

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120518\
 Data File : VN052667.D
 Acq On : 5 Dec 2018 11:06
 Operator : MD\SY
 Sample : VN1205WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 9:08:57 AM

Quant Time: Dec 06 04:47:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	974392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1480812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1315801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	599088	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	550562	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	
35) Dibromofluoromethane	7.59	113	496247	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
50) Toluene-d8	10.09	98	1886922	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.40	95	641014	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	161353	17.685	ug/l	98
3) Chloromethane	2.06	50	204743	17.001	ug/l	99
4) Vinyl Chloride	2.19	62	218652	17.674	ug/l	98
5) Bromomethane	2.57	94	136612	17.698	ug/l	96
6) Chloroethane	2.71	64	133549	17.822	ug/l	100
7) Trichlorofluoromethane	3.02	101	288363	18.976	ug/l	99
8) Diethyl Ether	3.41	74	109384	19.492	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	186128	19.629	ug/l	98
10) Methyl Iodide	3.96	142	254381	20.142	ug/l	99
11) Tert butyl alcohol	4.78	59	56094	105.612	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	168198	18.428	ug/l	96
13) Acrolein	3.61	56	72094	78.099	ug/l	99
14) Allyl chloride	4.33	41	293643	18.666	ug/l	98
15) Acrylonitrile	4.99	53	330066	98.171	ug/l	99
16) Acetone	3.82	43	293568	104.909	ug/l	100
17) Carbon Disulfide	4.06	76	469352	16.340	ug/l	100
18) Methyl Acetate	4.33	43	167739	20.897	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	479451	19.743	ug/l	100
20) Methylene Chloride	4.55	84	199870	18.252	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	181650	18.634	ug/l	97
22) Diisopropyl ether	5.95	45	634295	19.195	ug/l	96
23) Vinyl Acetate	5.90	43	1951769	94.831	ug/l	99
24) 1,1-Dichloroethane	5.85	63	362257	19.201	ug/l	99
25) 2-Butanone	6.83	43	394887	99.560	ug/l	97
26) 2,2-Dichloropropane	6.82	77	264343	20.242	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	215986	19.020	ug/l	99
28) Bromochloromethane	7.19	49	166726	19.347	ug/l	97
29) Tetrahydrofuran	7.21	42	240669	94.075	ug/l	97
30) Chloroform	7.37	83	354057	18.809	ug/l	96
31) Cyclohexane	7.65	56	335414	18.135	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	292365	19.603	ug/l	99
36) 1,1-Dichloropropene	7.80	75	271848	19.440	ug/l	99
37) Ethyl Acetate	6.93	43	162553	19.047	ug/l	99
38) Carbon Tetrachloride	7.77	117	252550	19.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	327119	19.246	ug/l	99
40) Benzene	8.04	78	819214	19.658	ug/l	99
41) Methacrylonitrile	7.17	41	79746	17.092	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	249645	19.784	ug/l	99
43) Isopropyl Acetate	8.16	43	302975	20.978	ug/l	98
44) Trichloroethene	8.83	130	213670	20.016	ug/l	99
45) 1,2-Dichloropropane	9.12	63	220549	19.906	ug/l	99
46) Dibromomethane	9.21	93	125120	20.399	ug/l	99
47) Bromodichloromethane	9.40	83	268009	20.098	ug/l	98
48) Methyl methacrylate	9.20	41	148365	19.701	ug/l	99
49) 1,4-Dioxane	9.20	88	34517	441.646	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	832318	102.715	ug/l	100
52) Toluene	10.16	92	497986	20.112	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260698	20.321	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	308163	20.045	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	182347	20.936	ug/l	95
56) Ethyl methacrylate	10.43	69	223102	20.147	ug/l	99
57) 1,3-Dichloropropane	10.71	76	307036	19.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	648766	102.655	ug/l	98
59) 2-Hexanone	10.75	43	572890	105.340	ug/l	99
60) Dibromochloromethane	10.90	129	197262	20.853	ug/l	98
61) 1,2-Dibromoethane	11.01	107	175586	20.298	ug/l	100
64) Tetrachloroethene	10.63	164	212307	20.811	ug/l	99
65) Chlorobenzene	11.43	112	539569	19.887	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	194982	20.668	ug/l	100
67) Ethyl Benzene	11.51	91	949560	19.986	ug/l	100
68) m/p-Xylenes	11.62	106	718550	40.624	ug/l	99
69) o-Xylene	11.95	106	348793	20.307	ug/l	100
70) Styrene	11.96	104	560980	20.505	ug/l	99
71) Bromoform	12.13	173	131635	21.074	ug/l #	100
73) Isopropylbenzene	12.25	105	938351	19.964	ug/l	99
74) N-amyl acetate	12.07	43	231826	19.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	215540	20.159	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	176637m	19.120	ug/l	
77) Bromobenzene	12.53	156	229342	19.741	ug/l	99
78) n-propylbenzene	12.59	91	1077189	20.173	ug/l	100
79) 2-Chlorotoluene	12.68	91	632620	19.895	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	767121	20.464	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54442	19.680	ug/l	99
82) 4-Chlorotoluene	12.77	91	639961	19.969	ug/l	100
83) tert-Butylbenzene	12.99	119	678002	20.288	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	766764	20.410	ug/l	100
85) sec-Butylbenzene	13.17	105	929245	20.415	ug/l	100
86) p-Isopropyltoluene	13.29	119	797995	20.583	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	410168	20.184	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	399147	19.940	ug/l	99
89) n-Butylbenzene	13.62	91	654635	20.304	ug/l	100
90) Hexachloroethane	13.88	117	132274	20.150	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	398447	20.522	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30852	20.175	ug/l	98

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	189986	19.681	ug/l	99
94) Hexachlorobutadiene	15.01	225	131981	21.130	ug/l	99
95) Naphthalene	15.13	128	380173	19.128	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	181520	20.277	ug/l	99

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

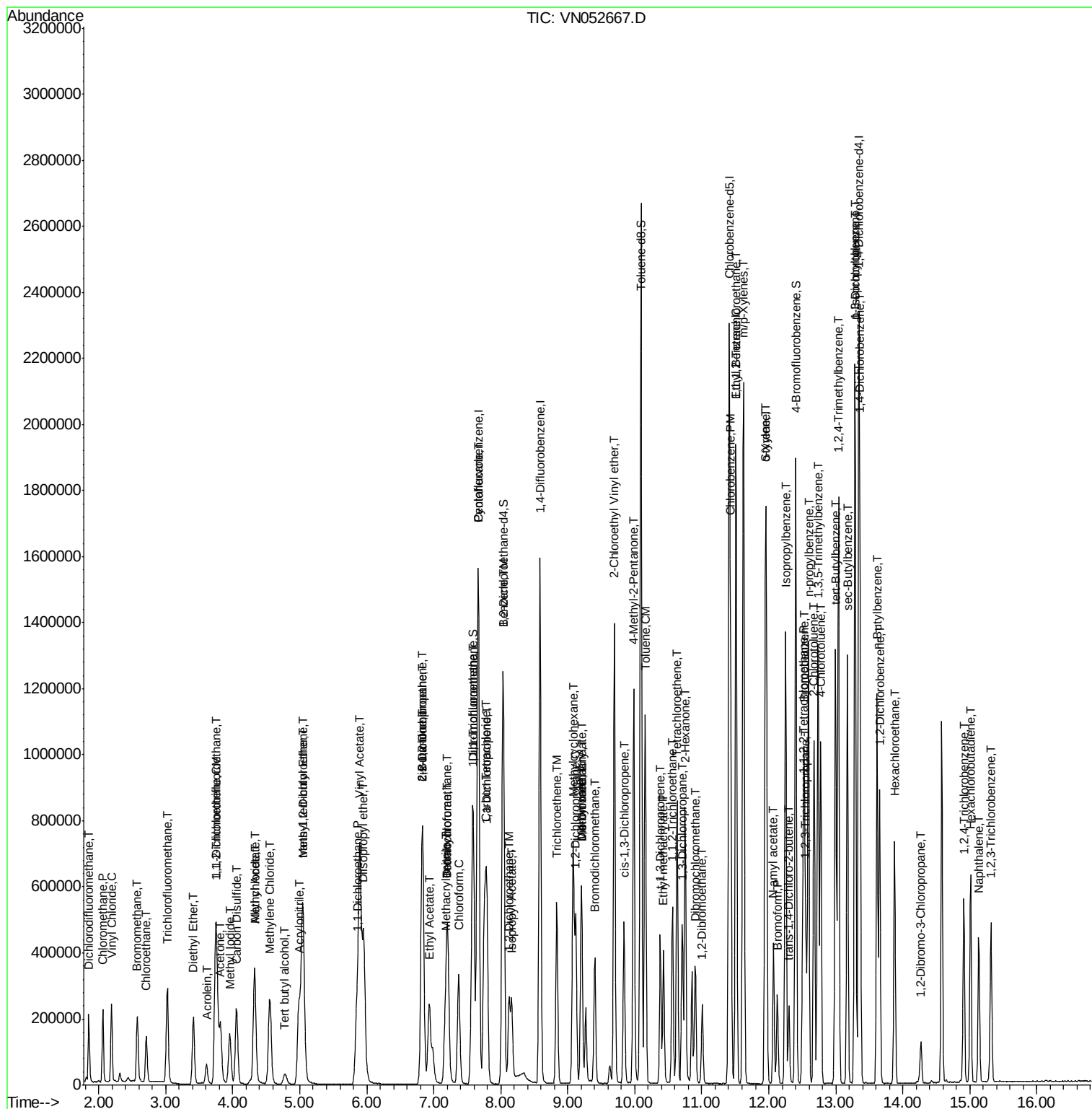
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Data File : VN052667.D
Acq On : 5 Dec 2018 11:06
Operator : MD\SY
Sample : VN1205WBS01
Misc : 5.00mL/MSVOA N/WATER
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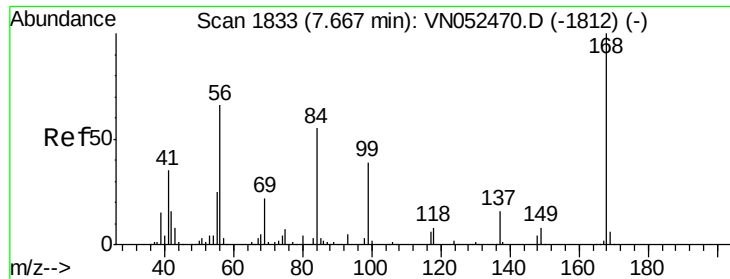
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:168 Resp: 974392

Ion Ratio Lower Upper

168 100

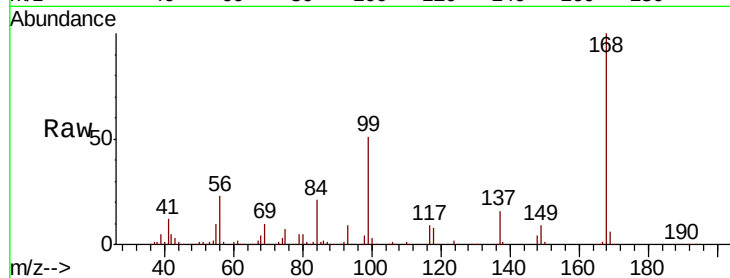
99 51.1 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

400000

300000

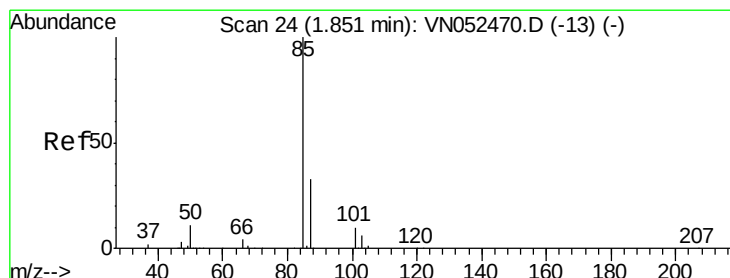
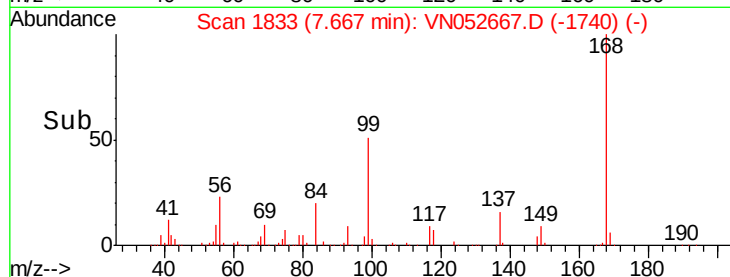
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.685 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052667.D

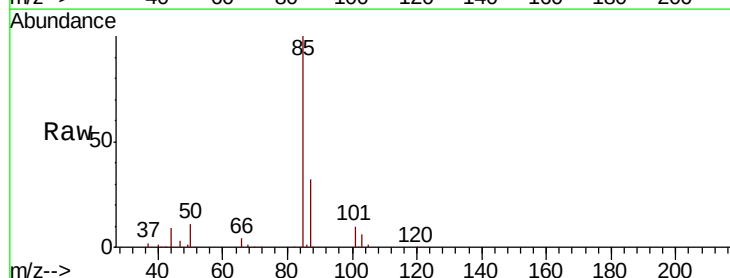
Acq: 5 Dec 2018 11:06

Tgt Ion: 85 Resp: 161353

Ion Ratio Lower Upper

85 100

87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.85

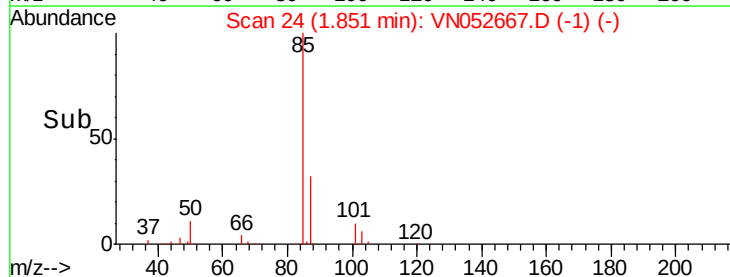
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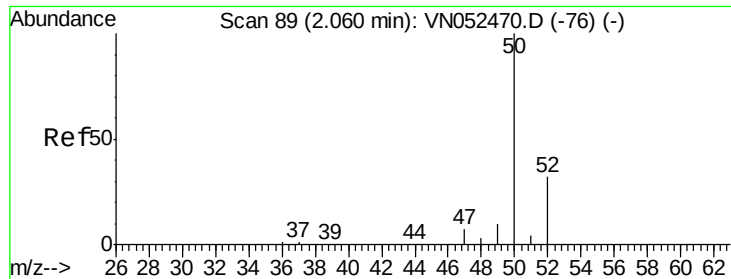
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.001 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 50 Resp: 204743

Ion Ratio Lower Upper

50 100

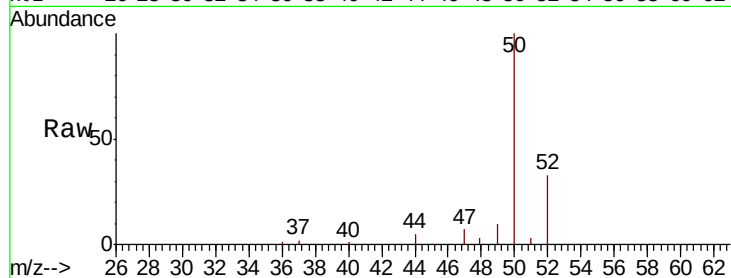
52 32.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

150000

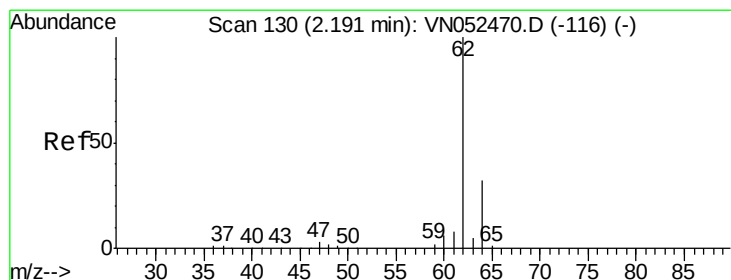
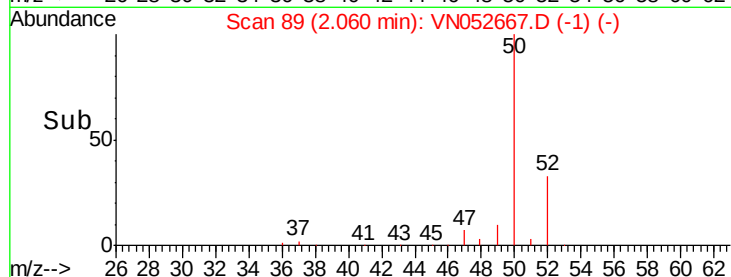
100000

50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 17.674 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052667.D

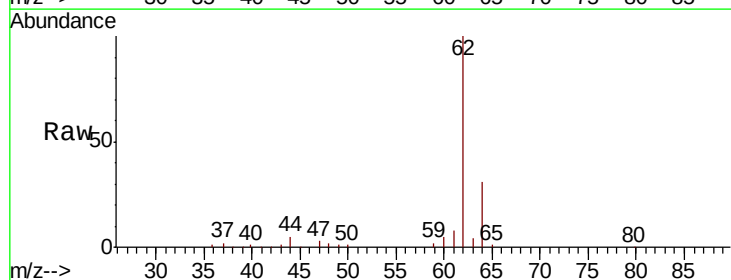
Acq: 5 Dec 2018 11:06

Tgt Ion: 62 Resp: 218652

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

150000

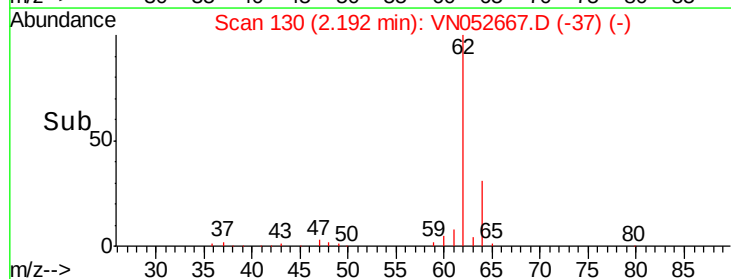
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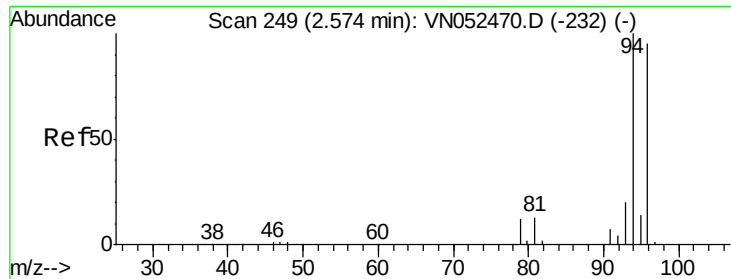
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 17.698 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 94 Resp: 136612

Ion Ratio Lower Upper

94 100

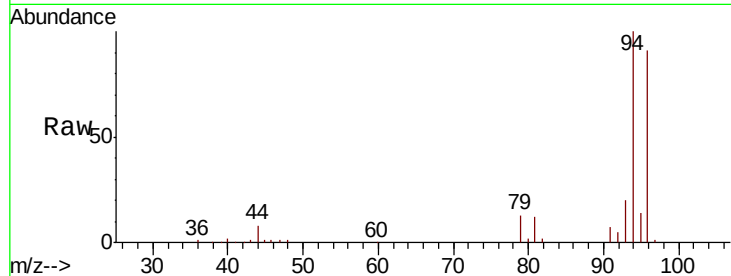
96 90.6 75.8 113.8

Manual Integrations

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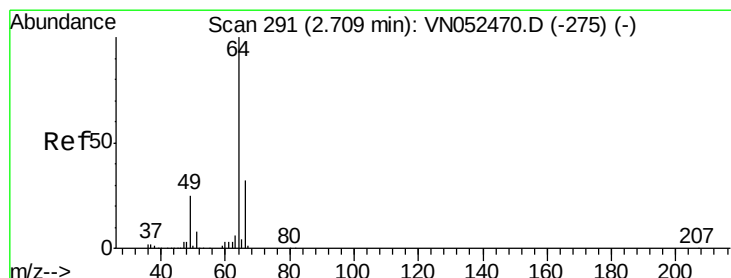
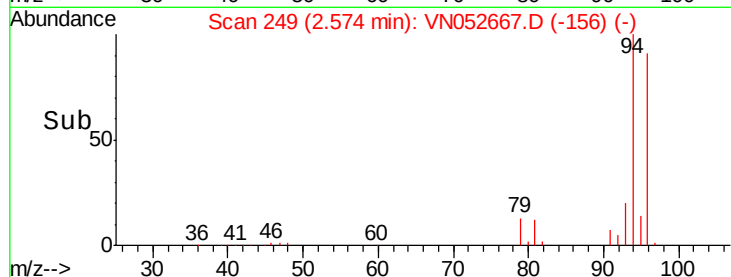
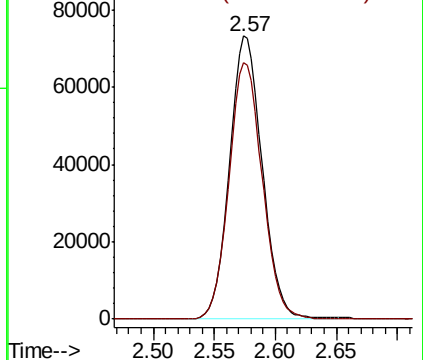
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.822 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052667.D

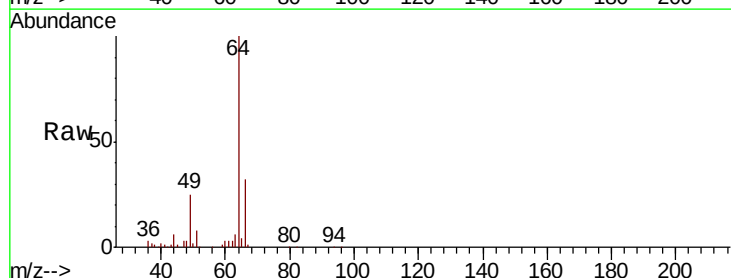
Acq: 5 Dec 2018 11:06

Tgt Ion: 64 Resp: 133549

Ion Ratio Lower Upper

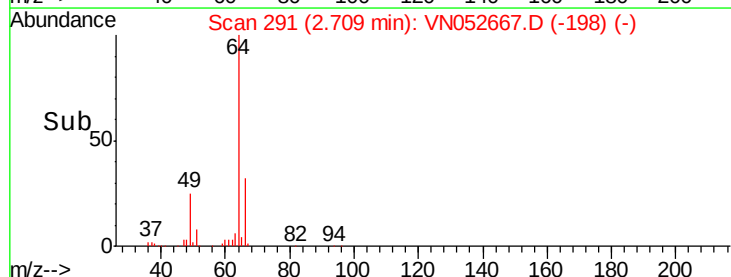
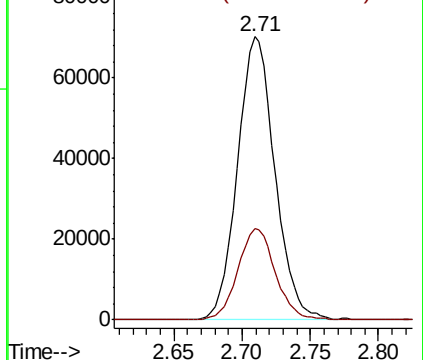
64 100

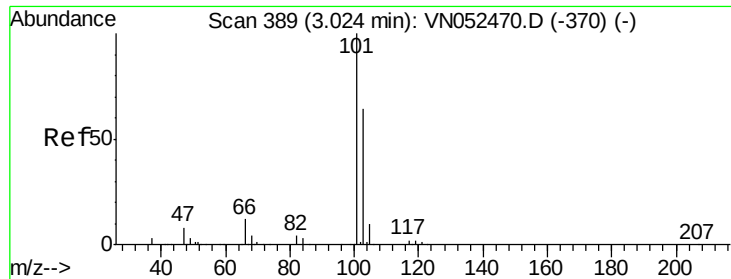
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

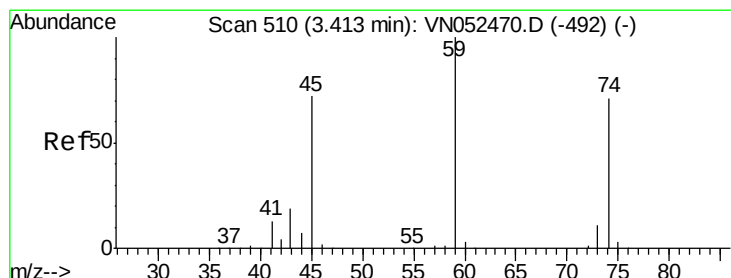
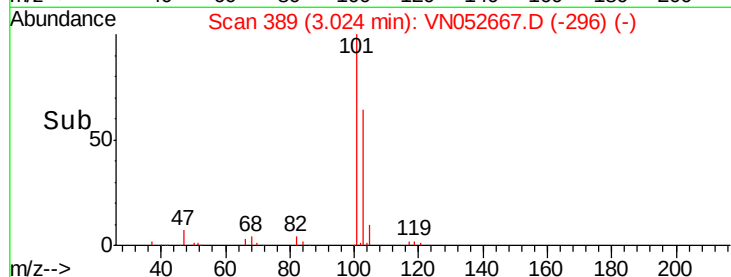
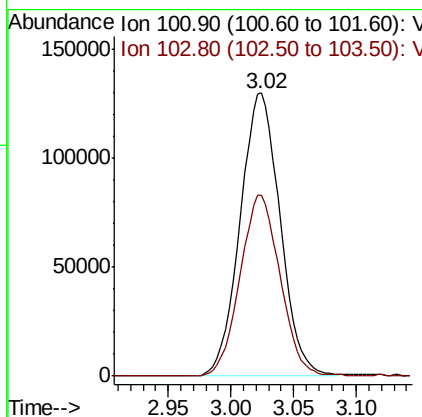
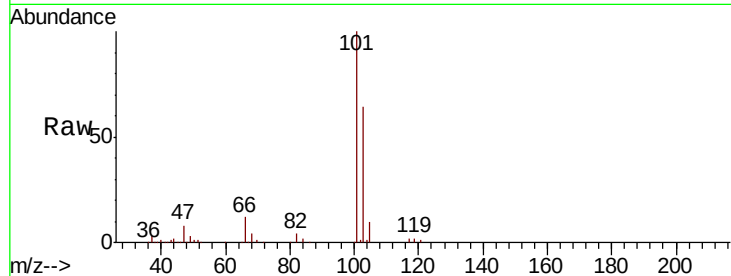
Trichlorofluoromethane
 Concen: 18.976 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.4	77.2

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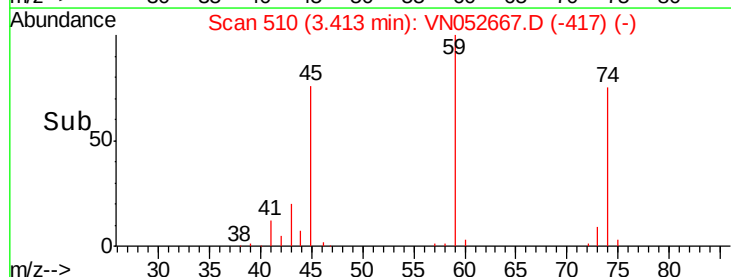
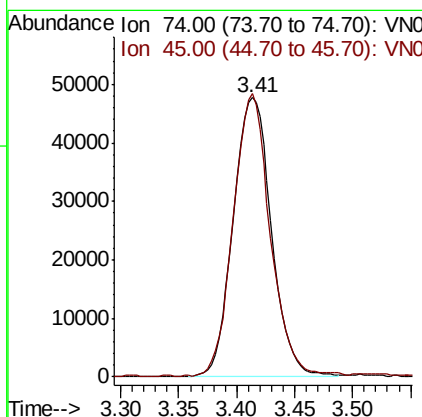
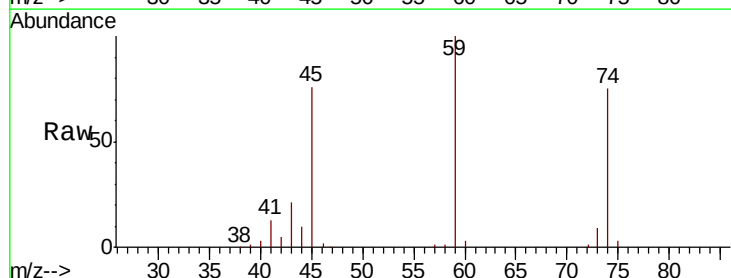
MMDadoda
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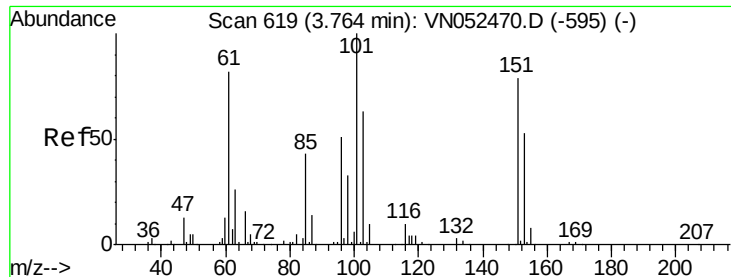


#8

Diethyl Ether
 Concen: 19.492 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.629 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

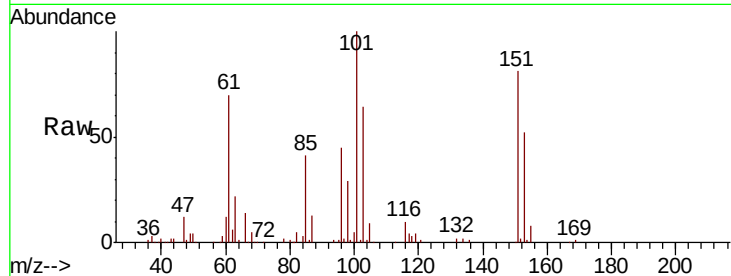
ClientSampleId :

VN1205WBS01

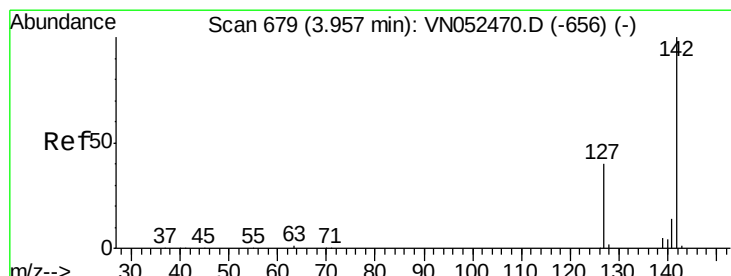
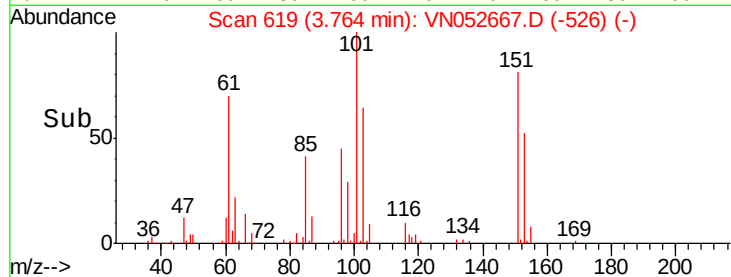
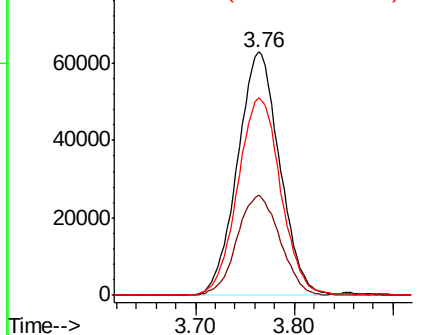
Tot Ion:	101	Resp:	186128
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.4
151	82.7	64.6	96.8

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



#10

Methyl Iodide

Concen: 20.142 ug/l

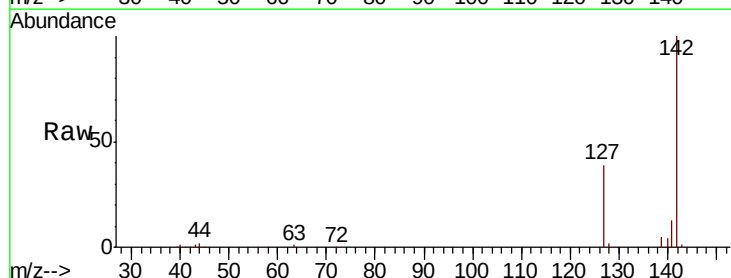
RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

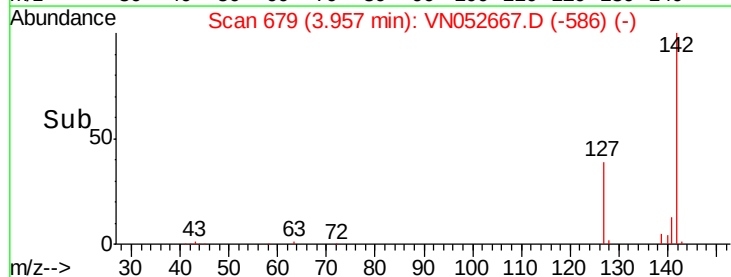
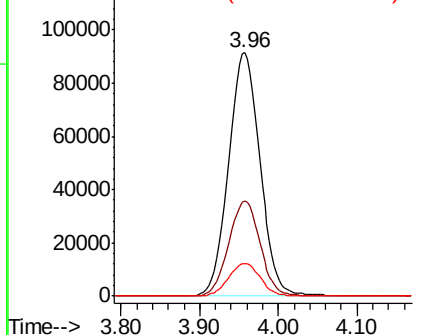
Lab File: VN052667.D

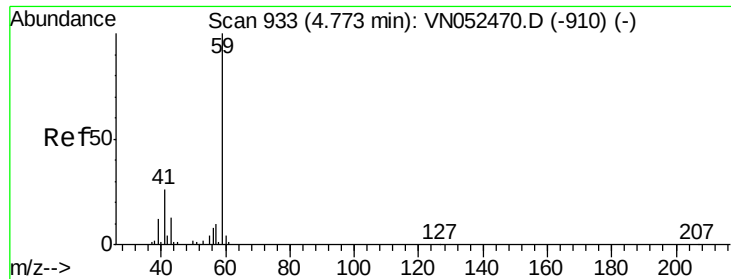
Acq: 5 Dec 2018 11:06

Tgt Ion:	142	Resp:	254381
Ion Ratio	Lower	Upper	
142	100		
127	39.3	31.8	47.6
141	13.6	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

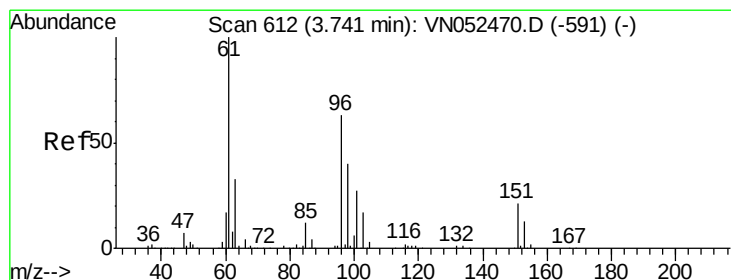
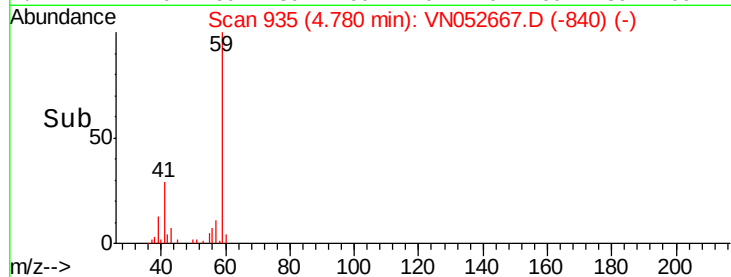
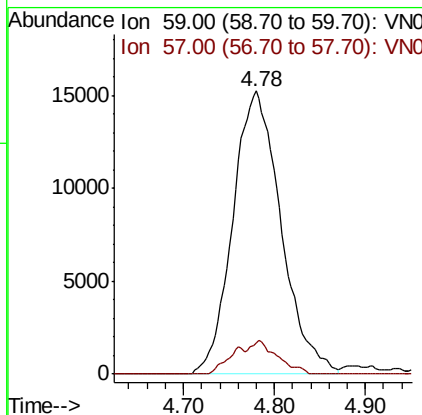
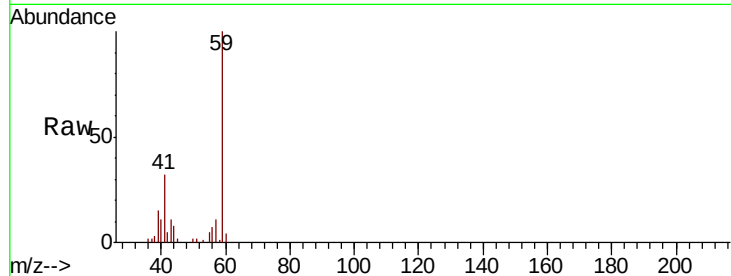
Tert butyl alcohol
 Concen: 105.612 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.6	7.9	11.9#

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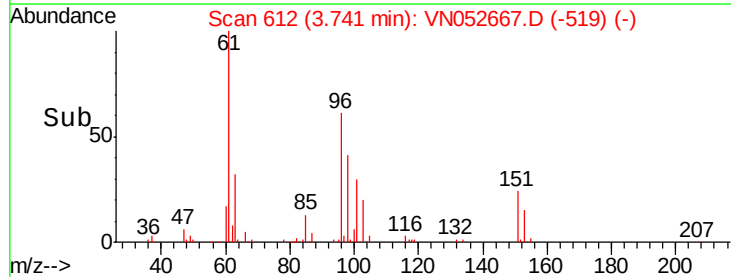
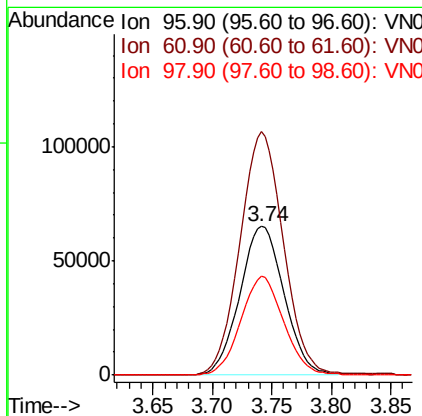
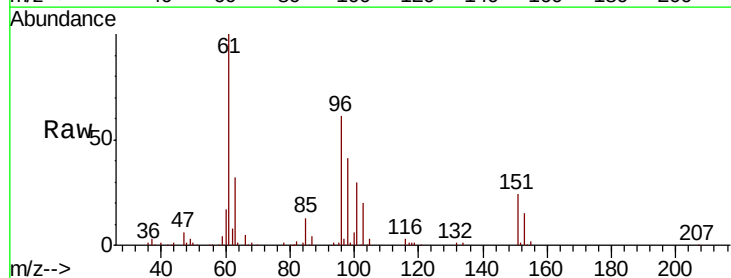
MMDadoda
 12/6/2018 9:08:57 AM

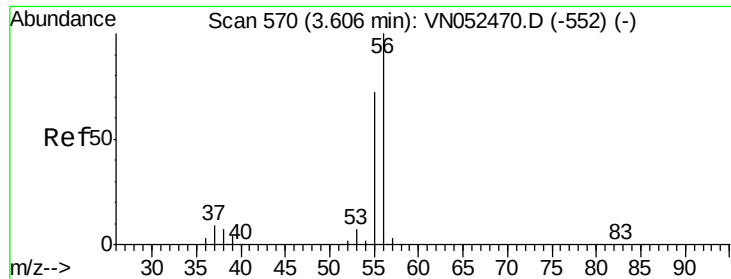


#12

1,1-Dichloroethene
 Concen: 18.428 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.6	127.0	190.6
98	66.4	50.3	75.5





#13

Acrolein

Concen: 78.099 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

Tot Ion: 56 Resp: 72094

Ion Ratio Lower Upper

56 100

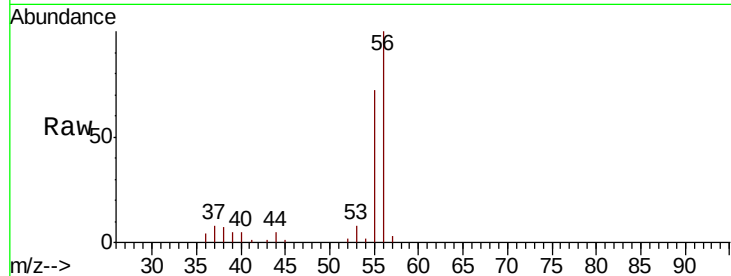
55 71.9 56.8 85.2

Manual Integrations

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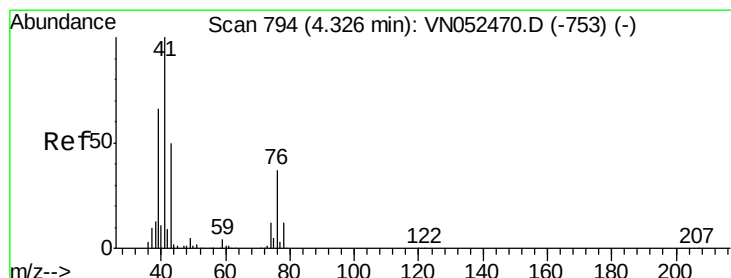
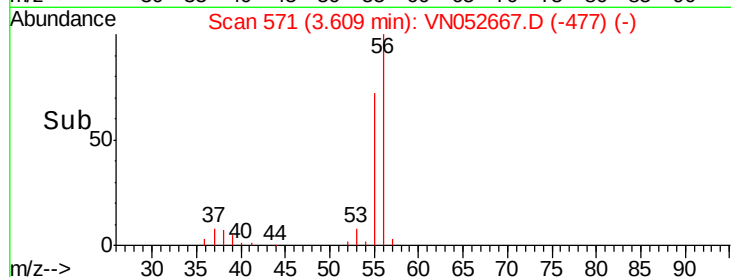
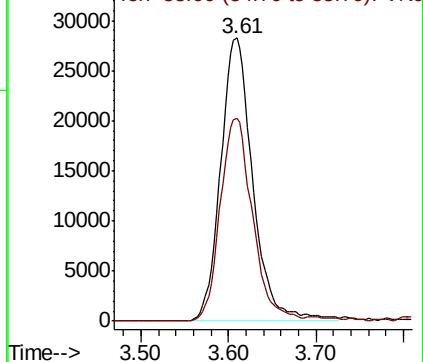
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.666 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

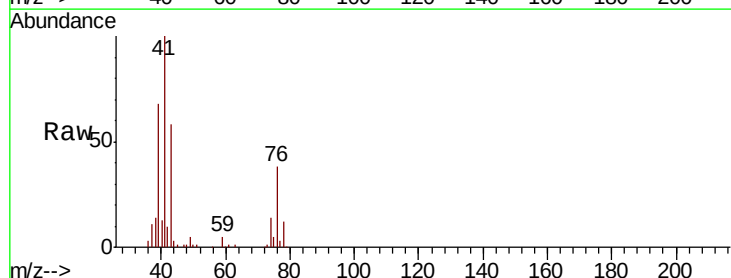
Tgt Ion: 41 Resp: 293643

Ion Ratio Lower Upper

41 100

39 64.5 50.6 76.0

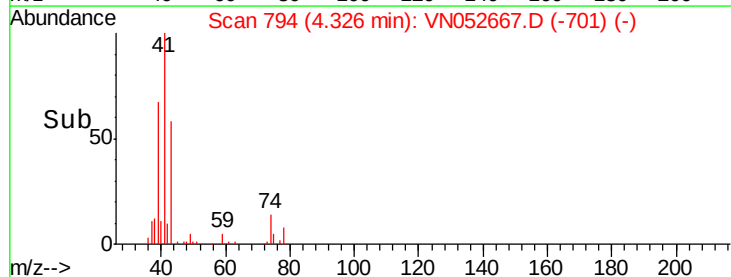
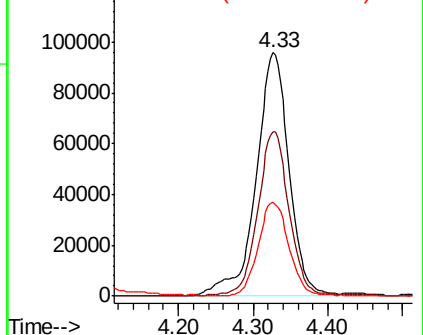
76 35.4 27.4 41.2

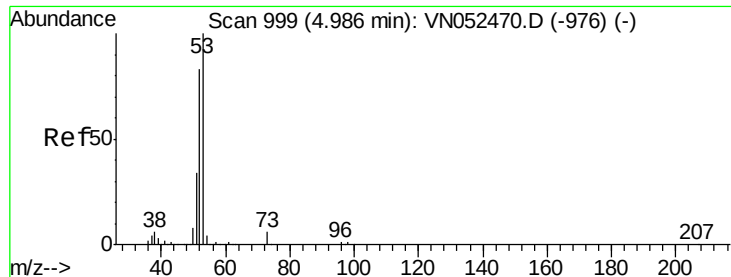


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.171 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

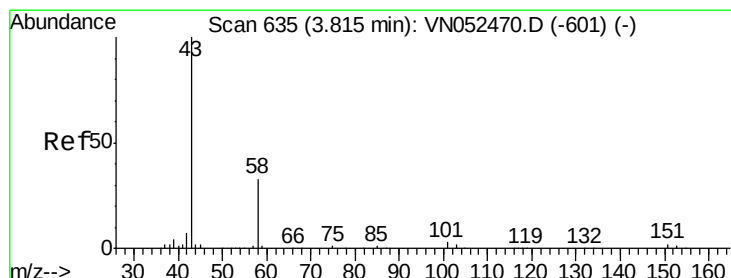
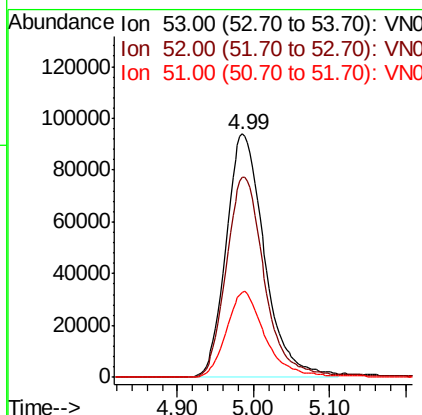
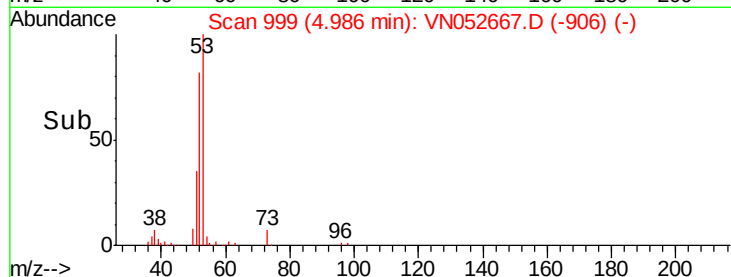
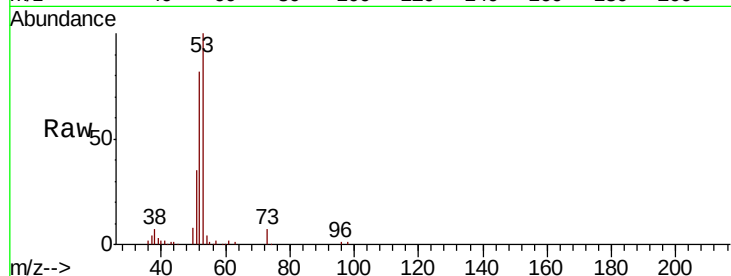
ClientSampleId :

VN1205WBS01

Tot Ion	53	Resp	330066
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	35.5	28.1	42.1

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#16

Acetone

Concen: 104.909 ug/l

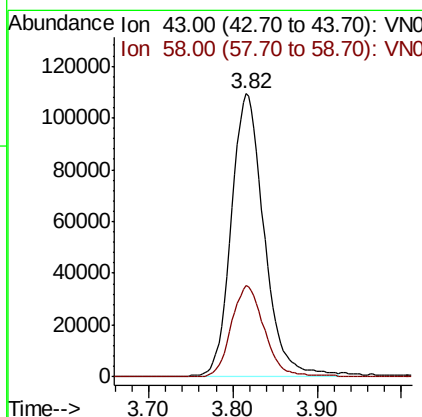
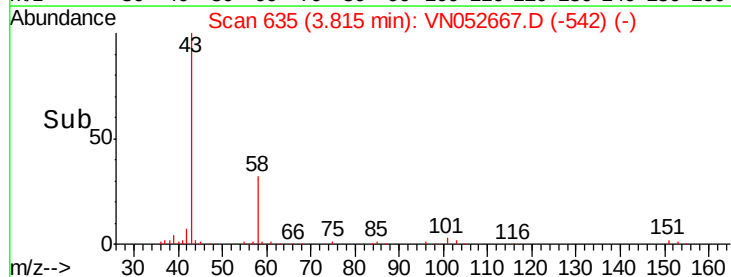
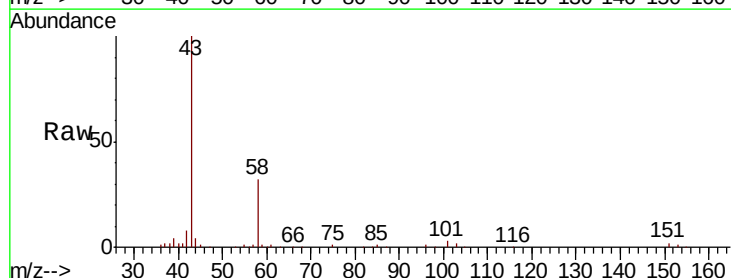
RT: 3.82 min Scan# 635

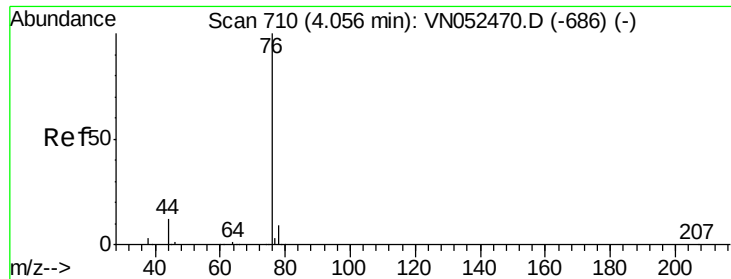
Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion	43	Resp	293568
Ion	Ratio	Lower	Upper
43	100		
58	32.3	26.0	39.0





#17

Carbon Disulfide

Concen: 16.340 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 76 Resp: 469352

Ion Ratio Lower Upper

76 100

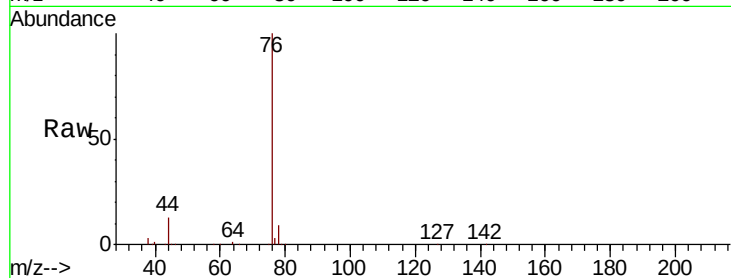
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

4.06

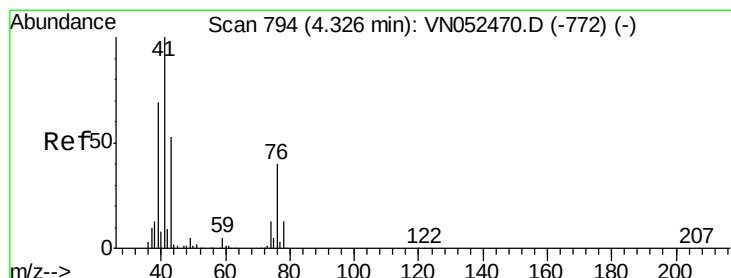
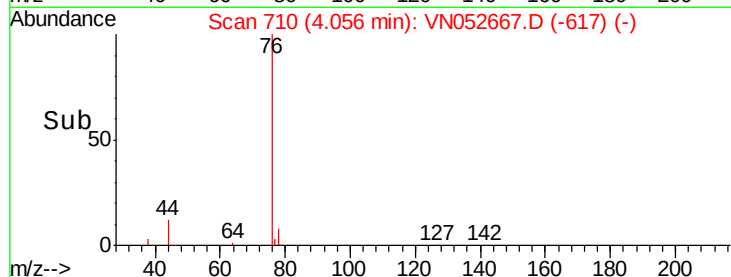
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.897 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052667.D

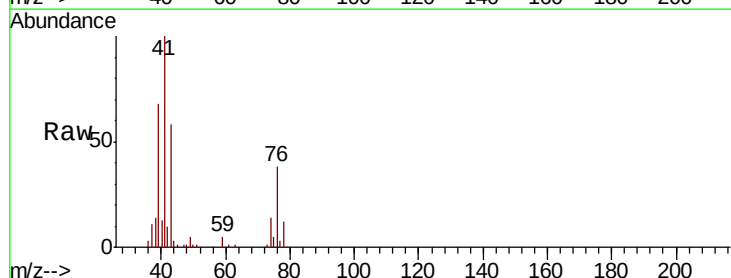
Acq: 5 Dec 2018 11:06

Tgt Ion: 43 Resp: 167739

Ion Ratio Lower Upper

43 100

74 23.6 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.33

60000

50000

40000

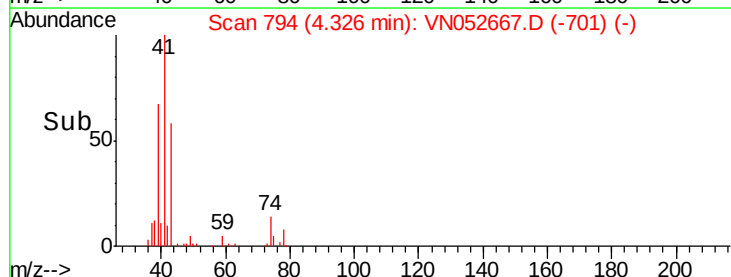
30000

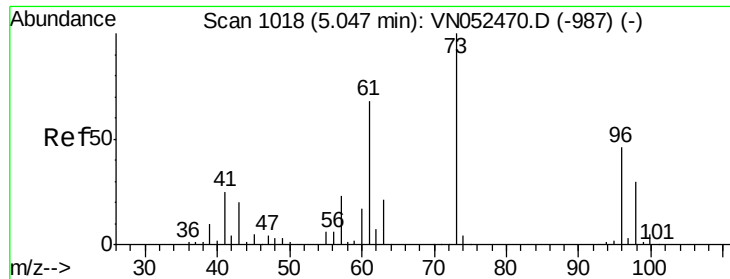
20000

10000

0

Time-->





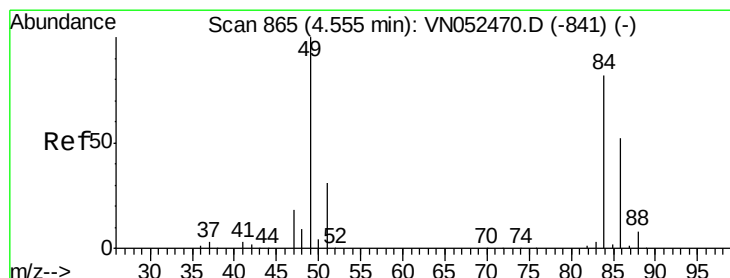
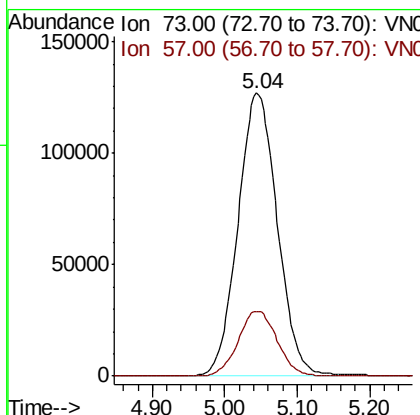
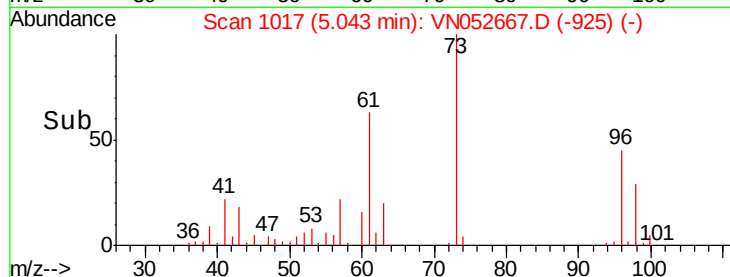
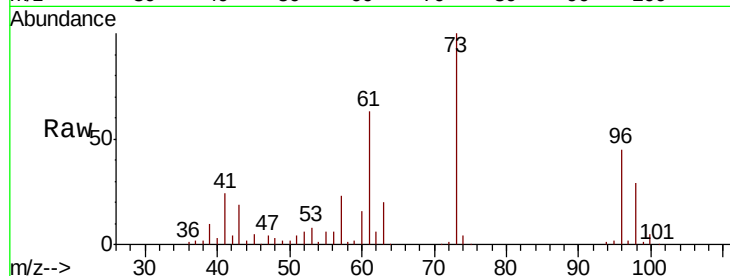
#19
Methyl tert-butyl Ether
Concen: 19.743 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion: 73 Resp: 479451
Ion Ratio Lower Upper
73 100
57 22.8 18.2 27.2

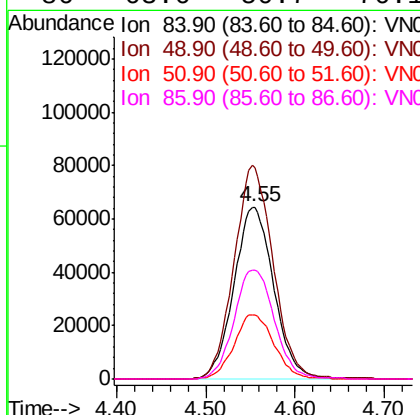
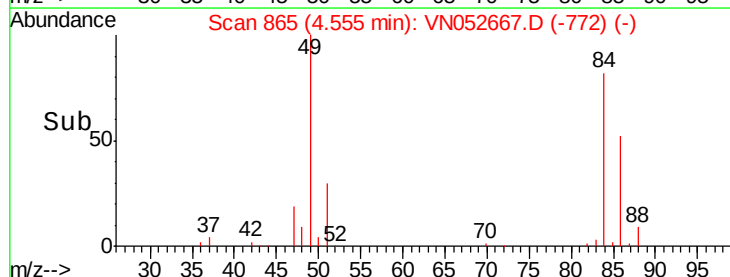
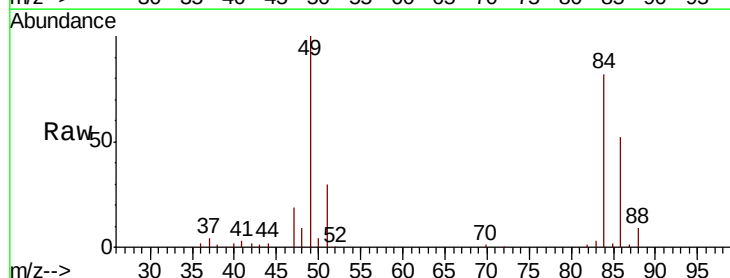
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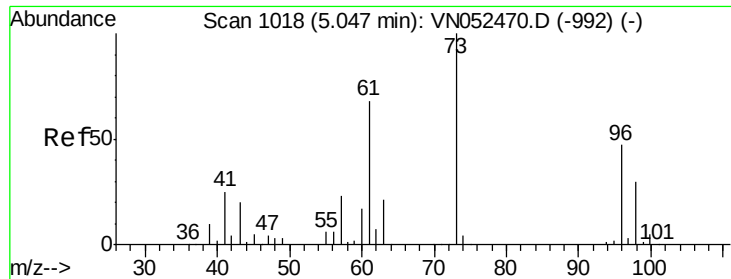
MMDadoda
12/6/2018 9:08:57 AM



#20
Methylene Chloride
Concen: 18.252 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 84 Resp: 199870
Ion Ratio Lower Upper
84 100
49 122.7 98.0 147.0
51 37.1 30.1 45.1
86 63.6 50.7 76.1





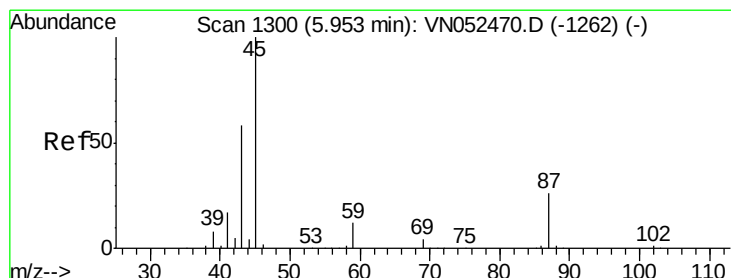
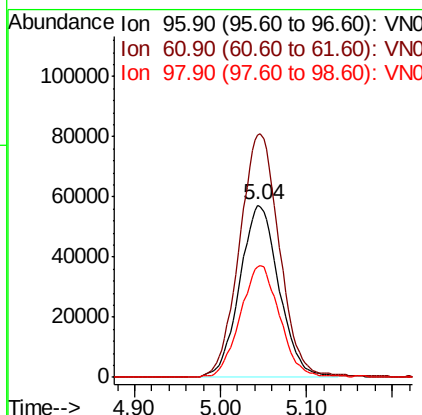
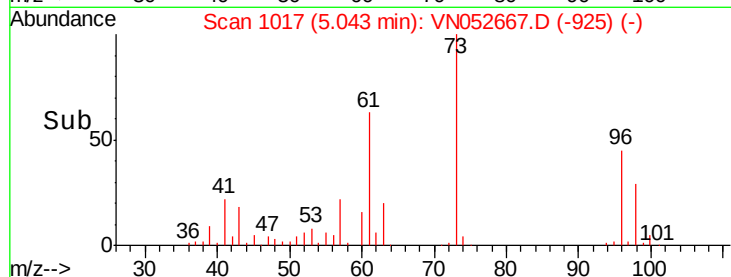
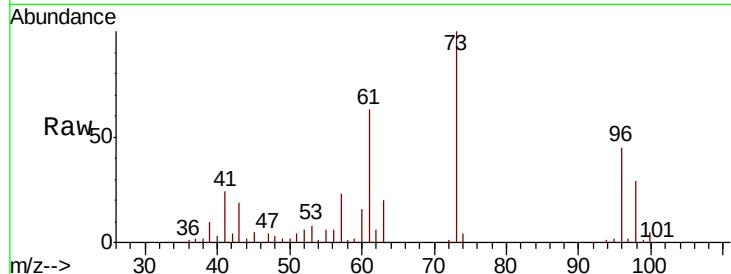
#21
trans-1,2-Dichloroethene
Concen: 18.634 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	117.0	175.4
98	64.4	51.8	77.6

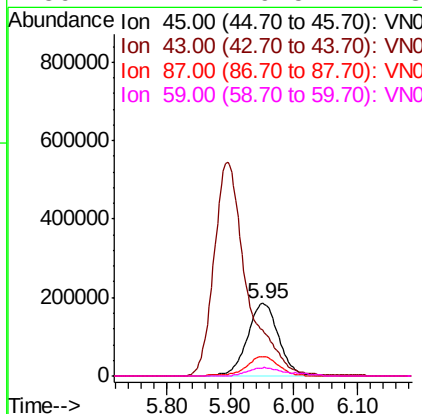
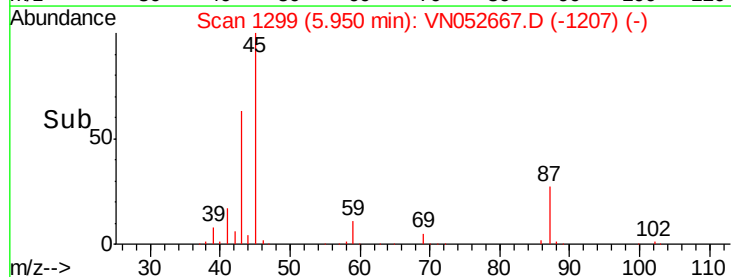
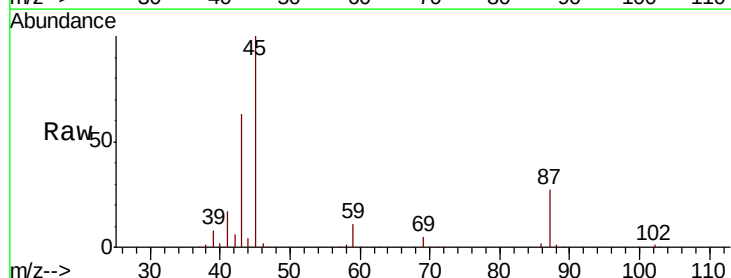
Manual Integrations
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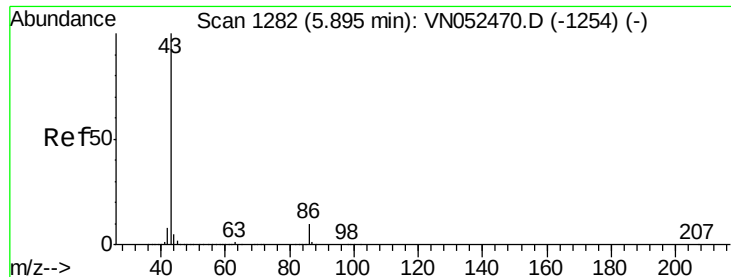
MMDadoda
12/6/2018 9:08:57 AM



#22
Diisopropyl ether
Concen: 19.195 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	46.1	69.1
87	27.1	21.3	31.9
59	11.2	9.5	14.3





#23

Vinyl Acetate

Concen: 94.831 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

Tot Ion: 43 Resp: 1951769

Ion Ratio Lower Upper

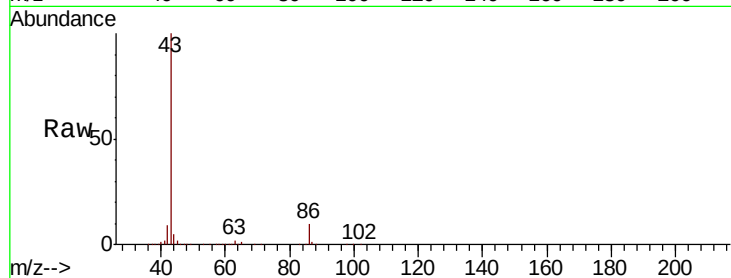
43 100

86 10.1 7.8 11.8

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Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

5.90

600000

500000

400000

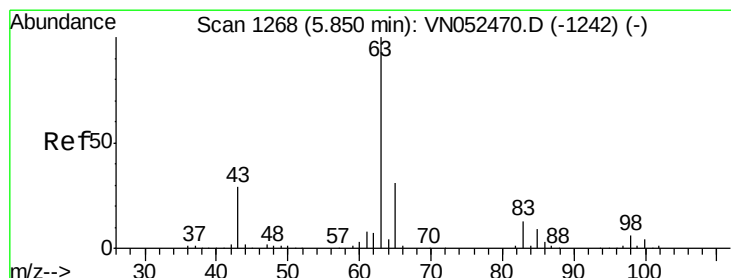
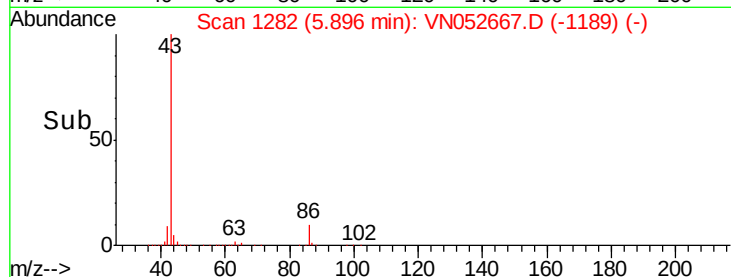
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.201 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

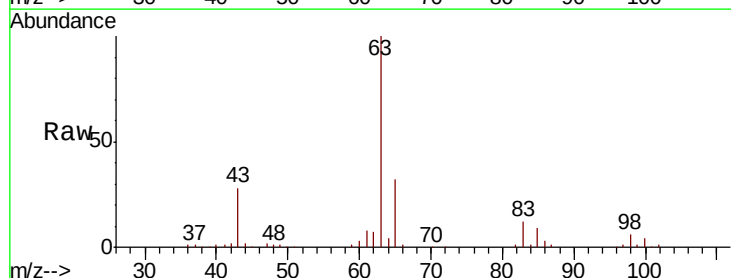
Tgt Ion: 63 Resp: 362257

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.7 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

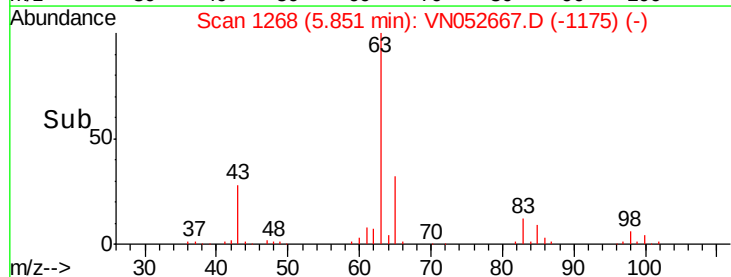
150000

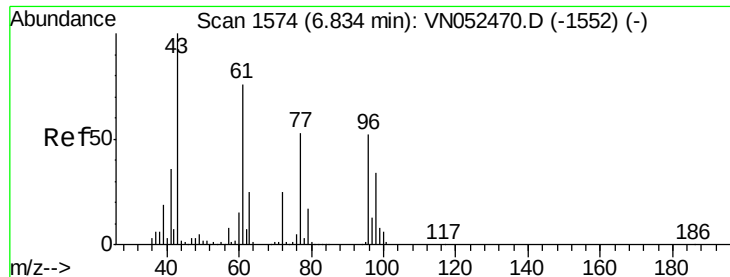
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 99.560 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 43 Resp: 394887

Ion Ratio Lower Upper

43 100

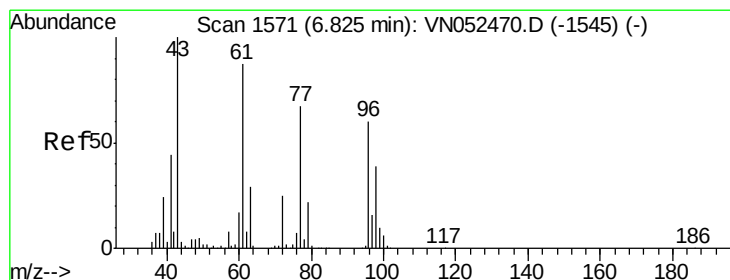
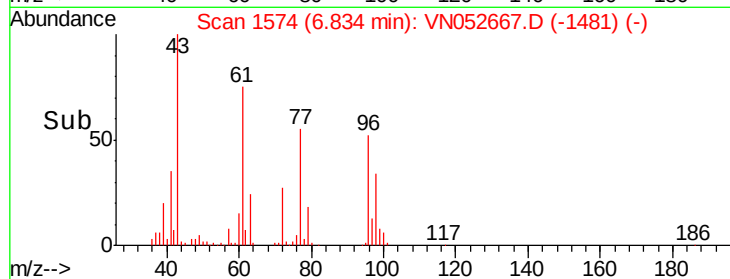
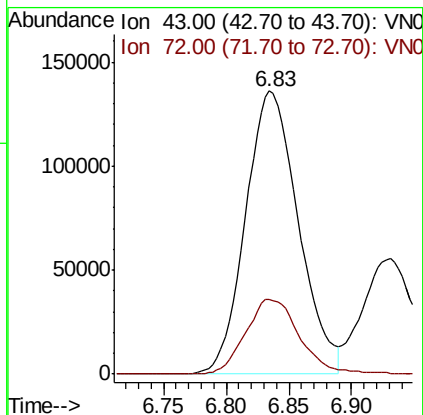
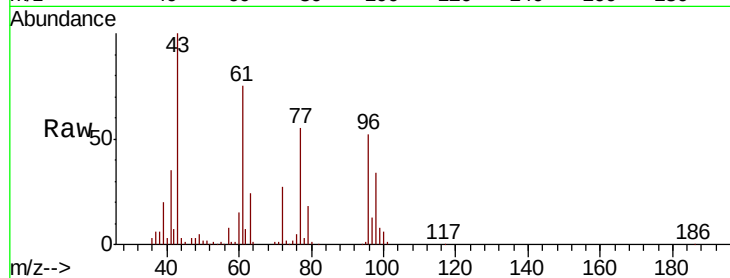
72 26.7 20.1 30.1

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 20.242 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN052667.D

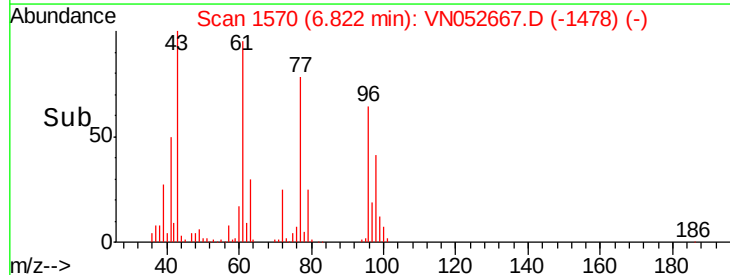
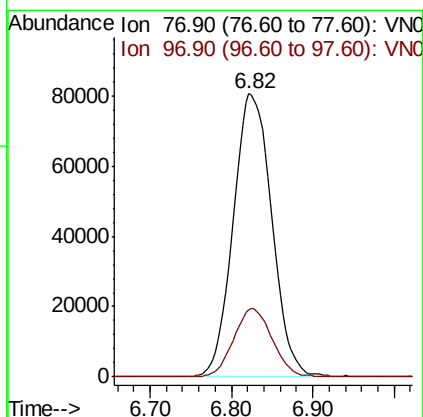
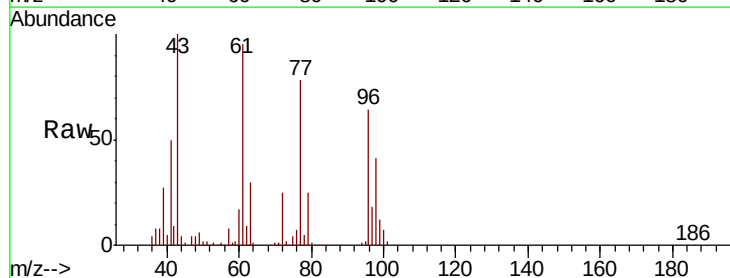
Acq: 5 Dec 2018 11:06

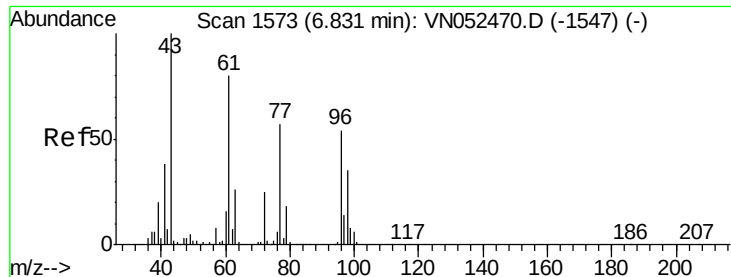
Tgt Ion: 77 Resp: 264343

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 19.020 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

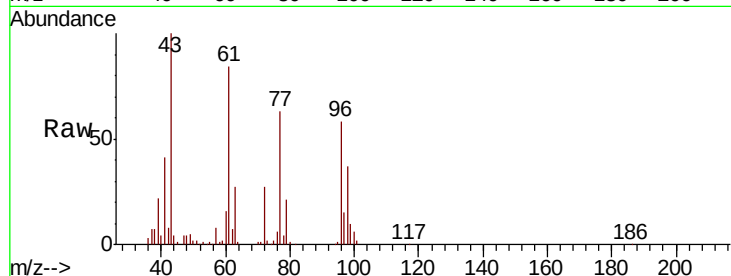
ClientSampleId :

VN1205WBS01

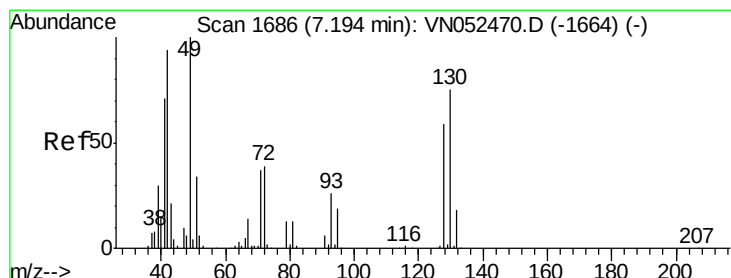
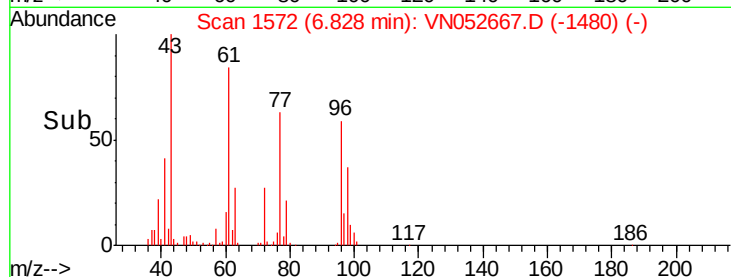
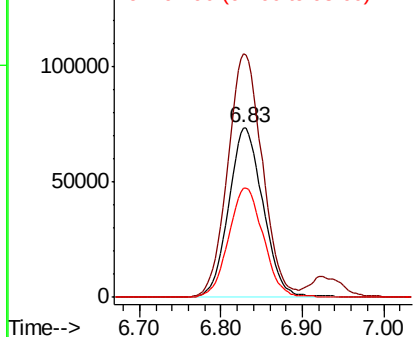
Tot Ion:	96	Resp:	215986
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	291.0
98	65.1	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.347 ug/l

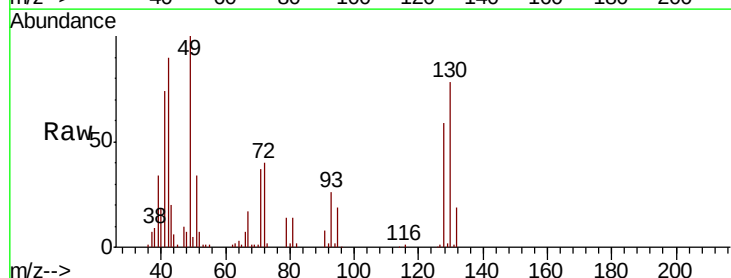
RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

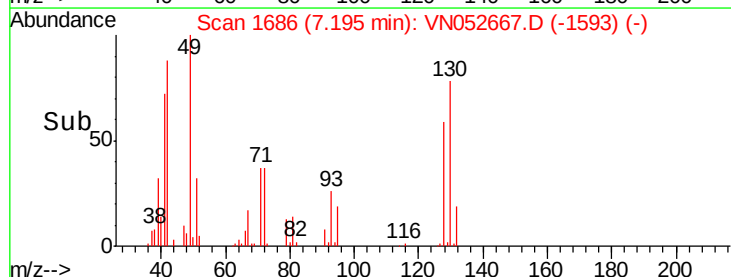
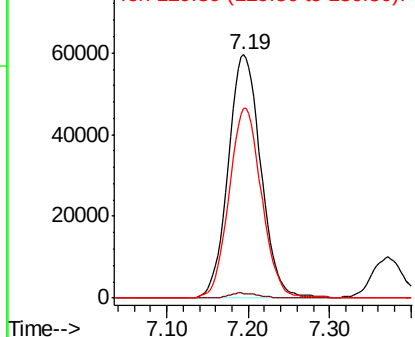
Lab File: VN052667.D

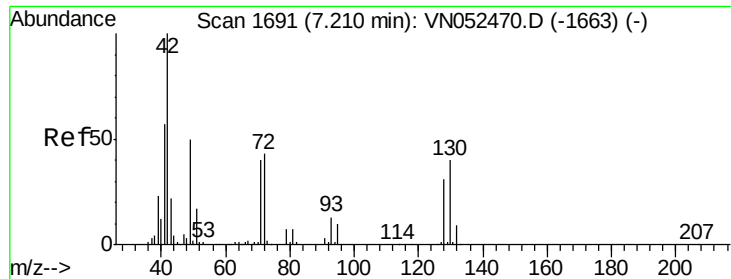
Acq: 5 Dec 2018 11:06

Tgt Ion:	49	Resp:	166726
Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	77.5	60.2	90.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





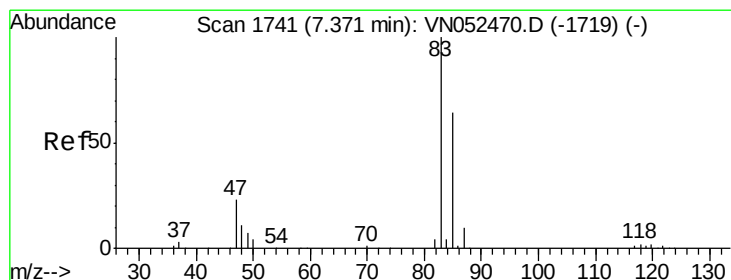
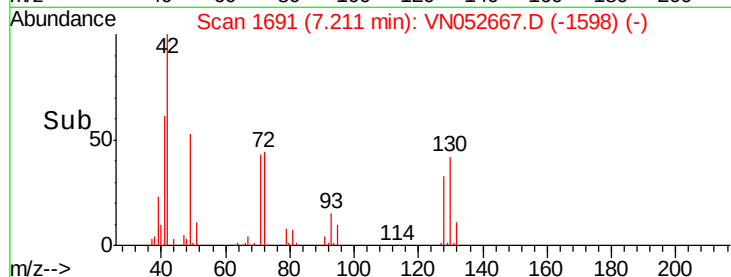
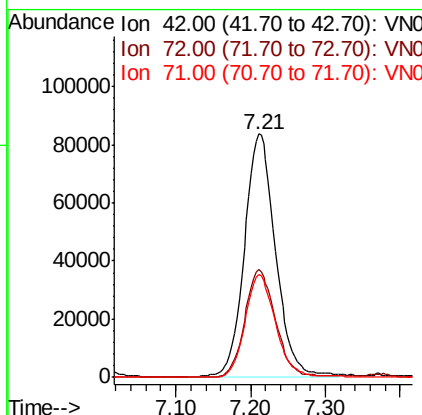
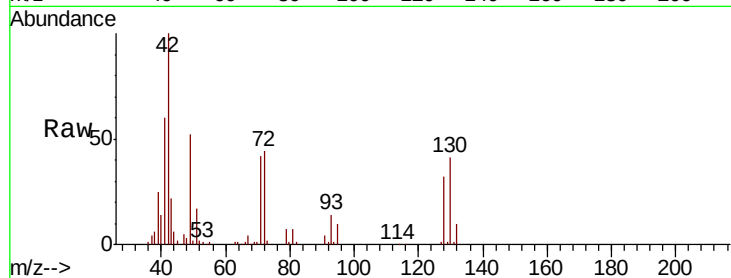
#29
Tetrahydrofuran
Concen: 94.075 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	33.3	49.9
71	41.4	32.0	48.0

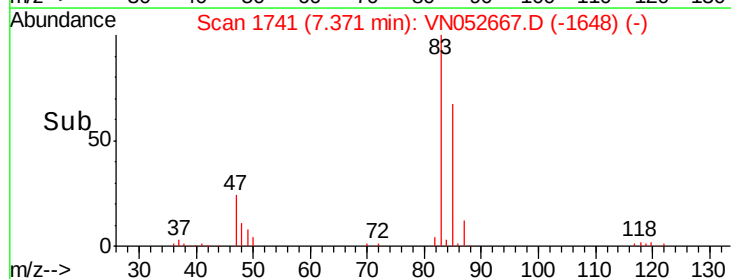
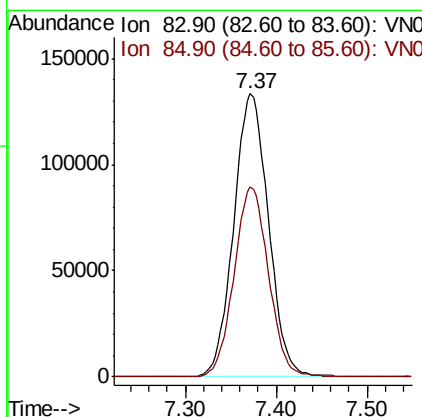
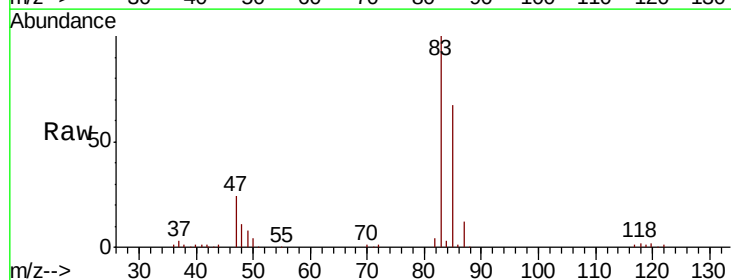
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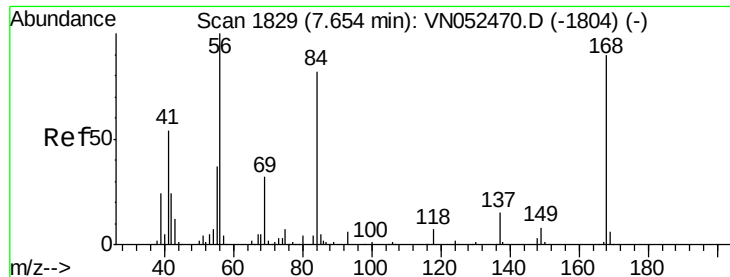
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#30
Chloroform
Concen: 18.809 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.0	76.4





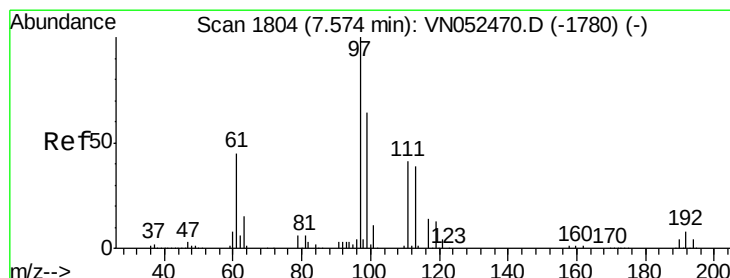
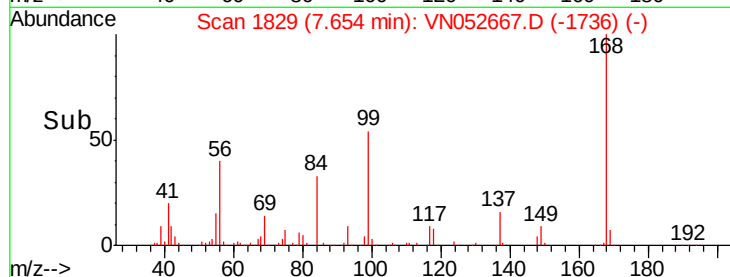
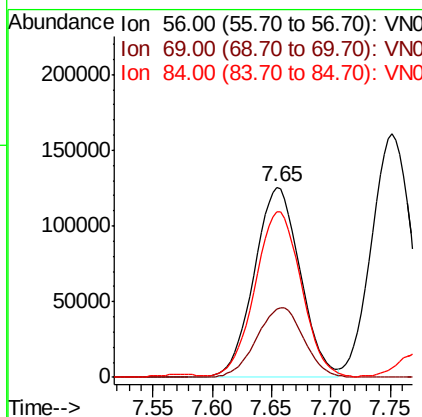
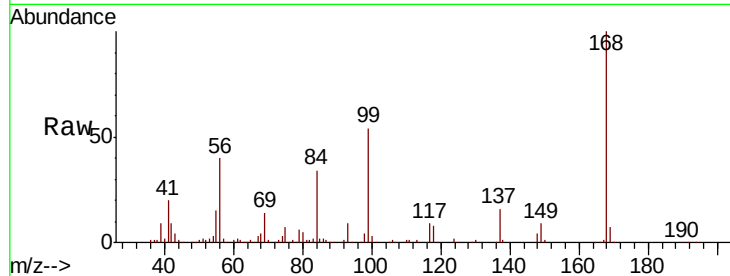
#31
Cyclohexane
Concen: 18.135 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.8	38.6
84	85.8	65.3	97.9

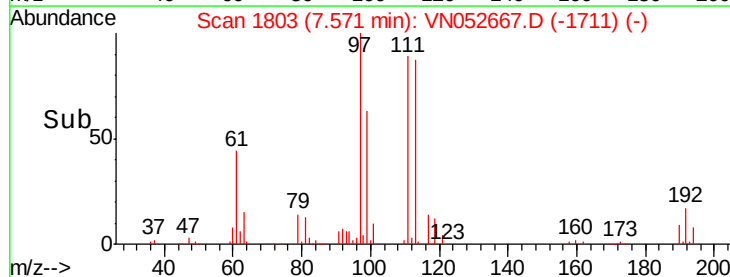
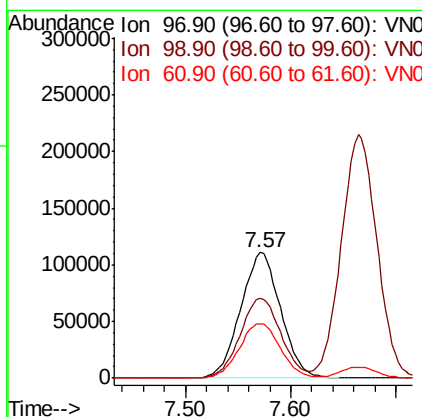
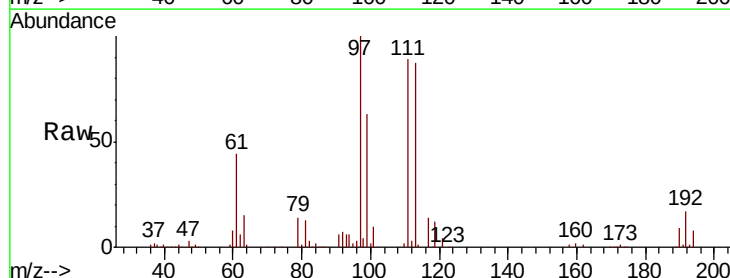
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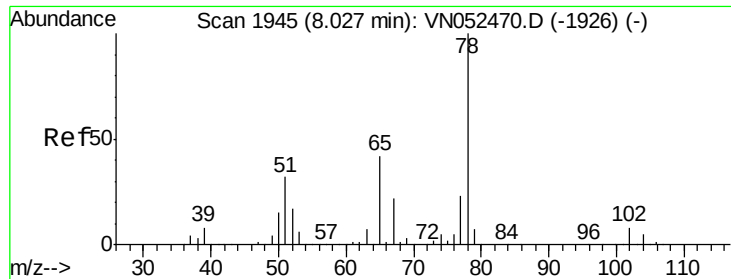
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#32
1,1,1-Trichloroethane
Concen: 19.603 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.7	77.5
61	44.9	36.8	55.2





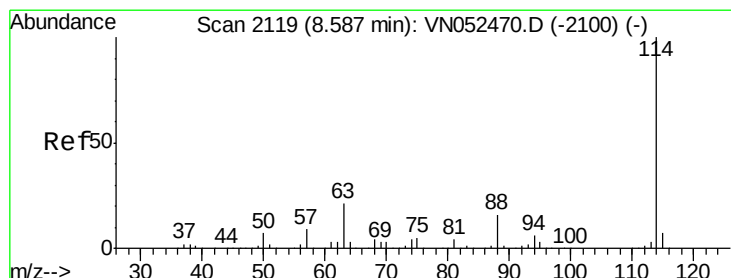
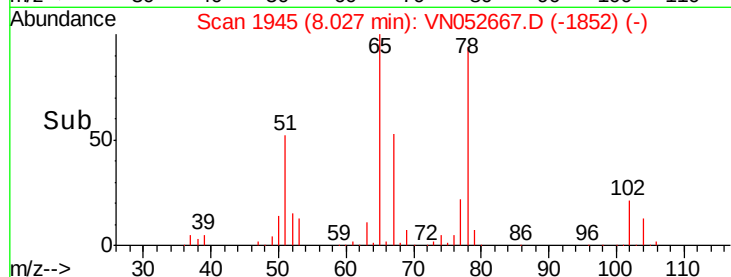
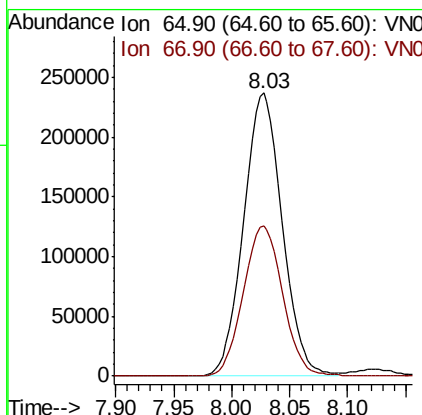
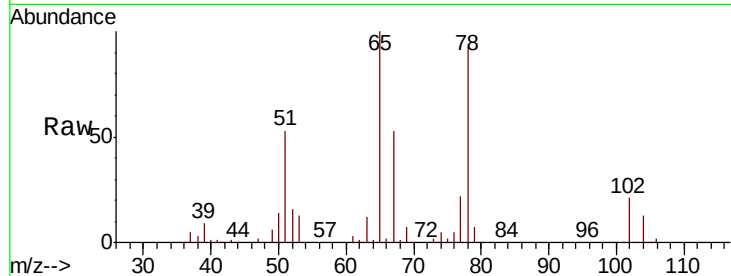
#33
 1,2-Dichloroethane-d4
 Concen: 19.603 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	109.8	

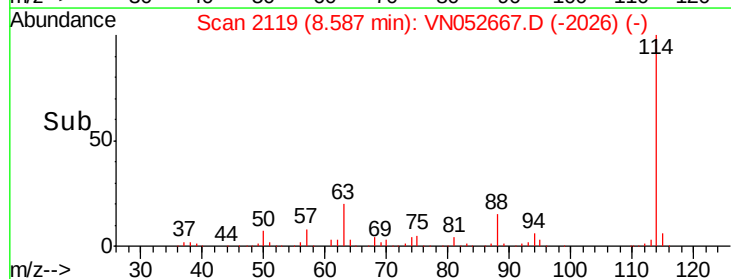
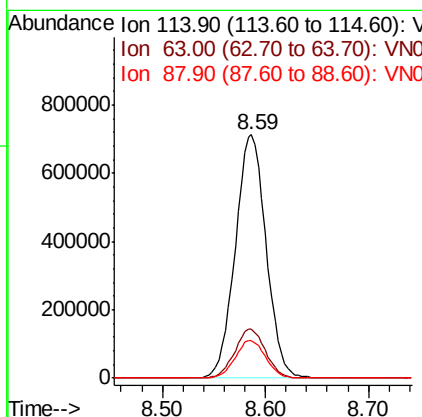
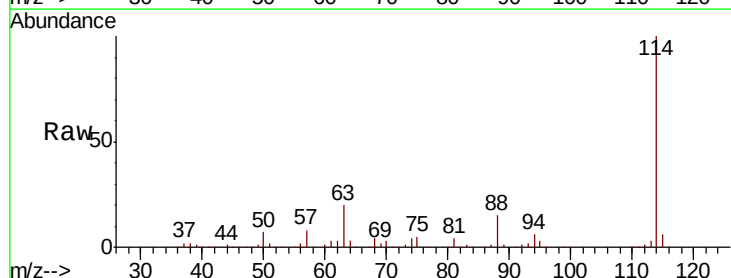
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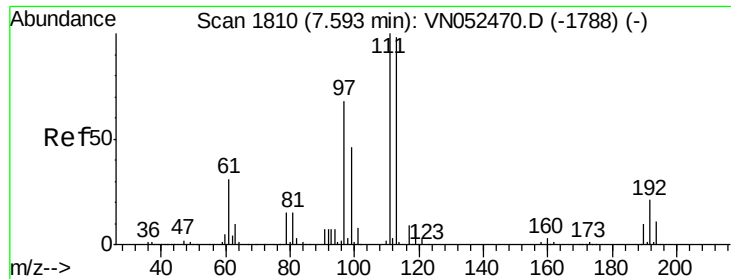
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.0	0.0	41.8	
88	15.3	0.0	31.6	





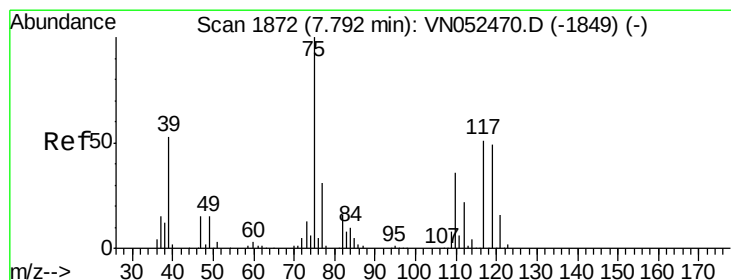
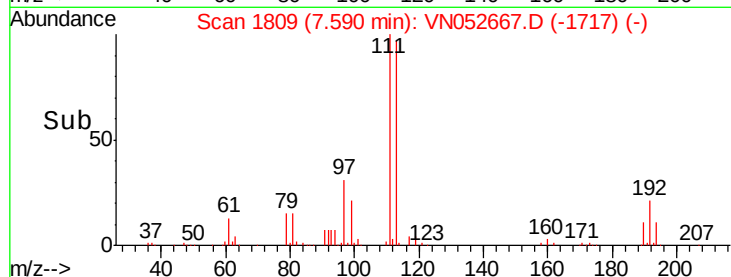
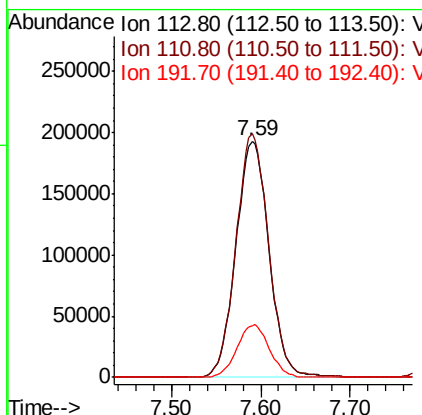
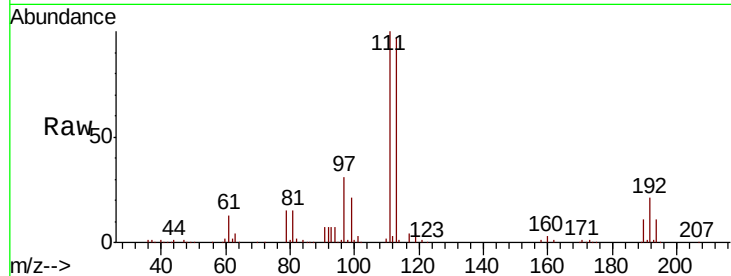
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	496247		
111	102.4		82.0	123.0
192	21.8		17.0	25.6

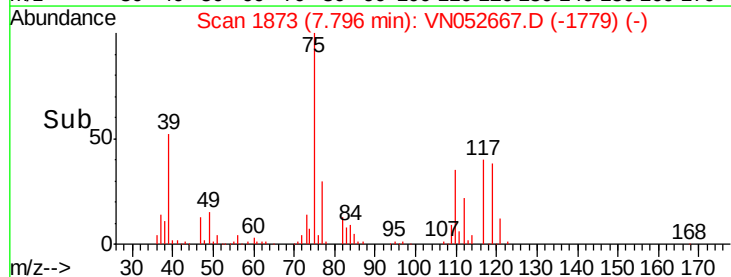
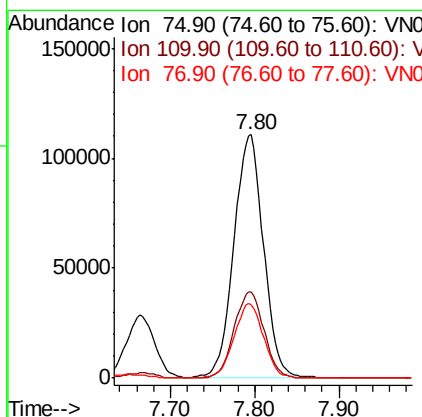
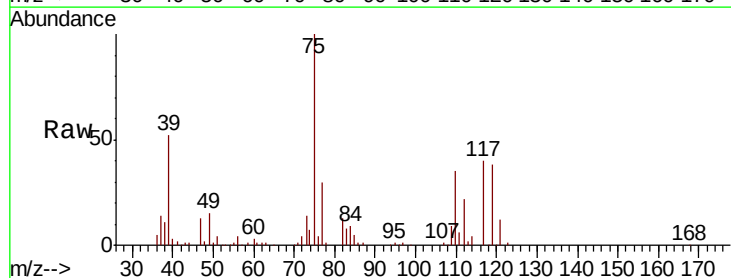
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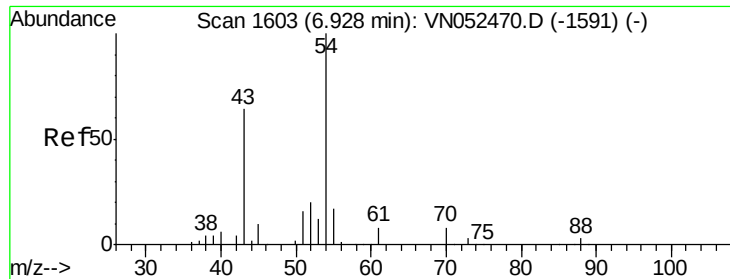
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#36
 1,1-Dichloropropene
 Concen: 19.440 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	271848		
110	35.6		17.5	52.6
77	30.7		24.5	36.7





#37

Ethyl Acetate

Concen: 19.047 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

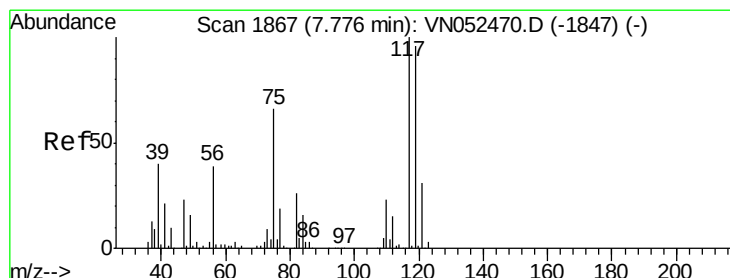
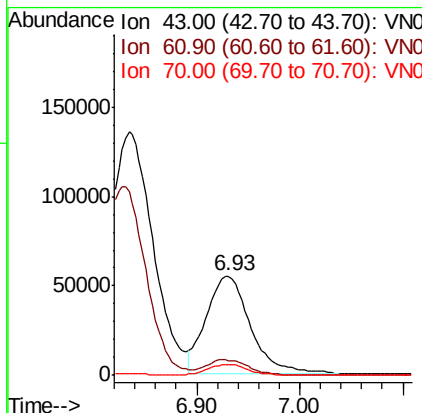
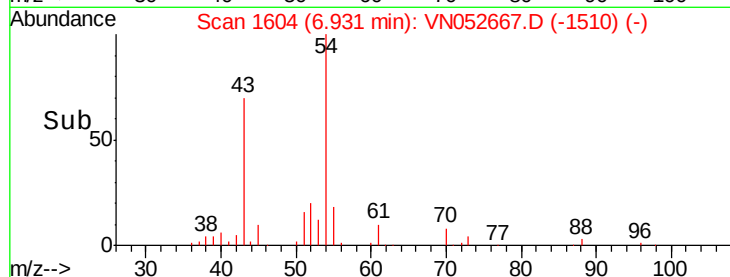
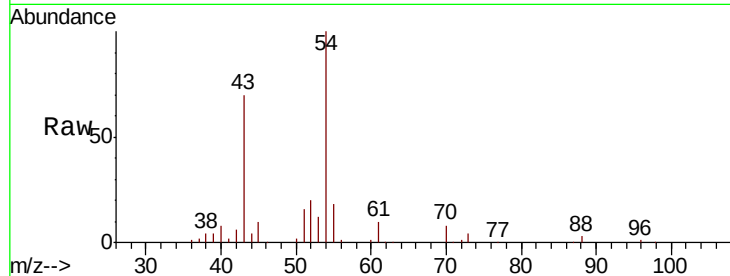
ClientSampleId :

VN1205WBS01

Tot Ion:	43	Resp:	162553
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.8	17.8
70	10.4	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 19.950 ug/l

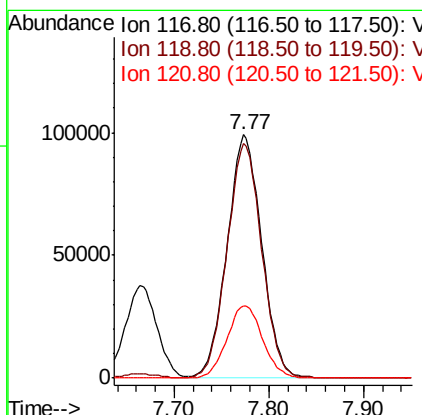
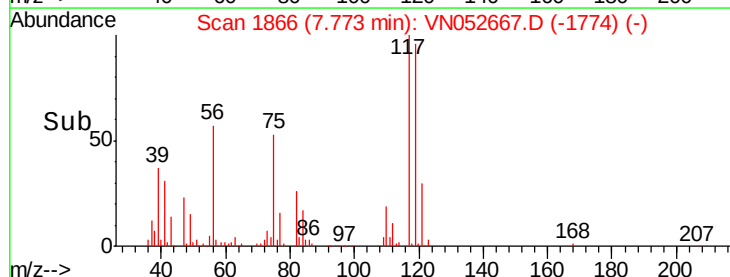
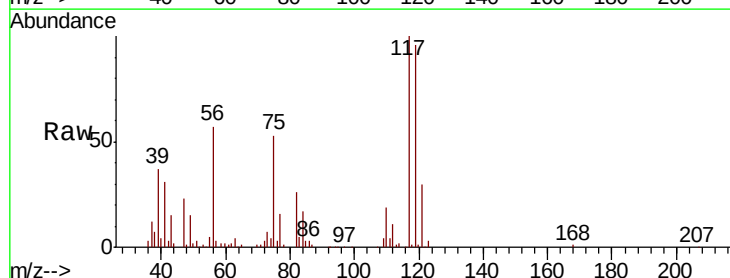
RT: 7.77 min Scan# 1866

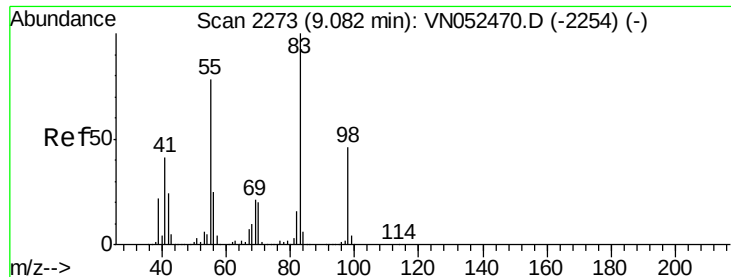
Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	117	Resp:	252550
Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.8	115.2
121	29.6	24.9	37.3





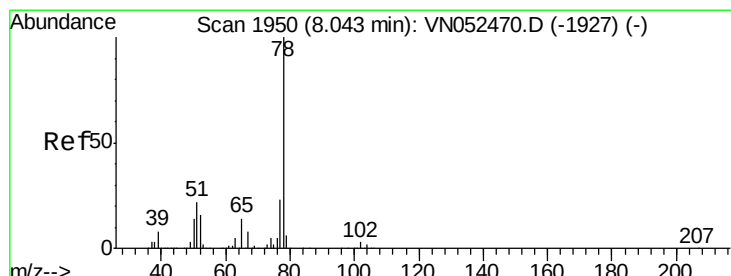
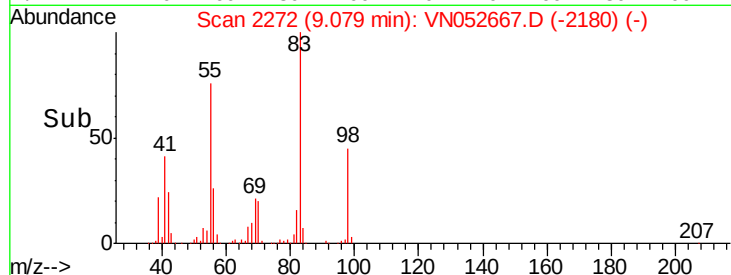
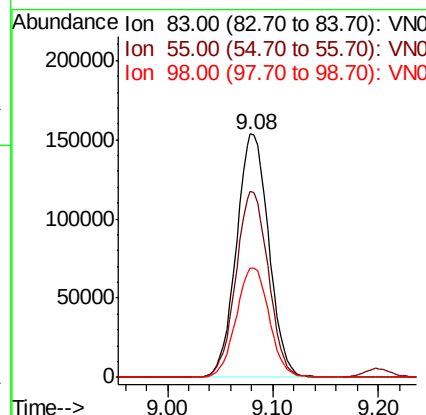
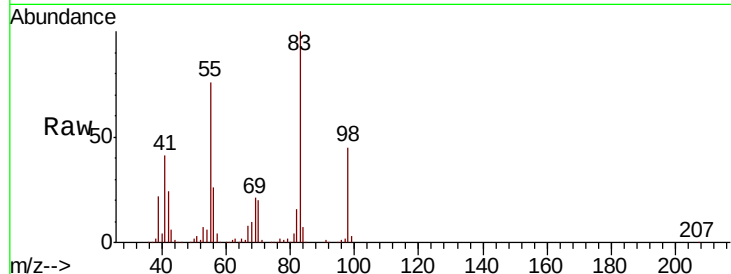
#39
Methylvlcyclohexane
Concen: 19.246 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.2	62.2	93.2	
98	44.9	36.4	54.6	

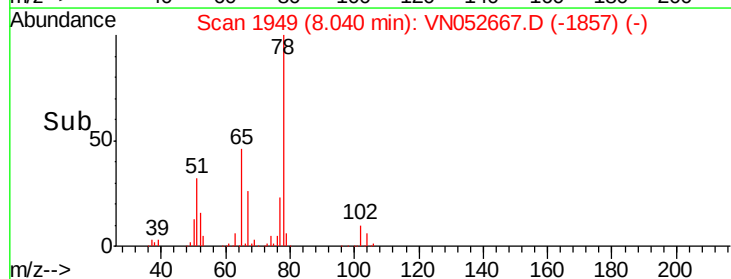
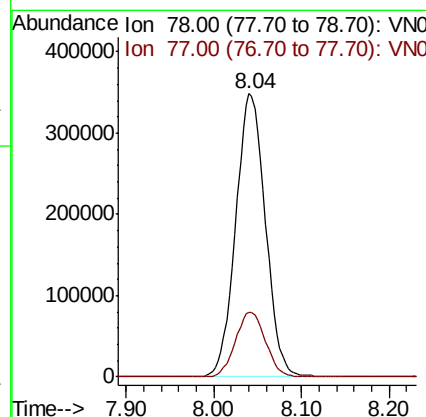
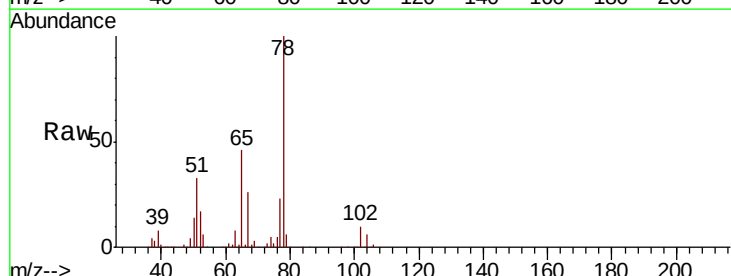
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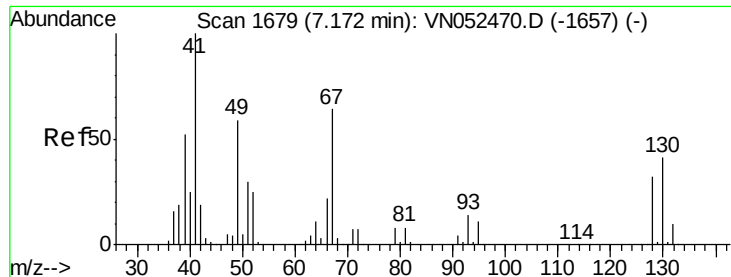
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#40
Benzene
Concen: 19.658 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	18.8	28.2	





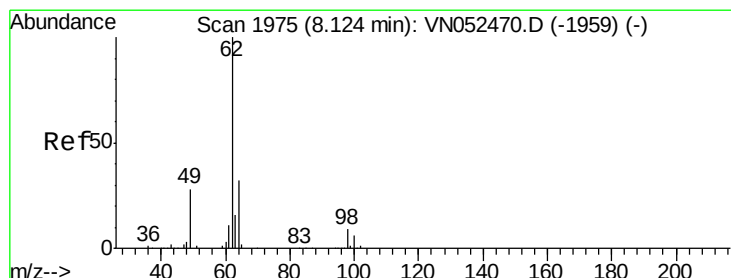
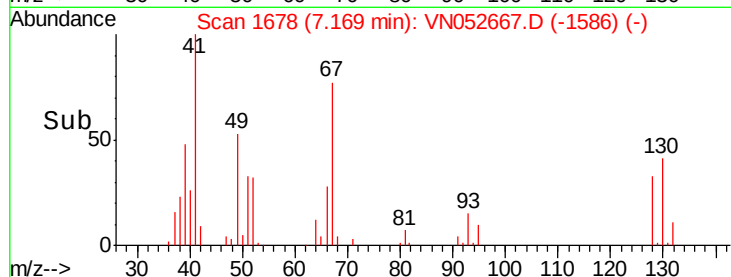
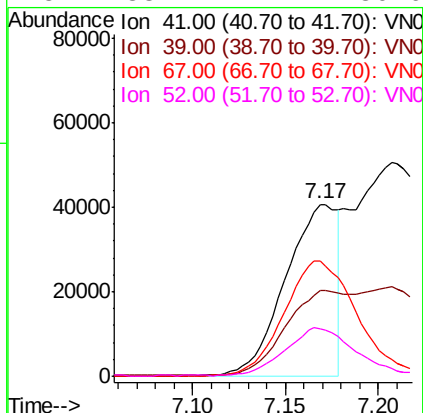
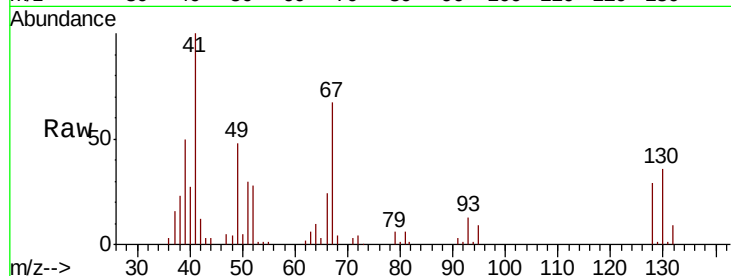
#41
Methacrylonitrile
Concen: 17.092 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.7	50.9	76.3	
67	94.5	63.6	95.4	
52	38.7	24.4	36.6	

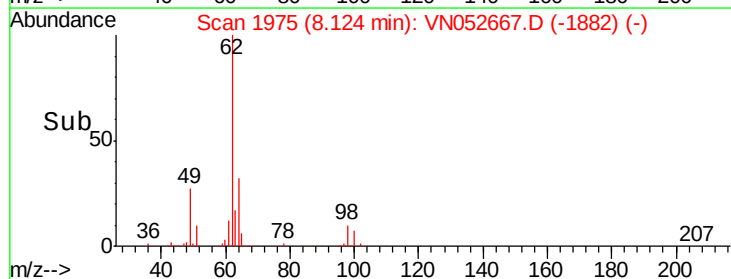
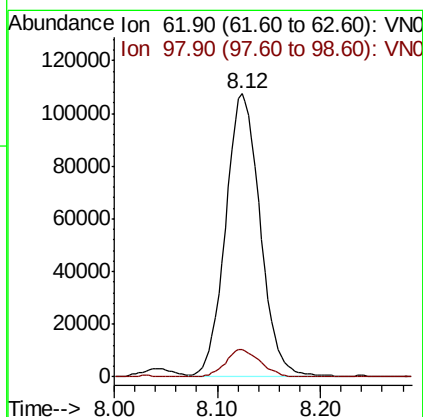
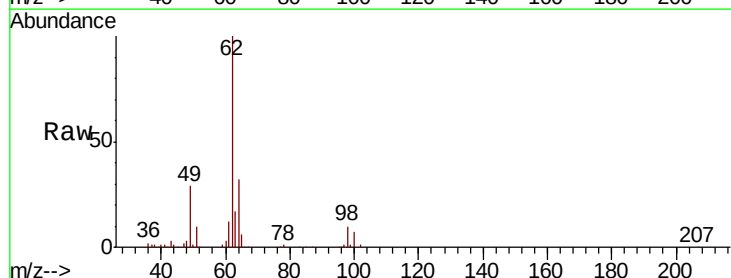
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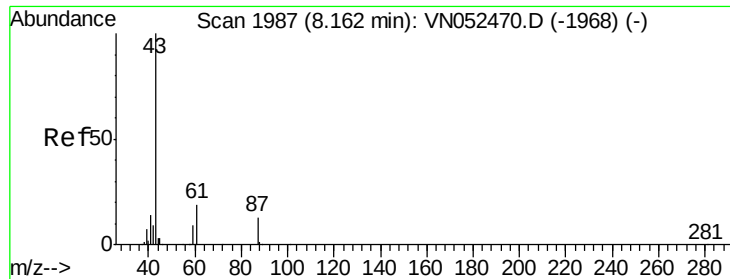
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#42
1,2-Dichloroethane
Concen: 19.784 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	0.0	18.6	





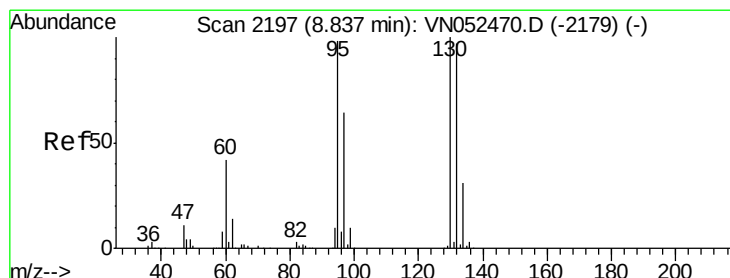
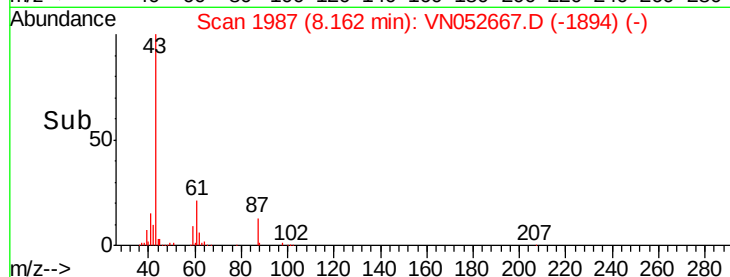
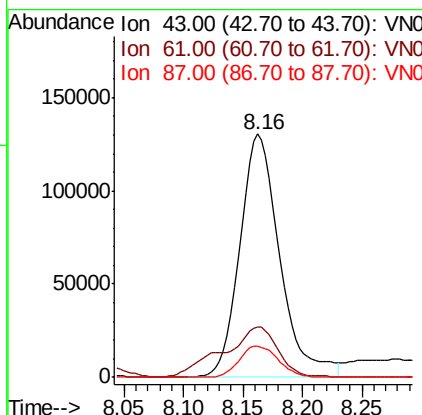
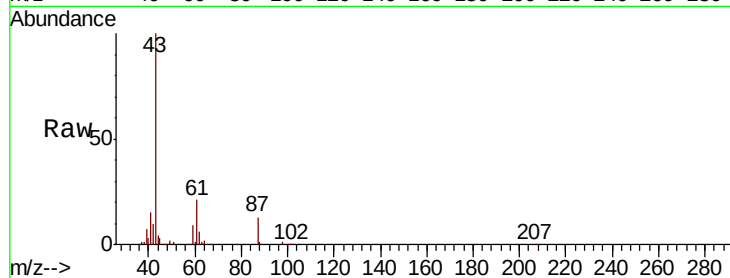
#43
Isopropyl Acetate
Concen: 20.978 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	24.1	36.1
87	12.7	10.6	15.8

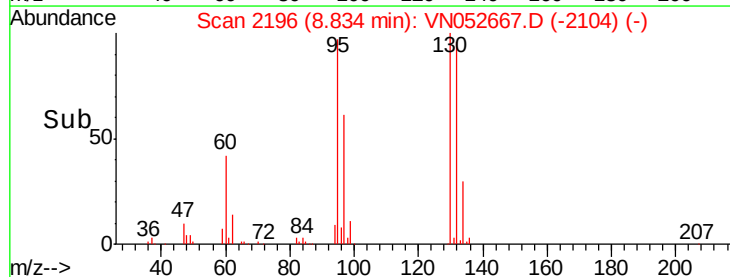
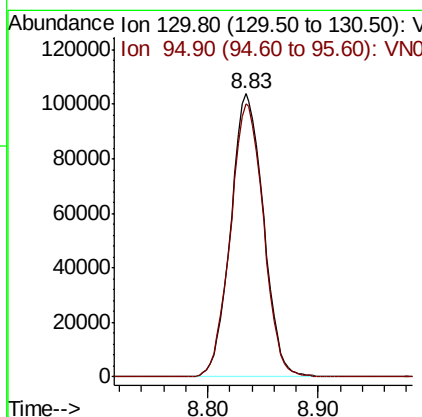
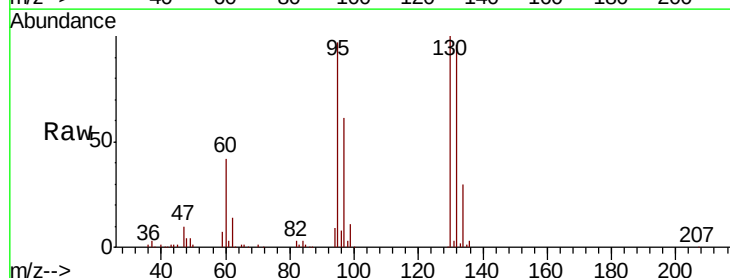
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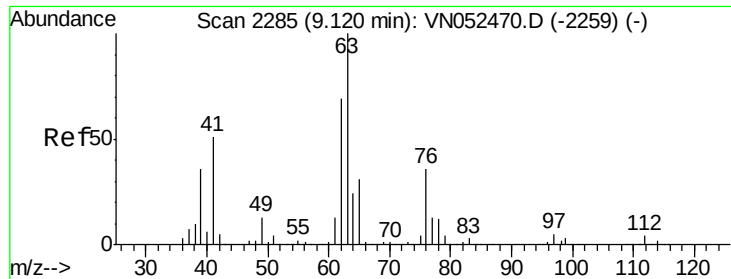
MMDadoda
12/6/2018 9:08:57 AM



#44
Trichloroethene
Concen: 20.016 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	195.6





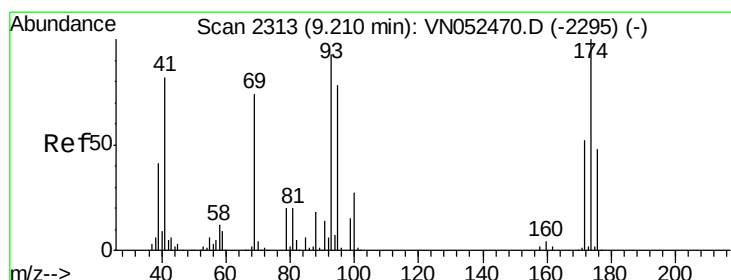
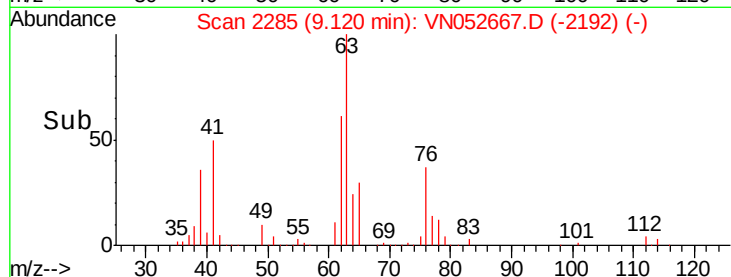
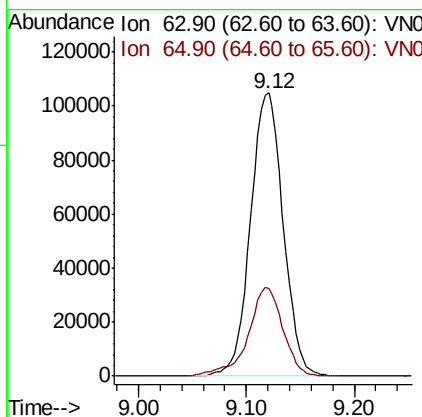
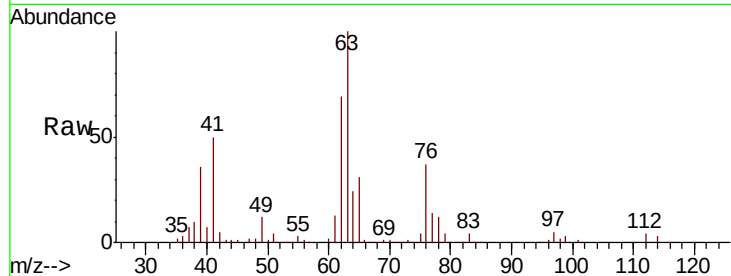
#45
 1,2-Dichloropropane
 Concen: 19.906 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion: 63 Resp: 220549
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6

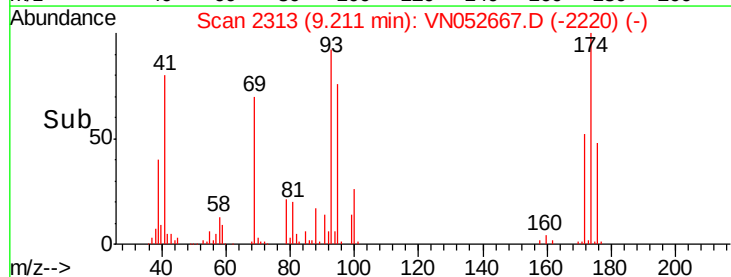
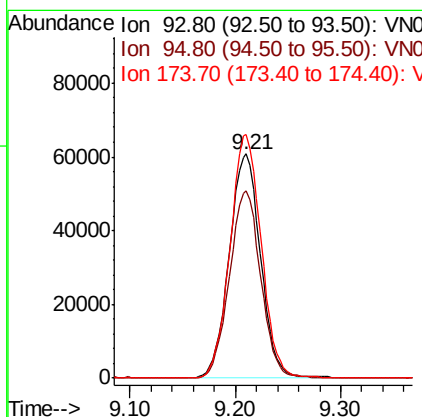
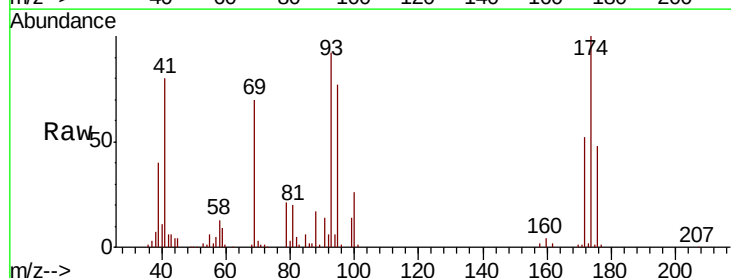
Manual Integrations
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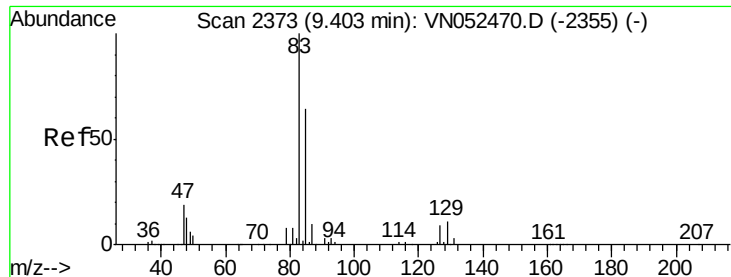
MMDadoda
 12/6/2018 9:08:57 AM



#46
 Dibromomethane
 Concen: 20.399 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion: 93 Resp: 125120
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.1 100.7
 174 108.1 85.8 128.8





#47

Bromodichloromethane

Concen: 20.098 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

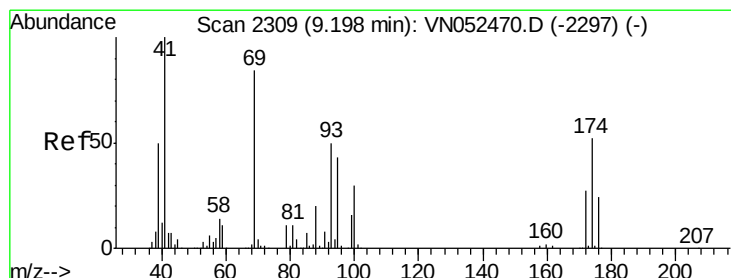
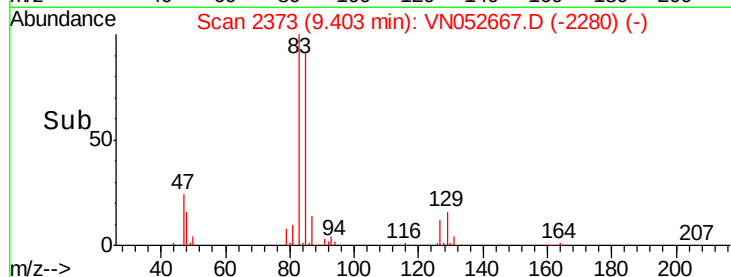
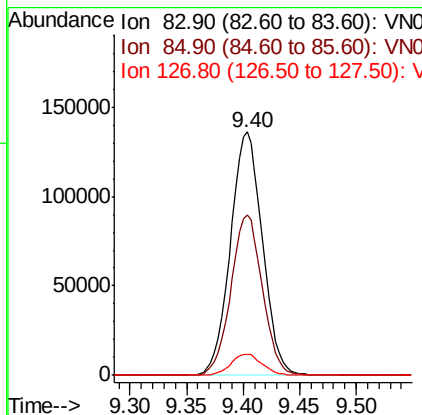
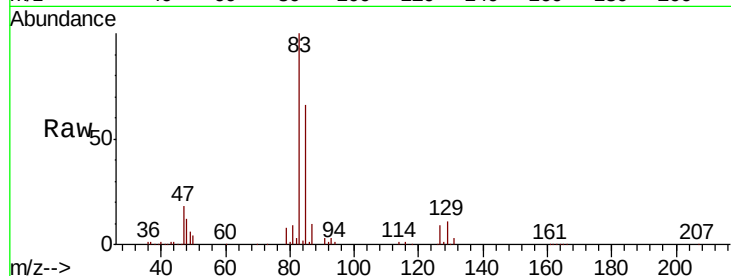
ClientSampleId :

VN1205WBS01

Tot Ion:	83	Resp:	268009
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.3	76.9
127	8.7	6.9	10.3

Manual Integrations
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MMDadoda
12/6/2018 9:08:57 AM



#48

Methyl methacrylate

Concen: 19.701 ug/l

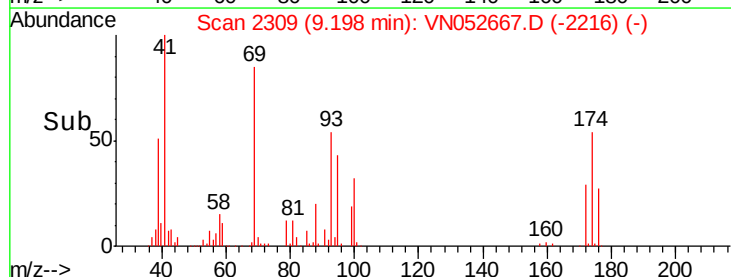
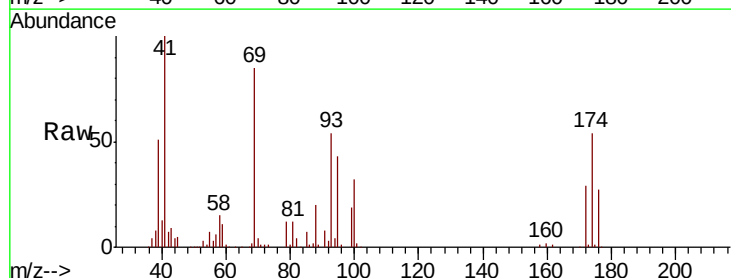
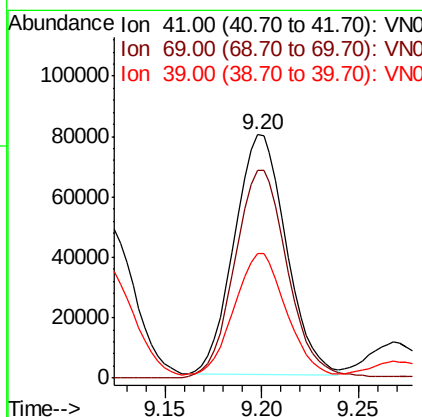
RT: 9.20 min Scan# 2309

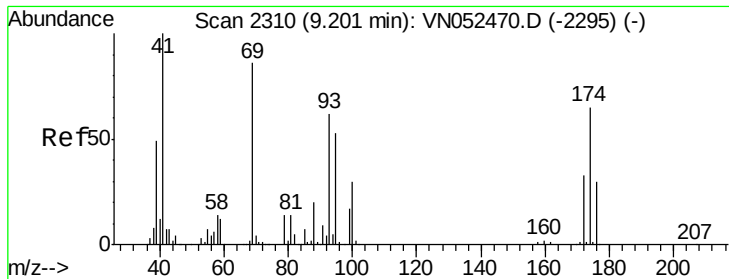
Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	41	Resp:	148365
Ion Ratio	Lower	Upper	
41	100		
69	89.2	70.0	105.0
39	52.7	42.6	64.0





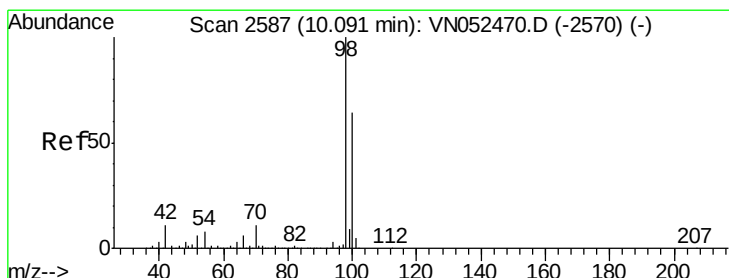
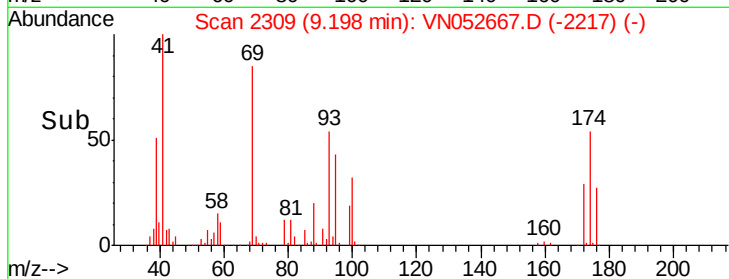
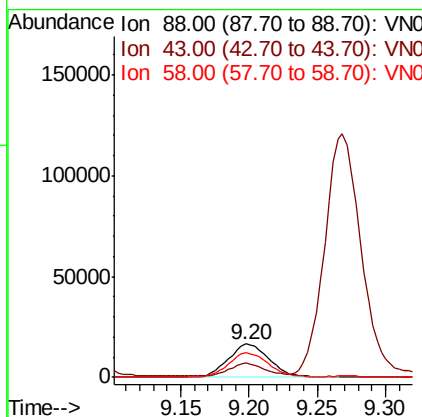
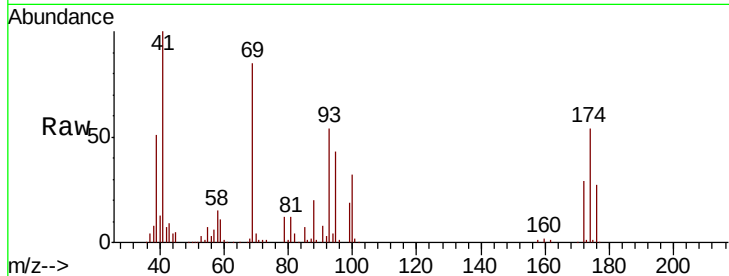
#49
1,4-Dioxane
Concen: 441.646 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.4	39.6
58	71.8	55.4	83.0

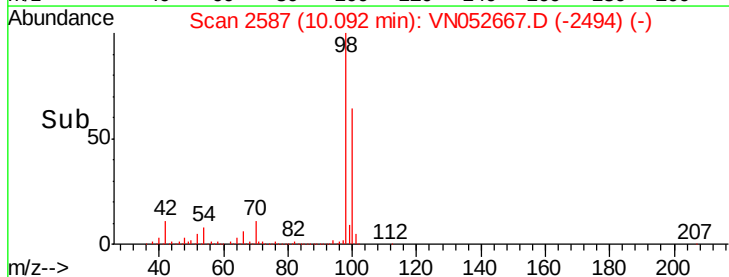
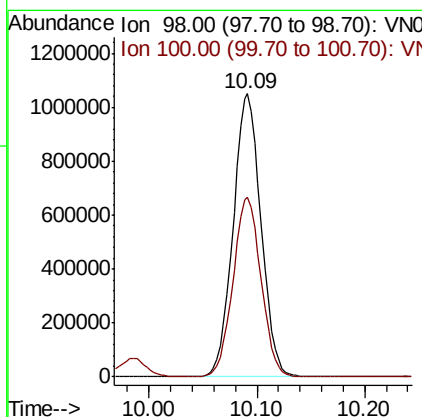
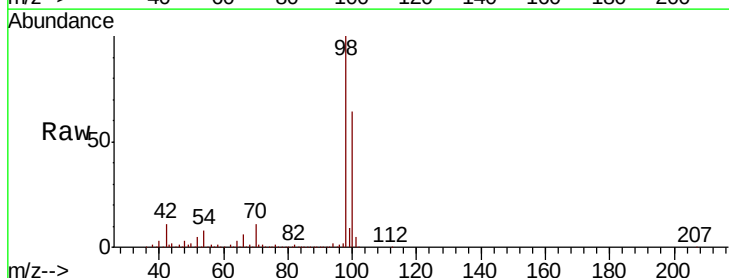
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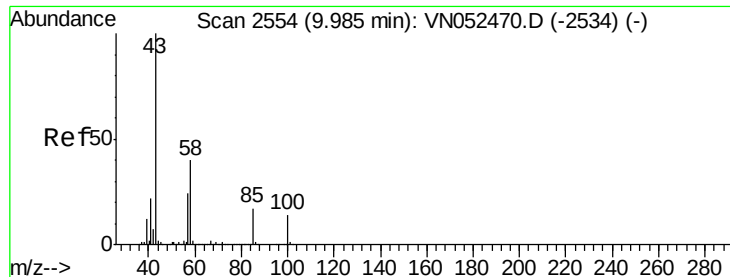
MMDadoda
12/6/2018 9:08:57 AM



#50
Toluene-d8
Concen: 441.646 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





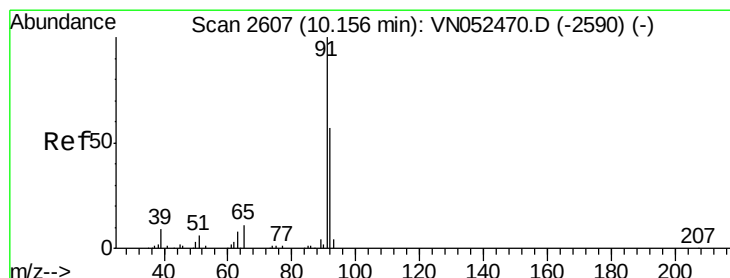
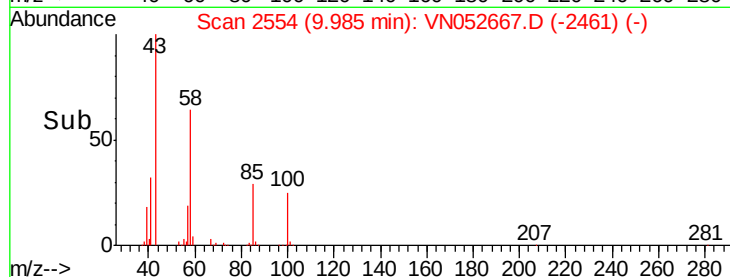
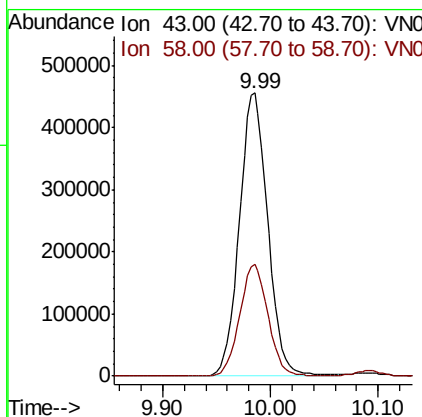
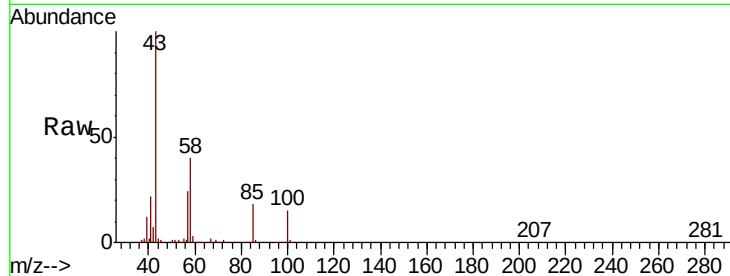
#51
 4-Methyl-2-Pentanone
 Concen: 102.715 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	31.5	47.3

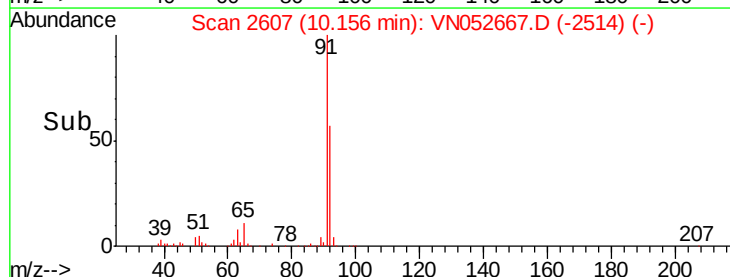
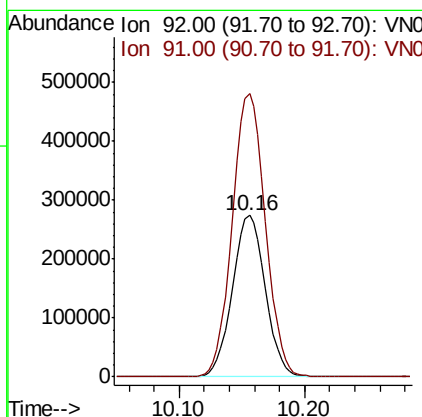
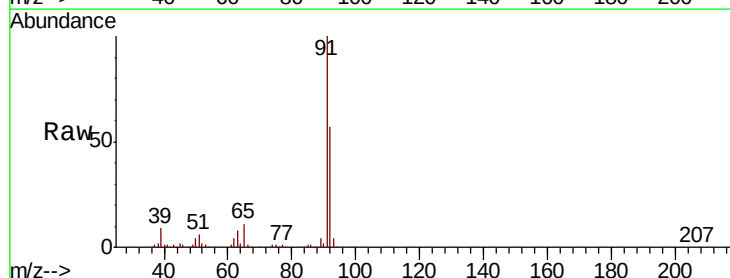
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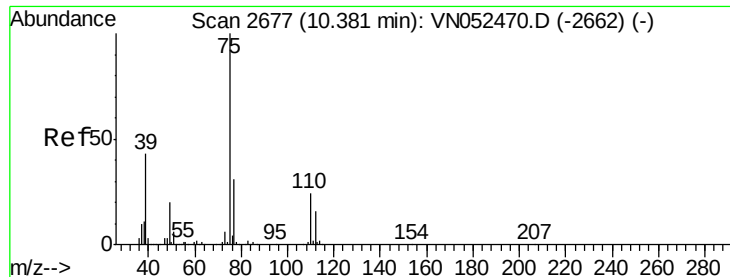
MMDadoda
 12/6/2018 9:08:57 AM



#52
 Toluene
 Concen: 20.112 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.9	141.0	211.4





#53

t-1,3-Dichloropropene

Concen: 20.321 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 75 Resp: 260698

Ion Ratio Lower Upper

75 100

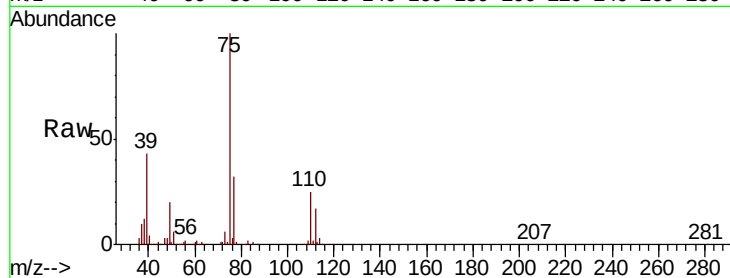
77 31.5 25.0 37.4

Manual Integrations

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12/6/2018 9:08:57 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

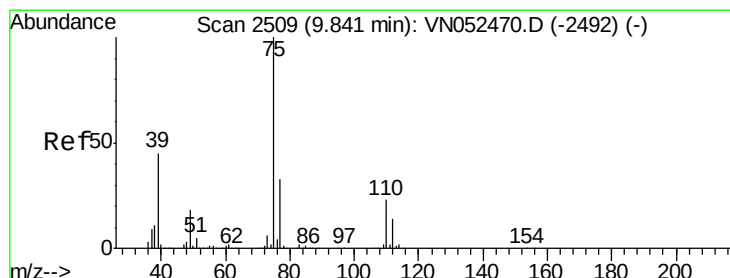
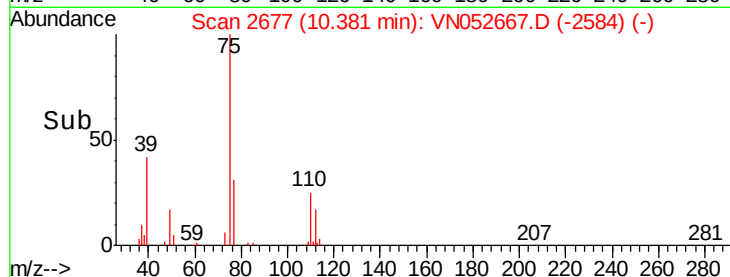
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.045 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

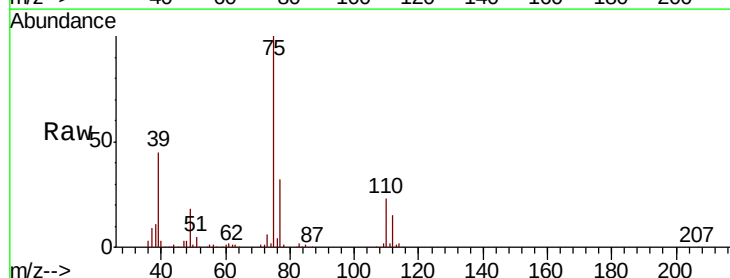
Tgt Ion: 75 Resp: 308163

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 45.4 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

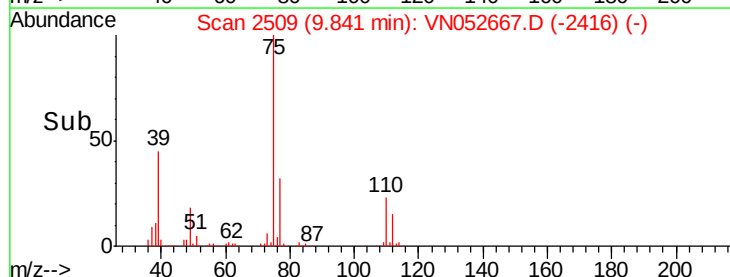
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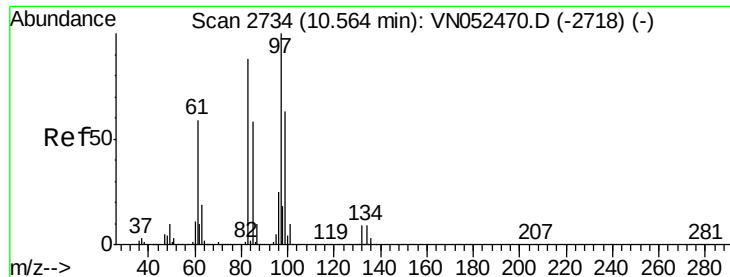
100000

50000

0

Time-->





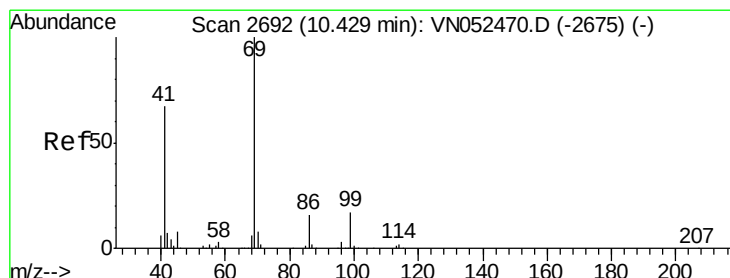
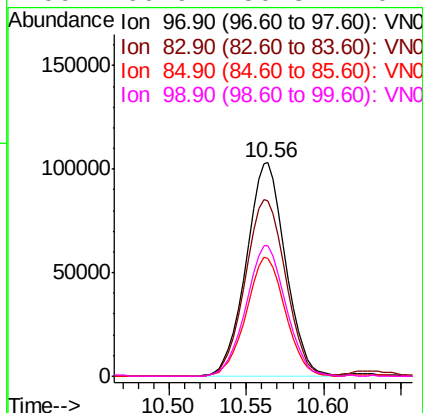
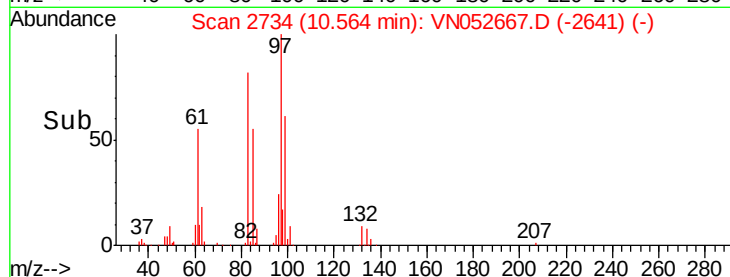
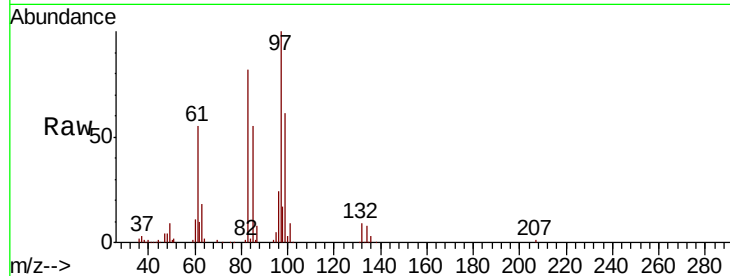
#55
 1,1,2-Trichloroethane
 Concen: 20.936 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion:	97	Resp:	182347
Ion	Ratio	Lower	Upper
97	100		
83	82.3	70.7	106.1
85	55.1	46.1	69.1
99	60.9	50.8	76.2

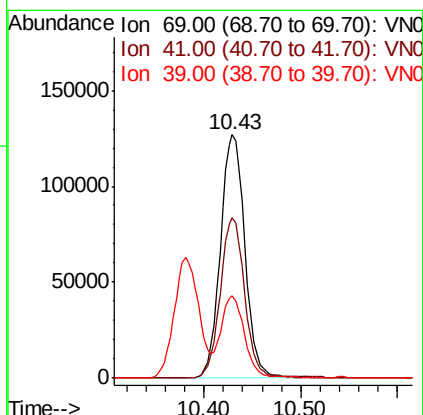
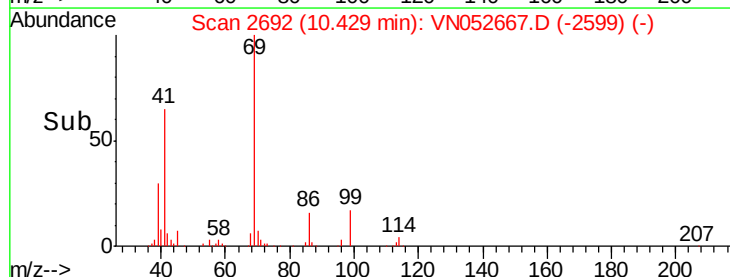
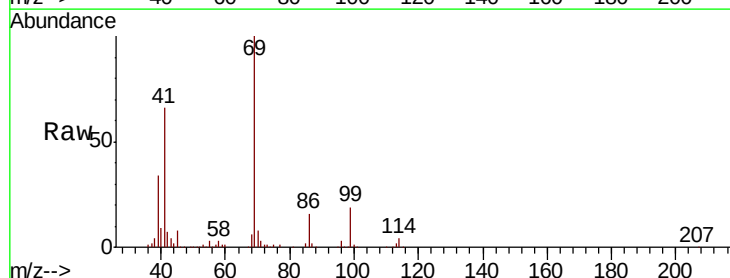
Manual Integrations
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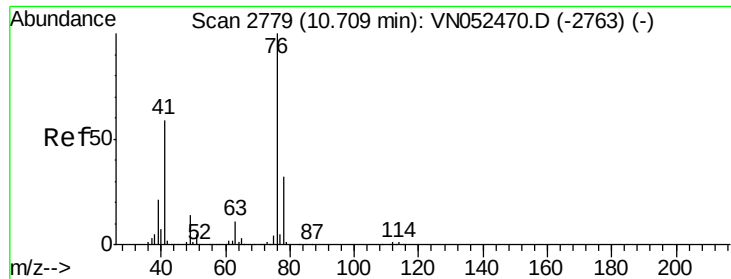
MMDadoda
 12/6/2018 9:08:57 AM



#56
 Ethyl methacrylate
 Concen: 20.147 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion:	69	Resp:	223102
Ion	Ratio	Lower	Upper
69	100		
41	64.2	52.6	79.0
39	32.4	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.965 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 76 Resp: 307036

Ion Ratio Lower Upper

76 100

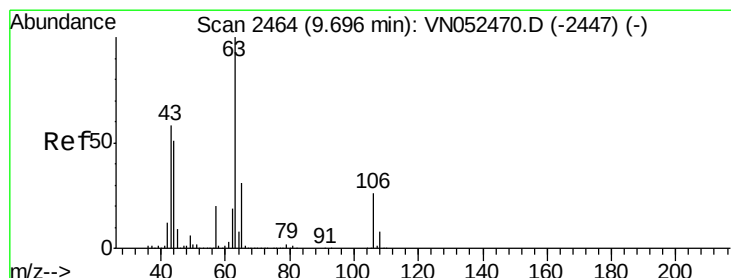
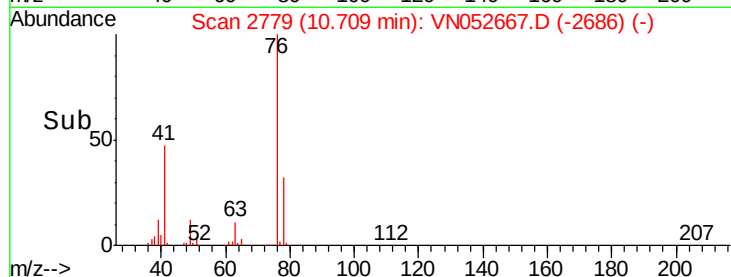
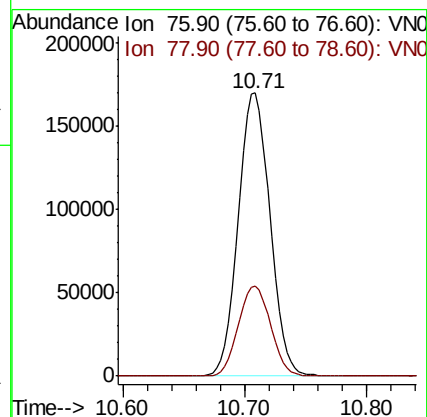
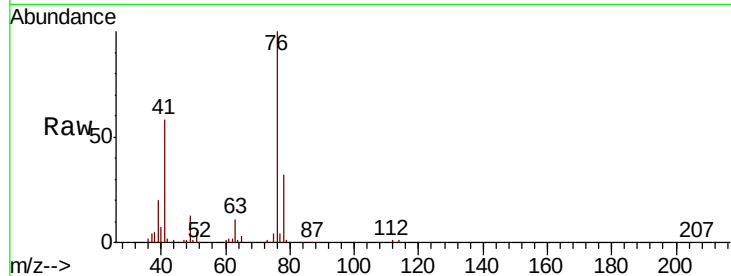
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

12/6/2018 9:08:57 AM



#58

2-Chloroethyl Vinyl ether

Concen: 102.655 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052667.D

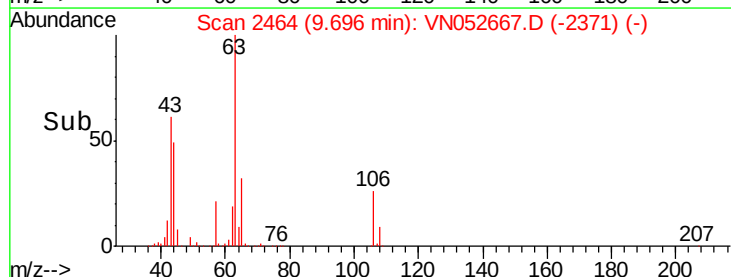
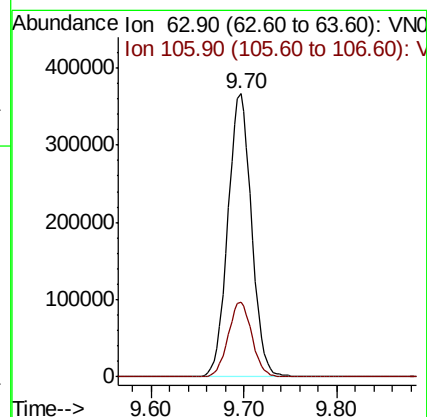
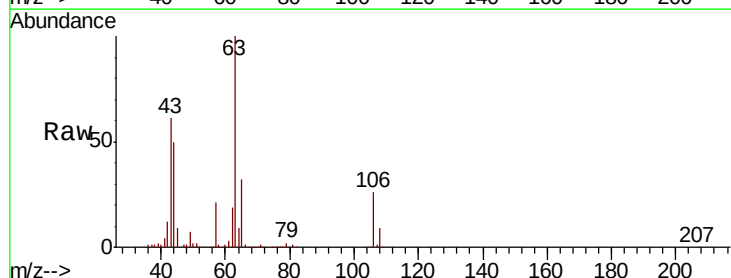
Acq: 5 Dec 2018 11:06

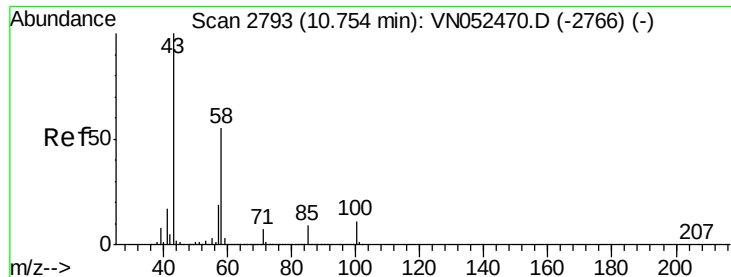
Tgt Ion: 63 Resp: 648766

Ion Ratio Lower Upper

63 100

106 26.5 20.6 30.8





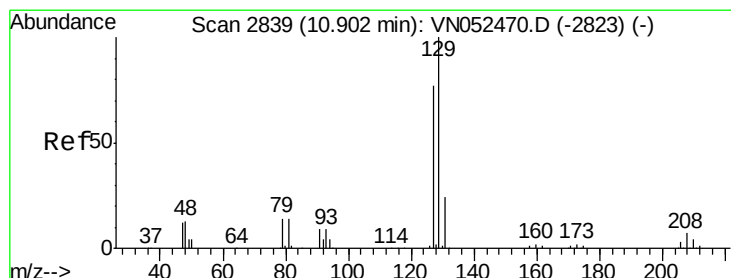
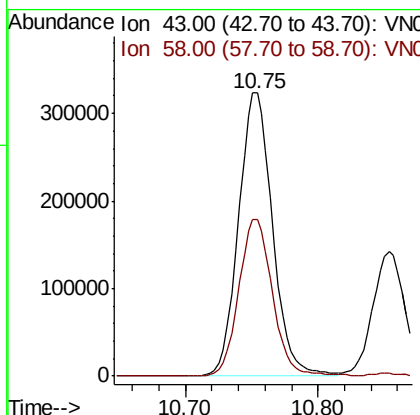
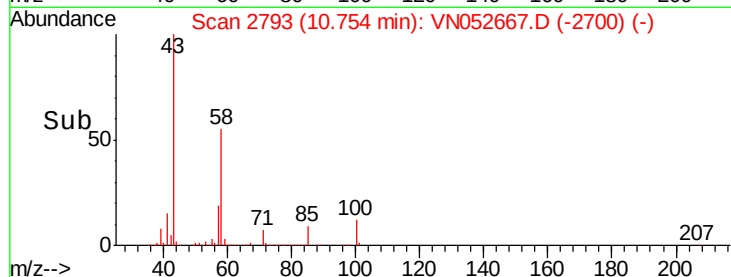
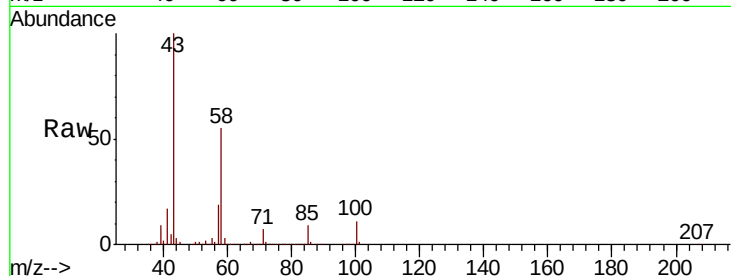
#59
2-Hexanone
Concen: 105.340 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion: 43 Resp: 572890
Ion Ratio Lower Upper
43 100
58 55.2 27.4 82.0

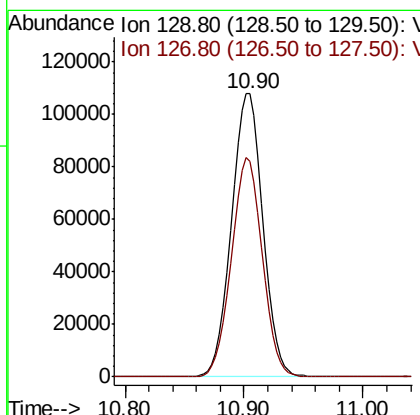
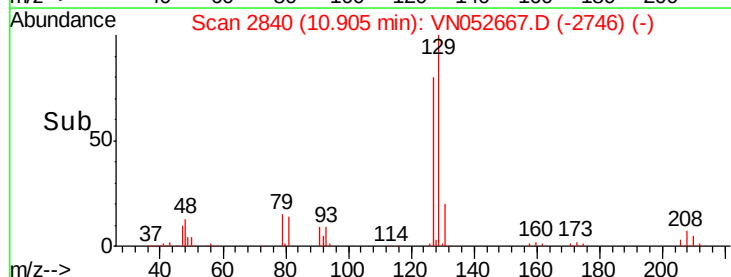
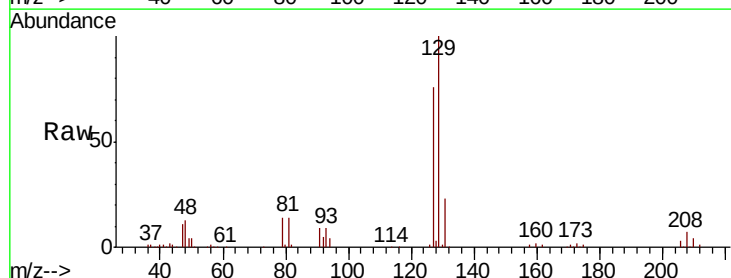
Manual Integrations
APPROVED

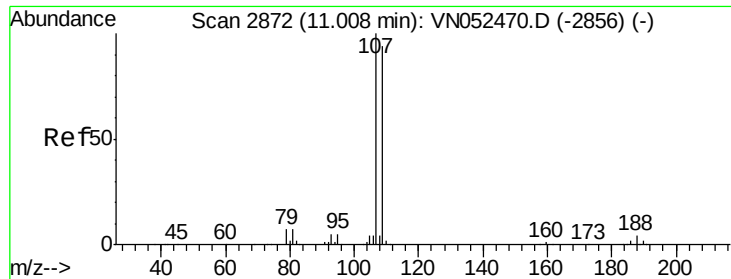
MMDadoda
12/6/2018 9:08:57 AM



#60
Dibromochloromethane
Concen: 20.853 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion: 129 Resp: 197262
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





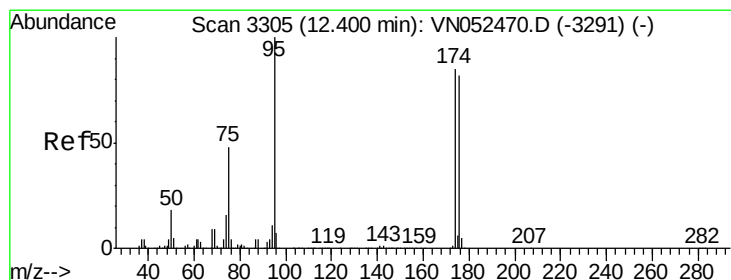
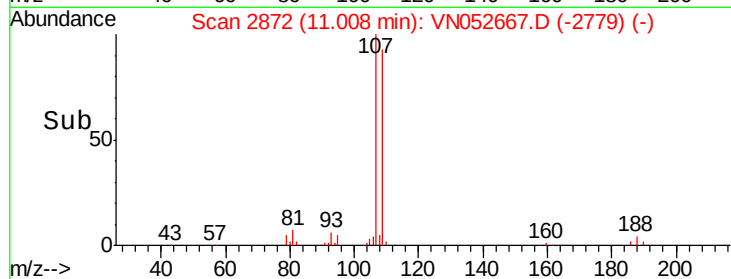
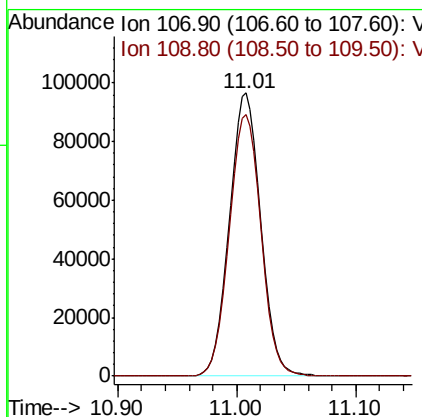
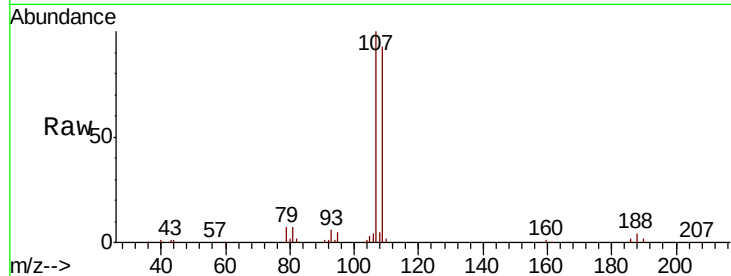
#61
 1,2-Dibromoethane
 Concen: 20.298 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampled :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	75.6	113.4

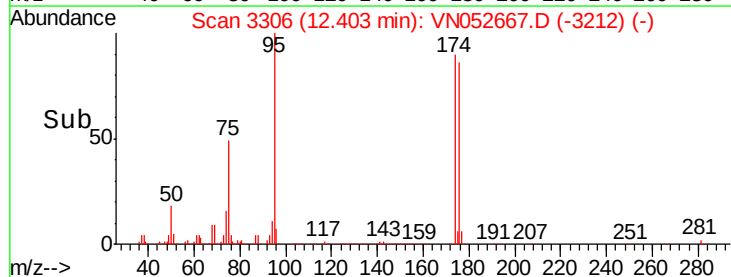
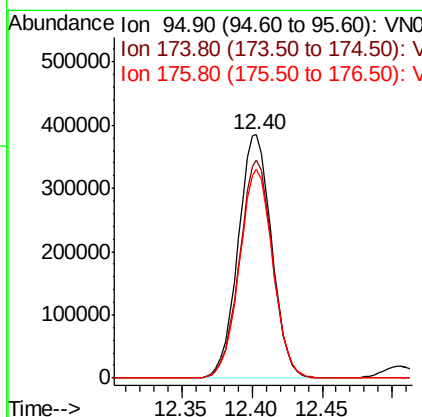
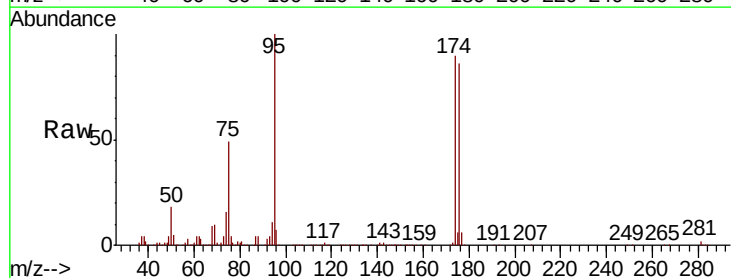
Manual Integrations
 APPROVED

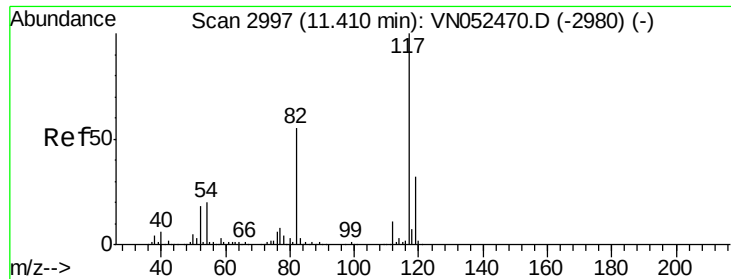
MMDadoda
 12/6/2018 9:08:57 AM



#62
 4-Bromofluorobenzene
 Concen: 20.298 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	173.0
176	85.4	0.0	166.2





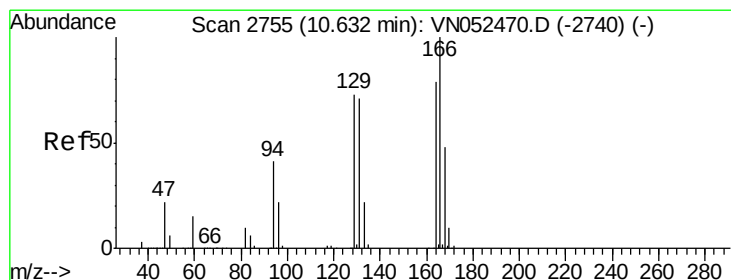
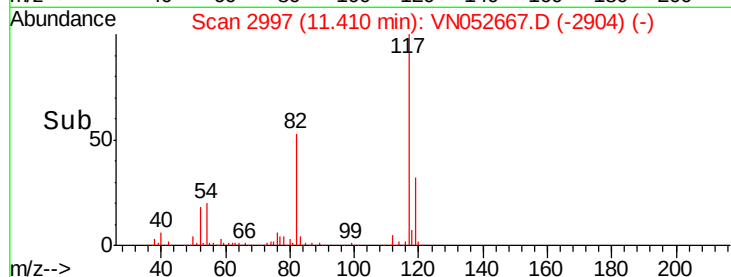
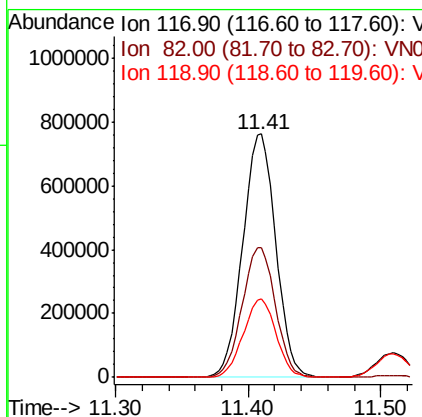
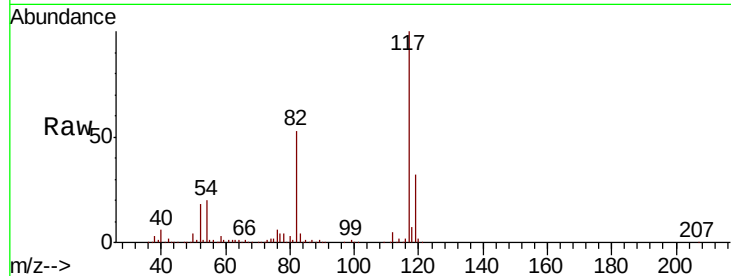
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	43.6	65.4
119	32.1	25.4	38.2

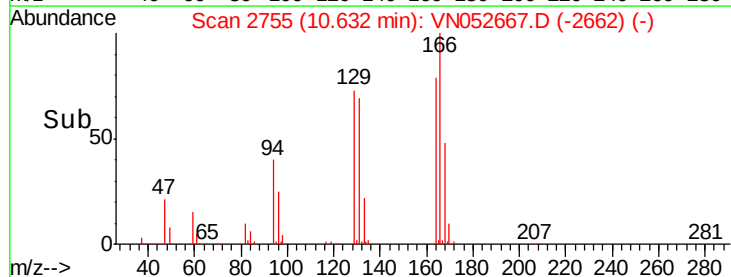
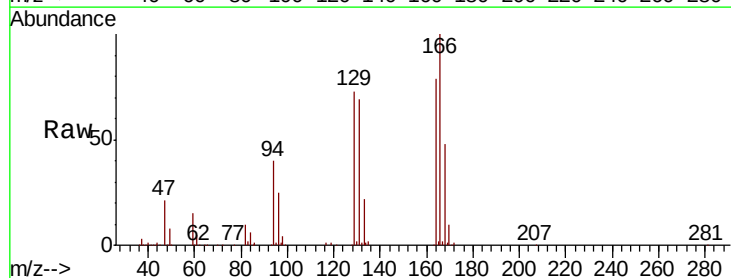
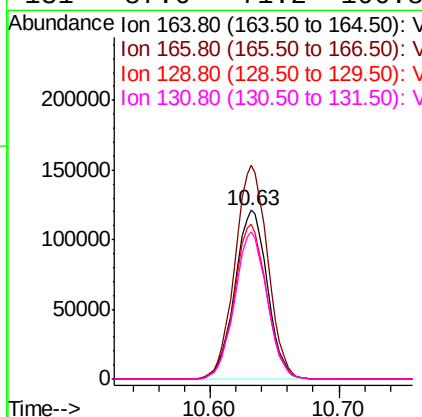
Manual Integrations
APPROVED

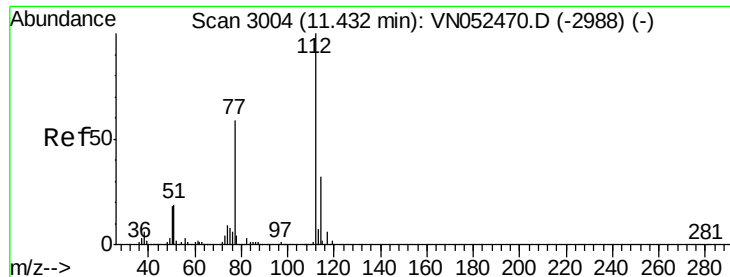
MMDadoda
12/6/2018 9:08:57 AM



#64
Tetrachloroethene
Concen: 20.811 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.8	101.0	151.4
129	92.0	73.8	110.6
131	87.6	71.2	106.8





#65

Chlorobenzene

Concen: 19.887 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:112 Resp: 539569

Ion Ratio Lower Upper

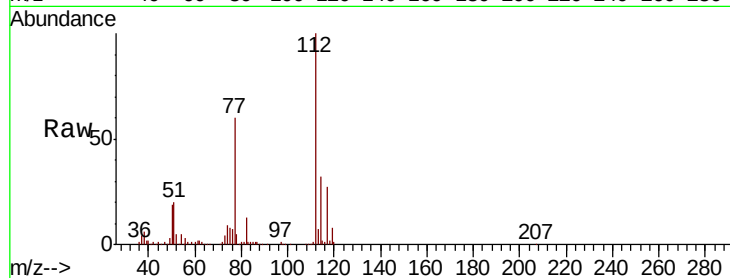
112 100

114 32.0 25.8 38.6

Manual Integrations
APPROVED

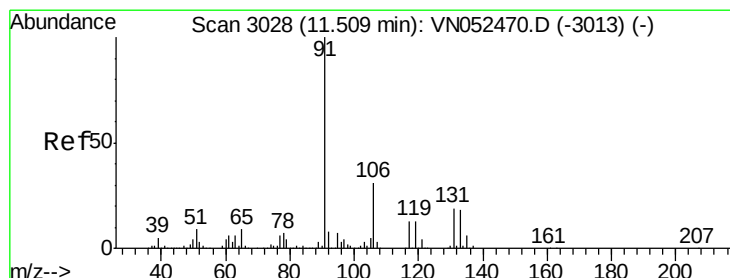
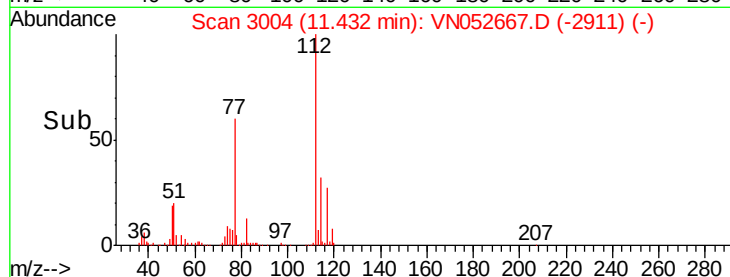
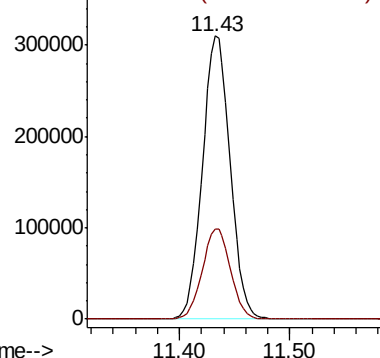
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.668 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

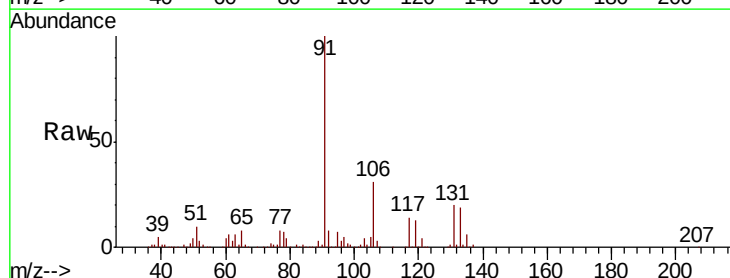
Tgt Ion:131 Resp: 194982

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.8

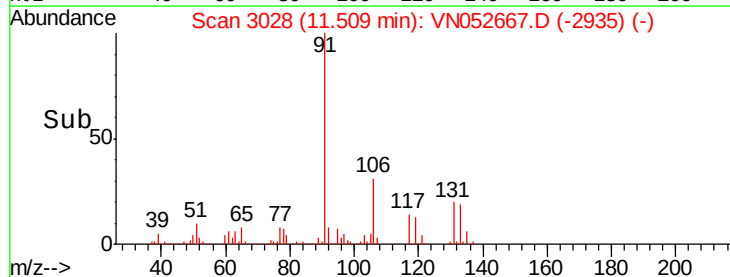
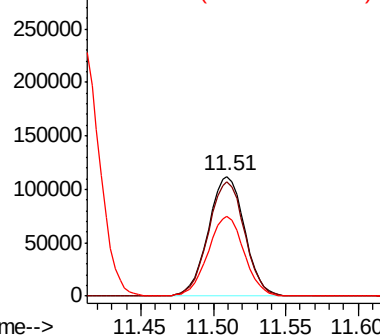
119 66.2 33.2 99.6

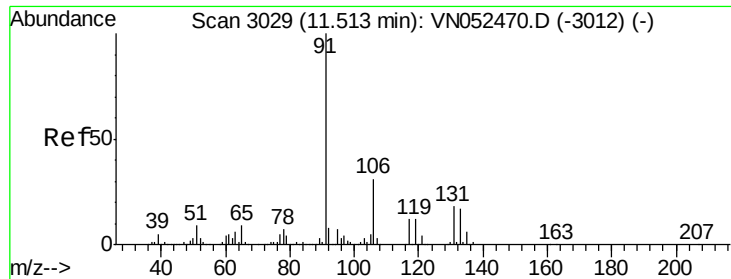


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.986 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampled :

VN1205WBS01

Tot Ion: 91 Resp: 949560

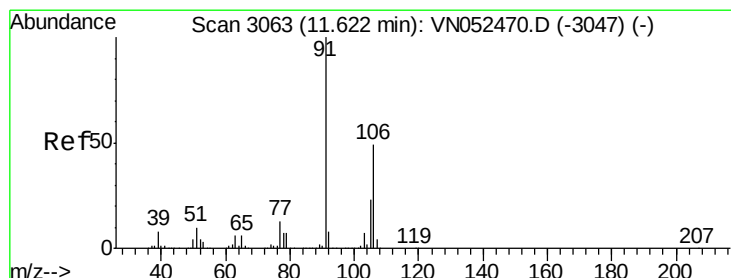
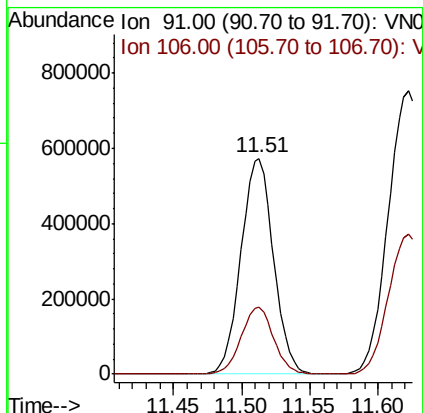
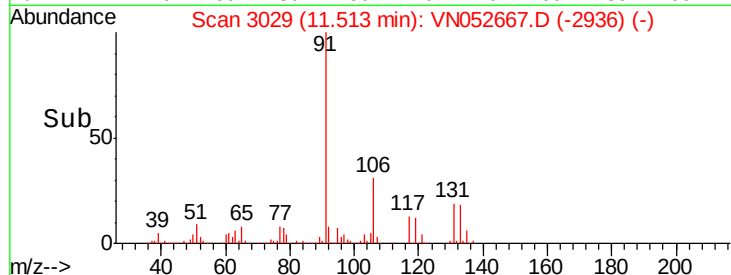
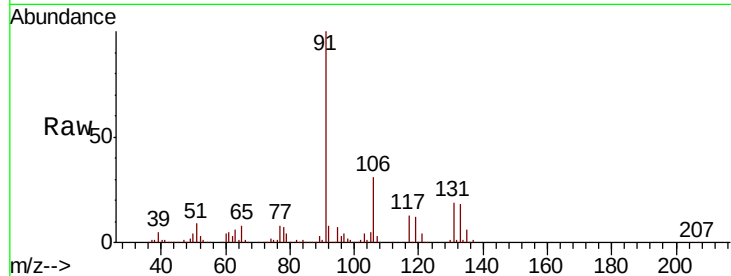
Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 40.624 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052667.D

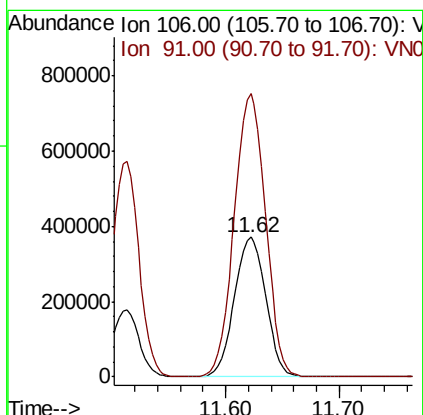
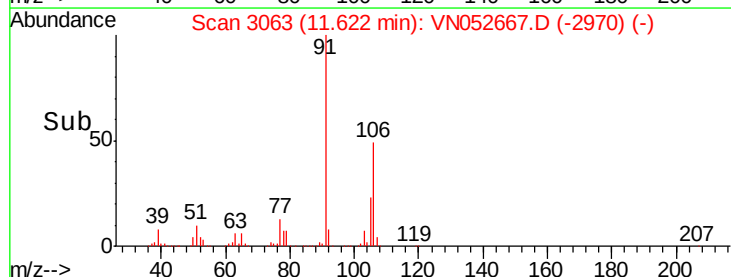
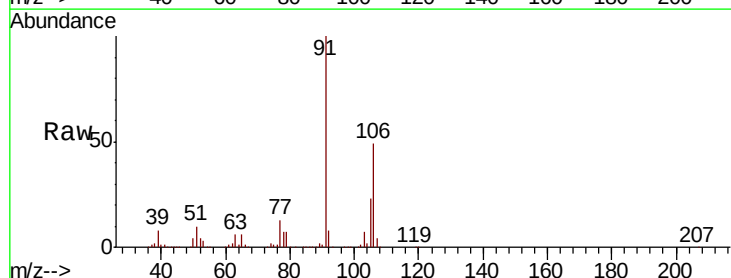
Acq: 5 Dec 2018 11:06

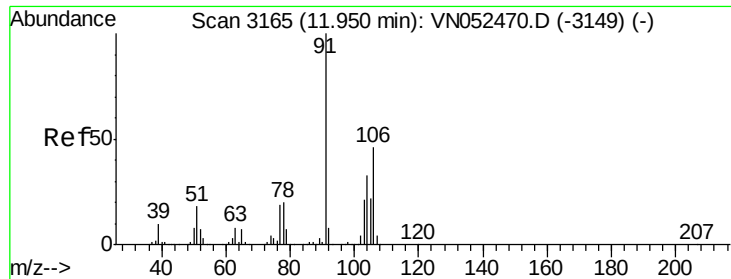
Tgt Ion: 106 Resp: 718550

Ion Ratio Lower Upper

106 100

91 202.0 163.2 244.8





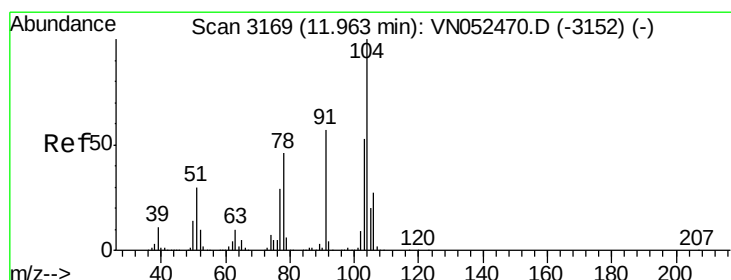
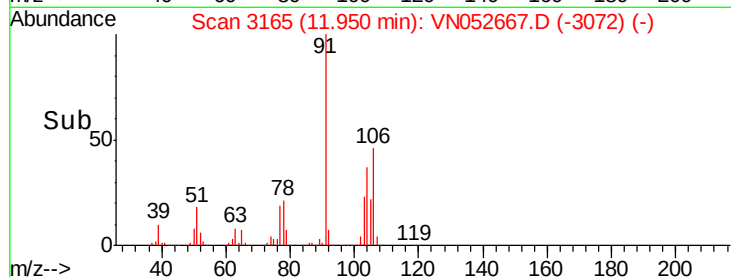
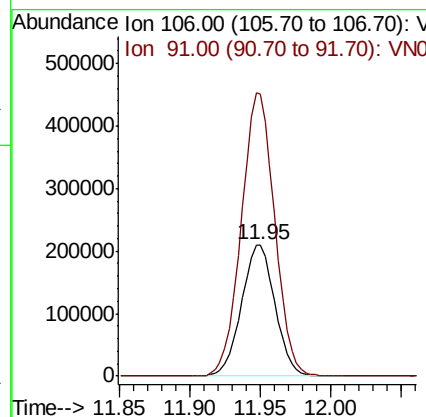
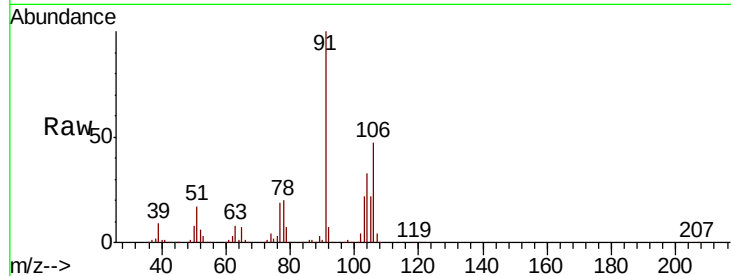
#69
o-Xylene
Concen: 20.307 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	348793		
91	91	214.8	107.7	323.1	

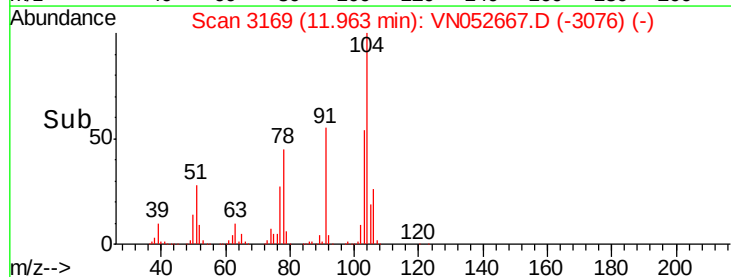
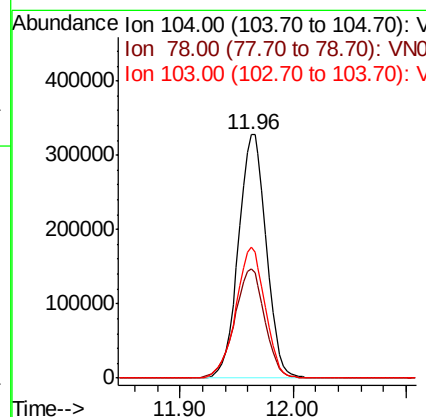
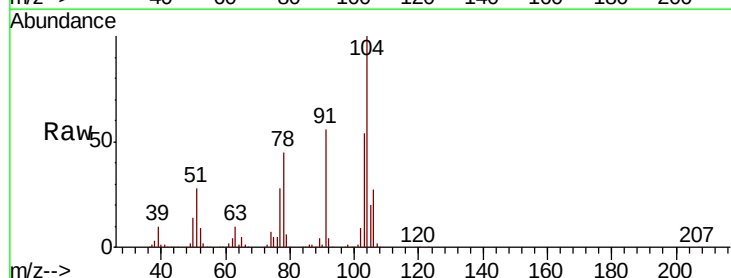
Manual Integrations
APPROVED

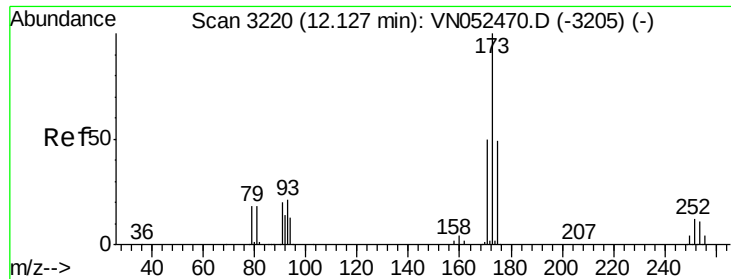
MMDadoda
12/6/2018 9:08:57 AM



#70
Styrene
Concen: 20.505 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	560980		
78	78	48.7	39.4	59.2	
103	103	56.4	44.9	67.3	





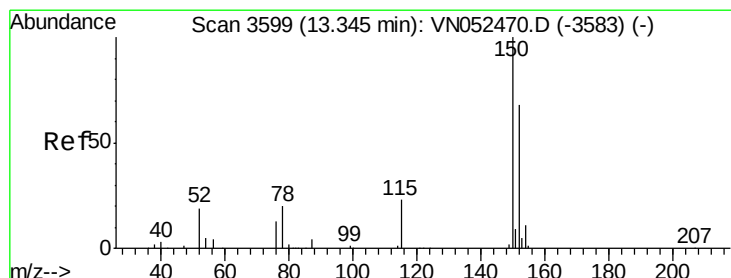
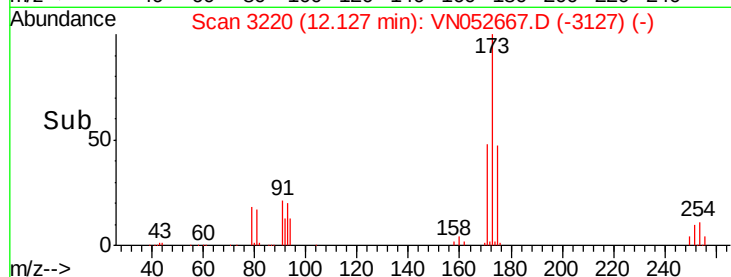
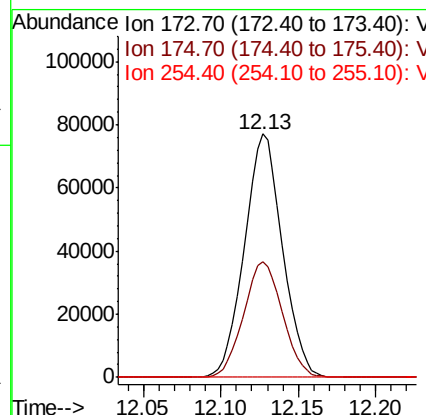
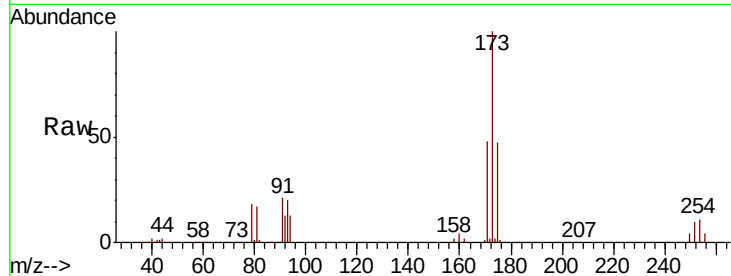
#71
Bromoform
Concen: 21.074 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampled :
VN1205WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.1	0.1#

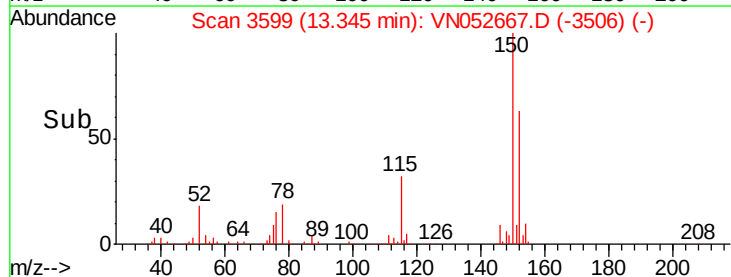
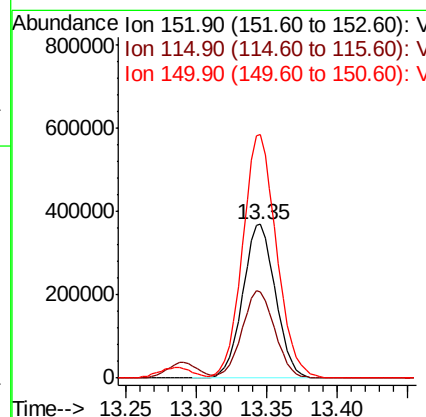
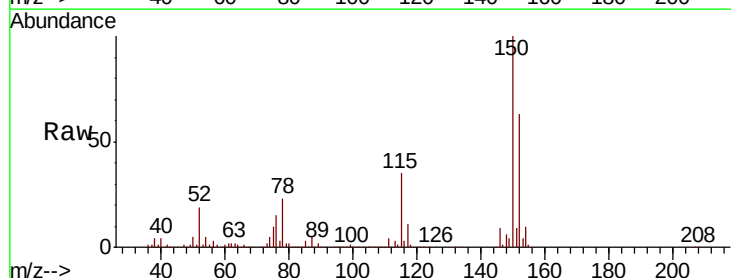
Manual Integrations
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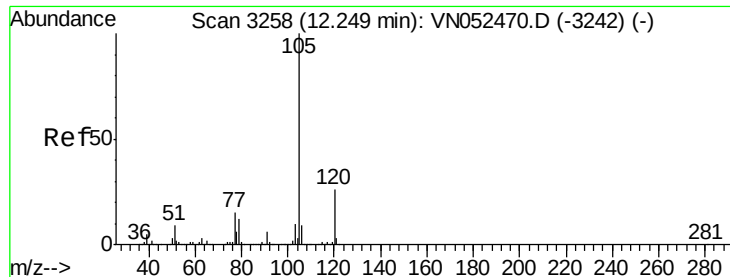
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.4	85.2
150	164.0	0.0	346.0





#73

Isopropylbenzene

Concen: 19.964 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 105 Resp: 938351

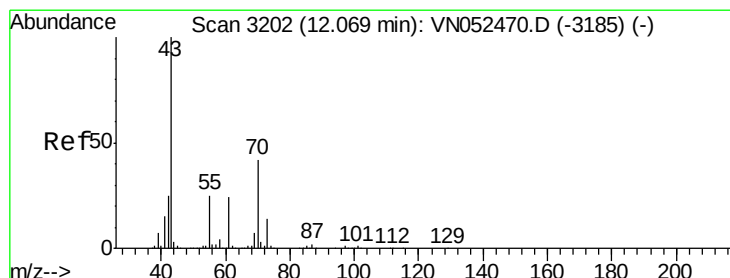
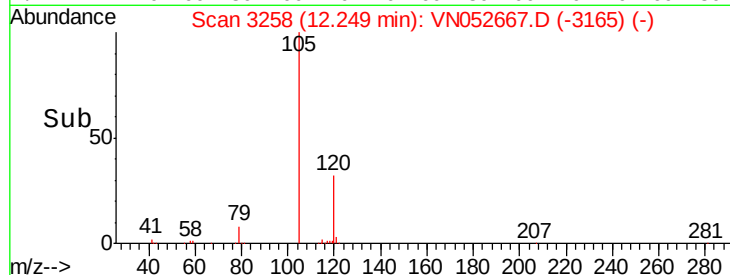
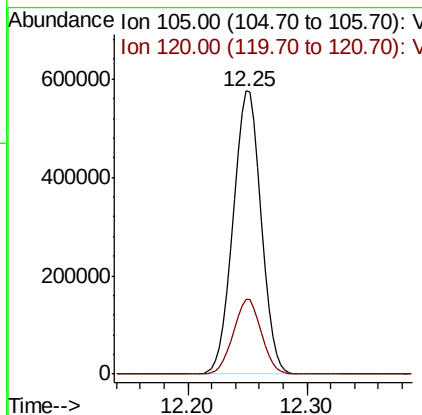
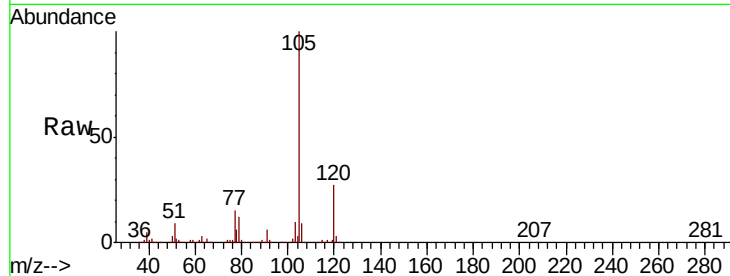
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

Manual Integrations
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12/6/2018 9:08:57 AM



#74

N-ethyl acetate

Concen: 19.523 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion: 43 Resp: 231826

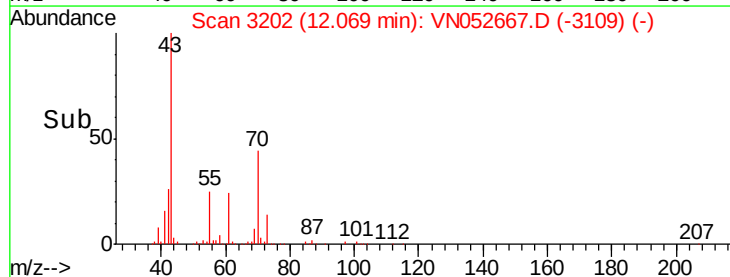
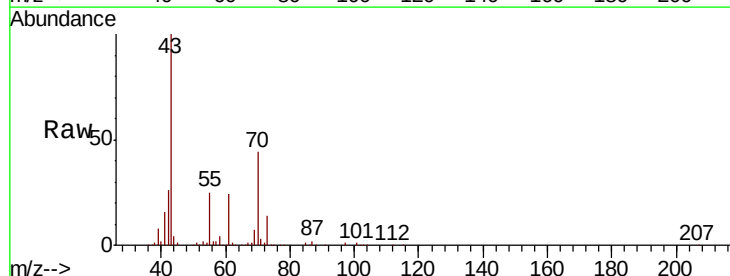
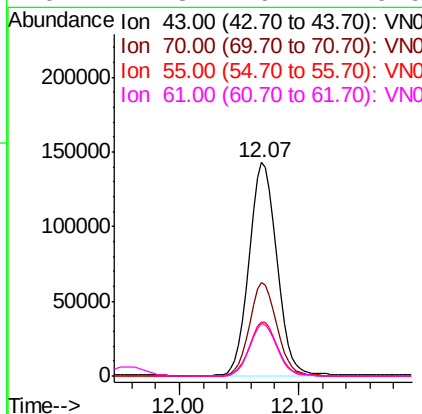
Ion Ratio Lower Upper

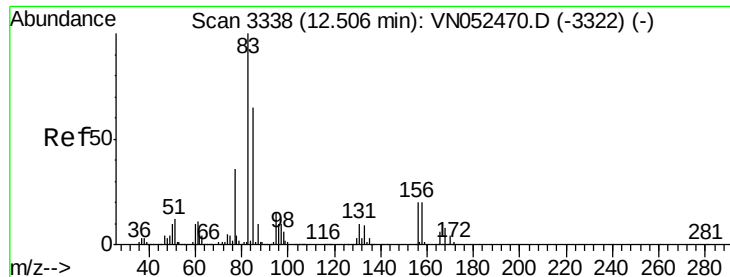
43 100

70 43.2 33.8 50.8

55 25.7 20.0 30.0

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.159 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

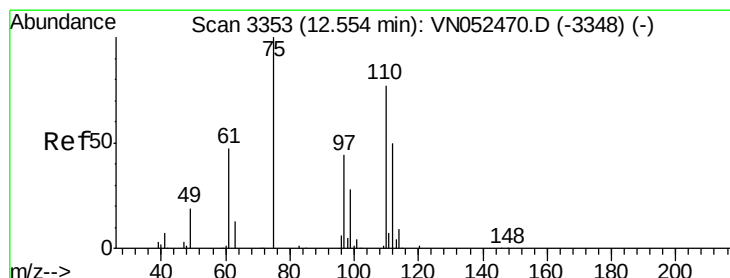
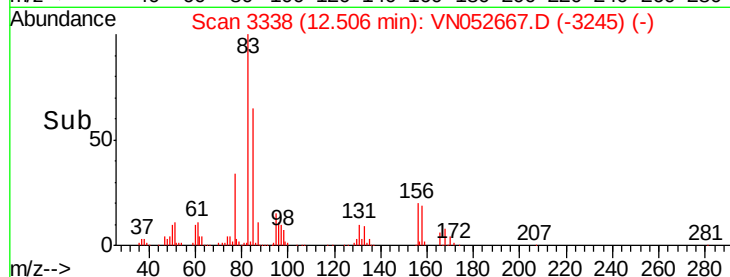
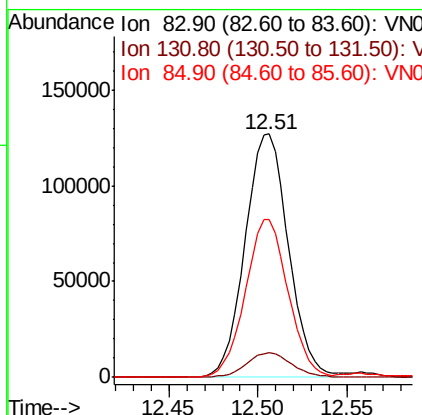
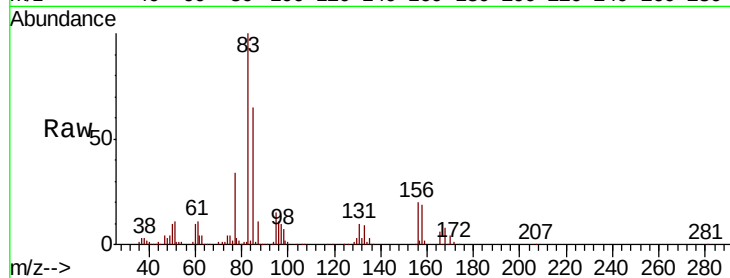
ClientSampleId :

VN1205WBS01

Tot Ion:	83	Resp:	215540
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	63.9	31.9	95.9

Manual Integrations
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12/6/2018 9:08:57 AM



#76

1,2,3-Trichloropropane

Concen: 19.120 ug/l m

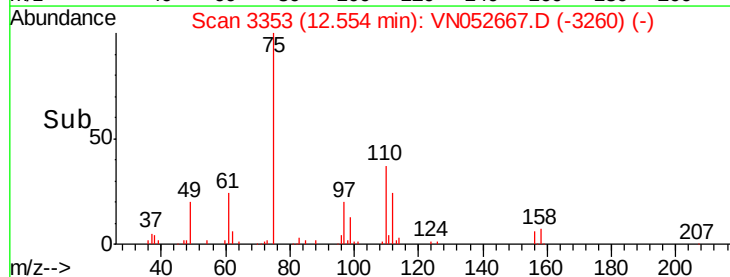
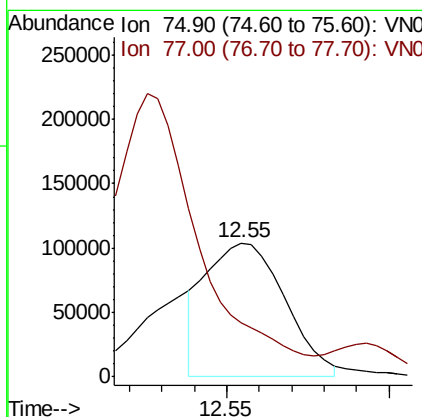
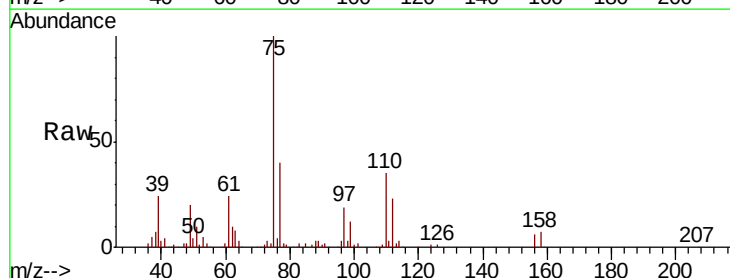
RT: 12.55 min Scan# 3353

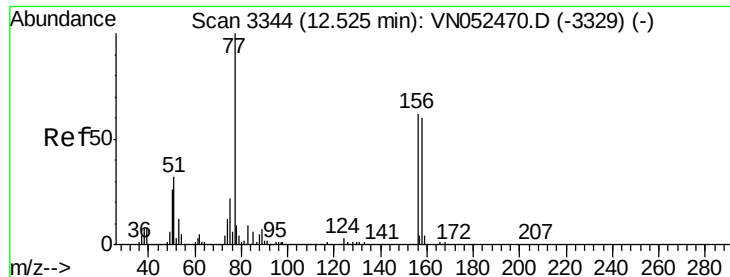
Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	75	Resp:	176637
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.741 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

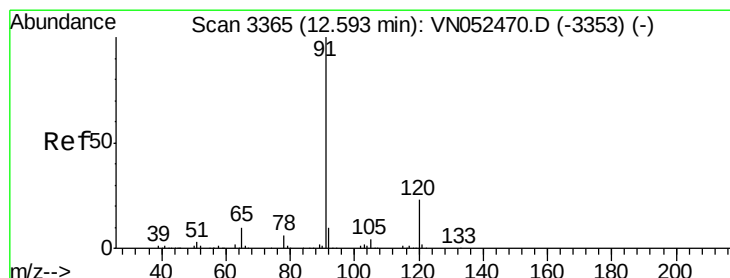
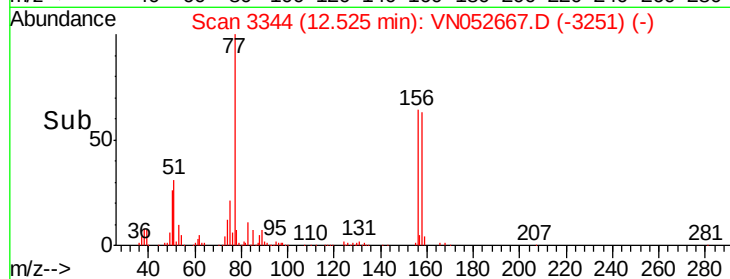
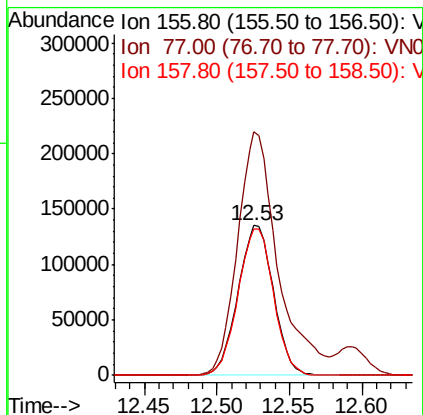
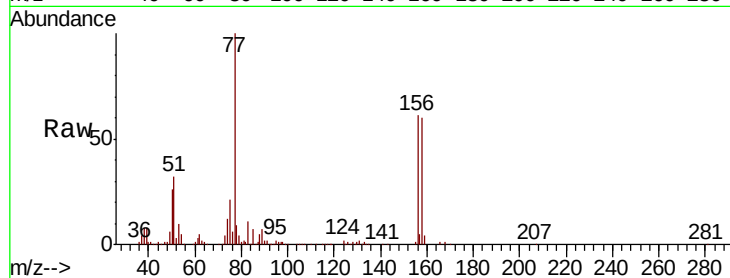
ClientSampleId :

VN1205WBS01

Tot Ion:	156	Resp:	229342
Ion Ratio	Lower	Upper	
156	100		
77	186.2	93.5	280.4
158	98.2	48.3	144.9

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#78

n-propylbenzene

Concen: 20.173 ug/l

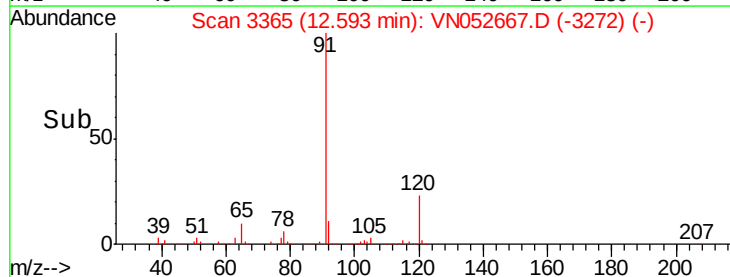
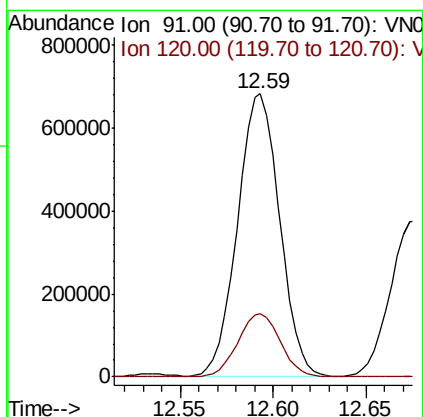
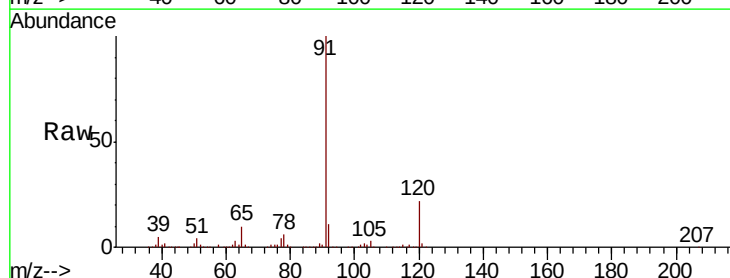
RT: 12.59 min Scan# 3365

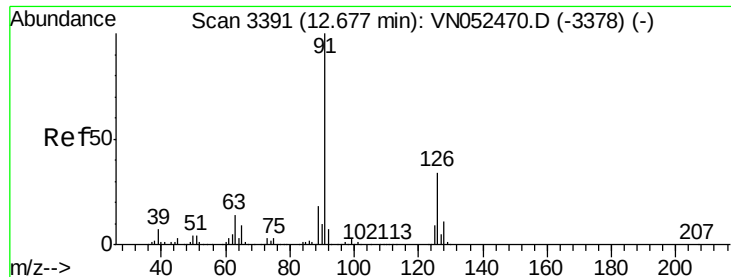
Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	91	Resp:	1077189
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.895 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 91 Resp: 632620

Ion Ratio Lower Upper

91 100

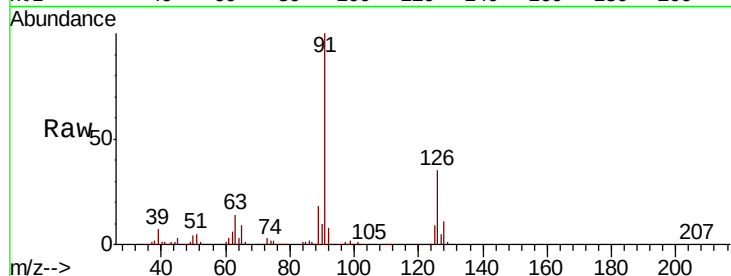
126 34.9 17.2 51.6

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

600000

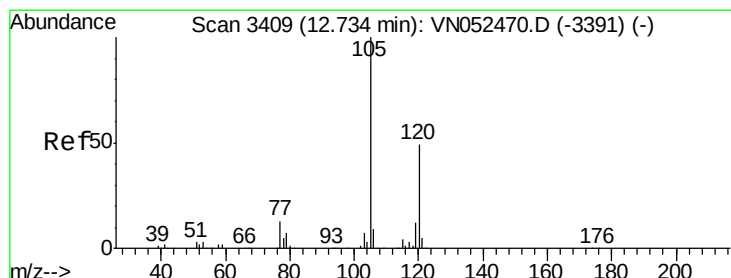
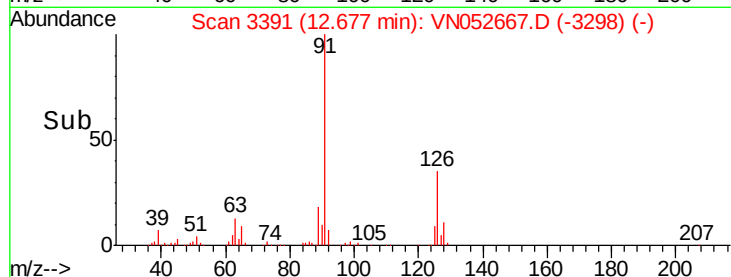
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.464 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052667.D

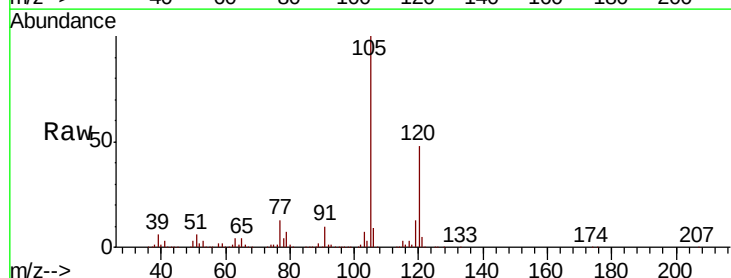
Acq: 5 Dec 2018 11:06

Tgt Ion: 105 Resp: 767121

Ion Ratio Lower Upper

105 100

120 48.3 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

500000

400000

300000

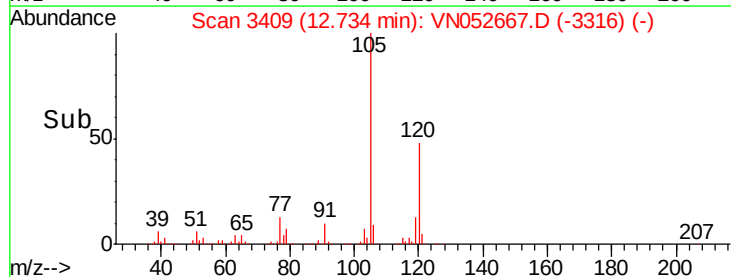
200000

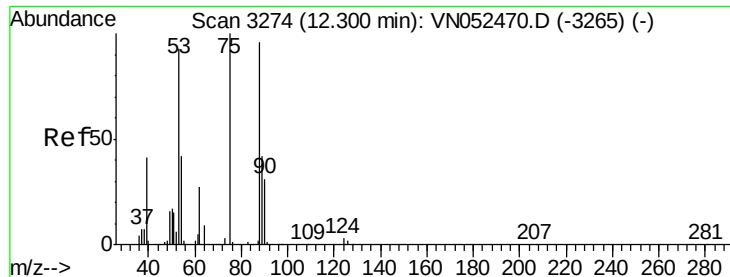
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.680 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion: 75 Resp: 54442

Ion Ratio Lower Upper

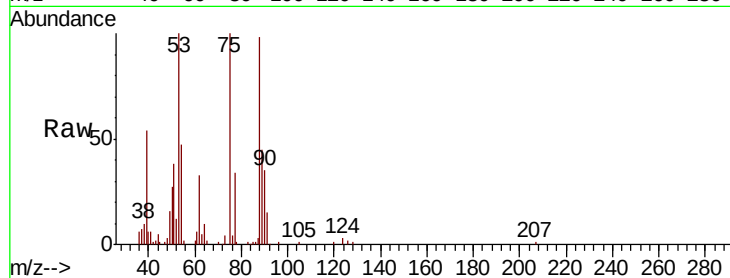
75 100

53 97.4 77.4 116.0

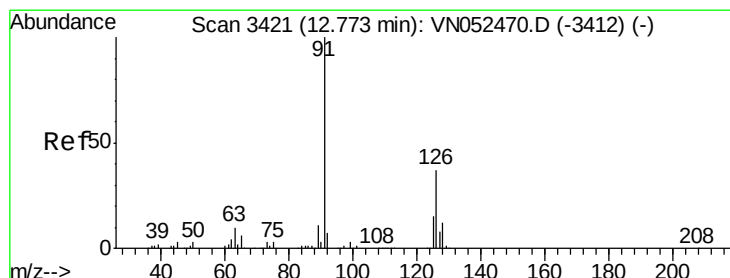
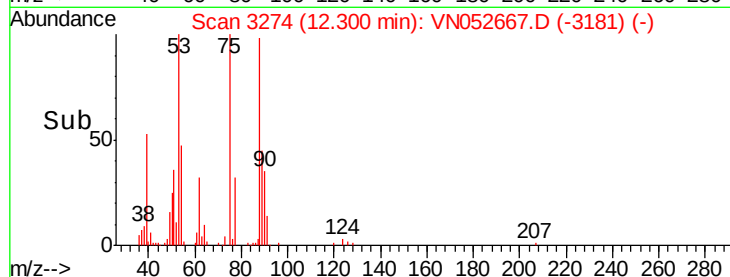
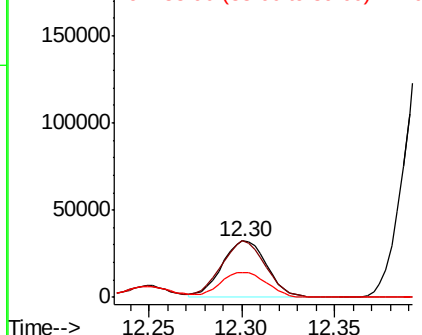
89 44.9 35.4 53.2

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Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.969 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052667.D

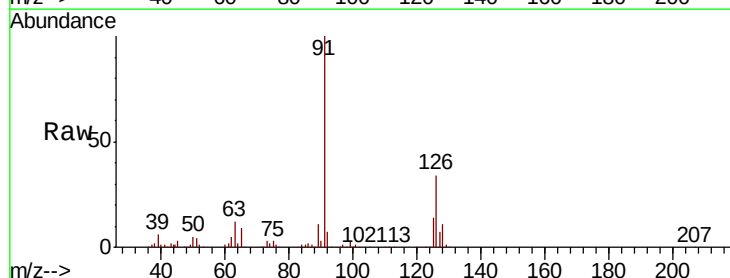
Acq: 5 Dec 2018 11:06

Tgt Ion: 91 Resp: 639961

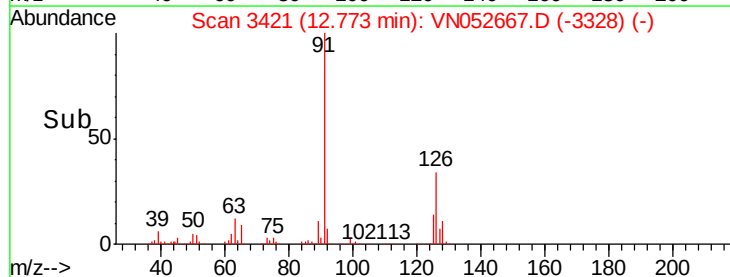
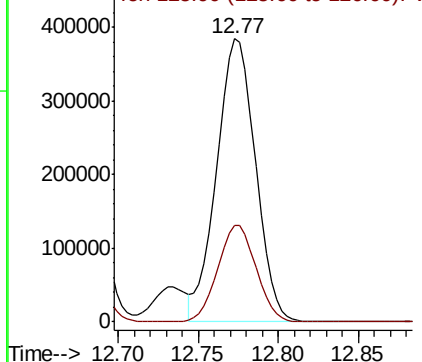
Ion Ratio Lower Upper

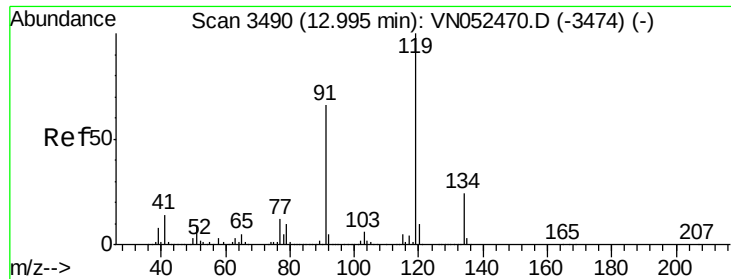
91 100

126 33.8 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





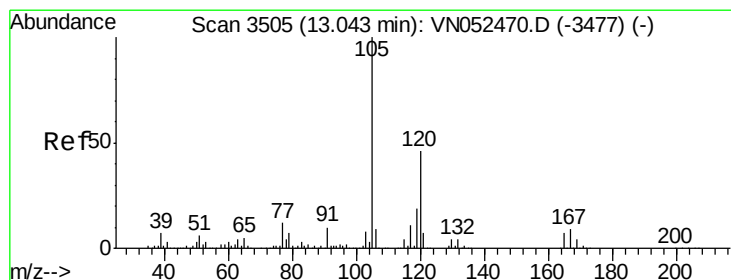
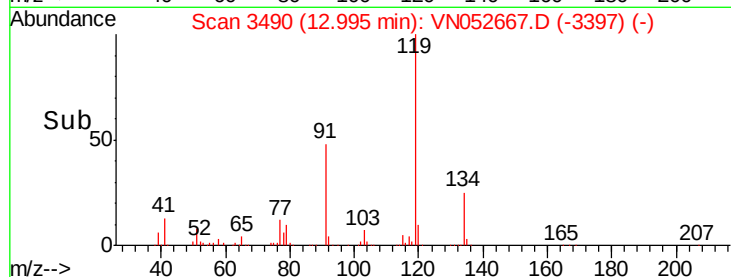
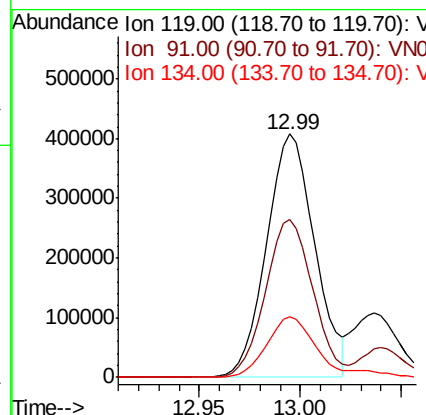
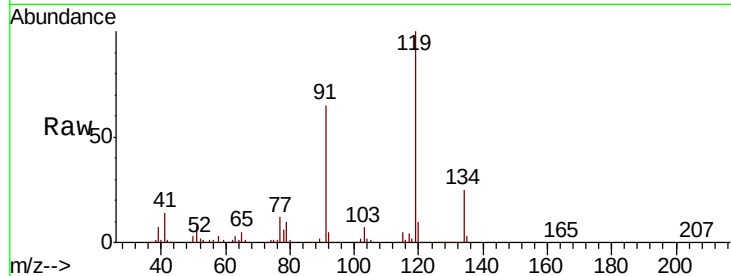
#83
 tert-Butylbenzene
 Concen: 20.288 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.3	96.9
134	26.4	13.0	38.9

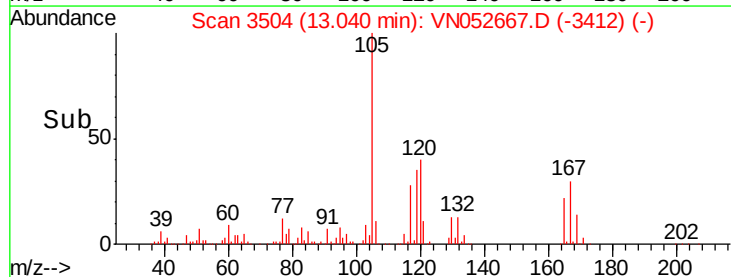
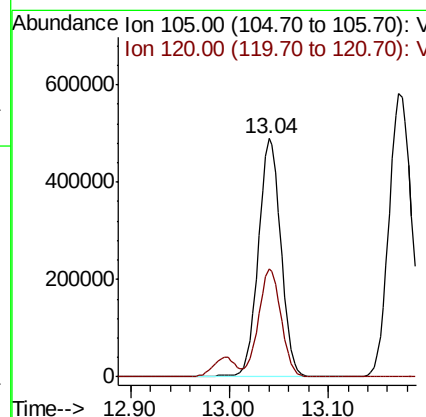
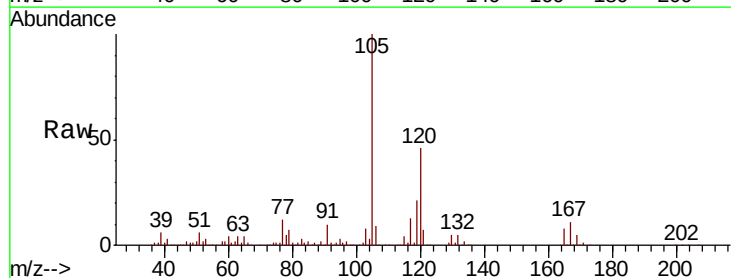
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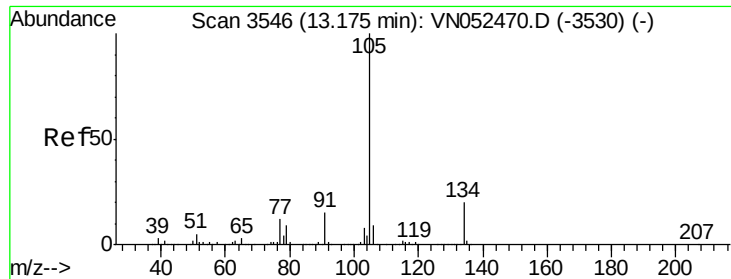
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.410 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.415 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1205WBS01

Tot Ion:105 Resp: 929245

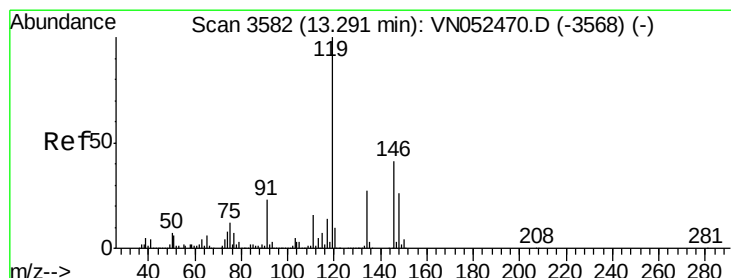
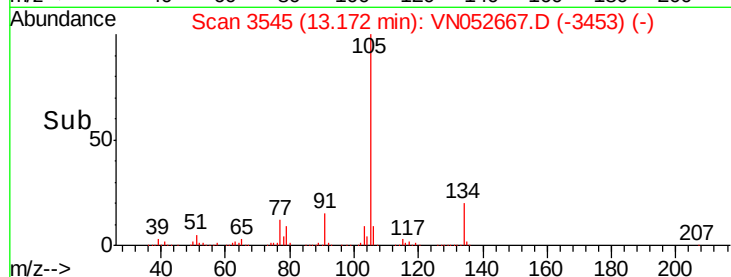
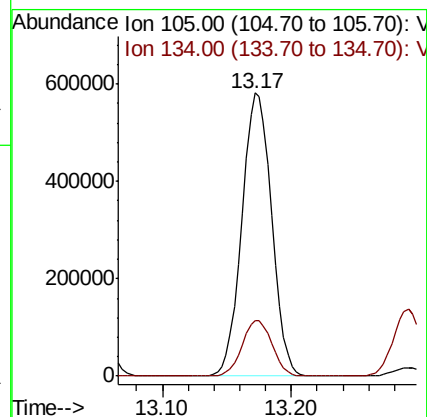
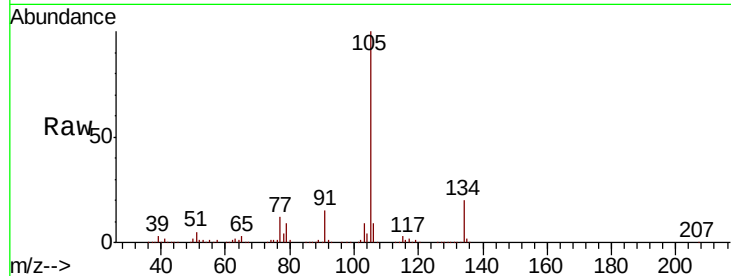
Ion Ratio Lower Upper

105 100

134 19.8 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 20.583 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

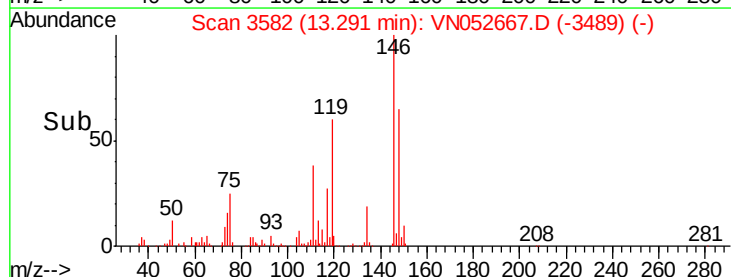
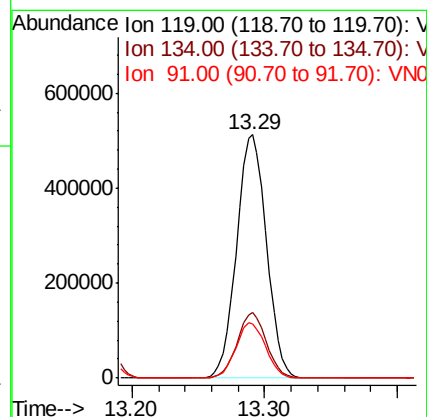
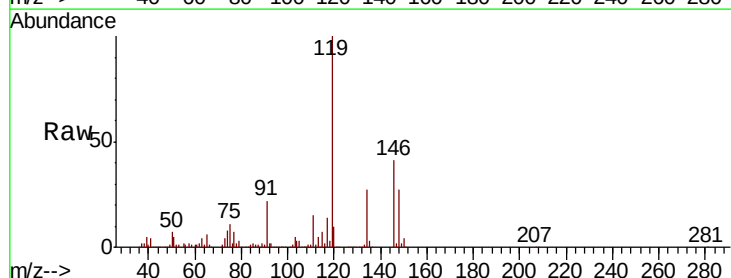
Tgt Ion:119 Resp: 797995

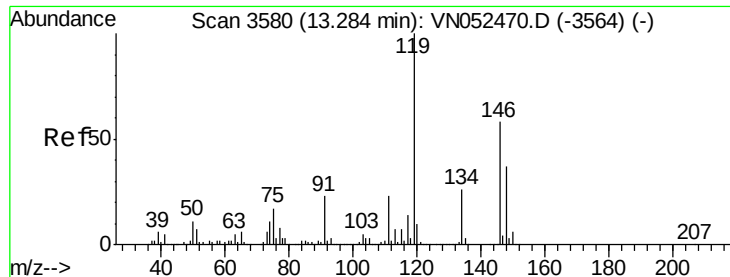
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 22.6 11.4 34.2





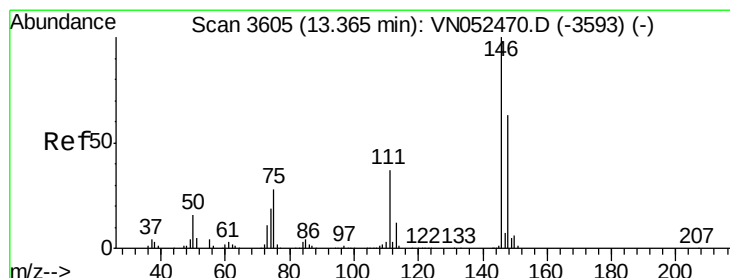
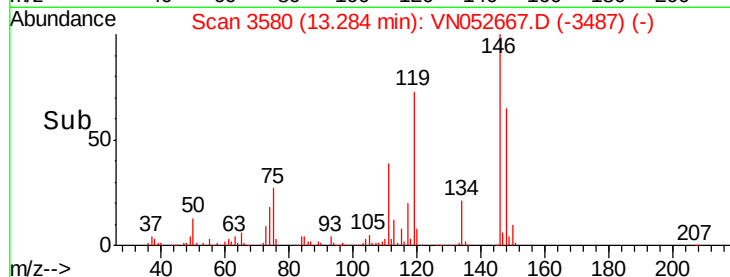
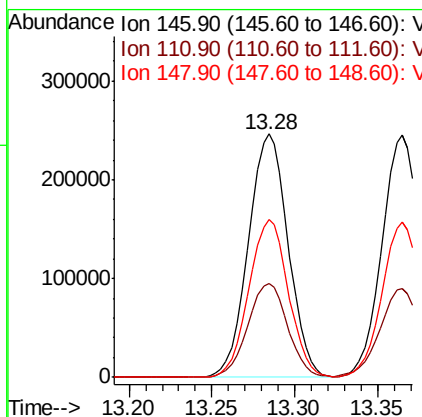
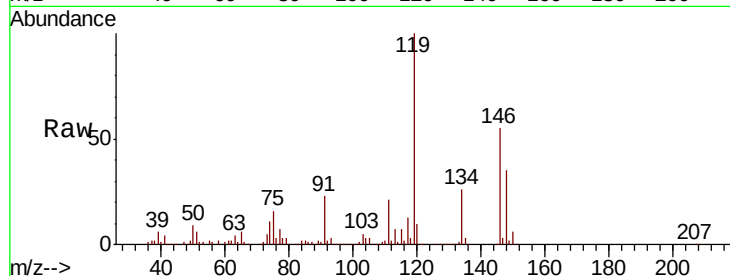
#87
 1,3-Dichlorobenzene
 Concen: 20.184 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.4
148	64.3	31.8	95.4

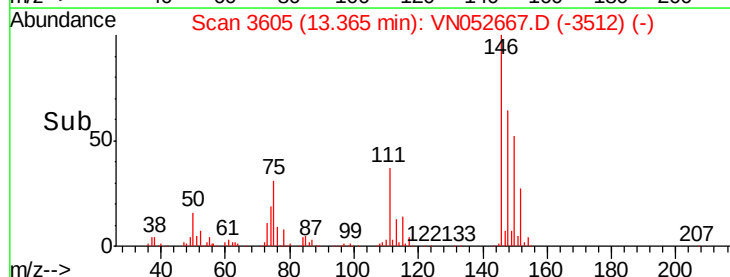
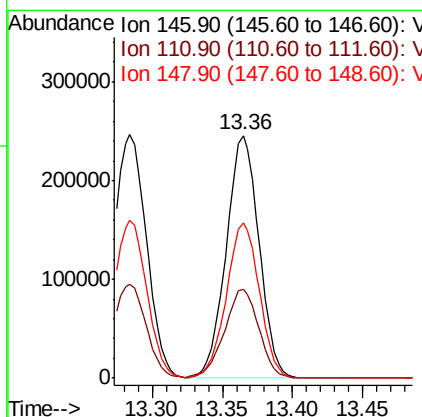
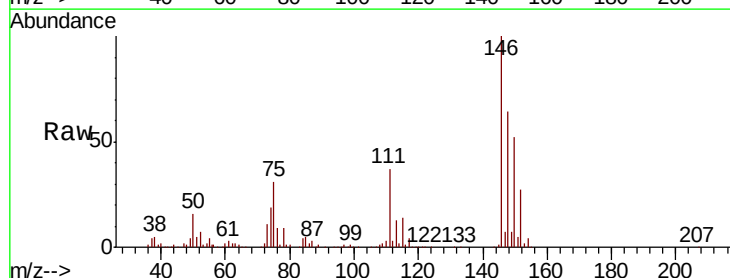
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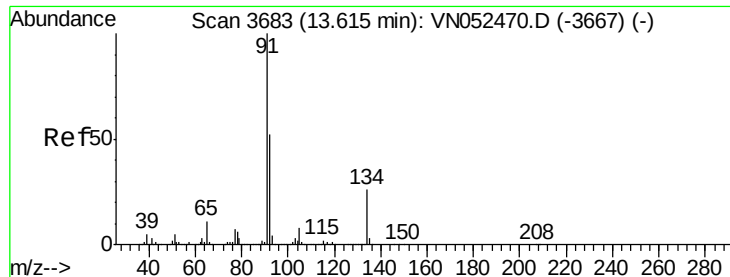
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#88
 1,4-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	56.0
148	64.4	31.9	95.9





#89

n-Butylbenzene

Concen: 20.304 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

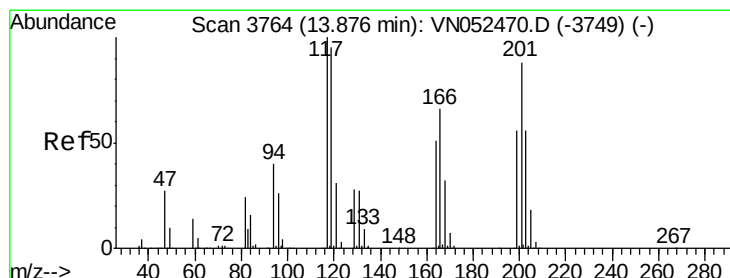
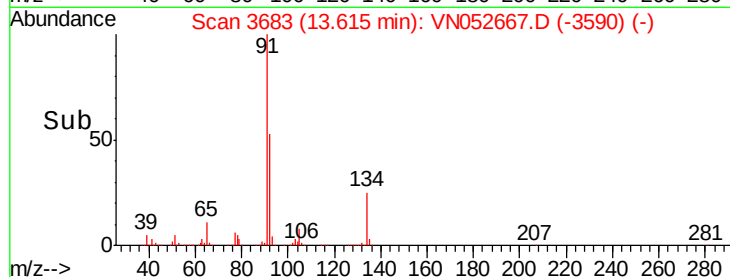
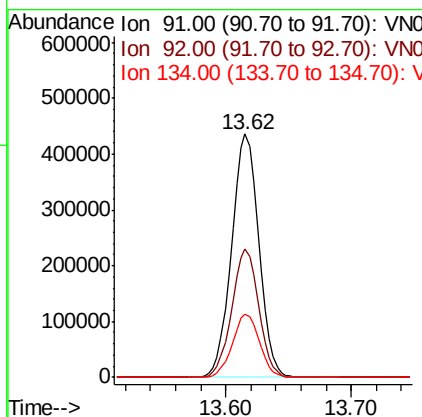
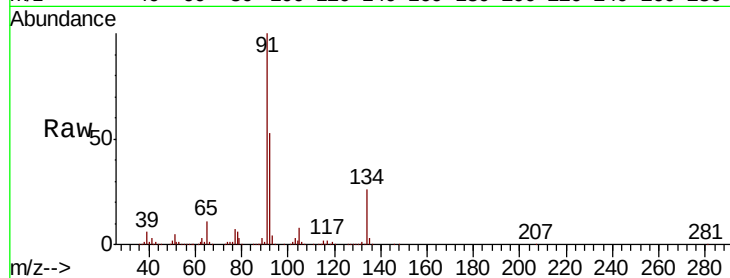
ClientSampleId :

VN1205WBS01

Tot Ion:	91	Resp:	654635
Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.1	78.3
134	25.9	13.0	38.9

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#90

Hexachloroethane

Concen: 20.150 ug/l

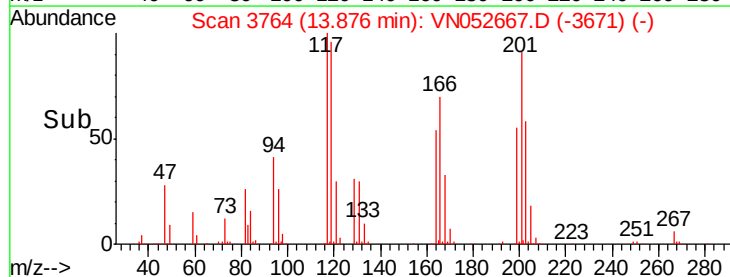
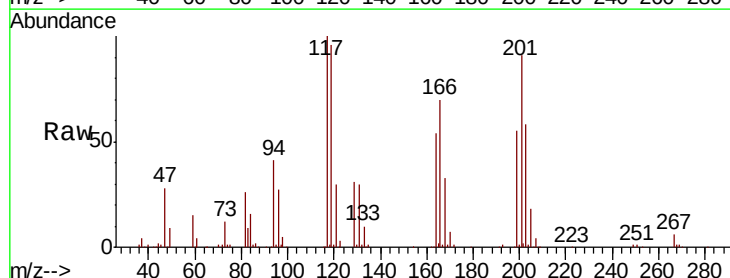
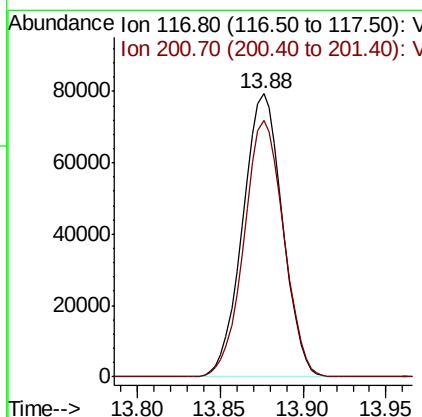
RT: 13.88 min Scan# 3764

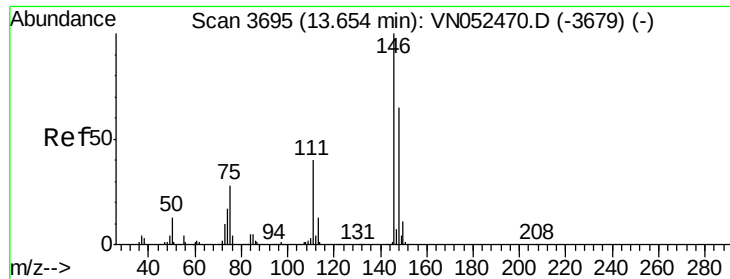
Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	117	Resp:	132274
Ion	Ratio	Lower	Upper
117	100		
201	90.4	43.6	130.9





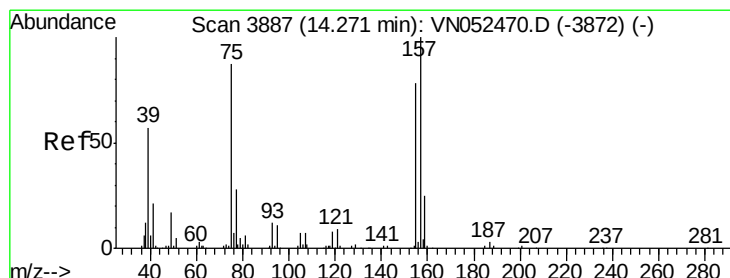
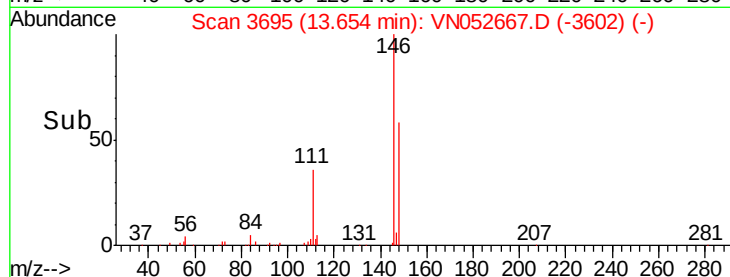
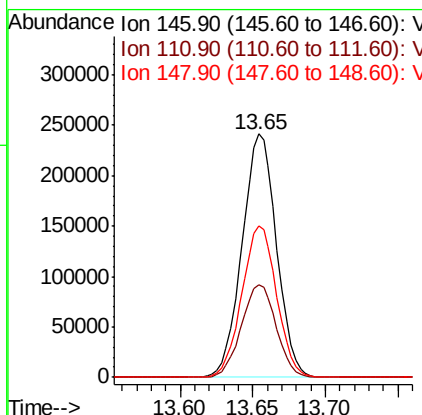
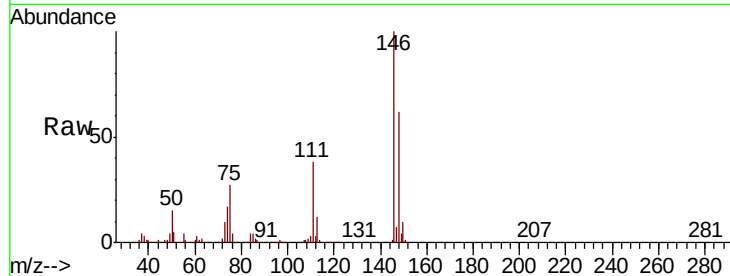
#91
 1,2-Dichlorobenzene
 Concen: 20.522 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1205WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.0	60.0
148	62.7	32.0	96.2

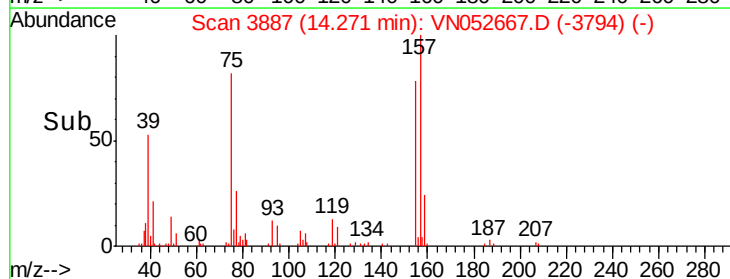
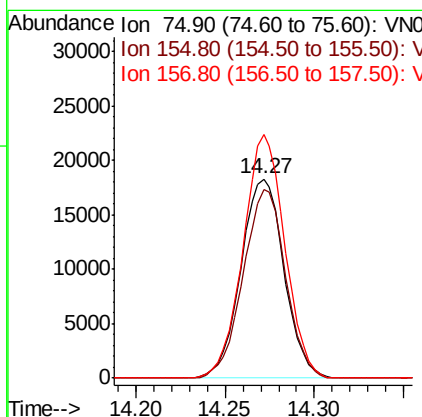
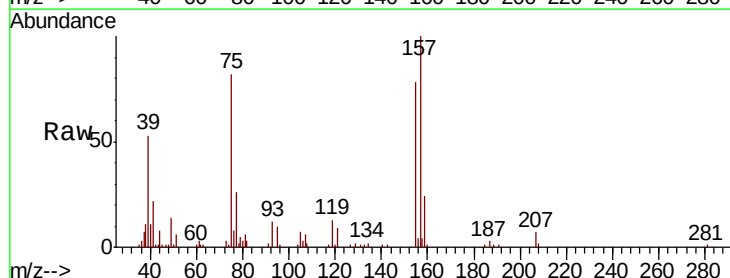
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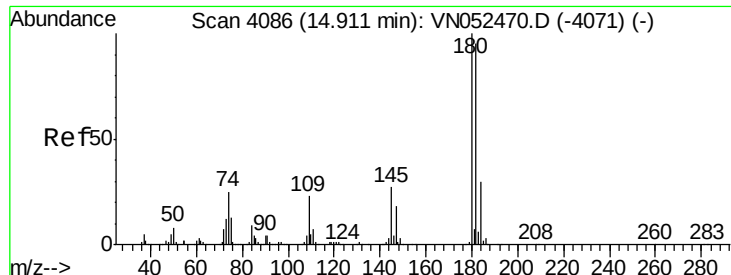
MMDadoda
 12/6/2018 9:08:57 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.175 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052667.D
 Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	45.3	135.9
157	118.1	58.1	174.2





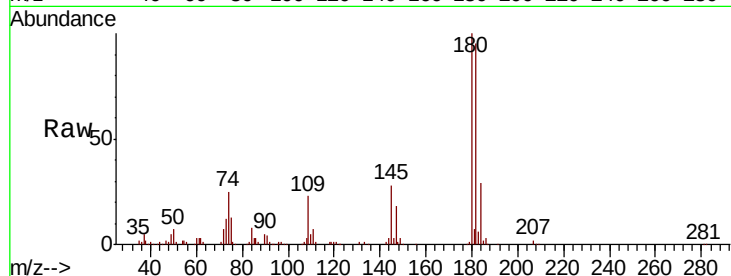
#93
1,2,4-Trichlorobenzene
Concen: 19.681 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1205WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	189986		
182	96.3	47.8	143.4	
145	28.7	14.1	42.3	

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12/6/2018 9:08:57 AM

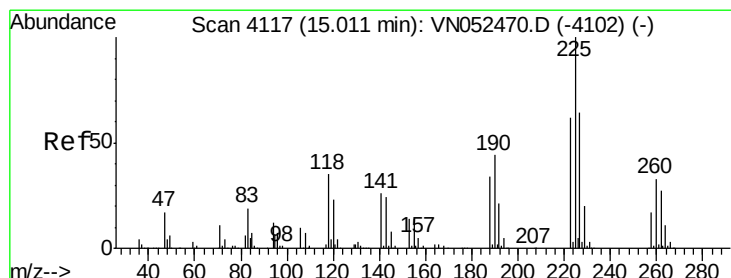
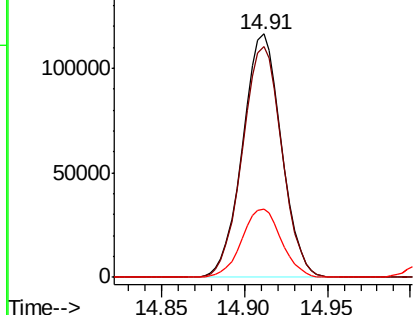
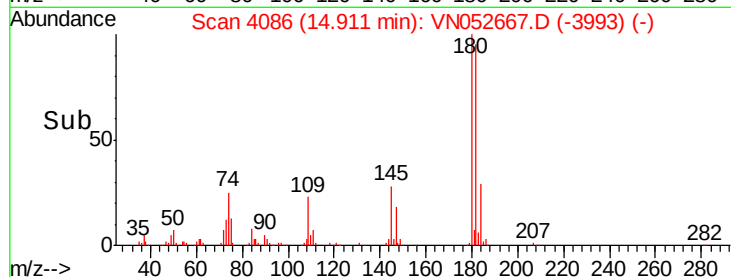


Abundance

Ion 179.80 (179.50 to 180.50): V

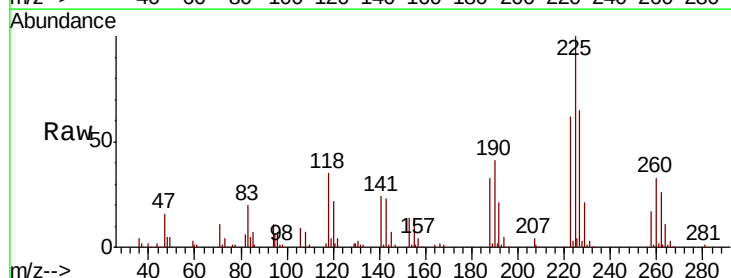
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 21.130 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN052667.D
Acq: 5 Dec 2018 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131981		
223	62.5	31.4	94.2	
227	64.2	32.5	97.4	

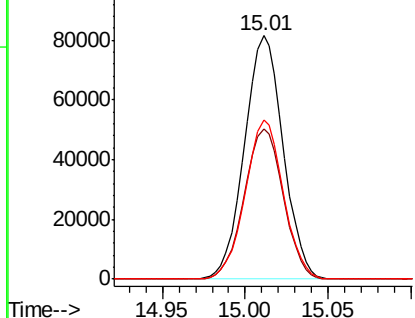
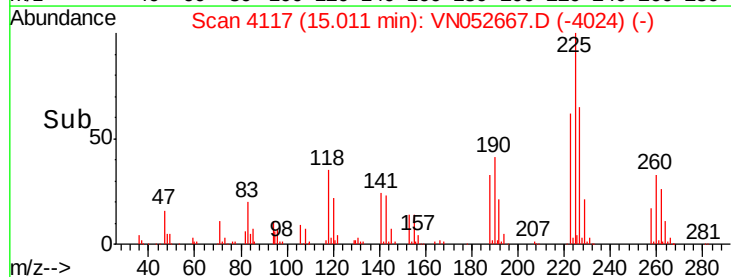


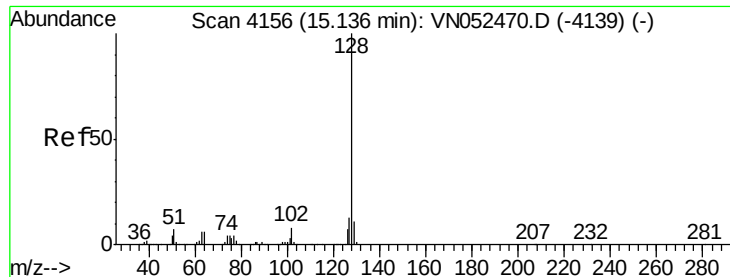
Abundance

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: 19.128 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Instrument :

MSVOA_N

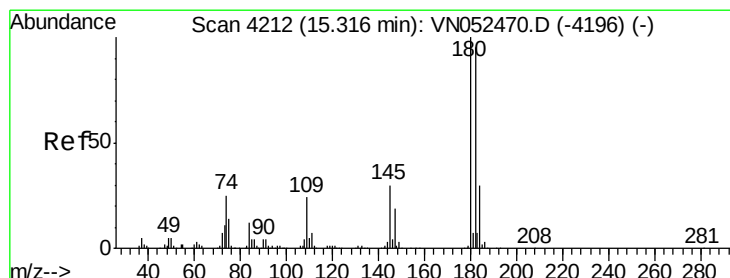
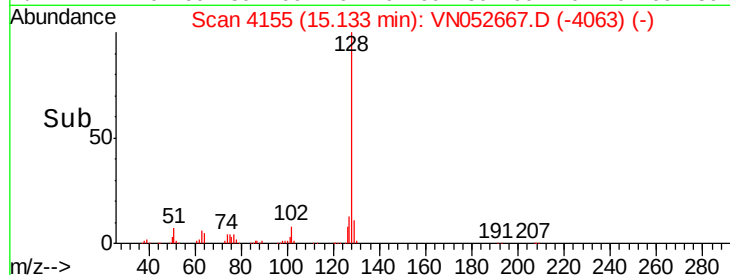
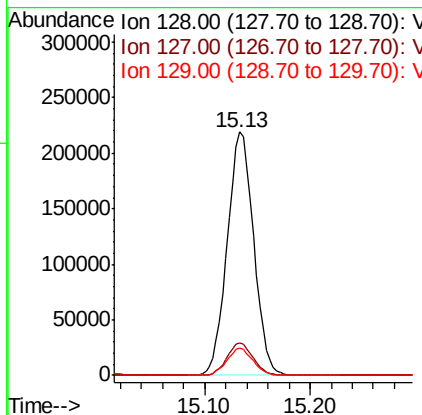
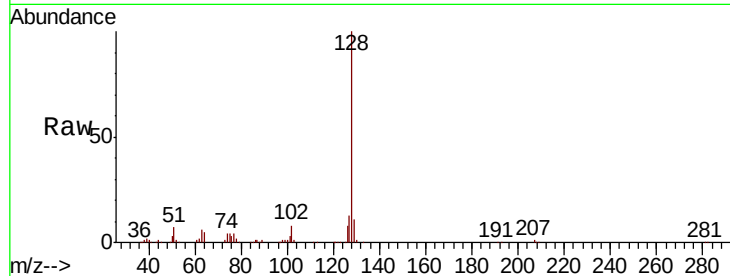
ClientSampleId :

VN1205WBS01

Tot Ion:	128	Resp:	380173
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/6/2018 9:08:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.277 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052667.D

Acq: 5 Dec 2018 11:06

Tgt Ion:	180	Resp:	181520
Ion Ratio		Lower	Upper
180	100		
182	94.2	47.8	143.3
145	30.9	15.2	45.5

