

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052688.D
 Acq On : 6 Dec 2018 9:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 1:12:39 PM

Quant Time: Dec 07 06:50:01 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	7.66	168	967676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1443679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1292053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	616210	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	545842	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.59	113	496798	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	10.09	98	1898235	54.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.58%	
62) 4-Bromofluorobenzene	12.40	95	659003	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	412916	45.572	ug/l	96
3) Chloromethane	2.06	50	525390	43.928	ug/l	99
4) Vinyl Chloride	2.19	62	557422	45.370	ug/l	99
5) Bromomethane	2.57	94	340972	44.480	ug/l	100
6) Chloroethane	2.71	64	343006	46.091	ug/l	100
7) Trichlorofluoromethane	3.02	101	740218	49.048	ug/l	99
8) Diethyl Ether	3.41	74	275153	49.371	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484848	51.487	ug/l	99
10) Methyl Iodide	3.95	142	680252	54.236	ug/l	100
11) Tert butyl alcohol	4.77	59	133845	253.748	ug/l	99
12) 1,1-Dichloroethene	3.74	96	438084	48.329	ug/l	99
13) Acrolein	3.60	56	184797	201.578	ug/l	99
14) Allyl chloride	4.33	41	769036	49.225	ug/l	98
15) Acrylonitrile	4.98	53	832670	249.379	ug/l	99
16) Acetone	3.81	43	834002	300.105	ug/l	98
17) Carbon Disulfide	4.06	76	1237654	43.387	ug/l	99
18) Methyl Acetate	4.32	43	423492	53.125	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1221351	50.642	ug/l	99
20) Methylene Chloride	4.55	84	516464	47.490	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	477731	49.346	ug/l	98
22) Diisopropyl ether	5.95	45	1654096	50.405	ug/l	98
23) Vinyl Acetate	5.89	43	5105150	249.766	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943999	50.382	ug/l	100
25) 2-Butanone	6.83	43	1057331	268.427	ug/l	97
26) 2,2-Dichloropropane	6.82	77	699299	53.921	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	565484	50.143	ug/l	99
28) Bromochloromethane	7.19	49	425221	49.687	ug/l	97
29) Tetrahydrofuran	7.21	42	615882	242.413	ug/l	99
30) Chloroform	7.37	83	928712	49.680	ug/l	99
31) Cyclohexane	7.65	56	851945	46.955	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	762318	51.469	ug/l	99
36) 1,1-Dichloropropene	7.79	75	706452	51.819	ug/l	99
37) Ethyl Acetate	6.93	43	422108	50.733	ug/l	99
38) Carbon Tetrachloride	7.77	117	671799	54.434	ug/l	99

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Quant Time: Dec 07 06:50:01 2018
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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)
39) Methylcyclohexane	9.08	83	862101	52.026	ug/l	99
40) Benzene	8.04	78	2129270	52.407	ug/l	99
41) Methacrylonitrile	7.17	41	239858	52.731	ug/l	96
42) 1,2-Dichloroethane	8.12	62	651279	52.941	ug/l	99
43) Isopropyl Acetate	8.16	43	738918	52.479	ug/l	99
44) Trichloroethene	8.83	130	553151	53.151	ug/l	98
45) 1,2-Dichloropropane	9.12	63	568884	52.666	ug/l	99
46) Dibromomethane	9.21	93	325099	54.367	ug/l	99
47) Bromodichloromethane	9.40	83	715806	55.058	ug/l	100
48) Methyl methacrylate	9.20	41	379725	51.721	ug/l	98
49) 1,4-Dioxane	9.20	88	84325	1106.691	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	2113113	267.483	ug/l	99
52) Toluene	10.16	92	1308694	54.214	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	706451	56.484	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	830655	55.421	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	468472	55.172	ug/l	100
56) Ethyl methacrylate	10.43	69	589780	50.019	ug/l	98
57) 1,3-Dichloropropane	10.71	76	798416	53.253	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1736410	281.820	ug/l	99
59) 2-Hexanone	10.75	43	1544375	291.276	ug/l	99
60) Dibromochloromethane	10.90	129	526310	57.069	ug/l	99
61) 1,2-Dibromoethane	11.01	107	453802	53.809	ug/l	100
64) Tetrachloroethene	10.63	164	560991	56.000	ug/l	99
65) Chlorobenzene	11.43	112	1442348	54.138	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	512502	55.325	ug/l	99
67) Ethyl Benzene	11.51	91	2537689	54.393	ug/l	99
68) m/p-Xylenes	11.62	106	1918826	110.478	ug/l	99
69) o-Xylene	11.95	106	924281	54.801	ug/l	100
70) Styrene	11.96	104	1536523	57.197	ug/l	99
71) Bromoform	12.13	173	351745	57.347	ug/l #	99
73) Isopropylbenzene	12.25	105	2513963	52.000	ug/l	99
74) N-amyl acetate	12.07	43	636065	52.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	545020	49.558	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	469416m	49.400	ug/l	
77) Bromobenzene	12.53	156	621145	51.980	ug/l	98
78) n-propylbenzene	12.59	91	2941936	53.565	ug/l	100
79) 2-Chlorotoluene	12.67	91	1676093	51.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2048047	53.117	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156361	54.952	ug/l	100
82) 4-Chlorotoluene	12.77	91	1729351	52.463	ug/l	99
83) tert-Butylbenzene	12.99	119	1814559	52.789	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2077526	53.765	ug/l	100
85) sec-Butylbenzene	13.17	105	2510224	53.616	ug/l	99
86) p-Isopropyltoluene	13.29	119	2166546	54.331	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1119299	53.548	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1104483	53.644	ug/l	100
89) n-Butylbenzene	13.62	91	1889293	56.969	ug/l	100
90) Hexachloroethane	13.88	117	367860	54.481	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1067833	53.471	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81487	51.807	ug/l	95

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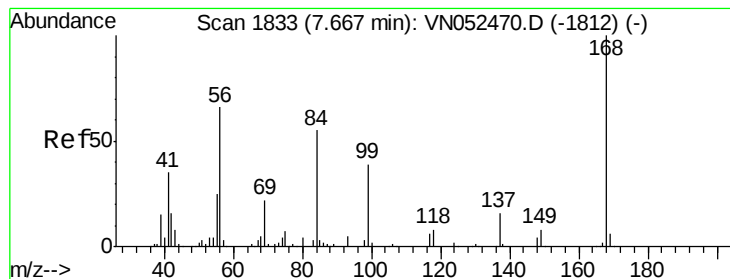
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	581928	53.013	ug/l	100
94) Hexachlorobutadiene	15.01	225	350026	54.483	ug/l	99
95) Naphthalene	15.13	128	1137358	49.091	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	536157	53.124	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 967676

Ion Ratio Lower Upper

168 100

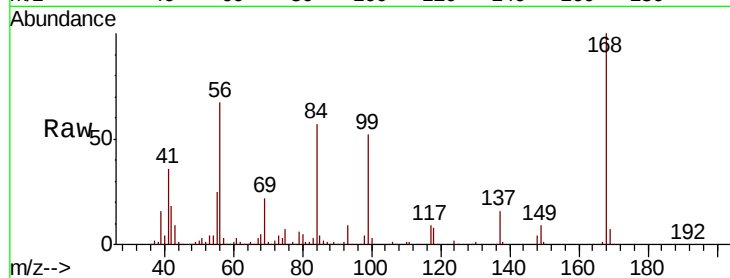
99 51.5 41.7 62.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

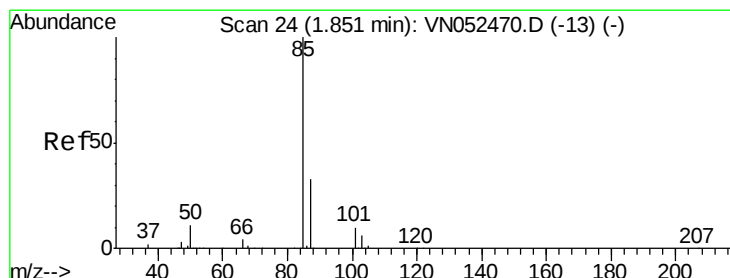
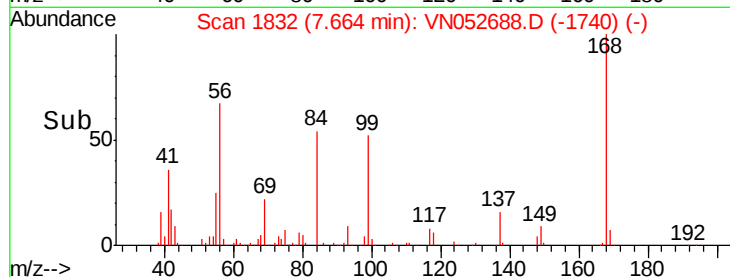
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 45.572 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052688.D

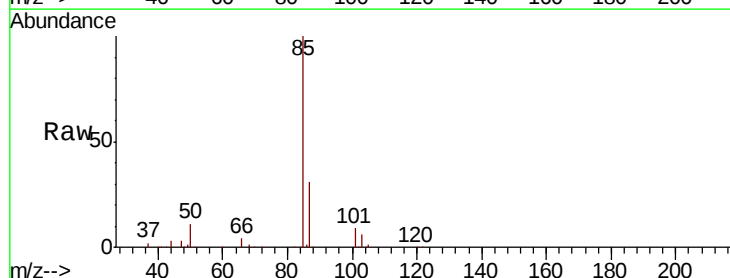
Acq: 6 Dec 2018 9:25

Tgt Ion: 85 Resp: 412916

Ion Ratio Lower Upper

85 100

87 31.3 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

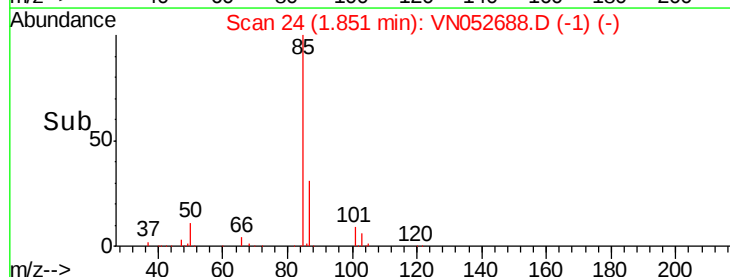
300000

200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 43.928 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 525390

Ion Ratio Lower Upper

50 100

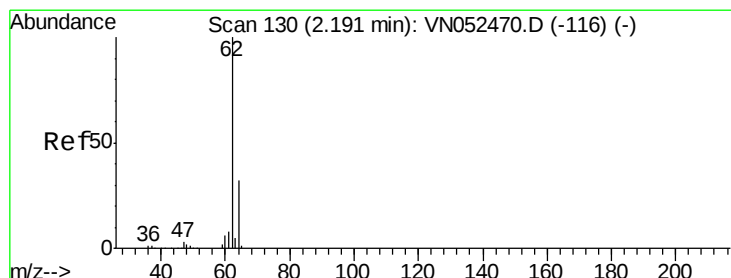
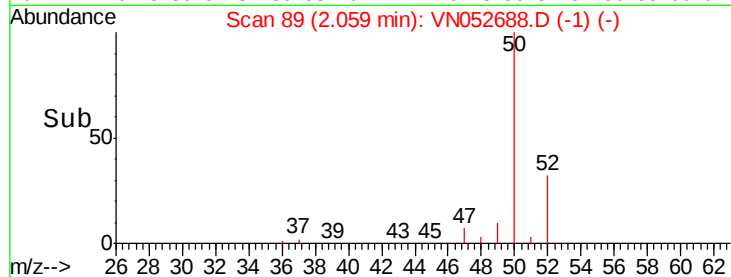
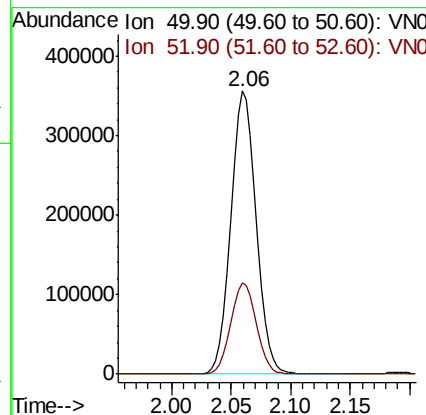
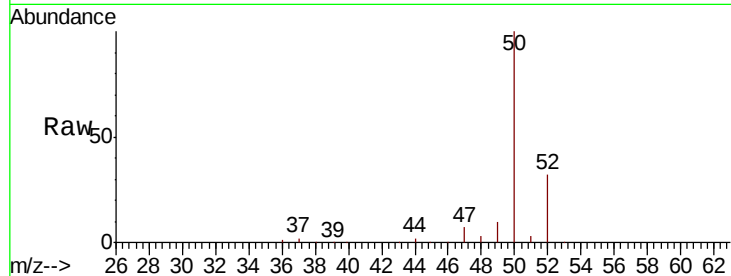
52 32.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.370 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052688.D

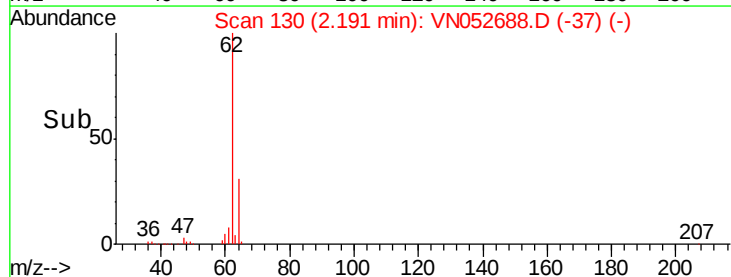
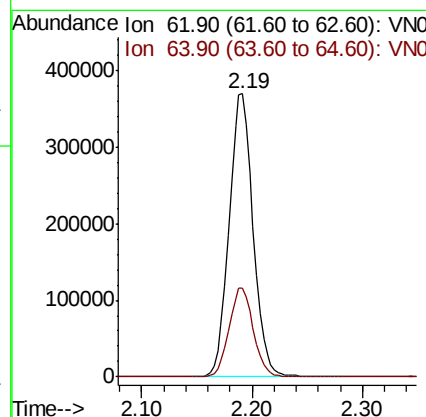
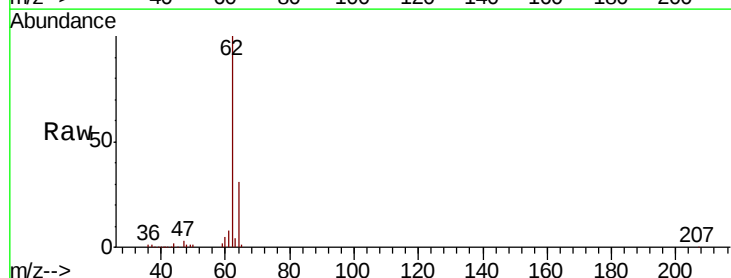
Acq: 6 Dec 2018 9:25

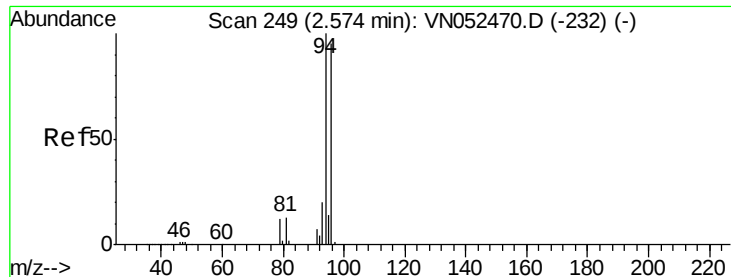
Tgt Ion: 62 Resp: 557422

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 44.480 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 340972

Ion Ratio Lower Upper

94 100

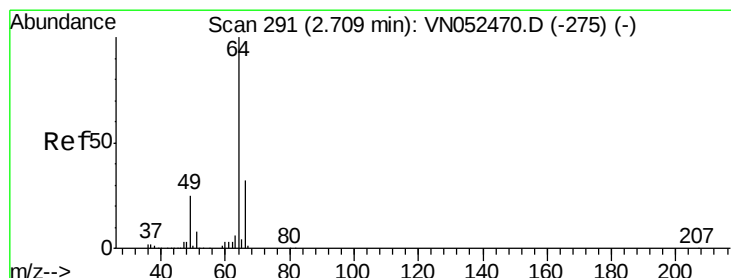
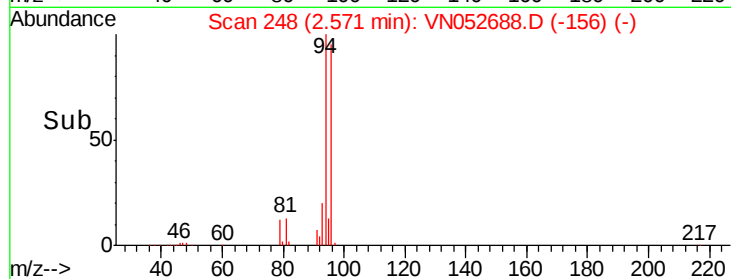
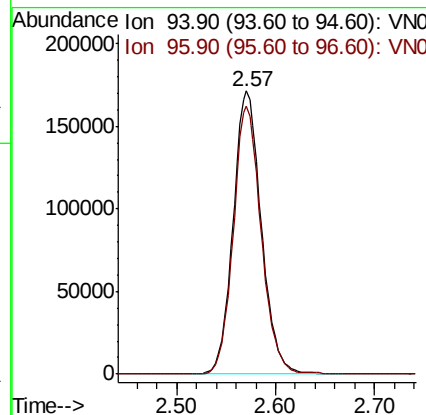
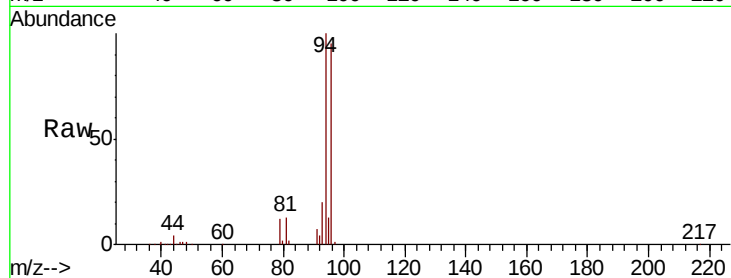
96 94.8 75.8 113.8

Manual Integrations

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#6

Chloroethane

Concen: 46.091 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052688.D

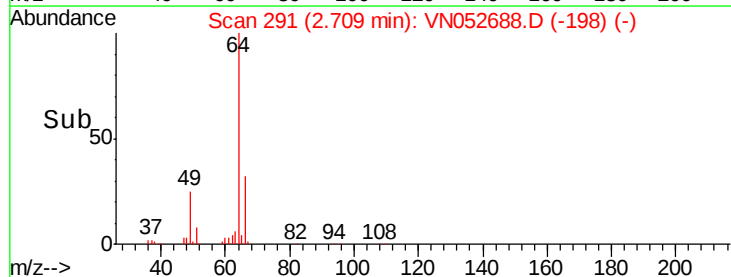
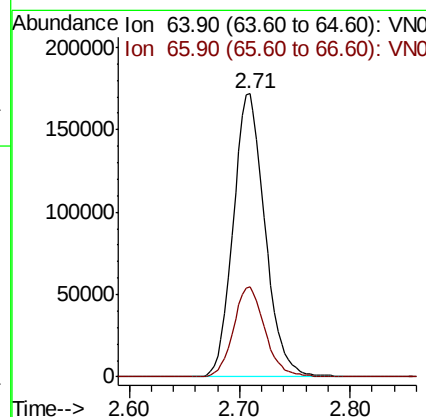
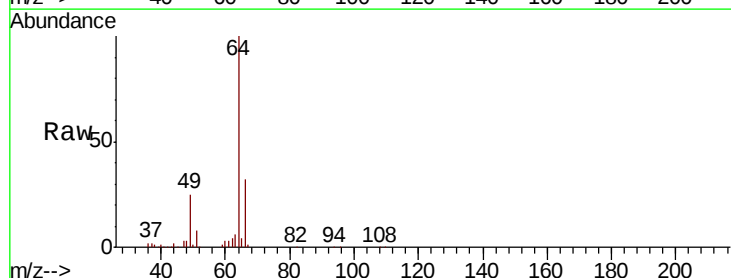
Acq: 6 Dec 2018 9:25

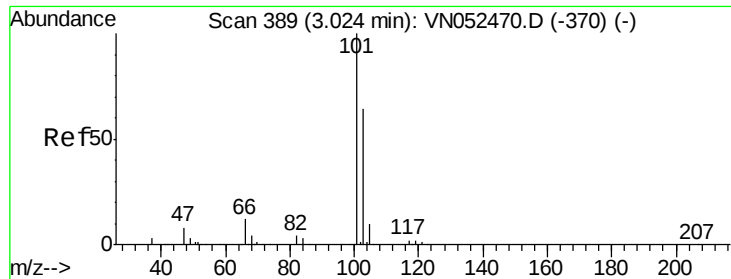
Tgt Ion: 64 Resp: 343006

Ion Ratio Lower Upper

64 100

66 31.9 25.7 38.5





#7

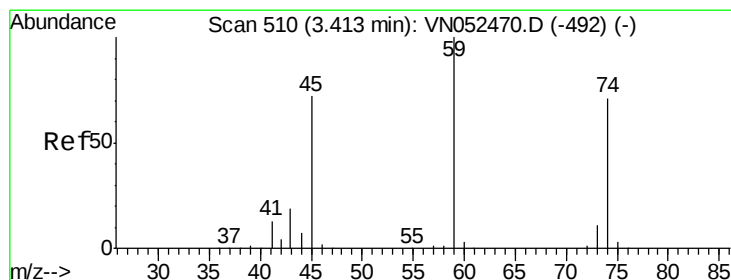
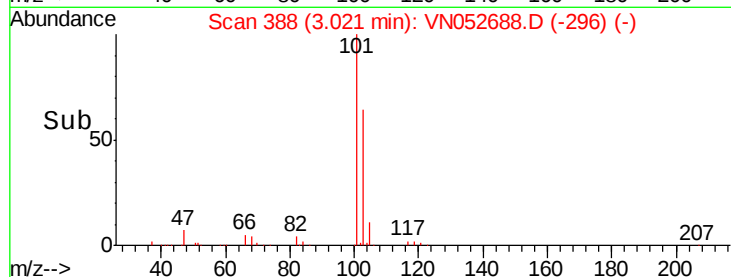
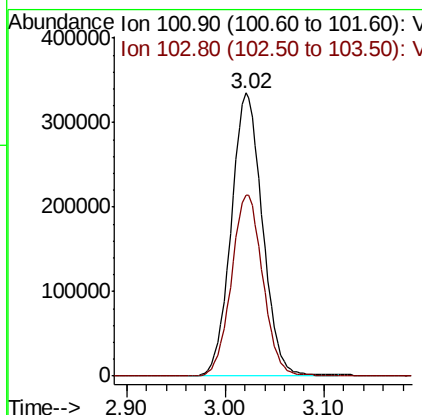
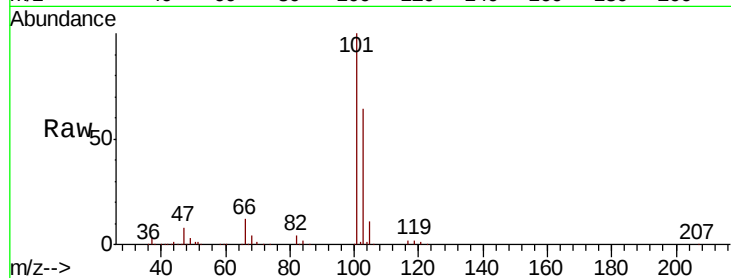
Trichlorofluoromethane
Concen: 49.048 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.4	77.2

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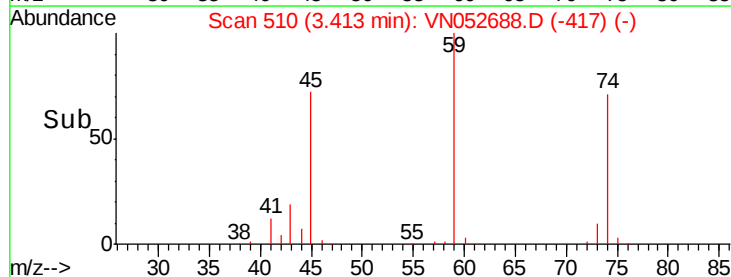
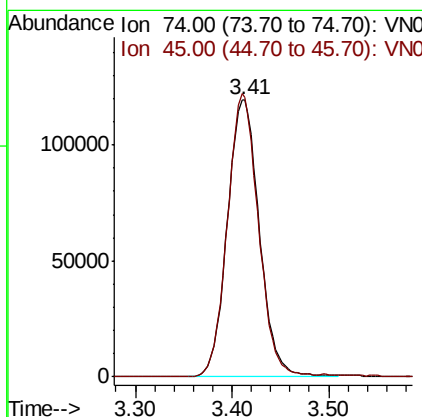
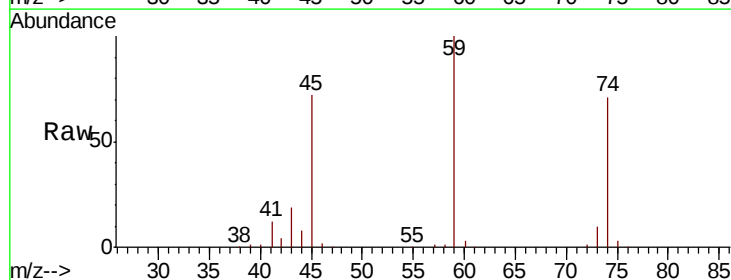
MMDadoda
12/7/2018 1:12:39 PM



#8

Diethyl Ether
Concen: 49.371 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.487 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

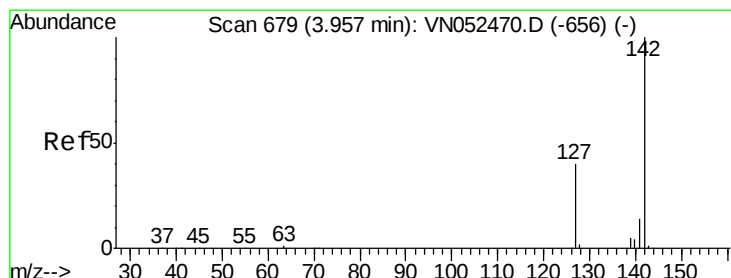
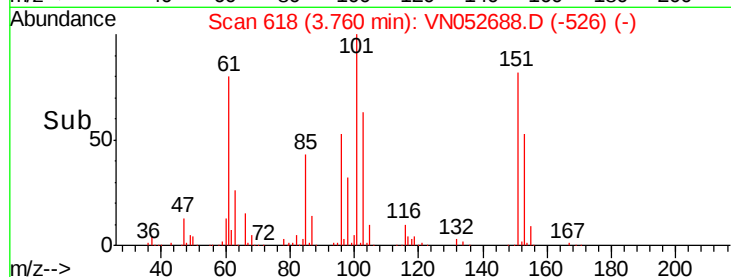
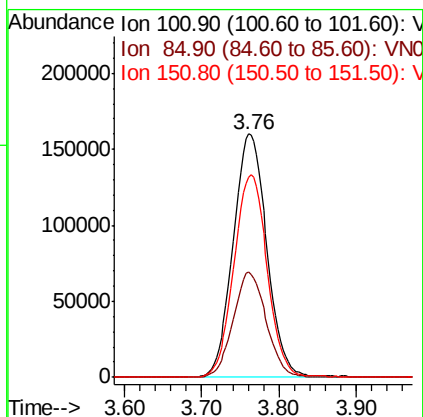
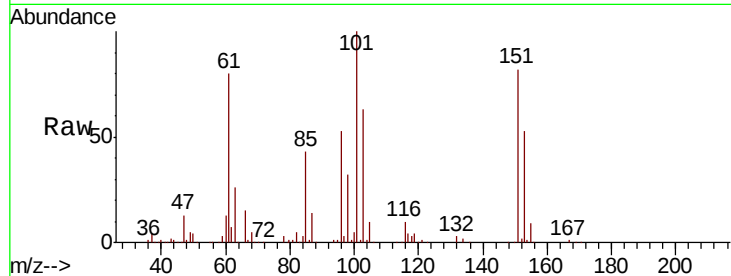
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	484848
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.9	64.6	96.8

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#10

Methyl Iodide

Concen: 54.236 ug/l

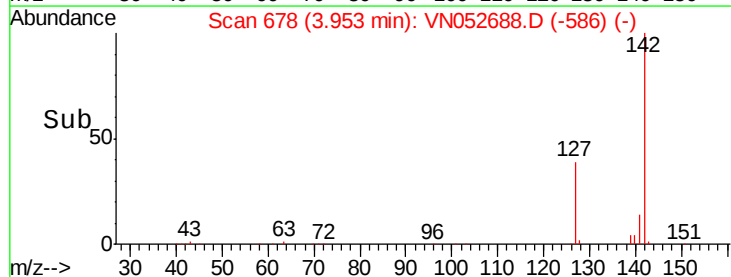
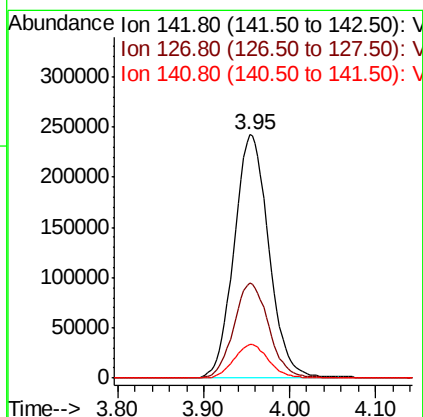
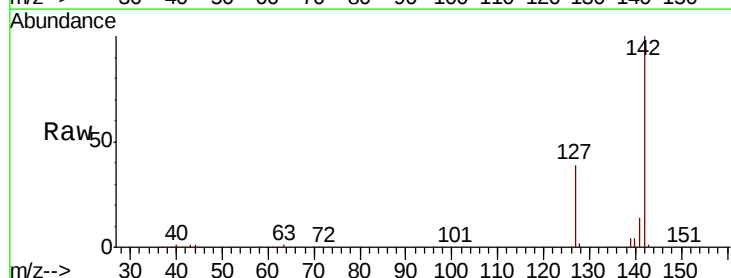
RT: 3.95 min Scan# 678

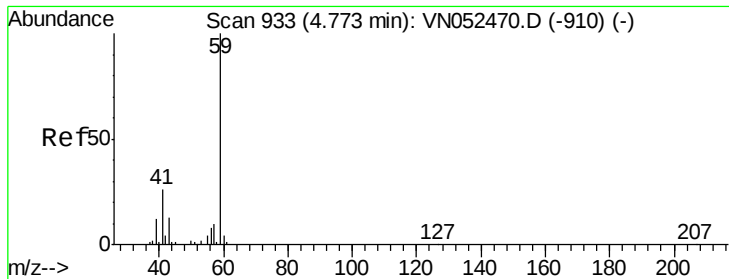
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	142	Resp:	680252
Ion Ratio	Lower	Upper	
142	100		
127	39.5	31.8	47.6
141	13.9	11.4	17.0





#11

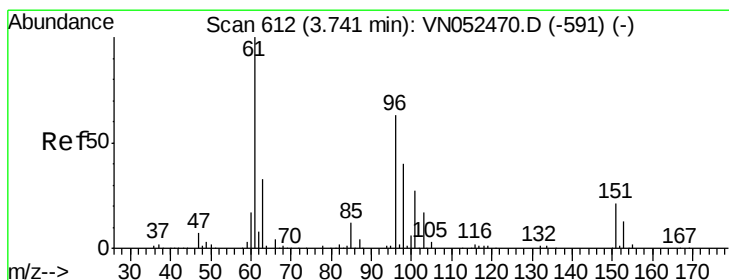
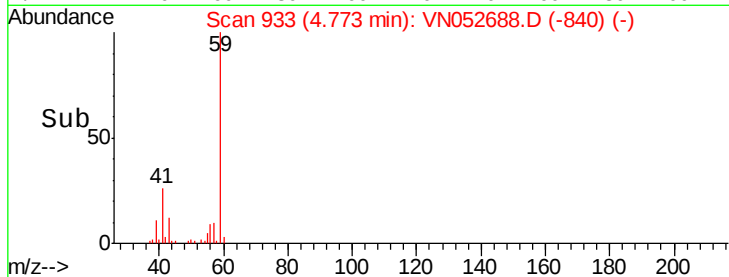
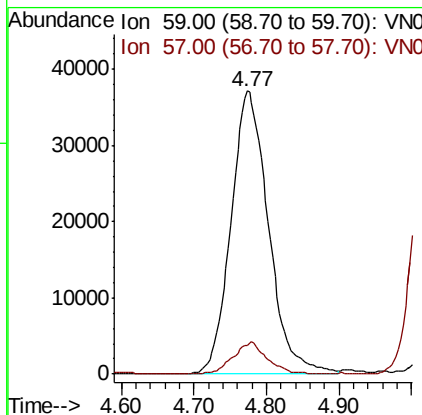
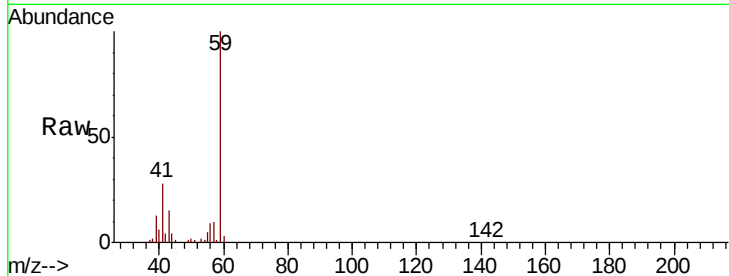
Tert butyl alcohol
 Concen: 253.748 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
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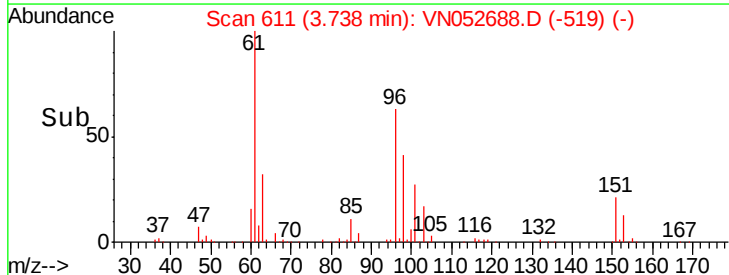
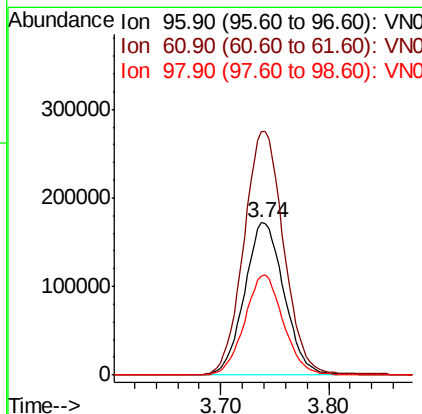
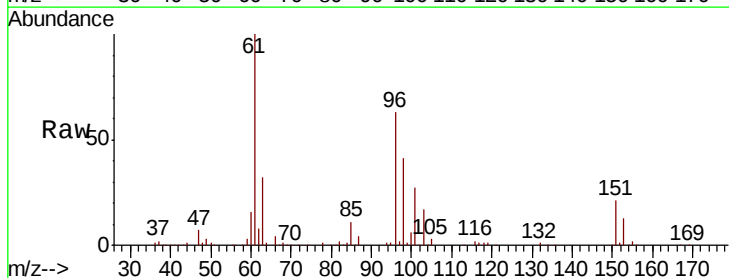
MMDadoda
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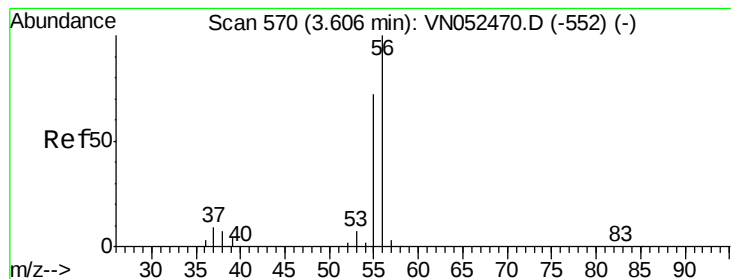


#12

1,1-Dichloroethene
 Concen: 48.329 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.7	127.0	190.6
98	65.2	50.3	75.5





#13

Acrolein

Concen: 201.578 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 184797

Ion Ratio Lower Upper

56 100

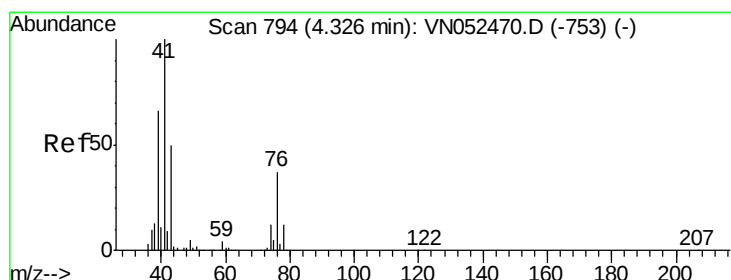
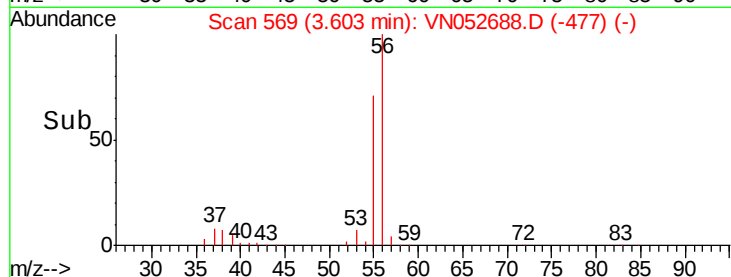
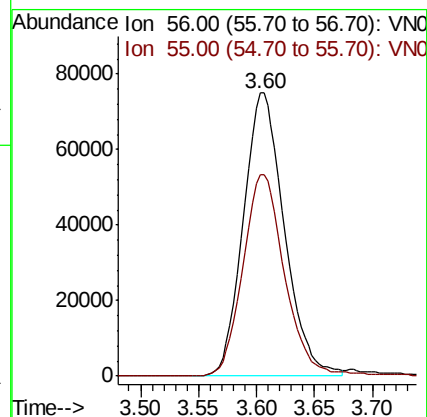
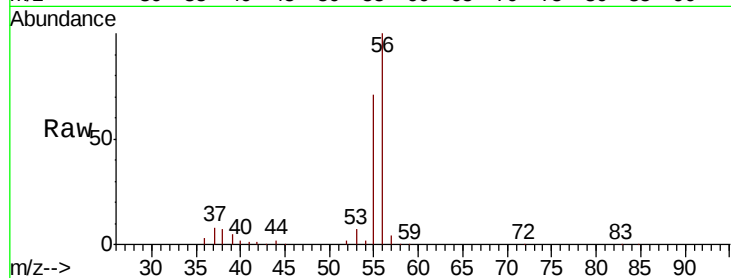
55 71.9 56.8 85.2

Manual Integrations

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#14

Allyl chloride

Concen: 49.225 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

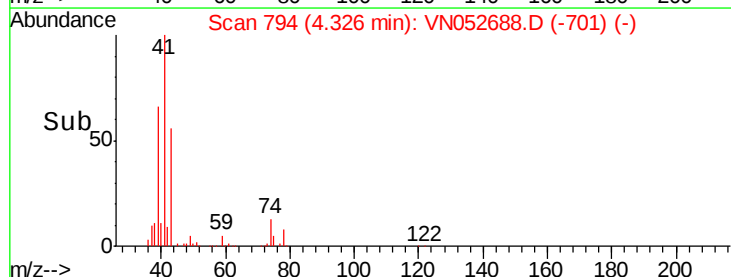
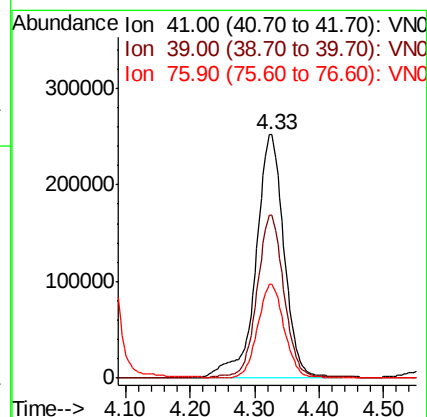
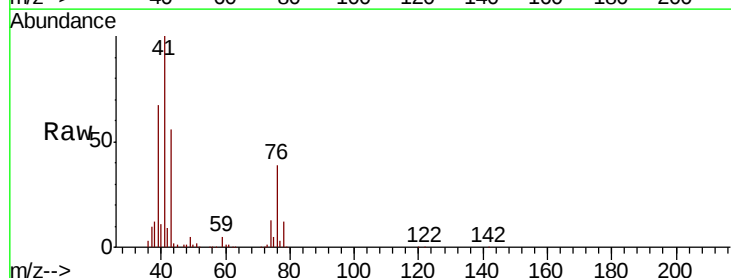
Tgt Ion: 41 Resp: 769036

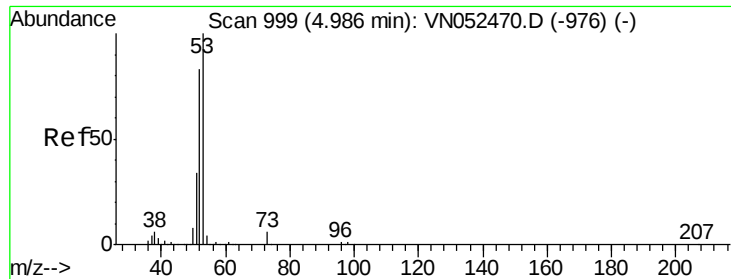
Ion Ratio Lower Upper

41 100

39 64.2 50.6 76.0

76 35.8 27.4 41.2





#15

Acrylonitrile

Concen: 249.379 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

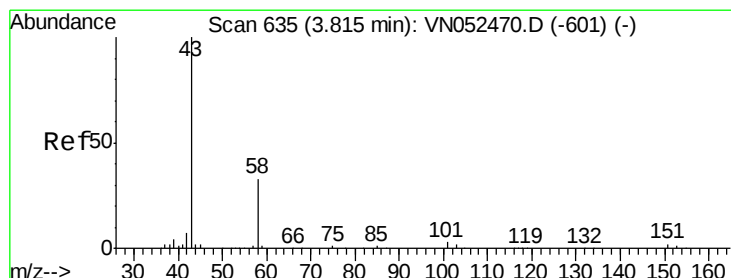
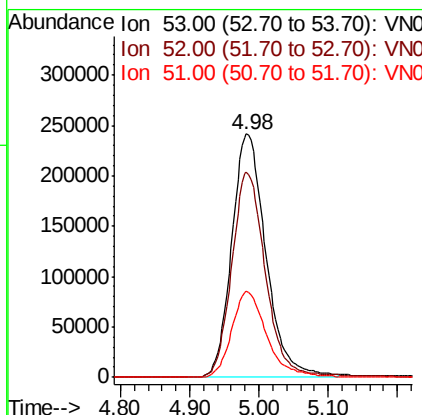
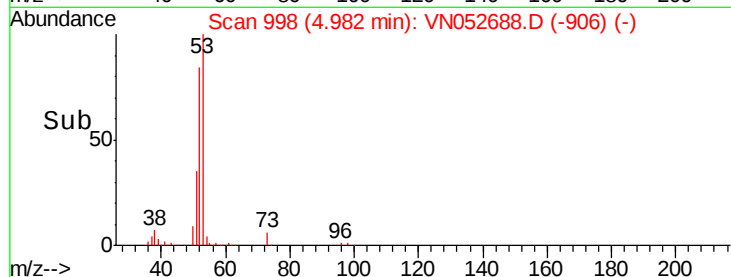
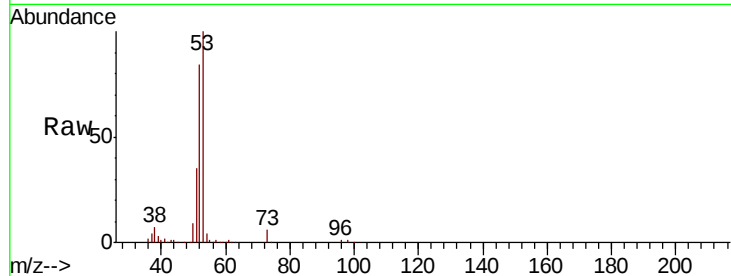
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	832670
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.1	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 300.105 ug/l

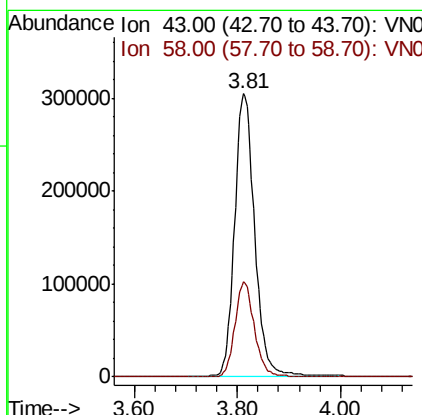
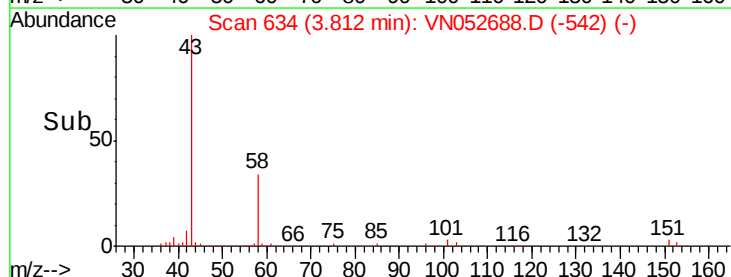
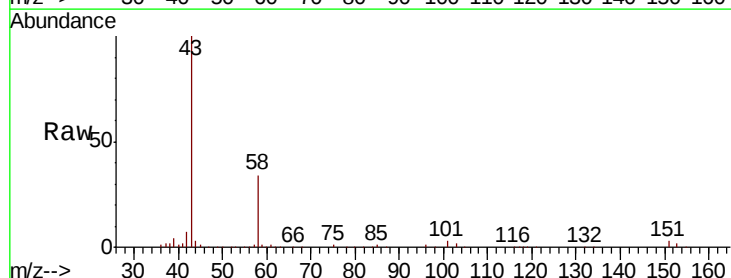
RT: 3.81 min Scan# 634

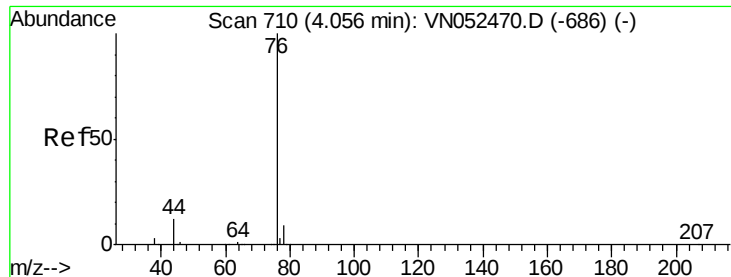
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	43	Resp:	834002
Ion	Ratio	Lower	Upper
43	100		
58	33.6	26.0	39.0





#17

Carbon Disulfide

Concen: 43.387 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 1237654

Ion Ratio Lower Upper

76 100

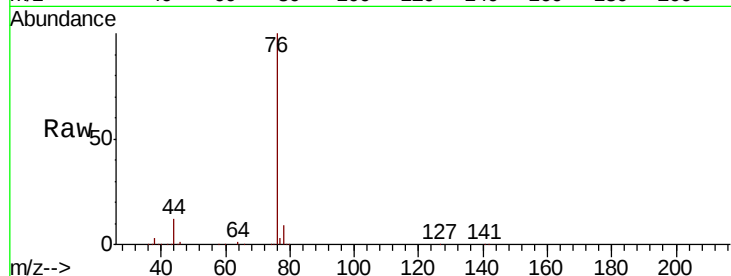
78 9.0 7.4 11.0

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

500000

400000

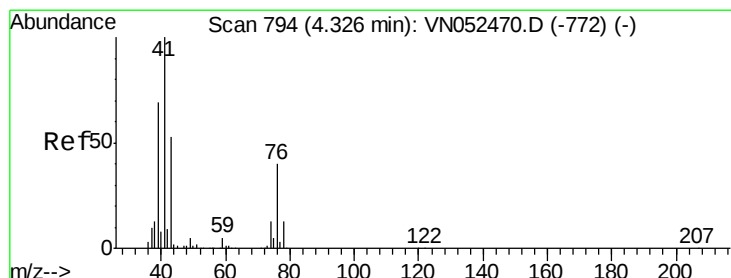
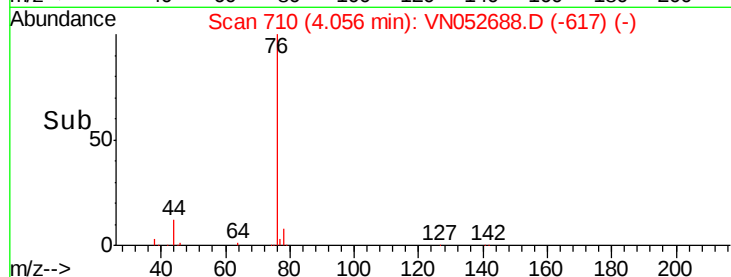
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 53.125 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052688.D

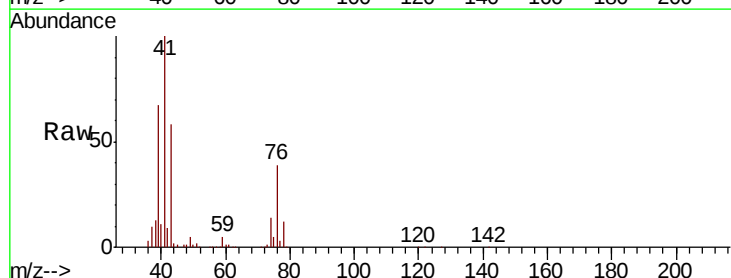
Acq: 6 Dec 2018 9:25

Tgt Ion: 43 Resp: 423492

Ion Ratio Lower Upper

43 100

74 23.2 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) (-)

4.32

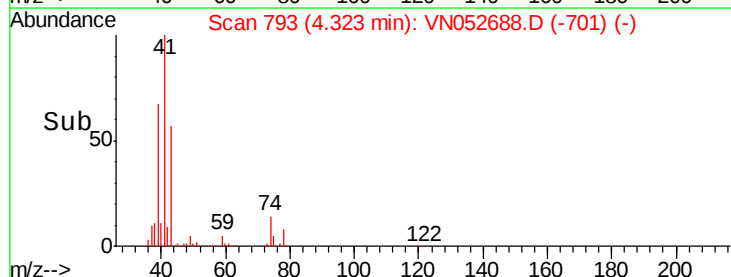
150000

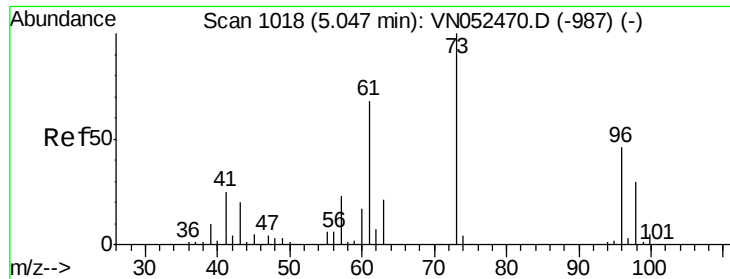
100000

50000

0

Time-->





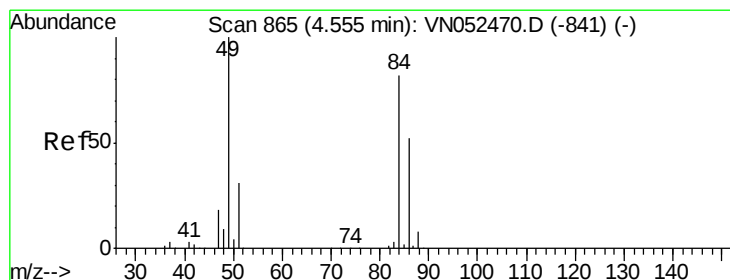
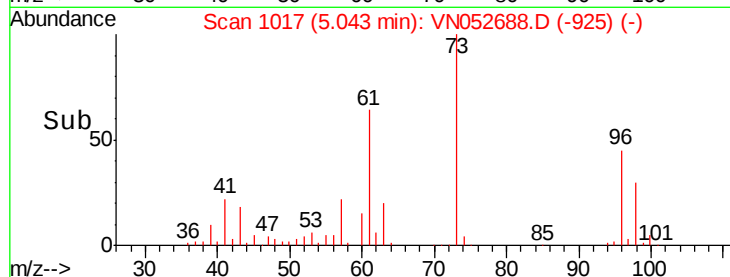
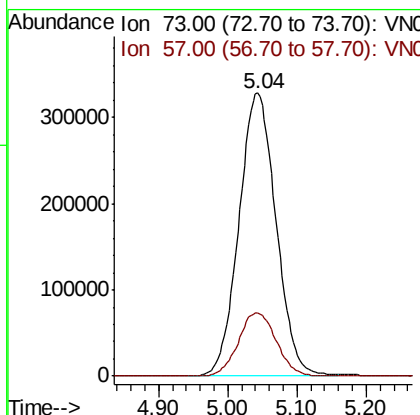
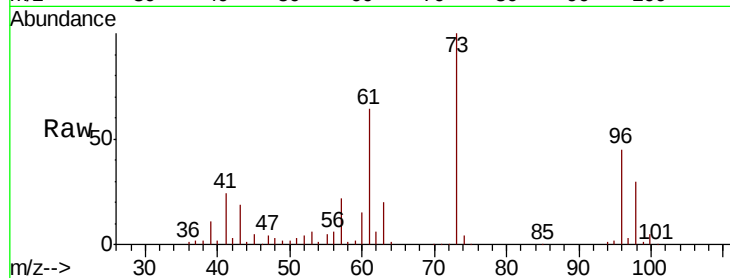
#19
Methvl tert-butvl Ether
Concen: 50.642 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1221351
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.2

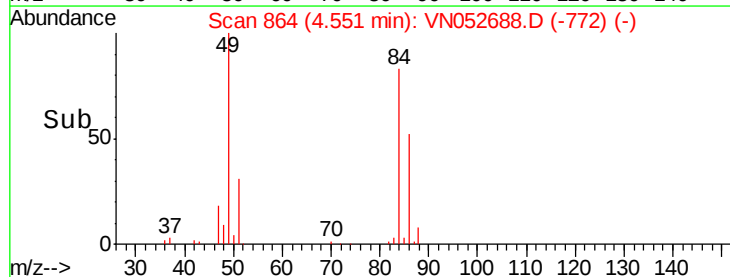
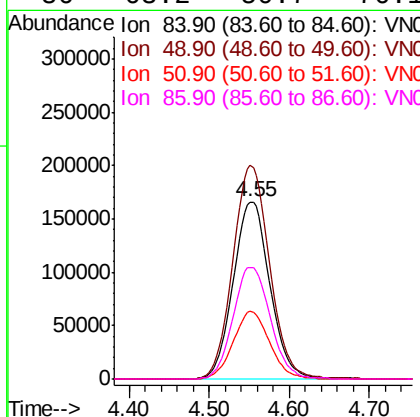
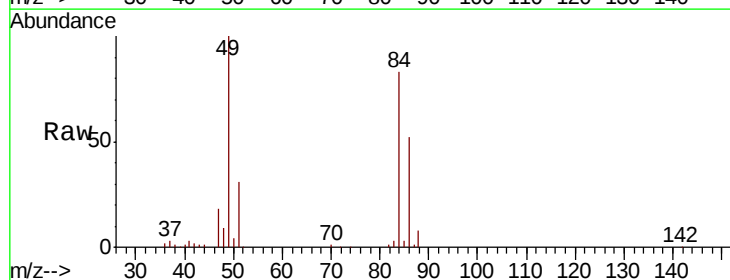
Manual Integrations
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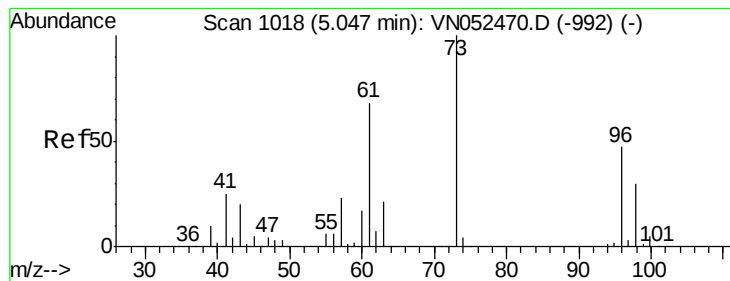
MMDadoda
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#20
Methylene Chloride
Concen: 47.490 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 84 Resp: 516464
Ion Ratio Lower Upper
84 100
49 120.5 98.0 147.0
51 37.8 30.1 45.1
86 63.2 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 49.346 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 96 Resp: 477731

Ion Ratio Lower Upper

96 100

61 143.1 117.0 175.4

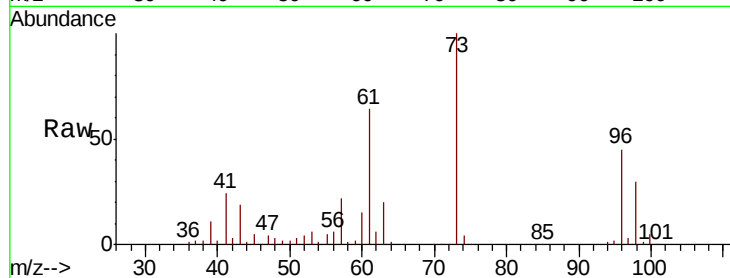
98 66.6 51.8 77.6

Manual Integrations

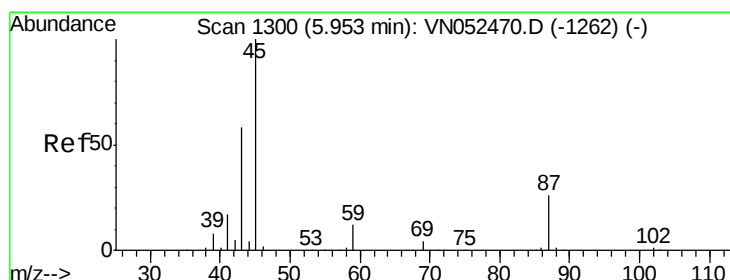
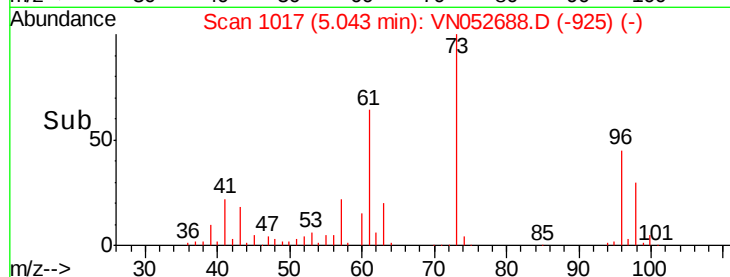
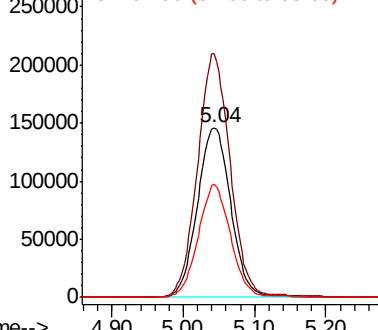
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 50.405 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion: 45 Resp: 1654096

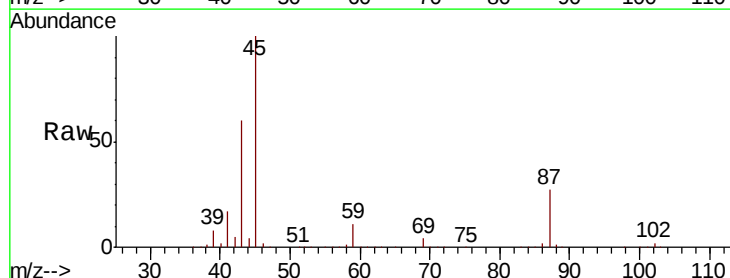
Ion Ratio Lower Upper

45 100

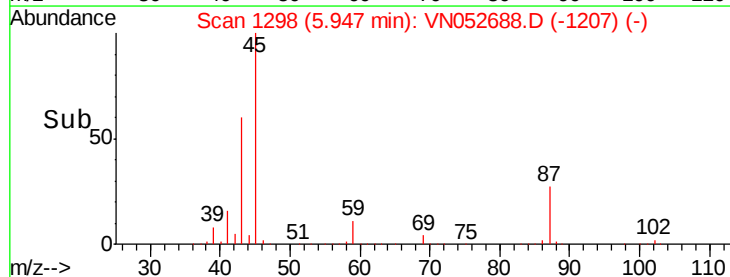
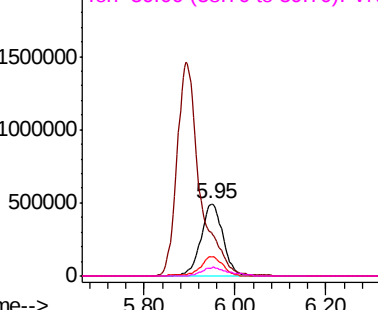
43 60.0 46.1 69.1

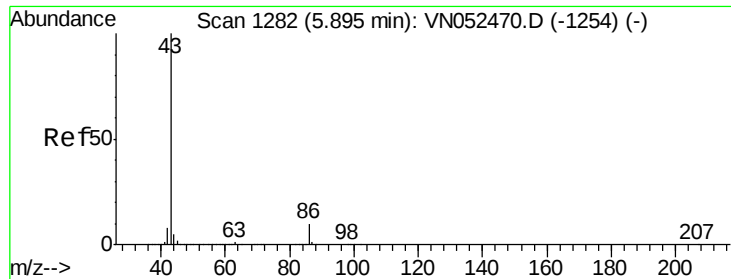
87 27.0 21.3 31.9

59 11.4 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





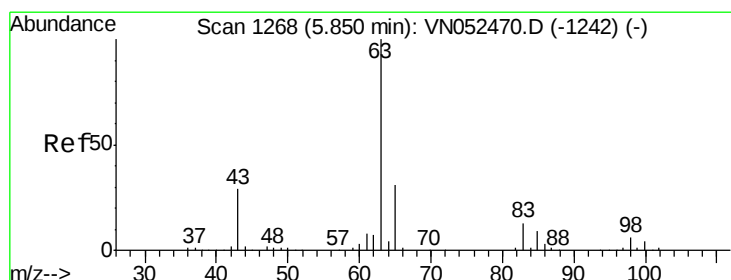
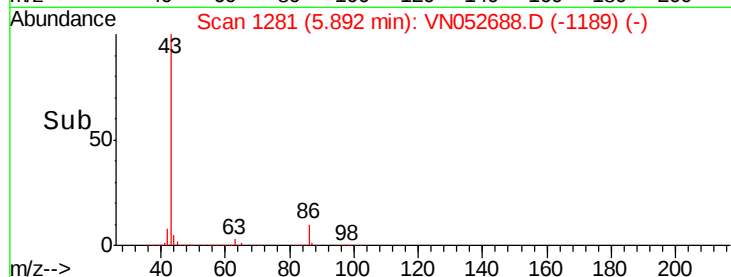
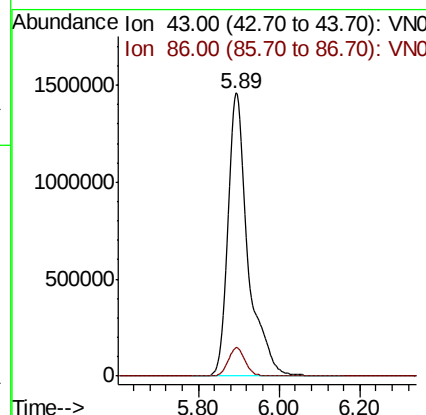
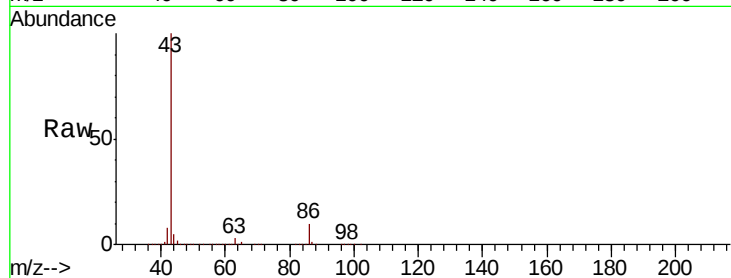
#23
 Vinyl Acetate
 Concen: 249.766 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 5105150
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

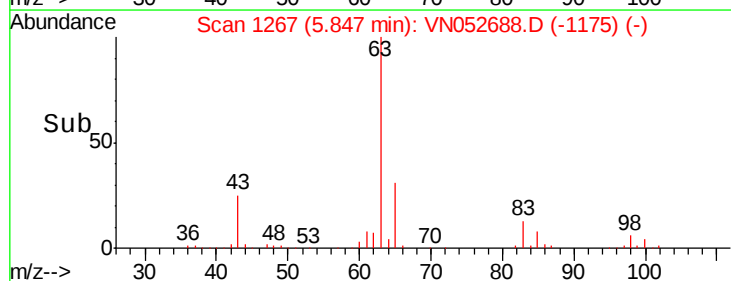
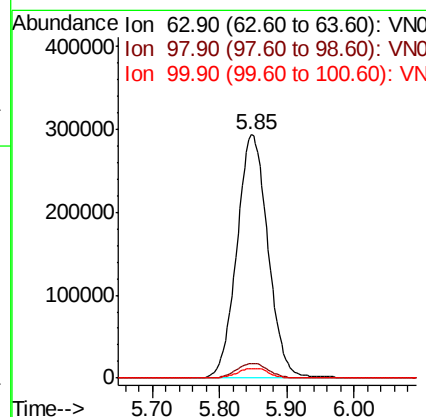
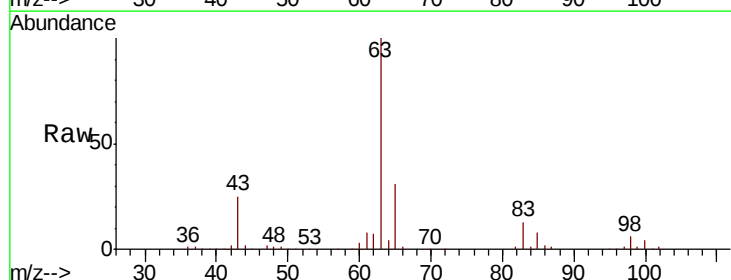
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 50.382 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 63 Resp: 943999
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 4.0 2.0 5.8





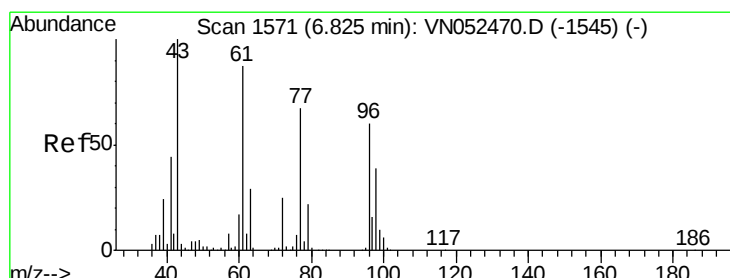
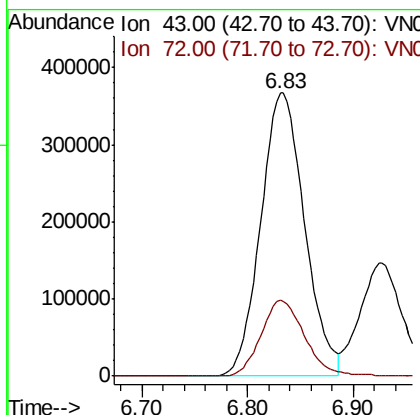
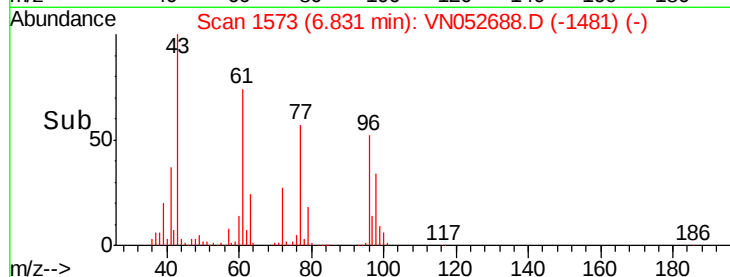
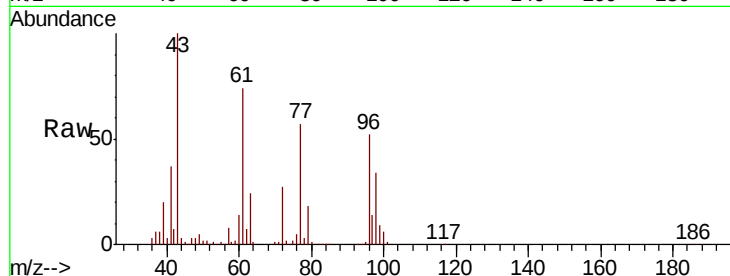
#25
2-Butanone
Concen: 268.427 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1057331
Ion Ratio Lower Upper
43 100
72 26.8 20.1 30.1

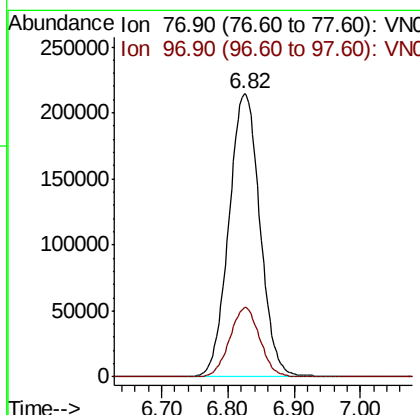
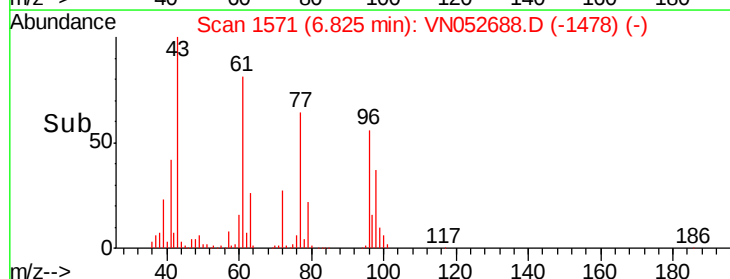
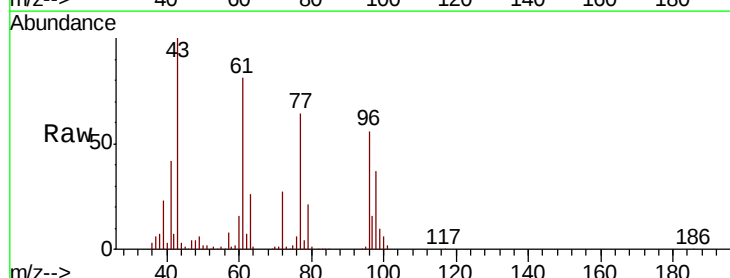
Manual Integrations
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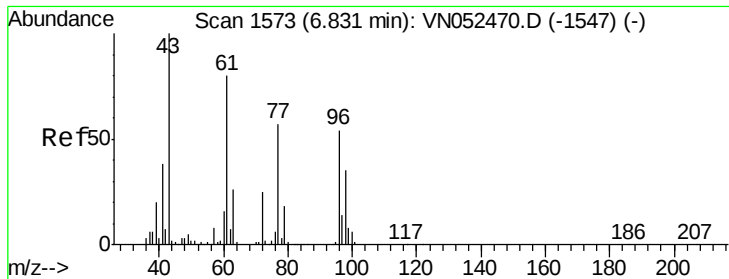
MMDadoda
12/7/2018 1:12:39 PM



#26
2,2-Dichloropropane
Concen: 53.921 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 77 Resp: 699299
Ion Ratio Lower Upper
77 100
97 23.7 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.143 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

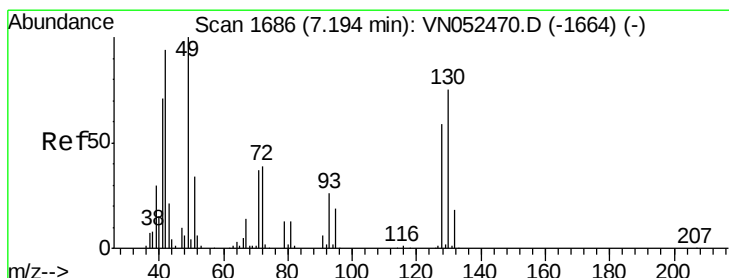
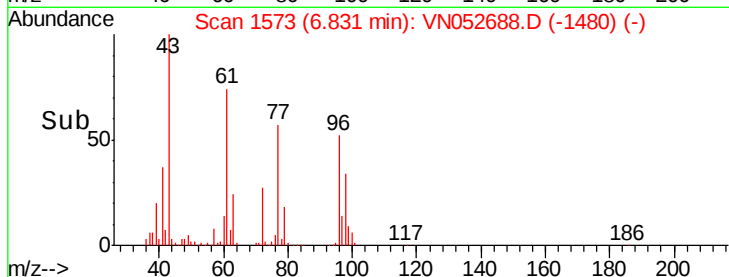
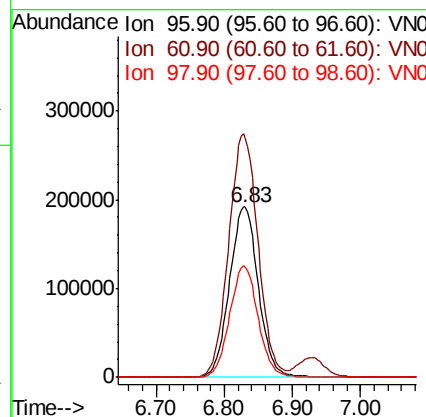
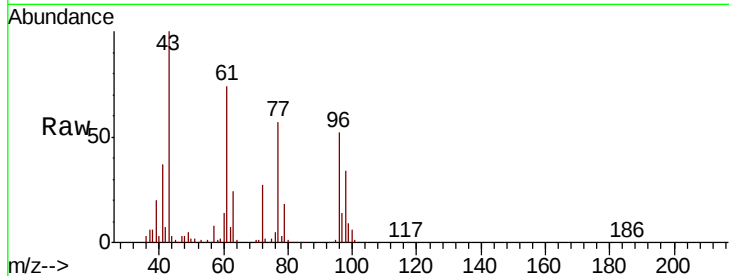
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	565484
Ion	Ratio	Lower	Upper
96	100		
61	144.5	0.0	291.0
98	64.6	0.0	130.0

Manual Integrations
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#28

Bromochloromethane

Concen: 49.687 ug/l

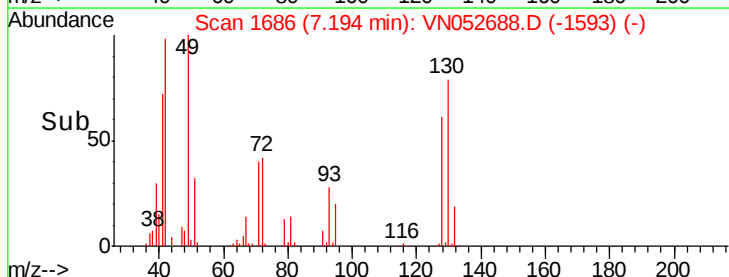
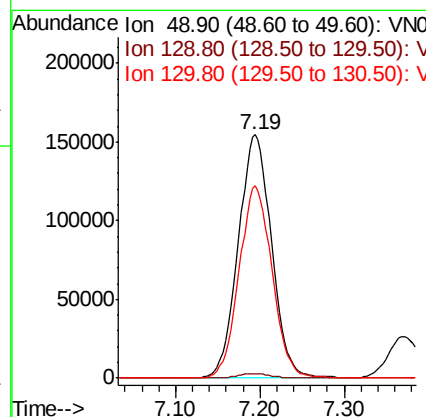
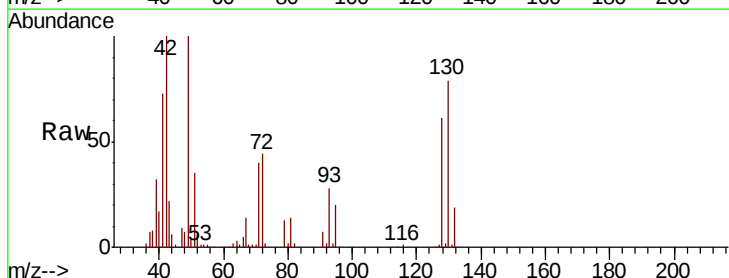
RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	49	Resp:	425221
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	78.2	60.2	90.2





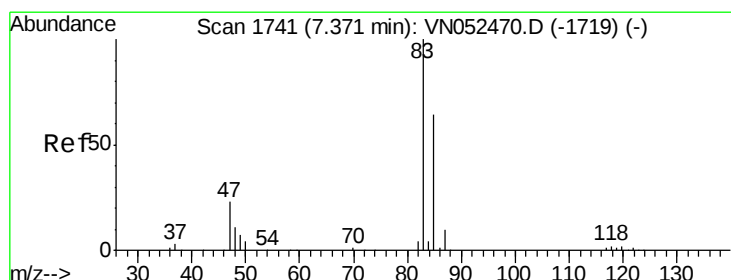
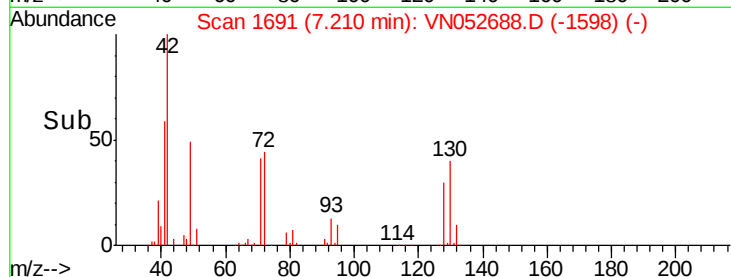
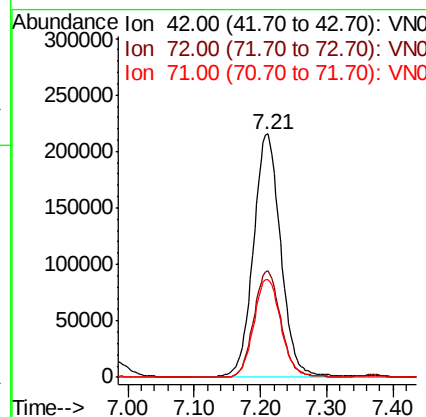
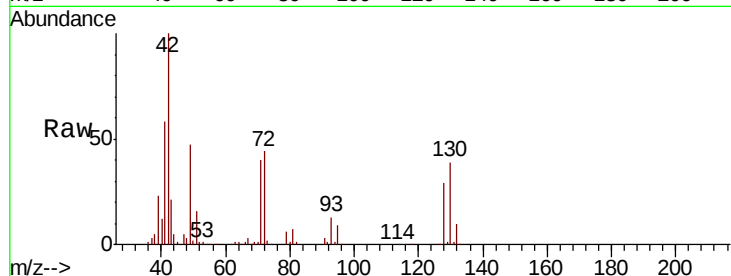
#29
Tetrahydrofuran
Concen: 242.413 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.3	49.9
71	40.4	32.0	48.0

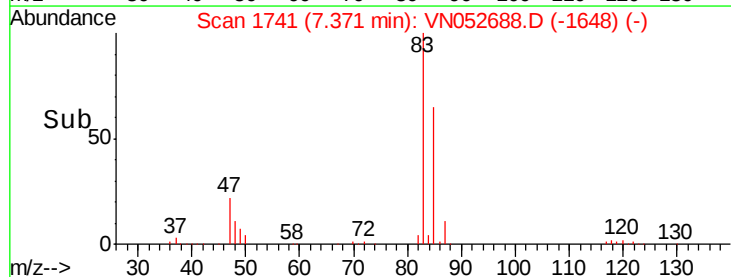
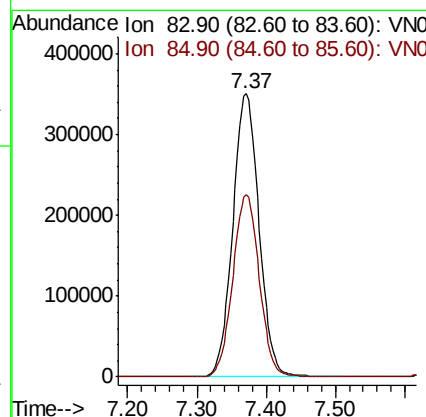
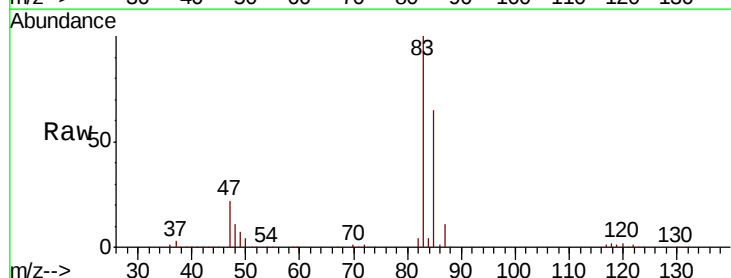
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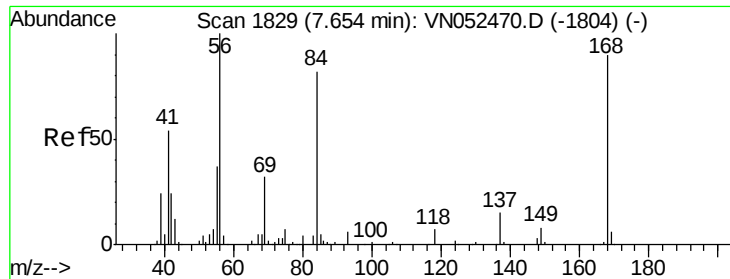
MMDadoda
12/7/2018 1:12:39 PM



#30
Chloroform
Concen: 49.680 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.4





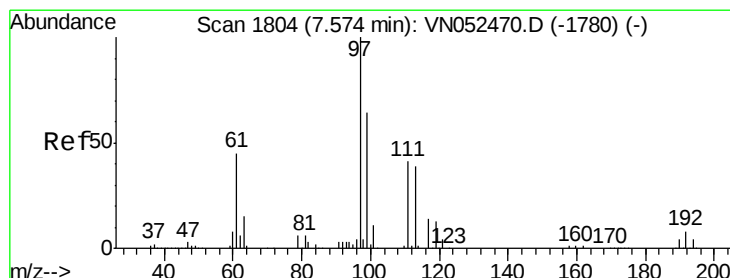
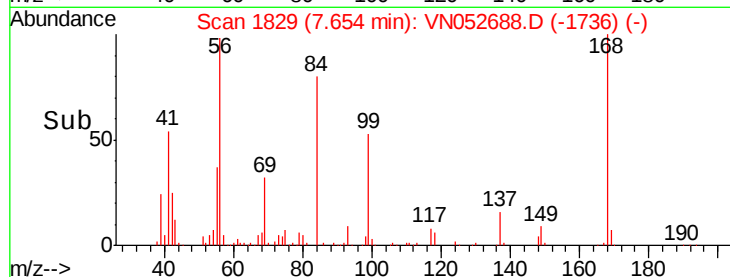
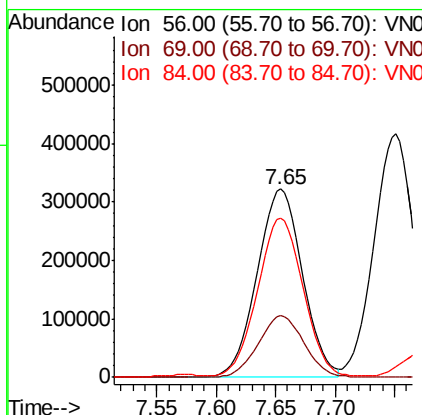
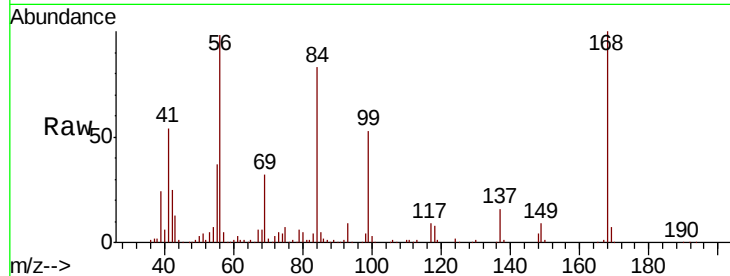
#31
Cyclohexane
Concen: 46.955 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.8	38.6
84	83.2	65.3	97.9

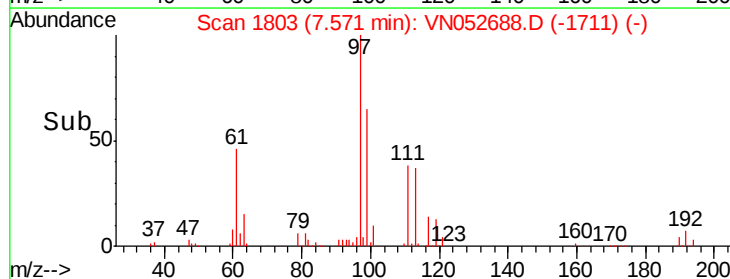
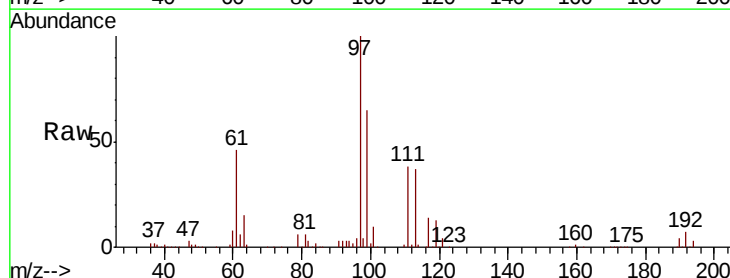
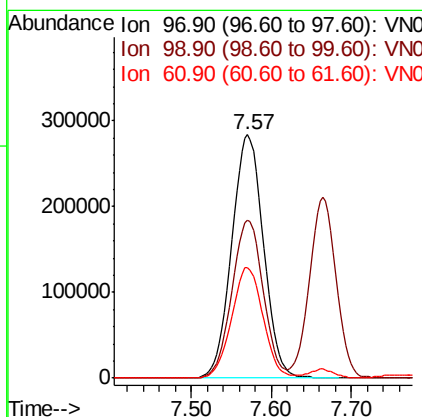
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#32
1,1,1-Trichloroethane
Concen: 51.469 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	44.9	36.8	55.2





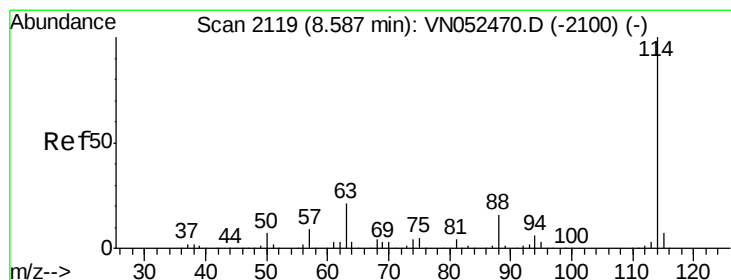
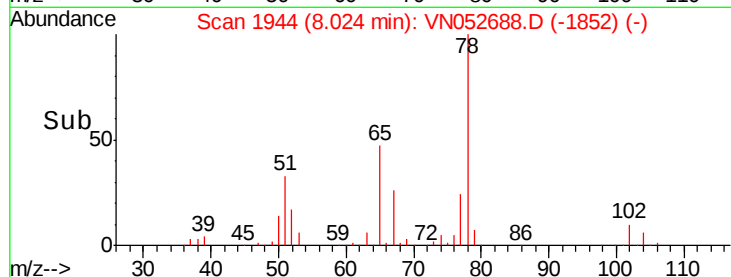
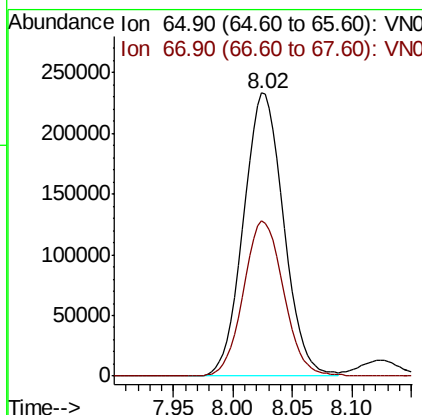
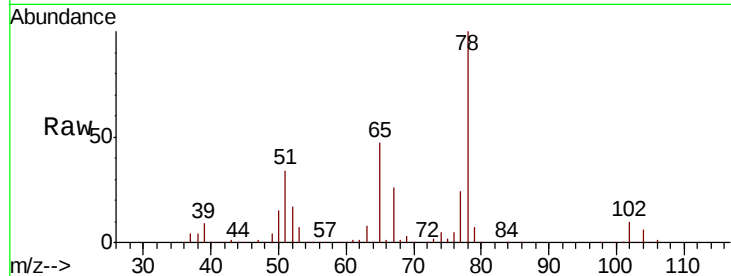
#33
 1,2-Dichloroethane-d4
 Concen: 51.469 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050

Tot Ion: 65 Resp: 545842
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8

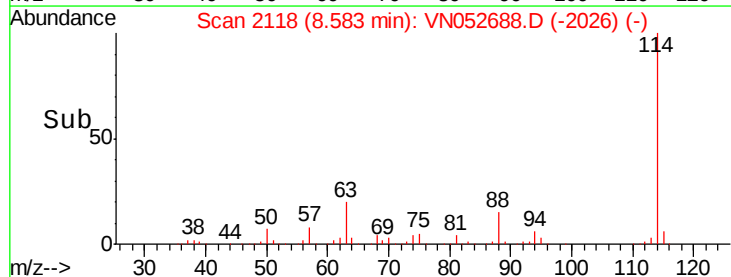
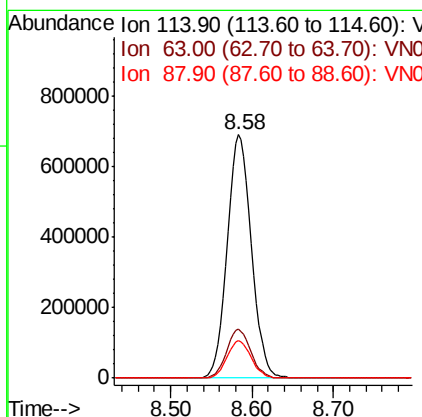
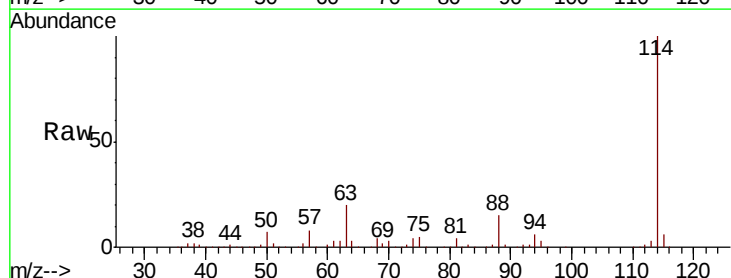
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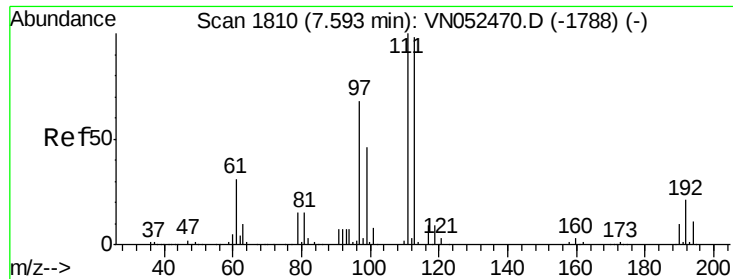
MMDadoda
 12/7/2018 1:12:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion: 114 Resp: 1443679
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.2 0.0 31.6





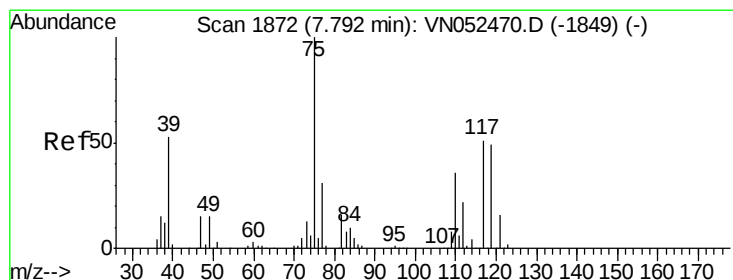
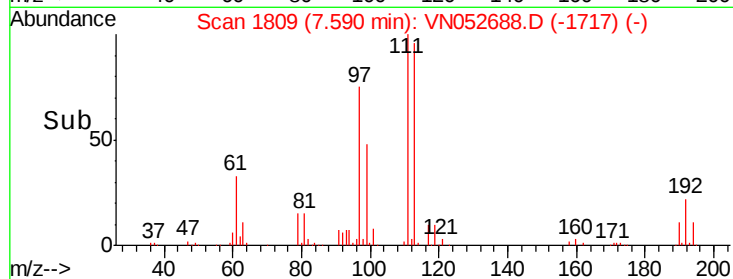
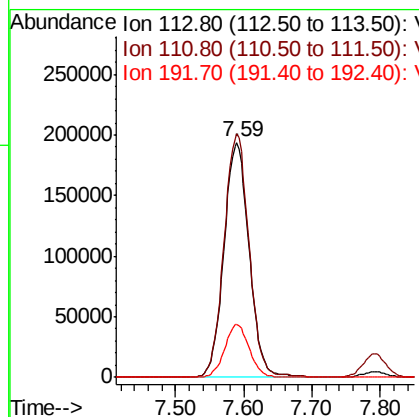
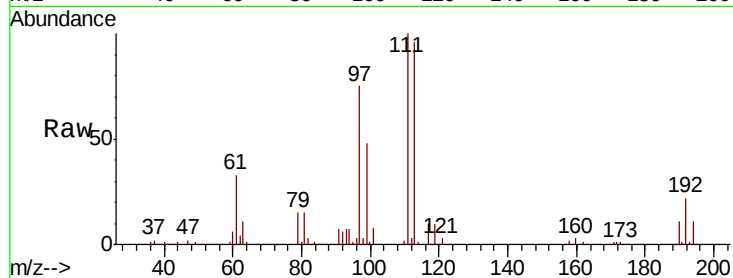
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.1	82.0	123.0	
192	21.9	17.0	25.6	

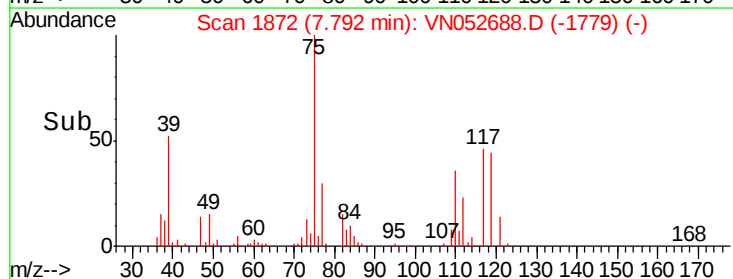
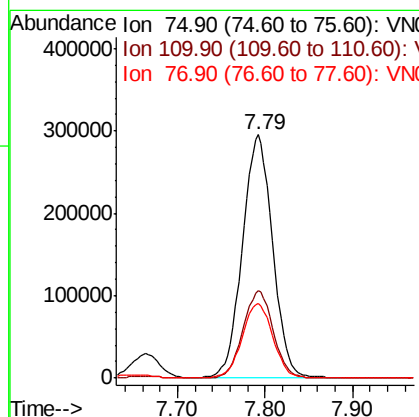
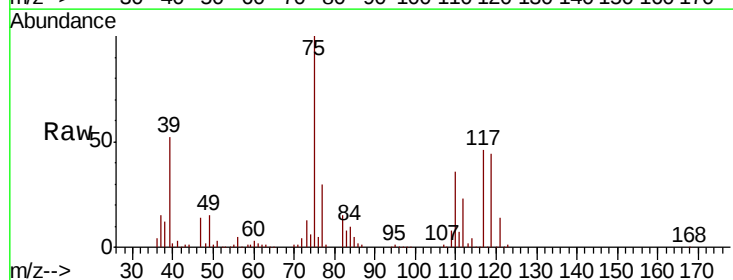
Manual Integrations
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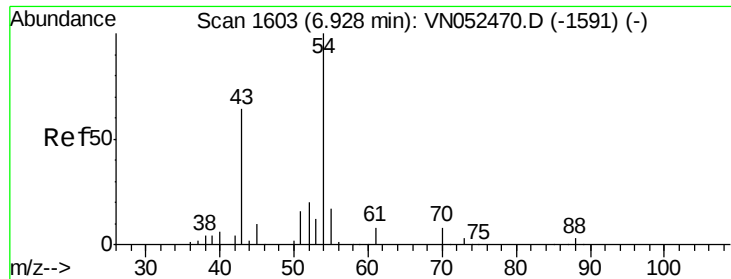
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#36
 1,1-Dichloropropene
 Concen: 51.819 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.0	17.5	52.6	
77	31.2	24.5	36.7	





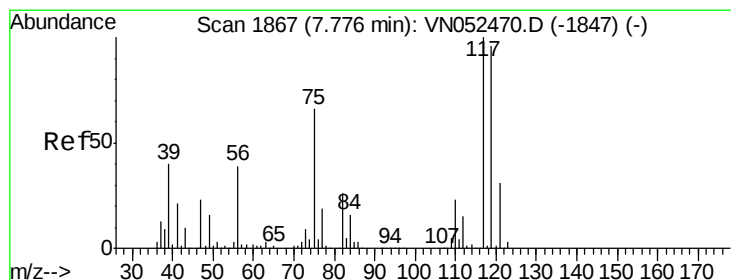
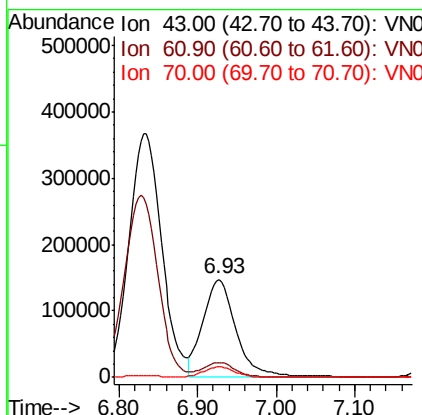
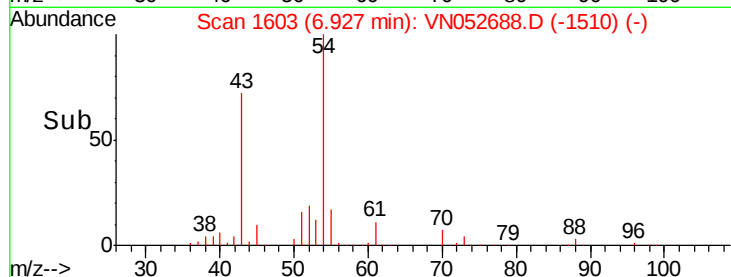
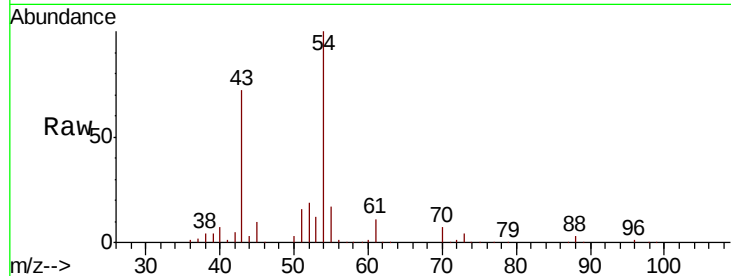
#37
Ethyl Acetate
Concen: 50.733 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.8	17.8
70	10.0	7.8	11.8

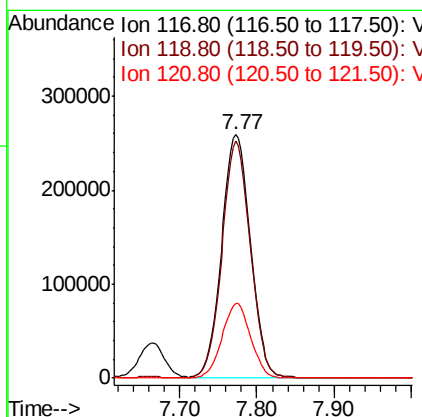
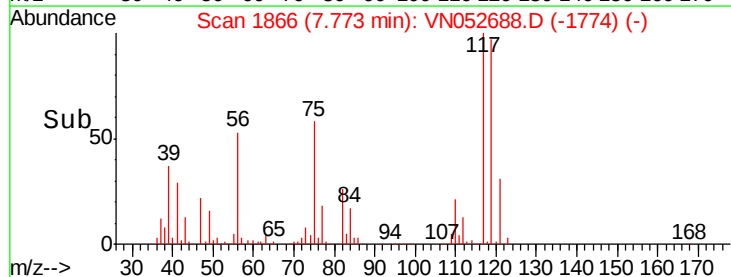
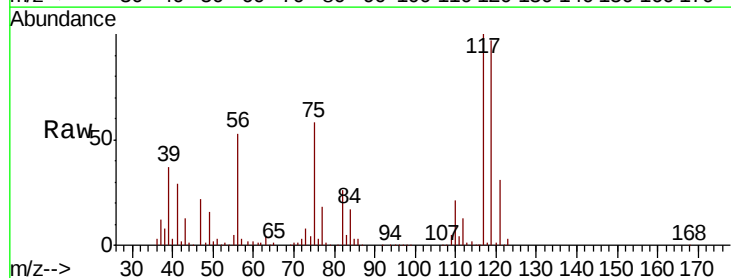
Manual Integrations
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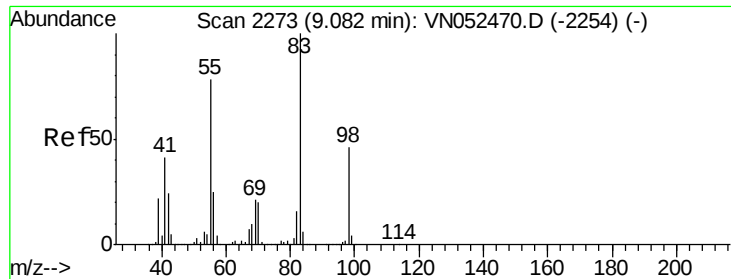
MMDadoda
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#38
Carbon Tetrachloride
Concen: 54.434 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.8	115.2
121	30.9	24.9	37.3





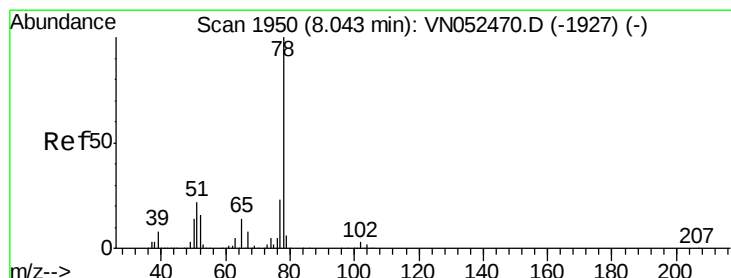
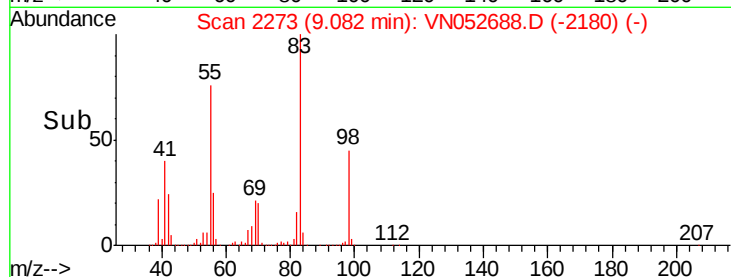
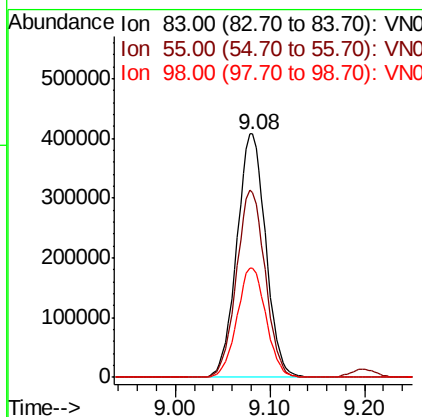
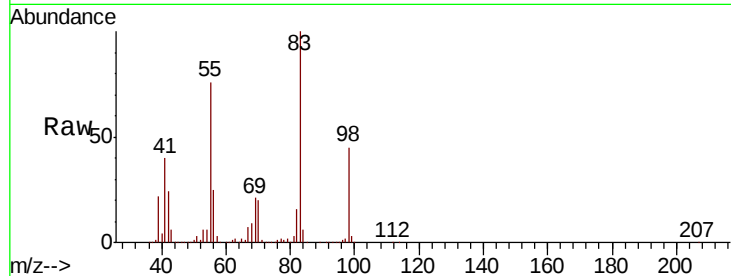
#39
Methvlcvclohexane
Concen: 52.026 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.0	62.2	93.2
98	45.1	36.4	54.6

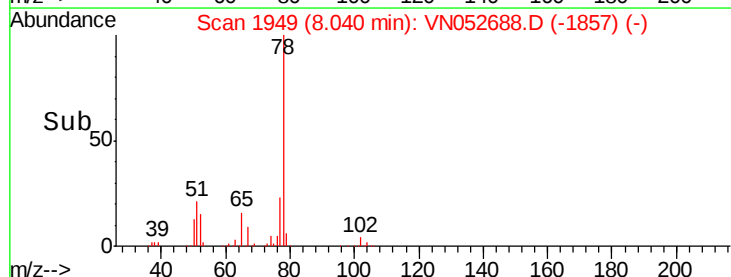
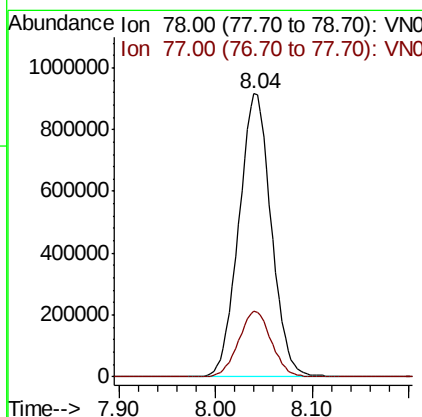
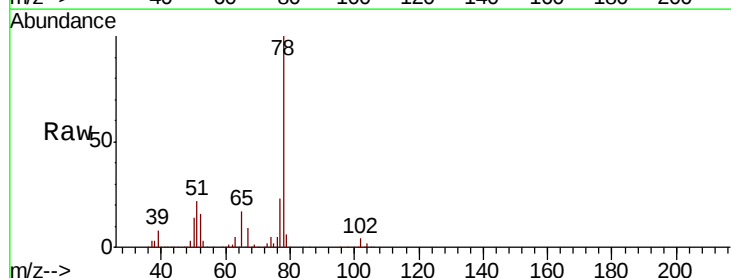
Manual Integrations
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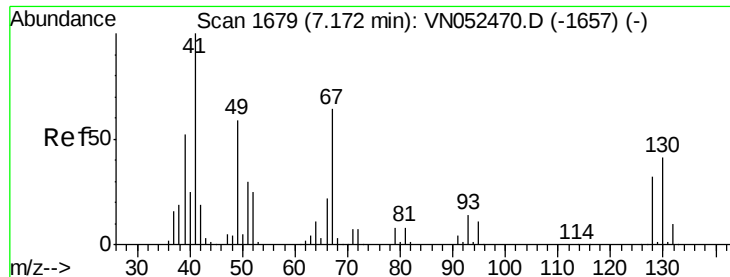
MMDadoda
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#40
Benzene
Concen: 52.407 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





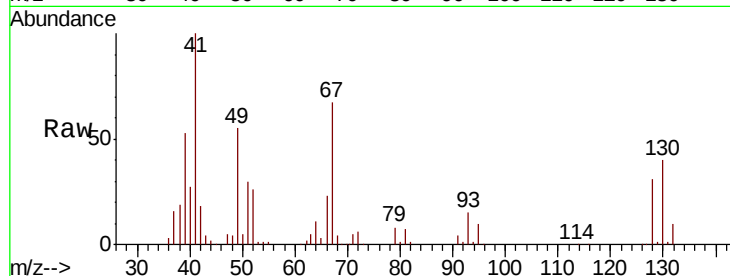
#41
Methacrylonitrile
Concen: 52.731 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.1	50.9	76.3
67	81.9	63.6	95.4
52	31.7	24.4	36.6

Manual Integrations
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MMDadoda
12/7/2018 1:12:39 PM



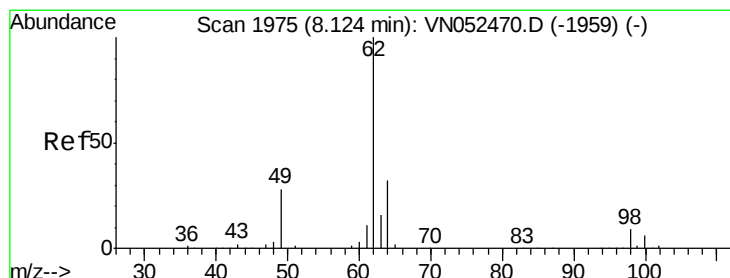
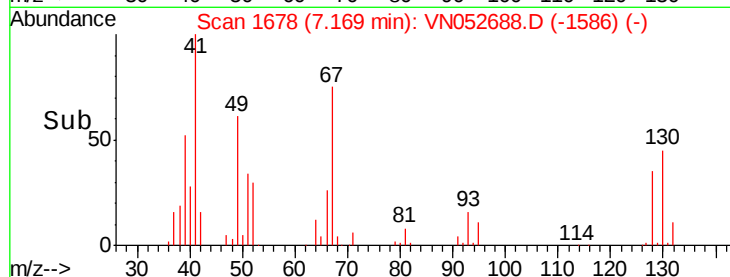
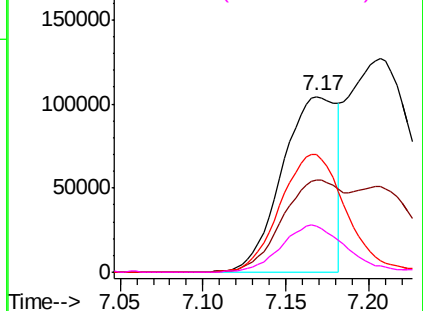
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

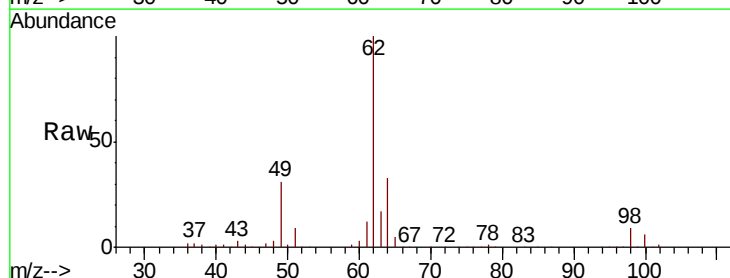
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 52.941 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

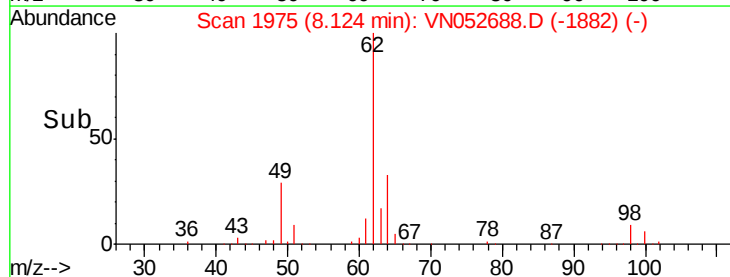
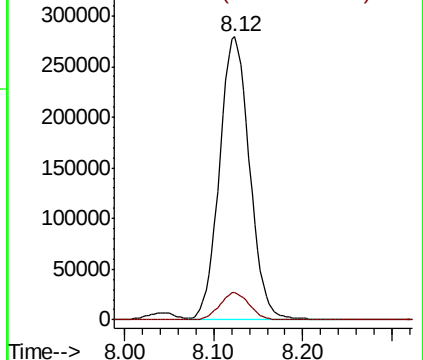
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6

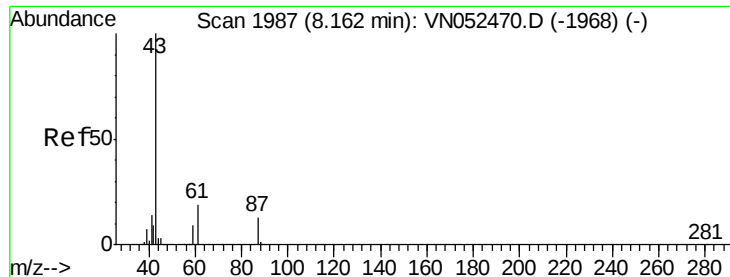


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





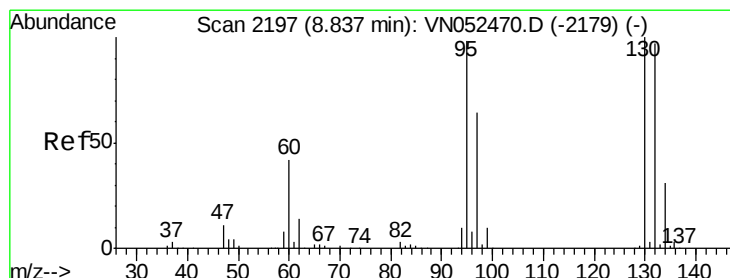
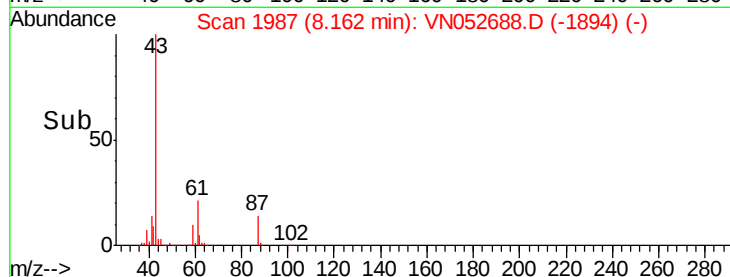
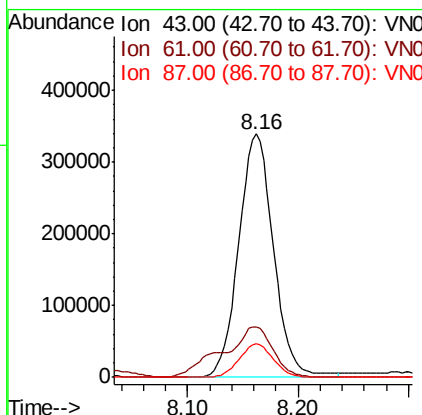
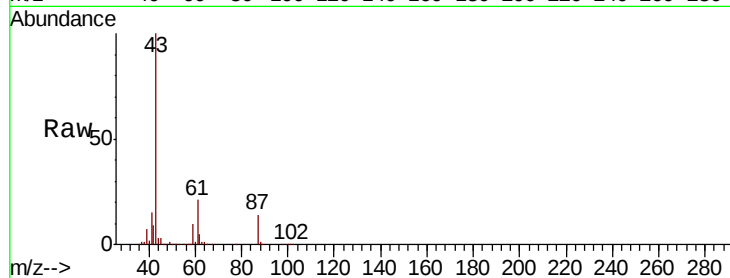
#43
Isopropyl Acetate
Concen: 52.479 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	24.1	36.1
87	13.5	10.6	15.8

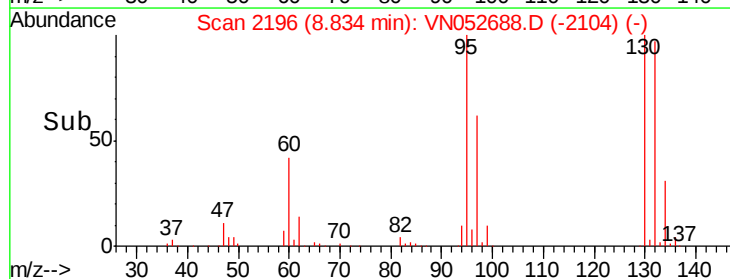
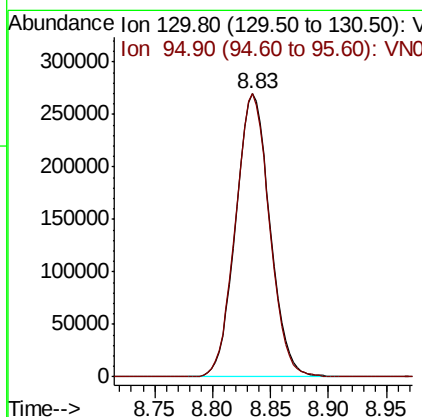
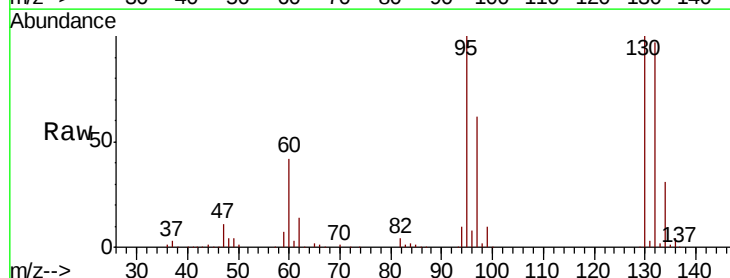
Manual Integrations
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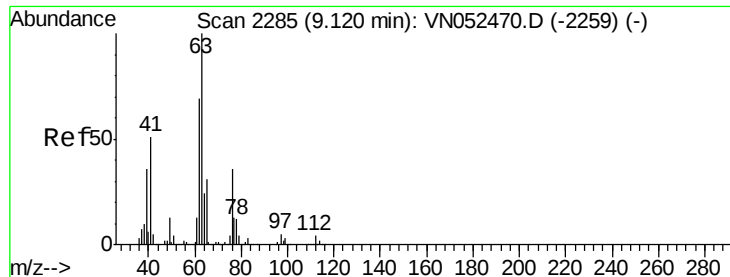
MMDadoda
12/7/2018 1:12:39 PM



#44
Trichloroethene
Concen: 53.151 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.0	0.0	195.6





#45

1,2-Dichloropropane

Concen: 52.666 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 568884

Ion Ratio Lower Upper

63 100

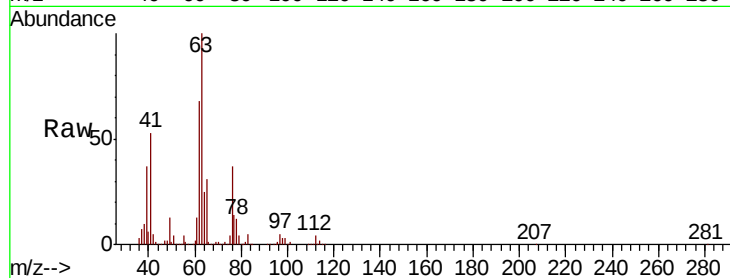
65 30.7 25.0 37.6

Manual Integrations

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MMDadoda

12/7/2018 1:12:39 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

300000

250000

200000

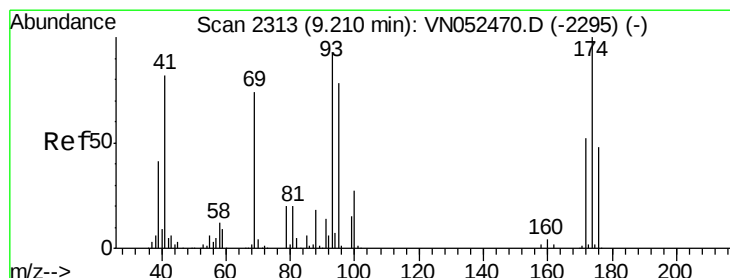
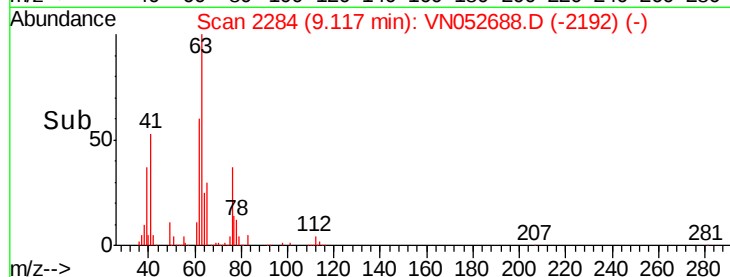
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.367 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

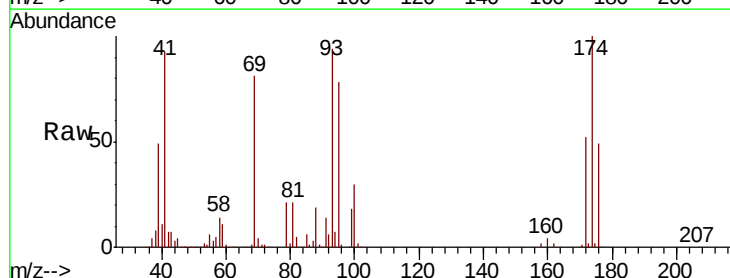
Tgt Ion: 93 Resp: 325099

Ion Ratio Lower Upper

93 100

95 83.4 67.1 100.7

174 108.0 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

200000

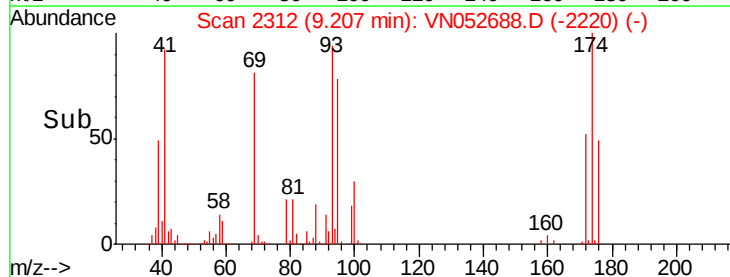
150000

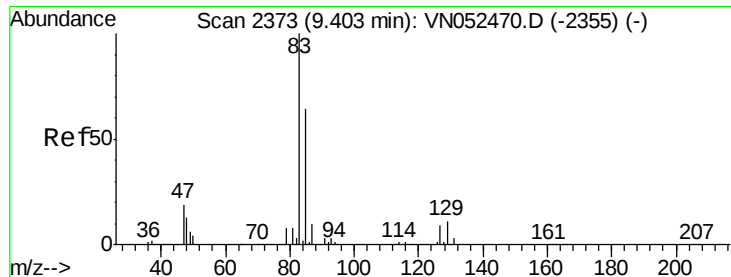
100000

50000

0

Time-->





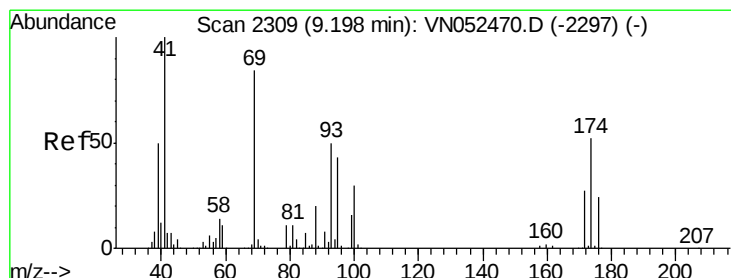
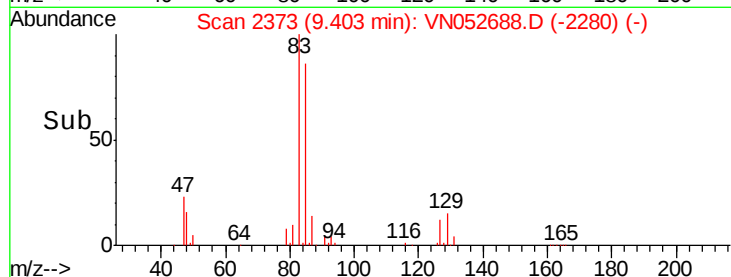
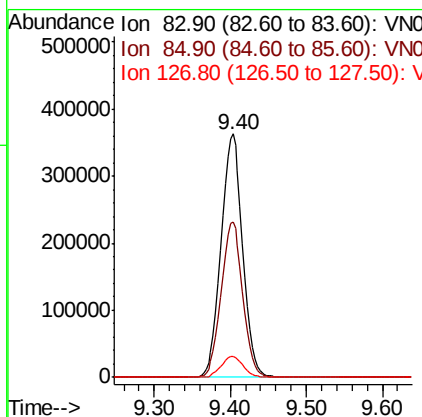
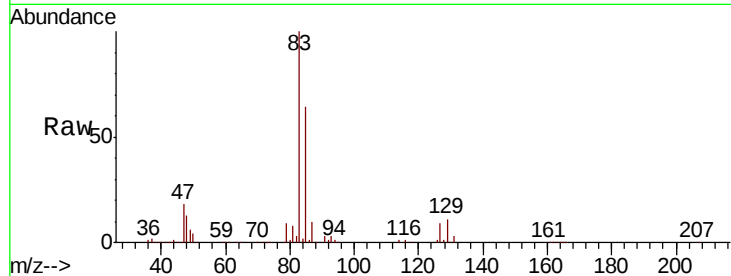
#47
Bromodichloromethane
Concen: 55.058 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.0	51.3	76.9	
127	8.6	6.9	10.3	

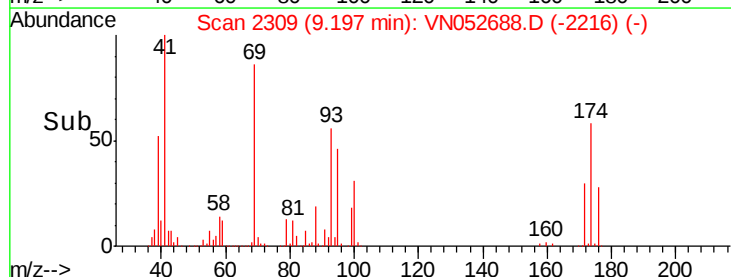
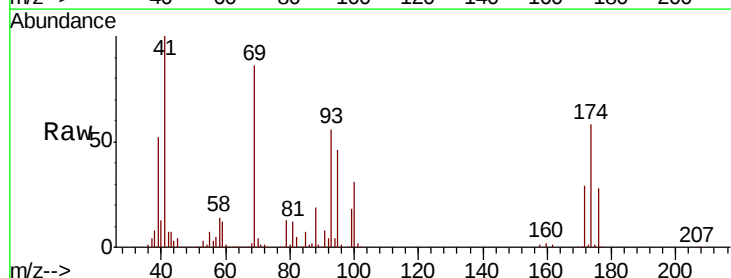
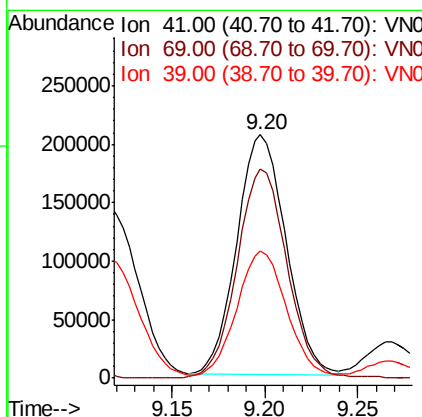
Manual Integrations
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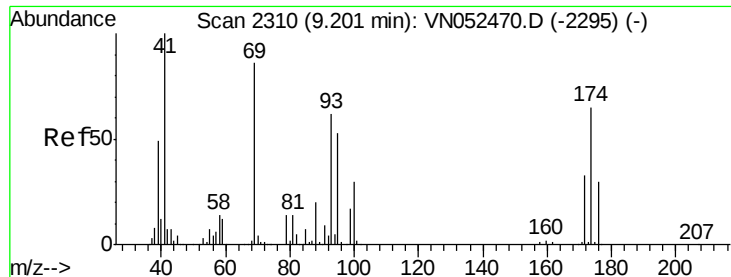
MMDadoda
12/7/2018 1:12:39 PM



#48
Methyl methacrylate
Concen: 51.721 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.1	70.0	105.0	
39	51.4	42.6	64.0	





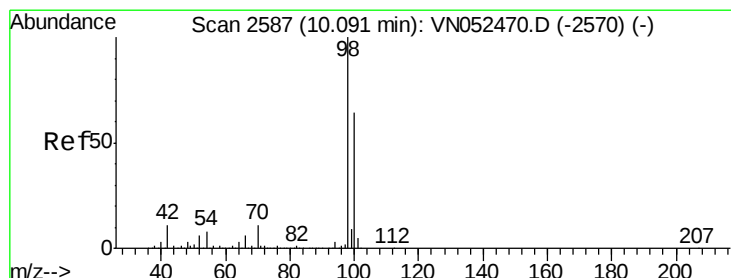
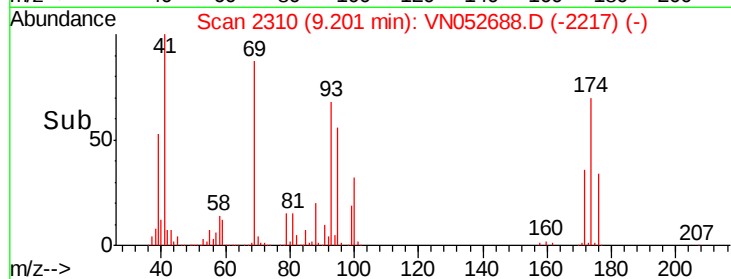
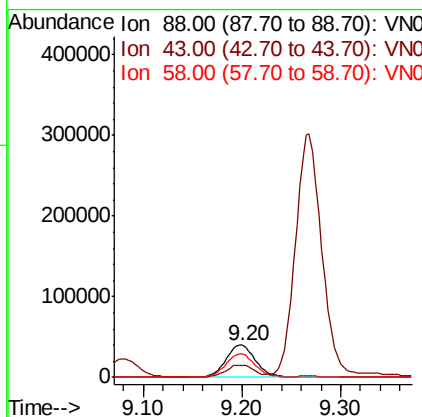
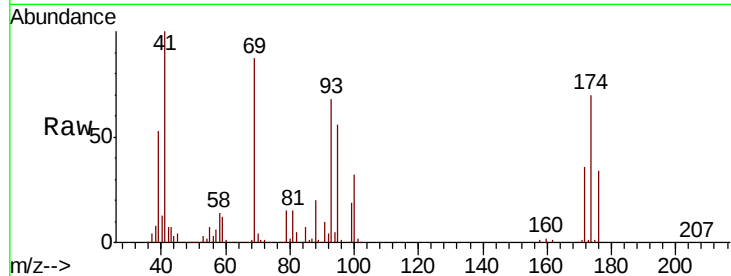
#49
1,4-Dioxane
Concen: 1106.691 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.4	39.6
58	71.2	55.4	83.0

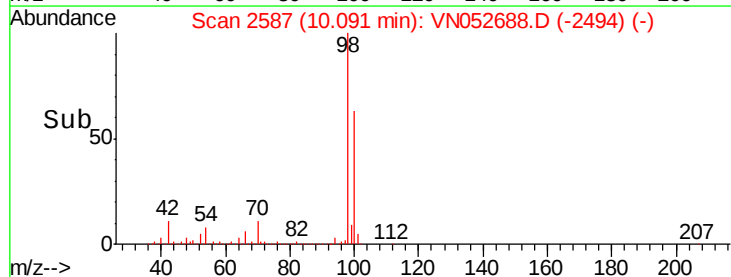
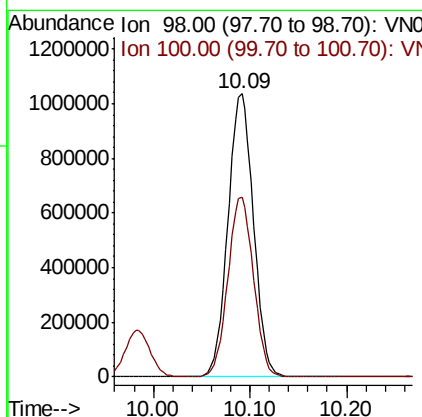
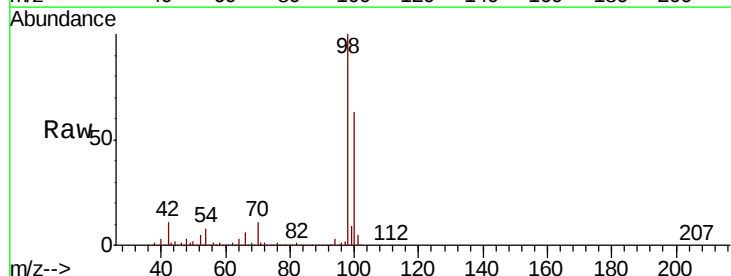
Manual Integrations
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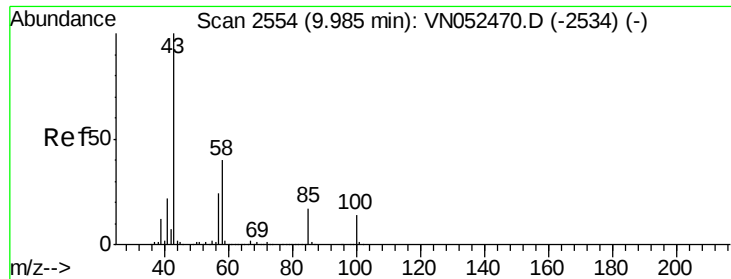
MMDadoda
12/7/2018 1:12:39 PM



#50
Toluene-d8
Concen: 1106.691 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 267.483 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2113113

Ion Ratio Lower Upper

43 100

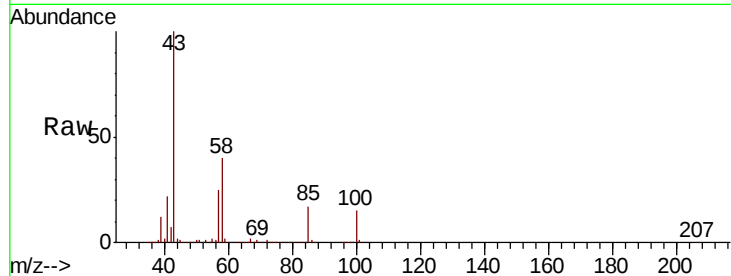
58 39.8 31.5 47.3

Manual Integrations

APPROVED

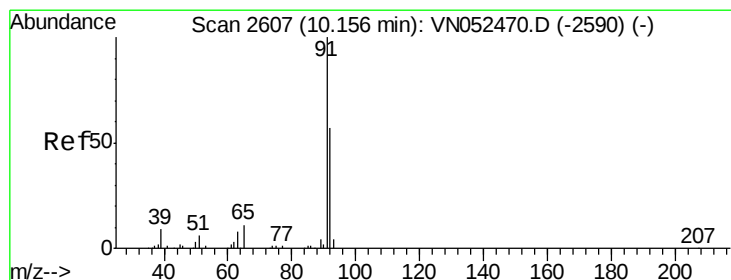
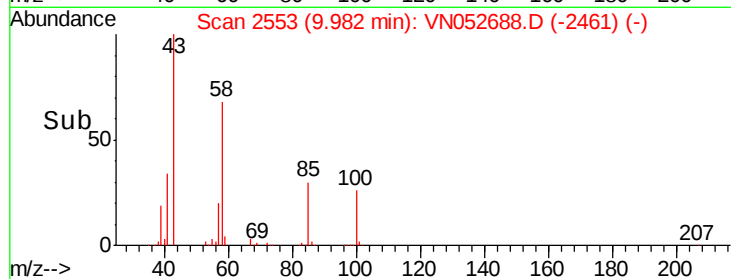
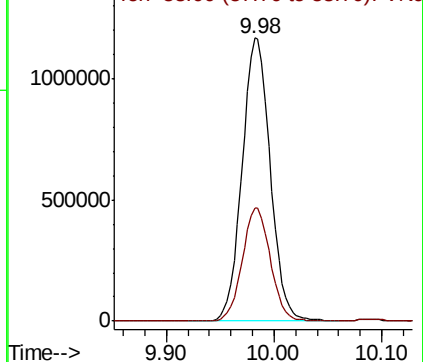
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#52

Toluene

Concen: 54.214 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052688.D

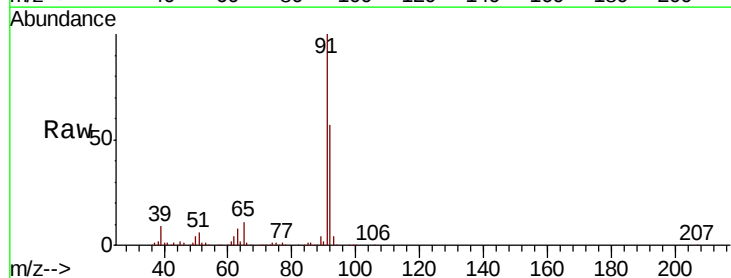
Acq: 6 Dec 2018 9:25

Tgt Ion: 92 Resp: 1308694

Ion Ratio Lower Upper

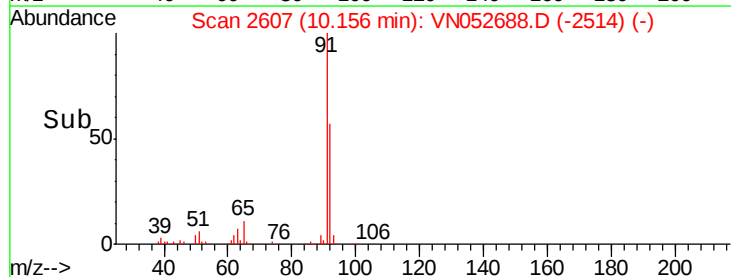
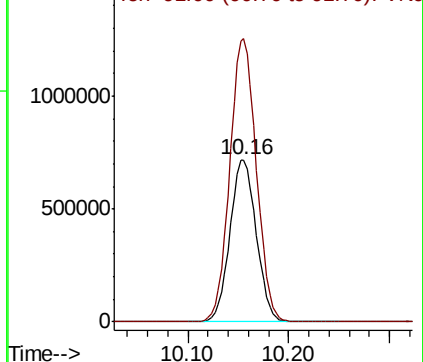
92 100

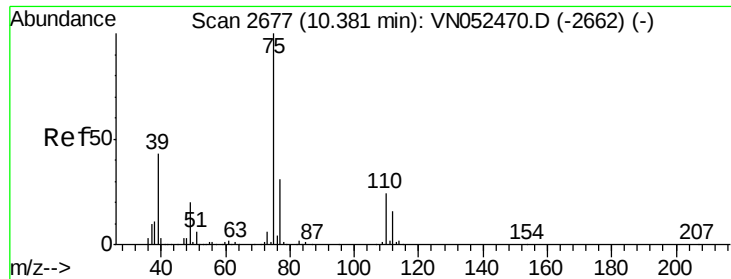
91 175.4 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VNC

Ion 91.00 (90.70 to 91.70): VNC





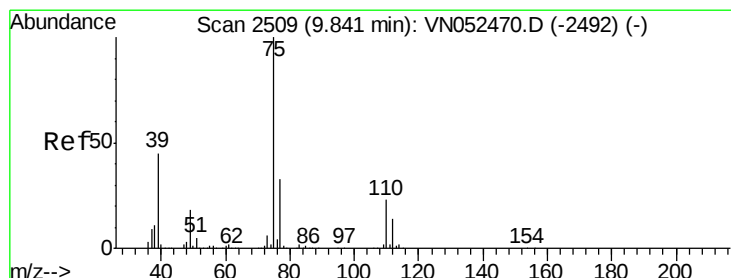
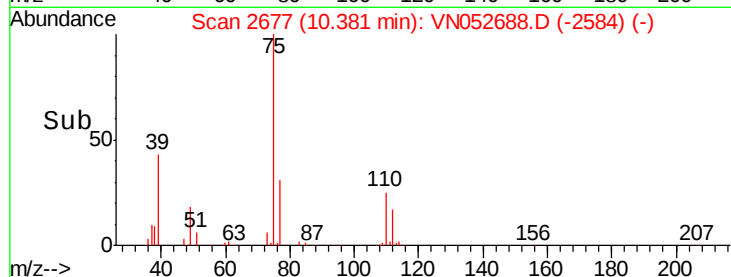
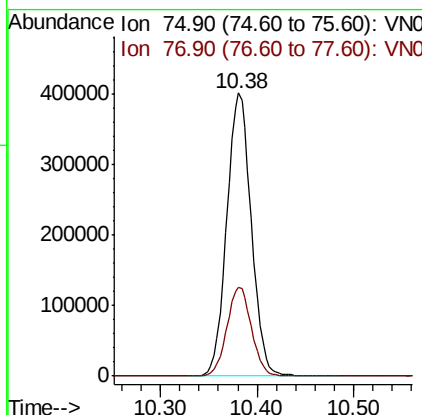
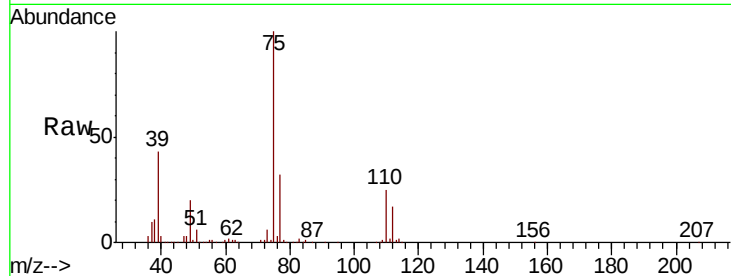
#53
t-1,3-Dichloropropene
Concen: 56.484 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 706451
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

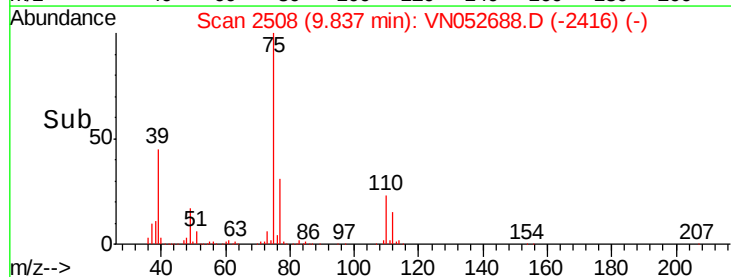
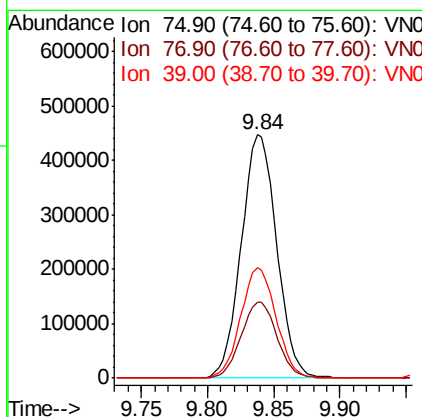
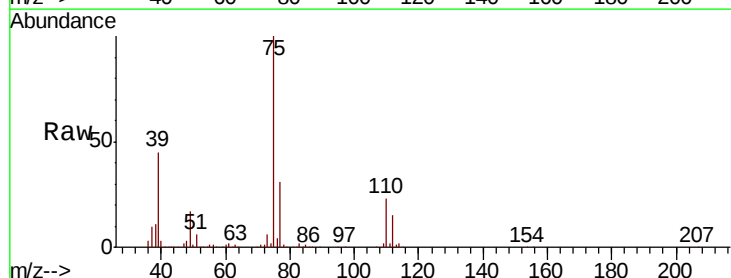
Manual Integrations
APPROVED

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12/7/2018 1:12:39 PM



#54
cis-1,3-Dichloropropene
Concen: 55.421 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 75 Resp: 830655
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
39 45.2 36.0 54.0





#55

1,1,2-Trichloroethane

Concen: 55.172 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

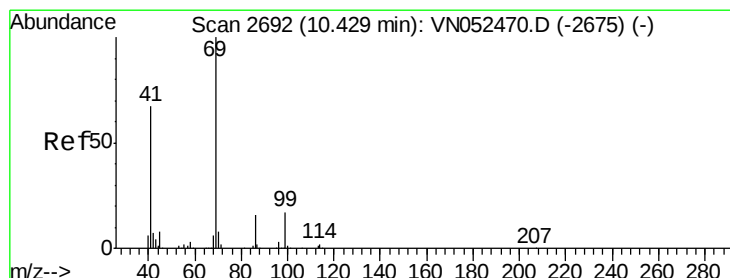
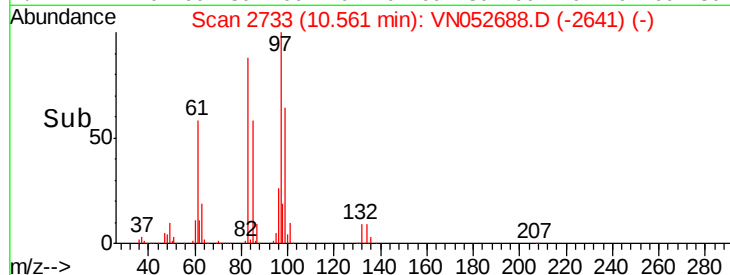
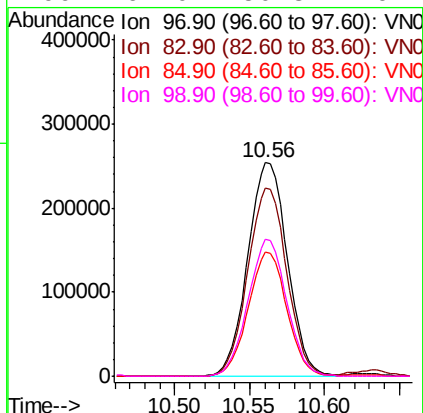
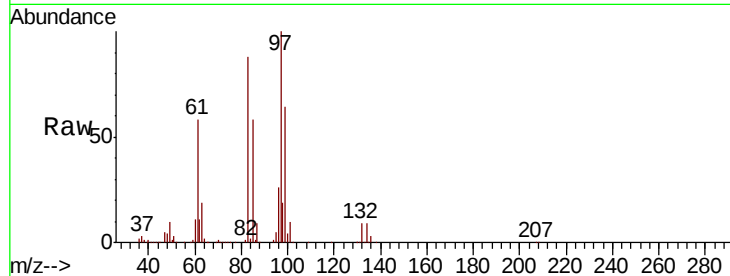
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	468472
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.7	106.1
85	57.9	46.1	69.1
99	64.0	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.019 ug/l

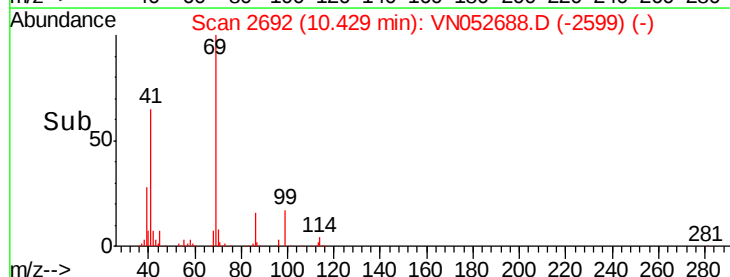
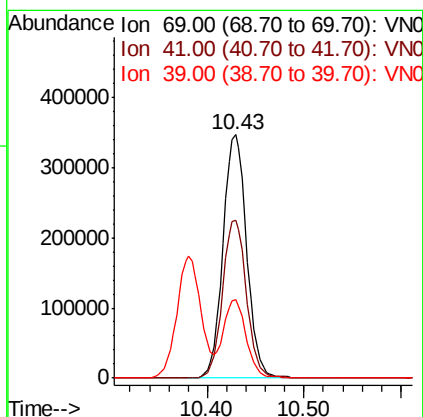
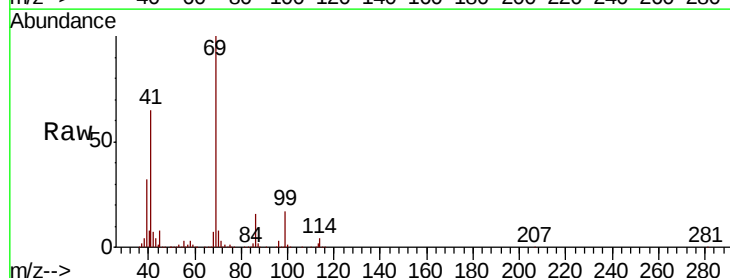
RT: 10.43 min Scan# 2692

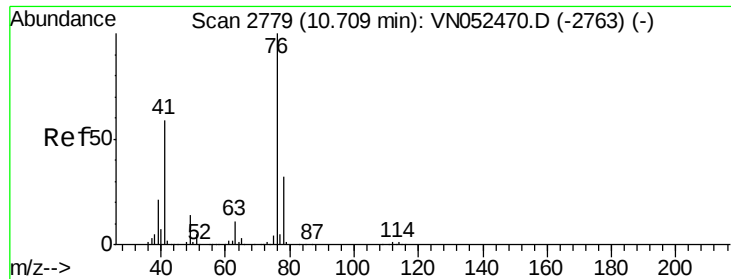
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	69	Resp:	589780
Ion	Ratio	Lower	Upper
69	100		
41	64.7	52.6	79.0
39	31.3	25.9	38.9





#57

1,3-Dichloropropane

Concen: 53.253 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 798416

Ion Ratio Lower Upper

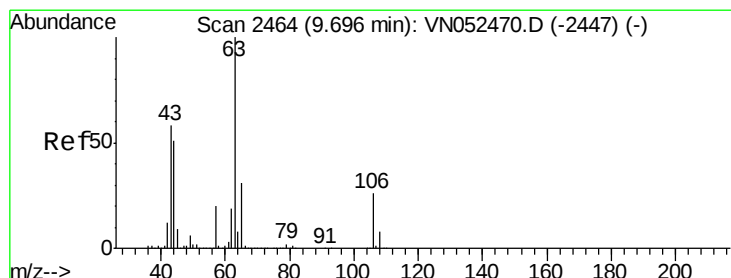
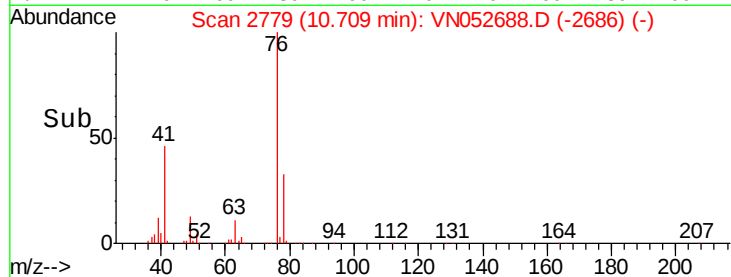
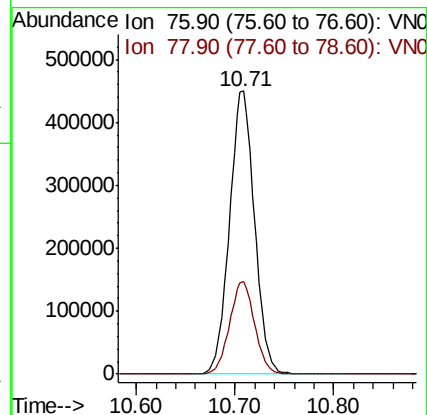
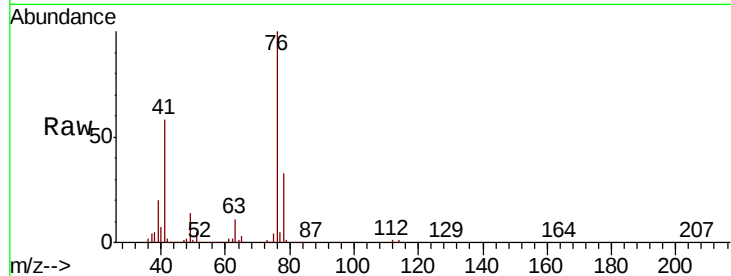
76 100

78 32.8 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 281.820 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052688.D

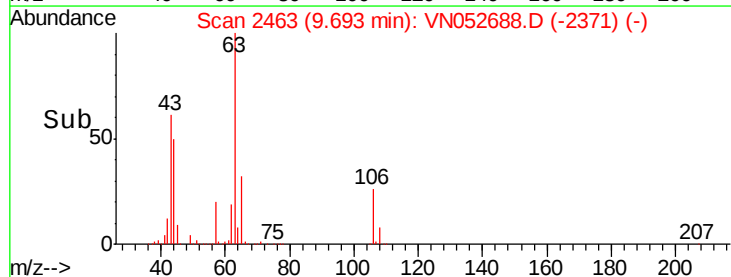
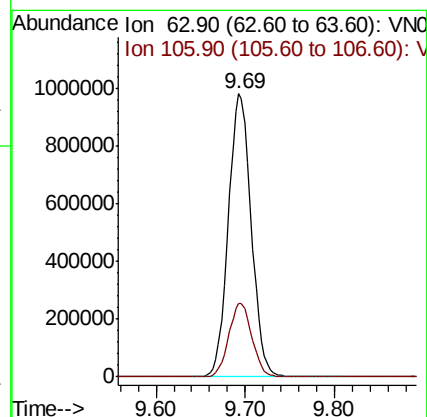
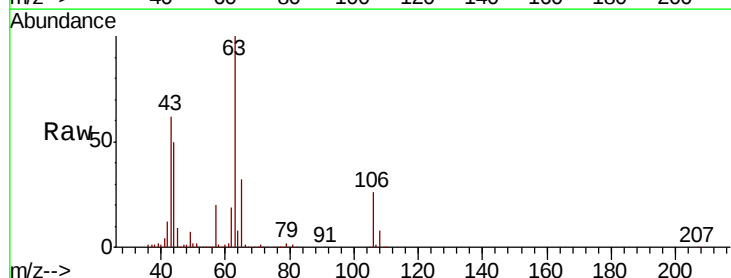
Acq: 6 Dec 2018 9:25

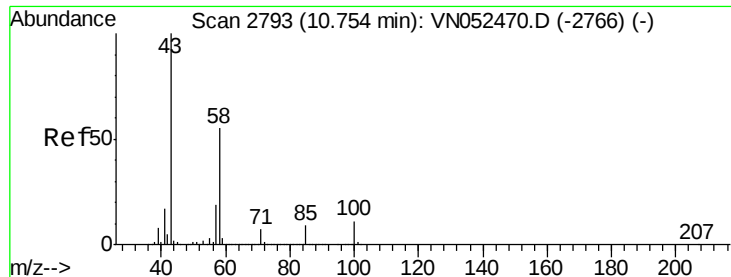
Tgt Ion: 63 Resp: 1736410

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8





#59

2-Hexanone

Concen: 291.276 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1544375

Ion Ratio Lower Upper

43 100

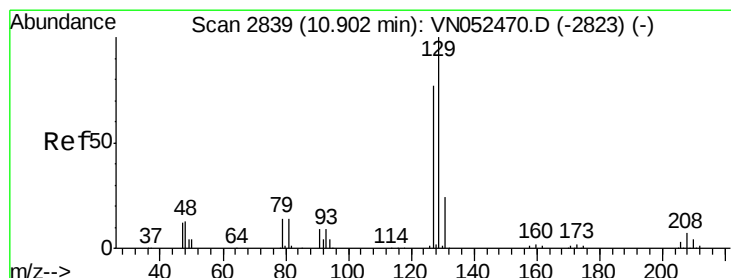
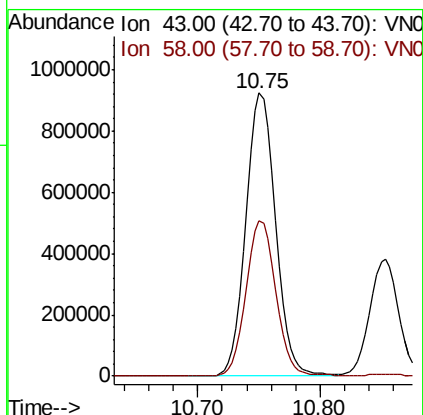
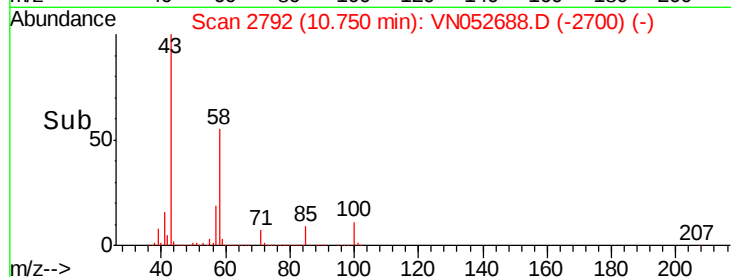
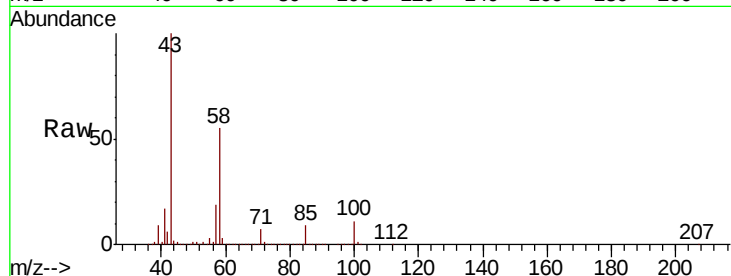
58 55.2 27.4 82.0

Manual Integrations

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#60

Dibromochloromethane

Concen: 57.069 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052688.D

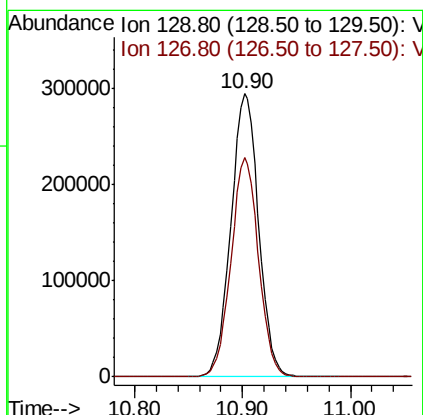
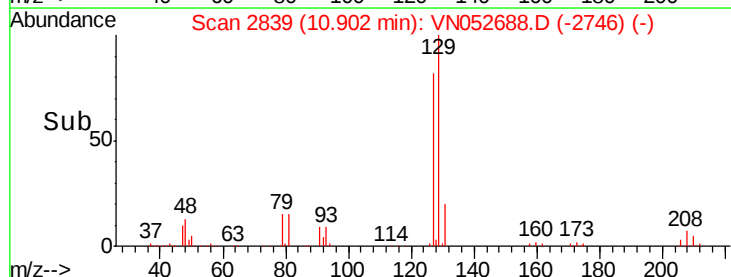
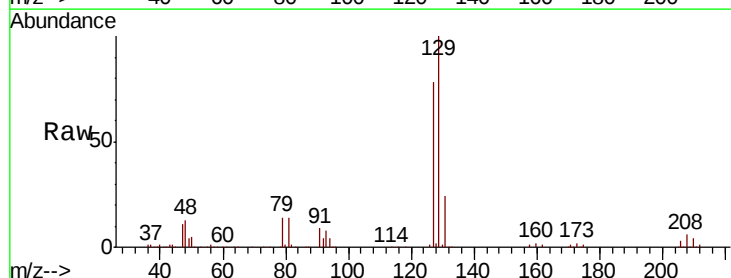
Acq: 6 Dec 2018 9:25

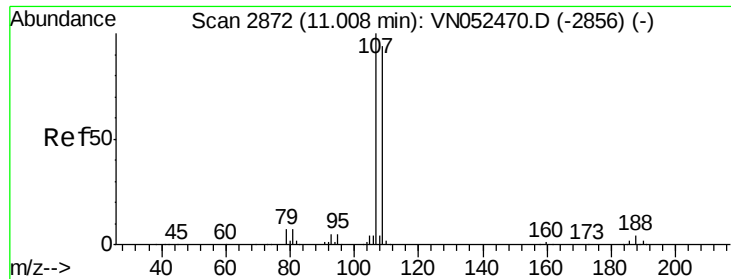
Tgt Ion: 129 Resp: 526310

Ion Ratio Lower Upper

129 100

127 77.0 38.9 116.6





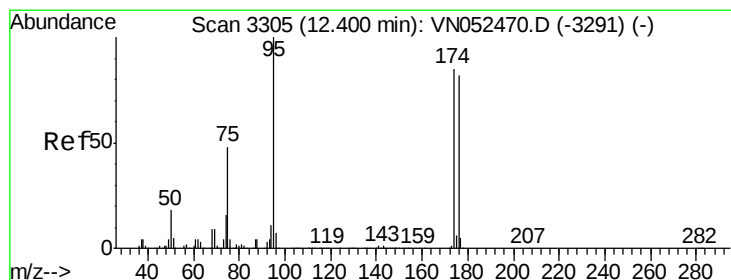
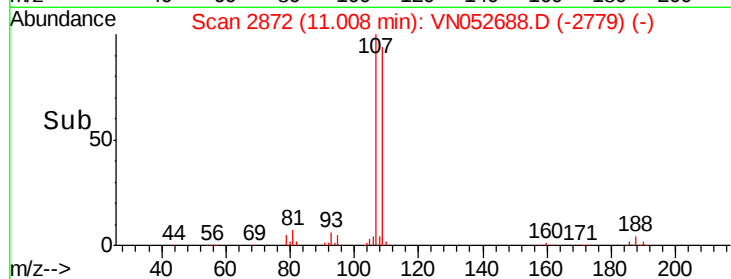
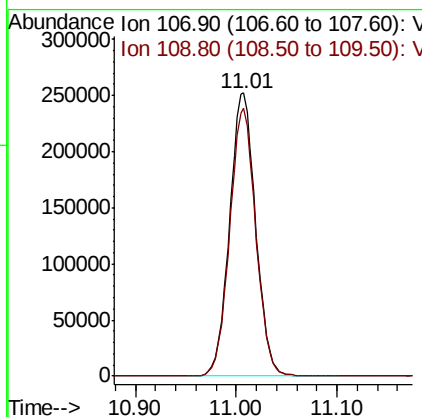
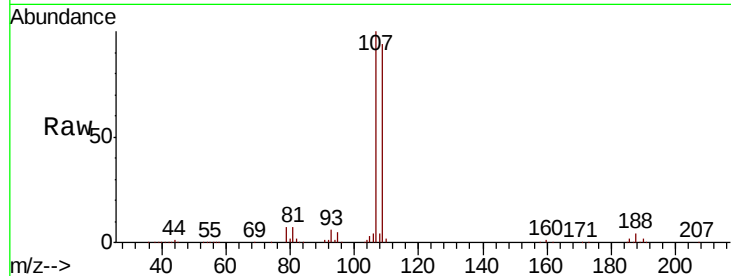
#61
 1,2-Dibromoethane
 Concen: 53.809 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4

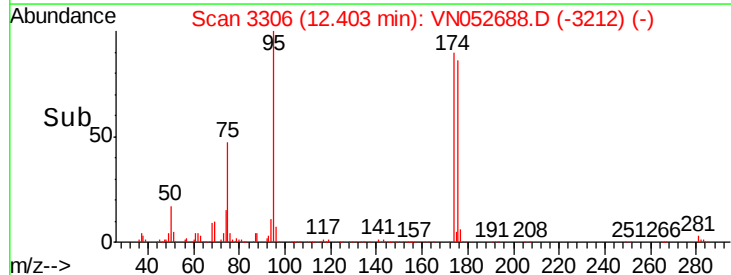
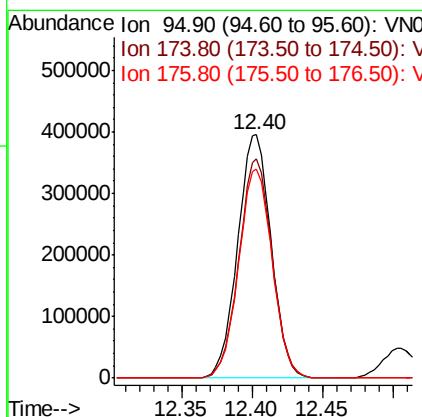
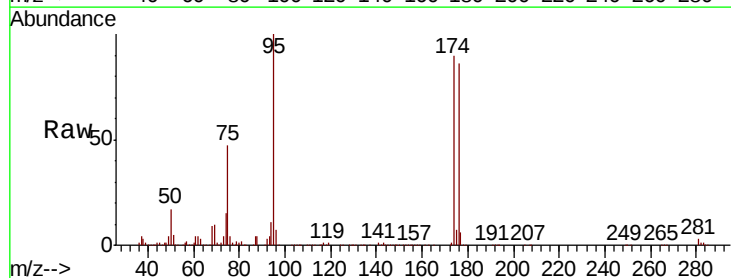
Manual Integrations
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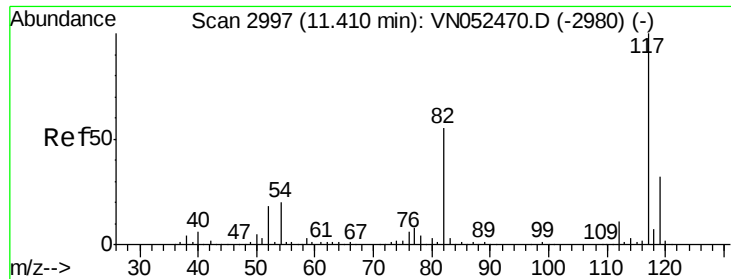
MMDadoda
 12/7/2018 1:12:39 PM



#62
 4-Bromofluorobenzene
 Concen: 53.809 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	173.0
176	86.0	0.0	166.2





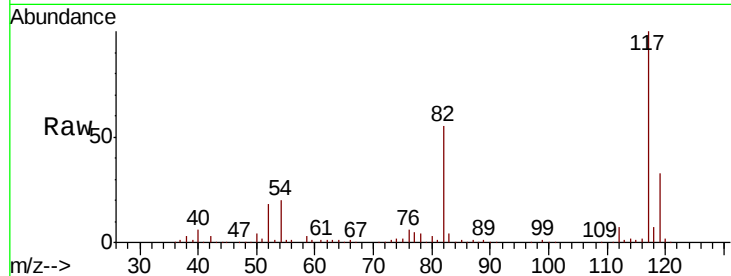
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

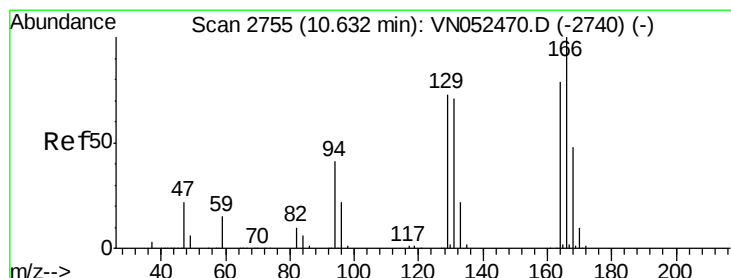
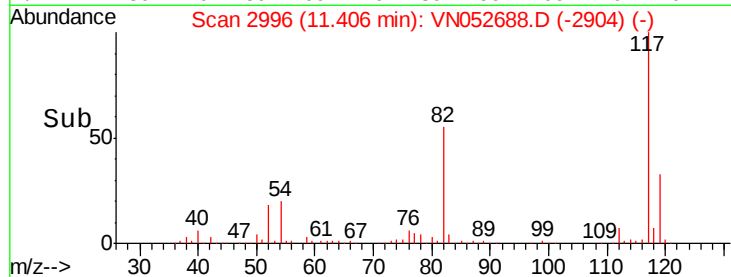
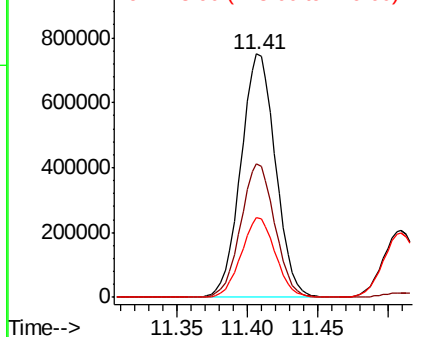
Tot Ion:117 Resp: 1292053
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.6 25.4 38.2

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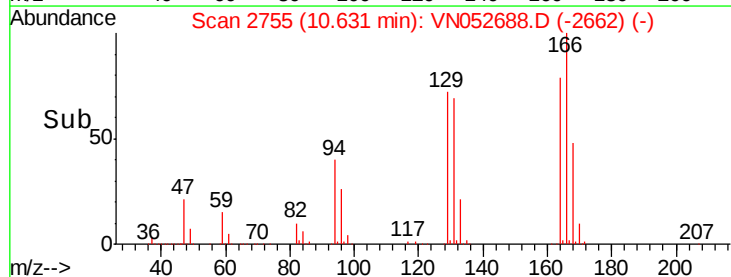
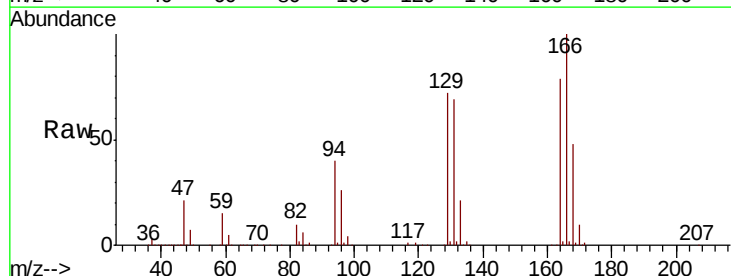
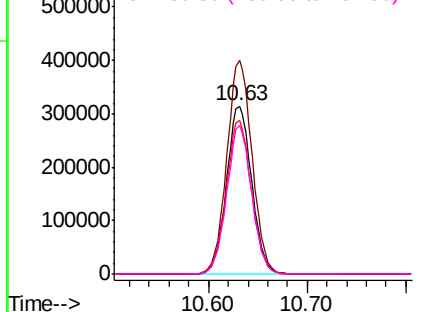
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 56.000 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:164 Resp: 560991
Ion Ratio Lower Upper
164 100
166 127.2 101.0 151.4
129 91.6 73.8 110.6
131 88.1 71.2 106.8

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





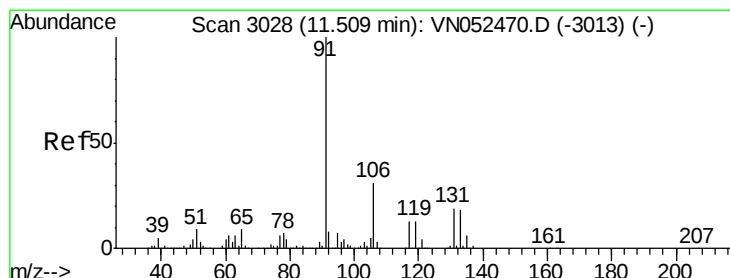
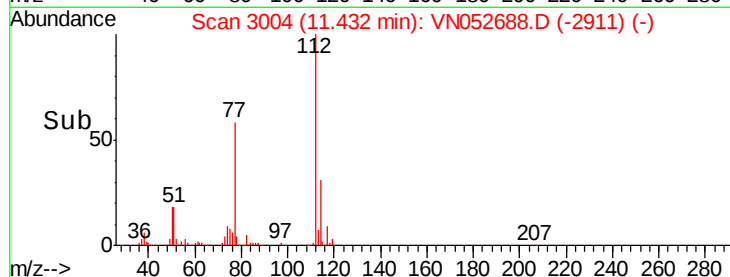
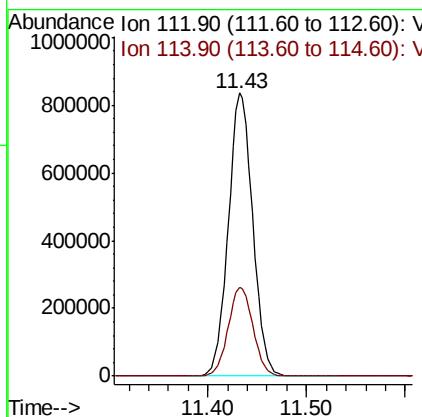
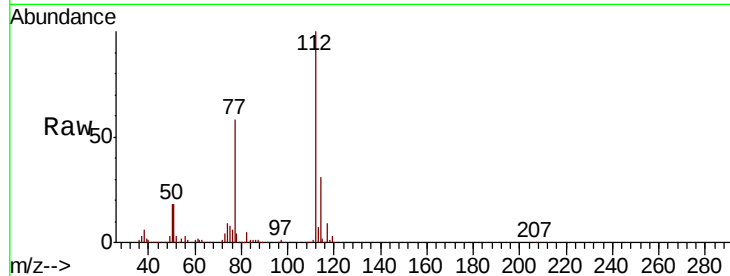
#65
Chlorobenzene
Concen: 54.138 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1442348
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

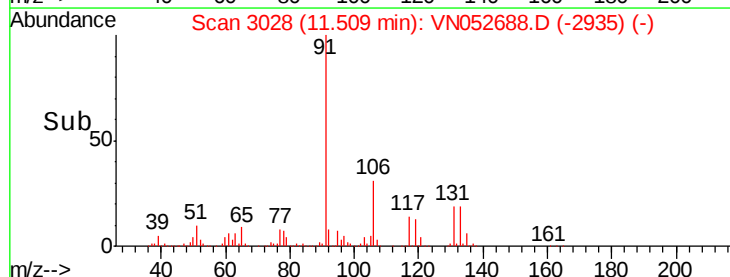
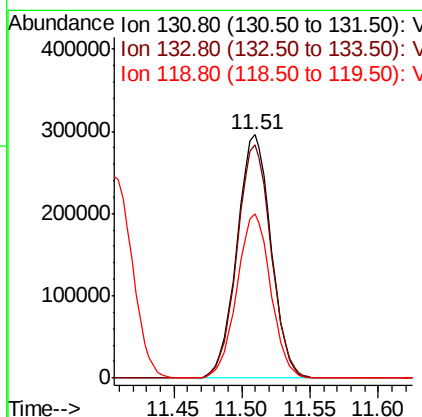
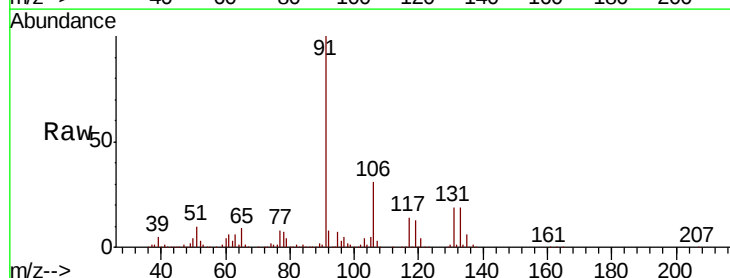
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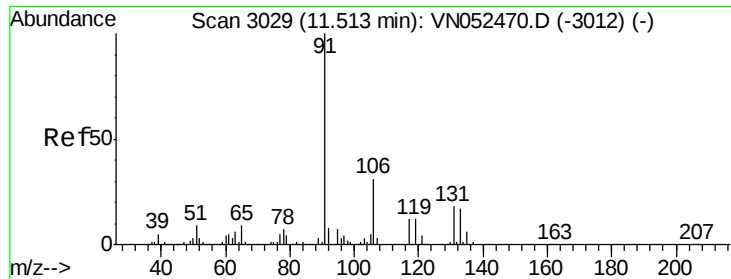
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.325 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:131 Resp: 512502
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.8
119 67.0 33.2 99.6





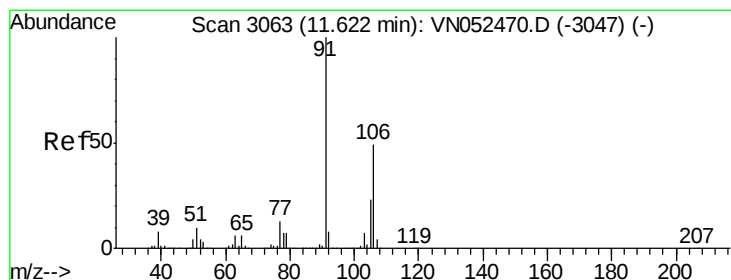
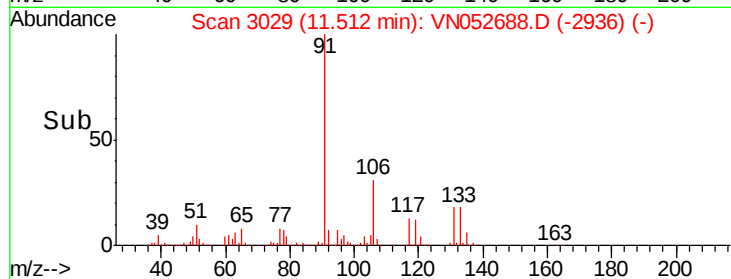
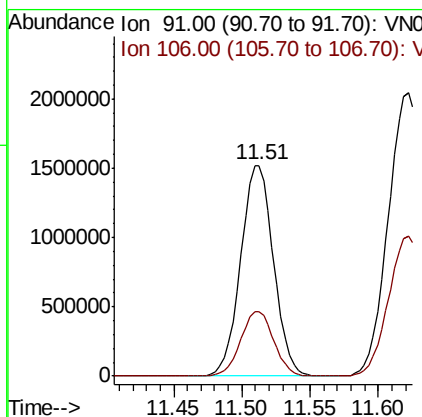
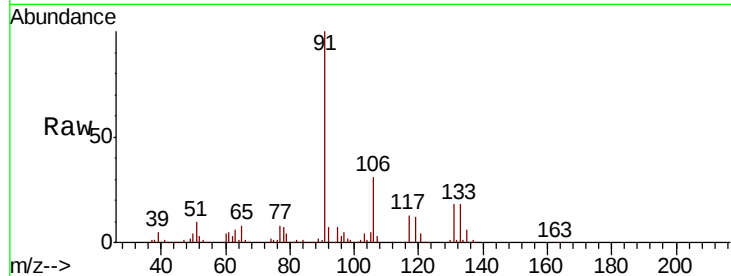
#67
Ethyl Benzene
Concen: 54.393 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 2537689
Ion Ratio Lower Upper
91 100
106 30.7 24.9 37.3

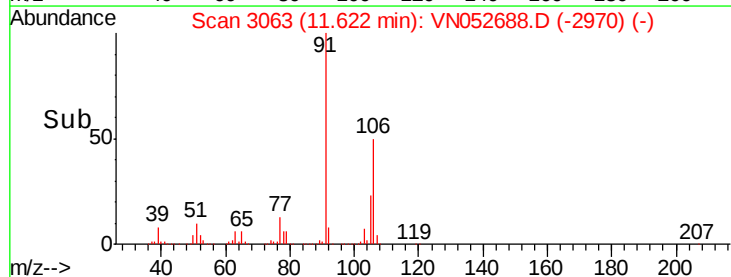
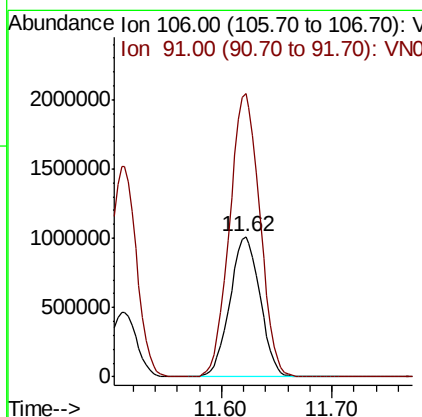
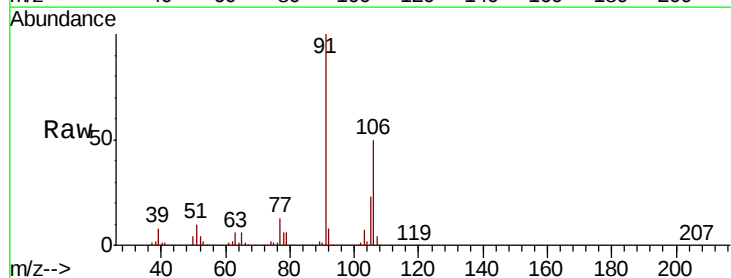
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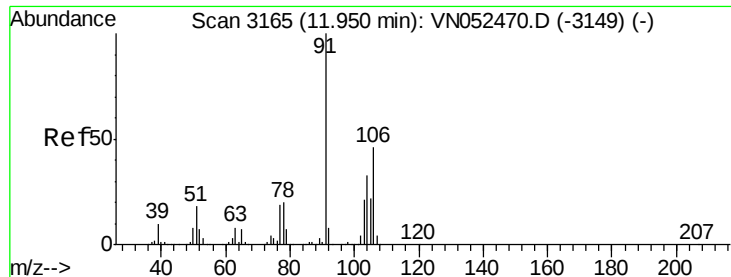
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#68
m/p-Xylenes
Concen: 110.478 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 106 Resp: 1918826
Ion Ratio Lower Upper
106 100
91 202.6 163.2 244.8





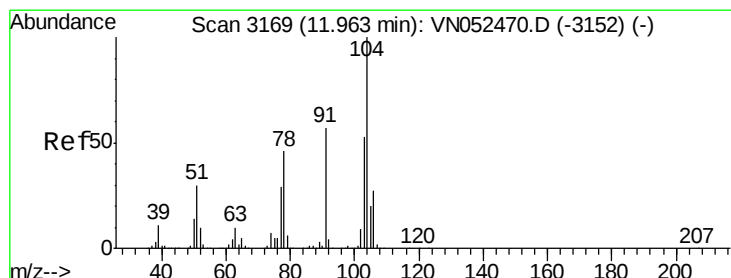
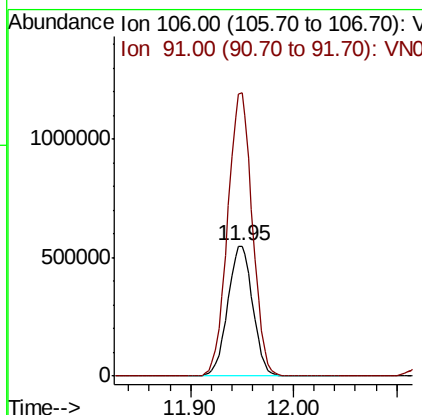
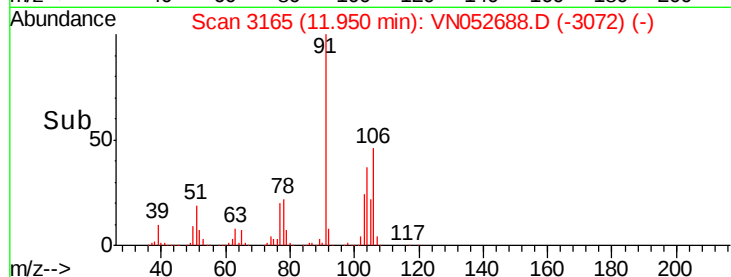
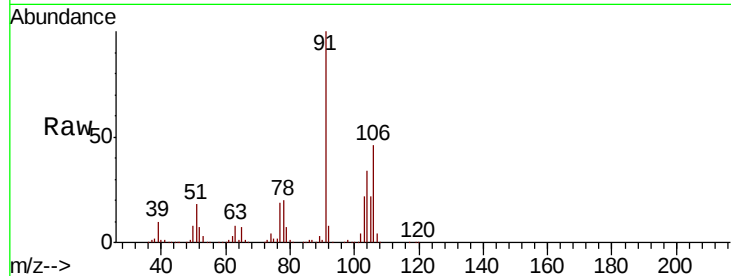
#69
o-Xylene
Concen: 54.801 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 924281
Ion Ratio Lower Upper
106 100
91 215.5 107.7 323.1

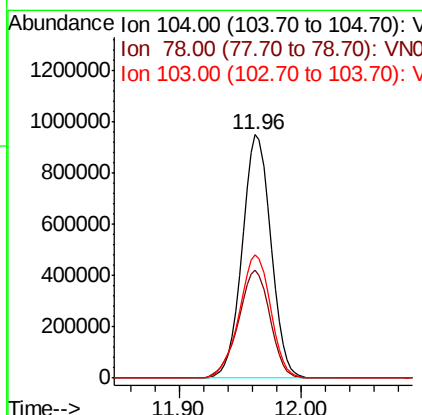
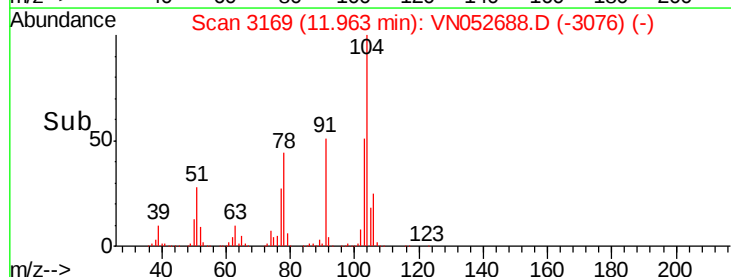
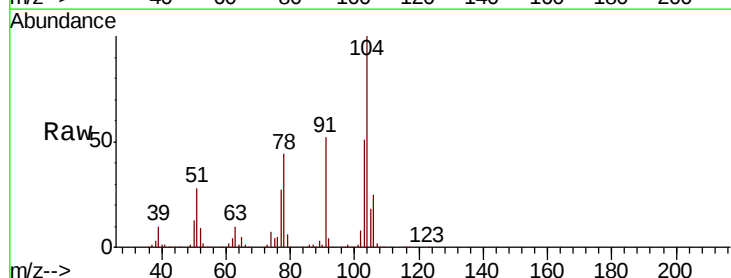
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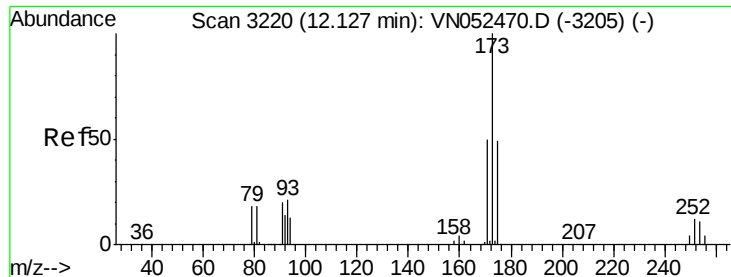
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#70
Styrene
Concen: 57.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion:104 Resp: 1536523
Ion Ratio Lower Upper
104 100
78 48.9 39.4 59.2
103 55.7 44.9 67.3





#71

Bromoform

Concen: 57.347 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

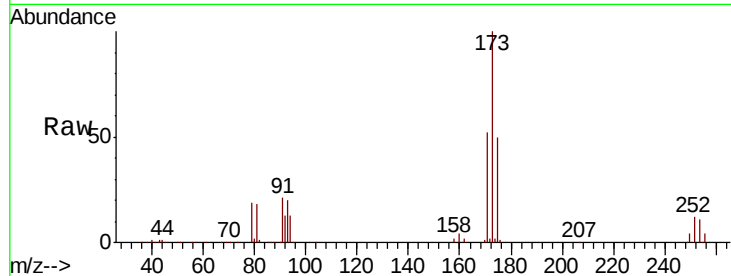
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.2
254	0.1	0.1	0.1#

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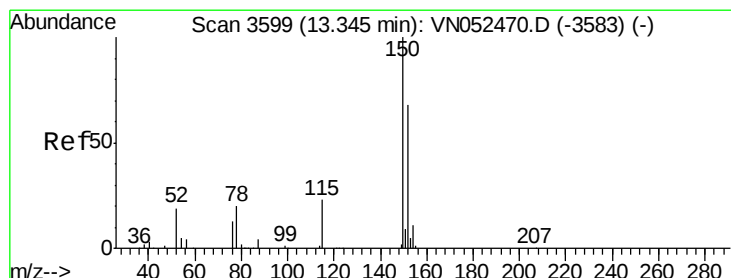
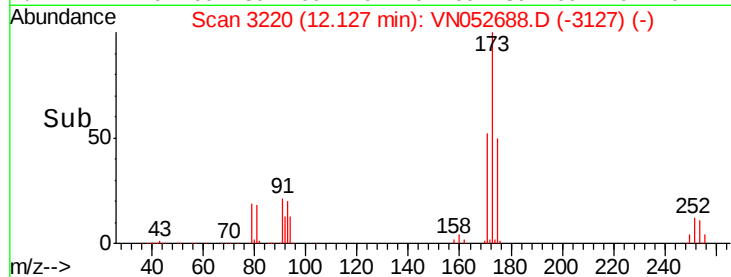
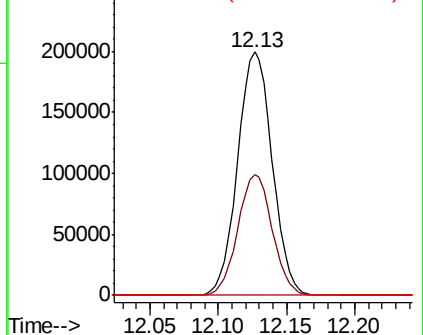


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

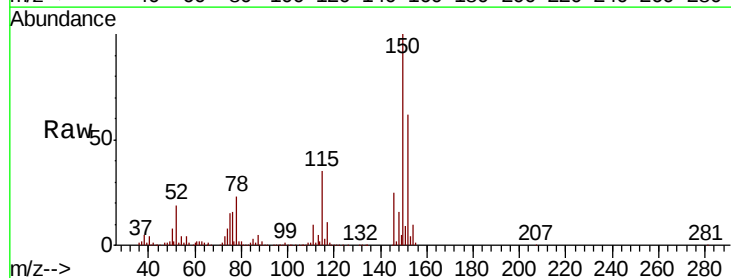
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.4	85.2
150	176.0	0.0	346.0

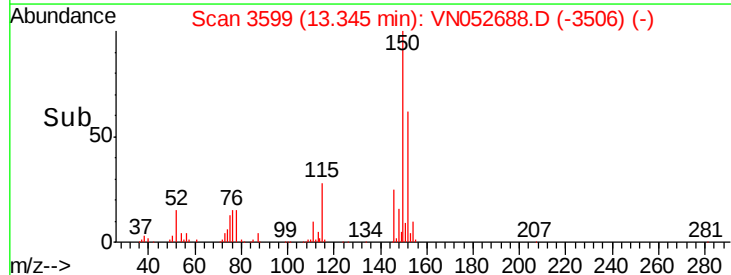
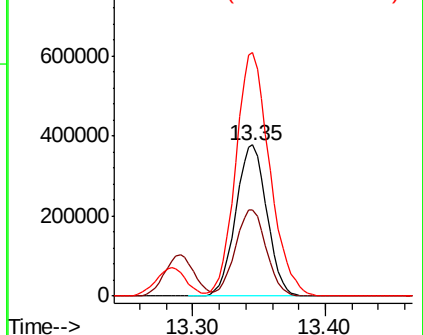


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.000 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2513963

Ion Ratio Lower Upper

105 100

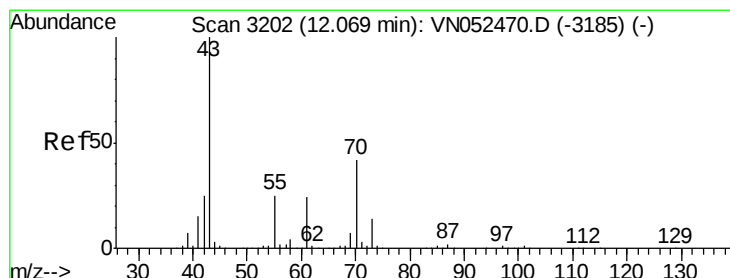
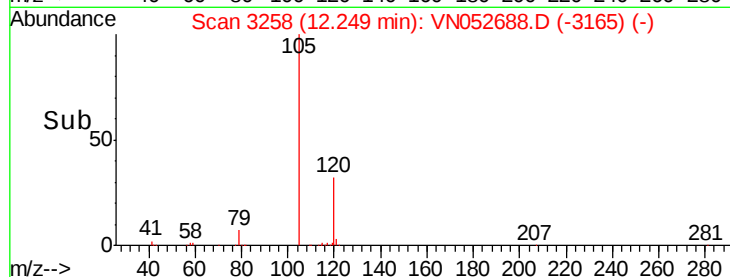
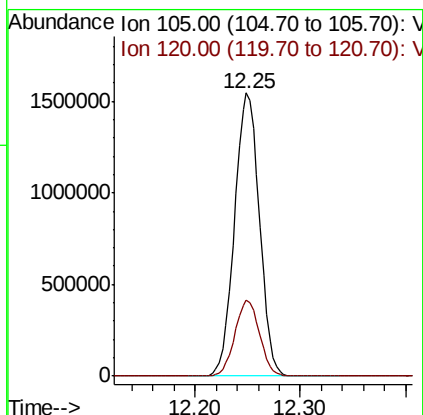
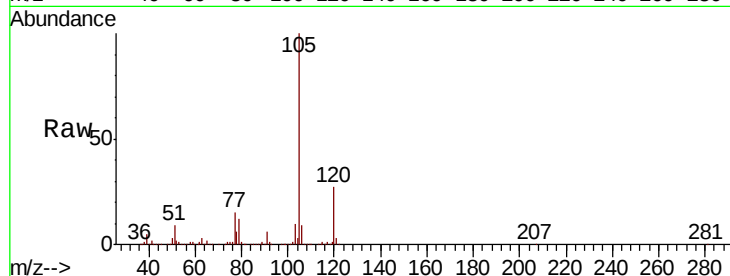
120 26.6 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.077 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion: 43 Resp: 636065

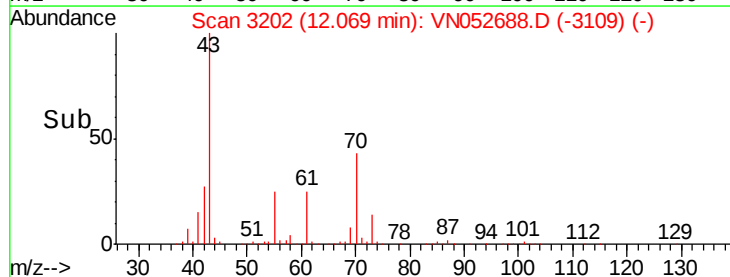
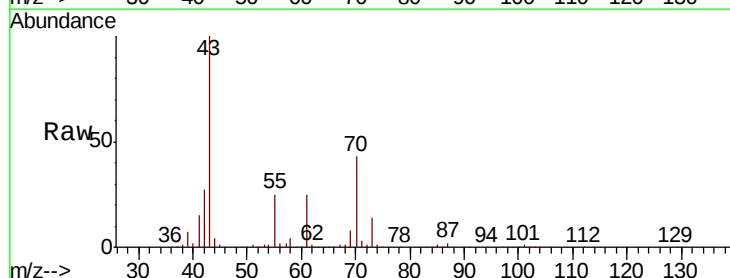
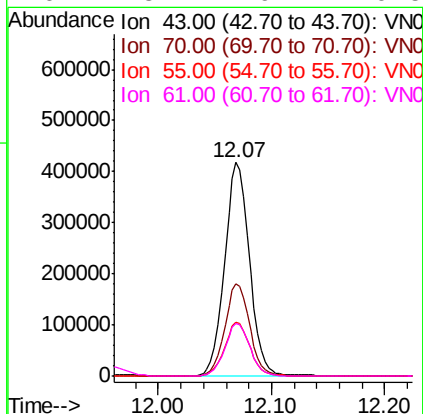
Ion Ratio Lower Upper

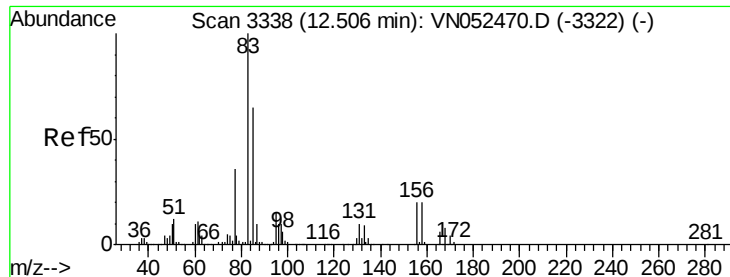
43 100

70 43.3 33.8 50.8

55 25.7 20.0 30.0

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.558 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

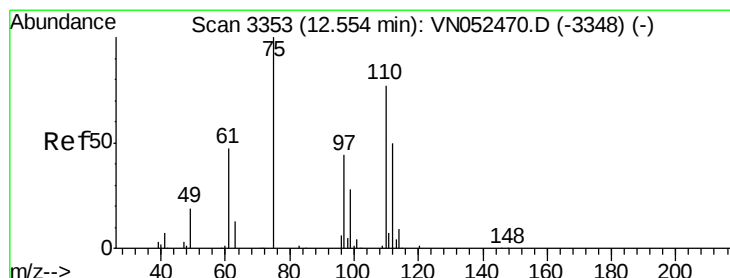
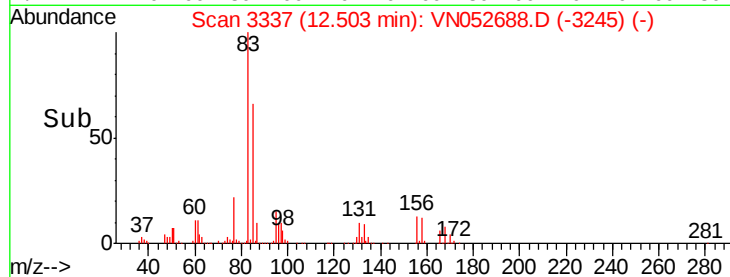
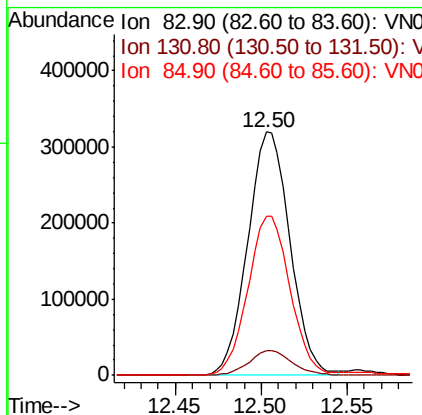
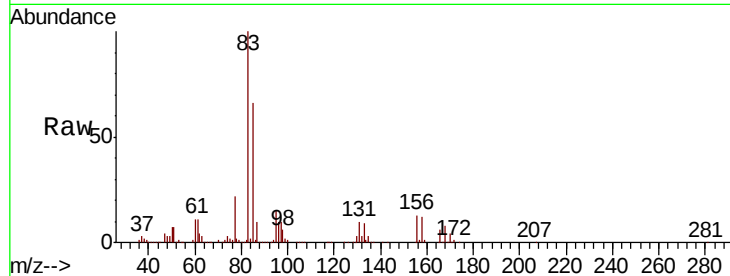
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	545020
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	65.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 49.400 ug/l m

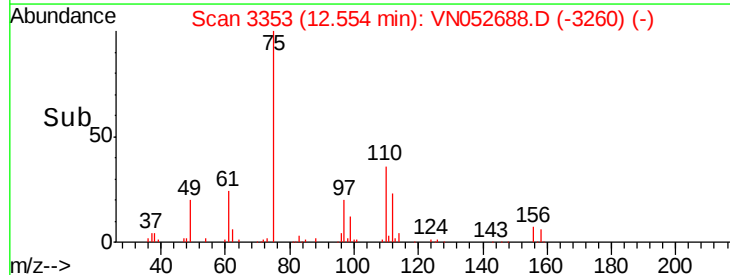
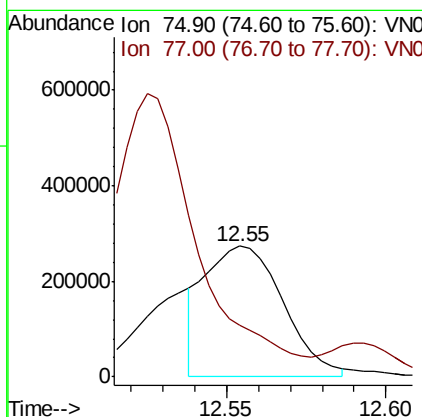
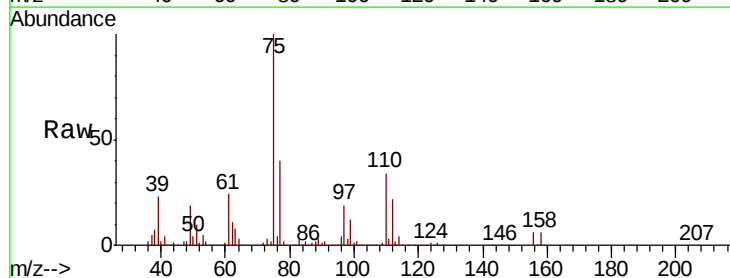
RT: 12.55 min Scan# 3353

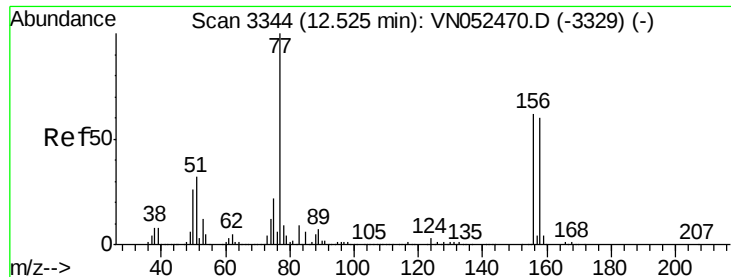
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	75	Resp:	469416
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.980 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

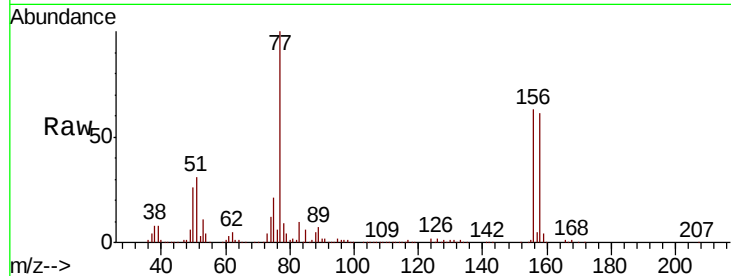
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	621145
Ion Ratio	Lower	Upper	
156	100		
77	183.5	93.5	280.4
158	98.0	48.3	144.9

Manual Integrations
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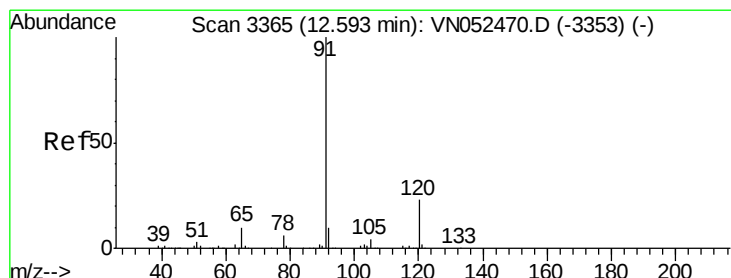
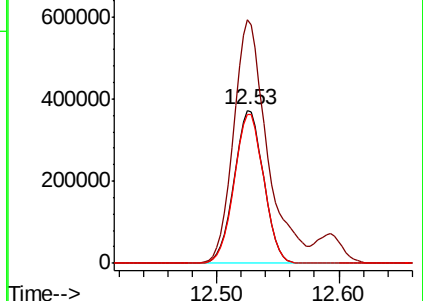
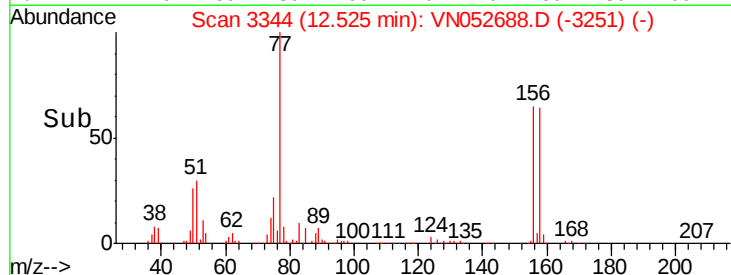
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.565 ug/l

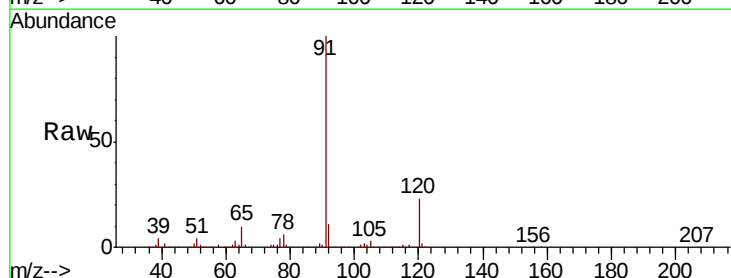
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052688.D

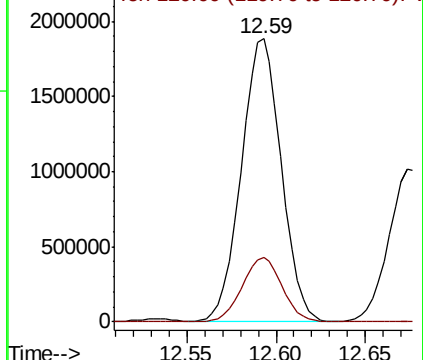
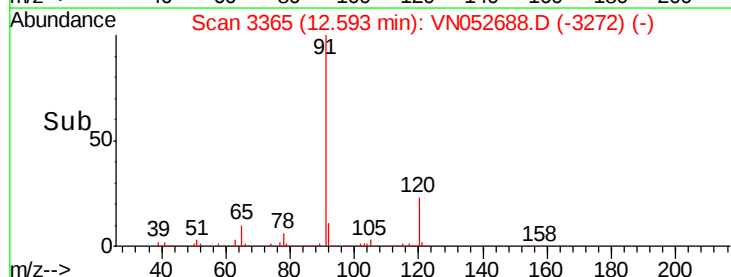
Acq: 6 Dec 2018 9:25

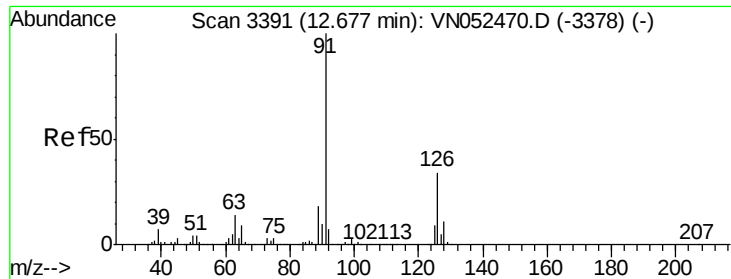
Tgt Ion:	91	Resp:	2941936
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.246 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1676093

Ion Ratio Lower Upper

91 100

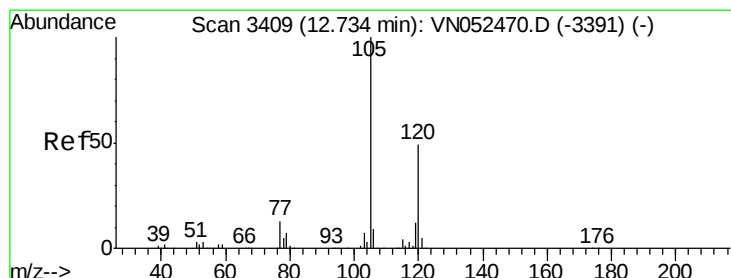
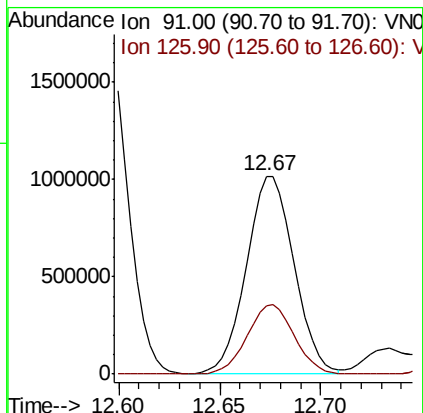
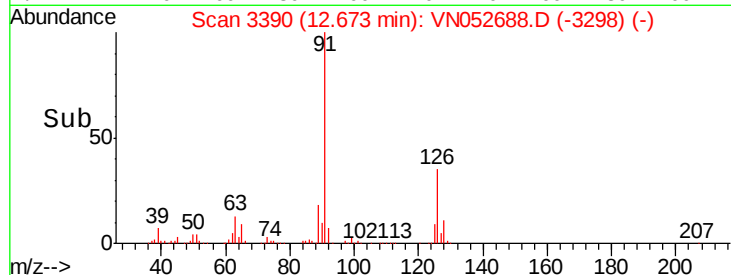
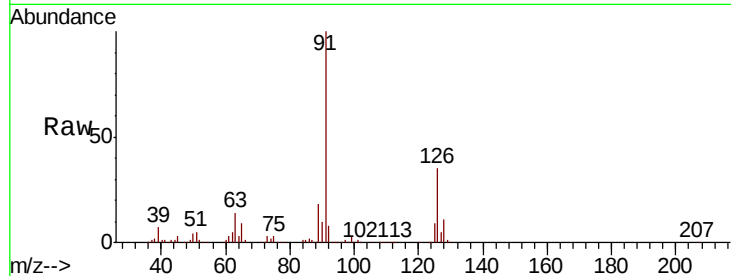
126 34.9 17.2 51.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.117 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052688.D

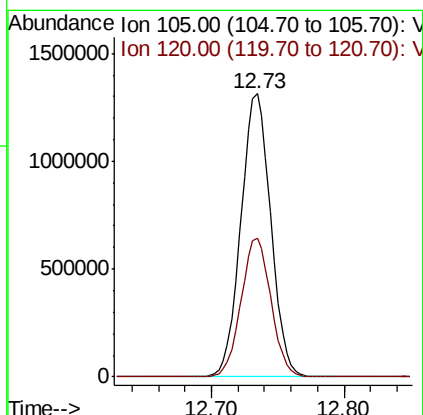
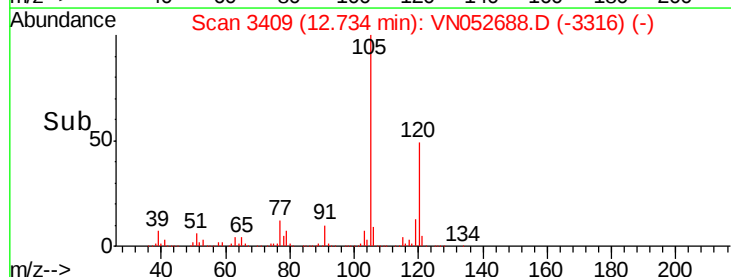
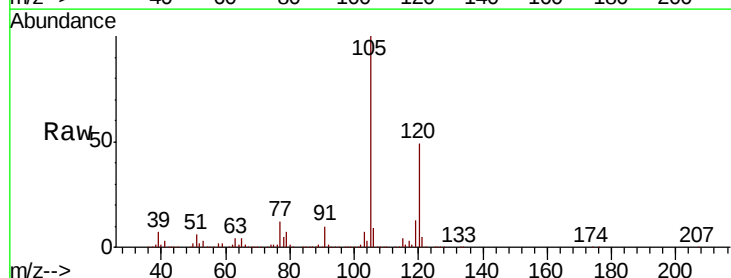
Acq: 6 Dec 2018 9:25

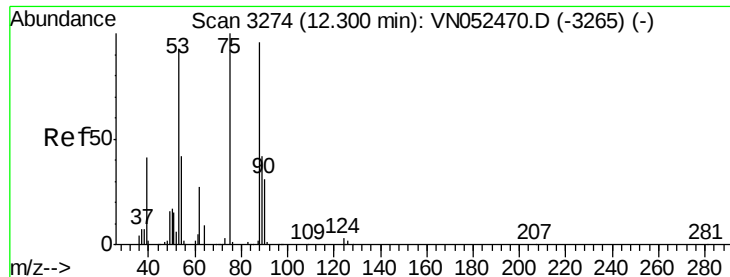
Tgt Ion: 105 Resp: 2048047

Ion Ratio Lower Upper

105 100

120 49.0 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.952 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

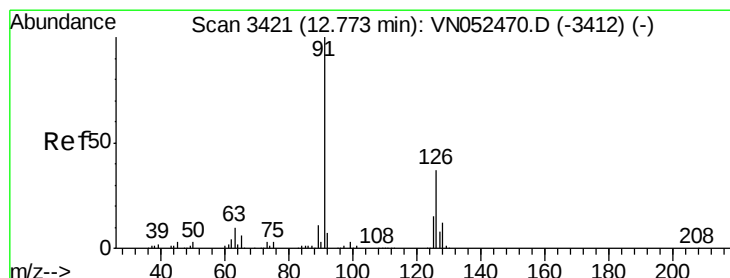
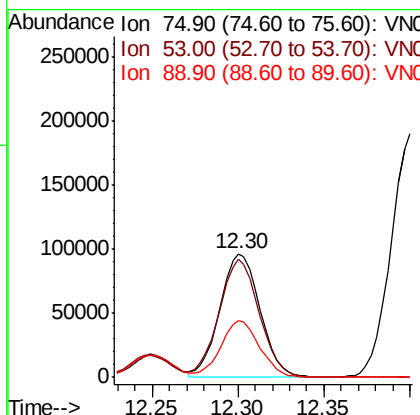
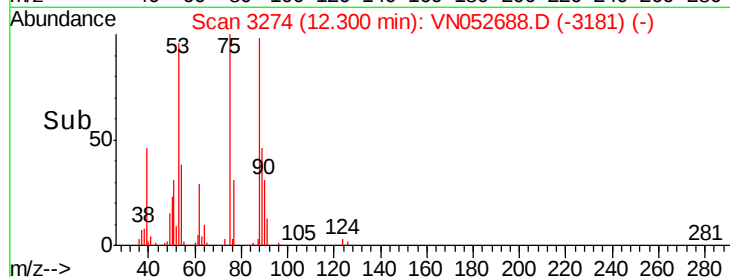
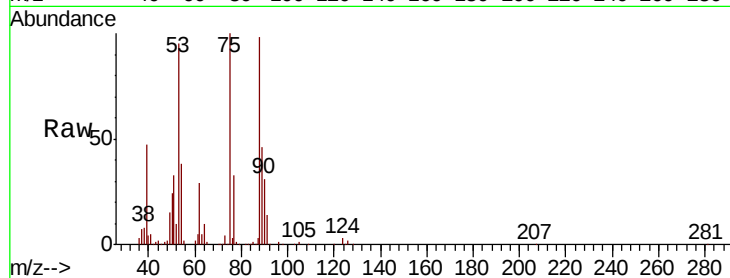
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	156361
Ion Ratio	Lower	Upper	
75	100		
53	96.7	77.4	116.0
89	44.8	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.463 ug/l

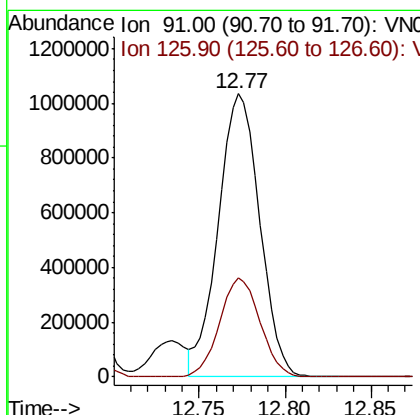
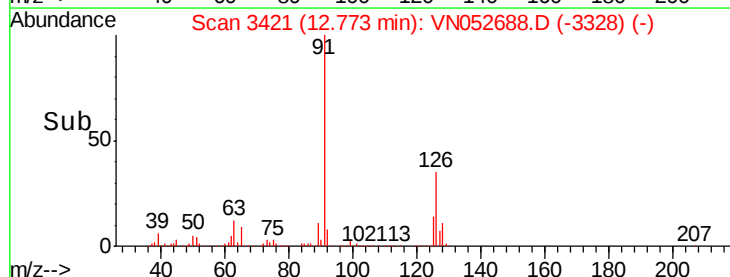
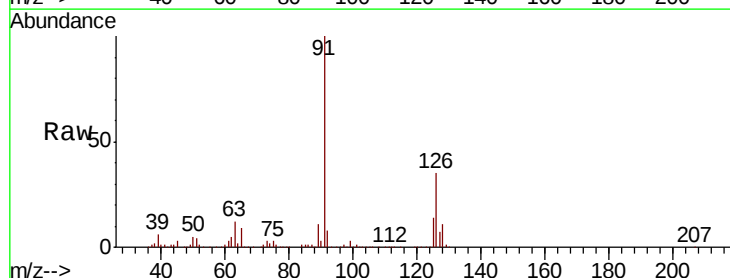
RT: 12.77 min Scan# 3421

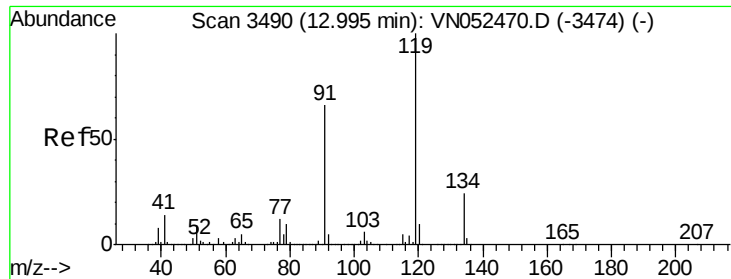
Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Tgt Ion:	91	Resp:	1729351
Ion Ratio	Lower	Upper	
91	100		
126	34.3	16.9	50.6





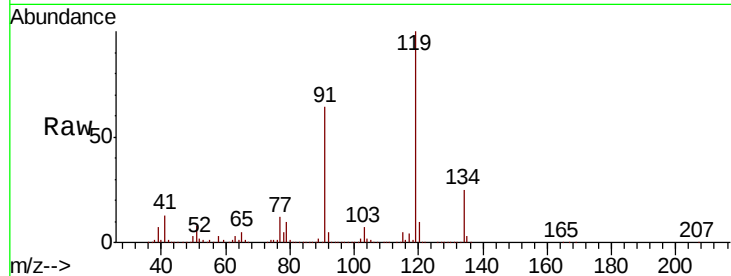
#83
tert-Butylbenzene
Concen: 52.789 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

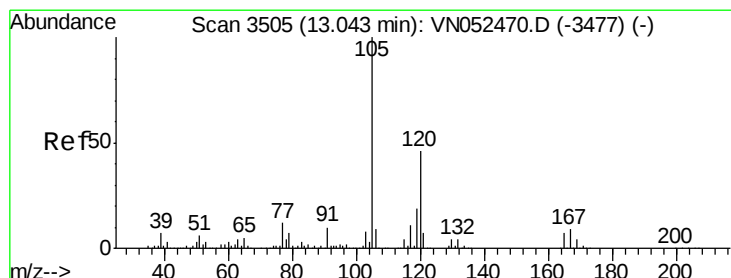
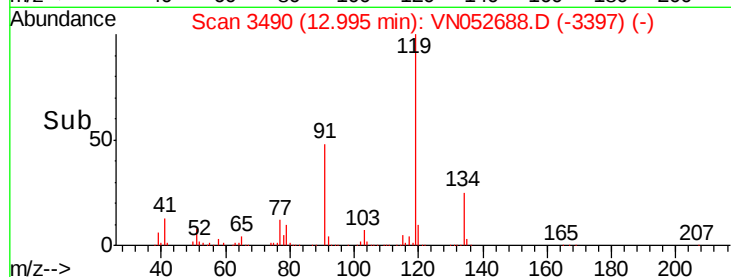
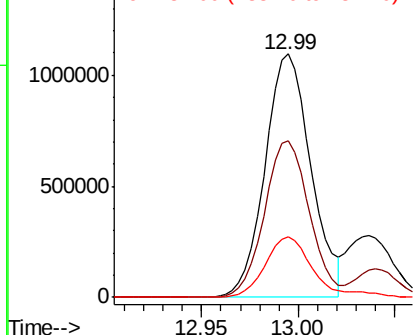
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.3	96.9
134	26.0	13.0	38.9

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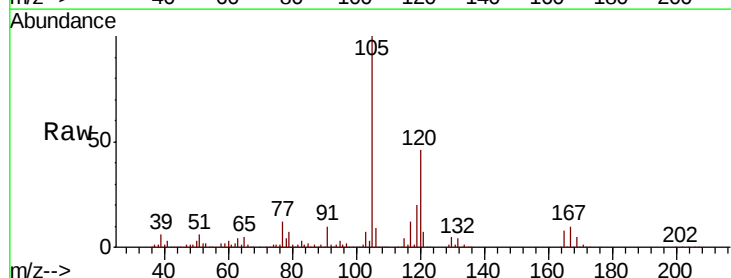


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

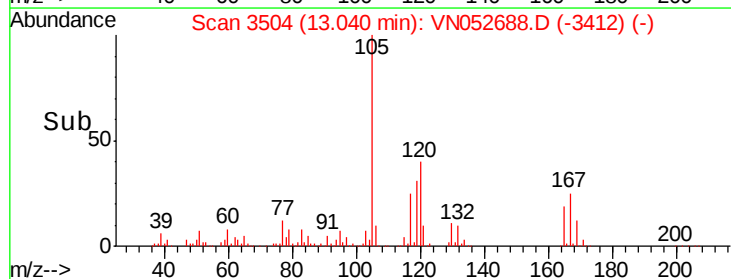
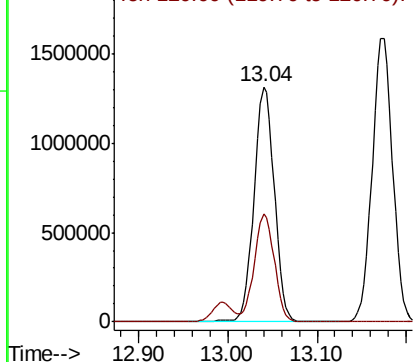


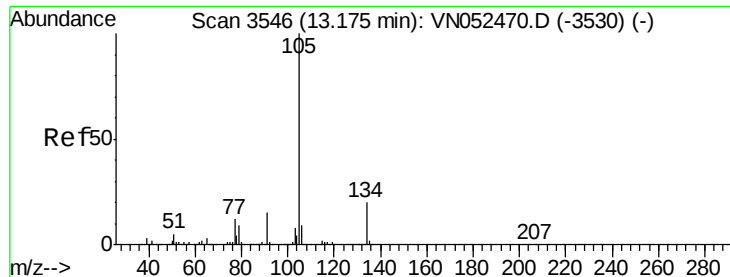
#84
1,2,4-Trimethylbenzene
Concen: 53.765 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.616 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2510224

Ion Ratio Lower Upper

105 100

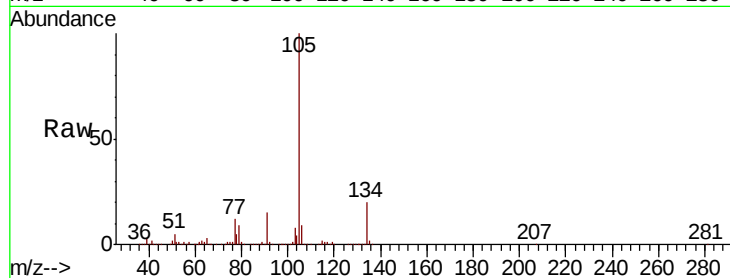
134 20.2 9.9 29.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

1500000

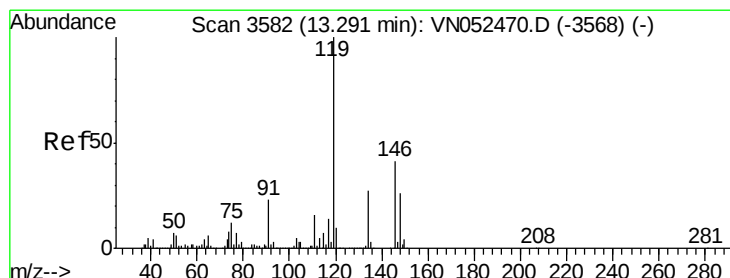
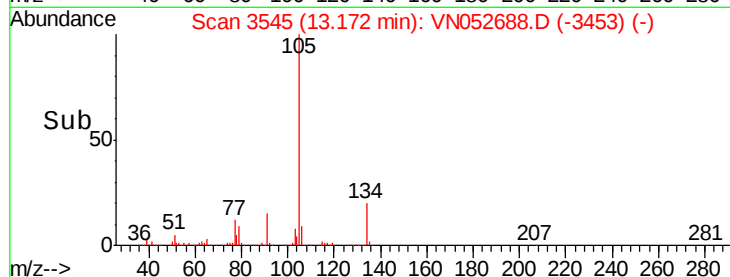
1000000

500000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 54.331 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

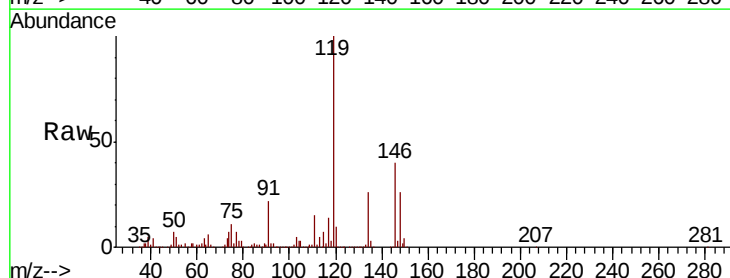
Tgt Ion:119 Resp: 2166546

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.4 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

1500000

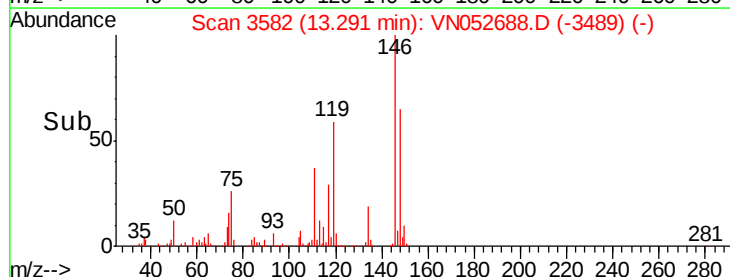
1000000

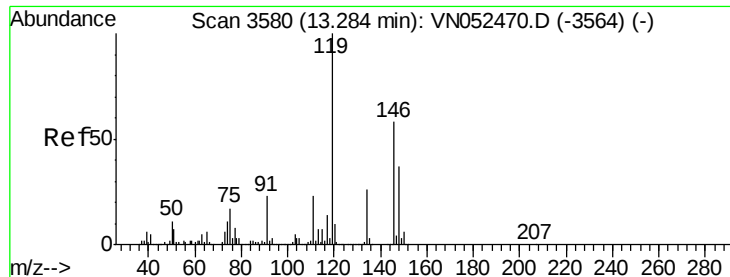
500000

0

Time-->

13.20 13.25 13.30 13.35





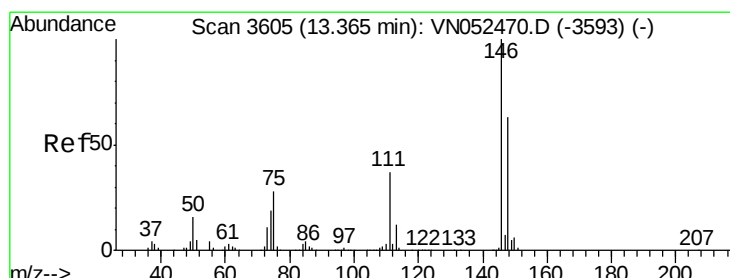
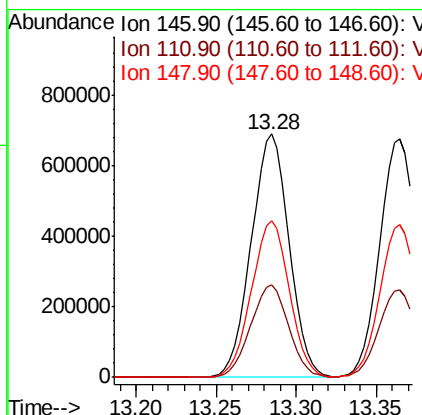
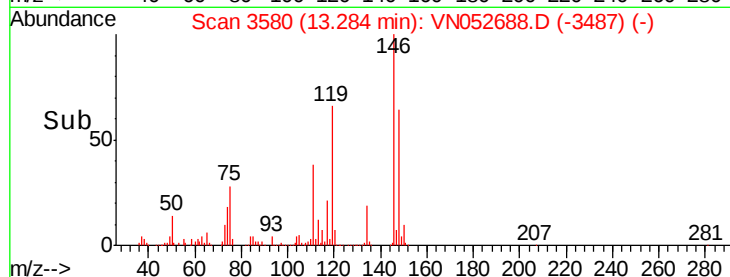
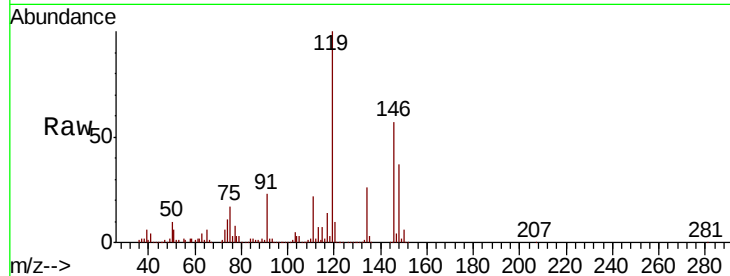
#87
 1,3-Dichlorobenzene
 Concen: 53.548 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1119299
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.4 58.4
 148 64.4 31.8 95.4

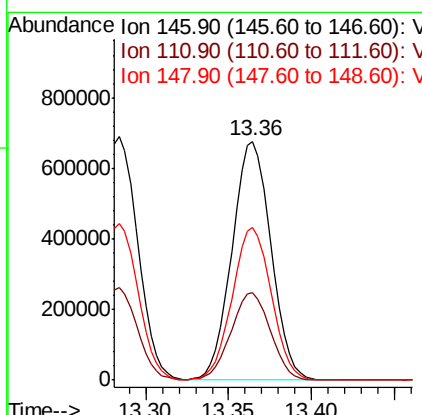
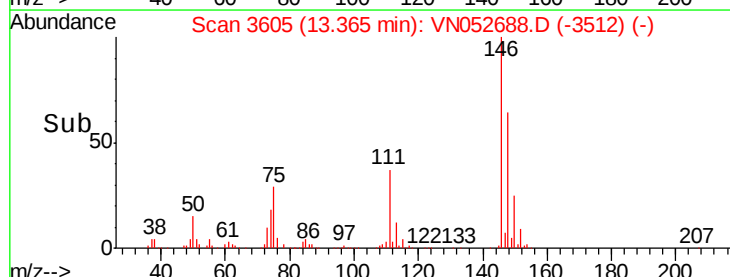
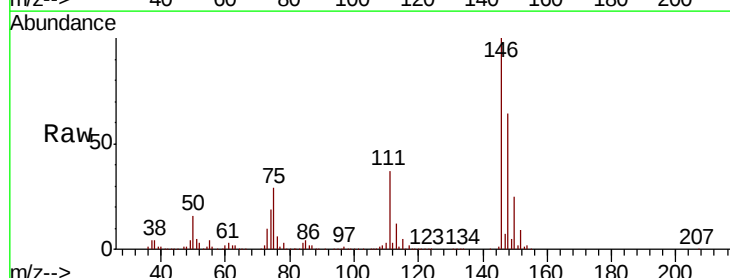
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 53.644 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052688.D
 Acq: 6 Dec 2018 9:25

Tgt Ion:146 Resp: 1104483
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 64.3 31.9 95.9





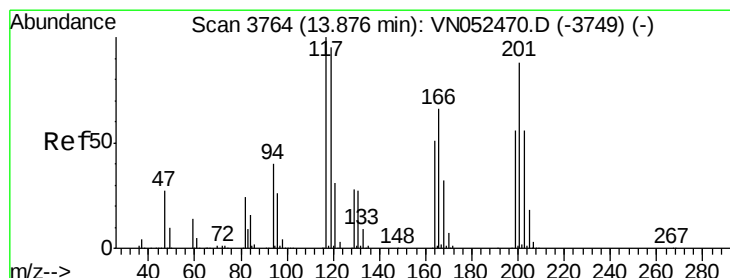
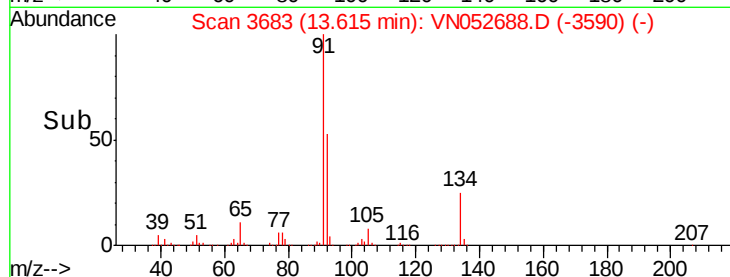
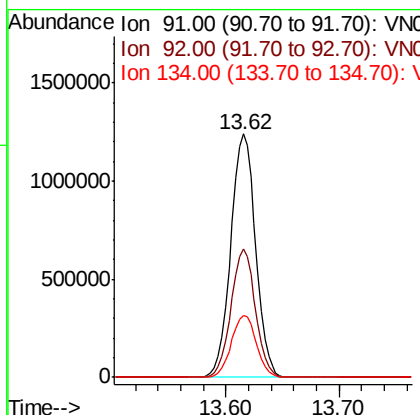
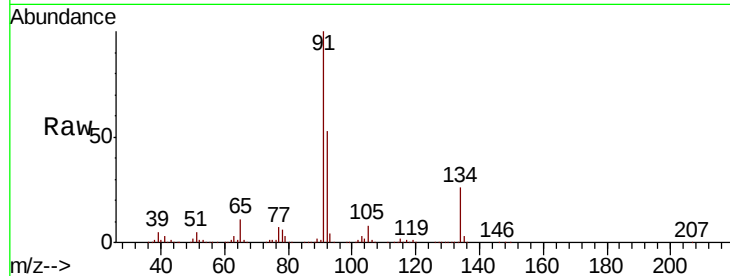
#89
n-Butylbenzene
Concen: 56.969 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1889293
Ion Ratio Lower Upper
91 100
92 51.8 26.1 78.3
134 25.8 13.0 38.9

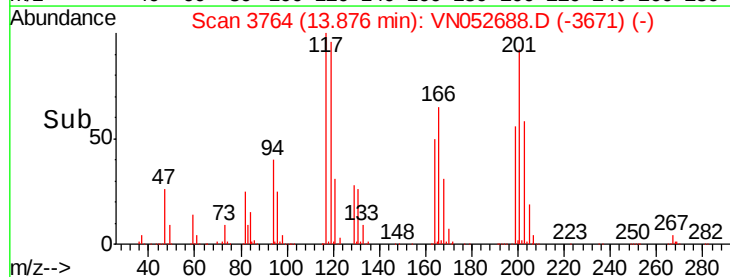
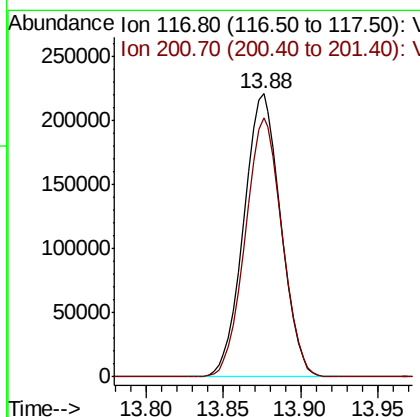
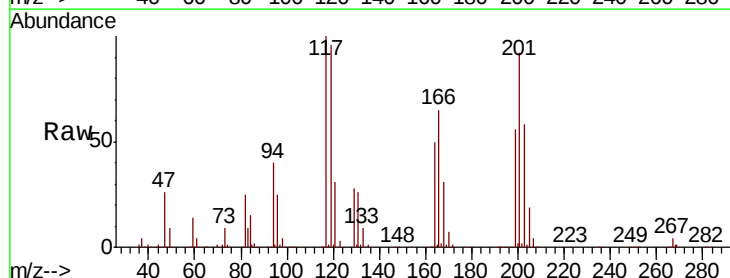
Manual Integrations
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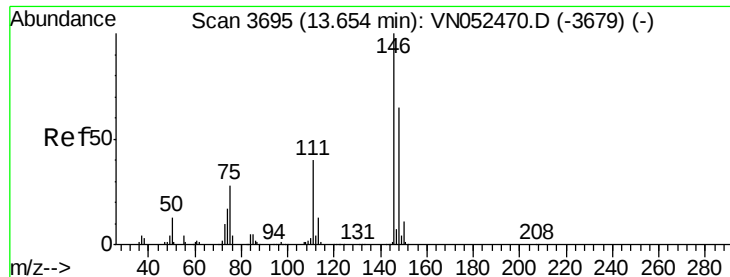
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#90
Hexachloroethane
Concen: 54.481 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion: 117 Resp: 367860
Ion Ratio Lower Upper
117 100
201 90.8 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 53.471 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1067833

Ion Ratio Lower Upper

146 100

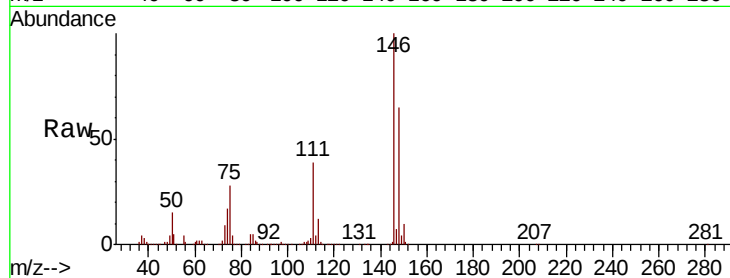
111 39.3 20.0 60.0

148 64.4 32.0 96.2

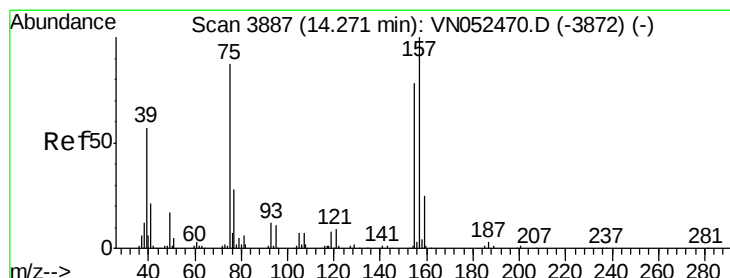
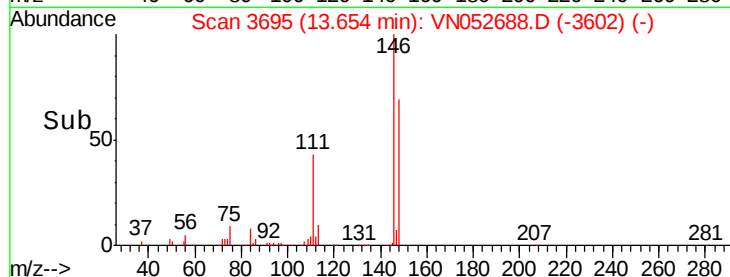
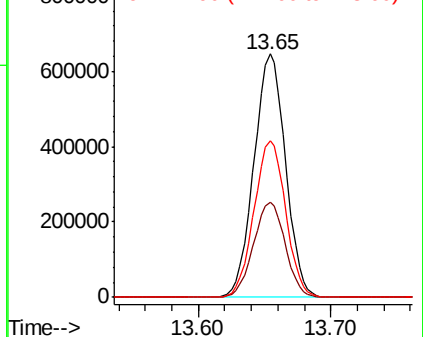
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.807 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052688.D

Acq: 6 Dec 2018 9:25

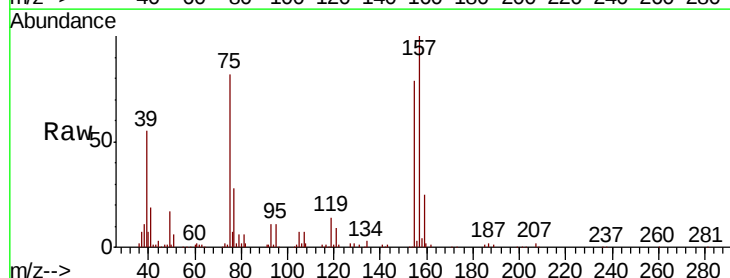
Tgt Ion: 75 Resp: 81487

Ion Ratio Lower Upper

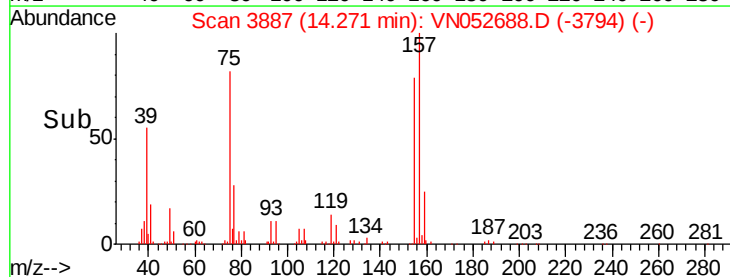
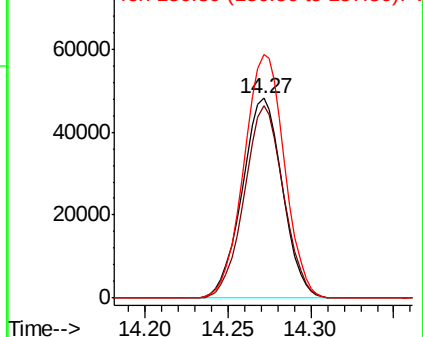
75 100

155 93.5 45.3 135.9

157 122.5 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





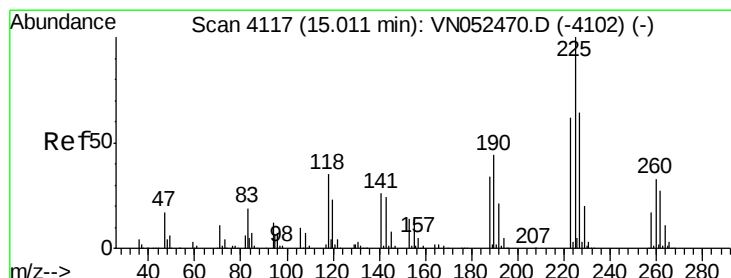
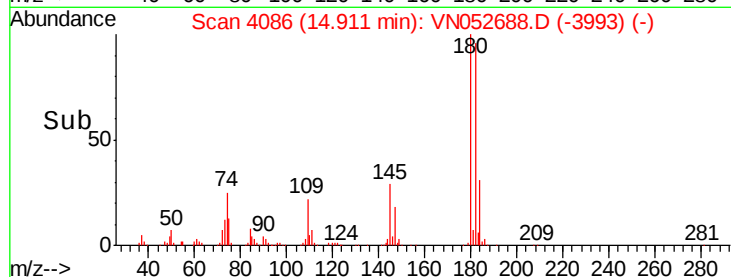
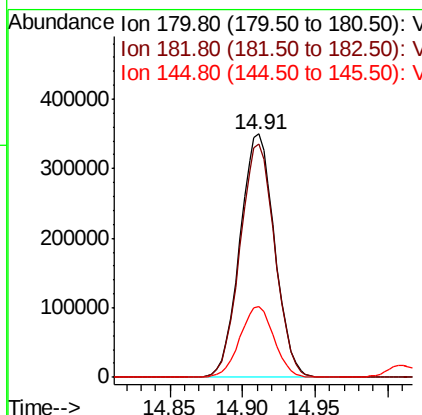
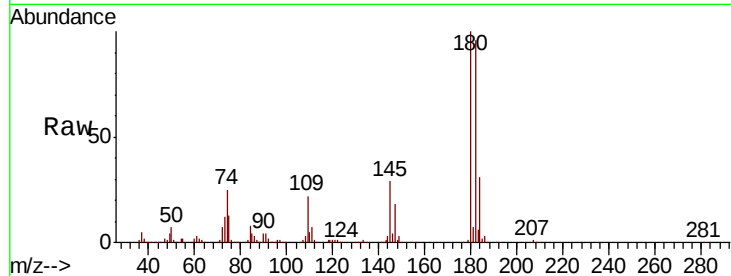
#93
1,2,4-Trichlorobenzene
Concen: 53.013 ug/l
RT: 14.91 min Scan# 4086
Delta R.T. 0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	47.8	143.4	
145	28.5	14.1	42.3	

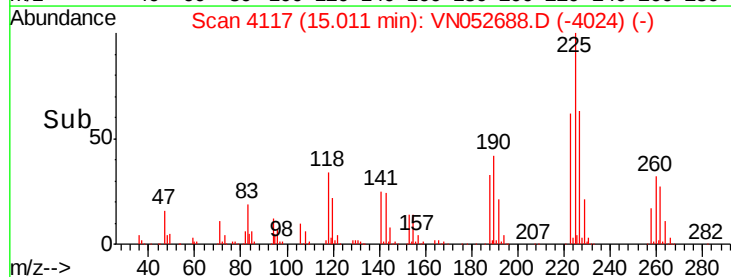
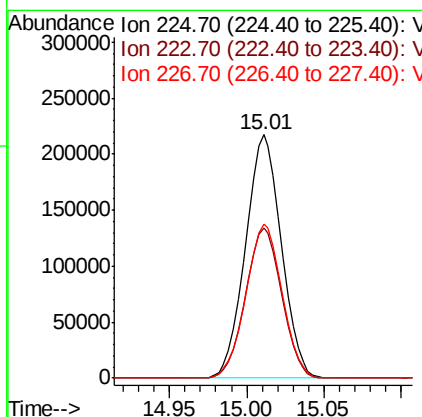
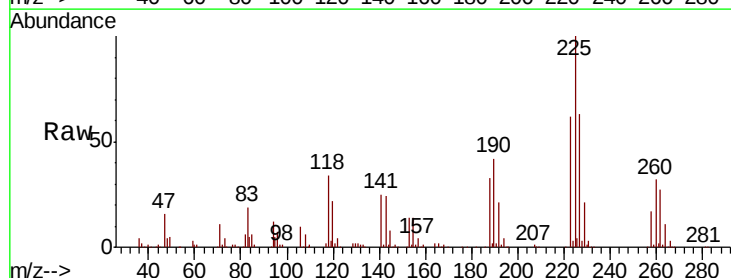
Manual Integrations
APPROVED

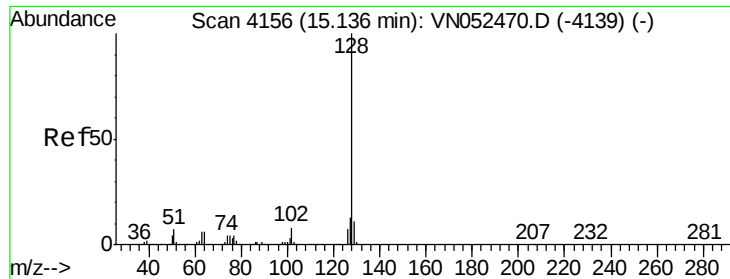
MMDadoda
12/7/2018 1:12:39 PM



#94
Hexachlorobutadiene
Concen: 54.483 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.4	94.2	
227	63.9	32.5	97.4	





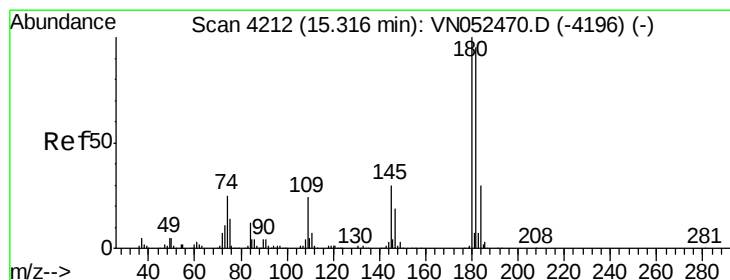
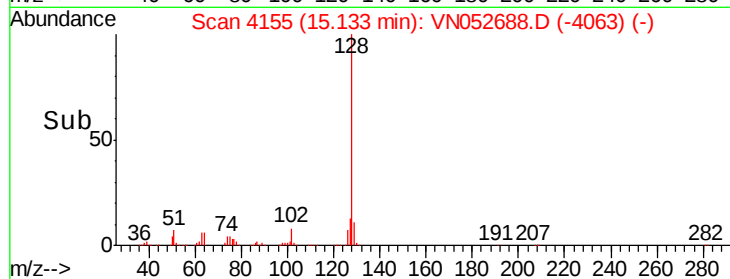
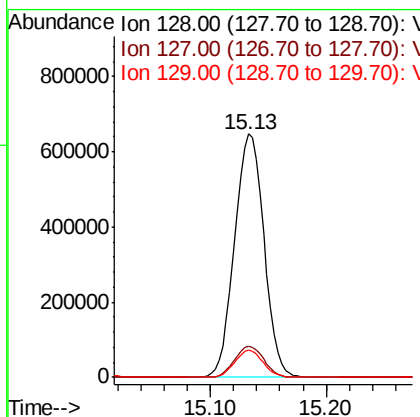
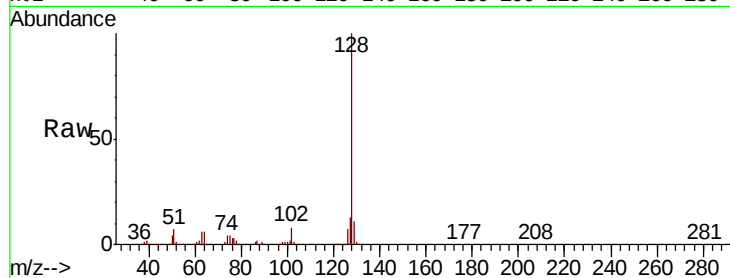
#95
Naphthalene
Concen: 49.091 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2018 1:12:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.124 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052688.D
Acq: 6 Dec 2018 9:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.8	143.3
145	30.1	15.2	45.5

