

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102418\
 Data File : VN051977.D
 Acq On : 24 Oct 2018 10:12
 Operator : MD\SY
 Sample : VN1024WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Manual Integrations
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 10/25/2018 9:23:41 AM

Quant Time: Oct 25 10:12:03 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	1098295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1613561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1489938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	760407	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	478899	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	
35) Dibromofluoromethane	7.59	113	498774	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.09	98	1809209	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	612758	47.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	133025	19.086	ug/l	99
3) Chloromethane	2.06	50	122840	19.575	ug/l	95
4) Vinyl Chloride	2.19	62	154662	18.387	ug/l	100
5) Bromomethane	2.57	94	162742	20.207	ug/l	93
6) Chloroethane	2.71	64	115500	18.495	ug/l	100
7) Trichlorofluoromethane	3.02	101	287395	19.175	ug/l	98
8) Diethyl Ether	3.41	74	87014	19.527	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175265	19.520	ug/l	100
10) Methyl Iodide	3.96	142	270322	20.350	ug/l	99
11) Tert butyl alcohol	4.78	59	42996	84.935	ug/l	99
12) 1,1-Dichloroethene	3.74	96	158730	19.741	ug/l	97
13) Acrolein	3.62	56	21786	100.893	ug/l	91
14) Allyl chloride	4.33	41	164551	19.340	ug/l	96
15) Acrylonitrile	4.99	53	216021	101.088	ug/l	99
16) Acetone	3.82	43	149128	92.535	ug/l	96
17) Carbon Disulfide	4.06	76	366273	19.163	ug/l	99
18) Methyl Acetate	4.33	43	100347	19.076	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	422727	19.582	ug/l	99
20) Methylene Chloride	4.55	84	176035	18.620	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	176117	19.340	ug/l	97
22) Diisopropyl ether	5.96	45	384411	19.747	ug/l	98
23) Vinyl Acetate	5.90	43	1302274	98.343	ug/l	100
24) 1,1-Dichloroethane	5.85	63	275374	19.376	ug/l	99
25) 2-Butanone	6.83	43	225893	98.322	ug/l	100
26) 2,2-Dichloropropane	6.83	77	253617	19.505	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	211860	19.915	ug/l	97
28) Bromochloromethane	7.20	49	114179	19.934	ug/l	99
29) Tetrahydrofuran	7.21	42	148087	95.134	ug/l	98
30) Chloroform	7.37	83	338346	19.497	ug/l	97
31) Cyclohexane	7.65	56	235011	18.965	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	310566	19.571	ug/l	99
36) 1,1-Dichloropropene	7.79	75	232070	18.749	ug/l	99
37) Ethyl Acetate	6.93	43	110989	18.876	ug/l	98
38) Carbon Tetrachloride	7.78	117	276307	19.445	ug/l	98

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Quant Time: Oct 25 10:12:03 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)
39) Methylcyclohexane	9.08	83	289959	19.180	ug/l	99
40) Benzene	8.04	78	711541	19.362	ug/l	100
41) Methacrylonitrile	7.17	41	53767	19.331	ug/l	93
42) 1,2-Dichloroethane	8.12	62	226270	19.203	ug/l	100
43) Isopropyl Acetate	8.16	43	200818	19.373	ug/l #	84
44) Trichloroethene	8.84	130	226895	19.235	ug/l	98
45) 1,2-Dichloropropane	9.12	63	162232	19.515	ug/l	99
46) Dibromomethane	9.21	93	132604	19.787	ug/l	97
47) Bromodichloromethane	9.40	83	245353	19.386	ug/l	99
48) Methyl methacrylate	9.20	41	94237	18.809	ug/l	97
49) 1,4-Dioxane	9.20	88	30331	330.147	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	549375	96.350	ug/l	98
52) Toluene	10.16	92	486609	19.526	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229384	18.549	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	262477	19.842	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	177664	19.295	ug/l	99
56) Ethyl methacrylate	10.43	69	193873	19.588	ug/l	99
57) 1,3-Dichloropropane	10.71	76	268777	19.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	514189	99.287	ug/l	100
59) 2-Hexanone	10.75	43	369205	96.372	ug/l	100
60) Dibromochloromethane	10.90	129	195671	17.977	ug/l	100
61) 1,2-Dibromoethane	11.01	107	186541	19.214	ug/l	100
64) Tetrachloroethene	10.63	164	214276	18.737	ug/l	96
65) Chlorobenzene	11.43	112	585584	19.466	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	209441	19.370	ug/l	100
67) Ethyl Benzene	11.51	91	928235	19.196	ug/l	99
68) m/p-Xylenes	11.62	106	758639	39.267	ug/l	100
69) o-Xylene	11.95	106	368515	19.613	ug/l	99
70) Styrene	11.96	104	591765	19.705	ug/l	100
71) Bromoform	12.13	173	119825	17.536	ug/l #	100
73) Isopropylbenzene	12.25	105	983024	20.384	ug/l	99
74) N-amyl acetate	12.07	43	184004	19.385	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	199092	19.980	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144412m	18.386	ug/l	
77) Bromobenzene	12.53	156	269929	20.281	ug/l	100
78) n-propylbenzene	12.59	91	1060008	20.376	ug/l	100
79) 2-Chlorotoluene	12.67	91	622505	20.548	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	806987	20.857	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	44028	19.221	ug/l	96
82) 4-Chlorotoluene	12.77	91	636190	20.283	ug/l	99
83) tert-Butylbenzene	12.99	119	750679	20.514	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	824468	20.658	ug/l	99
85) sec-Butylbenzene	13.17	105	983594	20.580	ug/l	98
86) p-Isopropyltoluene	13.29	119	884968	20.567	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	482308	19.648	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	481585	19.900	ug/l	98
89) n-Butylbenzene	13.61	91	682976	19.933	ug/l	99
90) Hexachloroethane	13.87	117	128980	20.120	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	466569	19.648	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26675	17.435	ug/l	92

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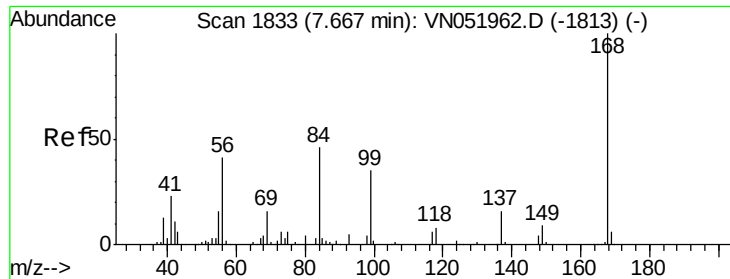
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226349	16.136	ug/l	99
94) Hexachlorobutadiene	15.01	225	130548	18.112	ug/l	98
95) Naphthalene	15.13	128	457242	15.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	198336	14.792	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: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:168 Resp: 1098295

Ion Ratio Lower Upper

168 100

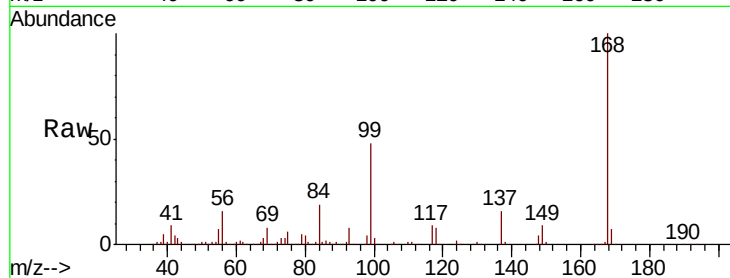
99 48.1 37.8 56.6

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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

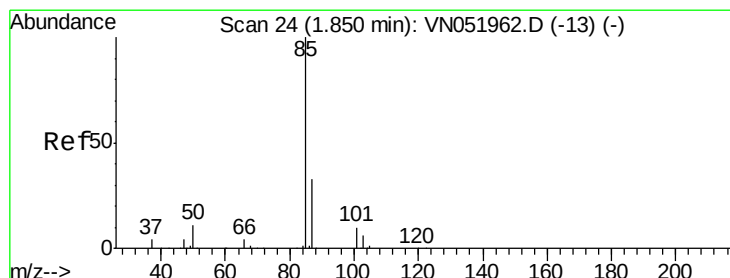
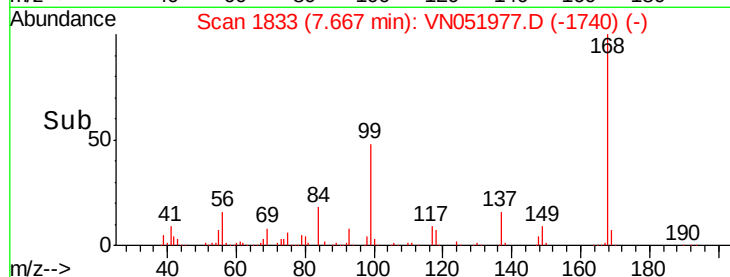
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.086 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051977.D

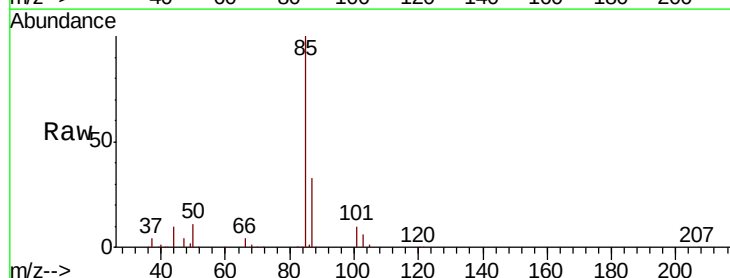
Acq: 24 Oct 2018 10:12

Tgt Ion: 85 Resp: 133025

Ion Ratio Lower Upper

85 100

87 33.4 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

100000

80000

60000

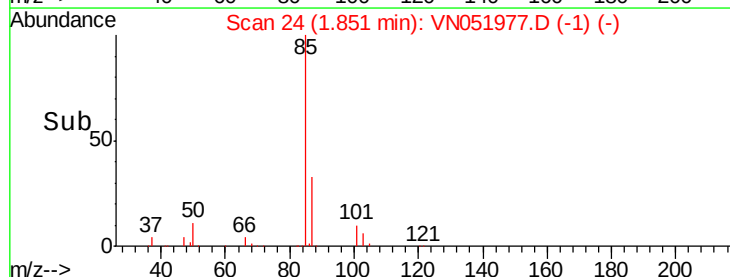
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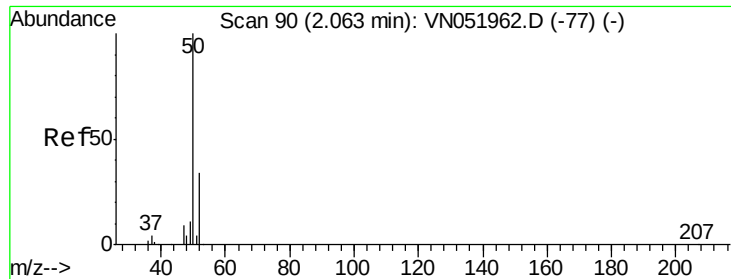
20000

0

1.80 1.85 1.90 1.95

Time-->





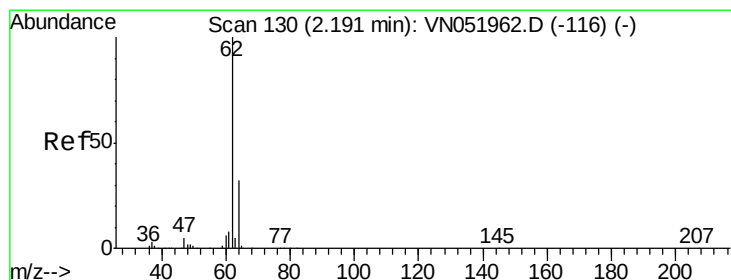
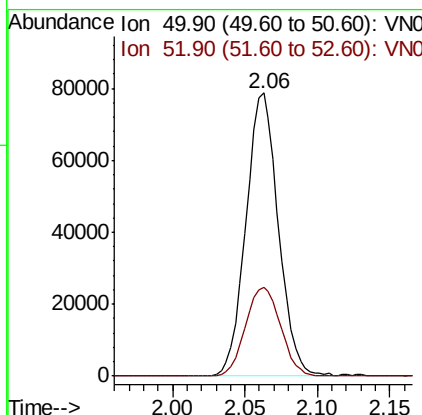
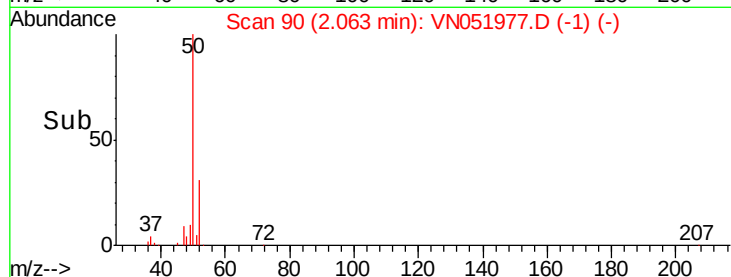
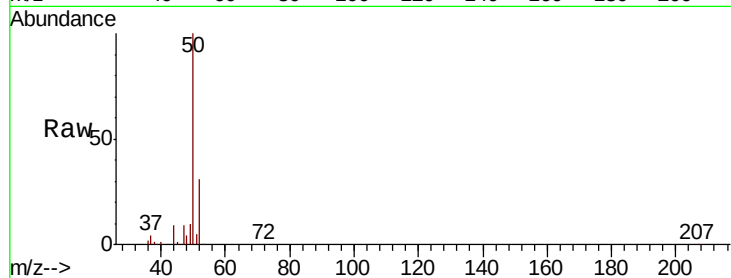
#3
Chloromethane
Concen: 19.575 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	31.3	27.5	41.3

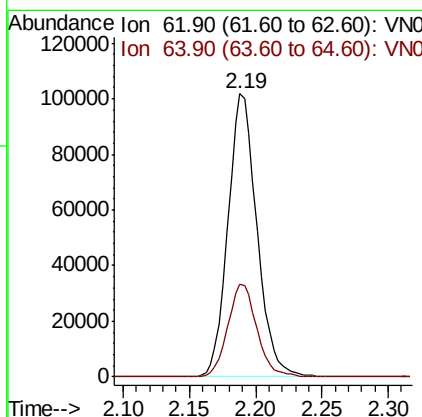
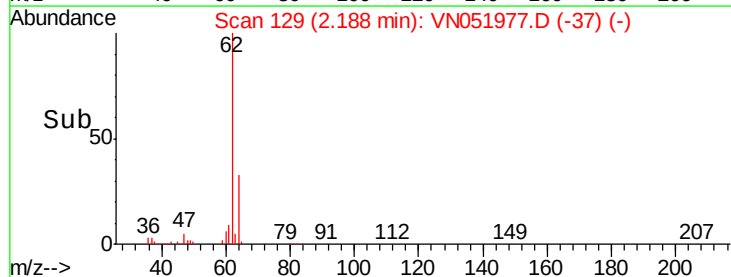
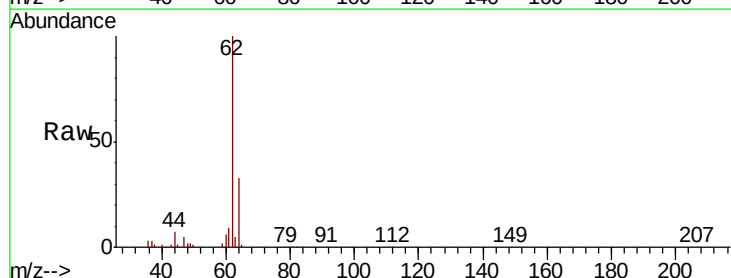
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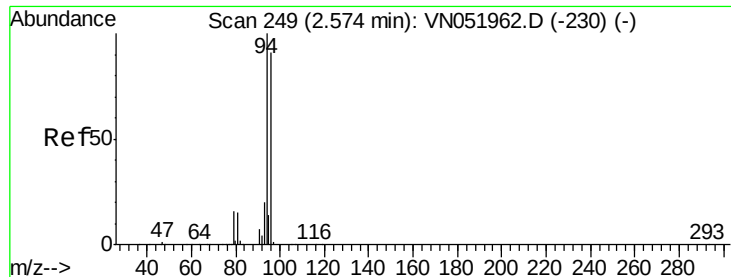
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#4
Vinyl Chloride
Concen: 18.387 ug/l
RT: 2.19 min Scan# 129
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.6	26.0	39.0





#5

Bromomethane

Concen: 20.207 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 94 Resp: 162742

Ion Ratio Lower Upper

94 100

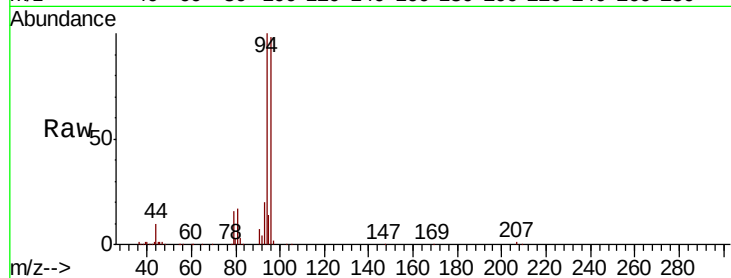
96 98.4 73.0 109.6

Manual Integrations

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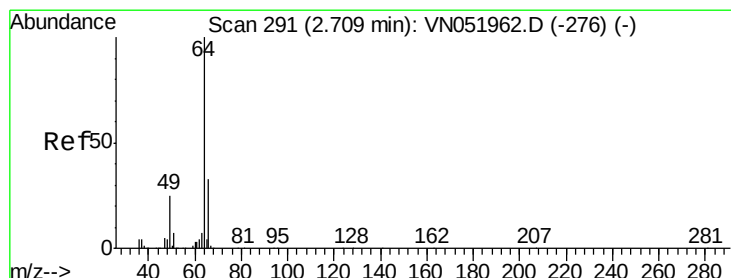
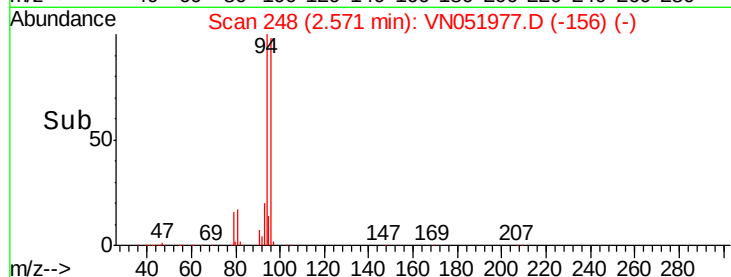
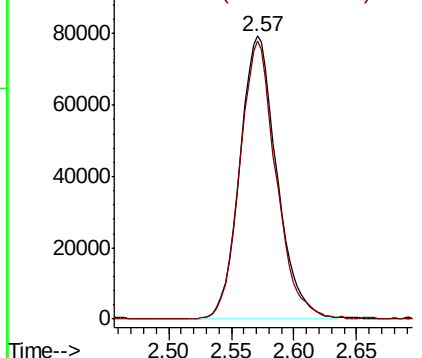
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.495 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN051977.D

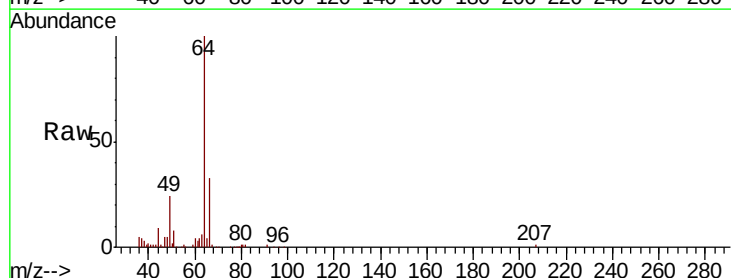
Acq: 24 Oct 2018 10:12

Tgt Ion: 64 Resp: 115500

Ion Ratio Lower Upper

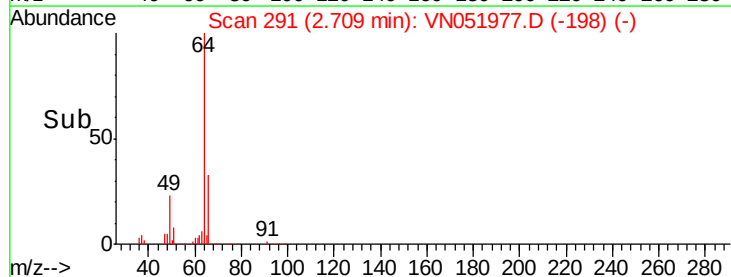
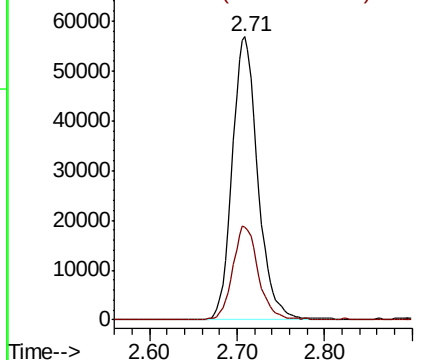
64 100

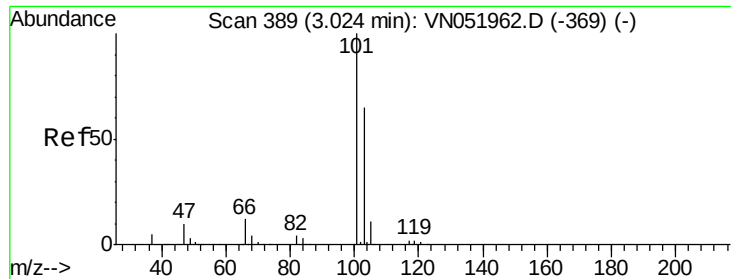
66 33.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

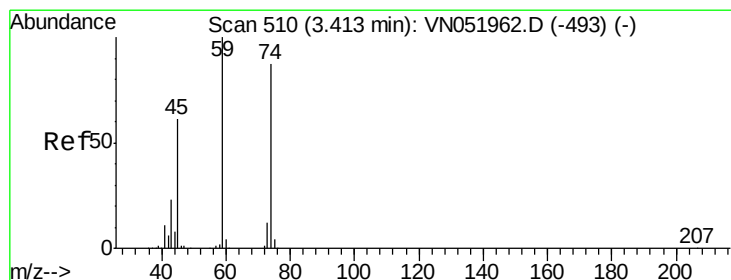
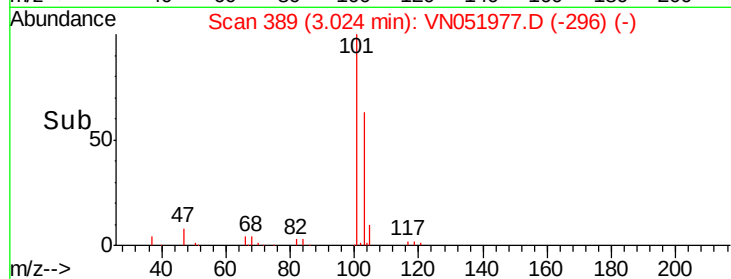
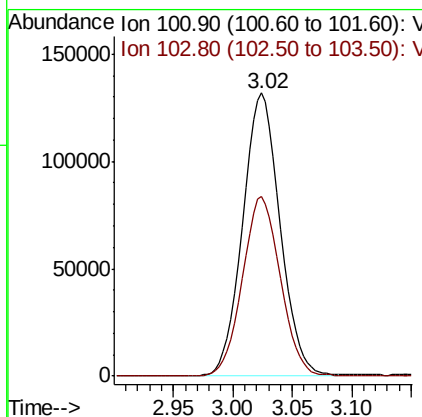
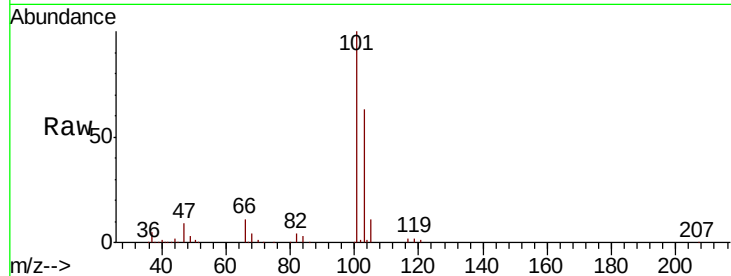
Trichlorofluoromethane
 Concen: 19.175 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
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 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.0	78.0

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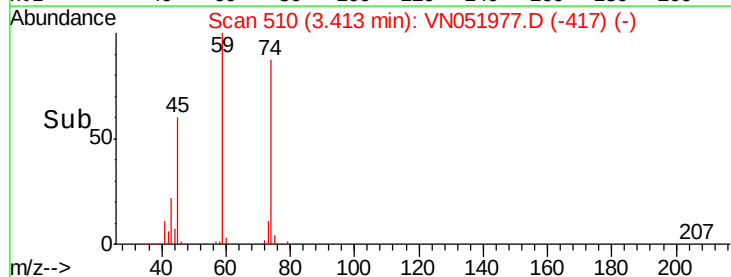
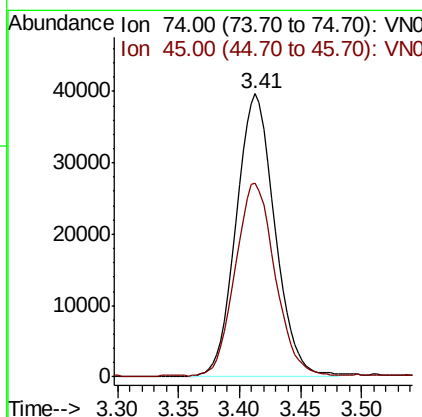
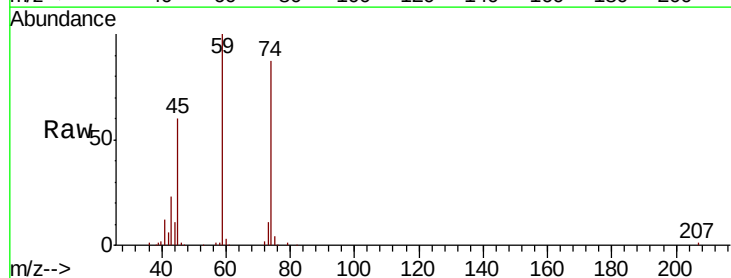
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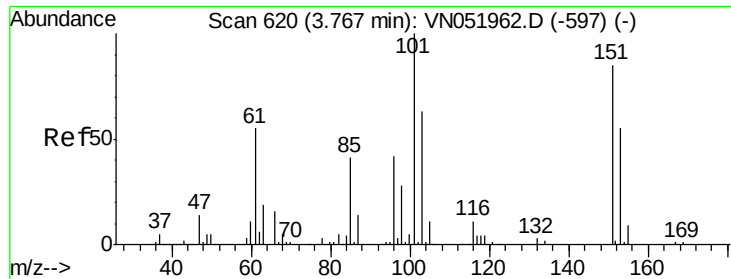


#8

Diethyl Ether
 Concen: 19.527 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	69.9	35.5	106.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.520 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

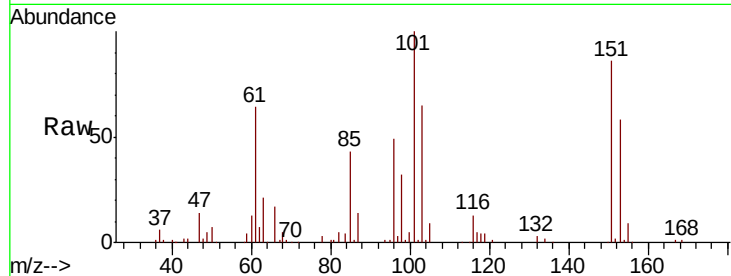
ClientSampleId :

VN1024WBSD01

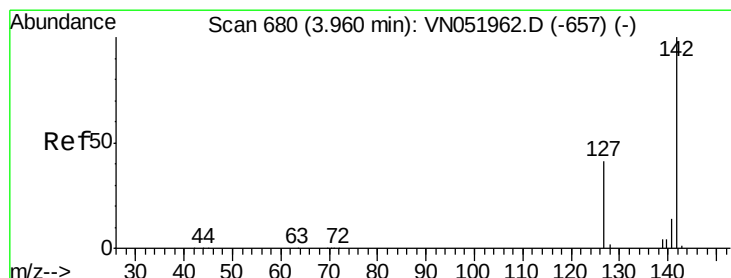
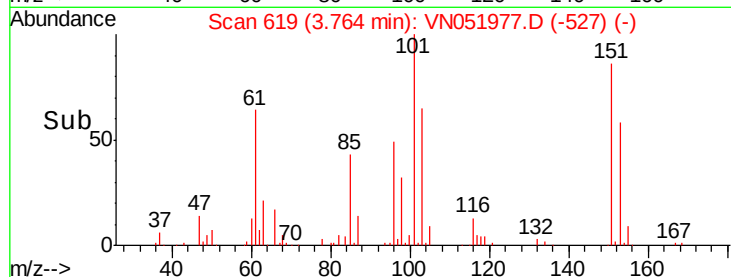
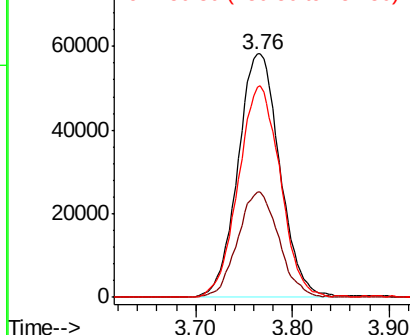
Tot Ion:	101	Resp:	175265
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	86.6	69.1	103.7

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



#10

Methyl Iodide

Concen: 20.350 ug/l

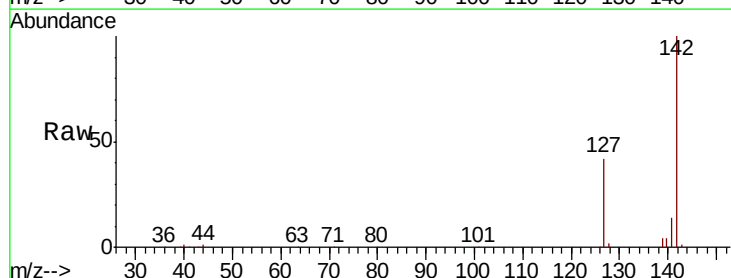
RT: 3.96 min Scan# 680

Delta R.T. 0.00 min

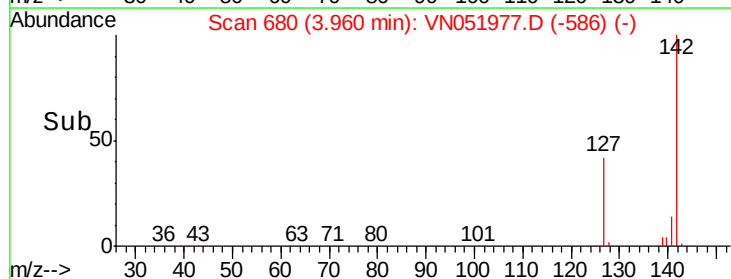
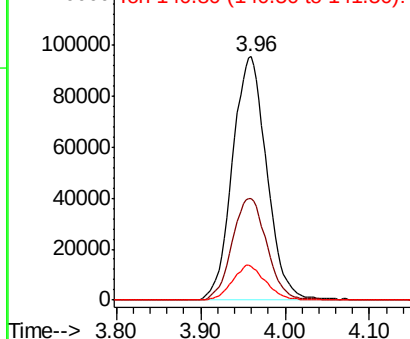
Lab File: VN051977.D

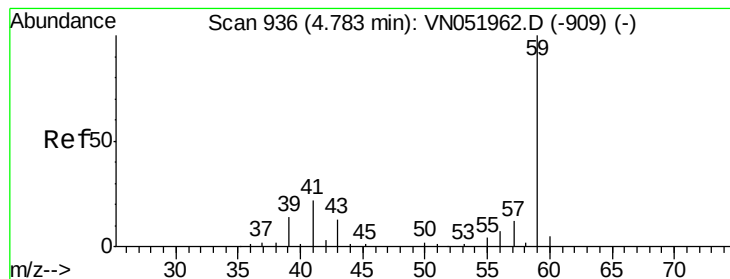
Acq: 24 Oct 2018 10:12

Tgt Ion:	142	Resp:	270322
Ion Ratio	Lower	Upper	
142	100		
127	42.3	34.3	51.5
141	13.9	11.4	17.0



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





#11

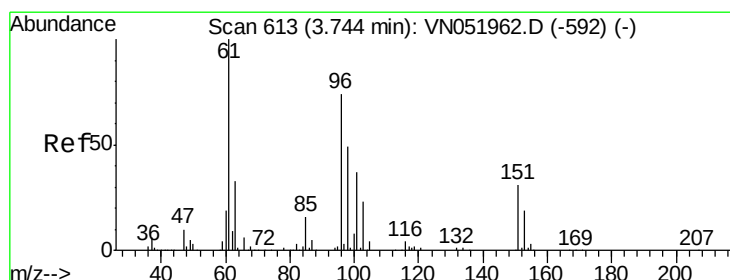
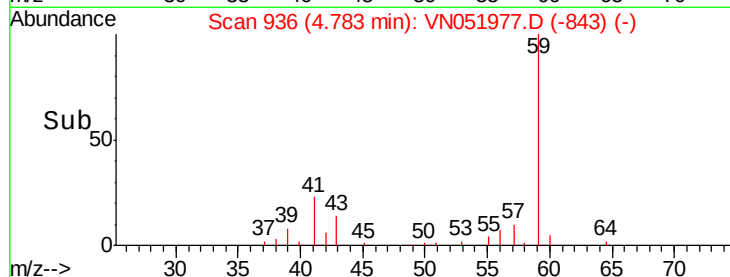
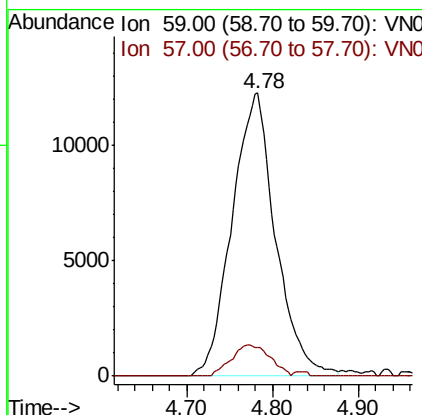
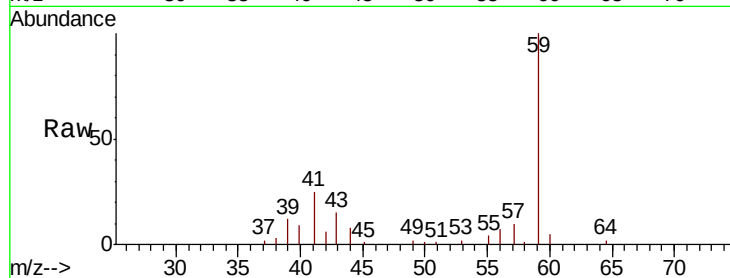
Tert butyl alcohol
 Concen: 84.935 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	42996		
57	9.9		8.2	12.4

Manual Integrations
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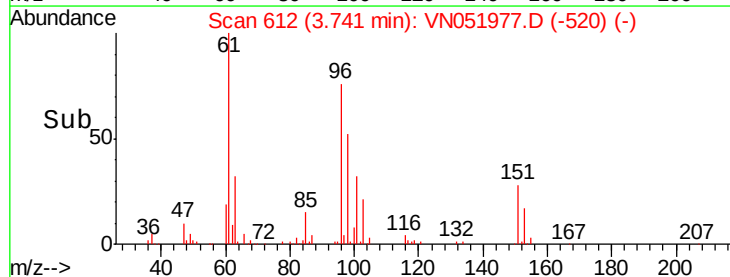
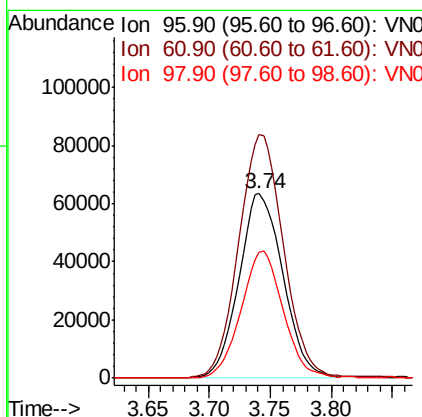
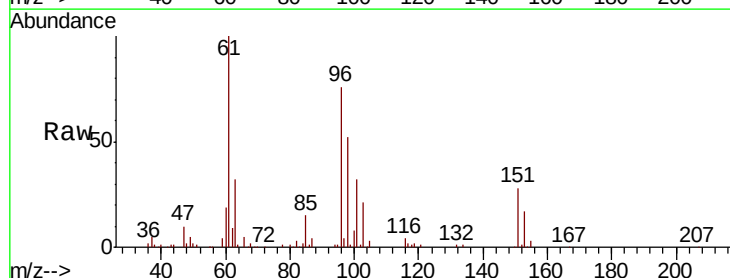
apatel
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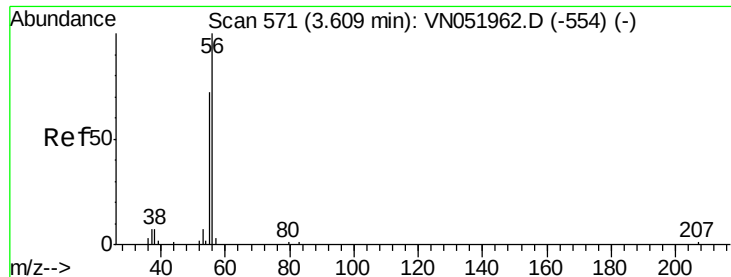


#12

1,1-Dichloroethene
 Concen: 19.741 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	158730		
61	131.5		107.8	161.8
98	68.2		52.7	79.1





#13

Acrolein

Concen: 100.893 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 56 Resp: 21786

Ion Ratio Lower Upper

56 100

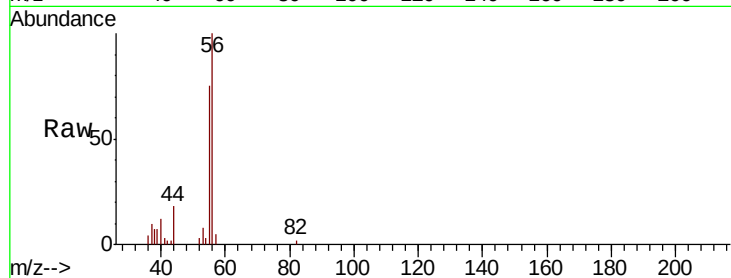
55 77.9 56.6 84.8

Manual Integrations

APPROVED

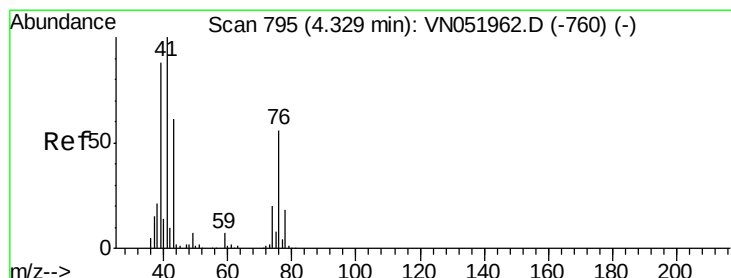
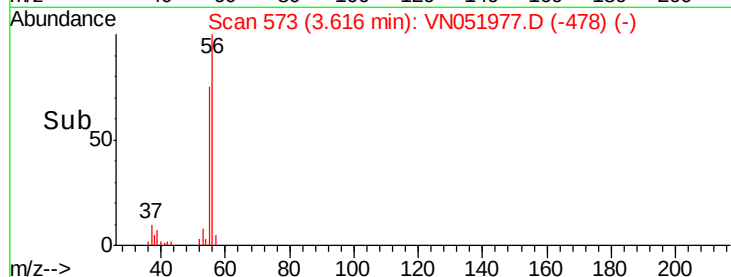
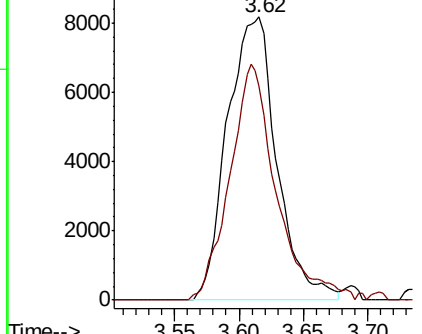
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Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN051962.D (-554) (-)



#14

Allyl chloride

Concen: 19.340 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

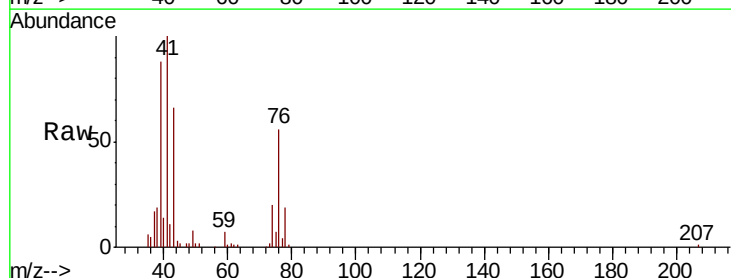
Tgt Ion: 41 Resp: 164551

Ion Ratio Lower Upper

41 100

39 79.9 67.7 101.5

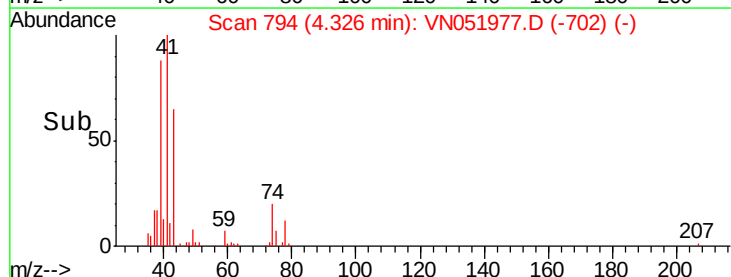
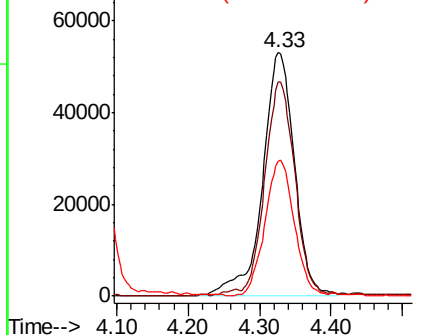
76 50.5 41.3 61.9

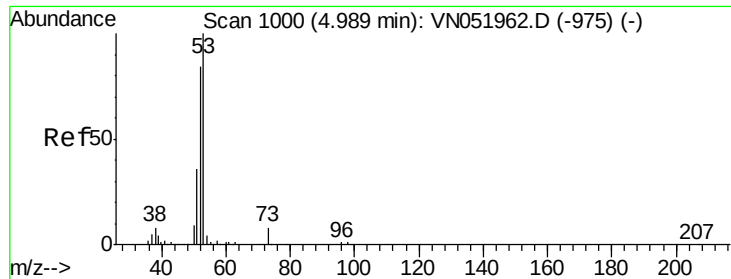


Abundance Ion 41.00 (40.70 to 41.70): VN051962.D (-760) (-)

Ion 39.00 (38.70 to 39.70): VN051962.D (-760) (-)

Ion 75.90 (75.60 to 76.60): VN051962.D (-760) (-)





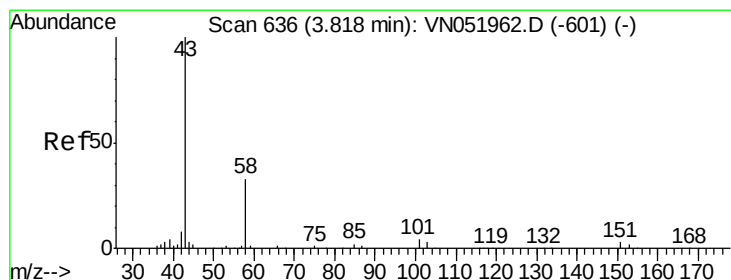
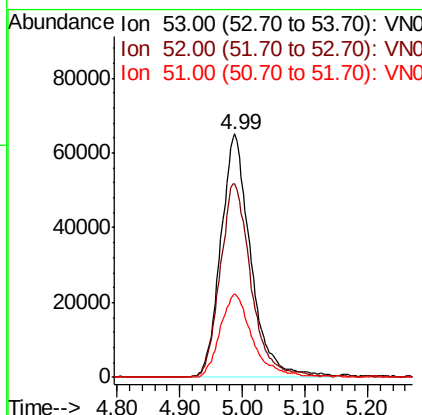
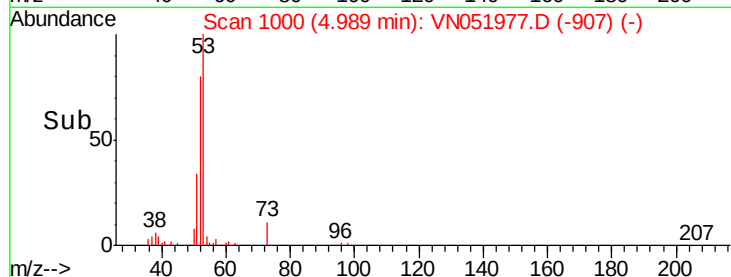
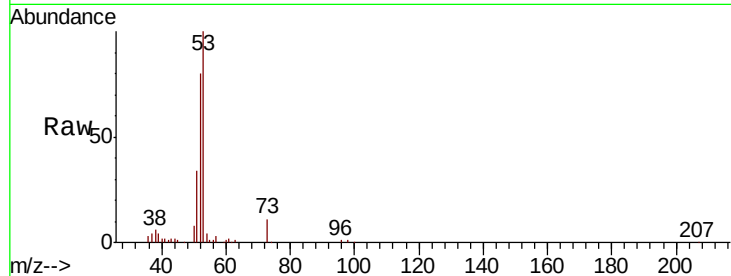
#15
 Acrylonitrile
 Concen: 101.088 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	81.8	67.0	100.4	
51	36.9	29.5	44.3	

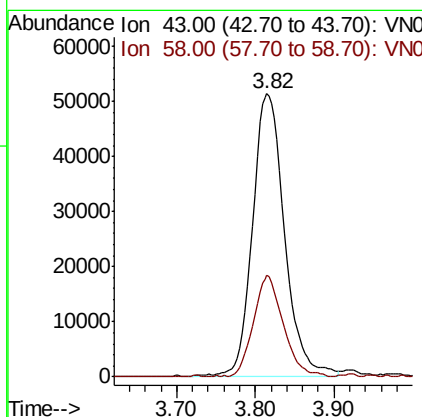
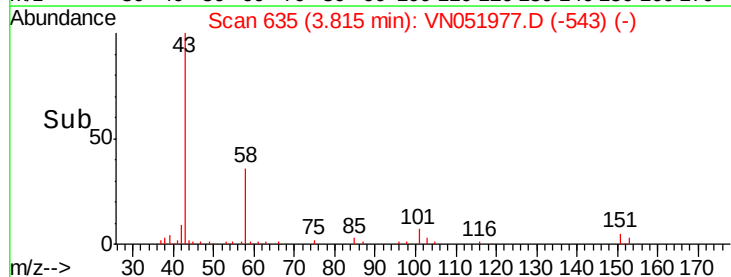
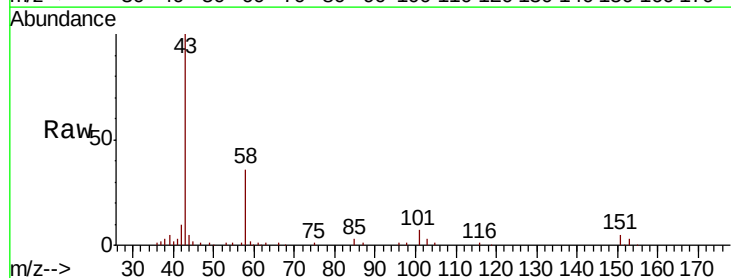
Manual Integrations
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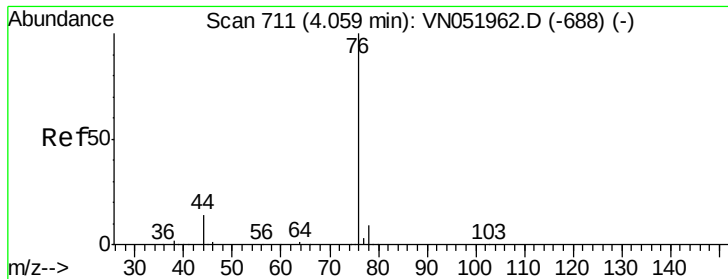
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#16
 Acetone
 Concen: 92.535 ug/l
 RT: 3.82 min Scan# 635
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	35.4	26.7	40.1	





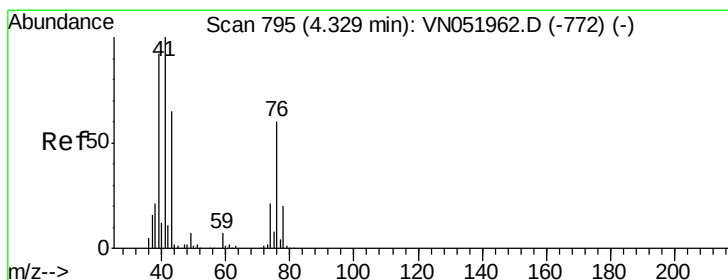
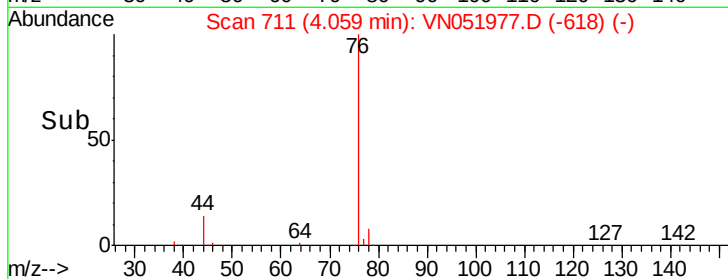
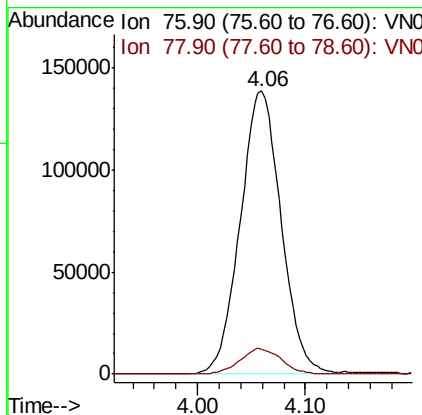
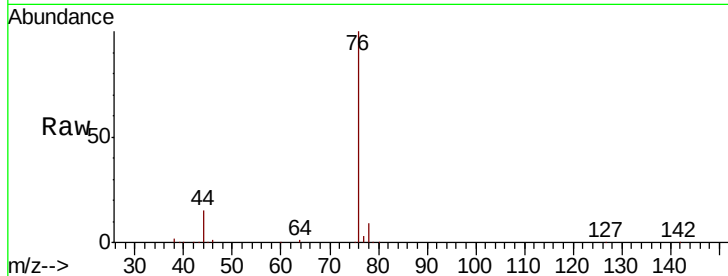
#17
Carbon Disulfide
Concen: 19.163 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

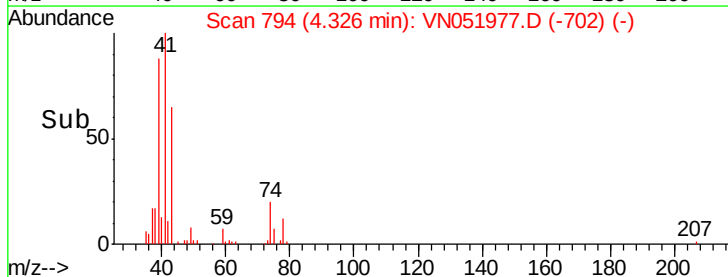
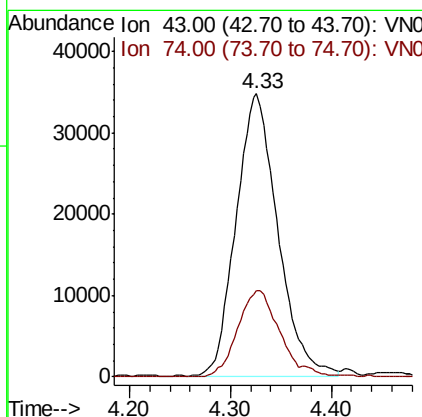
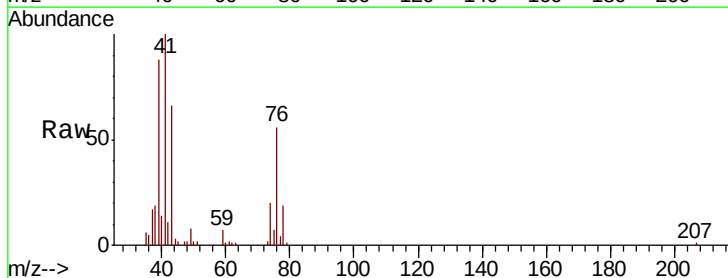
Manual Integrations
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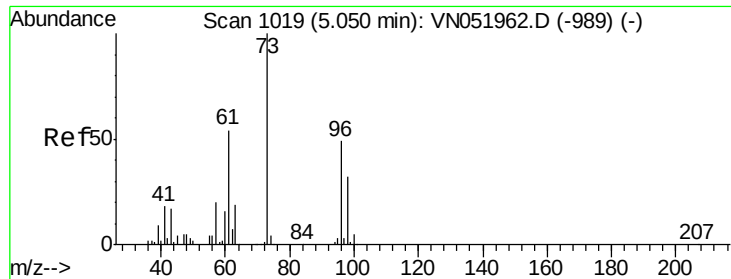
apatel
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#18
Methyl Acetate
Concen: 19.076 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.6	25.7	38.5





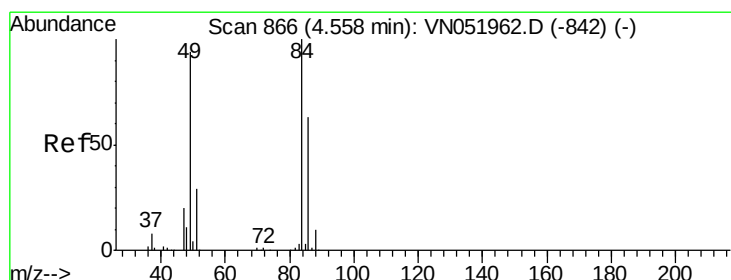
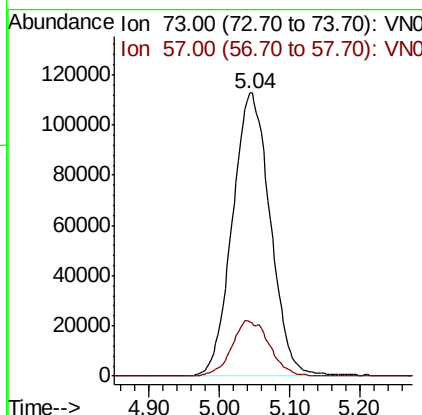
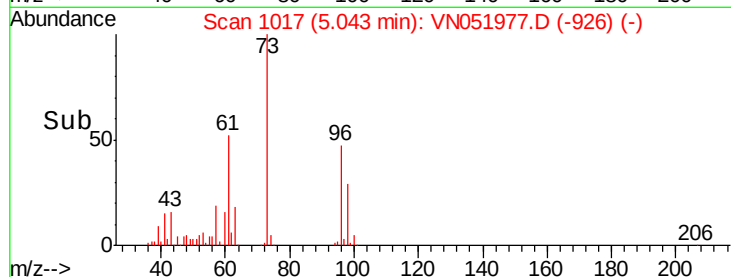
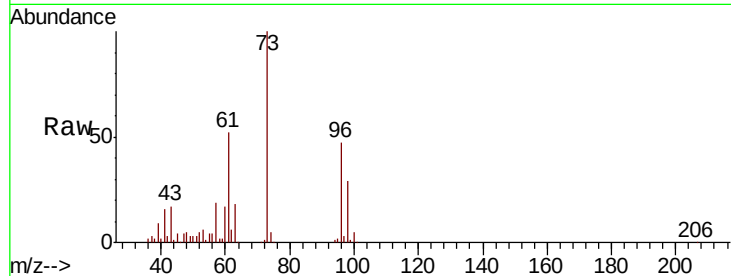
#19
Methyl tert-butyl Ether
Concen: 19.582 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion: 73 Resp: 422727
Ion Ratio Lower Upper
73 100
57 19.3 15.9 23.9

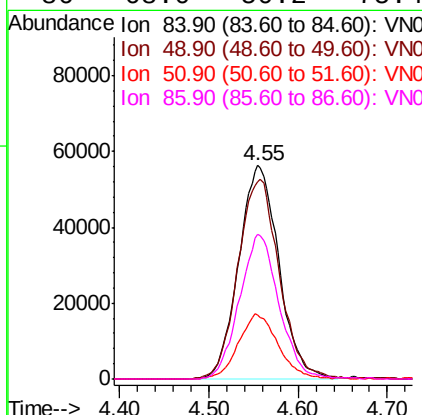
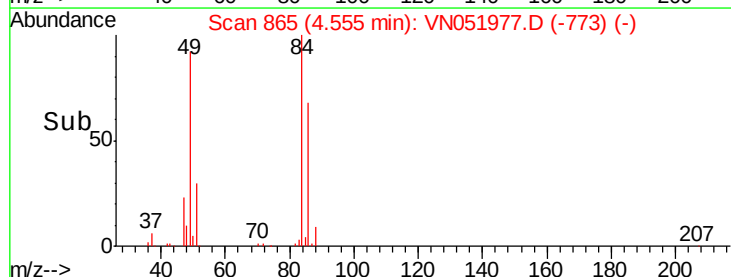
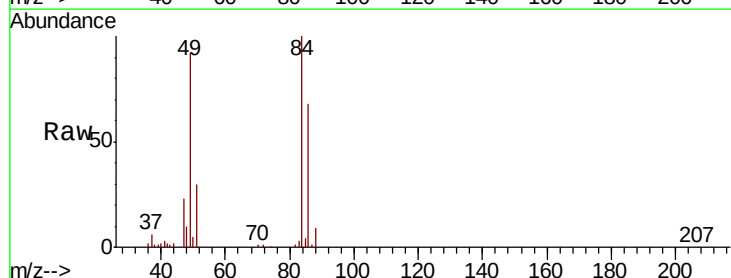
Manual Integrations
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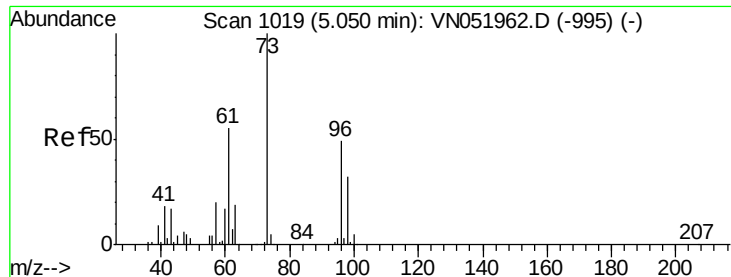
apatel
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#20
Methylene Chloride
Concen: 18.620 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 84 Resp: 176035
Ion Ratio Lower Upper
84 100
49 92.2 75.4 113.0
51 30.2 23.1 34.7
86 68.0 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.340 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

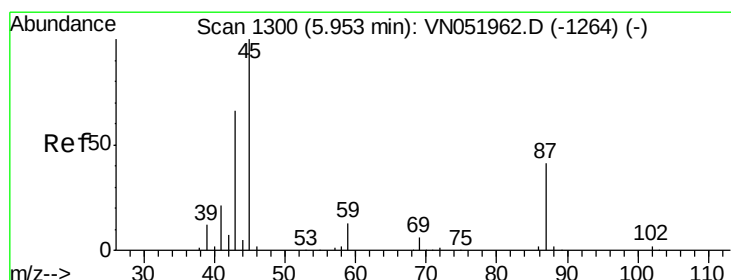
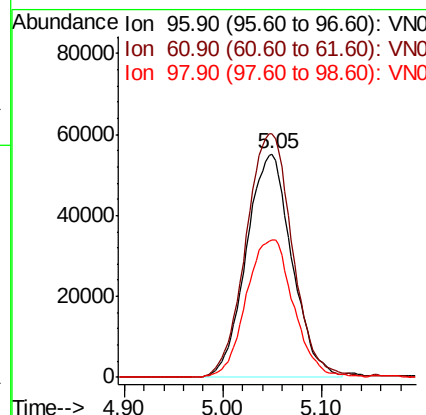
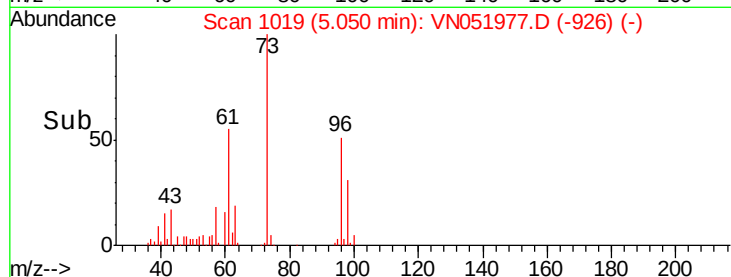
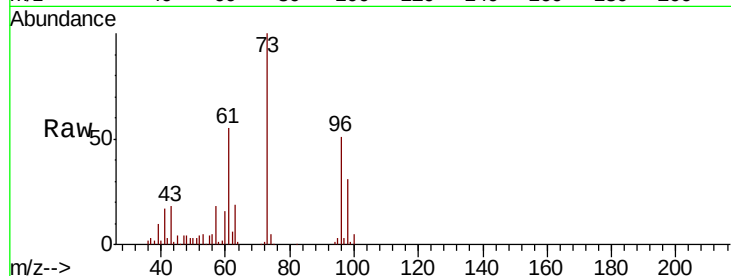
ClientSampleId :

VN1024WBSD01

Tot Ion:	96	Resp:	176117
Ion	Ratio	Lower	Upper
96	100		
61	109.0	89.0	133.4
98	61.6	51.8	77.8

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#22

Diisopropyl ether

Concen: 19.747 ug/l

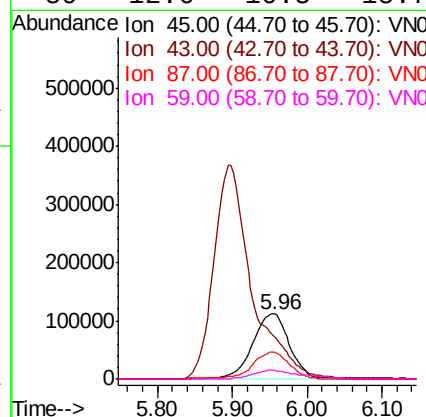
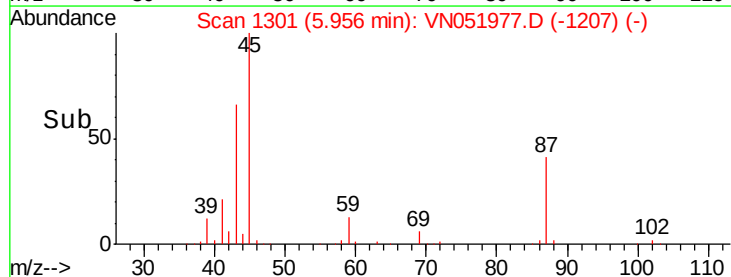
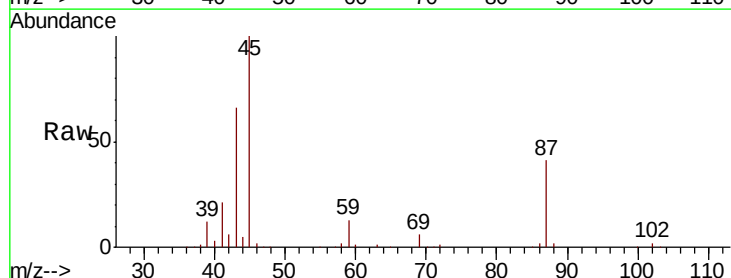
RT: 5.96 min Scan# 1301

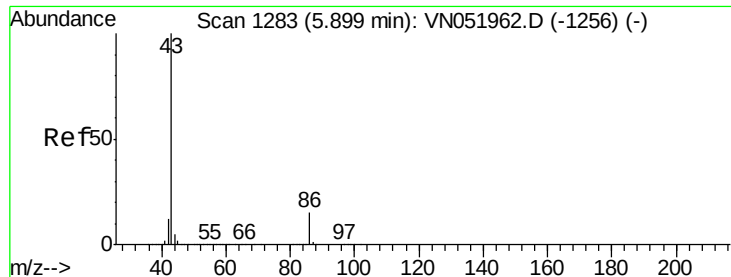
Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion:	45	Resp:	384411
Ion	Ratio	Lower	Upper
45	100		
43	63.9	52.9	79.3
87	40.4	33.4	50.0
59	12.6	10.5	15.7





#23

Vinyl Acetate

Concen: 98.343 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 1302274

Ion Ratio Lower Upper

43 100

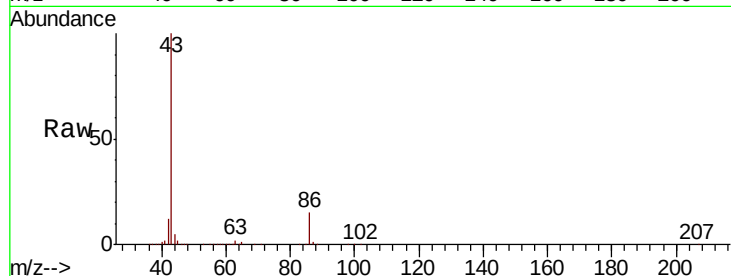
86 14.7 11.9 17.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

300000

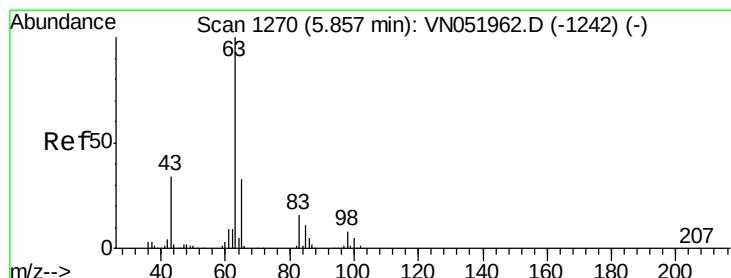
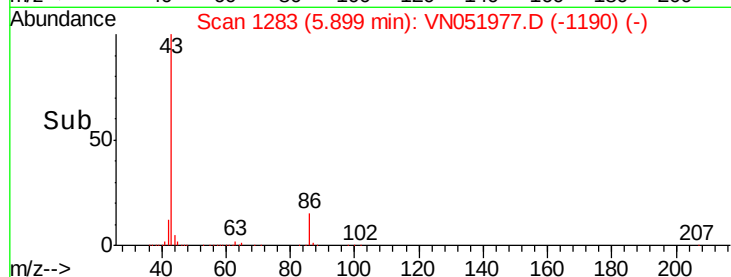
200000

100000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 19.376 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

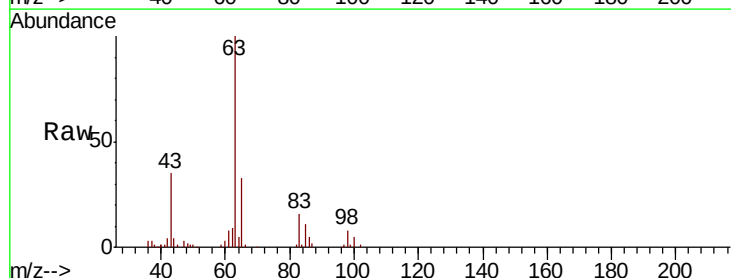
Tgt Ion: 63 Resp: 275374

Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.7

100 5.4 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

100000

80000

60000

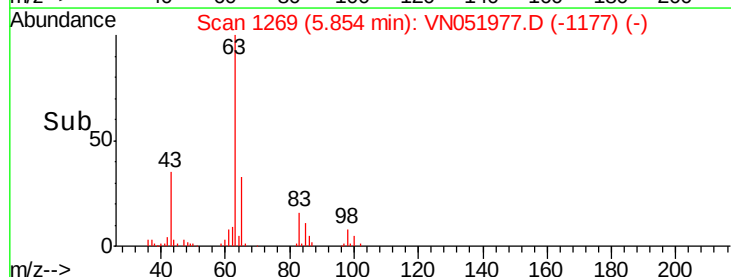
40000

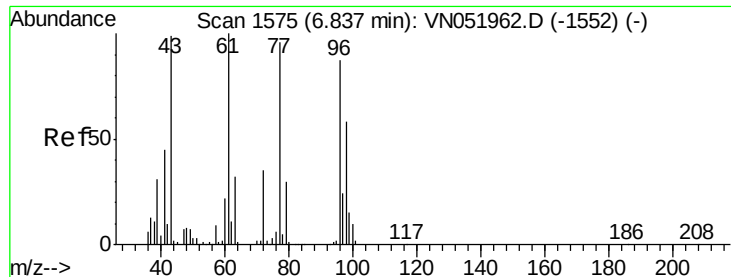
20000

0

5.70 5.80 5.90

Time-->





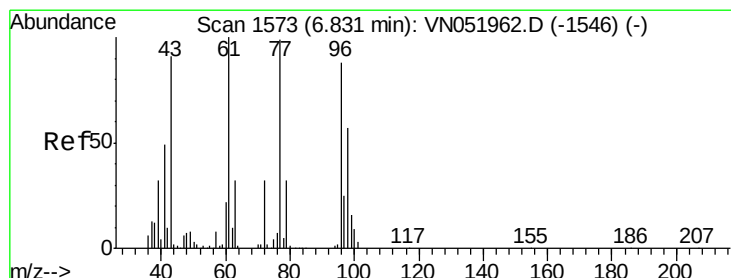
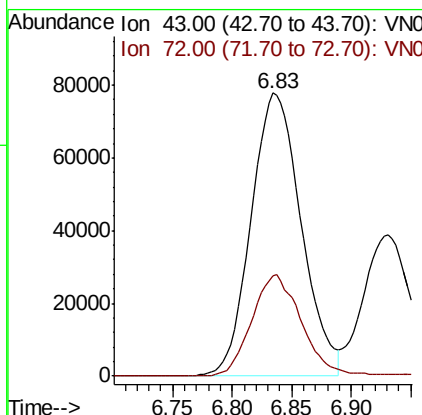
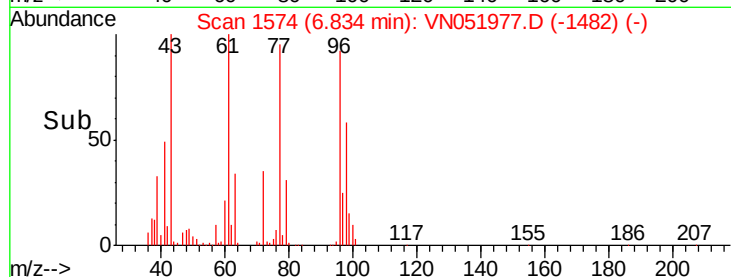
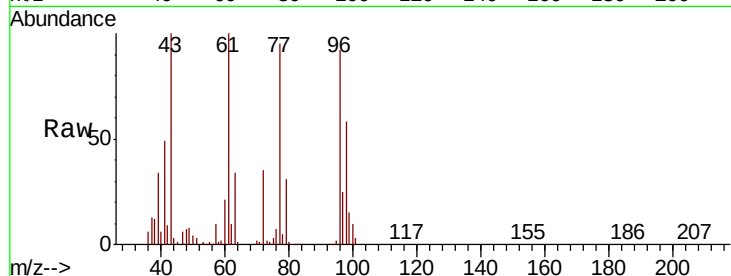
#25
2-Butanone
Concen: 98.322 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion: 43 Resp: 225893
Ion Ratio Lower Upper
43 100
72 35.4 28.5 42.7

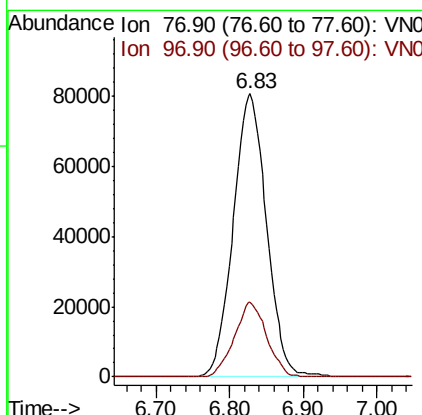
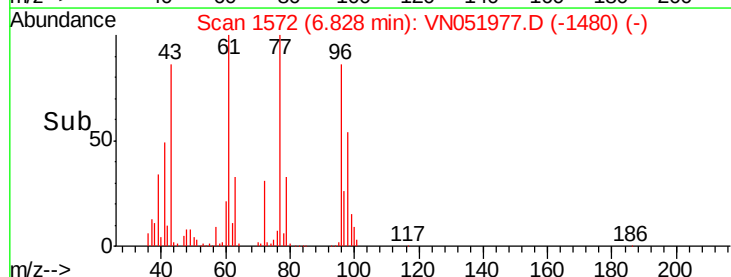
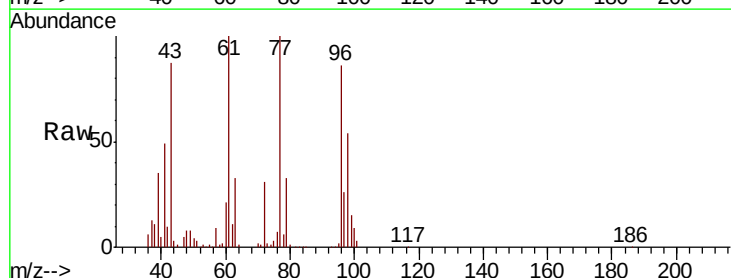
Manual Integrations
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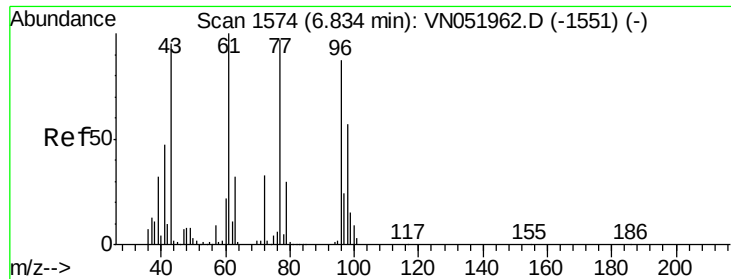
apatel
10/25/2018 9:23:41 AM



#26
2,2-Dichloropropane
Concen: 19.505 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion: 77 Resp: 253617
Ion Ratio Lower Upper
77 100
97 25.6 12.6 37.6





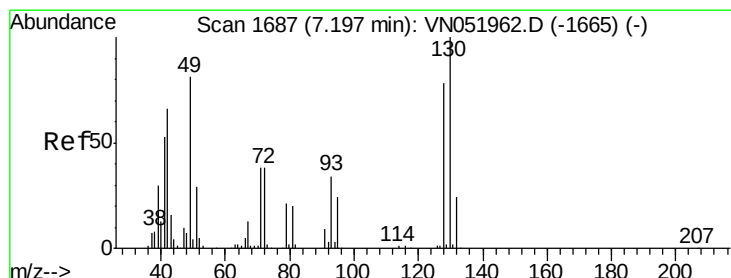
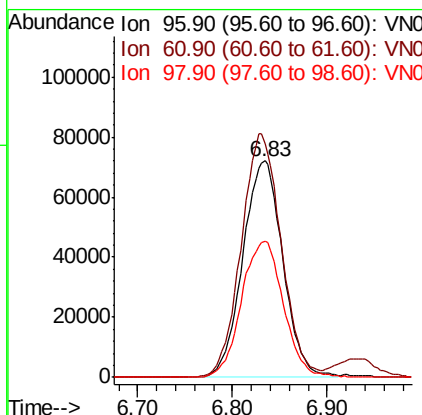
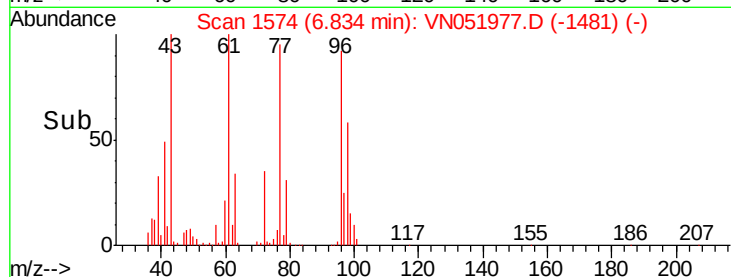
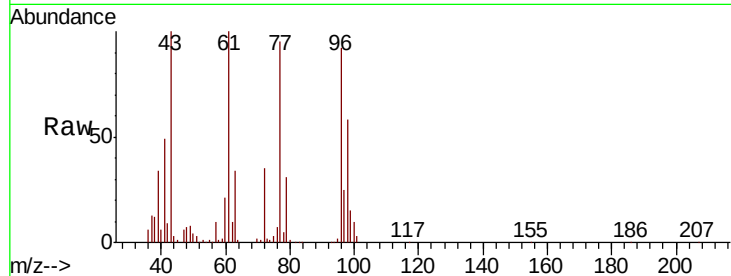
#27
 cis-1,2-Dichloroethene
 Concen: 19.915 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	211860		
61	112.5	0.0	234.4	
98	65.6	0.0	131.6	

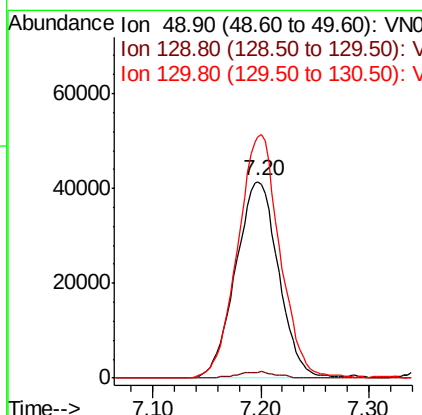
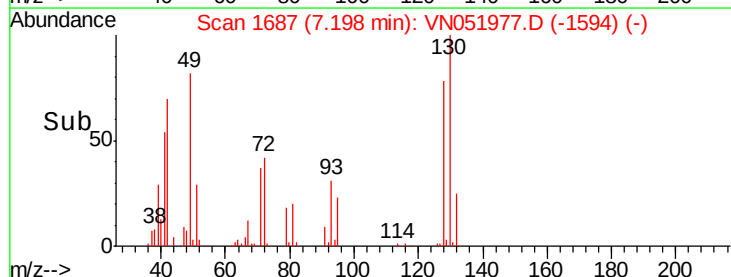
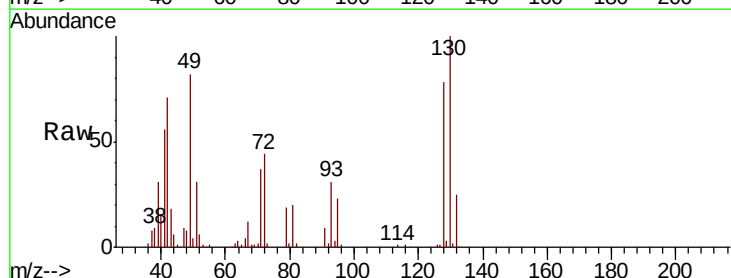
Manual Integrations
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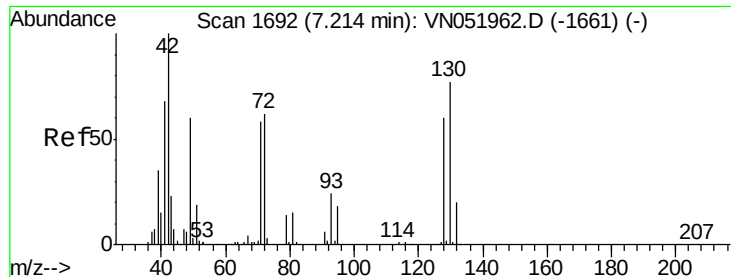
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#28
 Bromochloromethane
 Concen: 19.934 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	114179		
129	1.4	0.0	5.4	
130	121.8	97.0	145.6	





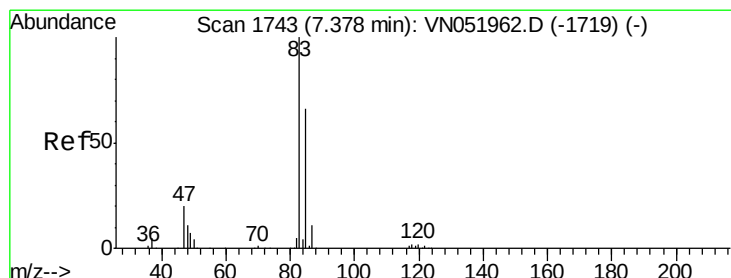
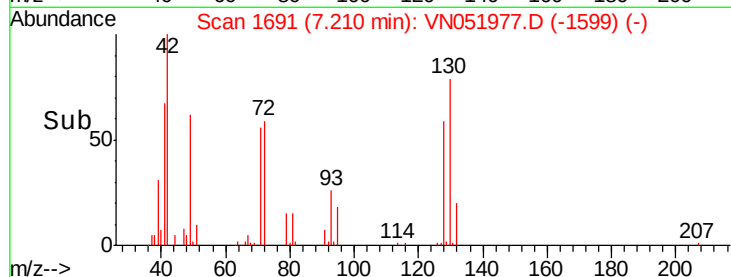
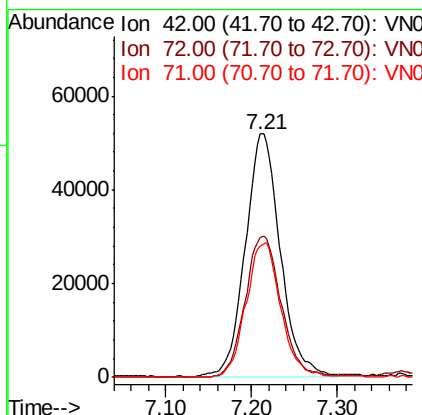
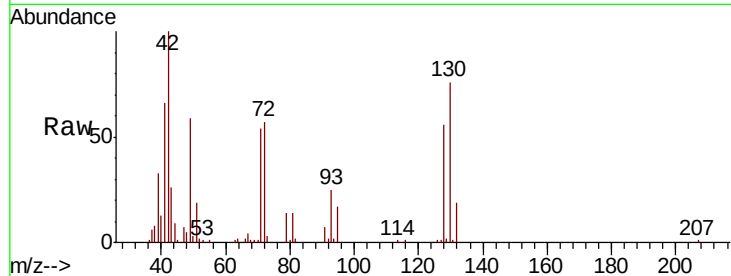
#29
Tetrahydrofuran
Concen: 95.134 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.3	47.5	71.3
71	54.6	45.4	68.2

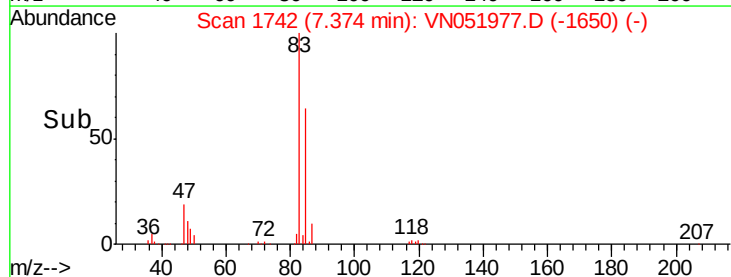
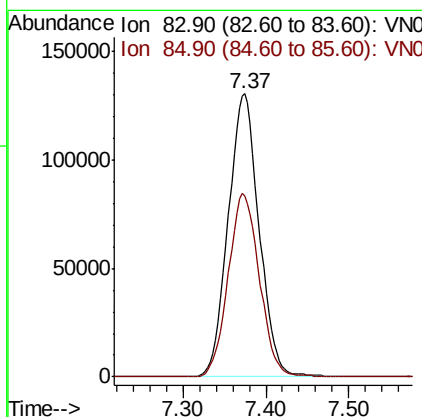
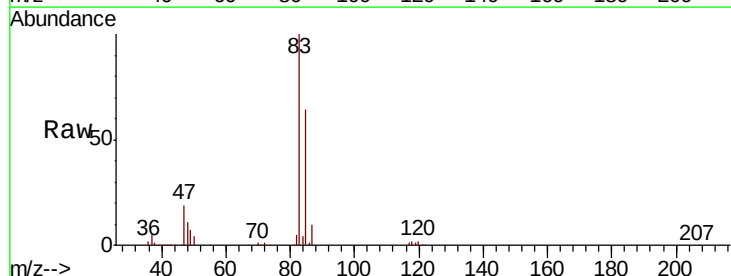
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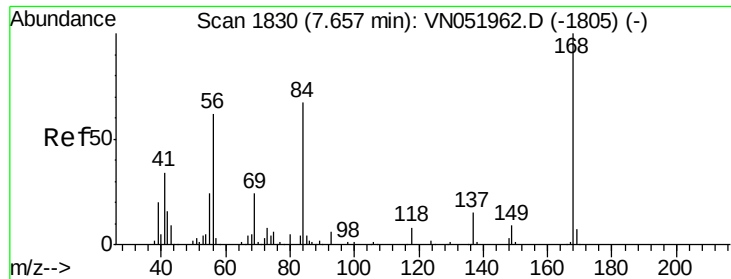
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#30
Chloroform
Concen: 19.497 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2





#31

Cyclohexane

Concen: 18.965 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

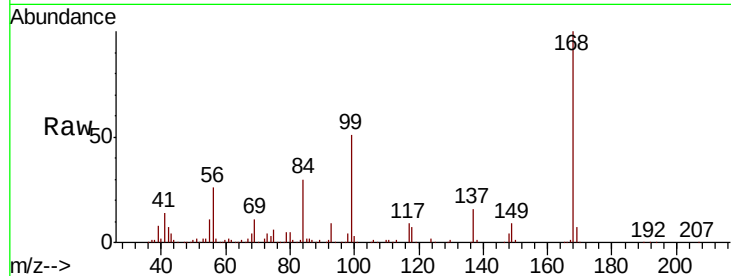
ClientSampleId :

VN1024WBSD01

Tot Ion:	56	Resp:	235011
Ion Ratio	Lower	Upper	
56	100		
69	43.8	31.2	46.8
84	114.0	86.3	129.5

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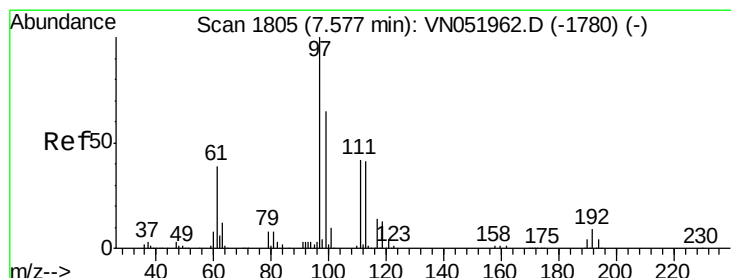
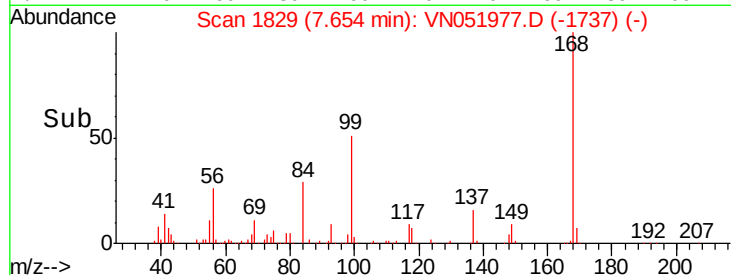
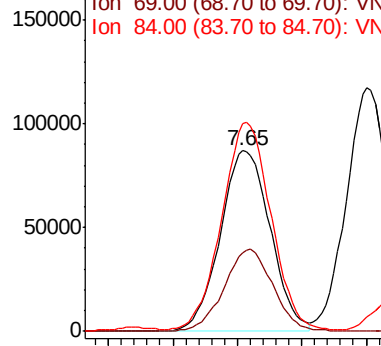


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.571 ug/l

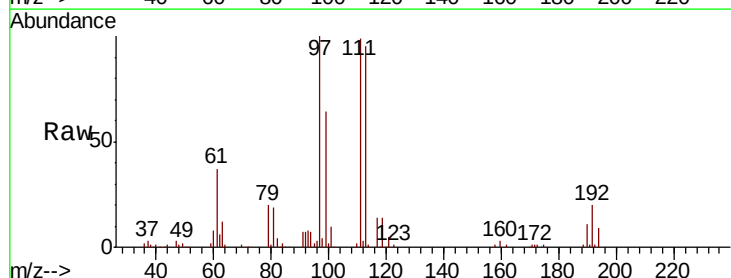
RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion:	97	Resp:	310566
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.5	77.3
61	37.4	30.1	45.1

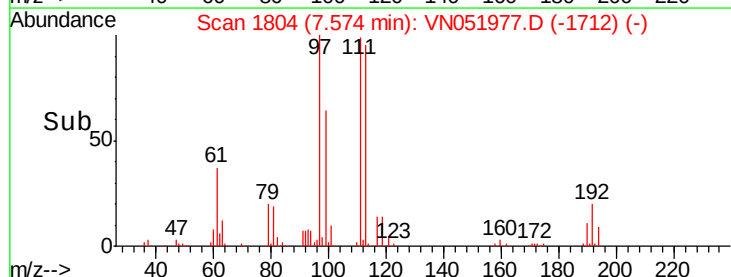
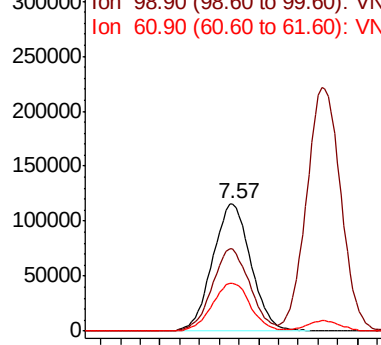


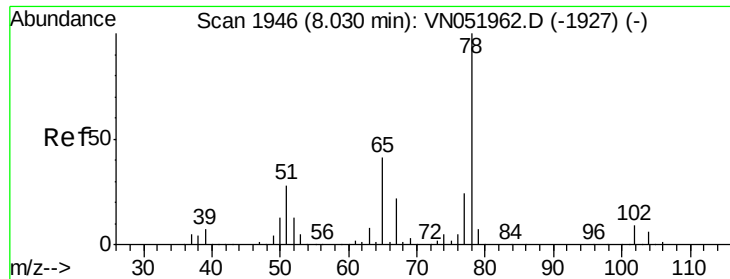
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





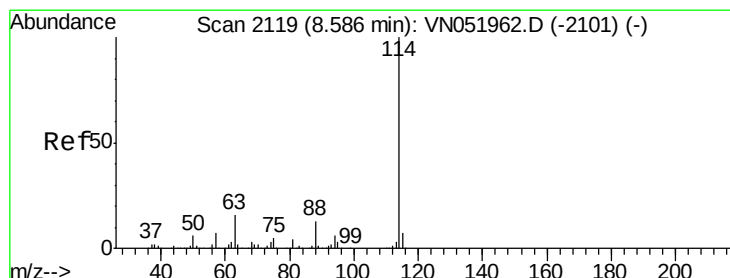
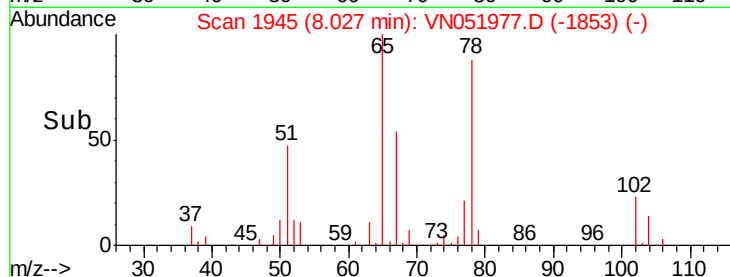
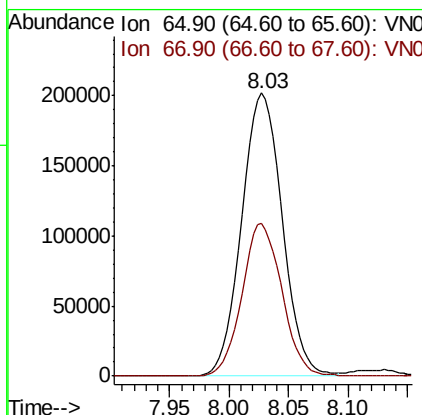
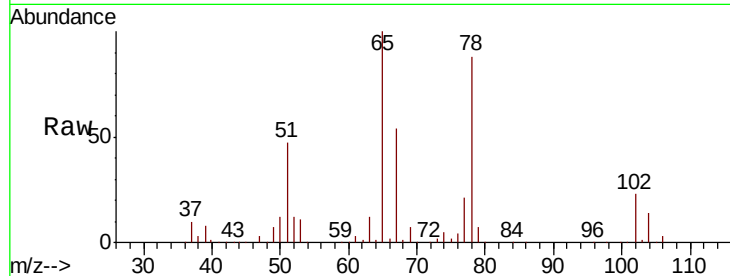
#33
 1,2-Dichloroethane-d4
 Concen: 19.571 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

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

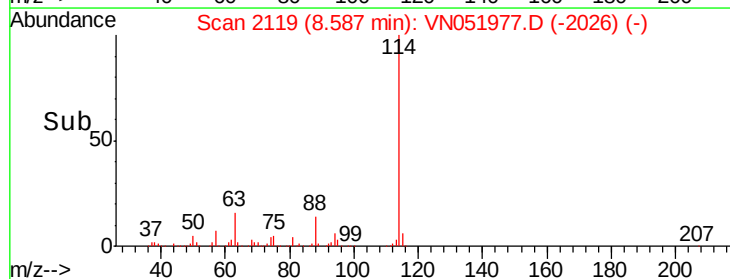
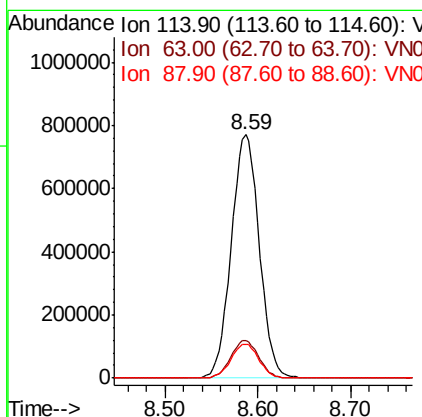
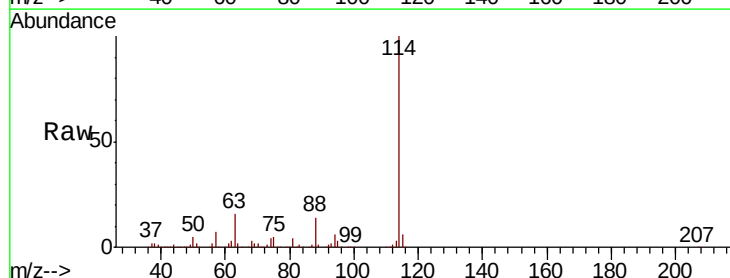
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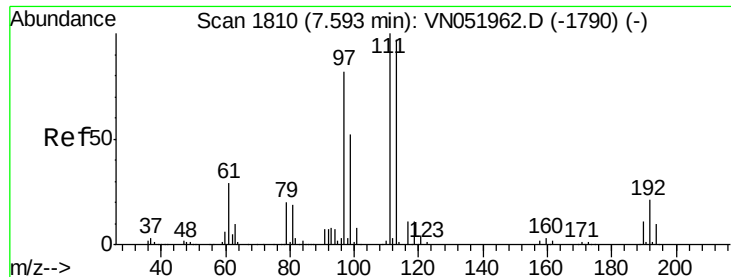
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	15.7	0.0	31.2	
88	14.0	0.0	27.0	





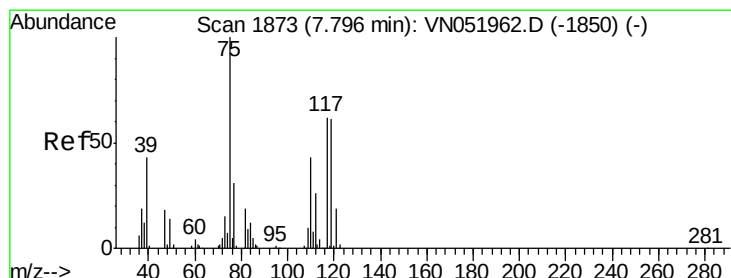
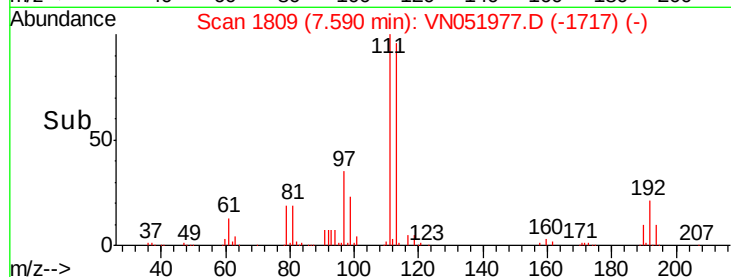
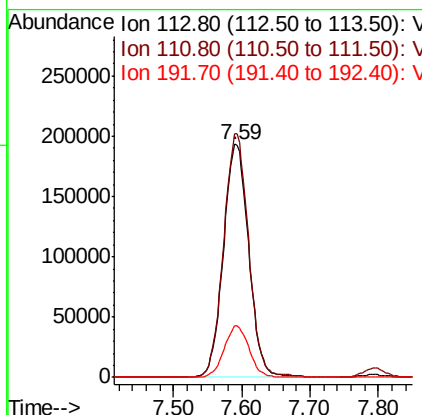
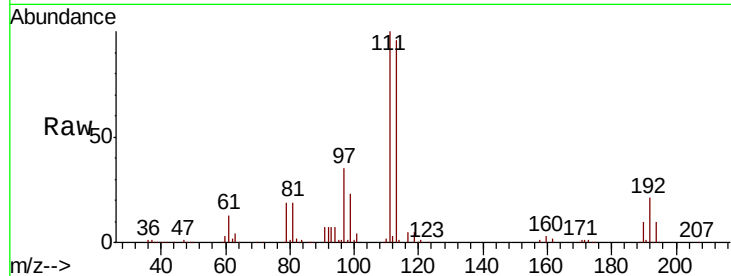
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.7	121.1
192	21.7	17.2	25.8

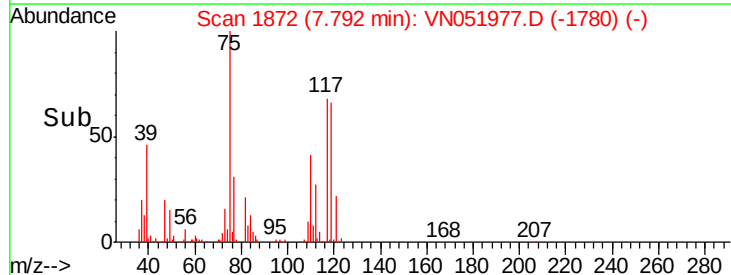
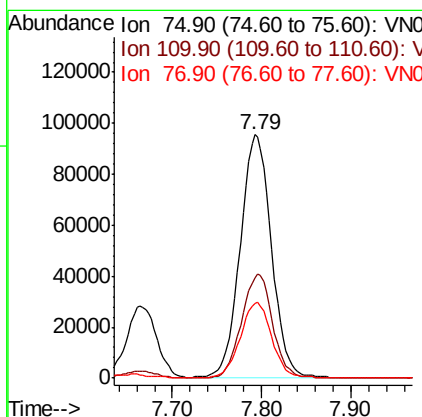
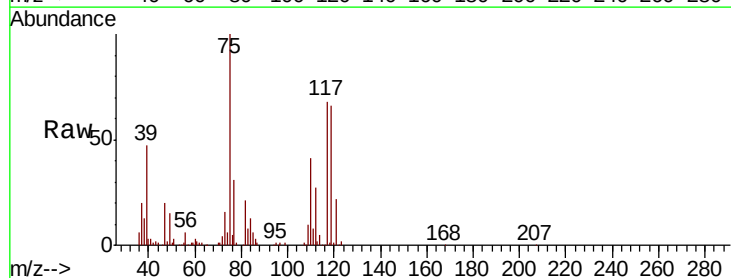
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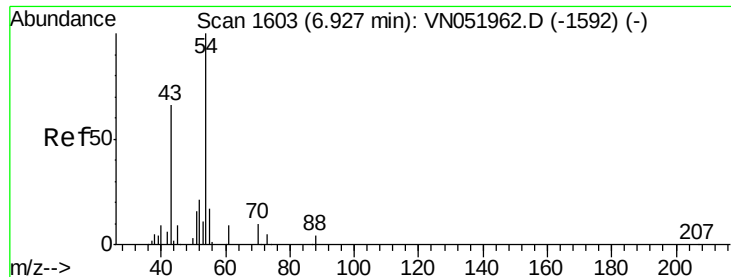
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#36
1,1-Dichloropropene
Concen: 18.749 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.6	20.9	62.8
77	31.5	24.9	37.3





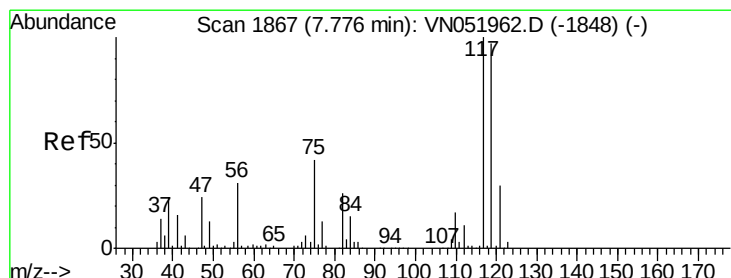
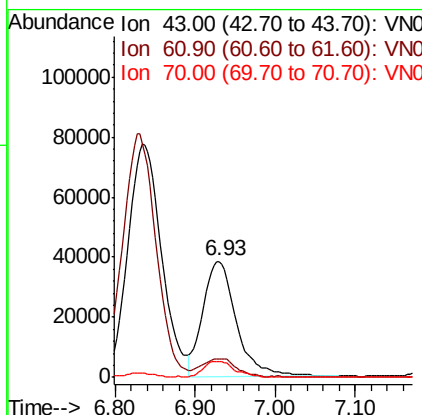
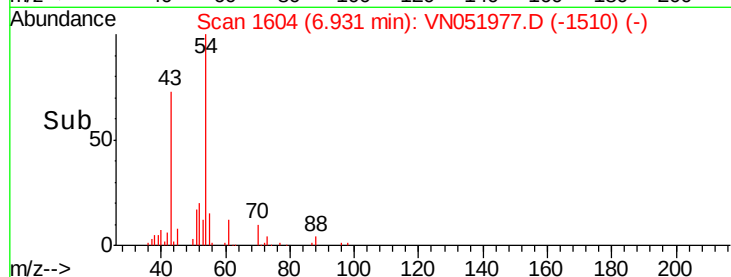
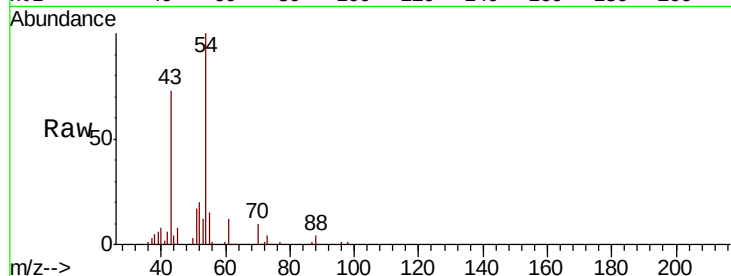
#37
Ethyl Acetate
Concen: 18.876 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	13.5	20.3
70	13.4	9.8	14.6

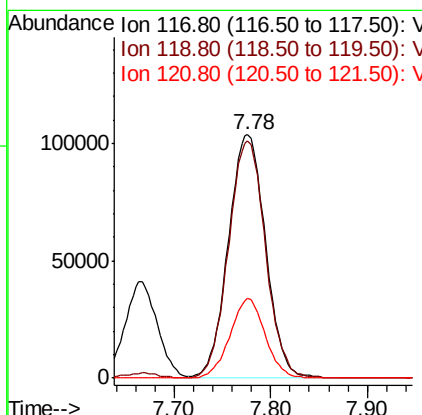
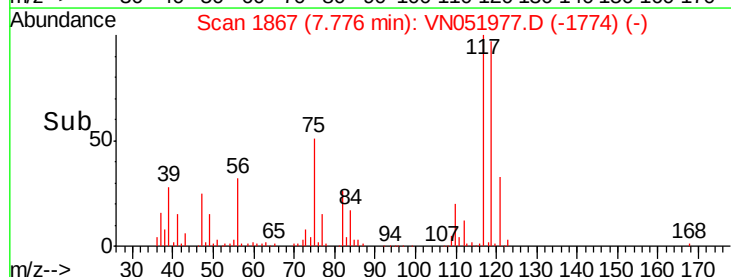
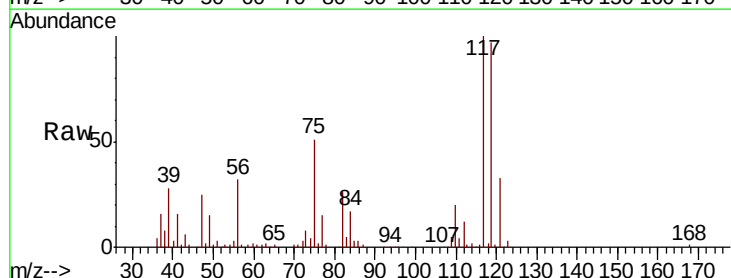
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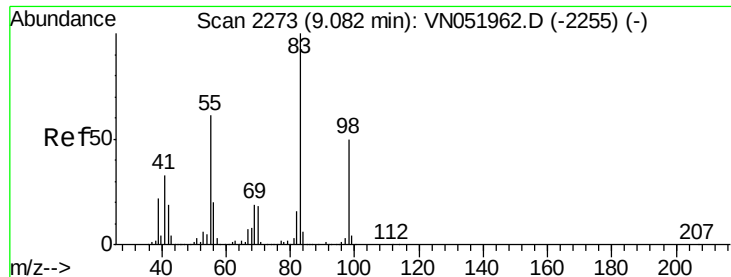
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#38
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	77.4	116.0
121	32.9	24.2	36.4





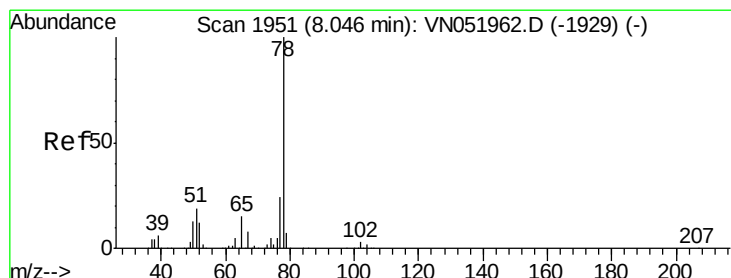
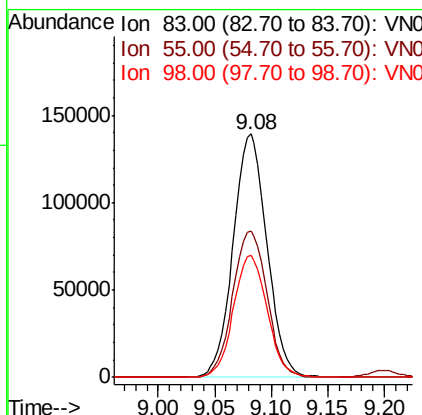
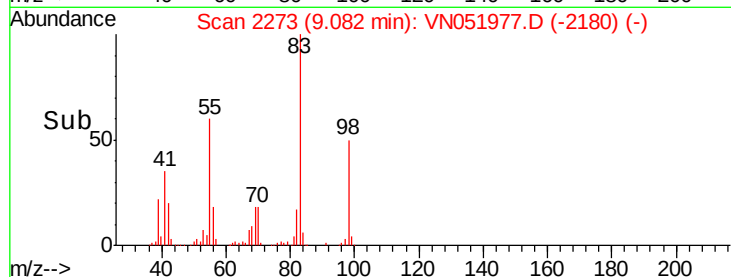
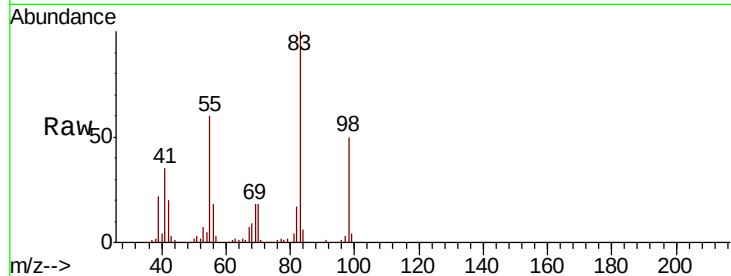
#39
Methylvlcyclohexane
Concen: 19.180 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	289959		
55	60.0		48.9	73.3
98	49.9		40.2	60.2

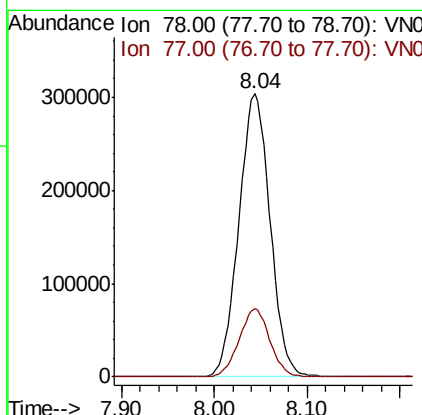
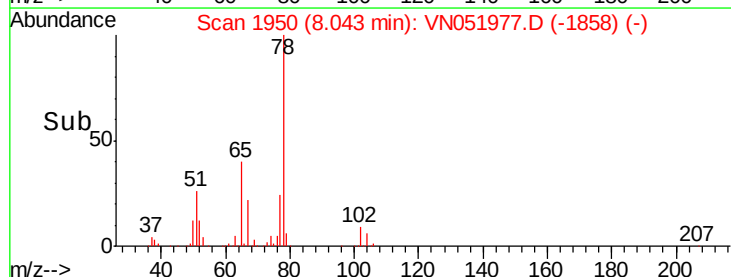
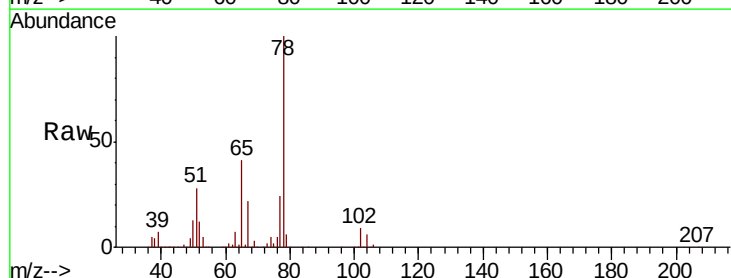
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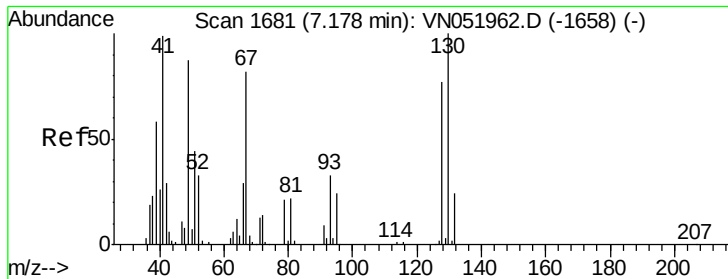
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#40
Benzene
Concen: 19.362 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	711541		
77	24.0		19.4	29.0





#41

Methacrylonitrile

Concen: 19.331 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

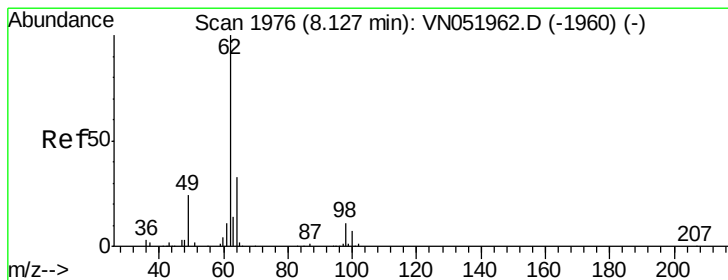
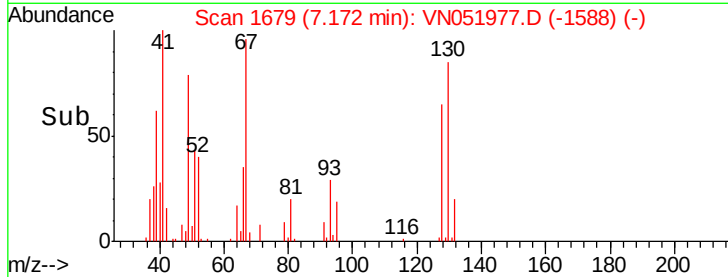
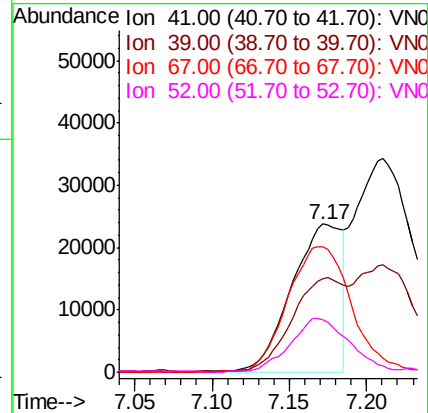
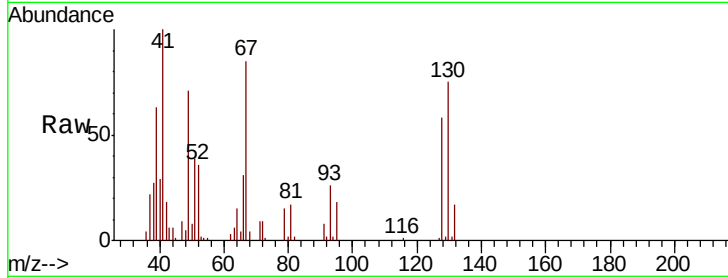
ClientSampleId :

VN1024WBSD01

Tot Ion	41	Resp	53767
Ion Ratio	Lower	Upper	
41	100		
39	68.2	53.1	79.7
67	105.0	93.8	140.6
52	43.0	35.2	52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.203 ug/l

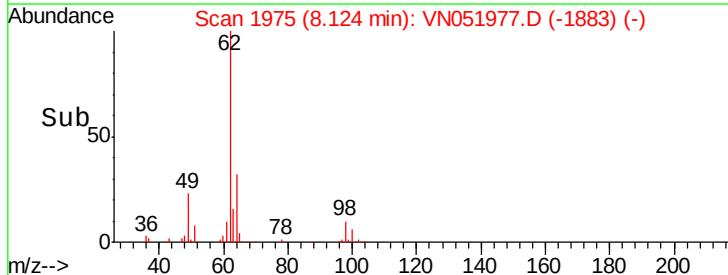
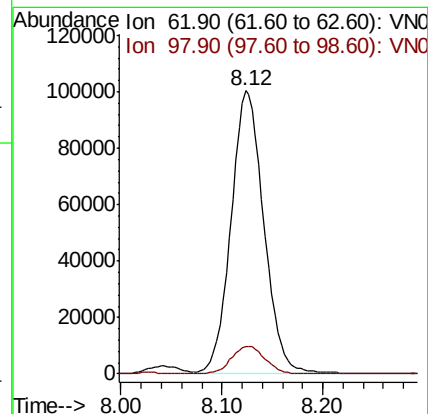
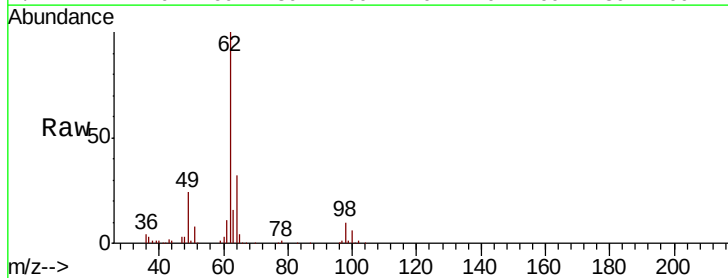
RT: 8.12 min Scan# 1975

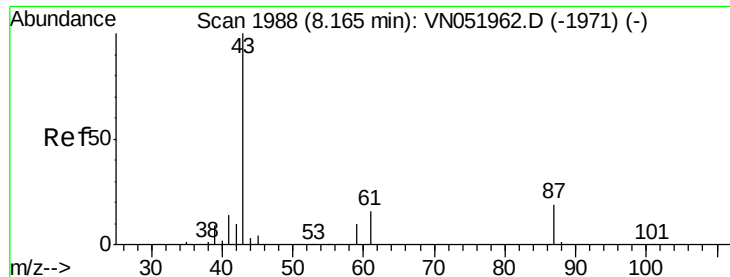
Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion	62	Resp	226270
Ion Ratio	Lower	Upper	
62	100		
98	10.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 19.373 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 200818

Ion Ratio Lower Upper

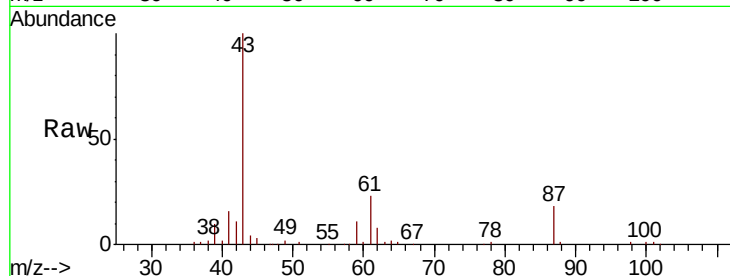
43 100

61 34.1 17.2 25.8#

87 17.4 15.2 22.8

Manual Integrations
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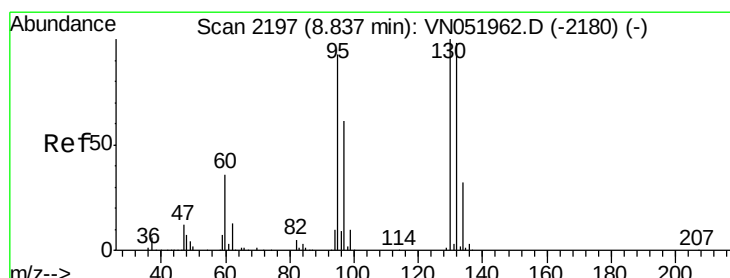
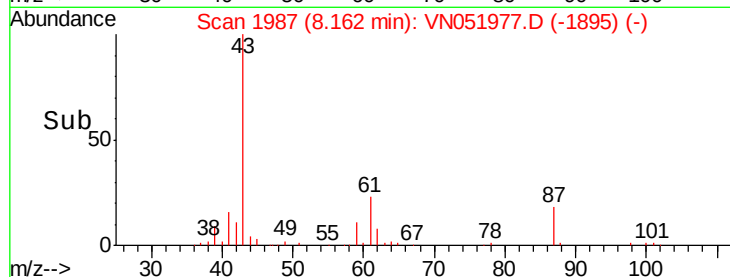
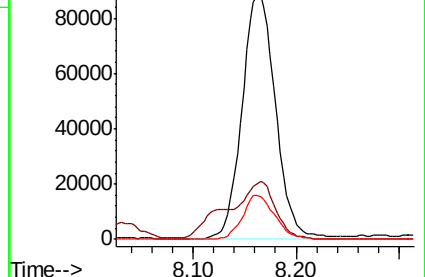
apatel
10/25/2018 9:23:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)



#44

Trichloroethene

Concen: 19.235 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051977.D

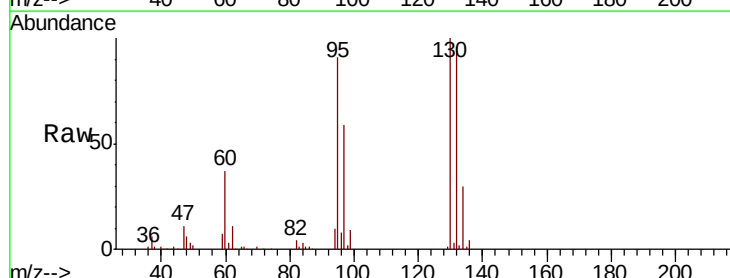
Acq: 24 Oct 2018 10:12

Tgt Ion:130 Resp: 226895

Ion Ratio Lower Upper

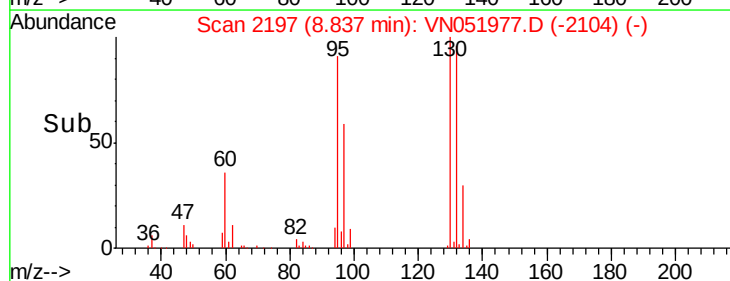
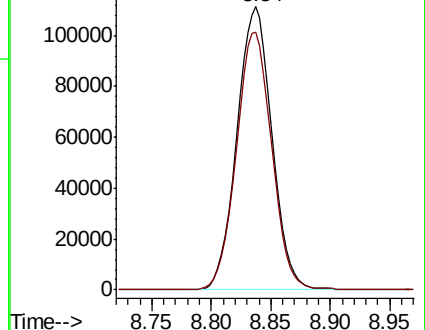
130 100

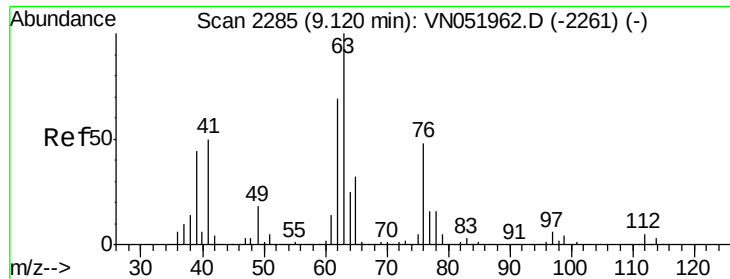
95 91.1 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN051962.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051962.D (-2180) (-)





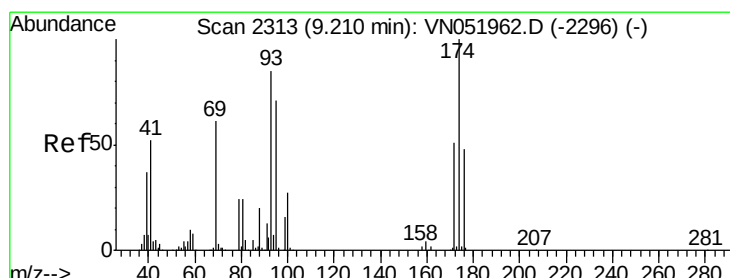
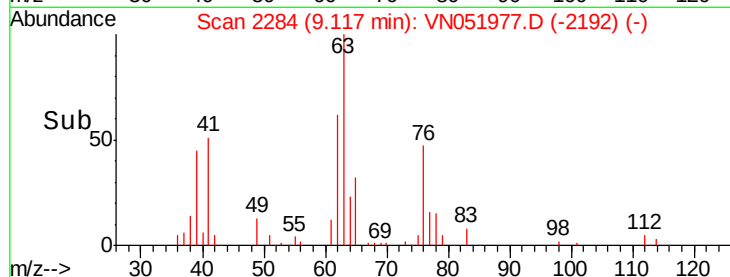
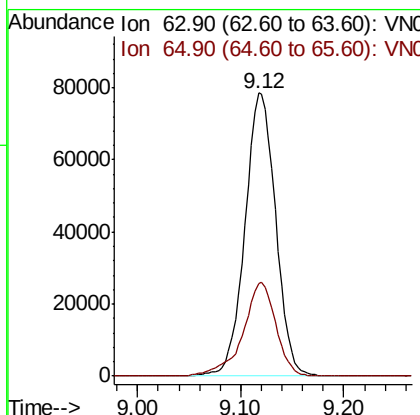
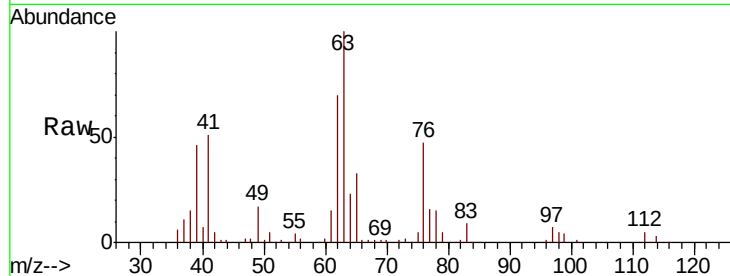
#45
 1,2-Dichloropropane
 Concen: 19.515 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion: 63 Resp: 162232
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.8 38.6

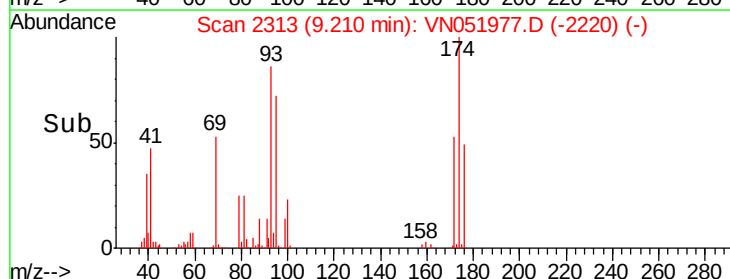
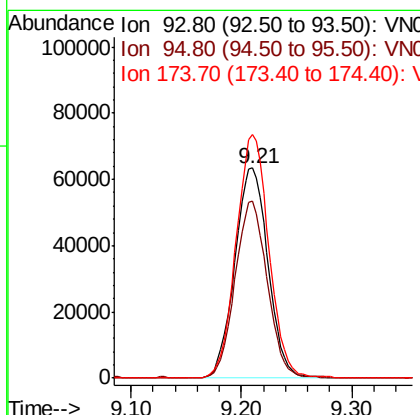
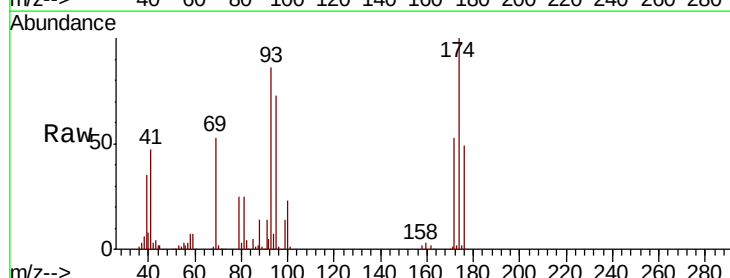
Manual Integrations
 APPROVED

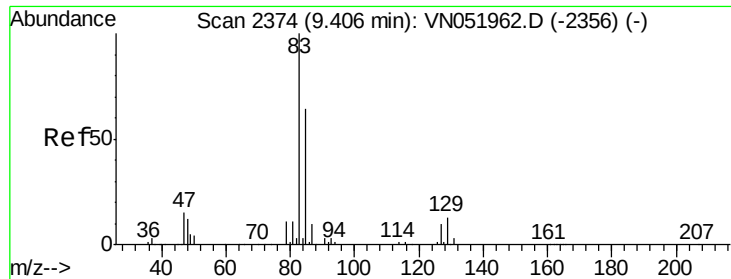
apatel
 10/25/2018 9:23:41 AM



#46
 Dibromomethane
 Concen: 19.787 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion: 93 Resp: 132604
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.7 100.1
 174 114.0 93.8 140.6





#47

Bromodichloromethane

Concen: 19.386 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

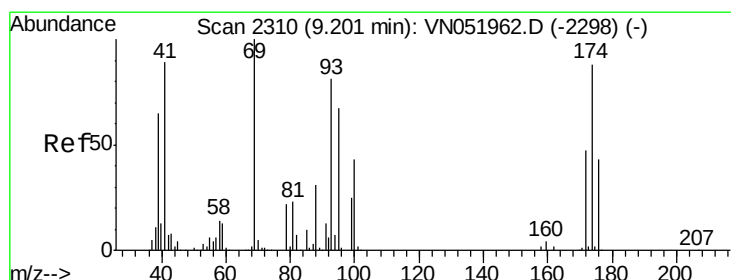
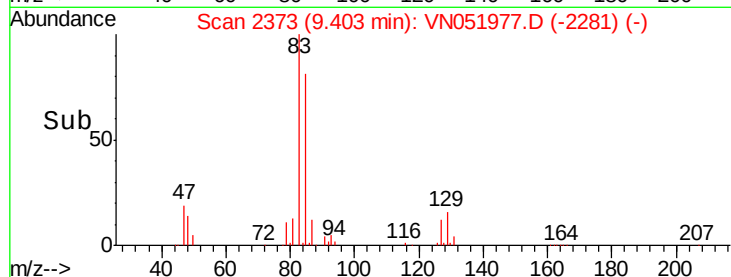
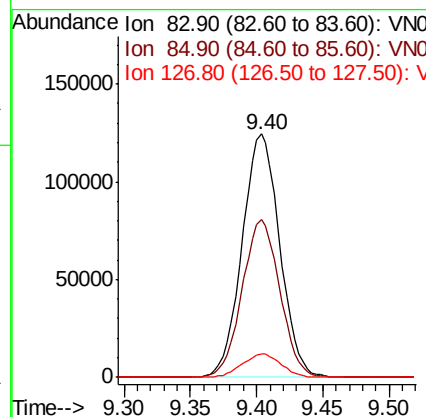
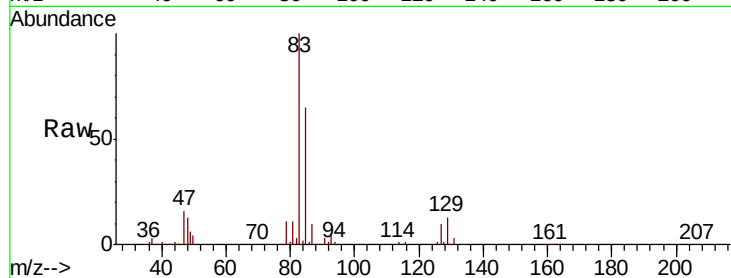
ClientSampleId :

VN1024WBSD01

Tot Ion:	83	Resp:	245353
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.4
127	9.5	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.809 ug/l

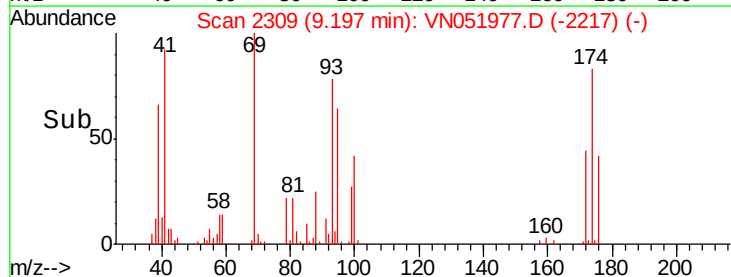
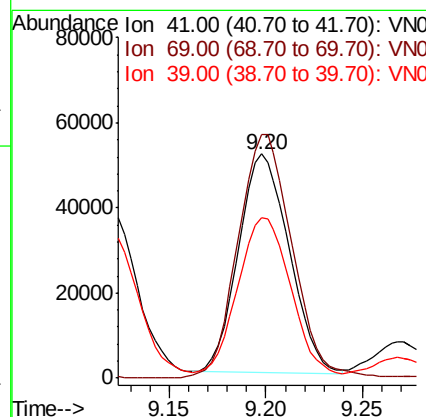
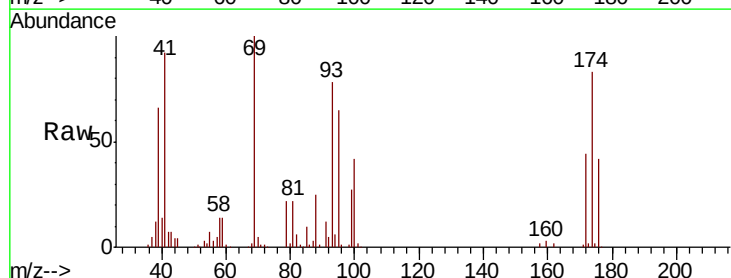
RT: 9.20 min Scan# 2309

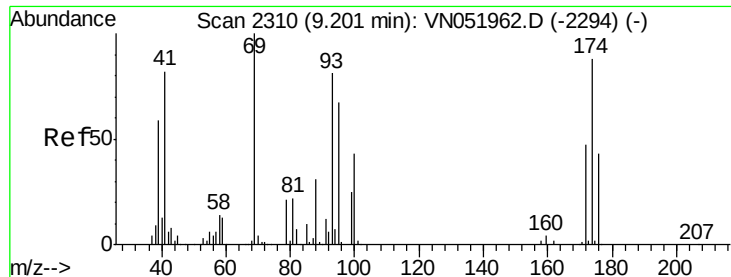
Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion:	41	Resp:	94237
Ion	Ratio	Lower	Upper
41	100		
69	118.6	92.2	138.4
39	77.1	60.2	90.4





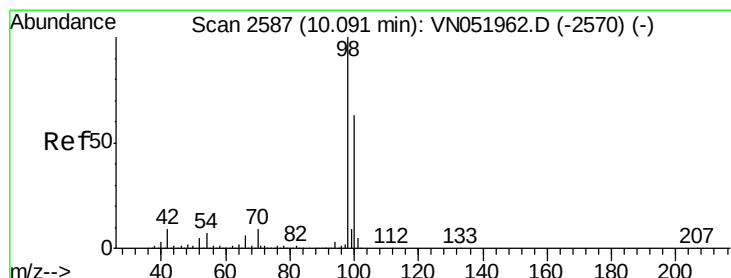
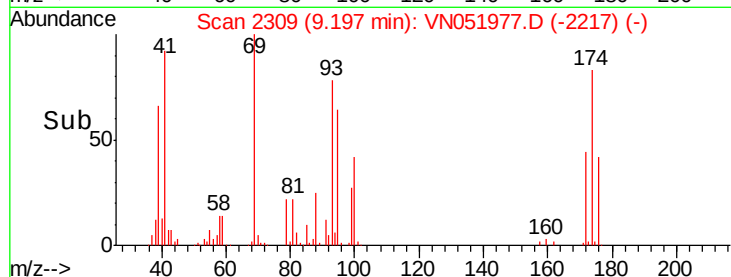
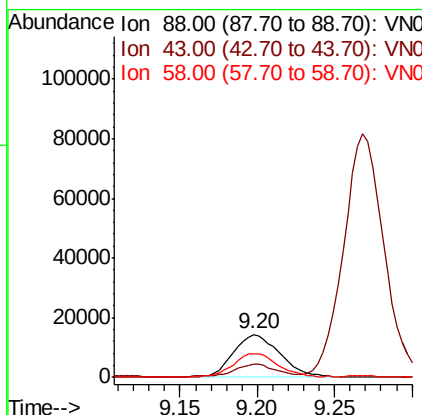
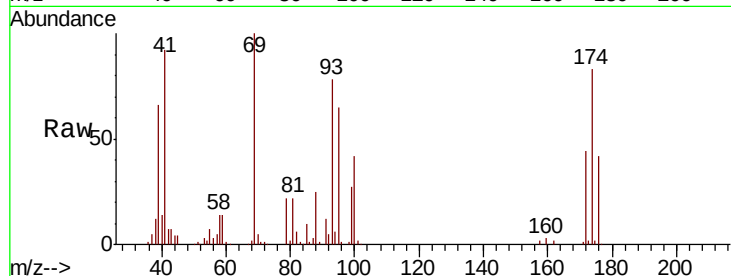
#49
1,4-Dioxane
Concen: 330.147 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	88	Resp	30331
Ion Ratio	100	Lower	Upper
88	100		
43	25.7	18.8	28.2
58	53.4	39.8	59.6

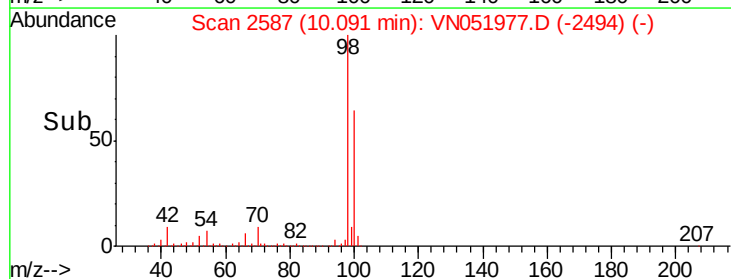
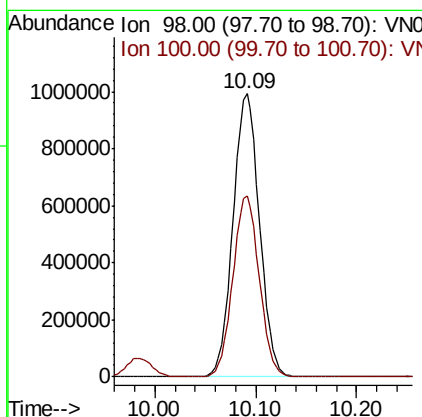
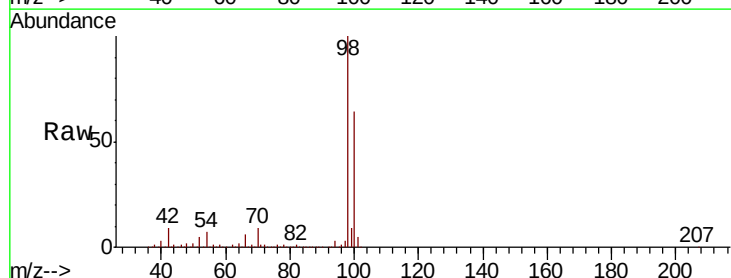
Manual Integrations
APPROVED

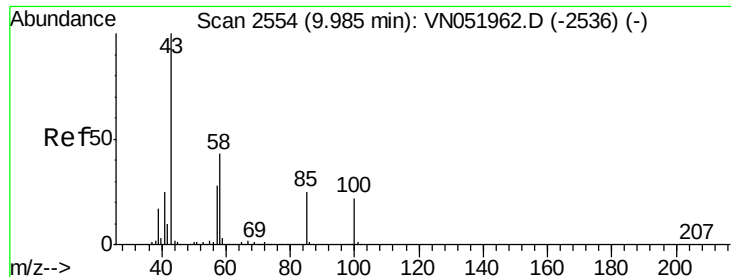
apatel
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#50
Toluene-d8
Concen: 330.147 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	98	Resp	1809209
Ion Ratio	100	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 96.350 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 43 Resp: 549375

Ion Ratio Lower Upper

43 100

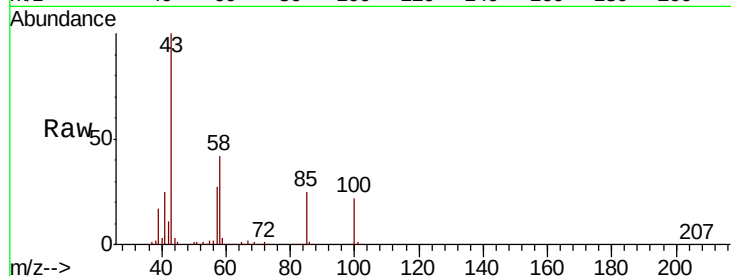
58 42.5 34.8 52.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.98

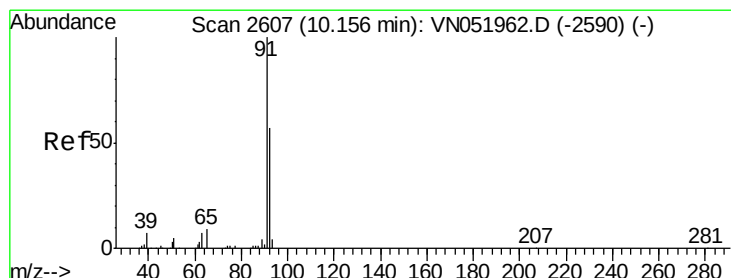
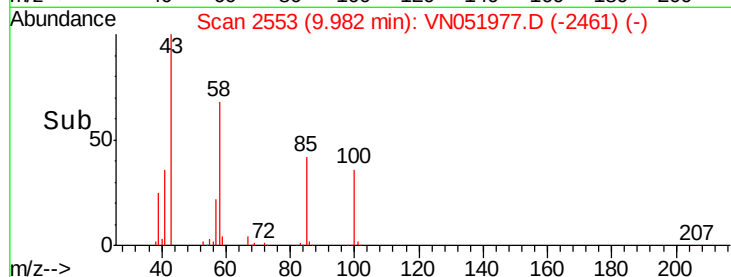
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.526 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051977.D

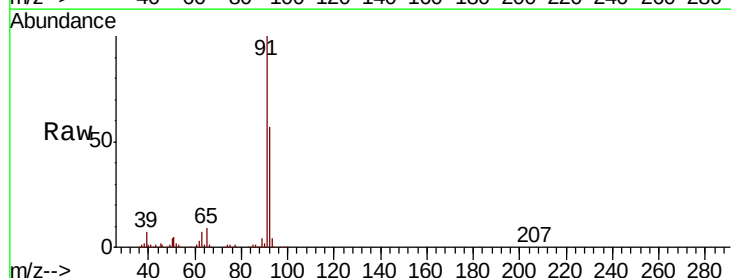
Acq: 24 Oct 2018 10:12

Tgt Ion: 92 Resp: 486609

Ion Ratio Lower Upper

92 100

91 176.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)

10.16

500000

400000

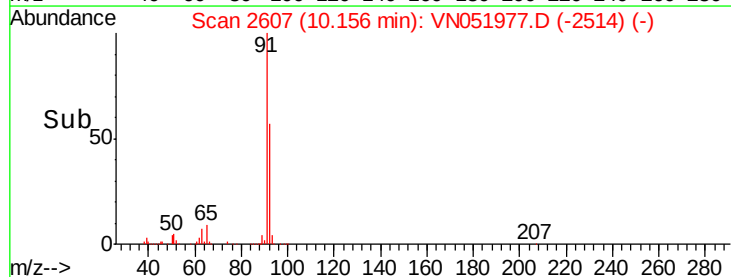
300000

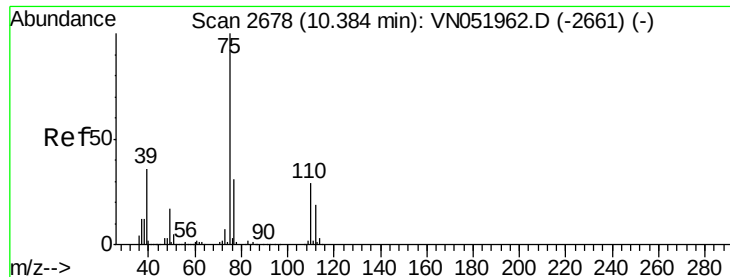
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.549 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 75 Resp: 229384

Ion Ratio Lower Upper

75 100

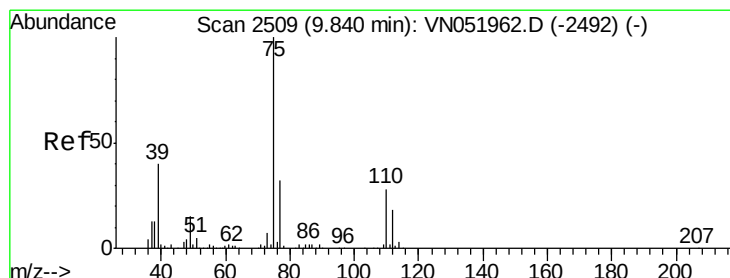
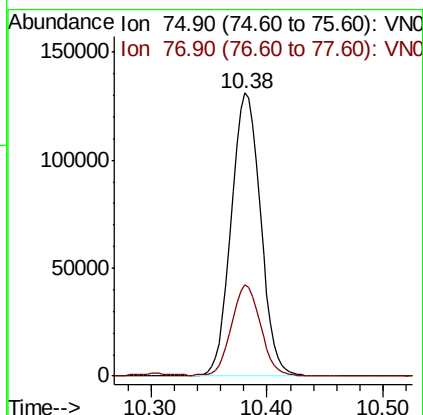
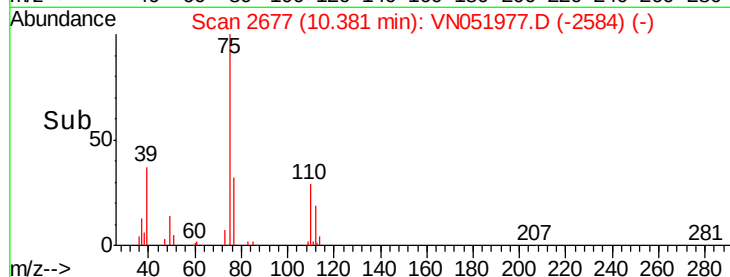
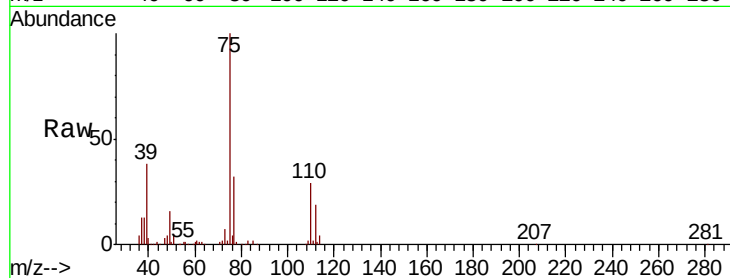
77 32.0 25.0 37.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.842 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

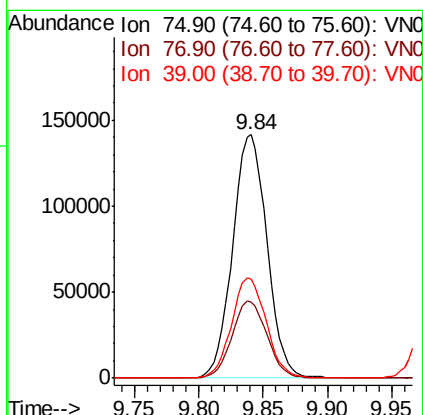
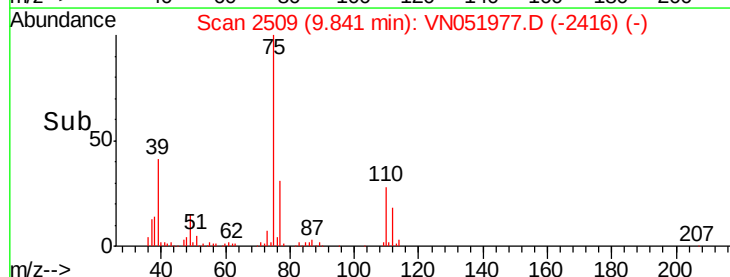
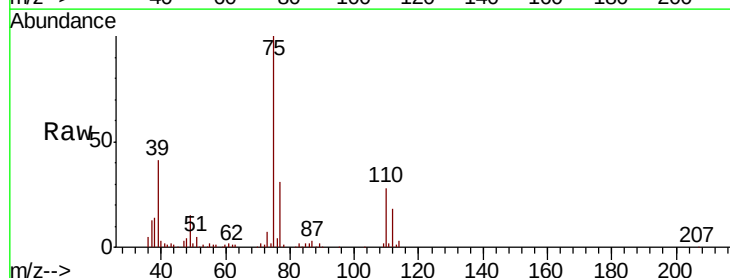
Tgt Ion: 75 Resp: 262477

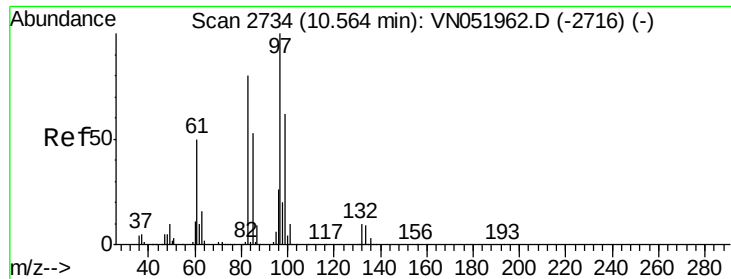
Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8

39 40.5 32.0 48.0





#55

1,1,2-Trichloroethane

Concen: 19.295 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

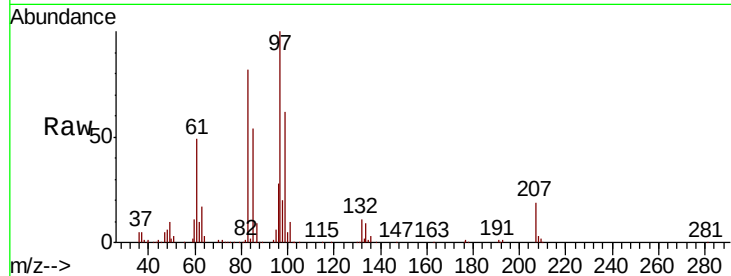
ClientSampleId :

VN1024WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		177664		
83	81.9	64.0	96.0		
85	53.9	42.4	63.6		
99	62.3	49.4	74.2		

Manual Integrations
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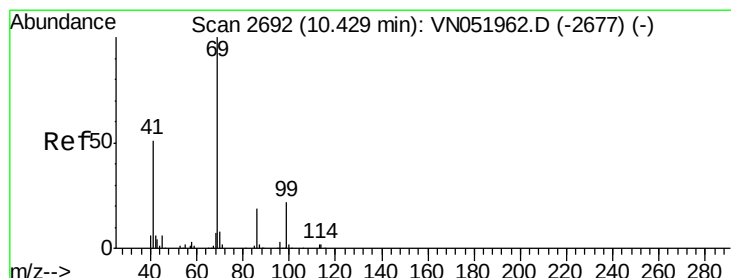
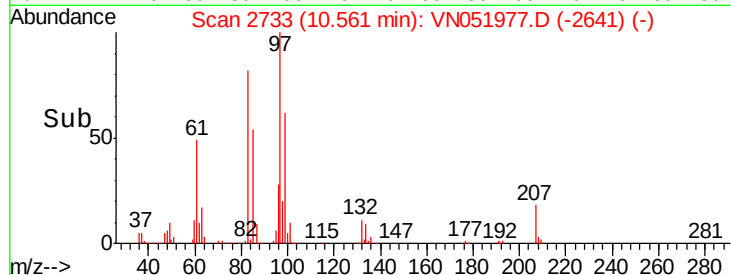
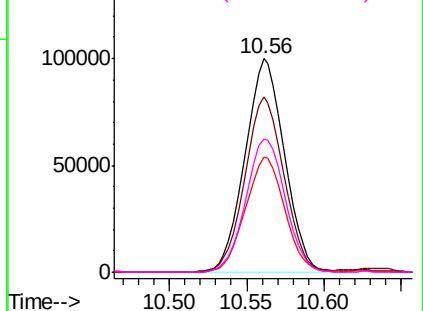
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.588 ug/l

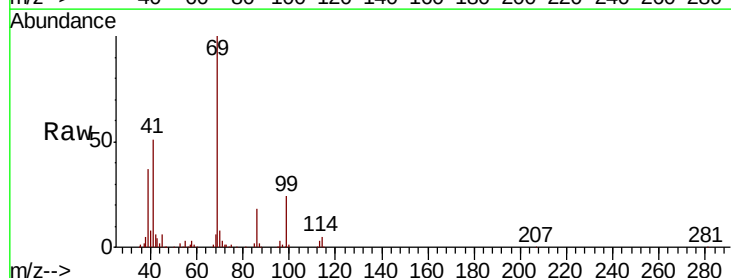
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		193873		
41	49.8	40.7	61.1		
39	36.0	29.3	43.9		

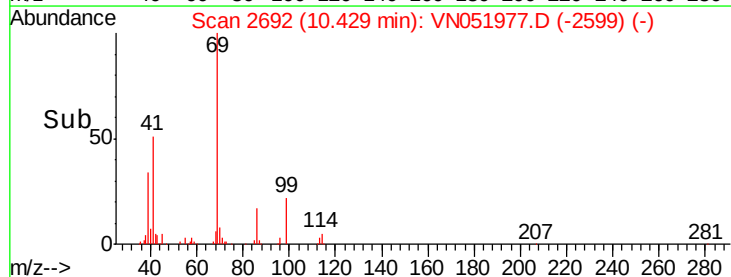
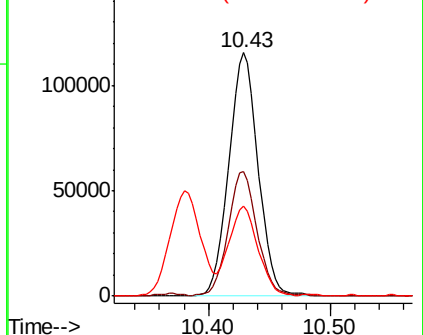


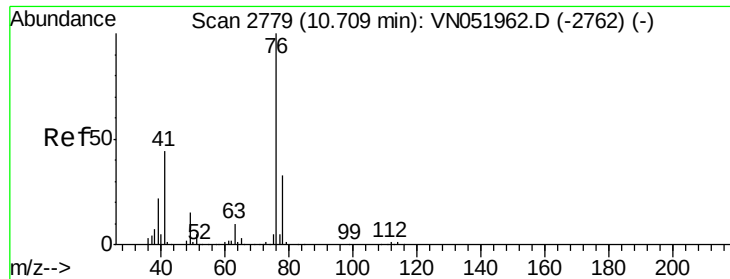
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





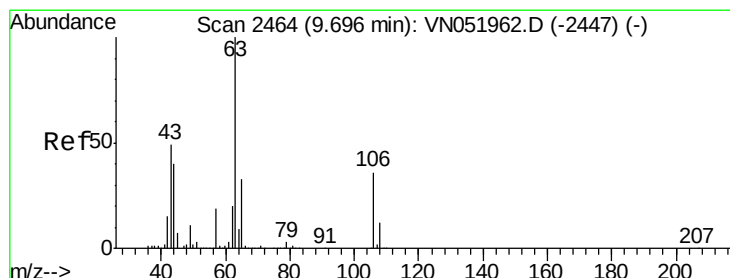
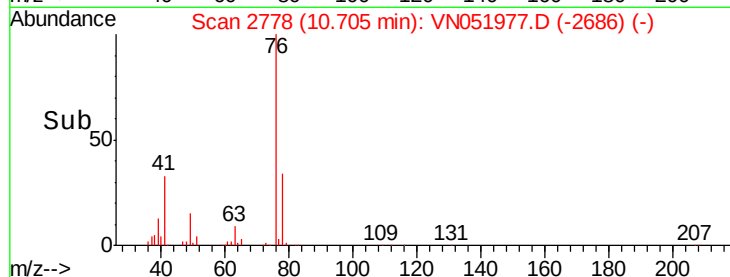
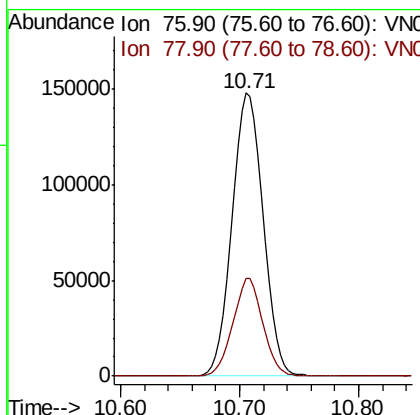
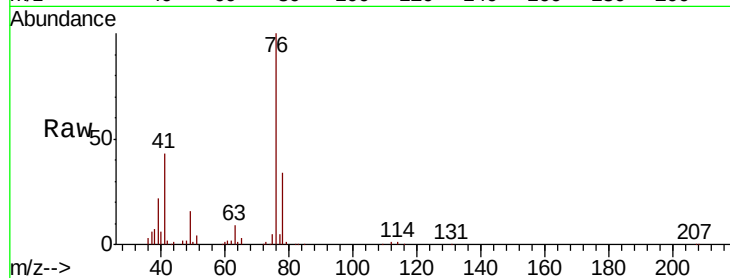
#57
 1,3-Dichloropropane
 Concen: 19.228 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.4	39.6

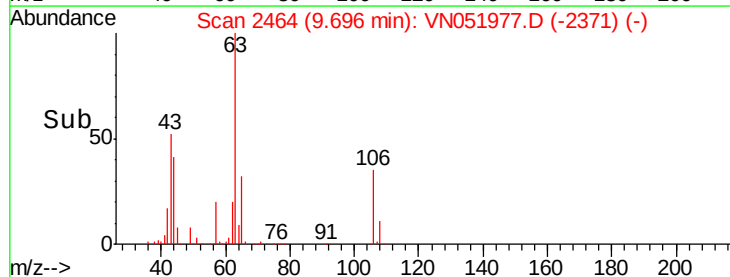
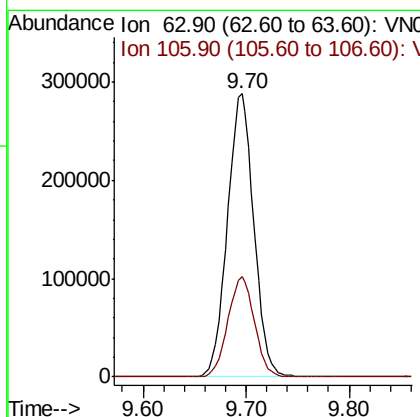
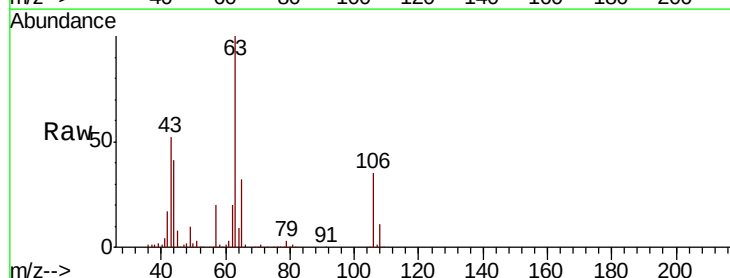
Manual Integrations
 APPROVED

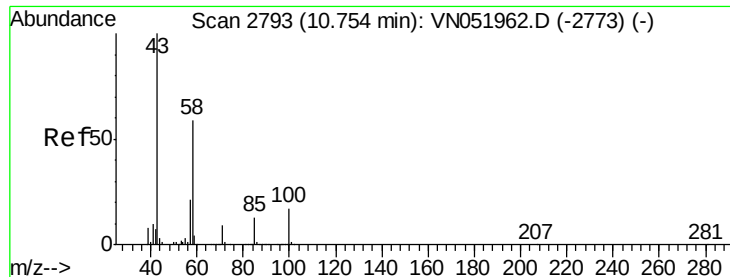
apatel
 10/25/2018 9:23:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.287 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	35.5	28.3	42.5





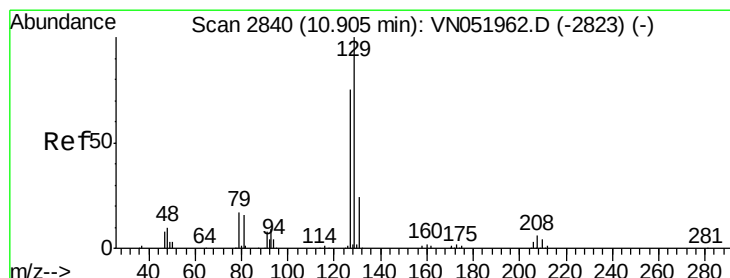
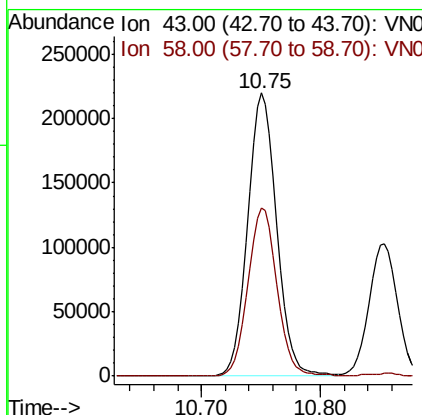
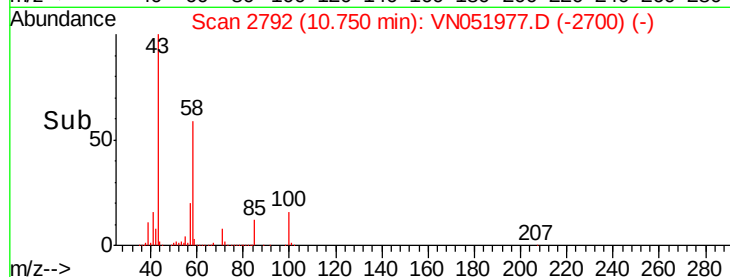
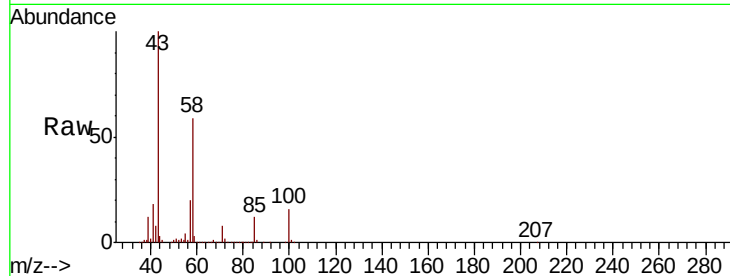
#59
2-Hexanone
Concen: 96.372 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.8	29.9	89.8

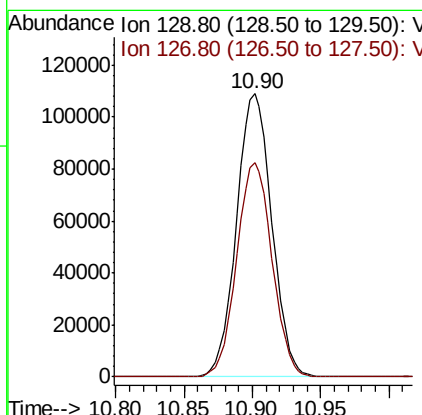
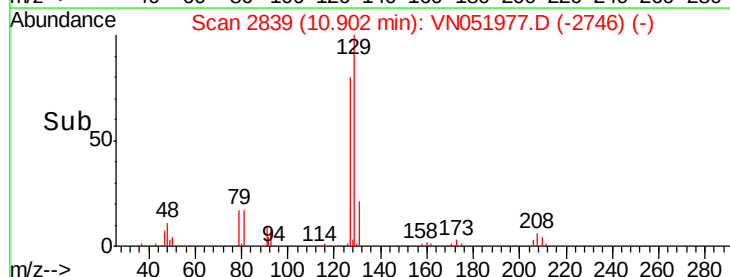
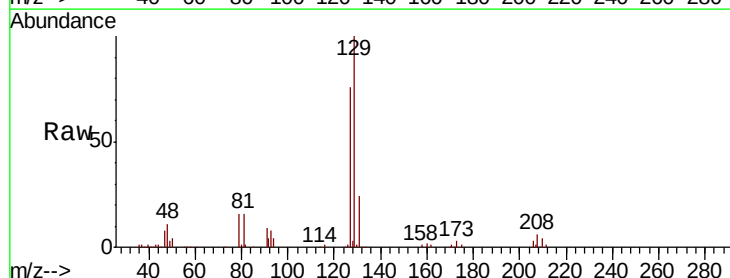
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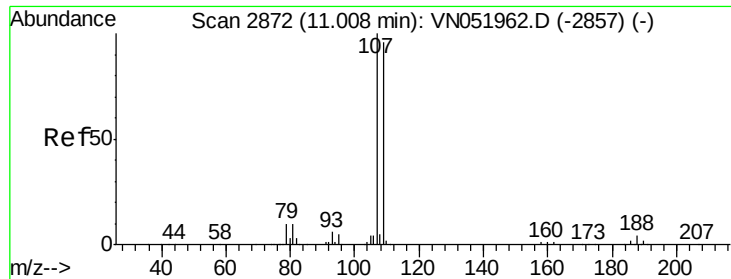
apatel
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#60
Dibromochloromethane
Concen: 17.977 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.0	114.0





#61

1,2-Dibromoethane

Concen: 19.214 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 107 Resp: 186541

Ion Ratio Lower Upper

107 100

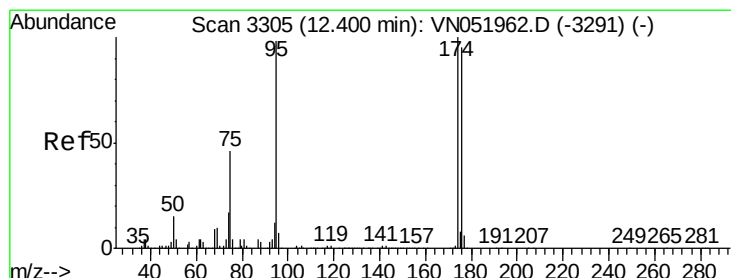
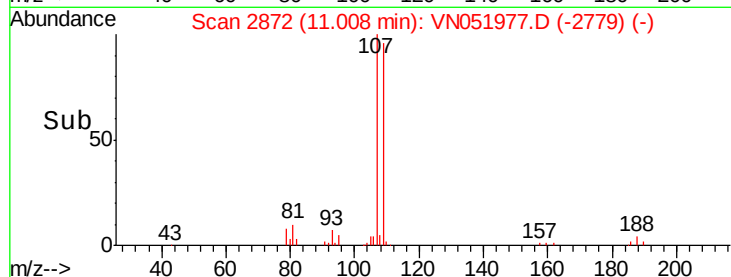
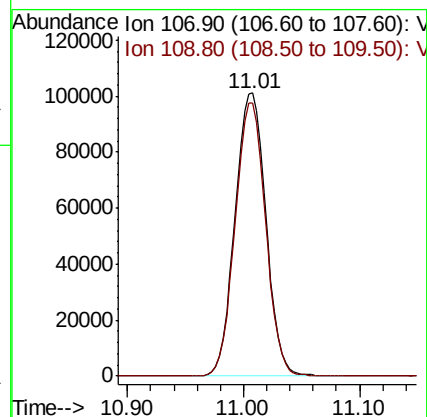
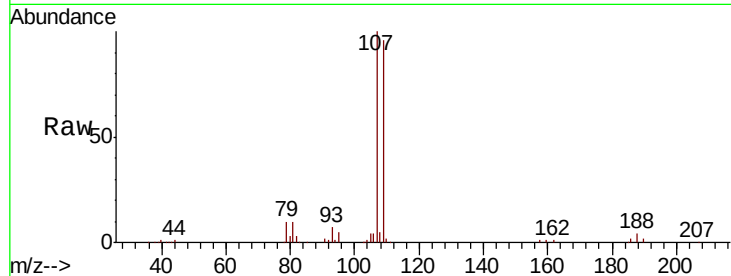
109 95.1 75.9 113.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 19.214 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

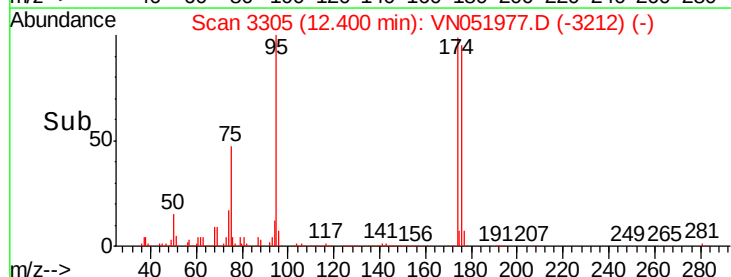
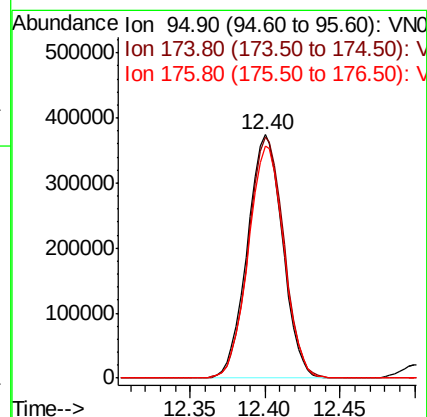
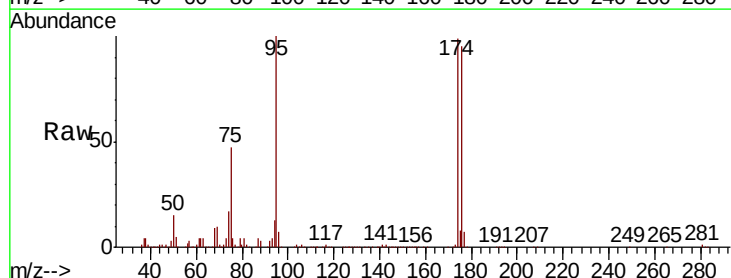
Tgt Ion: 95 Resp: 612758

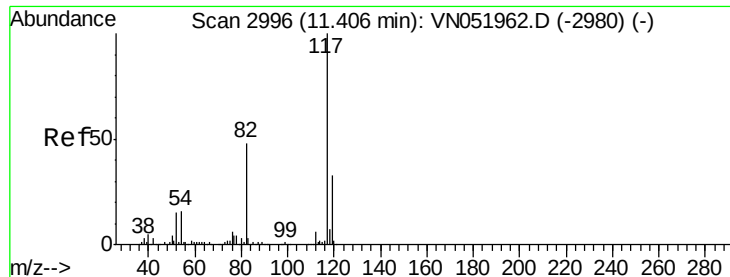
Ion Ratio Lower Upper

95 100

174 100.1 0.0 206.0

176 96.5 0.0 198.0





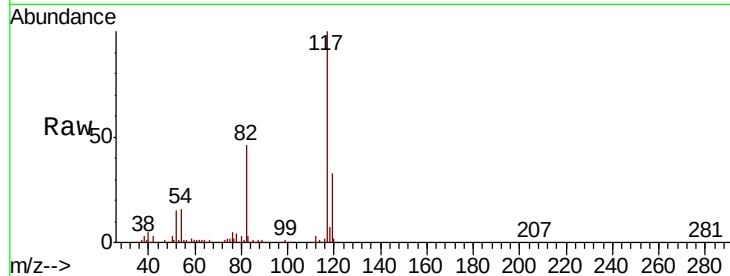
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

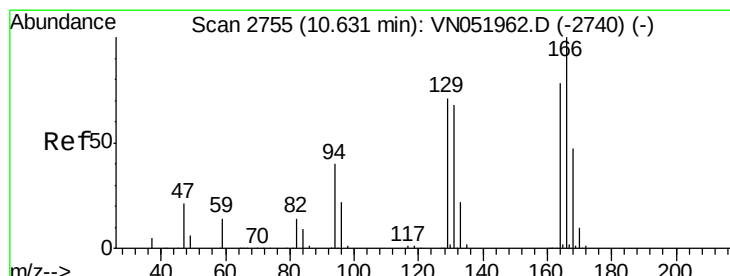
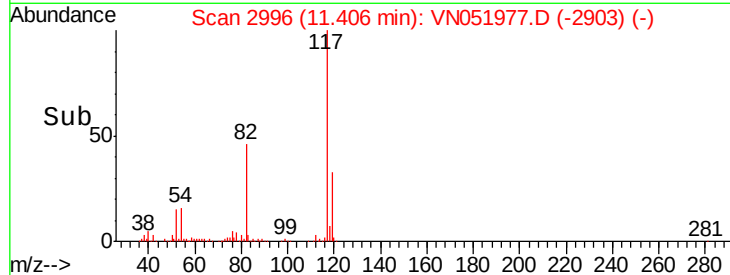
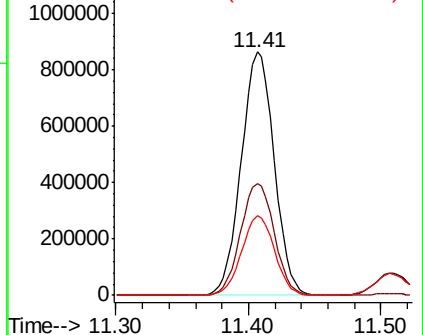
Tot Ion:117 Resp: 1489938
Ion Ratio Lower Upper
117 100
82 46.1 38.1 57.1
119 32.6 26.4 39.6

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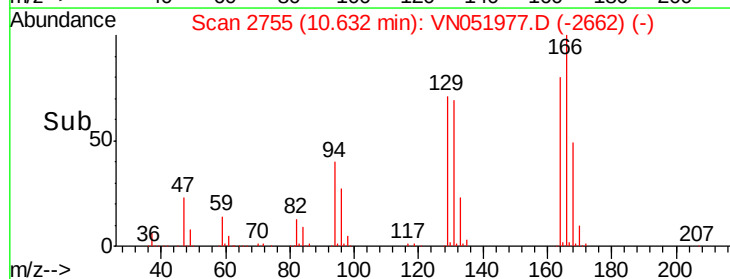
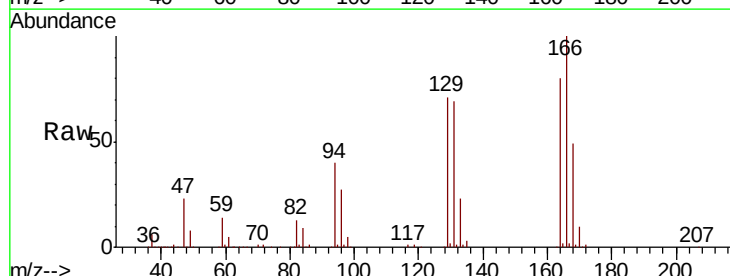
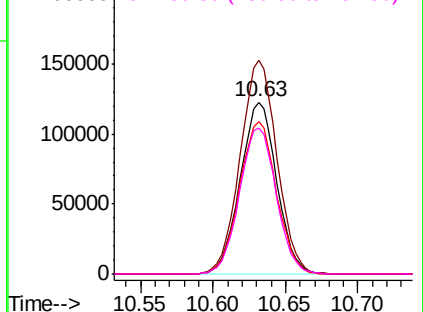
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

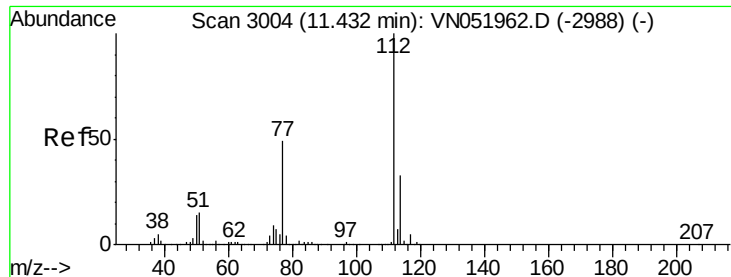


#64
Tetrachloroethene
Concen: 18.737 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion:164 Resp: 214276
Ion Ratio Lower Upper
164 100
166 124.3 103.1 154.7
129 88.5 73.6 110.4
131 85.2 70.3 105.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





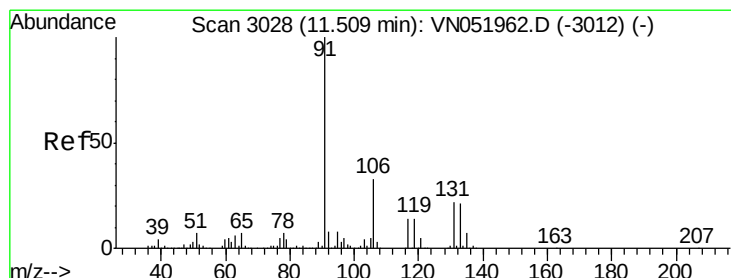
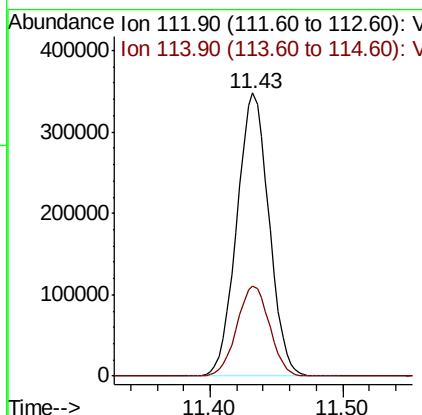
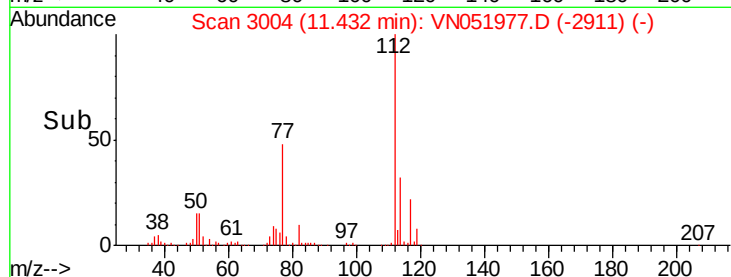
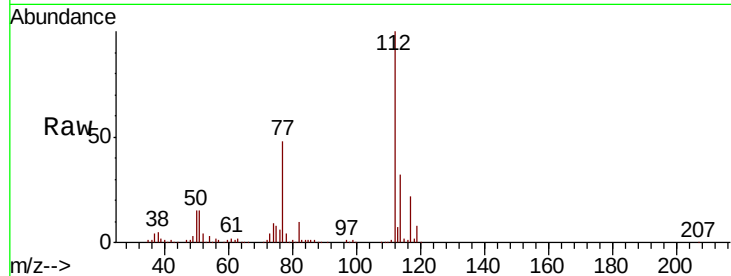
#65
Chlorobenzene
Concen: 19.466 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	585584		
114	31.8	26.1	39.1	

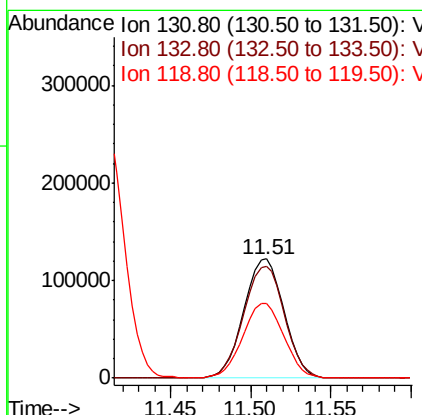
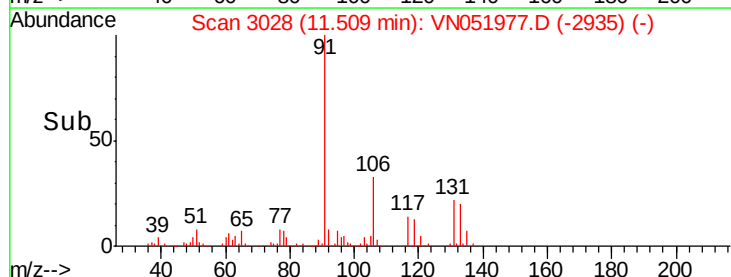
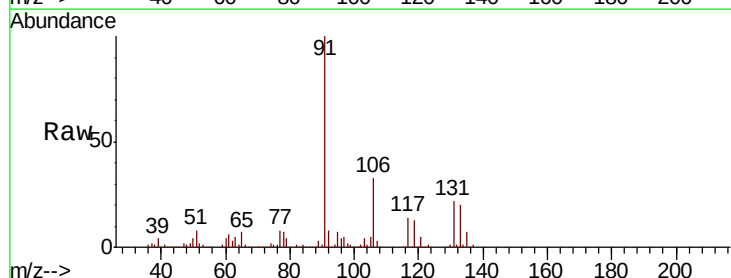
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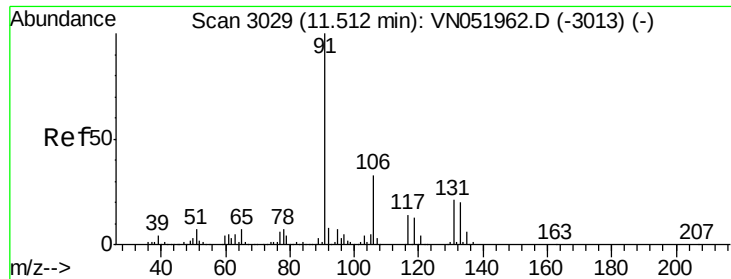
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.370 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	209441		
133	96.0	47.8	143.3	
119	64.3	32.0	96.2	





#67

Ethyl Benzene

Concen: 19.196 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 91 Resp: 928235

Ion Ratio Lower Upper

91 100

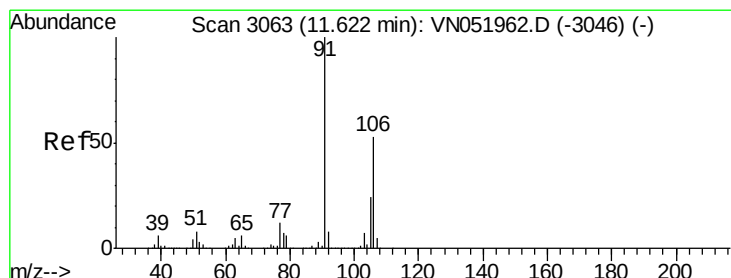
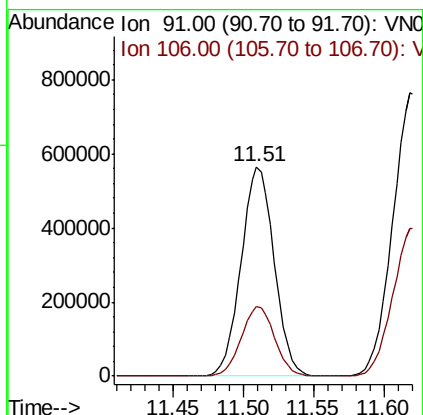
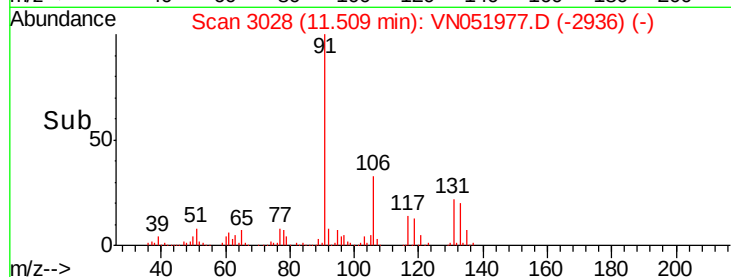
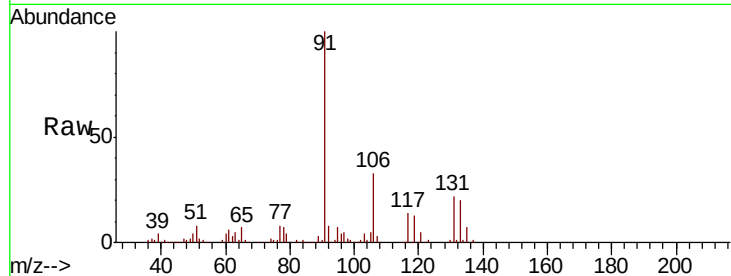
106 33.3 26.4 39.6

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#68

m/p-Xylenes

Concen: 39.267 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN051977.D

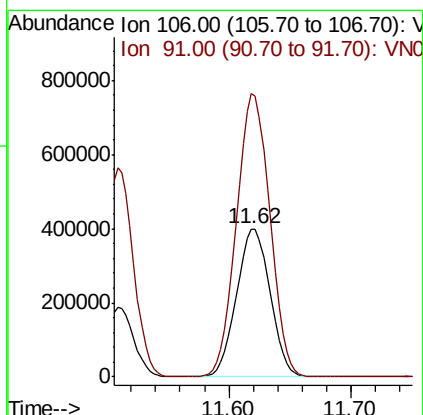
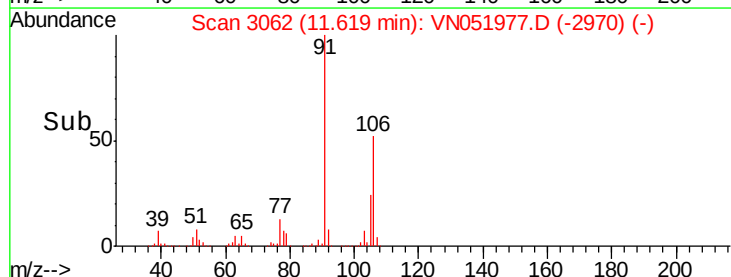
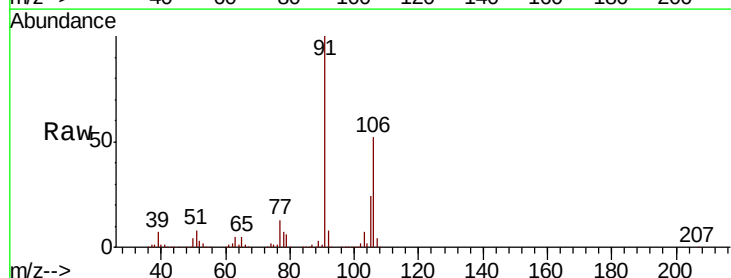
Acq: 24 Oct 2018 10:12

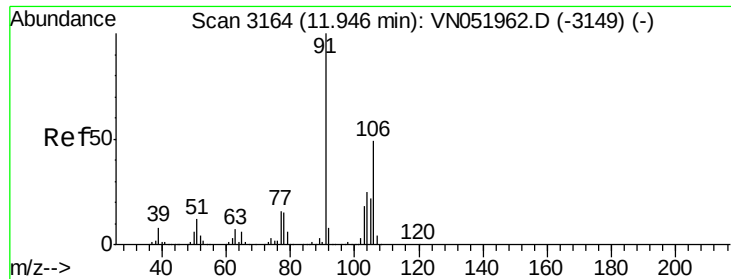
Tgt Ion: 106 Resp: 758639

Ion Ratio Lower Upper

106 100

91 190.5 152.2 228.2





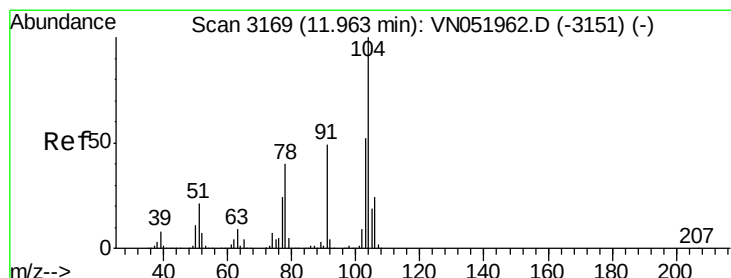
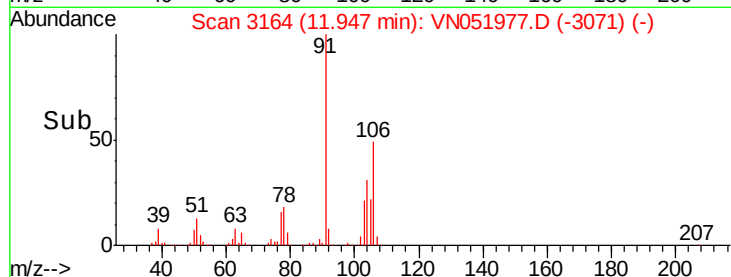
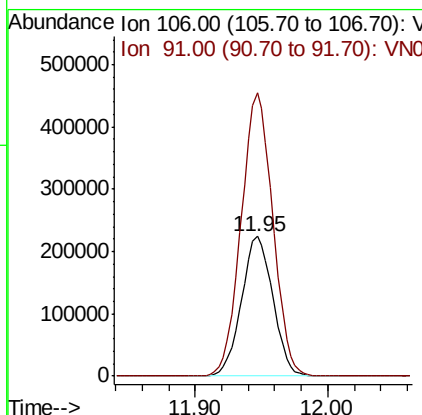
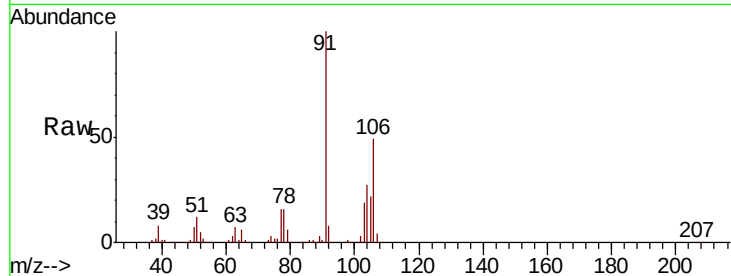
#69
o-Xylene
Concen: 19.613 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		368515		
91	204.1	101.0	303.0		

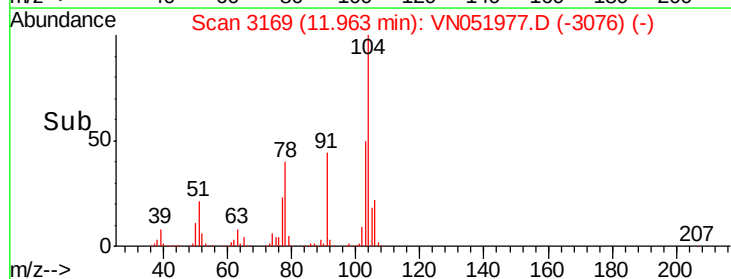
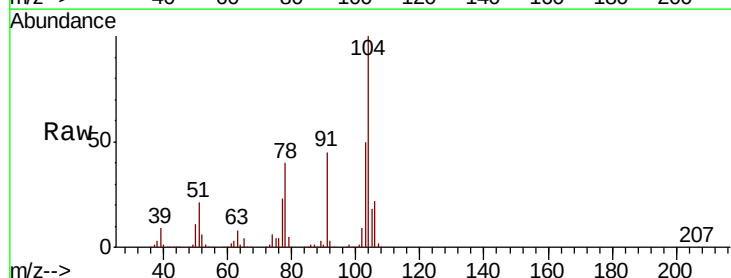
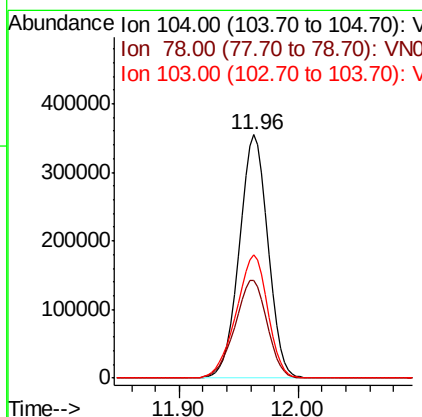
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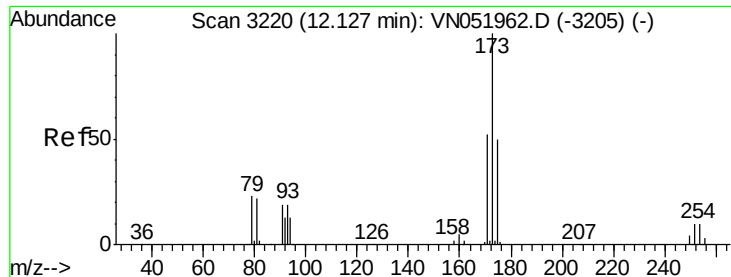
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#70
Styrene
Concen: 19.705 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		591765		
78	45.3	35.8	53.6		
103	55.9	44.9	67.3		





#71

Bromoform

Concen: 17.536 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

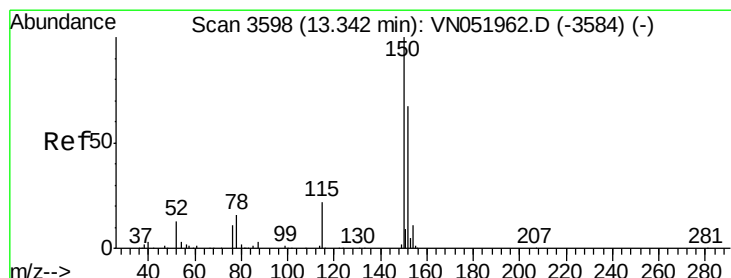
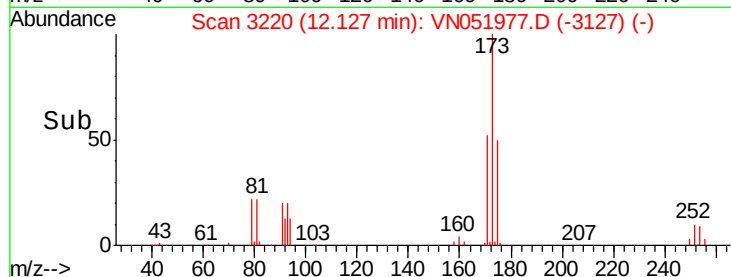
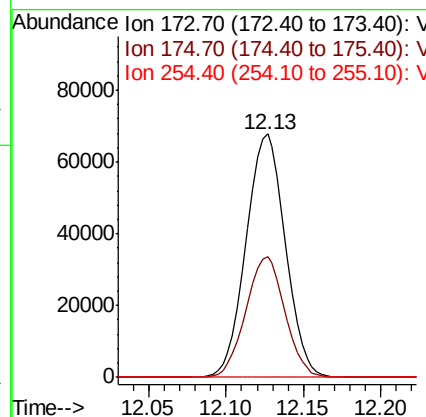
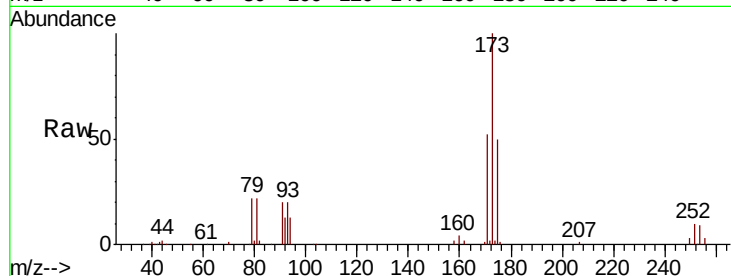
ClientSampleId :

VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

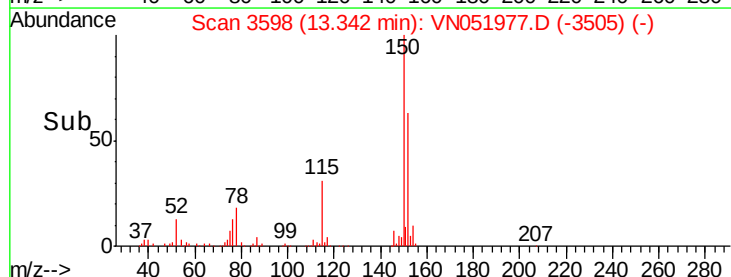
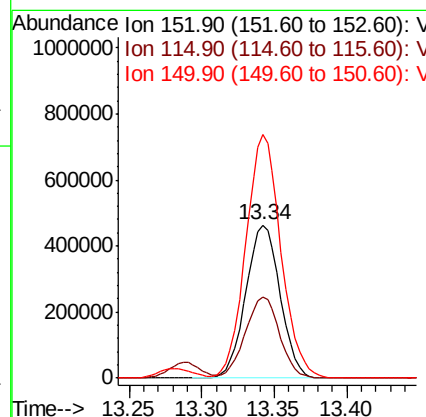
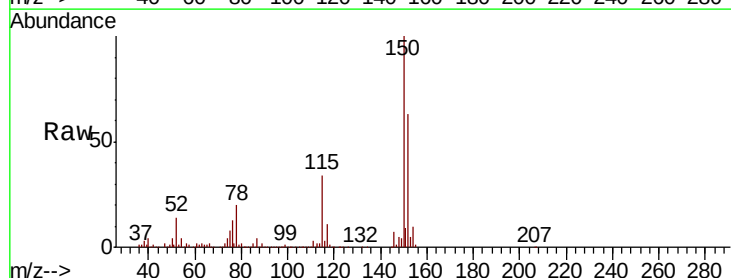
RT: 13.34 min Scan# 3598

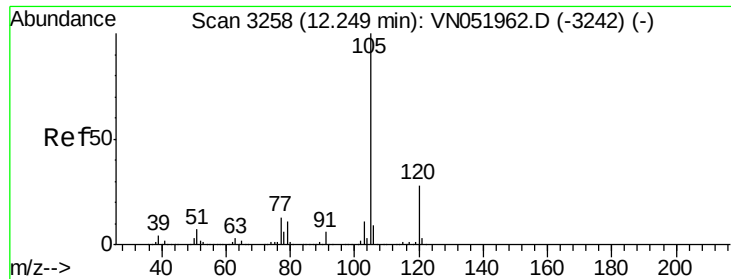
Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	25.8	77.3
150	163.1	0.0	344.4





#73

Isopropylbenzene

Concen: 20.384 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:105 Resp: 983024

Ion Ratio Lower Upper

105 100

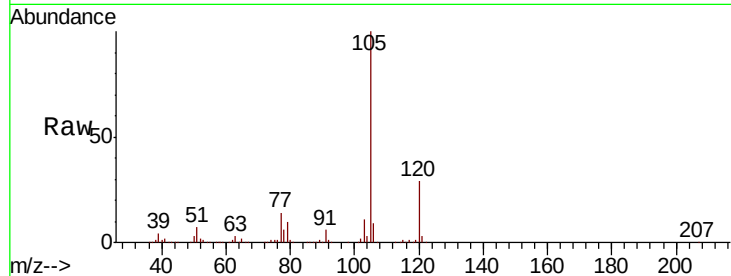
120 28.4 14.0 41.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

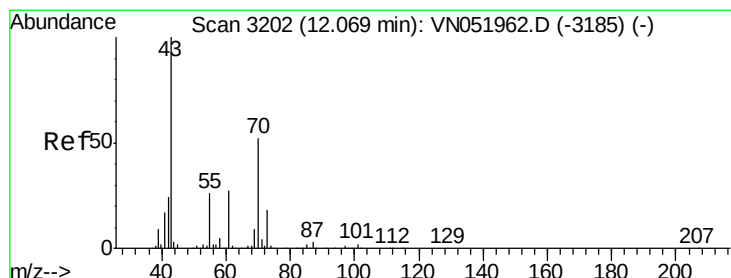
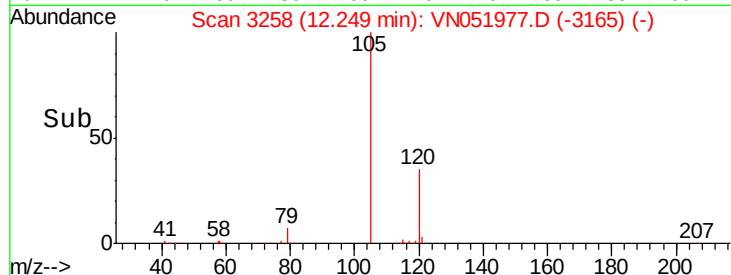
400000

200000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.385 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion: 43 Resp: 184004

Ion Ratio Lower Upper

43 100

70 51.2 41.3 61.9

55 28.0 21.2 31.8

61 26.4 21.8 32.8

Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

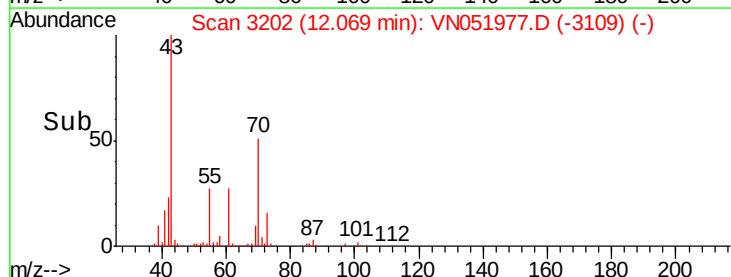
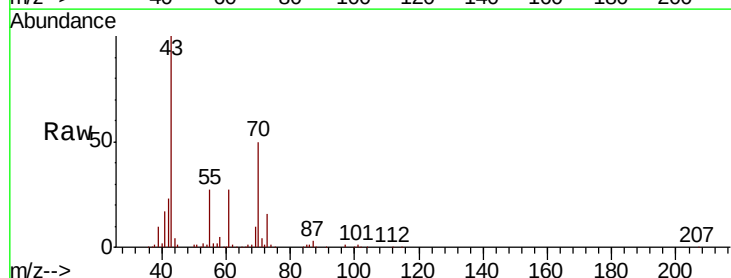
100000

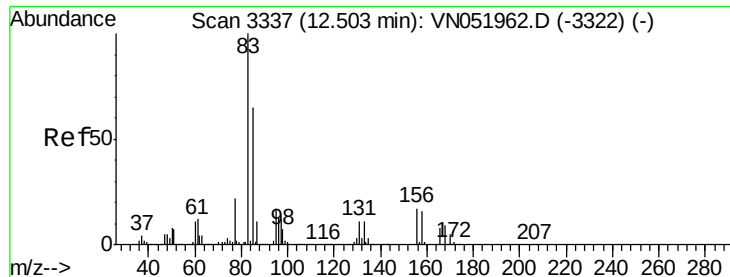
50000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.980 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

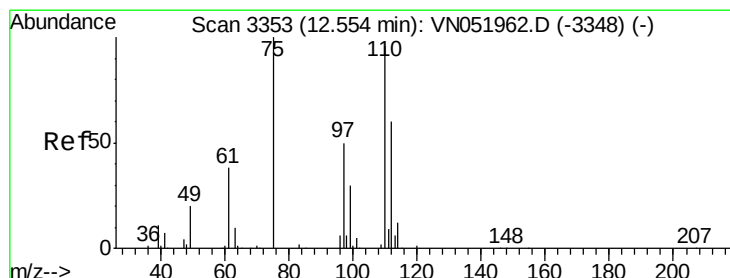
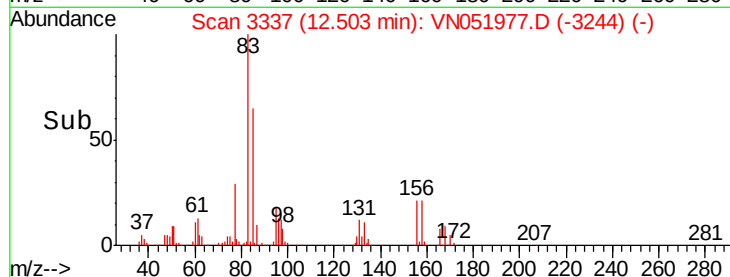
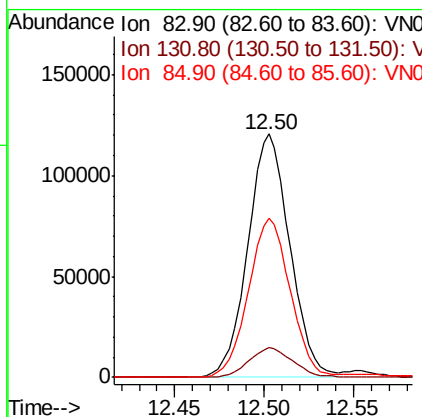
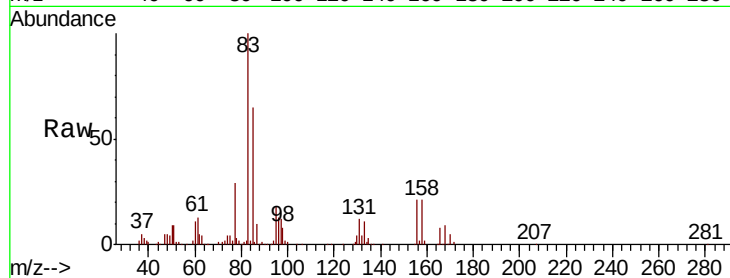
ClientSampleId :

VN1024WBSD01

Tot Ion:	83	Resp:	199092
Ion Ratio	Lower	Upper	
83	100		
131	12.7	6.2	18.6
85	64.9	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 18.386 ug/l m

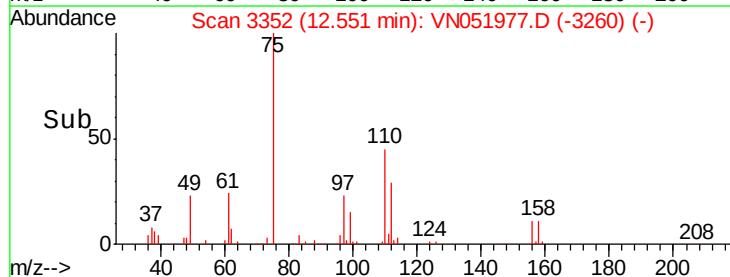
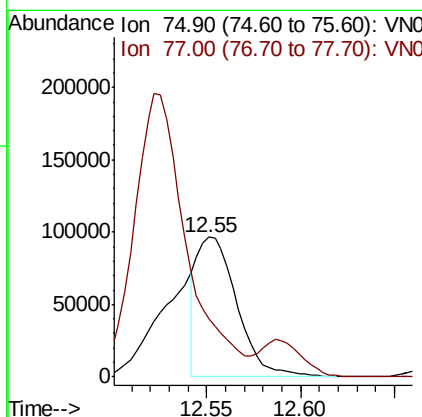
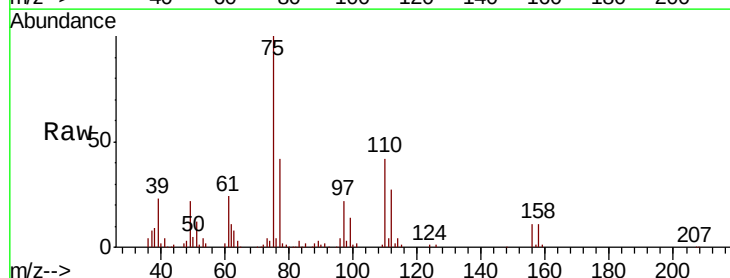
RT: 12.55 min Scan# 3352

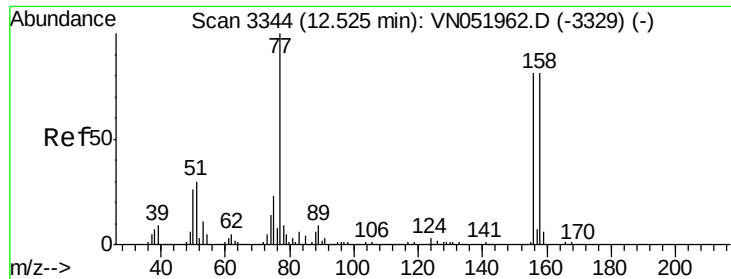
Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion:	75	Resp:	144412
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.281 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

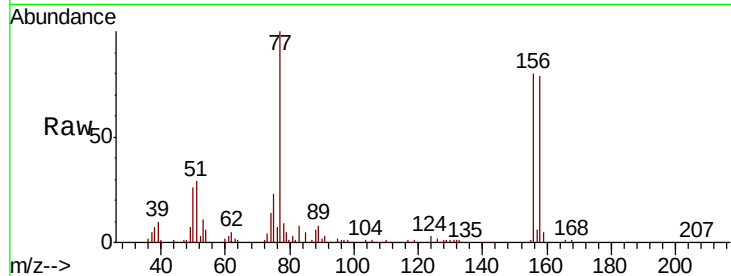
ClientSampleId :

VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.8	71.1	213.3
158	98.0	49.3	147.8

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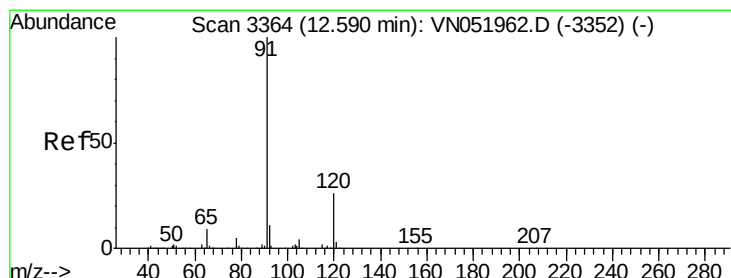
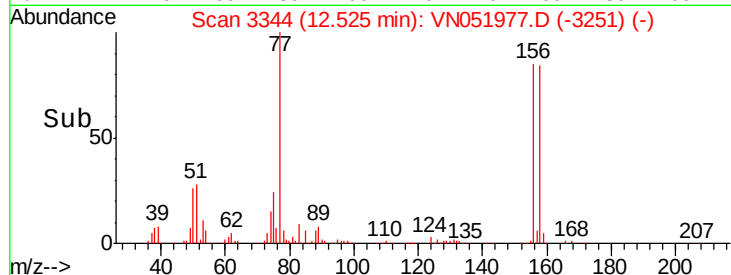
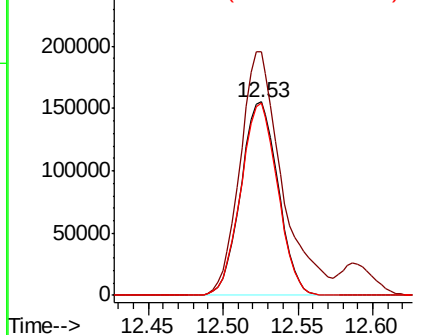


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.376 ug/l

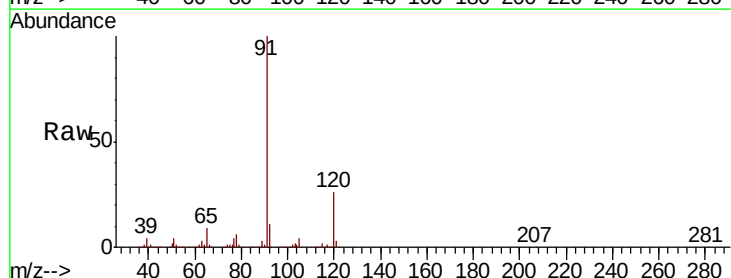
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

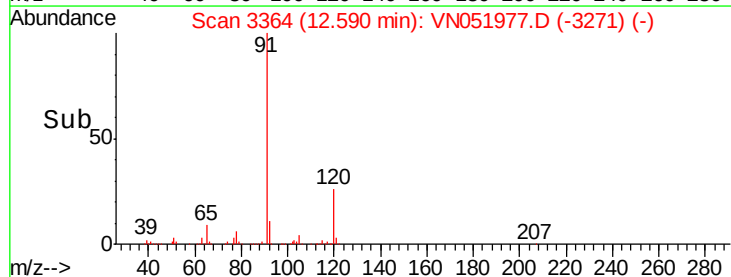
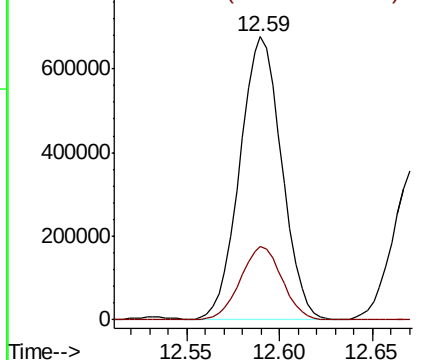
Tgt Ion	Ratio	Lower	Upper
91	100		
120	26.0	13.1	39.3

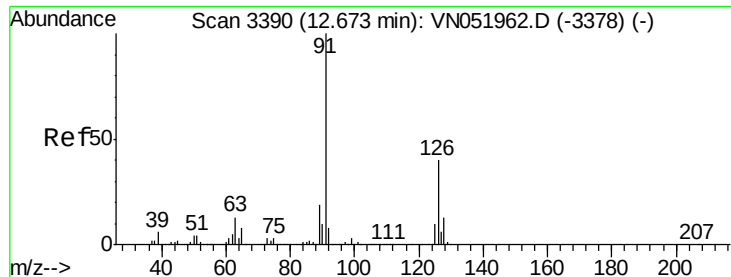


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.548 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion: 91 Resp: 622505

Ion Ratio Lower Upper

91 100

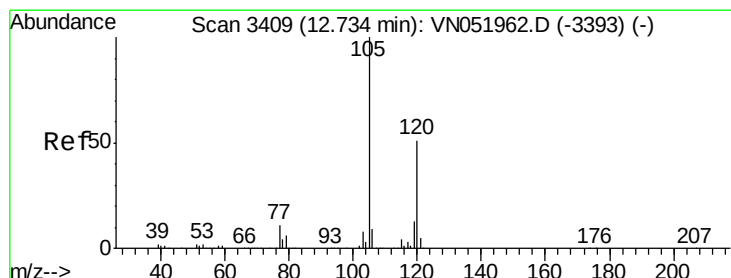
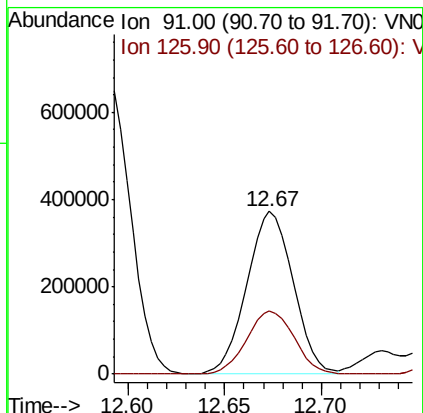
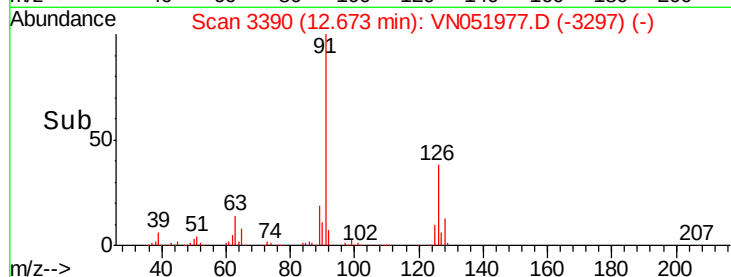
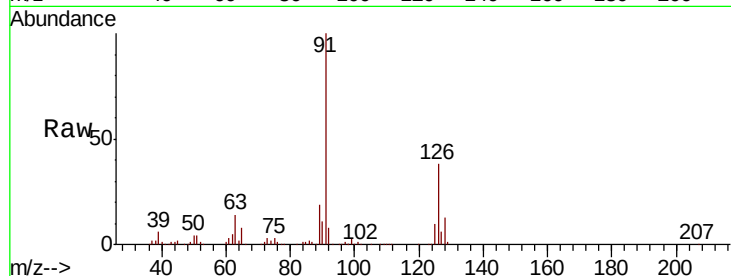
126 39.7 20.1 60.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.857 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051977.D

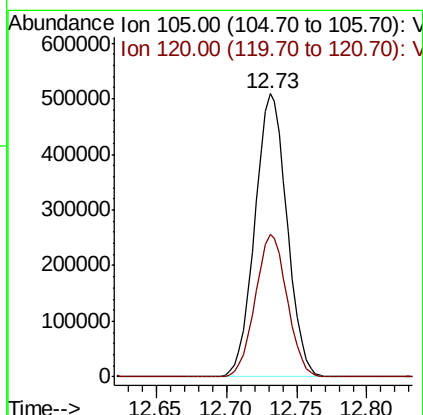
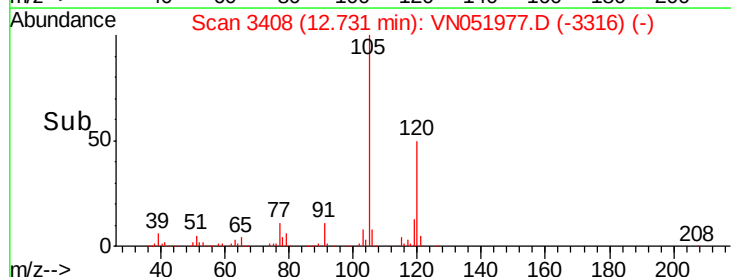
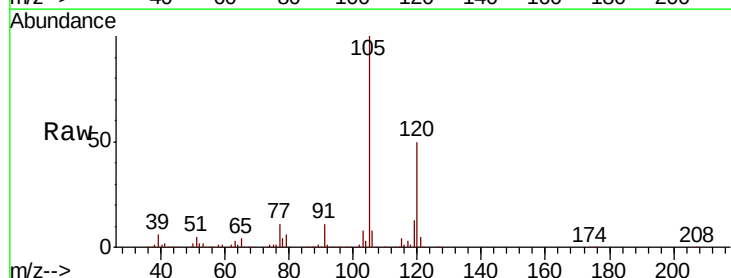
Acq: 24 Oct 2018 10:12

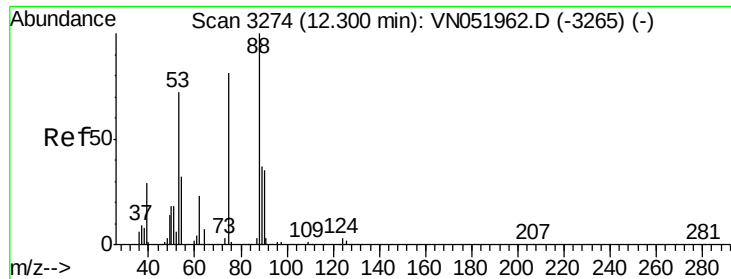
Tgt Ion: 105 Resp: 806987

Ion Ratio Lower Upper

105 100

120 50.2 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 19.221 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

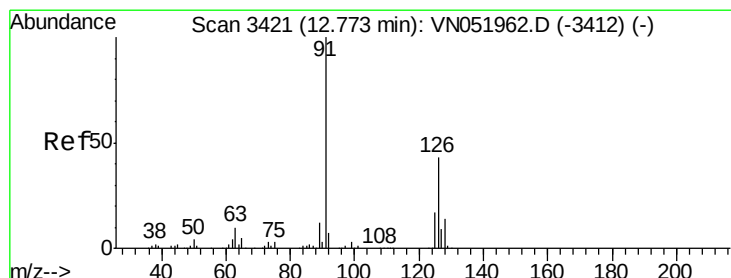
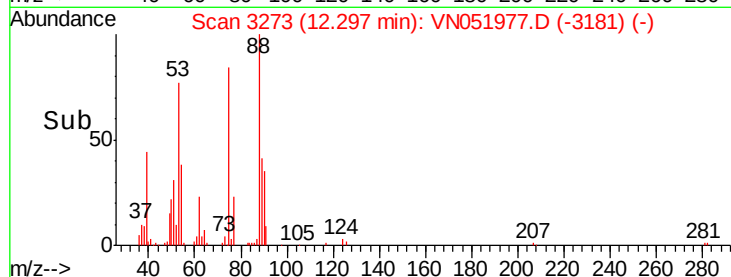
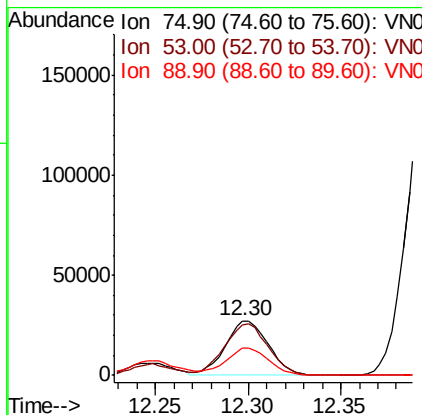
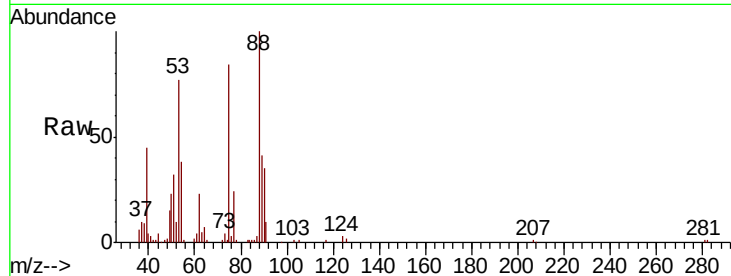
ClientSampleId :

VN1024WBSD01

Tot Ion:	75	Resp:	44028
Ion	Ratio	Lower	Upper
75	100		
53	96.1	73.5	110.3
89	48.9	41.6	62.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.283 ug/l

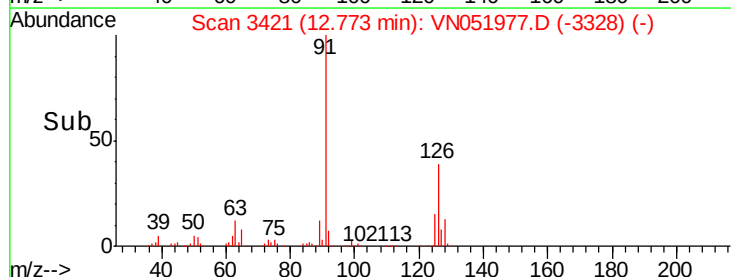
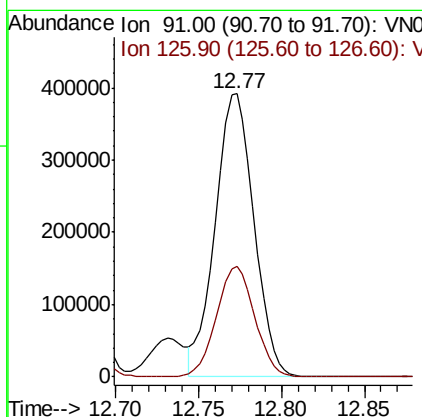
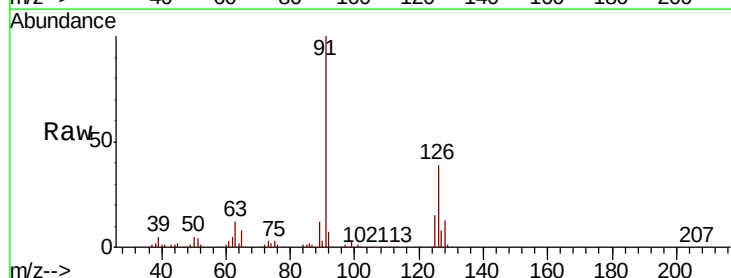
RT: 12.77 min Scan# 3421

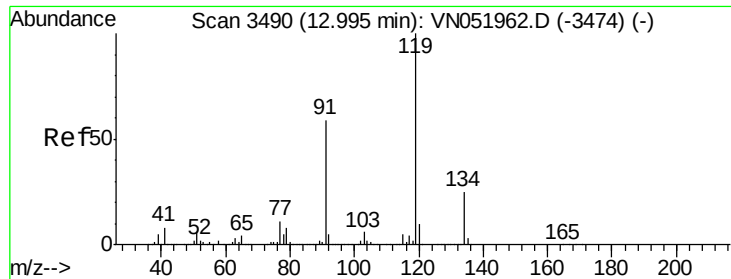
Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Tgt Ion:	91	Resp:	636190
Ion	Ratio	Lower	Upper
91	100		
126	38.5	19.7	59.0





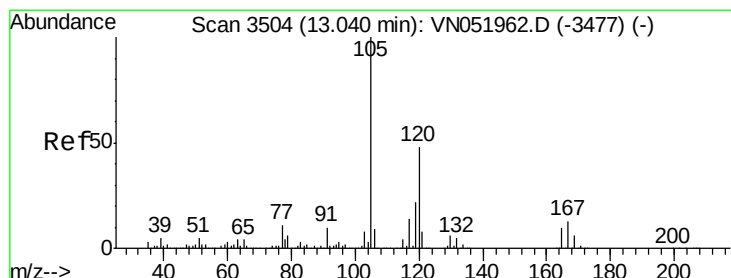
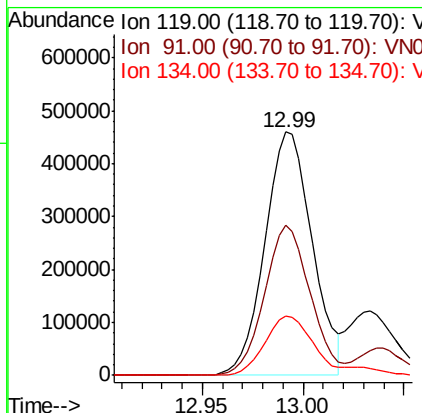
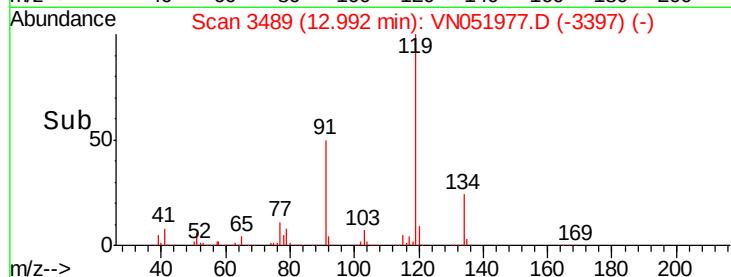
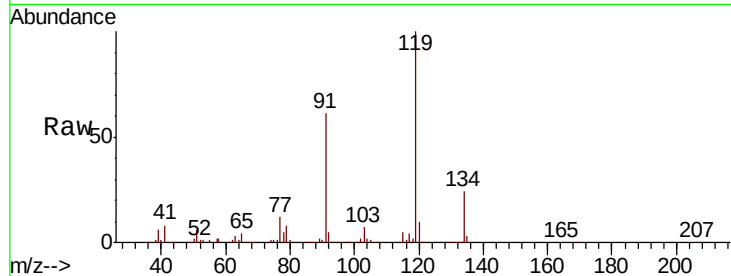
#83
 tert-Butylbenzene
 Concen: 20.514 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	750679		
91	59.4		28.8	86.4
134	24.7		13.4	40.1

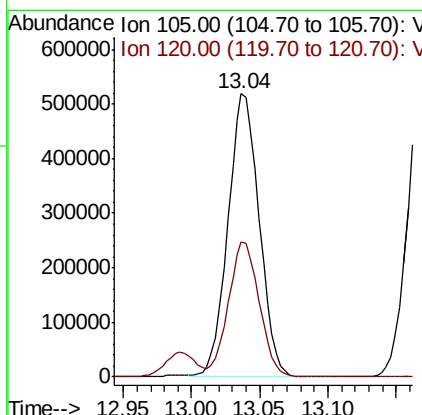
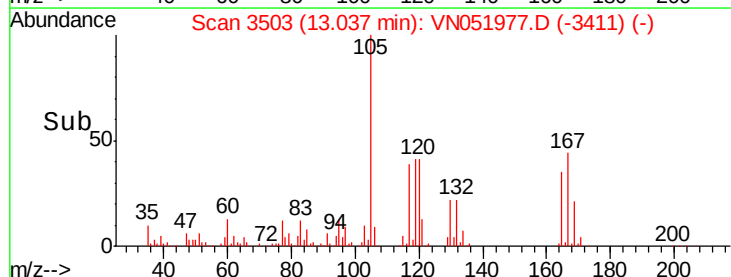
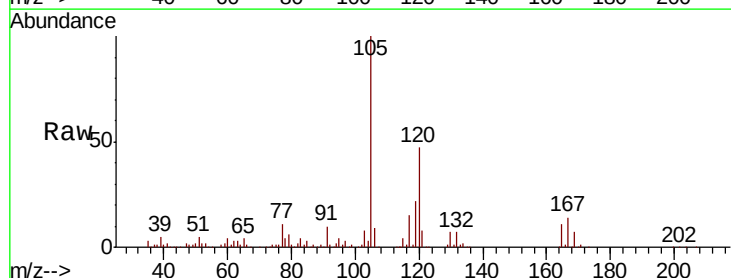
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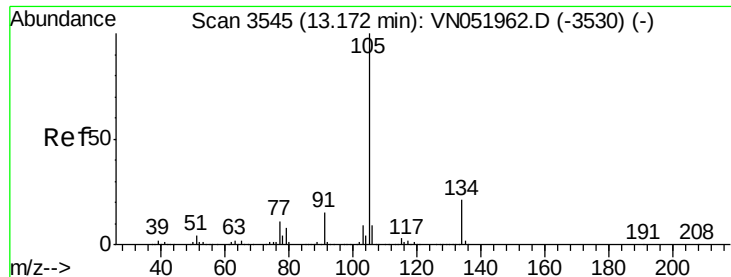
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.658 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	824468		
120	47.1		23.8	71.5





#85

sec-Butylbenzene

Concen: 20.580 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

ClientSampleId :

VN1024WBSD01

Tot Ion:105 Resp: 983594

Ion Ratio Lower Upper

105 100

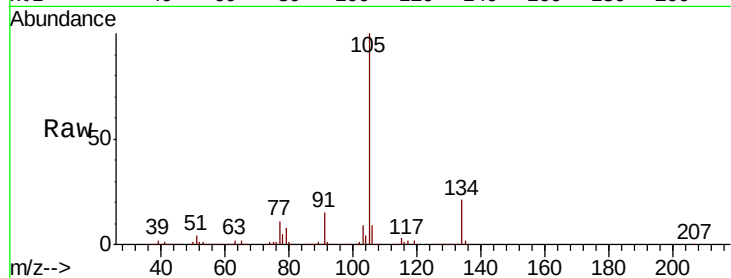
134 21.0 10.9 32.9

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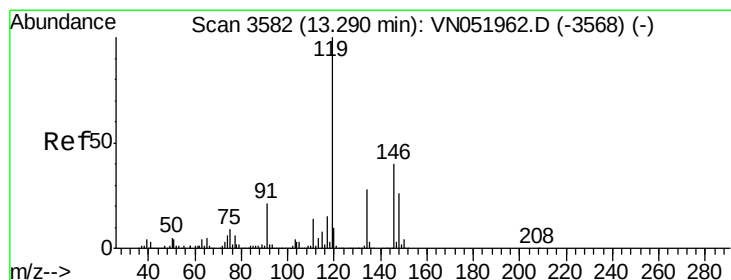
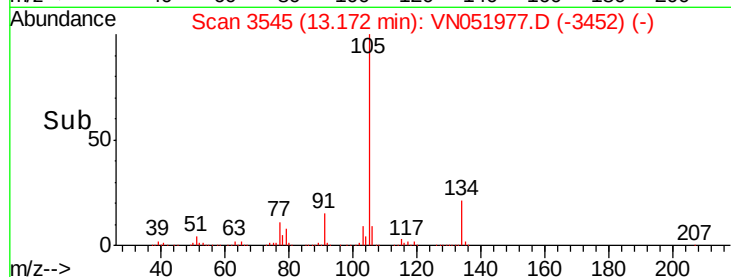
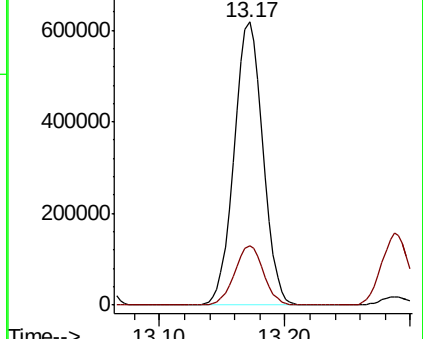
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

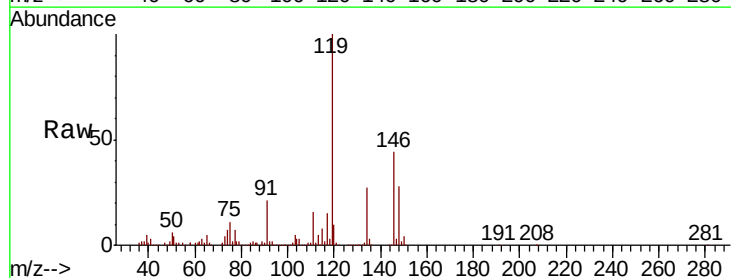
Tgt Ion:119 Resp: 884968

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.7

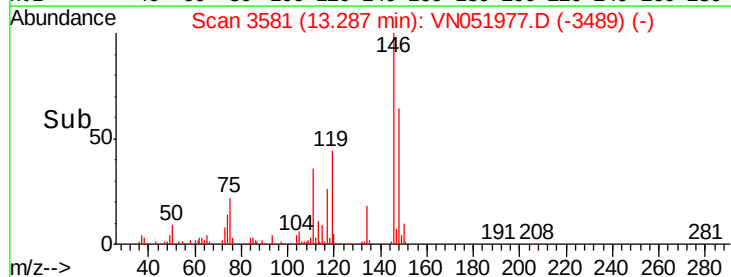
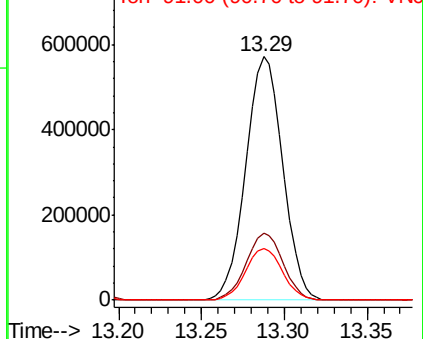
91 21.3 10.6 31.8

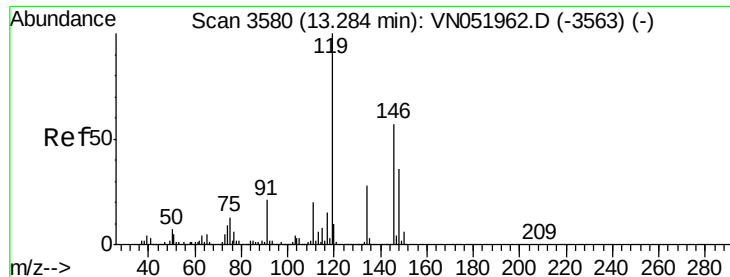


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





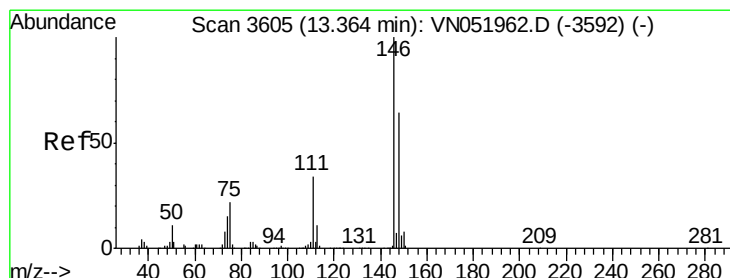
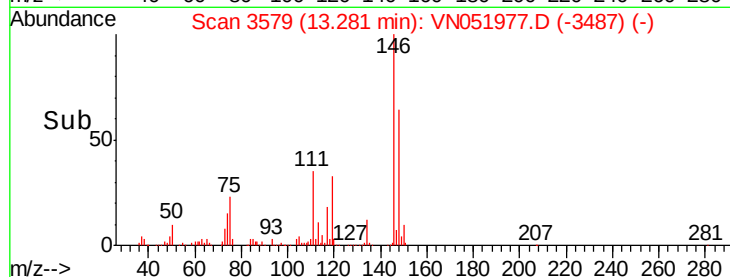
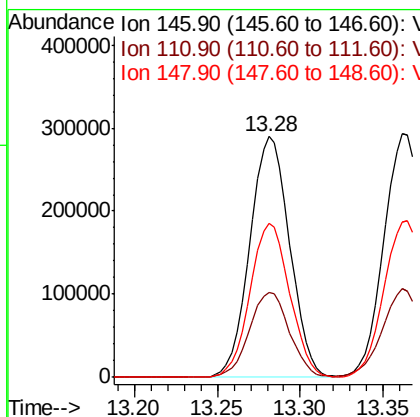
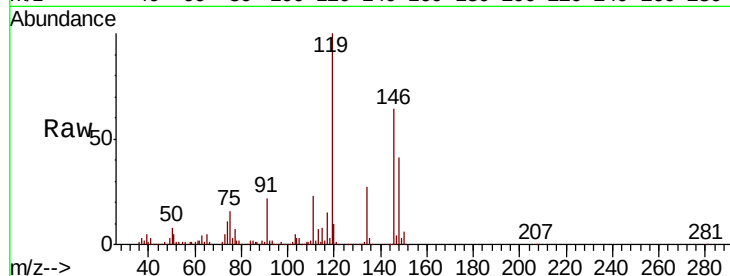
#87
 1,3-Dichlorobenzene
 Concen: 19.648 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	17.6	52.8
148	63.6	32.0	96.0

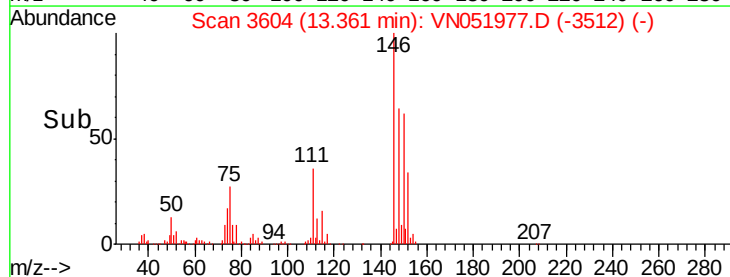
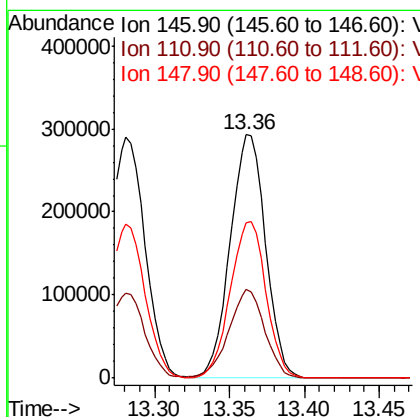
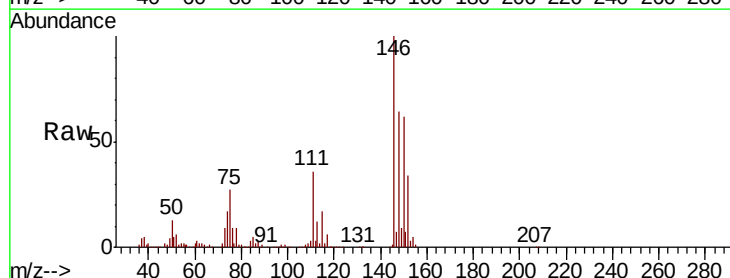
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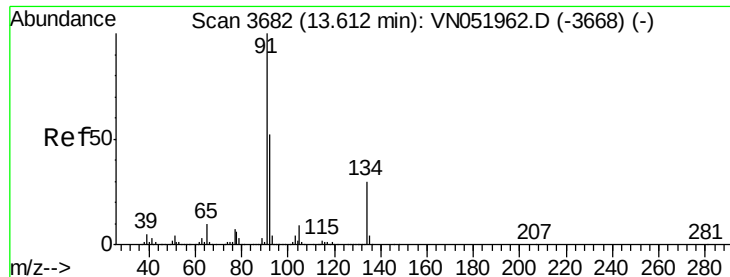
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#88
 1,4-Dichlorobenzene
 Concen: 19.900 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.3	51.7
148	65.1	32.1	96.3





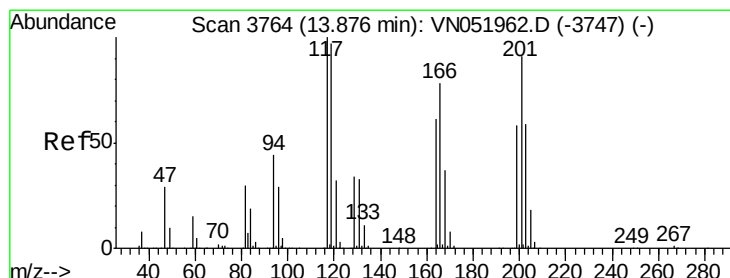
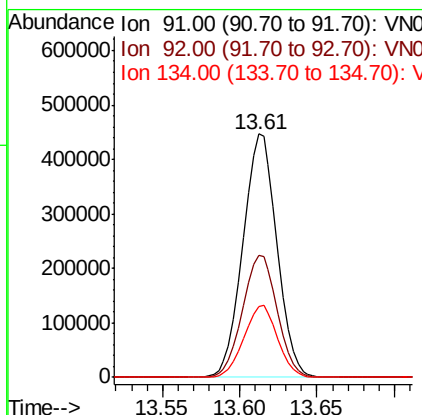
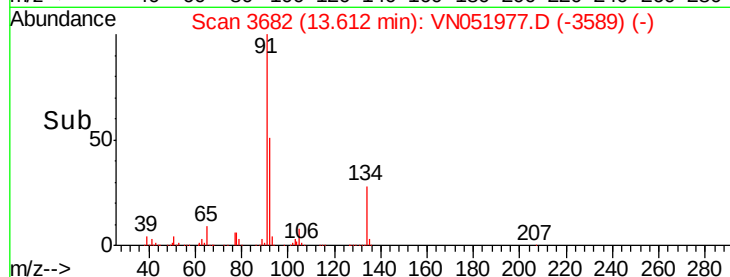
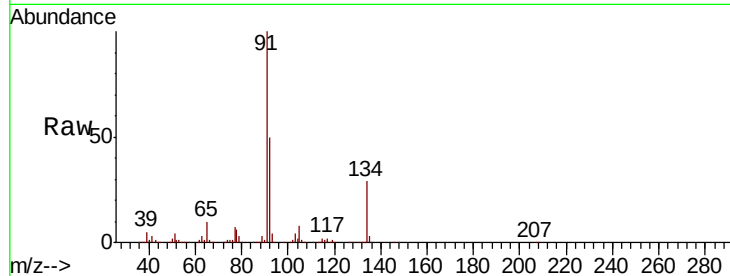
#89
n-Butylbenzene
Concen: 19.933 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.8
134	29.3	15.2	45.6

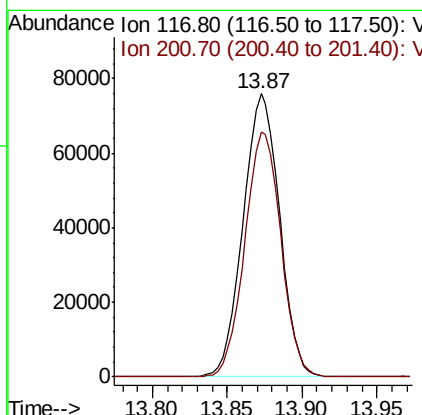
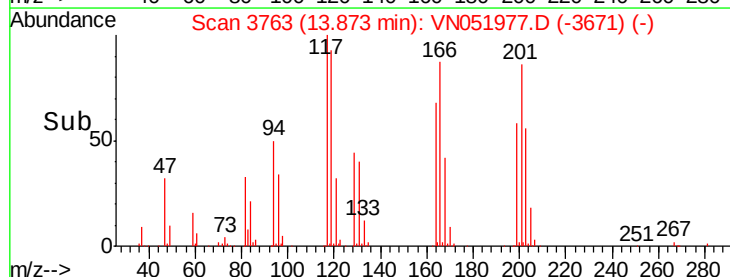
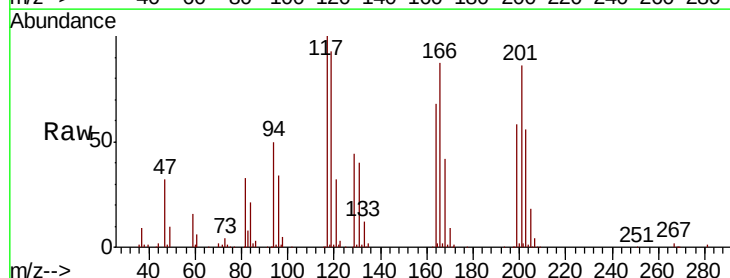
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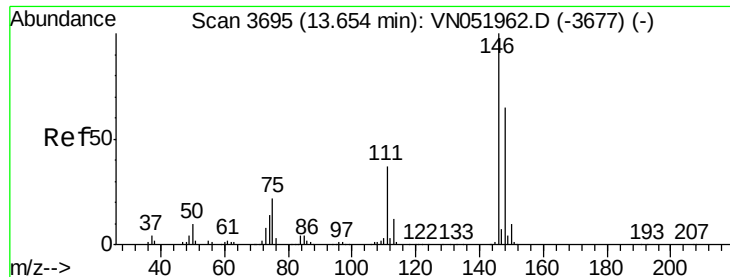
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#90
Hexachloroethane
Concen: 20.120 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.6	45.6	136.9





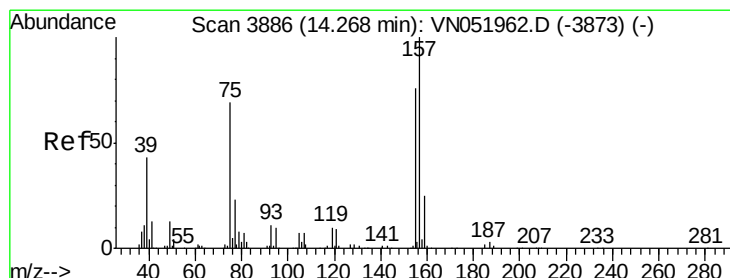
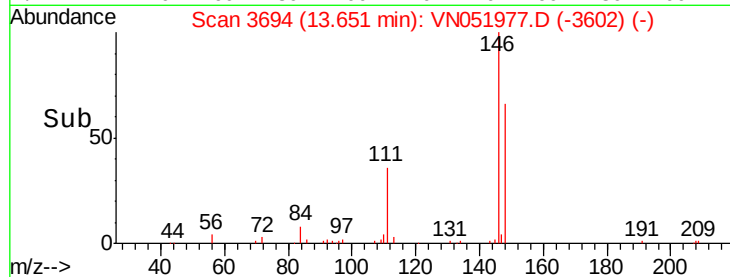
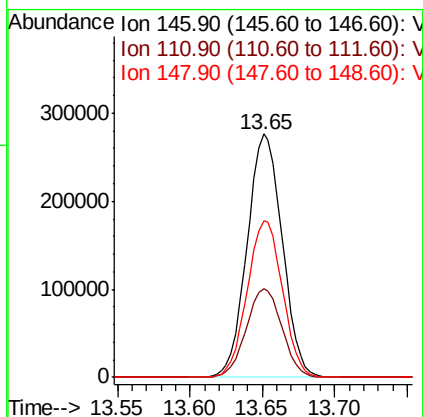
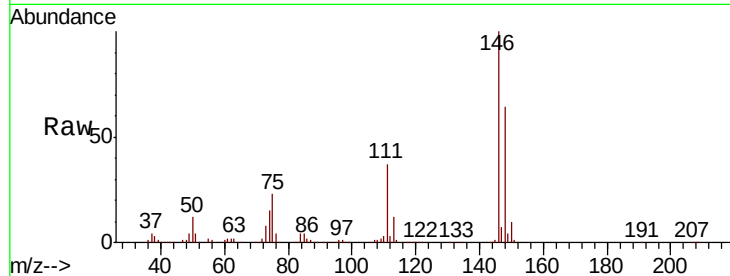
#91
 1,2-Dichlorobenzene
 Concen: 19.648 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.3	54.9
148	64.6	32.4	97.0

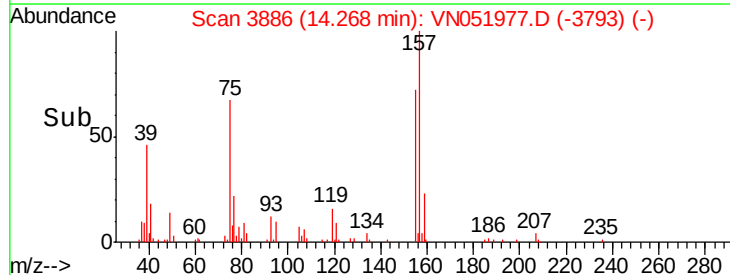
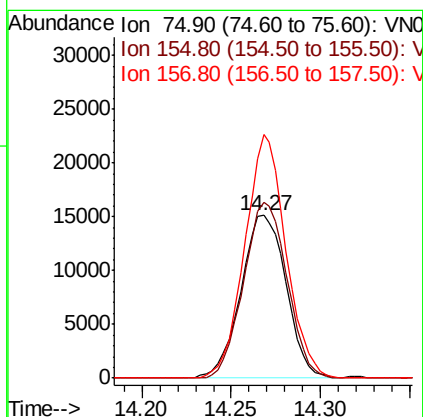
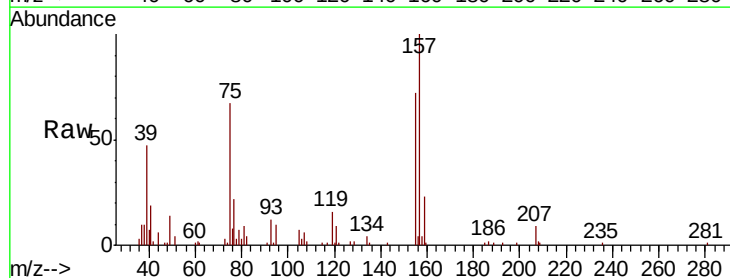
Manual Integrations
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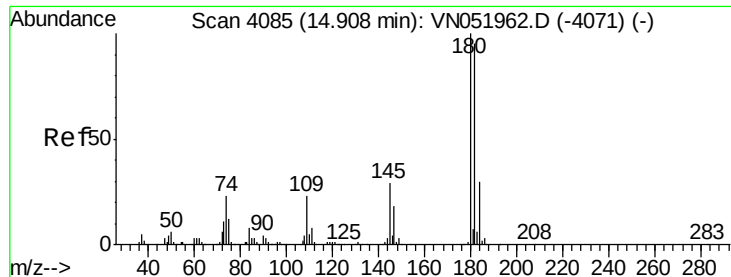
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.435 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051977.D
 Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	56.0	167.9
157	136.2	73.9	221.6





#93

1,2,4-Trichlorobenzene

Concen: 16.136 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN051977.D

Acq: 24 Oct 2018 10:12

Instrument :

MSVOA_N

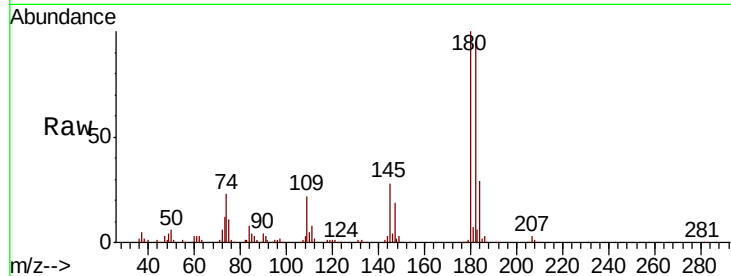
ClientSampleId :

VN1024WBSD01

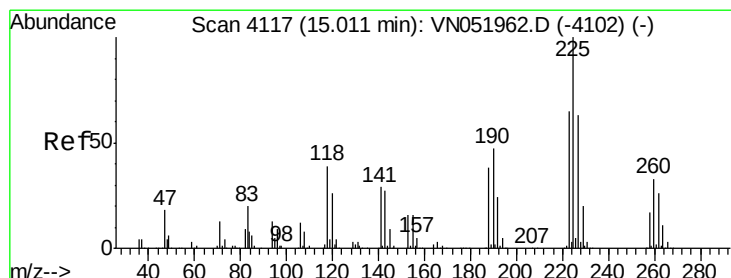
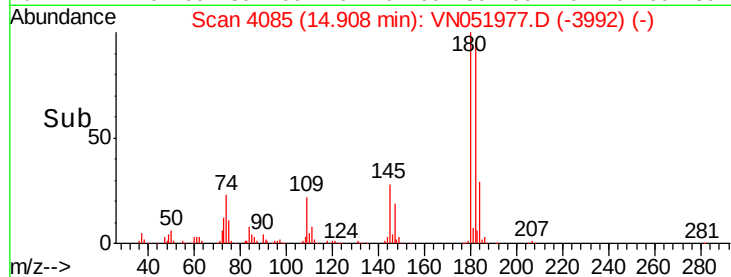
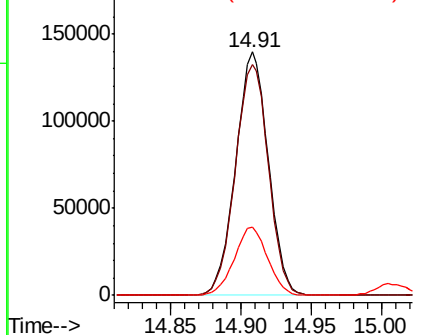
Tot Ion:	180	Resp:	226349
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.8	143.4
145	28.7	14.5	43.5

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



#94

Hexachlorobutadiene

Concen: 18.112 ug/l

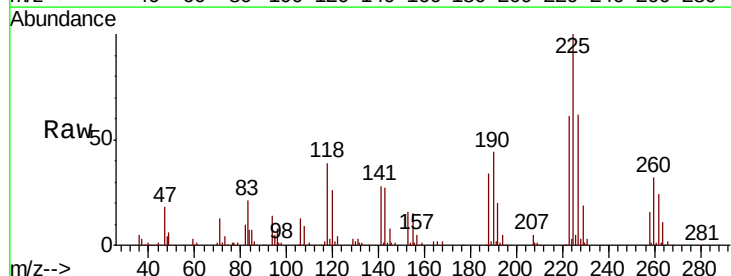
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

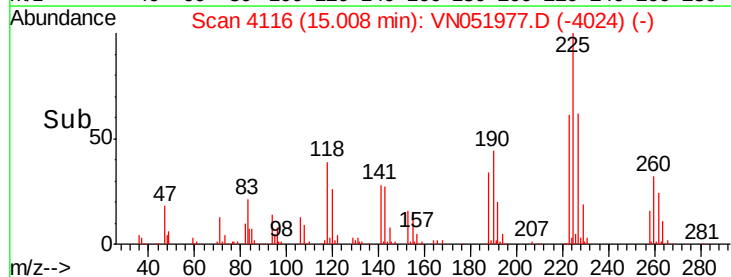
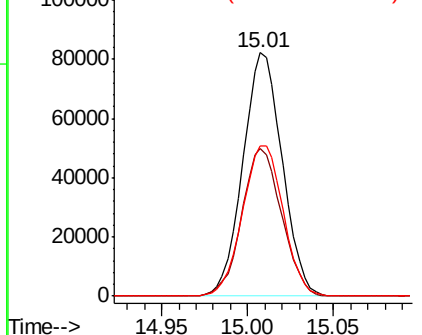
Lab File: VN051977.D

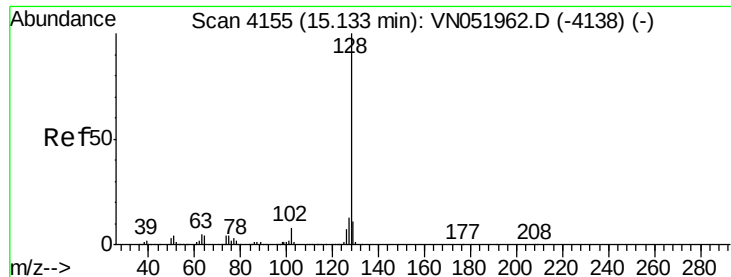
Acq: 24 Oct 2018 10:12

Tgt Ion:	225	Resp:	130548
Ion Ratio	Lower	Upper	
225	100		
223	61.6	31.8	95.4
227	64.0	31.4	94.2



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





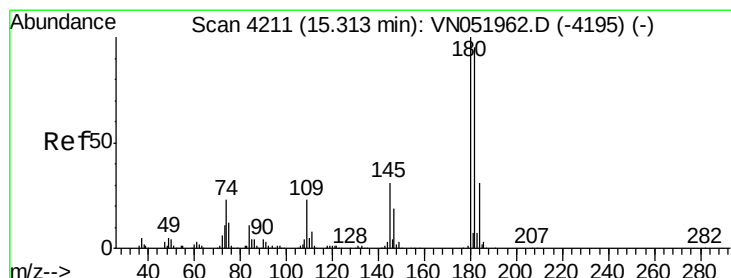
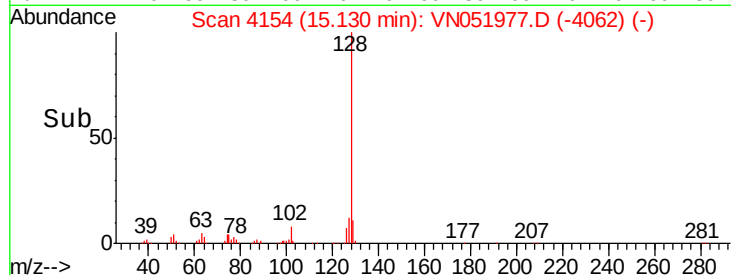
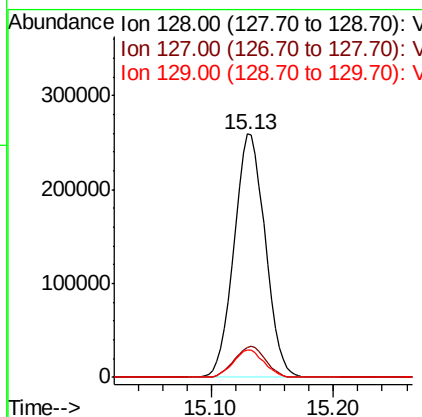
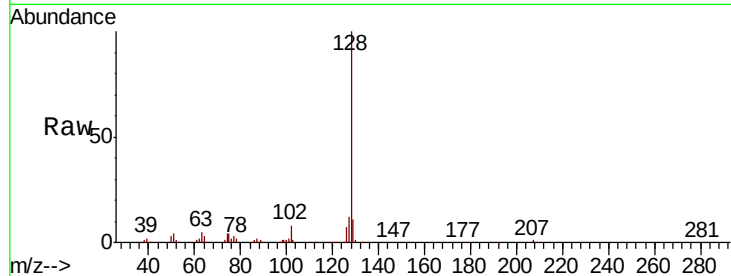
#95
Naphthalene
Concen: 15.009 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Instrument :
MSVOA_N
ClientSampleId :
VN1024WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 14.792 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051977.D
Acq: 24 Oct 2018 10:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.9	143.6
145	31.2	15.4	46.2

