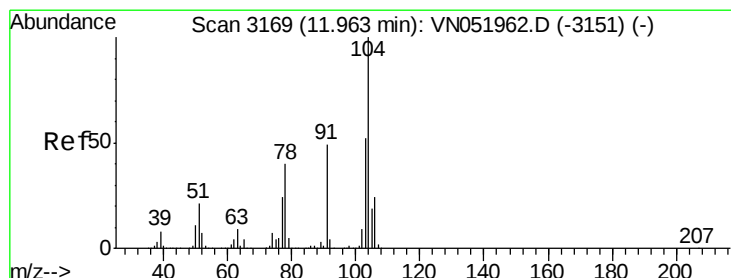
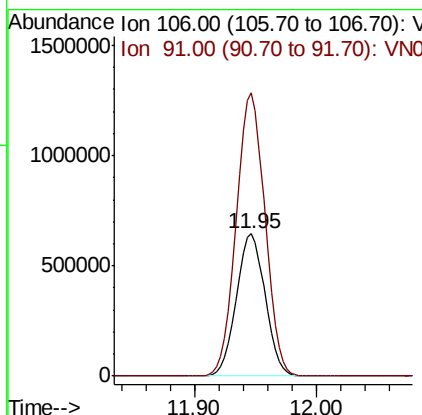
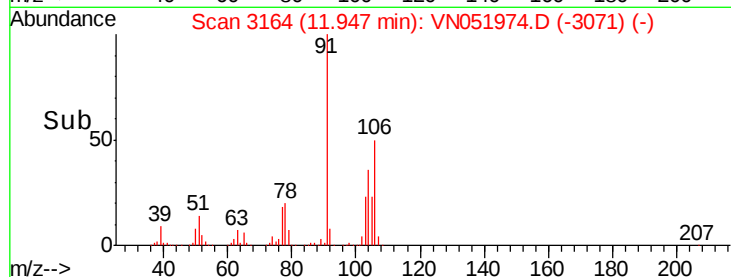
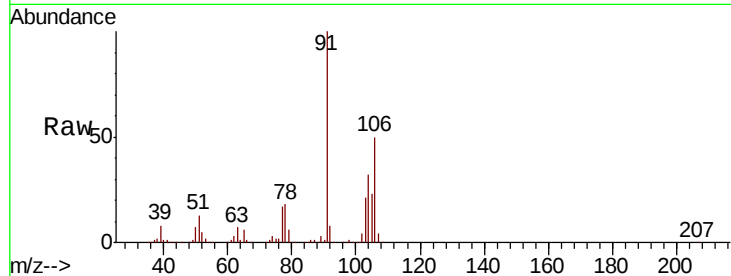
#69
o-Xylene
Concen: 52.927 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1052092
Ion Ratio Lower Upper
106 100
91 198.7 101.0 303.0

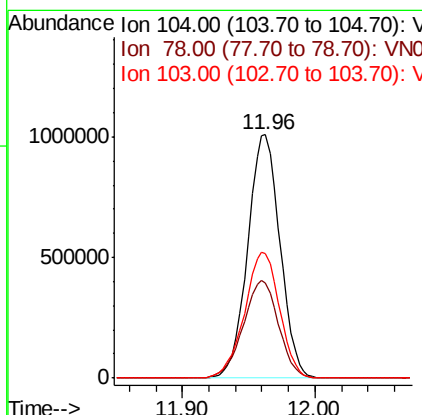
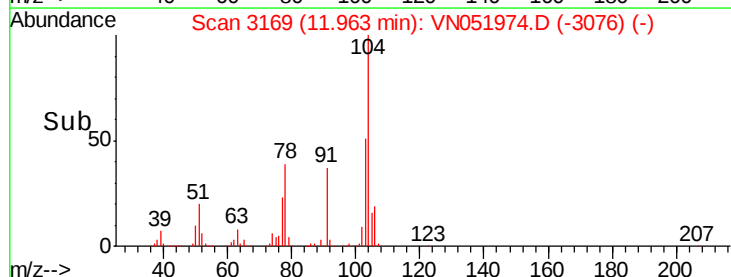
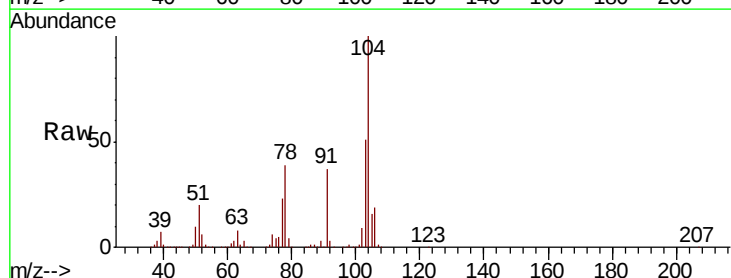
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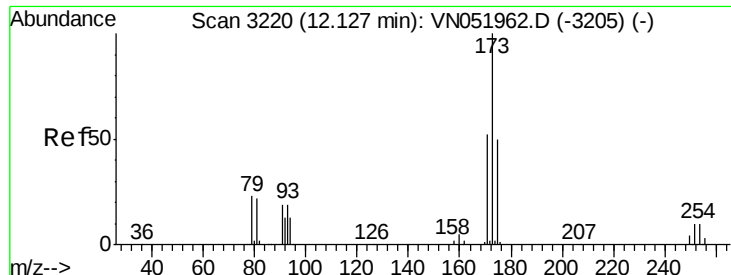
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#70
Styrene
Concen: 53.603 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion:104 Resp: 1703042
Ion Ratio Lower Upper
104 100
78 44.0 35.8 53.6
103 56.0 44.9 67.3





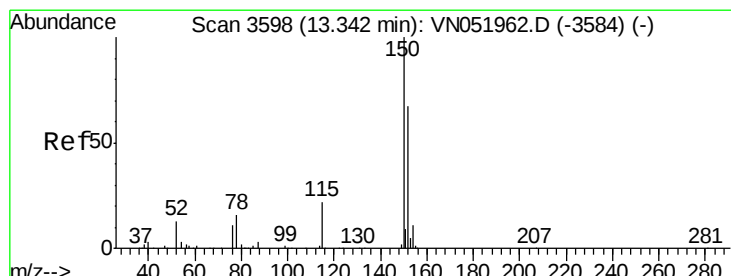
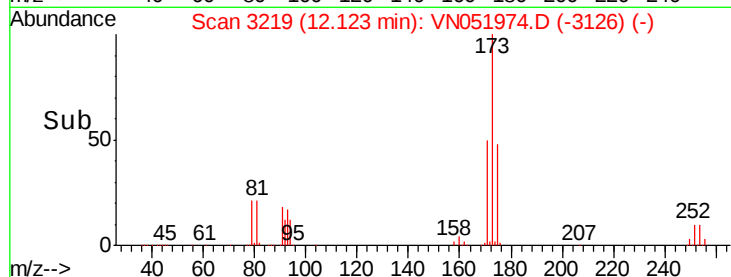
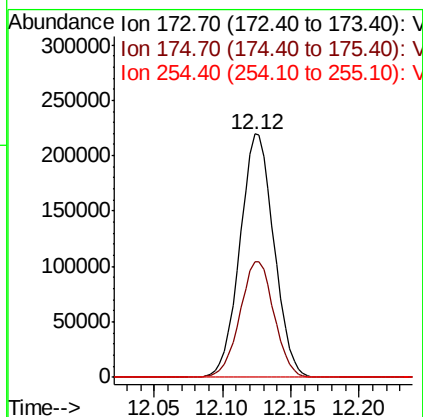
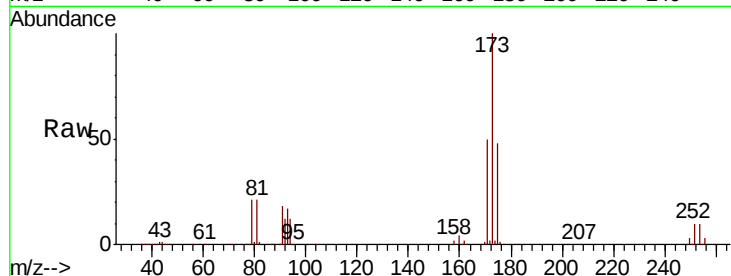
#71
Bromoform
Concen: 45.121 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	74.0
254	0.1	0.1	0.1

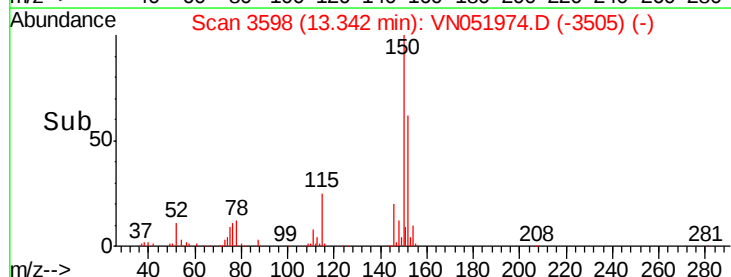
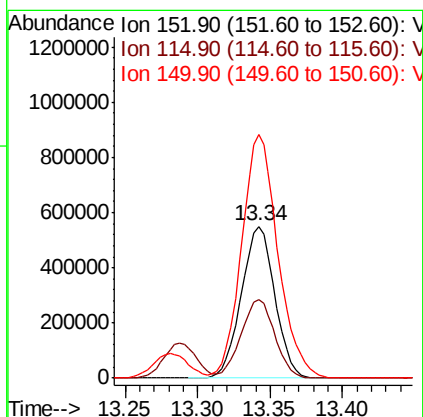
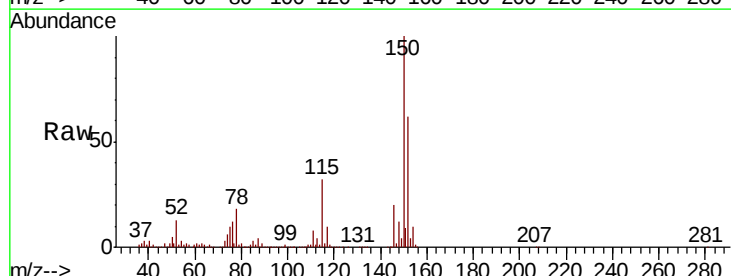
Manual Integrations
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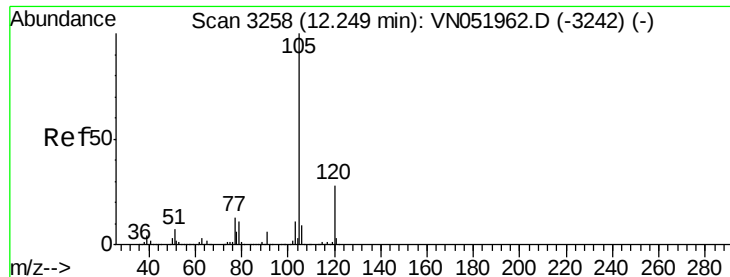
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.8	25.8	77.3
150	174.0	0.0	344.4





#73

Isopropylbenzene

Concen: 50.566 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2827647

Ion Ratio Lower Upper

105 100

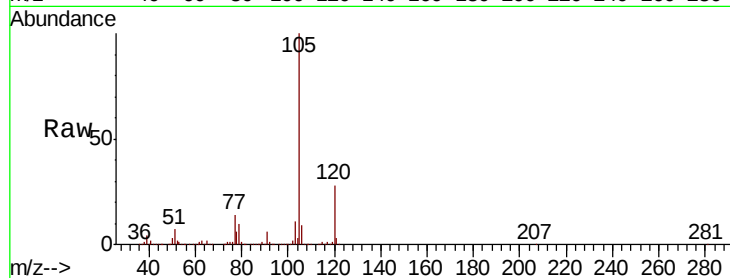
120 28.3 14.0 41.9

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Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

1500000

1000000

500000

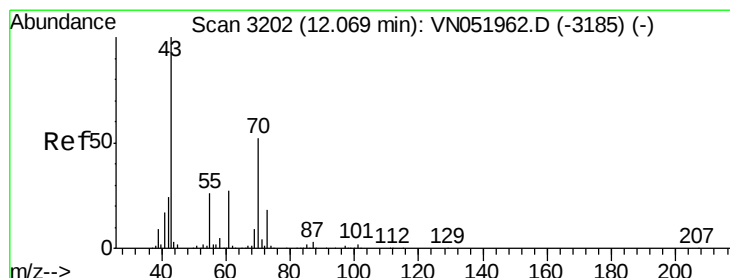
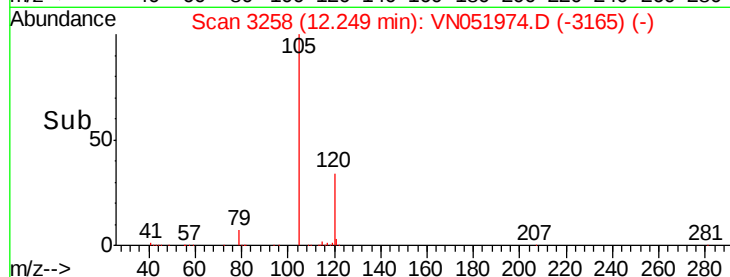
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 45.252 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion: 43 Resp: 498071

Ion Ratio Lower Upper

43 100

70 51.9 41.3 61.9

55 26.8 21.2 31.8

61 27.5 21.8 32.8

Abundance Ion 43.00 (42.70 to 43.70): V

500000 Ion 70.00 (69.70 to 70.70): V

400000 Ion 55.00 (54.70 to 55.70): V

300000 Ion 61.00 (60.70 to 61.70): V

200000

100000

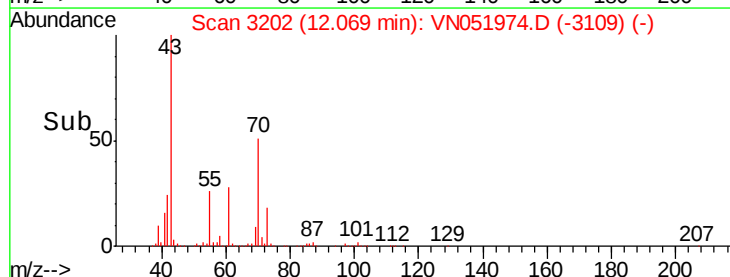
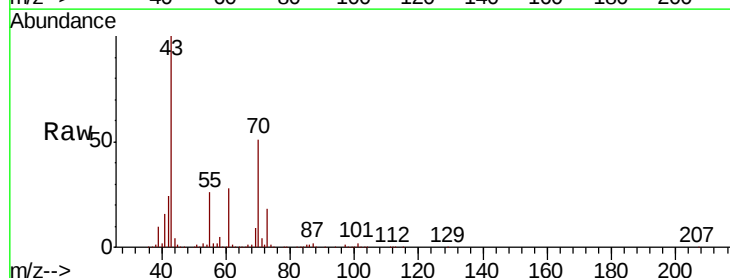
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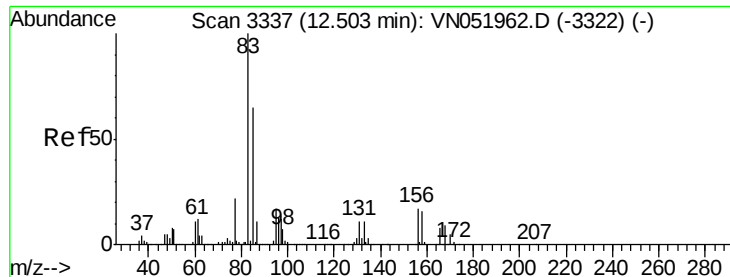
12.00

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 44.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

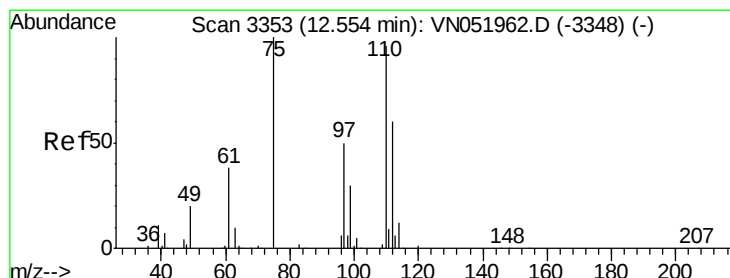
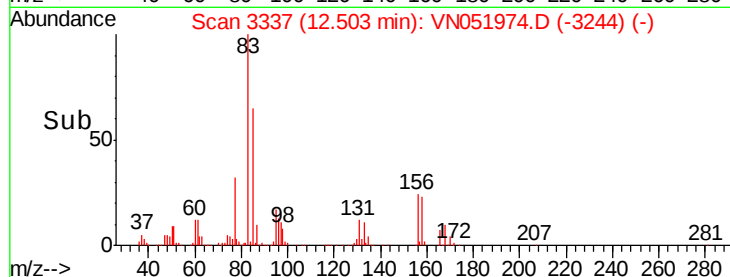
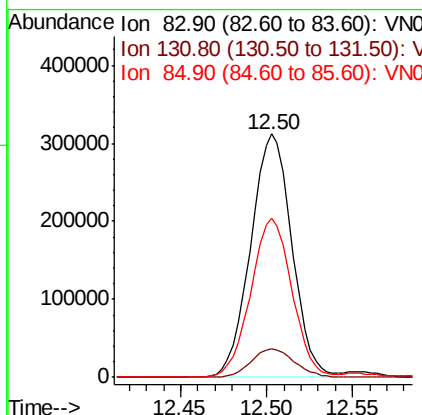
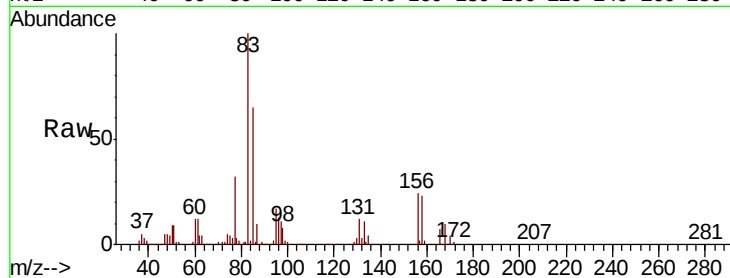
ClientSampleId :

VSTDCCC050

Tot Ion	83	Resp	517483
Ion Ratio	100	Lower	Upper
83	100		
131	12.4	6.2	18.6
85	65.5	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 40.896 ug/l m

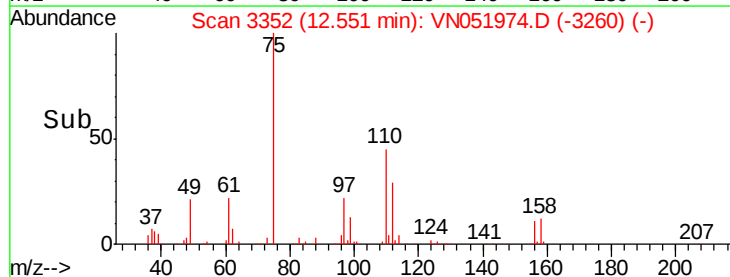
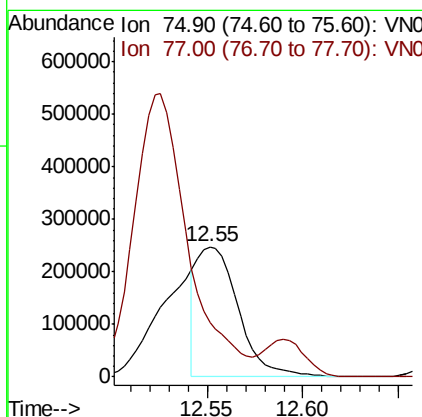
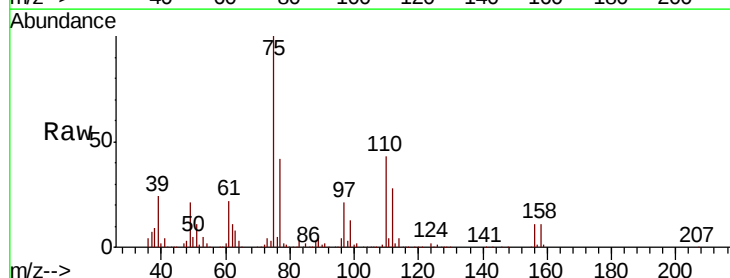
RT: 12.55 min Scan# 3352

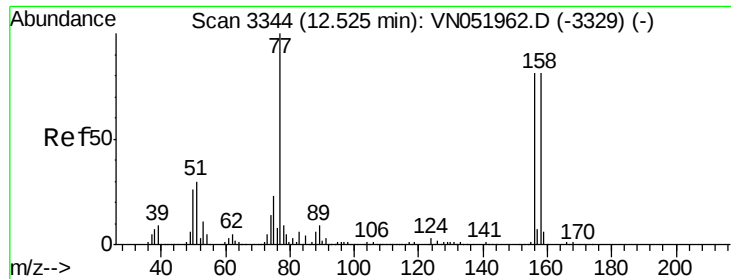
Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Tgt Ion	75	Resp	372472
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.317 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

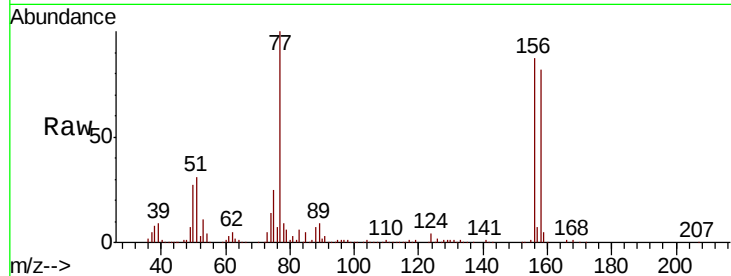
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	134.9	71.1	213.3
158	96.1	49.3	147.8

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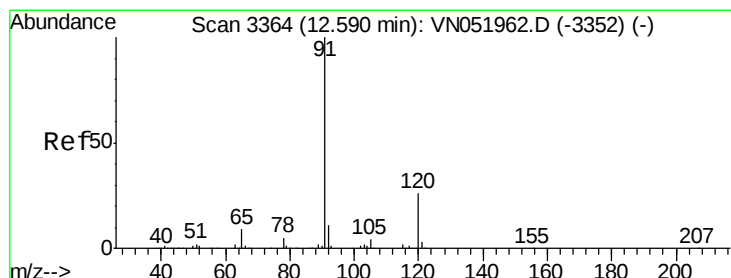
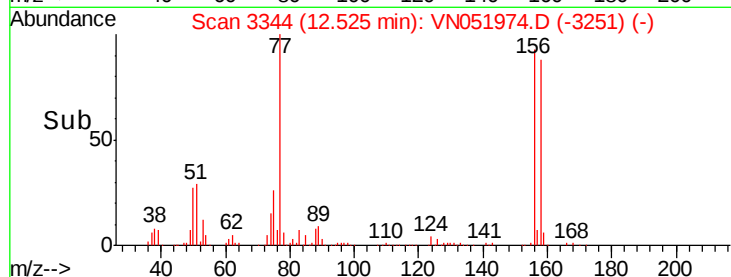
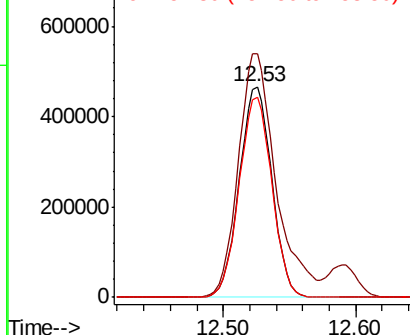
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.538 ug/l

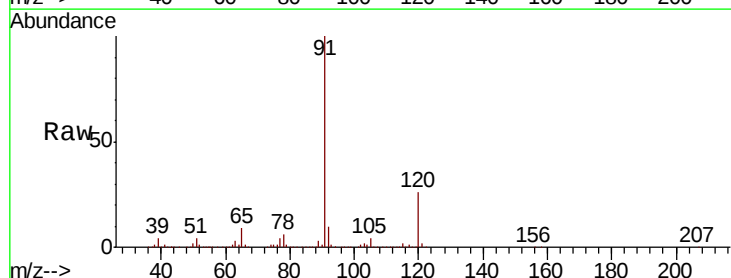
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051974.D

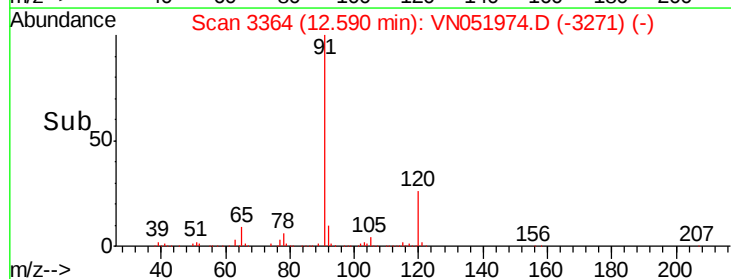
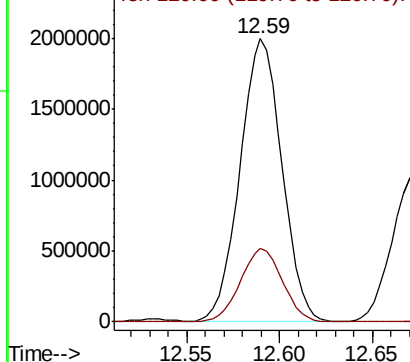
Acq: 24 Oct 2018 8:39

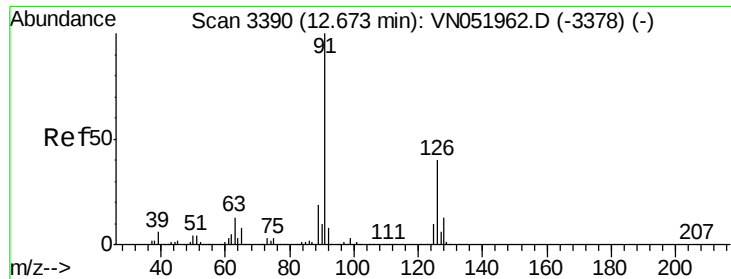
Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.1	13.1	39.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.647 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1779162

Ion Ratio Lower Upper

91 100

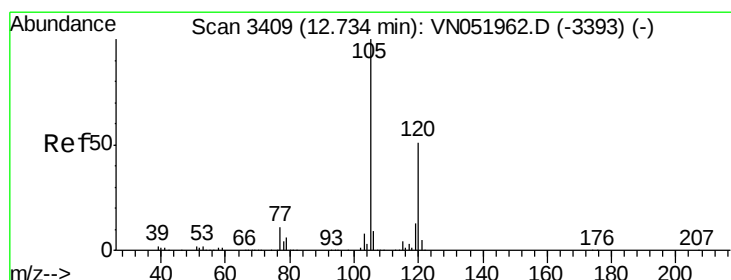
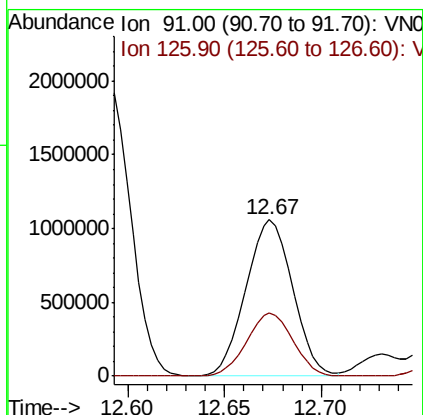
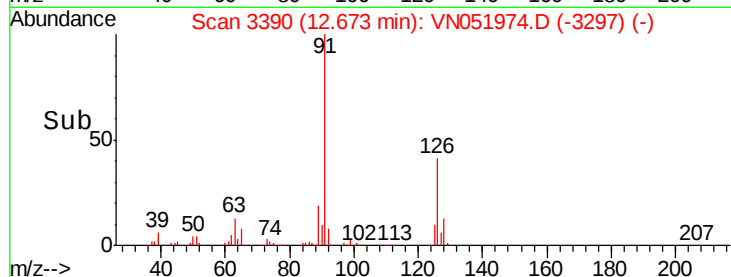
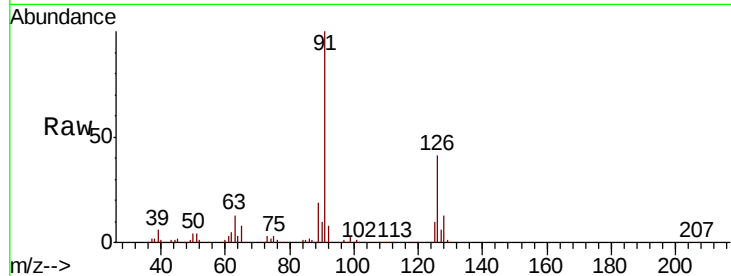
126 40.2 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 52.468 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051974.D

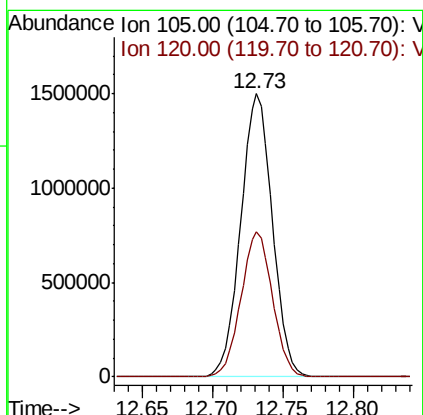
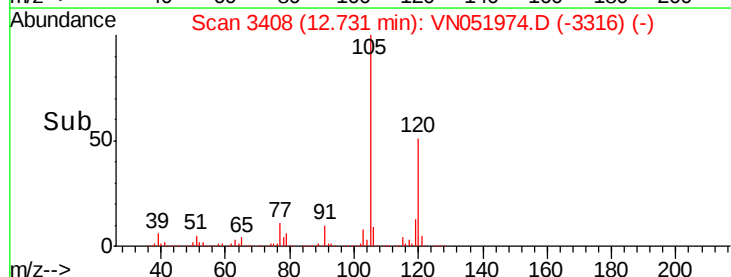
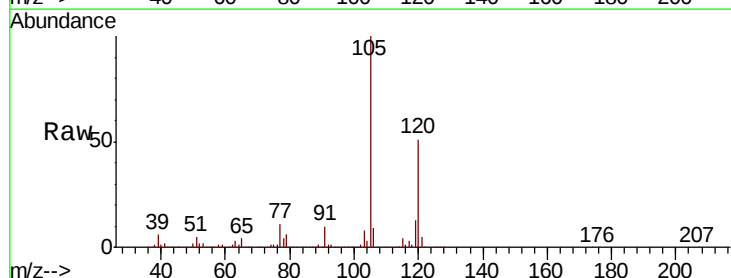
Acq: 24 Oct 2018 8:39

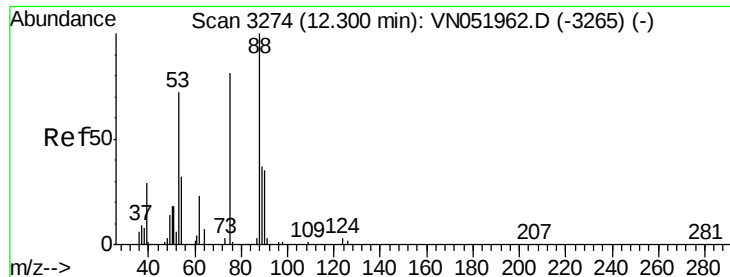
Tgt Ion: 105 Resp: 2353945

Ion Ratio Lower Upper

105 100

120 51.2 25.7 77.1





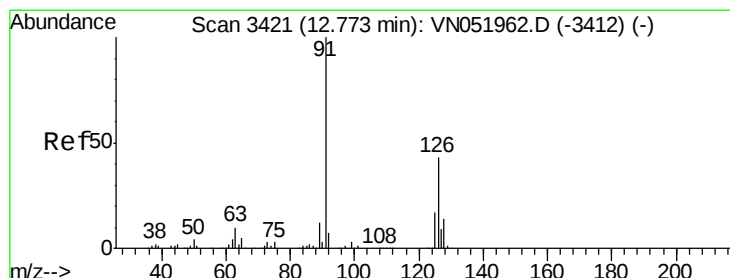
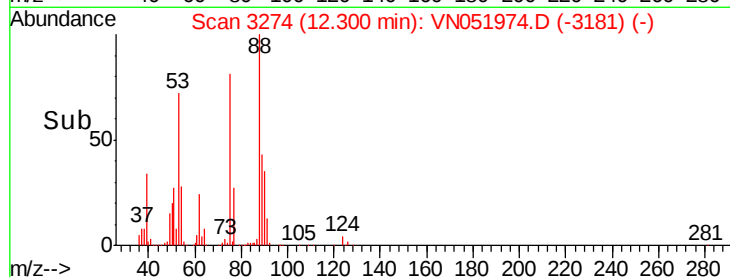
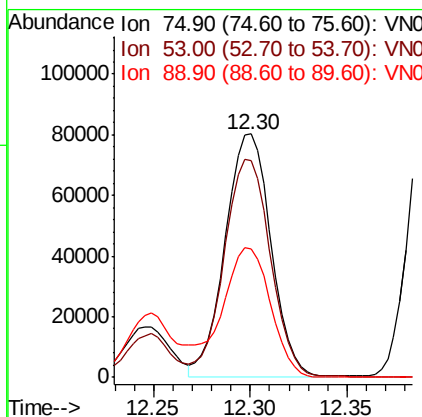
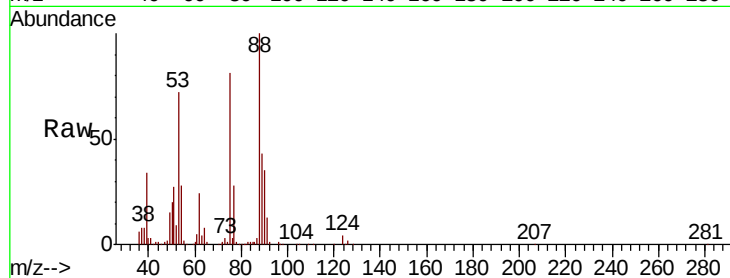
#81
trans-1,4-Dichloro-2-butene
Concen: 47.060 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.9	73.5	110.3
89	54.1	41.6	62.4

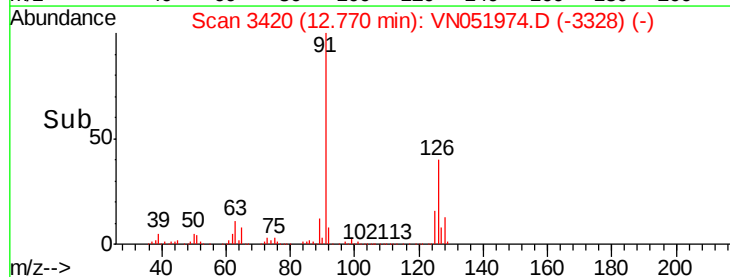
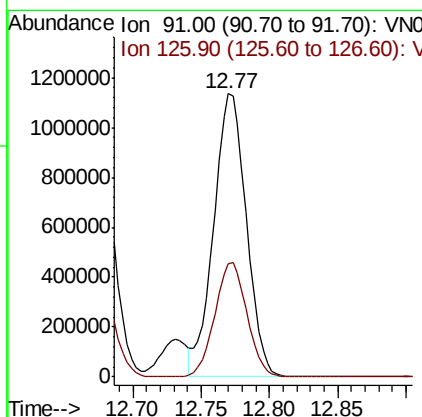
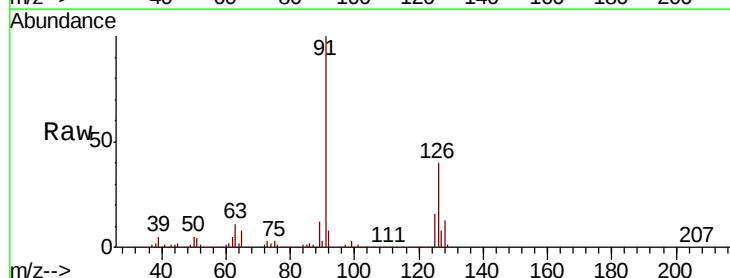
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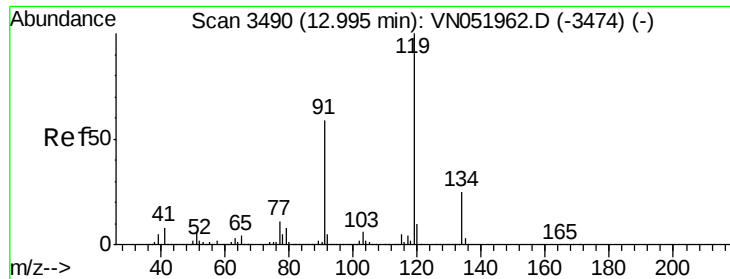
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#82
4-Chlorotoluene
Concen: 51.785 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.7	19.7	59.0





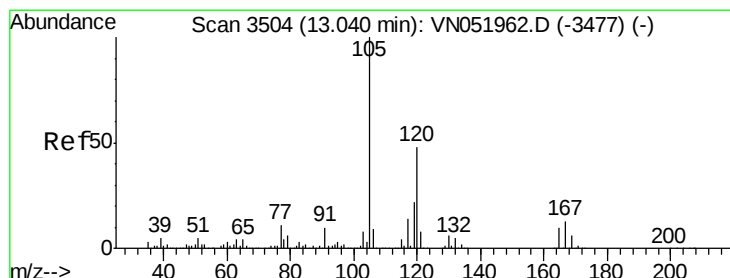
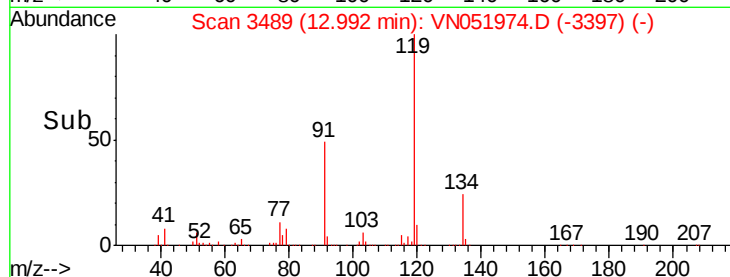
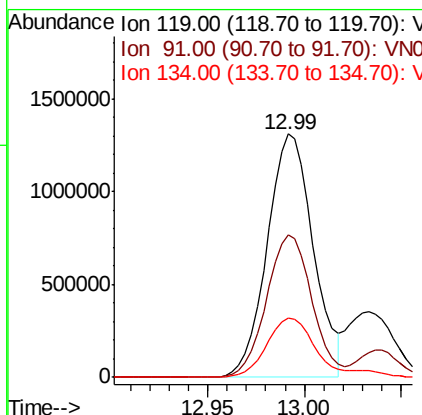
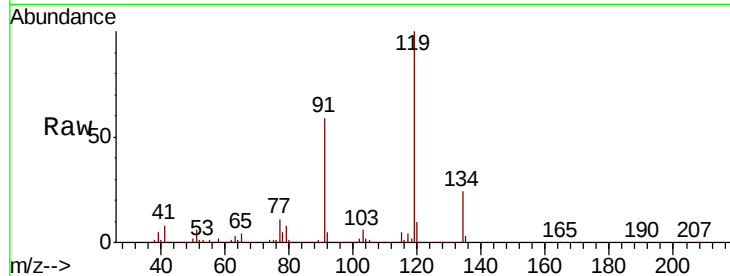
#83
 tert-Butylbenzene
 Concen: 51.184 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 2171889
 Ion Ratio Lower Upper
 119 100
 91 57.6 28.8 86.4
 134 27.0 13.4 40.1

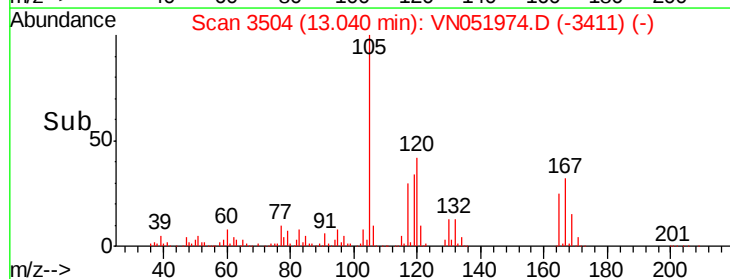
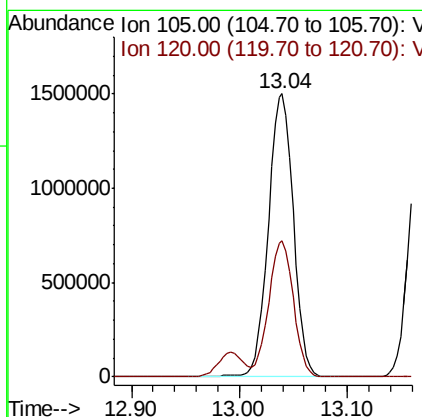
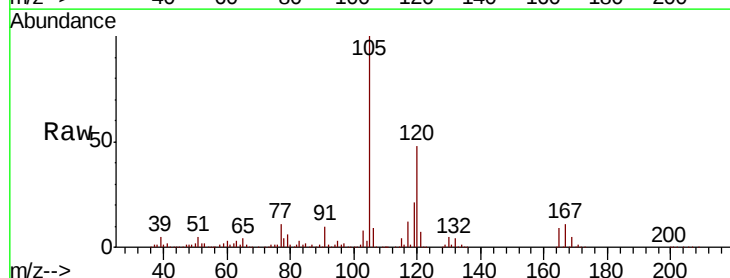
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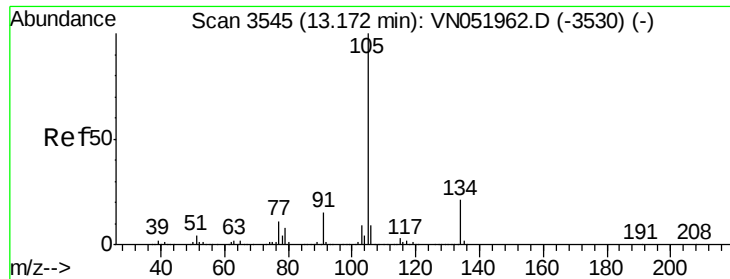
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.967 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:105 Resp: 2404923
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.8 71.5





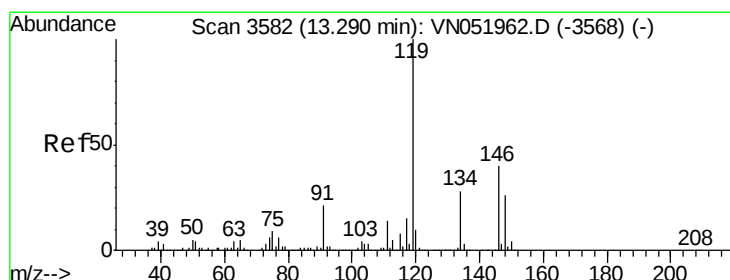
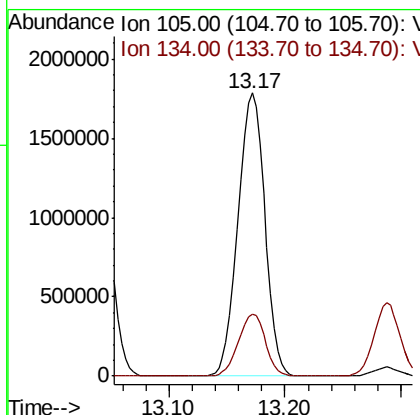
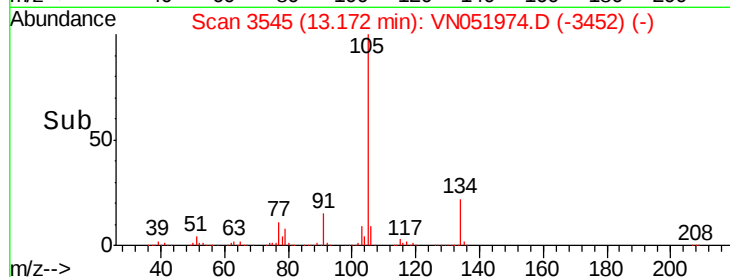
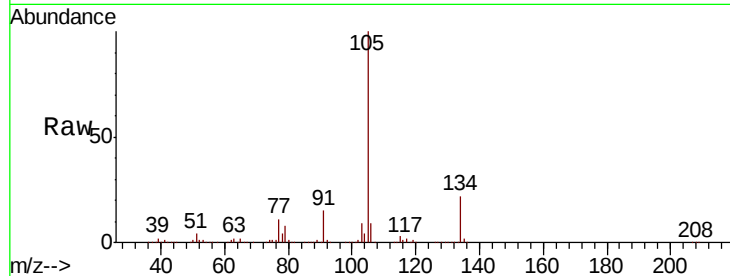
#85
 sec-Butylbenzene
 Concen: 51.649 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2862421
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.9 32.9

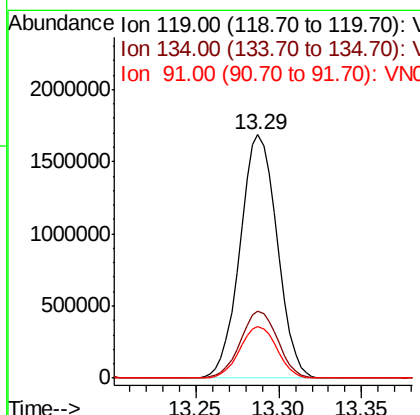
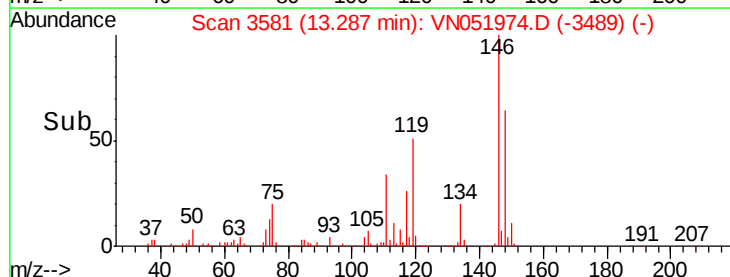
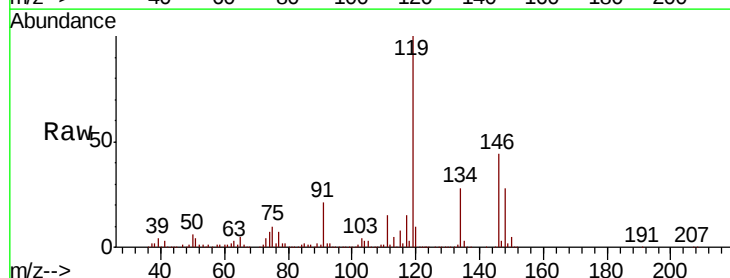
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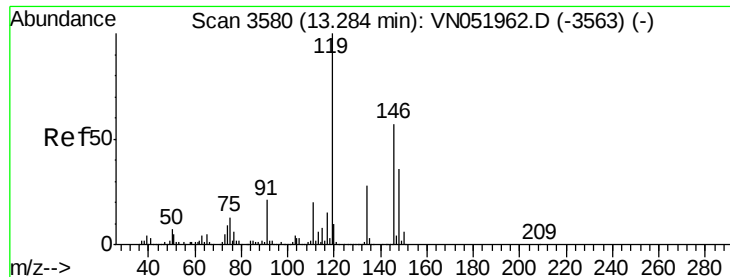
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#86
 p-Isopropyltoluene
 Concen: 52.440 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion:119 Resp: 2616488
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.9 41.7
 91 21.3 10.6 31.8





#87

1,3-Dichlorobenzene

Concen: 51.202 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1457403

Ion Ratio Lower Upper

146 100

111 34.8 17.6 52.8

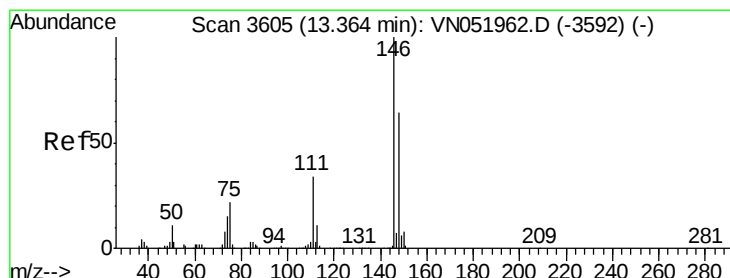
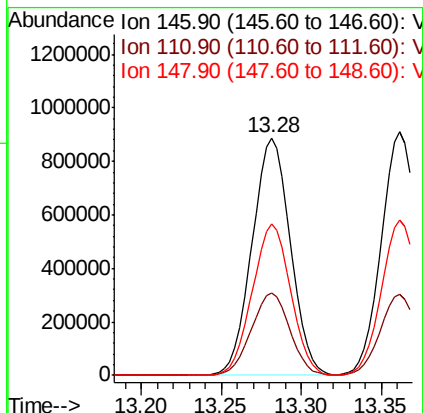
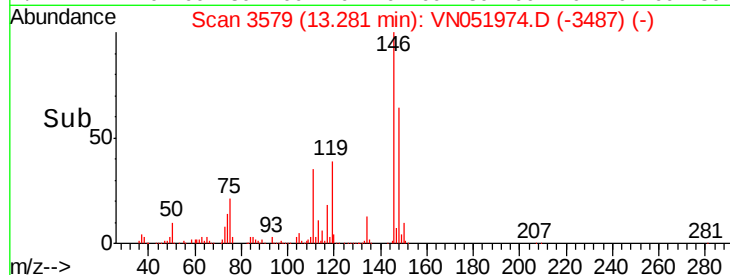
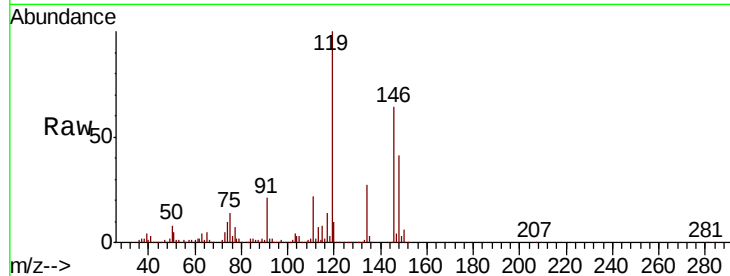
148 64.0 32.0 96.0

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#88

1,4-Dichlorobenzene

Concen: 52.237 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN051974.D

Acq: 24 Oct 2018 8:39

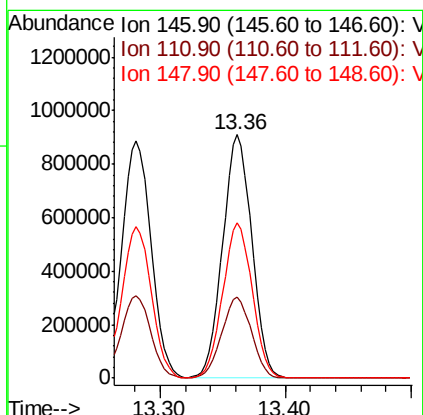
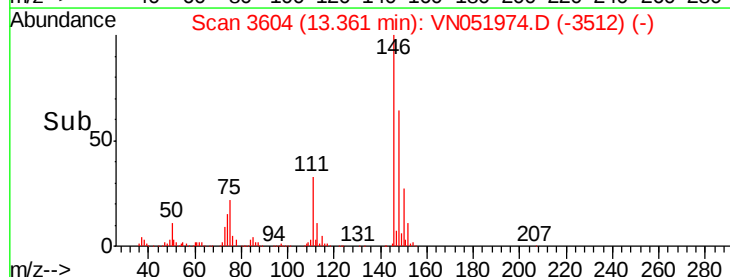
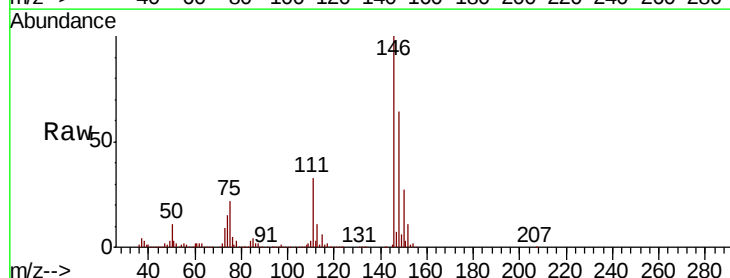
Tgt Ion:146 Resp: 1465861

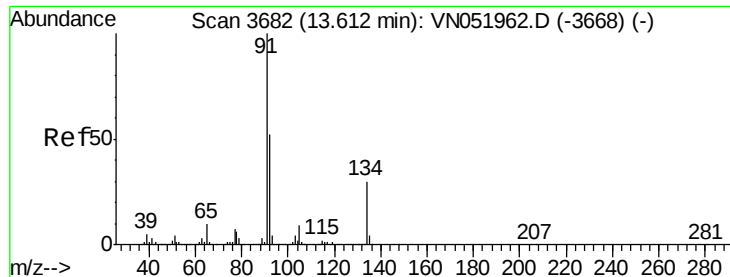
Ion Ratio Lower Upper

146 100

111 34.1 17.3 51.7

148 64.2 32.1 96.3





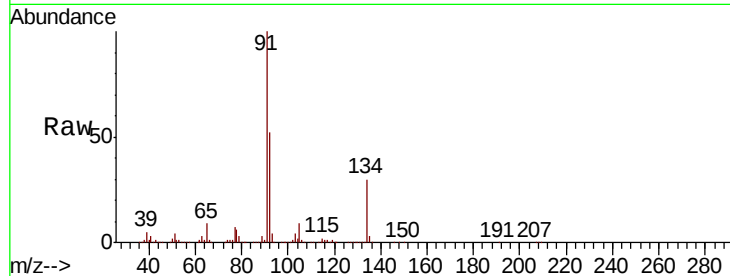
#89
n-Butylbenzene
Concen: 51.113 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

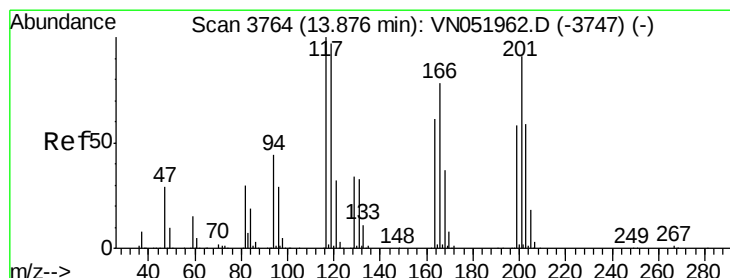
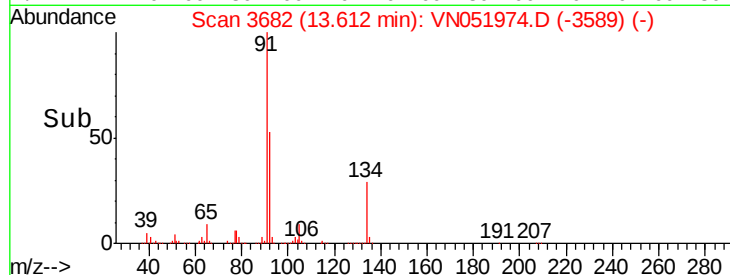
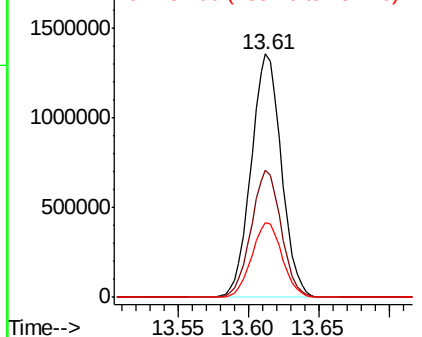
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.9	77.8
134	30.9	15.2	45.6

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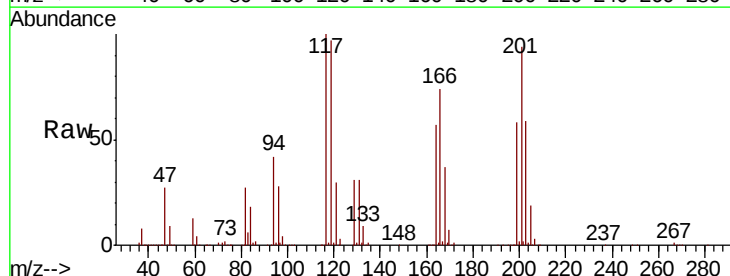


Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)
Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)
Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)

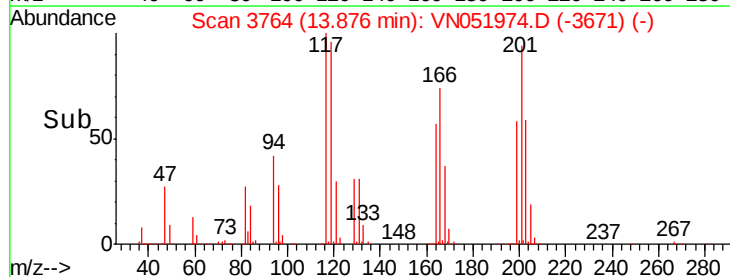
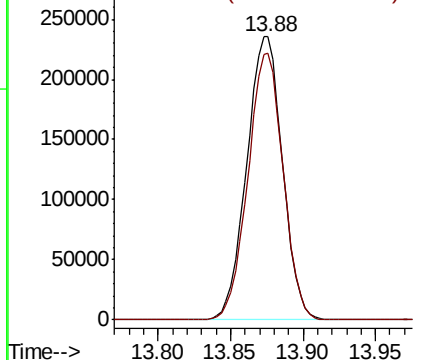


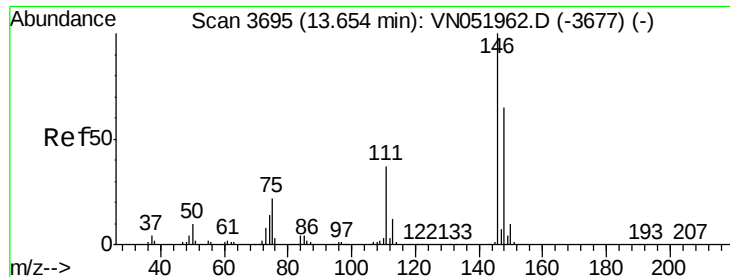
#90
Hexachloroethane
Concen: 54.372 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.6	136.9



Abundance Ion 116.80 (116.50 to 117.50): VN051962.D (-3747) (-)
Ion 200.70 (200.40 to 201.40): VN051962.D (-3747) (-)





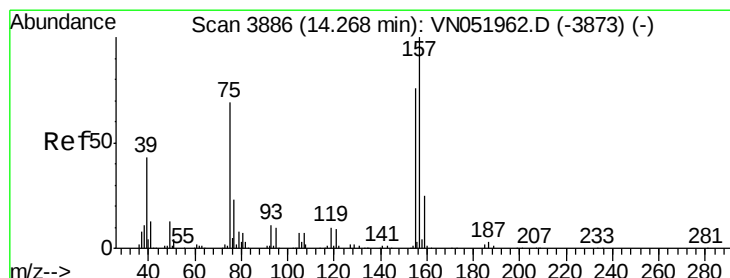
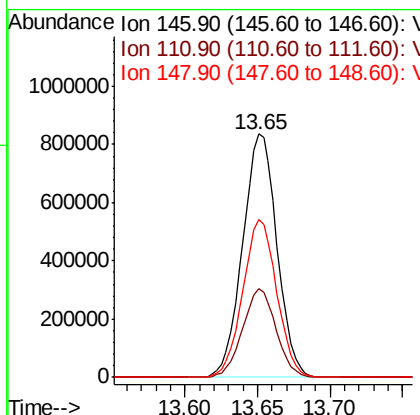
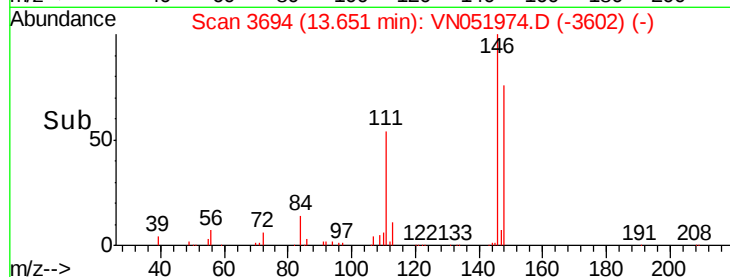
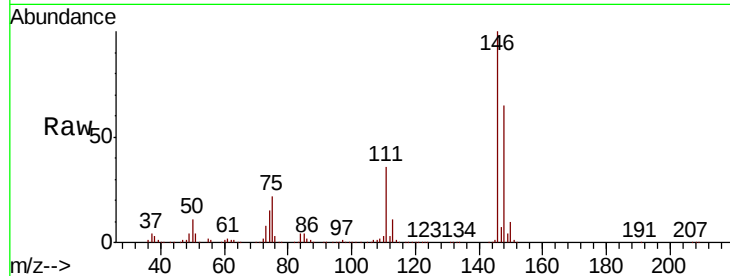
#91
 1,2-Dichlorobenzene
 Concen: 49.937 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1375042
 Ion Ratio Lower Upper
 146 100
 111 35.6 18.3 54.9
 148 64.1 32.4 97.0

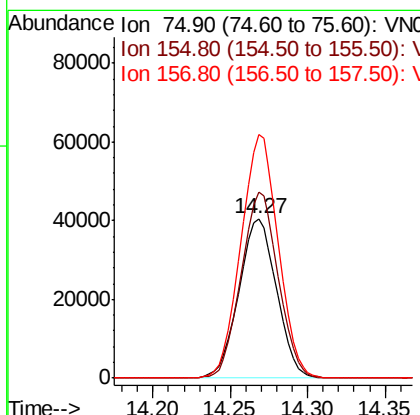
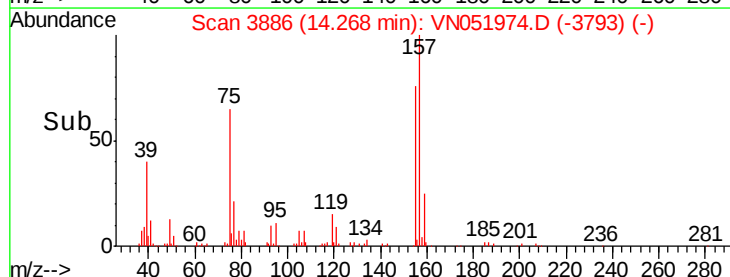
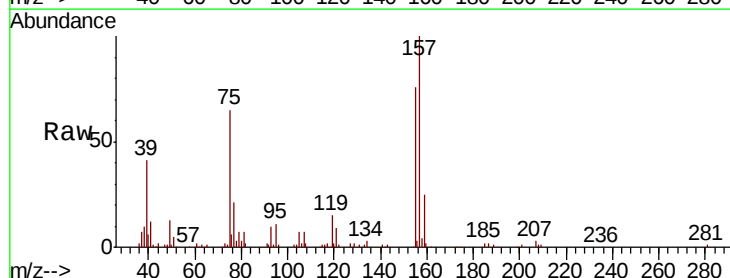
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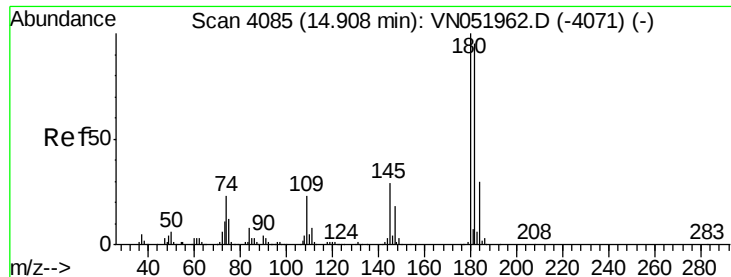
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.669 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion: 75 Resp: 68602
 Ion Ratio Lower Upper
 75 100
 155 114.9 56.0 167.9
 157 151.4 73.9 221.6





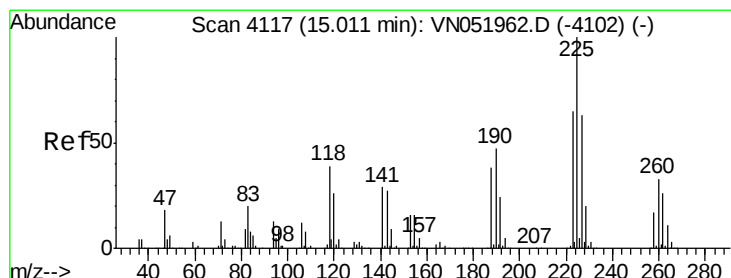
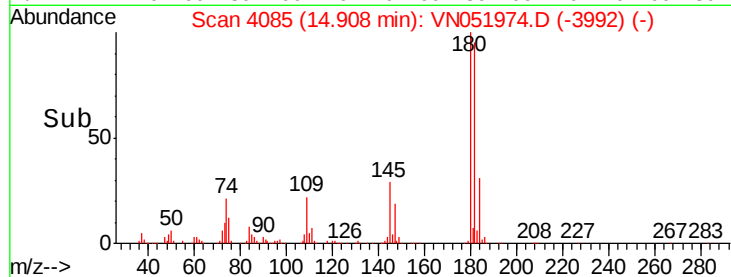
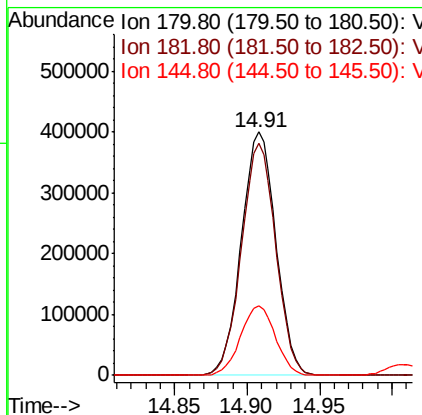
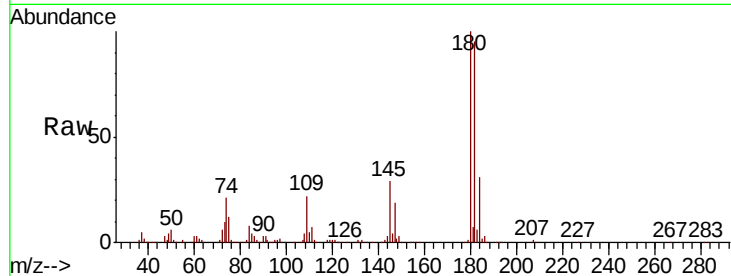
#93
 1,2,4-Trichlorobenzene
 Concen: 40.698 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	661970		
182	94.6		47.8	143.4
145	28.9		14.5	43.5

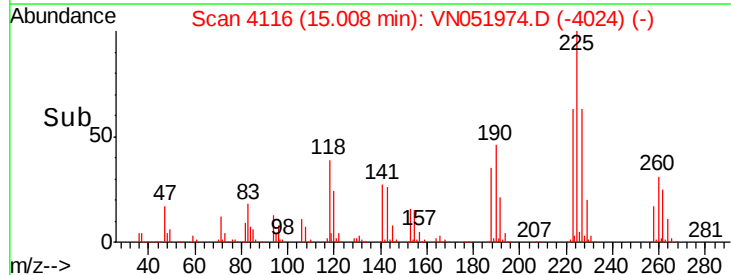
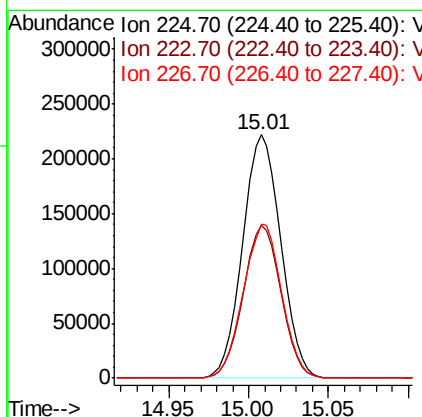
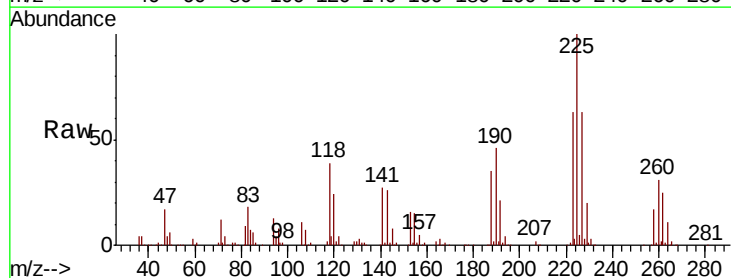
Manual Integrations
 APPROVED

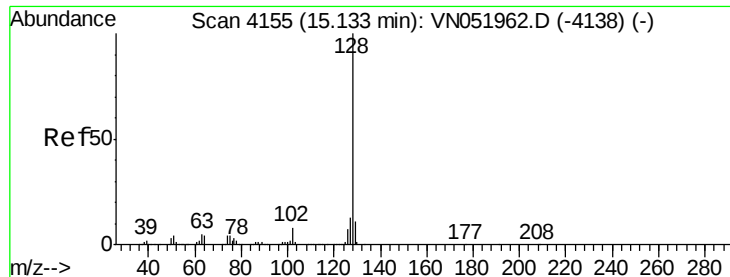
apatel
 10/25/2018 9:23:33 AM



#94
 Hexachlorobutadiene
 Concen: 43.118 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051974.D
 Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	360365		
223	62.2		31.8	95.4
227	63.7		31.4	94.2





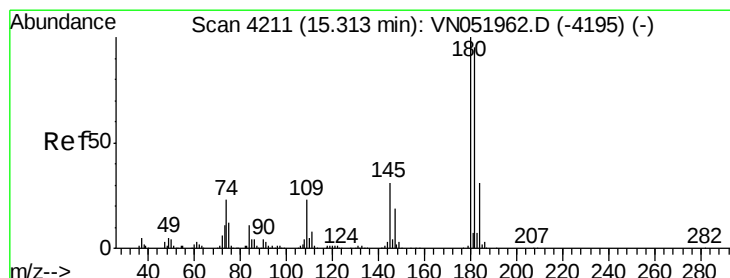
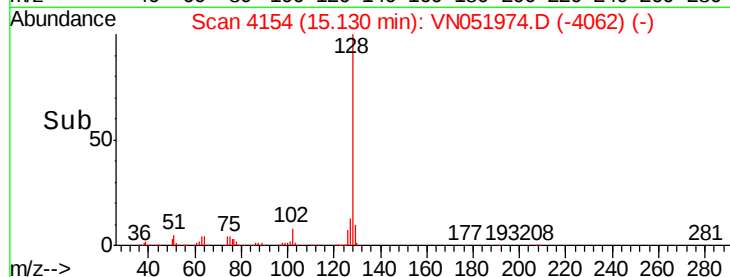
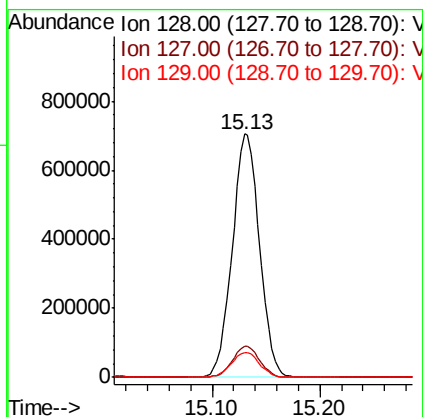
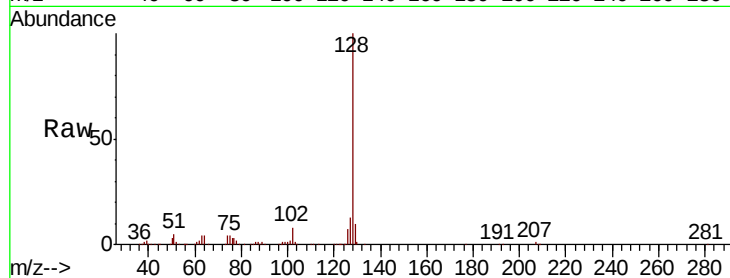
#95
Naphthalene
Concen: 35.000 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.6	8.6	13.0

Manual Integrations
APPROVED

apatel
10/25/2018 9:23:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 34.590 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051974.D
Acq: 24 Oct 2018 8:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.9	143.6
145	30.9	15.4	46.2

