

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053379.D
 Acq On : 14 Jan 2019 9:31
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:14:01 AM

Quant Time: Jan 14 23:07:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	939271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1365036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1238362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	606179	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	441394	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
35) Dibromofluoromethane	7.59	113	394762	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
50) Toluene-d8	10.09	98	1662204	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	593184	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408254	49.302	ug/l	100
3) Chloromethane	2.06	50	526264	45.510	ug/l	100
4) Vinyl Chloride	2.19	62	516301	46.778	ug/l	99
5) Bromomethane	2.57	94	340492	47.211	ug/l	100
6) Chloroethane	2.71	64	314443	47.200	ug/l	99
7) Trichlorofluoromethane	3.02	101	705216	49.329	ug/l	99
8) Diethyl Ether	3.41	74	258567	46.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	456800	50.417	ug/l	99
10) Methyl Iodide	3.96	142	656658	51.704	ug/l	100
11) Tert butyl alcohol	4.77	59	119841	203.895	ug/l	100
12) 1,1-Dichloroethene	3.74	96	423291	48.298	ug/l	99
13) Acrolein	3.61	56	198046	267.989	ug/l	99
14) Allyl chloride	4.33	41	665174	47.091	ug/l	99
15) Acrylonitrile	4.98	53	749026	213.478	ug/l	99
16) Acetone	3.81	43	543845	231.075	ug/l	98
17) Carbon Disulfide	4.06	76	1222163	45.232	ug/l	99
18) Methyl Acetate	4.32	43	356644	40.326	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1135612	46.169	ug/l	98
20) Methylene Chloride	4.55	84	483559	46.074	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	452430	48.079	ug/l	99
22) Diisopropyl ether	5.95	45	1501809	49.353	ug/l	99
23) Vinyl Acetate	5.89	43	4490572	234.531	ug/l	100
24) 1,1-Dichloroethane	5.85	63	858851	48.936	ug/l	100
25) 2-Butanone	6.83	43	860107	214.542	ug/l	100
26) 2,2-Dichloropropane	6.82	77	672597	52.426	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	526183	48.965	ug/l	98
28) Bromochloromethane	7.19	49	356562	47.675	ug/l	99
29) Tetrahydrofuran	7.21	42	538787	203.654	ug/l	100
30) Chloroform	7.37	83	843940	48.854	ug/l	99
31) Cyclohexane	7.65	56	820468	49.191	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	716847	49.798	ug/l	100
36) 1,1-Dichloropropene	7.79	75	670050	52.580	ug/l	99
37) Ethyl Acetate	6.92	43	370200	44.599	ug/l	100
38) Carbon Tetrachloride	7.77	117	634385	53.934	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	854499	57.879	ug/l	100
40) Benzene	8.04	78	1992159	51.177	ug/l	100
41) Methacrylonitrile	7.17	41	234615	45.527	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	572374	49.571	ug/l	100
43) Isopropyl Acetate	8.16	43	675506	41.368	ug/l	98
44) Trichloroethene	8.83	130	560208	52.411	ug/l	99
45) 1,2-Dichloropropane	9.12	63	533644	52.269	ug/l	100
46) Dibromomethane	9.21	93	295347	49.615	ug/l	99
47) Bromodichloromethane	9.40	83	653044	52.642	ug/l	99
48) Methyl methacrylate	9.20	41	346934	46.765	ug/l	98
49) 1,4-Dioxane	9.20	88	75145	950.719	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1867058	227.365	ug/l	100
52) Toluene	10.15	92	1248556	52.282	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	677623	53.396	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	790226	53.887	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	428513	48.800	ug/l	99
56) Ethyl methacrylate	10.43	69	556251	48.746	ug/l	99
57) 1,3-Dichloropropane	10.71	76	737033	50.191	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1443567	233.999	ug/l	100
59) 2-Hexanone	10.75	43	1322354	235.028	ug/l	100
60) Dibromochloromethane	10.90	129	497511	52.529	ug/l	99
61) 1,2-Dibromoethane	11.00	107	429865	49.607	ug/l	99
64) Tetrachloroethene	10.63	164	627777	53.861	ug/l	99
65) Chlorobenzene	11.43	112	1403985	52.189	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	499491	53.047	ug/l	99
67) Ethyl Benzene	11.51	91	2425532	53.061	ug/l	100
68) m/p-Xylenes	11.62	106	1854861	107.910	ug/l	99
69) o-Xylene	11.95	106	898100	53.369	ug/l	99
70) Styrene	11.96	104	1485273	54.231	ug/l	100
71) Bromoform	12.13	173	341674	51.373	ug/l #	100
73) Isopropylbenzene	12.25	105	2414765	53.505	ug/l	100
74) N-amyl acetate	12.07	43	629078	46.679	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	464028	44.696	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	375885m	42.514	ug/l	
77) Bromobenzene	12.53	156	621331	51.582	ug/l	98
78) n-propylbenzene	12.59	91	2831001	55.455	ug/l	99
79) 2-Chlorotoluene	12.67	91	1613867	52.246	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1975033	54.328	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	152719	50.820	ug/l	100
82) 4-Chlorotoluene	12.77	91	1667603	52.648	ug/l	99
83) tert-Butylbenzene	12.99	119	1770253	55.501	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2009109	54.248	ug/l	100
85) sec-Butylbenzene	13.17	105	2446993	58.173	ug/l	100
86) p-Isopropyltoluene	13.29	119	2138286	58.713	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1112020	52.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1090930	51.845	ug/l	99
89) n-Butylbenzene	13.61	91	1855891	60.781	ug/l	100
90) Hexachloroethane	13.87	117	335199	57.423	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	1019696	51.320	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59146	46.970	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	409223	65.502	ug/l	98
94) Hexachlorobutadiene	15.01	225	329313	64.445	ug/l	99
95) Naphthalene	15.13	128	644232	60.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	282838	69.149	ug/l	99

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

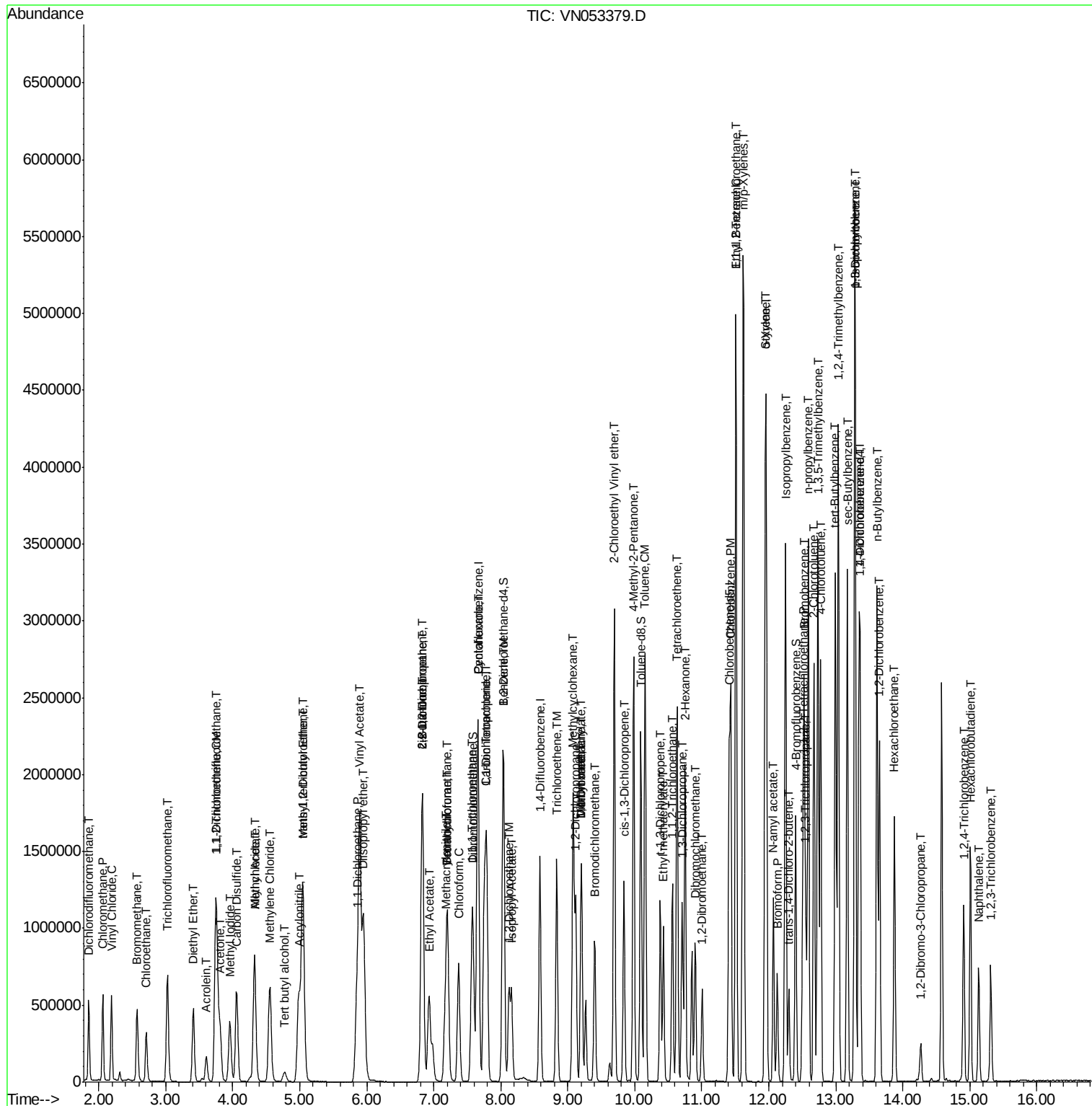
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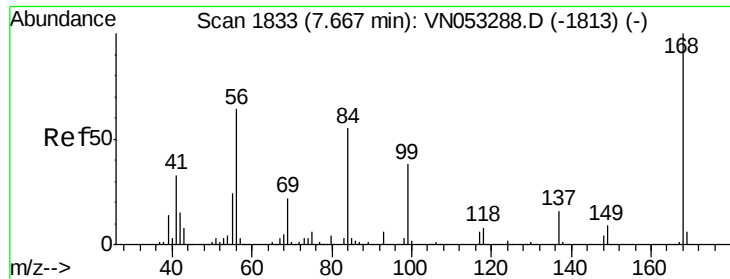
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 939271

Ion Ratio Lower Upper

168 100

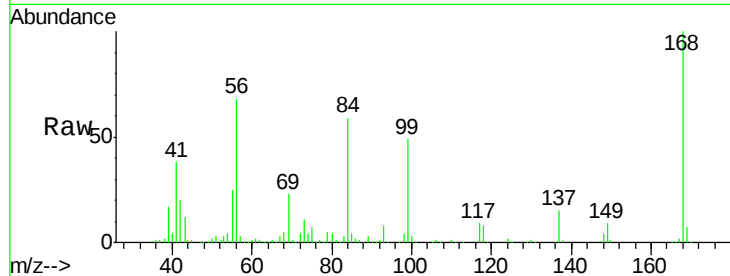
99 48.8 39.1 58.7

Manual Integrations

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1/15/2019 11:14:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

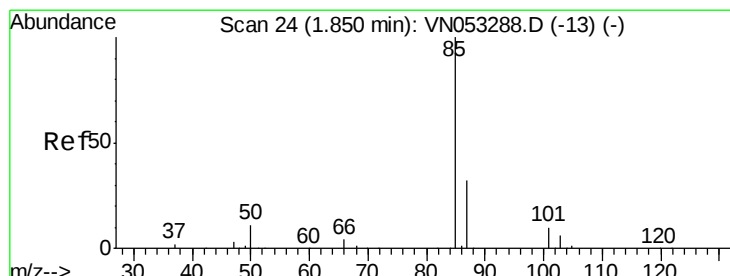
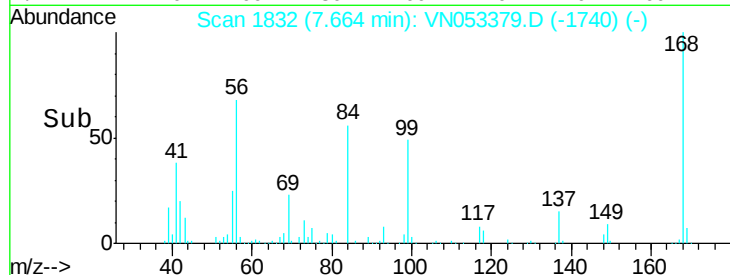
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.302 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053379.D

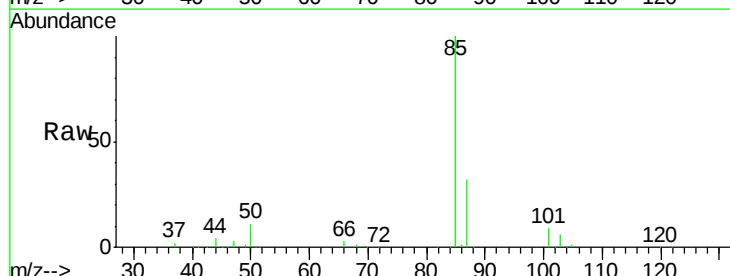
Acq: 14 Jan 2019 9:31

Tgt Ion: 85 Resp: 408254

Ion Ratio Lower Upper

85 100

87 32.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

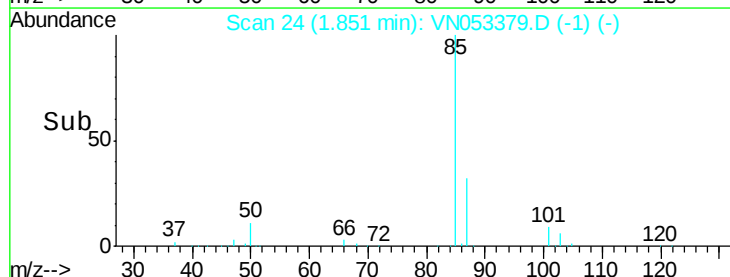
200000

100000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 45.510 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 526264

Ion Ratio Lower Upper

50 100

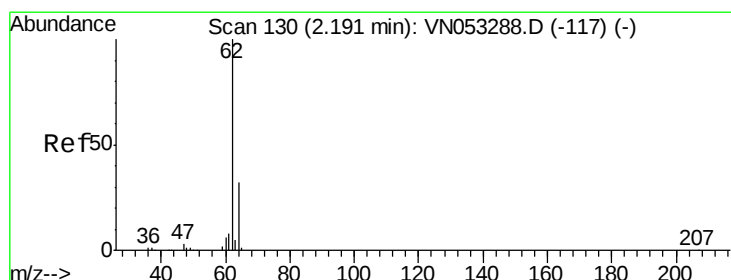
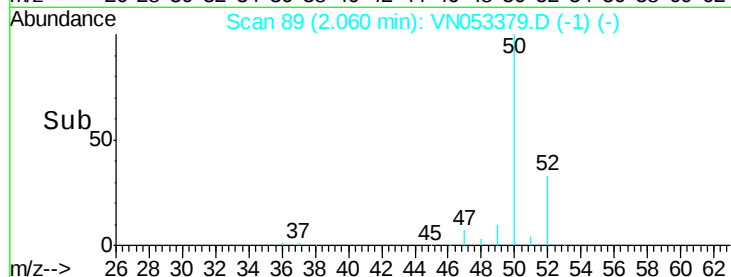
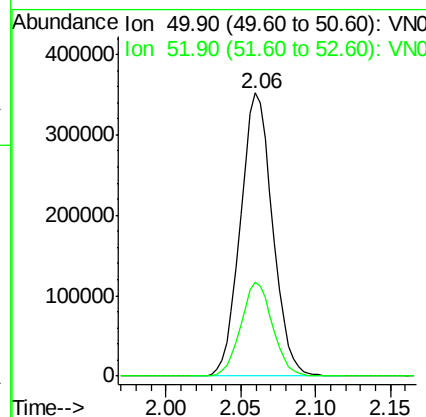
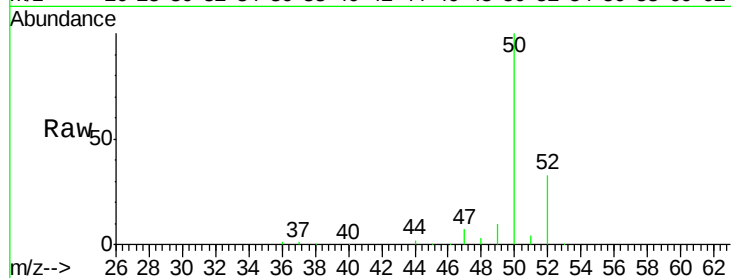
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.778 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053379.D

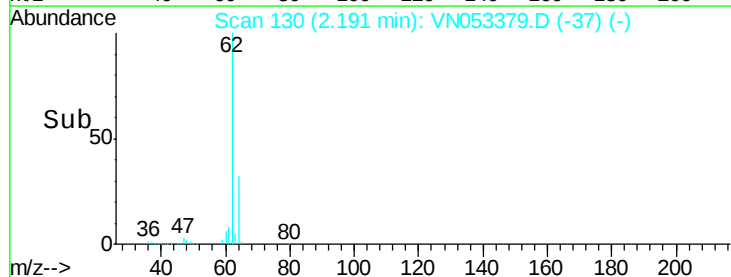
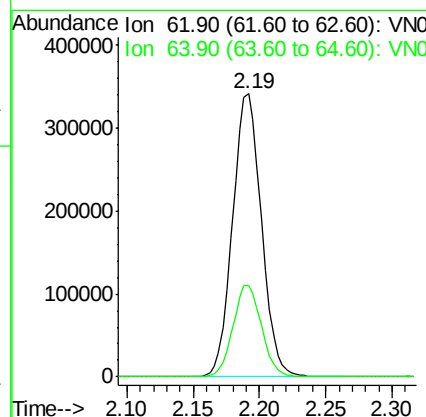
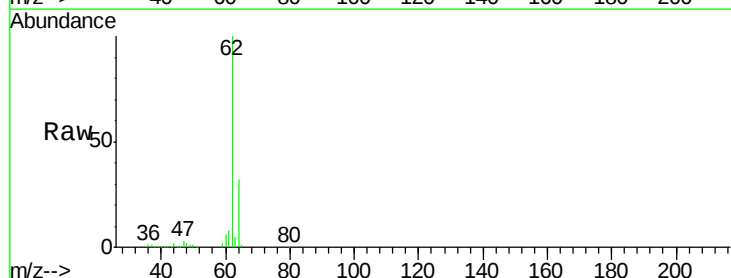
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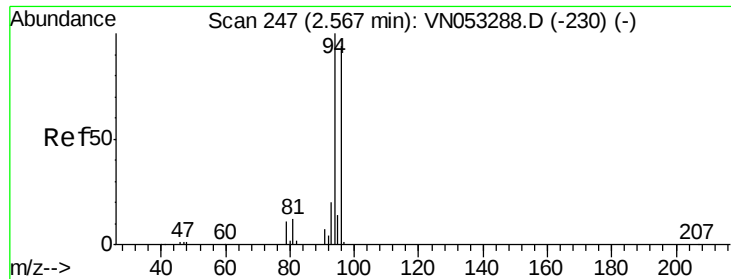
Tgt Ion: 62 Resp: 516301

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4





#5

Bromomethane

Concen: 47.211 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 340492

Ion Ratio Lower Upper

94 100

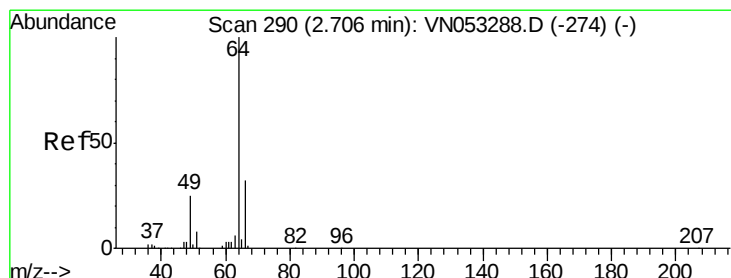
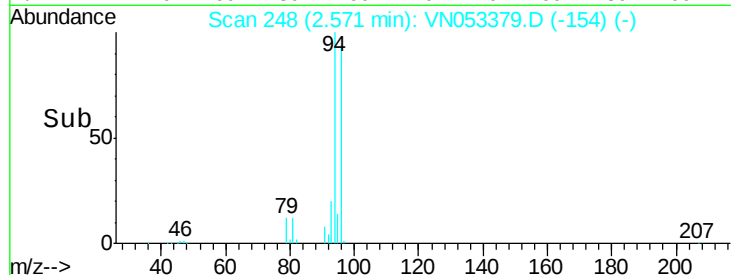
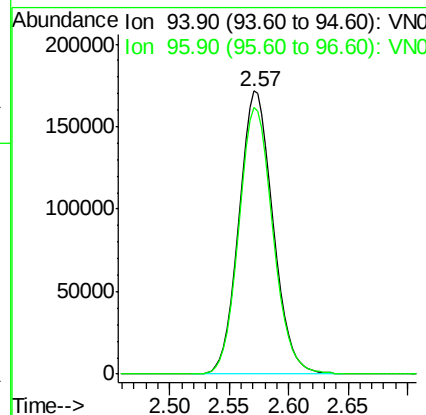
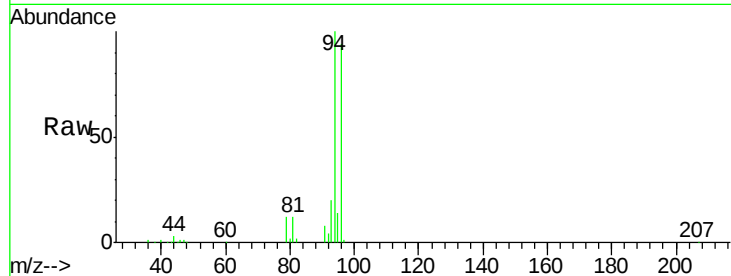
96 94.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 47.200 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053379.D

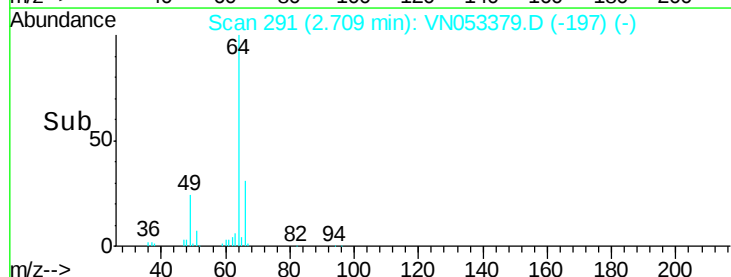
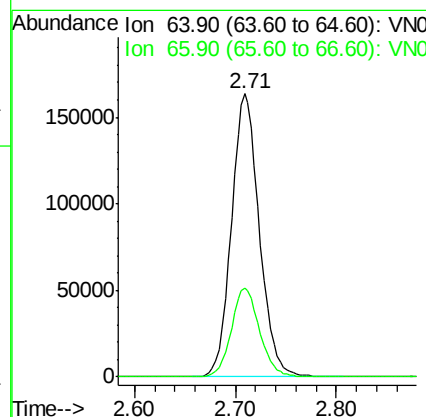
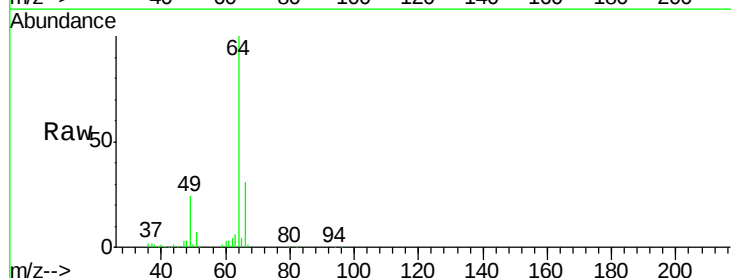
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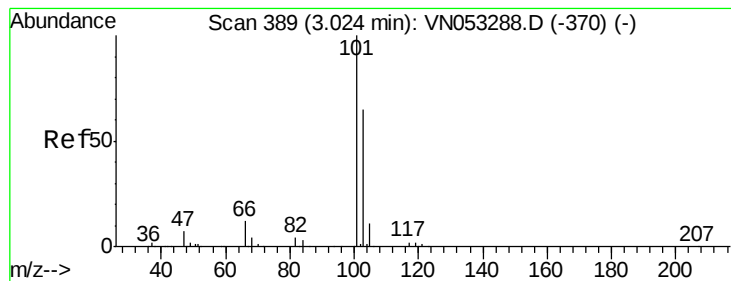
Tgt Ion: 64 Resp: 314443

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





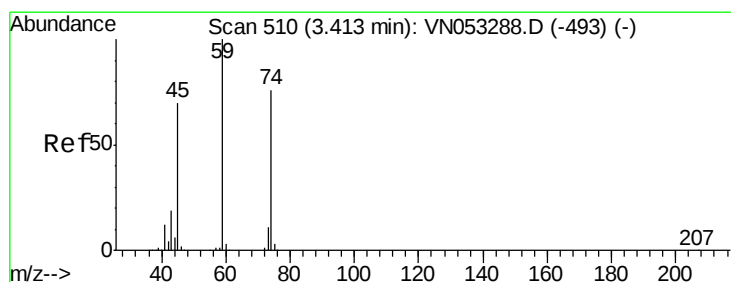
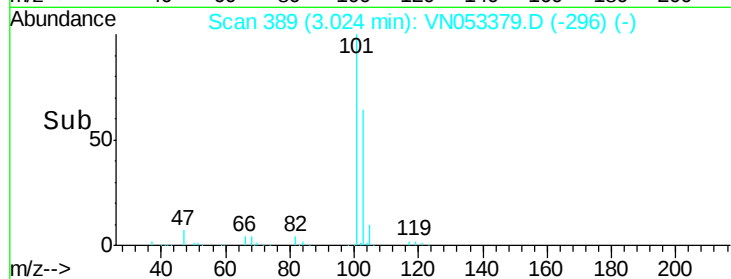
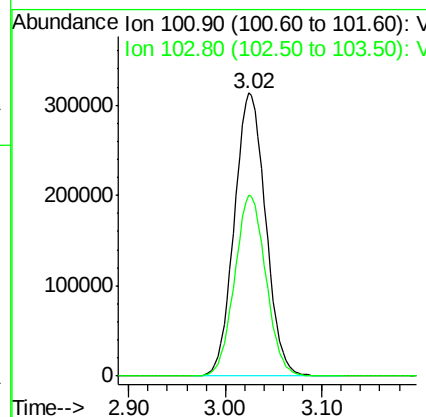
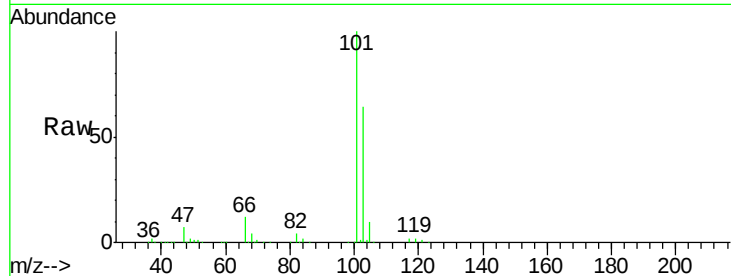
#7
 Trichlorofluoromethane
 Concen: 49.329 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

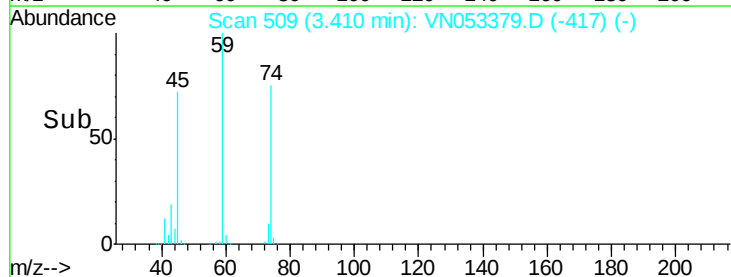
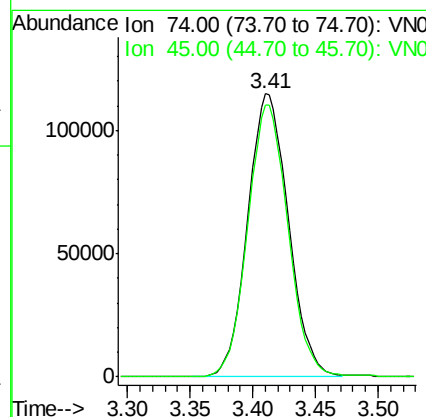
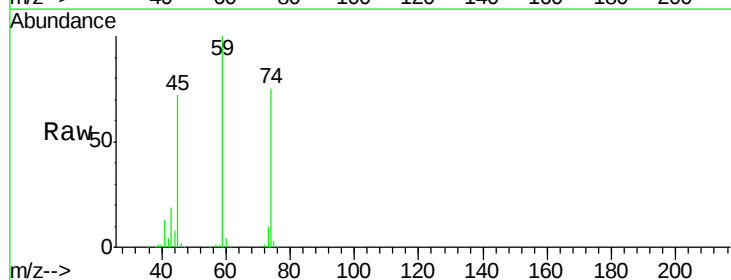
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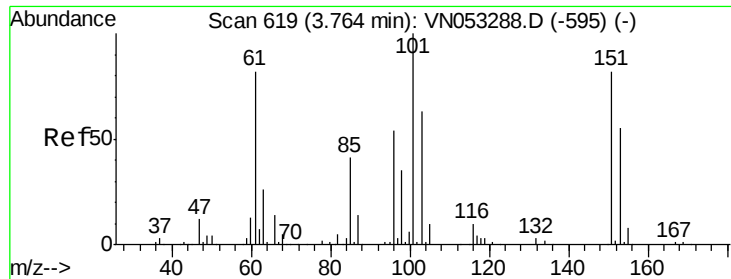
MMDadoda
 1/15/2019 11:14:01 AM



#8
 Diethyl Ether
 Concen: 46.145 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.3	144.9





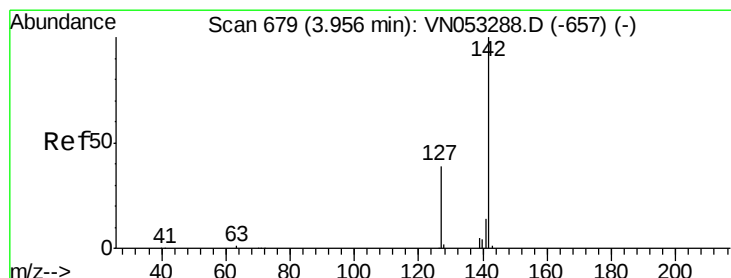
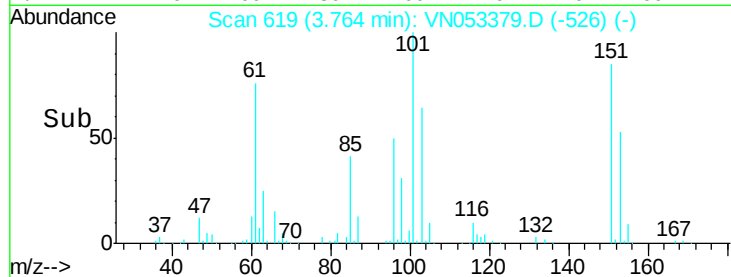
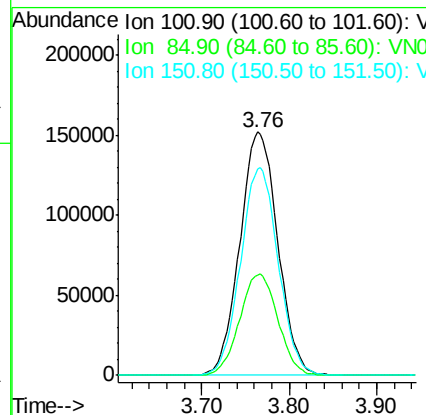
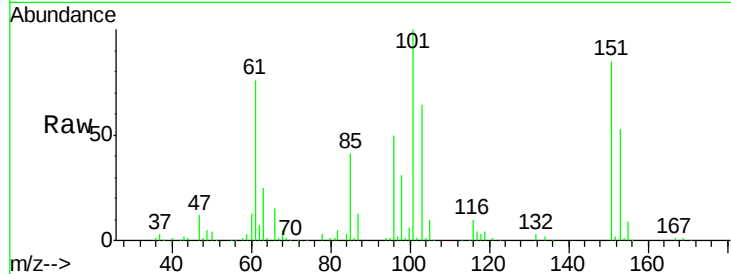
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.417 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	456800		
85	41.9	33.3	49.9	
151	84.9	67.0	100.4	

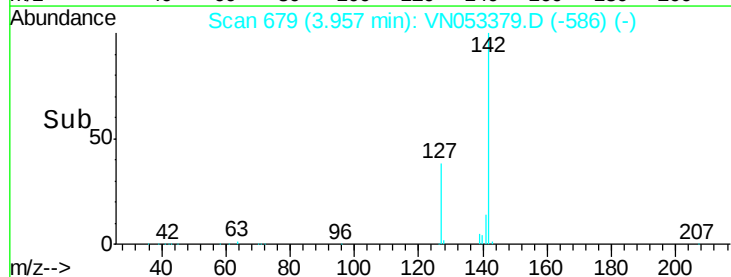
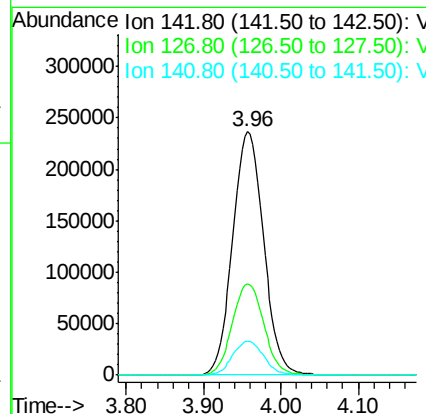
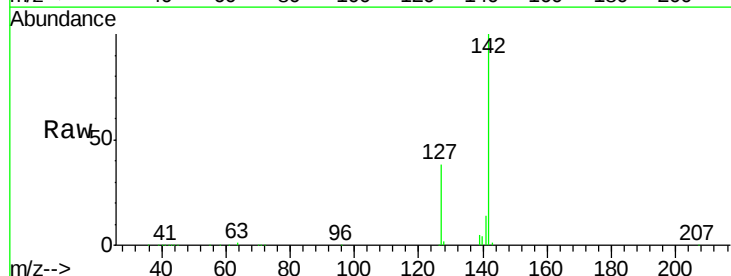
Manual Integrations
 APPROVED

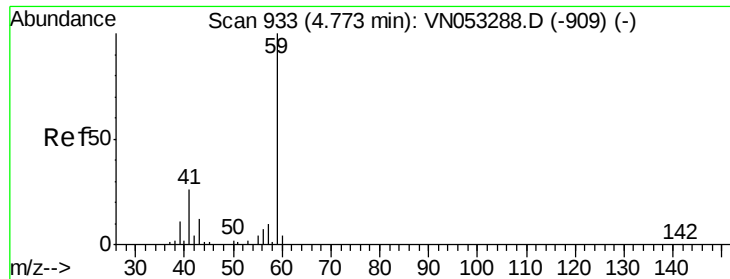
MMDadoda
 1/15/2019 11:14:01 AM



#10
 Methyl Iodide
 Concen: 51.704 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	656658		
127	38.2	30.9	46.3	
141	13.9	11.2	16.8	





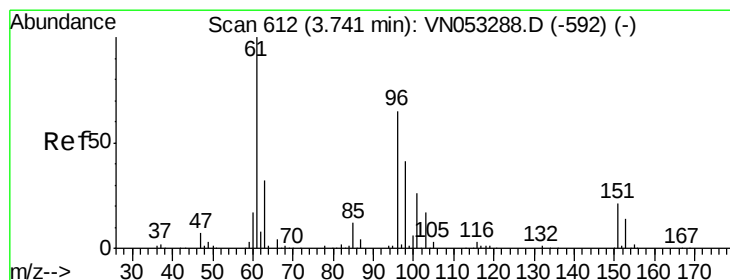
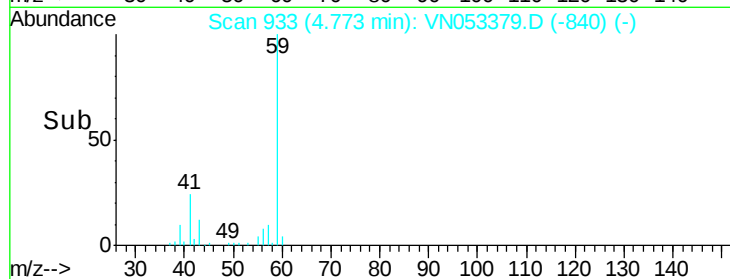
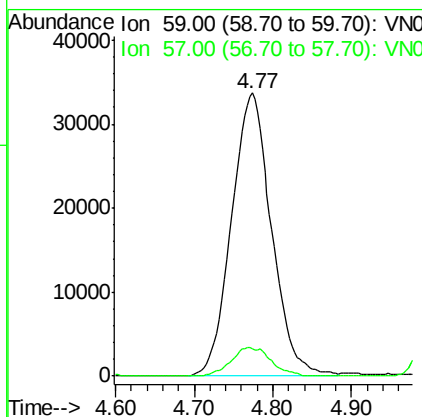
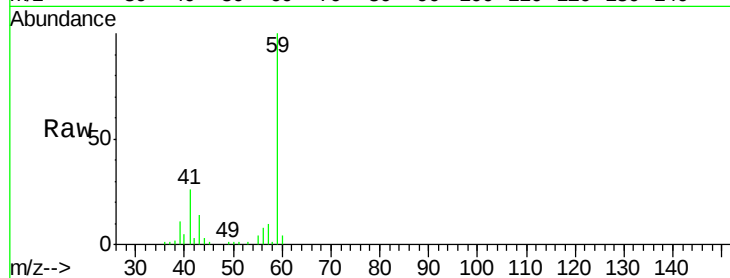
#11
Tert butyl alcohol
Concen: 203.895 ug/l
RT: 4.77 min Scan# 933
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	119841
Ion Ratio	100	Lower	Upper
57	10.1	8.0	12.0

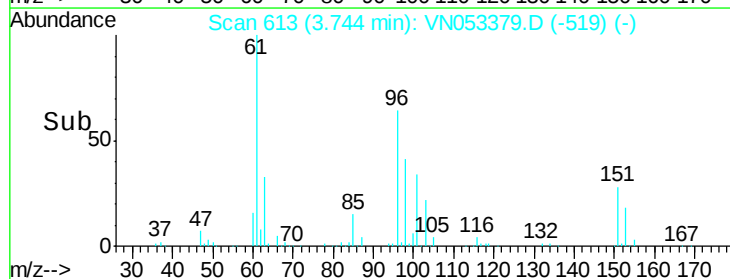
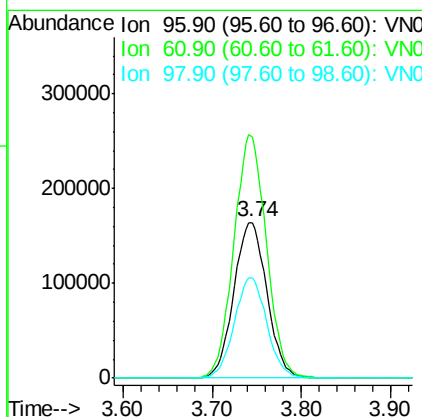
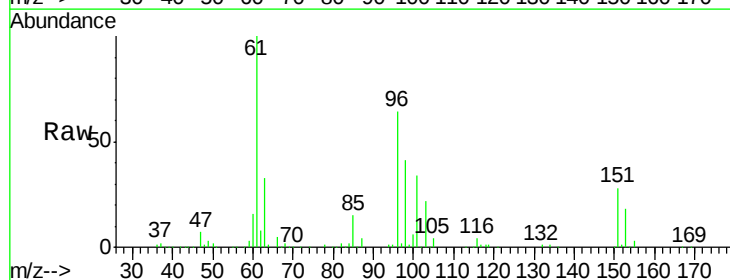
Manual Integrations
APPROVED

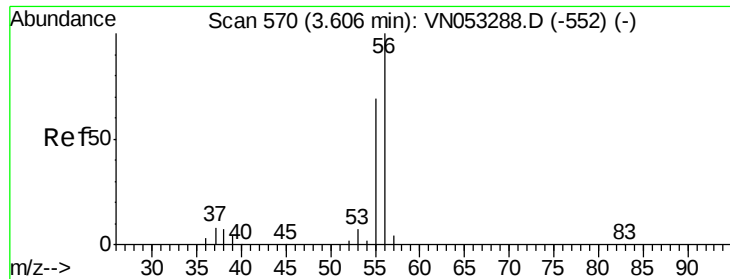
MMDadoda
1/15/2019 11:14:01 AM



#12
1,1-Dichloroethene
Concen: 48.298 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	96	Resp	423291
Ion Ratio	100	Lower	Upper
61	155.3	123.2	184.8
98	64.4	50.5	75.7





#13

Acrolein

Concen: 267.989 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 198046

Ion Ratio Lower Upper

56 100

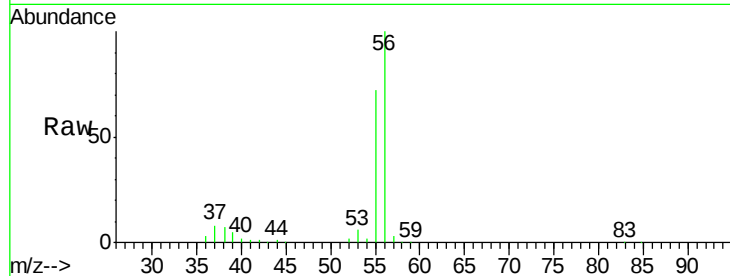
55 71.5 56.3 84.5

Manual Integrations

APPROVED

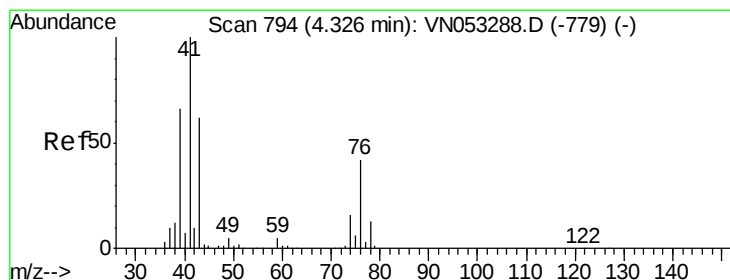
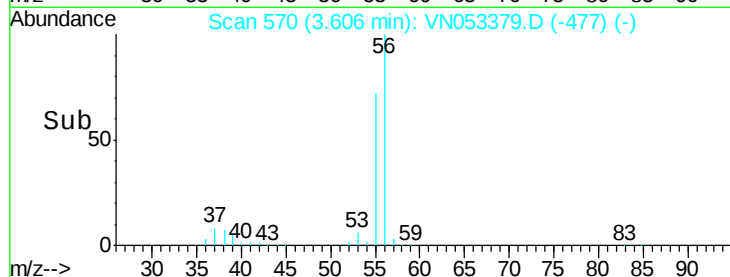
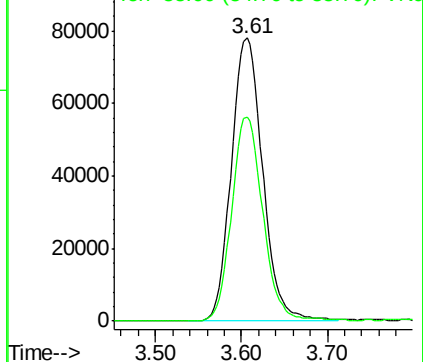
MMDadoda

1/15/2019 11:14:01 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.091 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

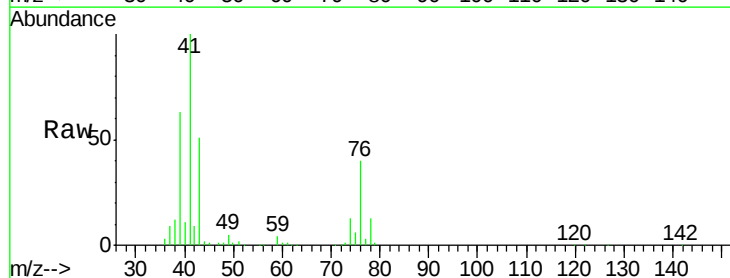
Tgt Ion: 41 Resp: 665174

Ion Ratio Lower Upper

41 100

39 65.4 51.9 77.9

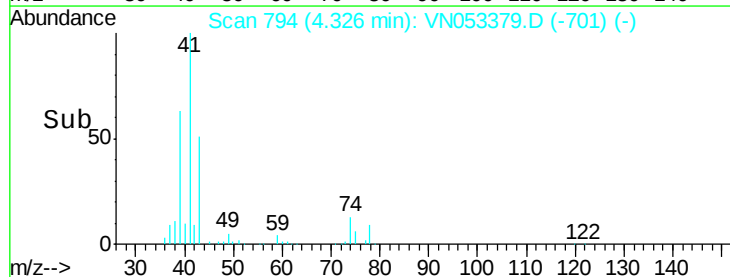
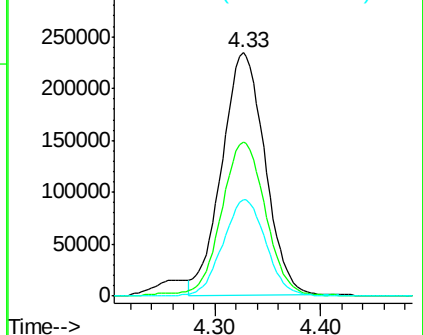
76 39.1 31.2 46.8

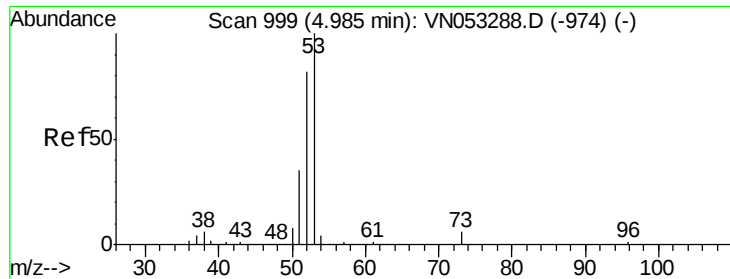


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





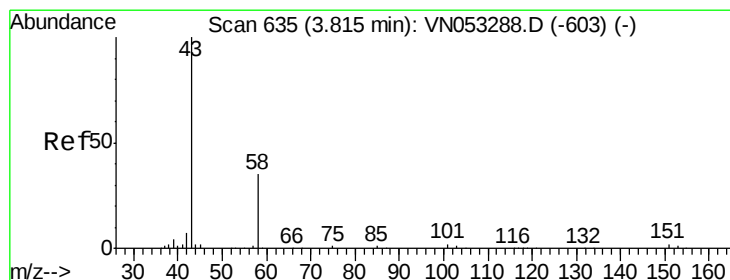
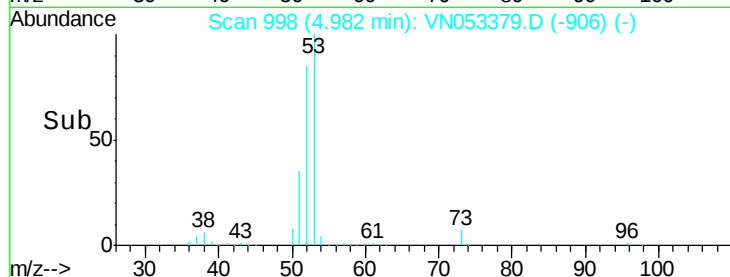
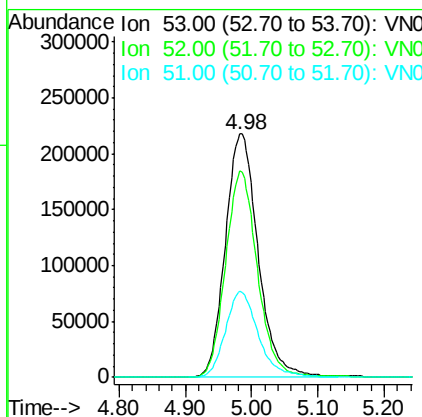
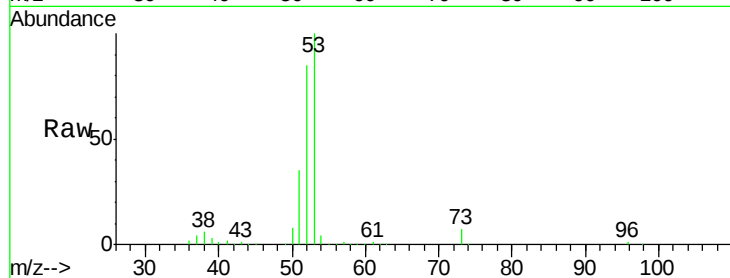
#15
 Acrylonitrile
 Concen: 213.478 ug/l
 RT: 4.98 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.2	97.8
51	35.7	28.0	42.0

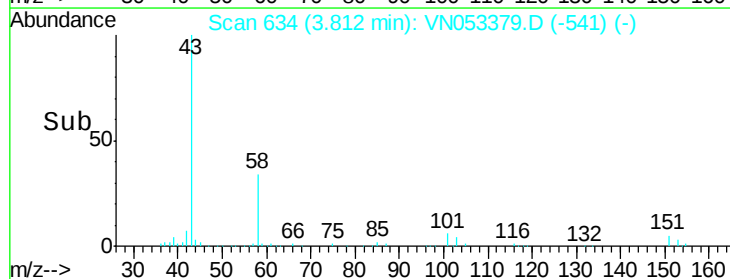
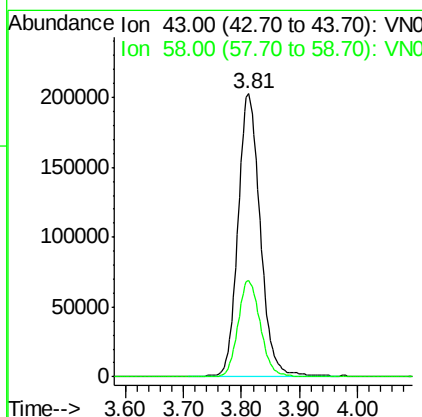
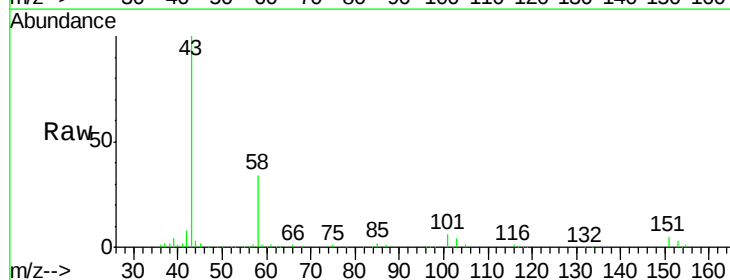
Manual Integrations
 APPROVED

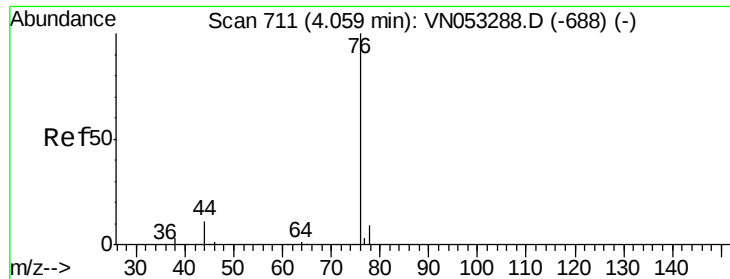
MMDadoda
 1/15/2019 11:14:01 AM



#16
 Acetone
 Concen: 231.075 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.8	41.6





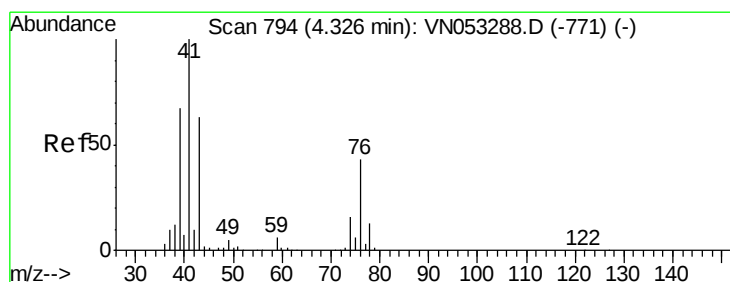
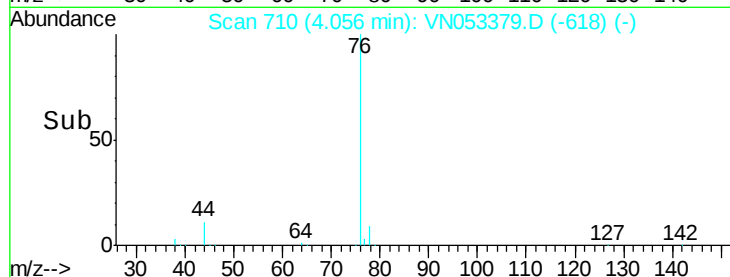
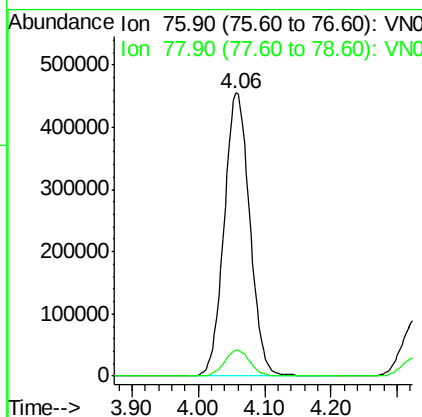
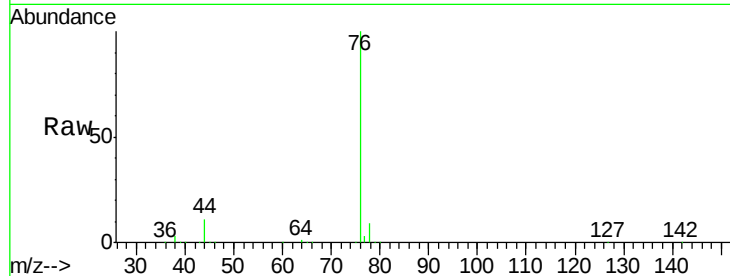
#17
Carbon Disulfide
Concen: 45.232 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1222163
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

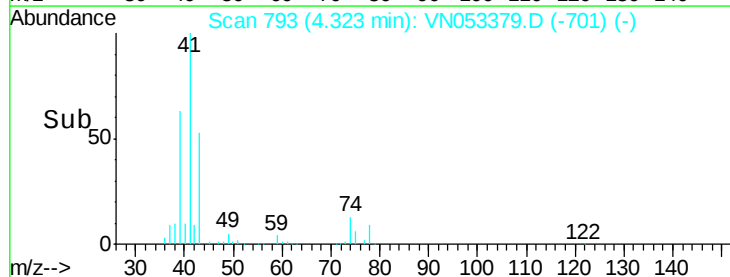
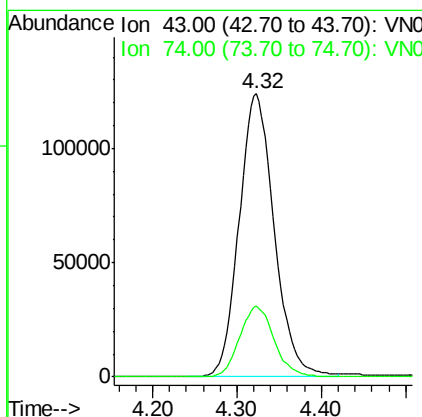
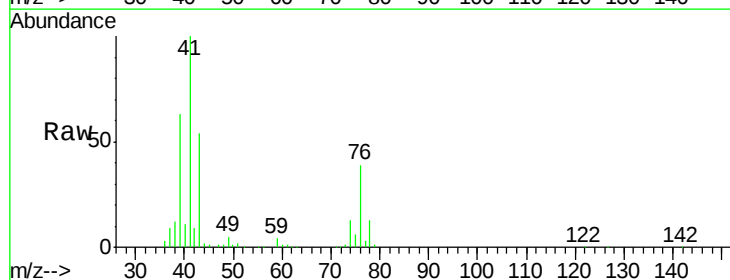
Manual Integrations
APPROVED

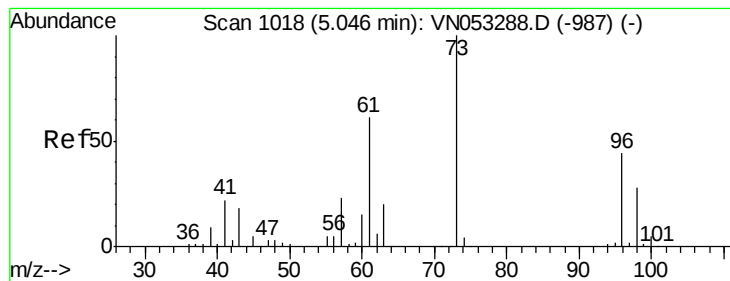
MMDadoda
1/15/2019 11:14:01 AM



#18
Methyl Acetate
Concen: 40.326 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion: 43 Resp: 356644
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8





#19

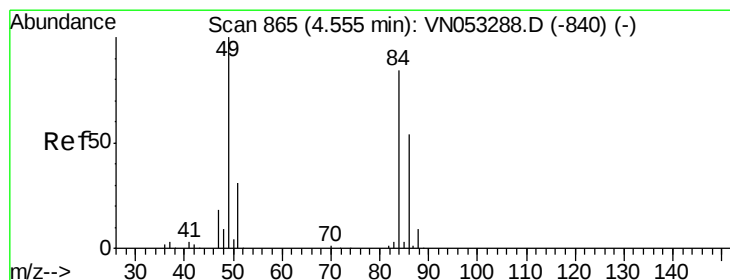
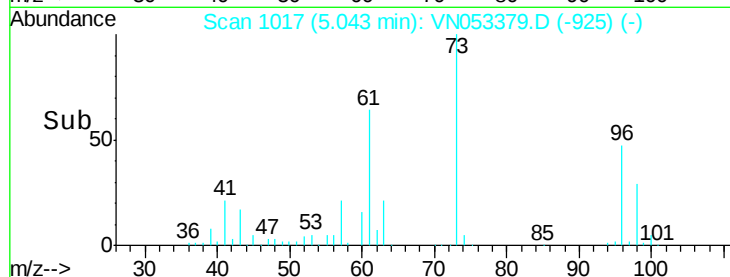
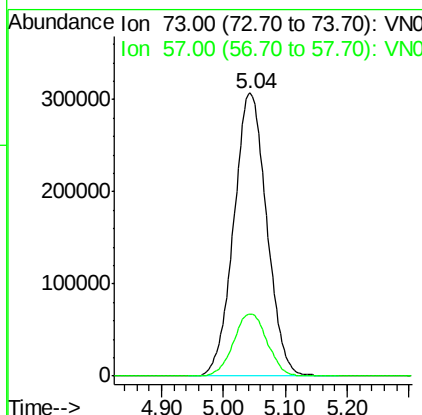
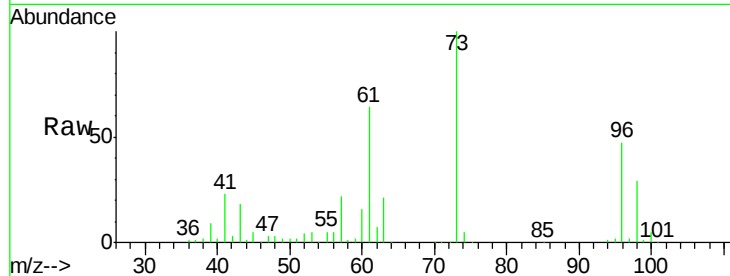
Methyl tert-butyl Ether
 Concen: 46.169 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 73 Resp: 1135612
 Ion Ratio Lower Upper
 73 100
 57 22.0 18.5 27.7

Manual Integrations
 APPROVED

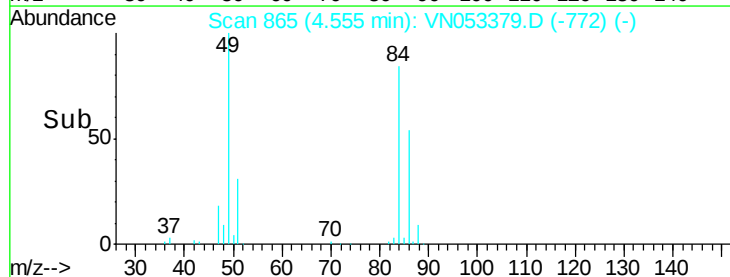
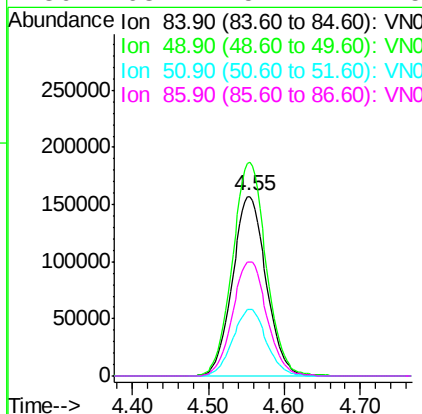
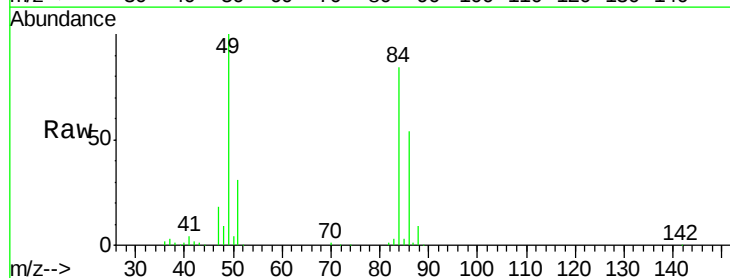
MMDadoda
 1/15/2019 11:14:01 AM

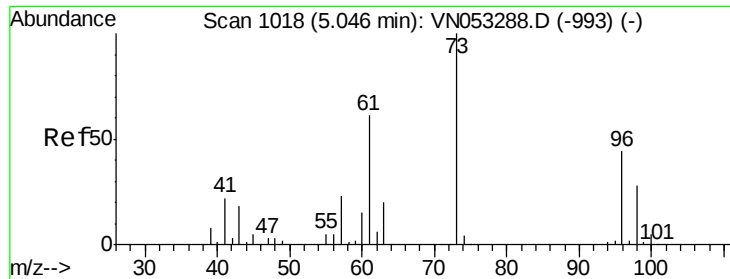


#20

Methylene Chloride
 Concen: 46.074 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion: 84 Resp: 483559
 Ion Ratio Lower Upper
 84 100
 49 118.9 95.3 142.9
 51 37.4 29.0 43.6
 86 63.7 51.7 77.5





#21

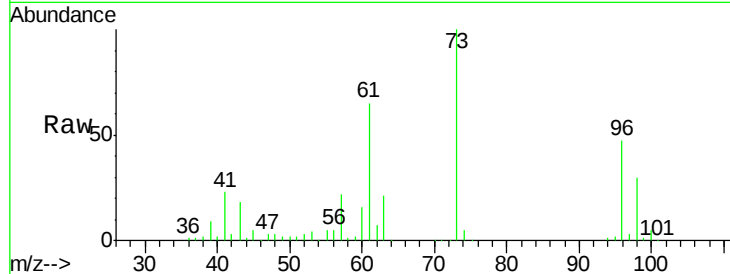
trans-1,2-Dichloroethene
Concen: 48.079 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.1	110.2	165.4
98	62.6	50.7	76.1

Manual Integrations
APPROVED

MMDadoda
1/15/2019 11:14:01 AM

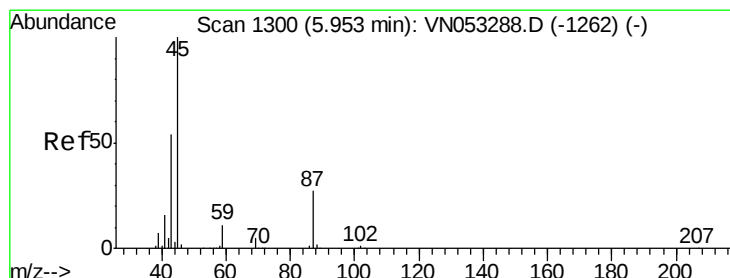
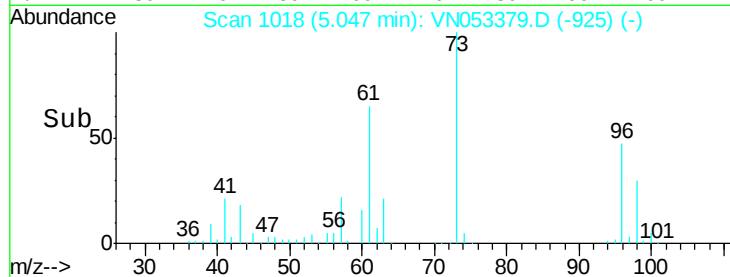
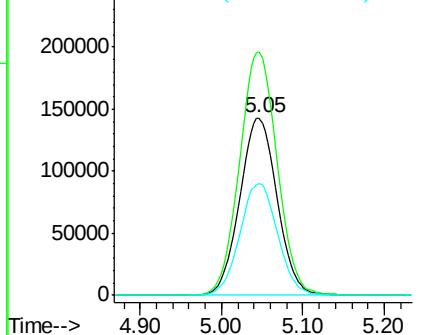


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether
Concen: 49.353 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.0	64.6
87	28.0	22.1	33.1
59	12.0	9.0	13.4

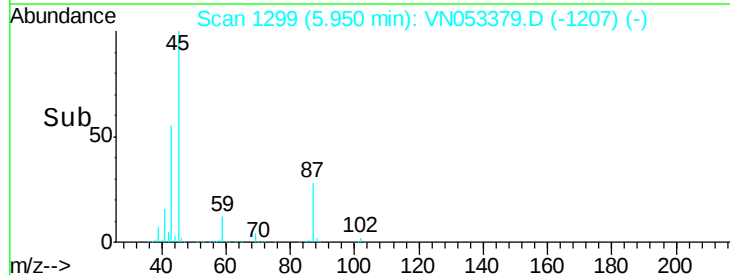
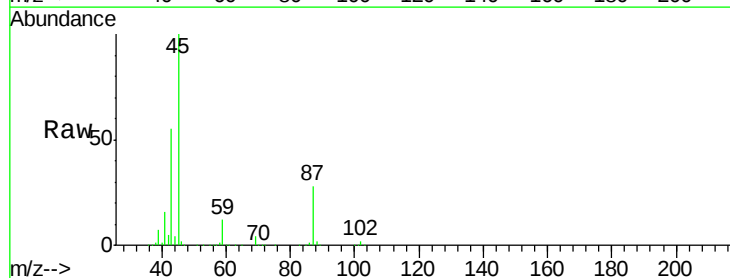
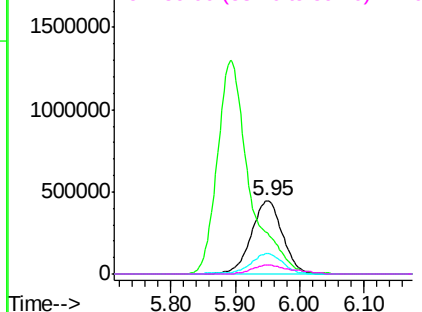
Abundance

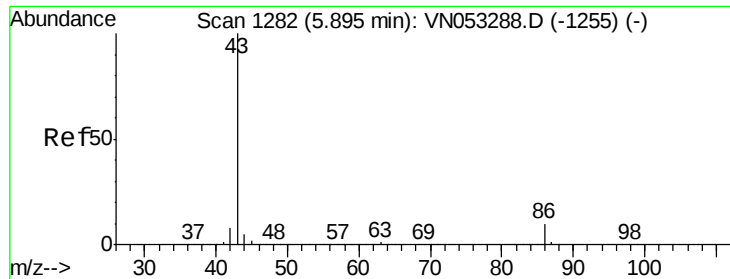
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 234.531 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 4490572

Ion Ratio Lower Upper

43 100

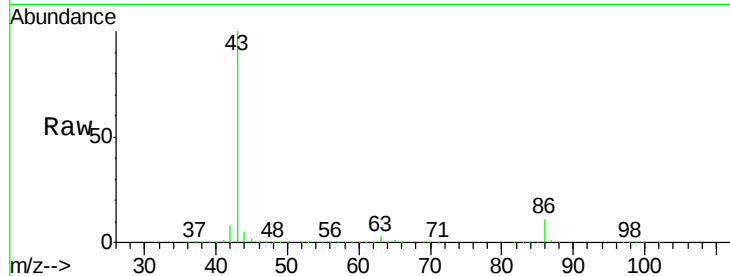
86 10.6 8.4 12.6

Manual Integrations

APPROVED

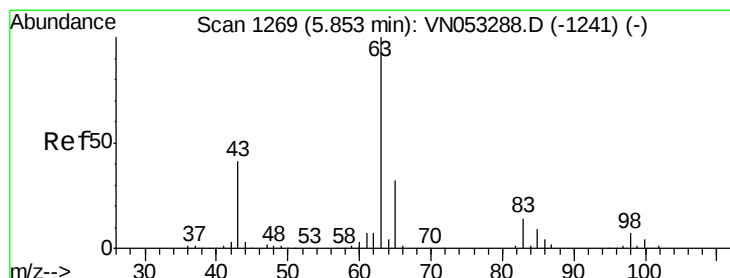
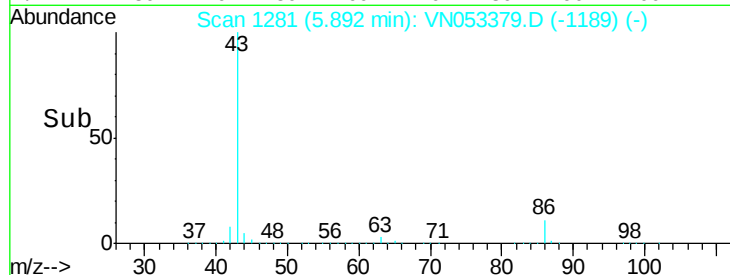
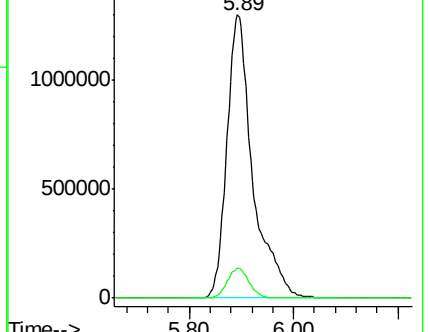
MMDadoda

1/15/2019 11:14:01 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.936 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

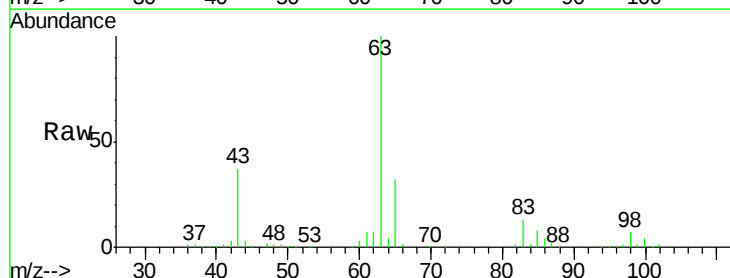
Tgt Ion: 63 Resp: 858851

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

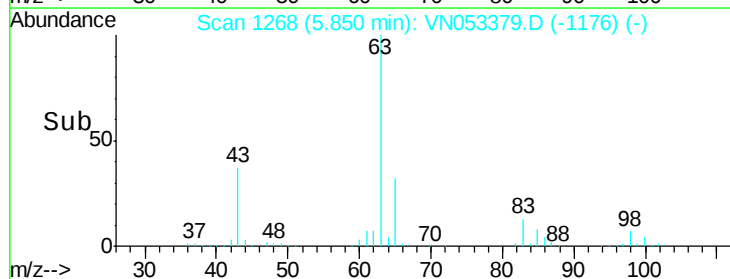
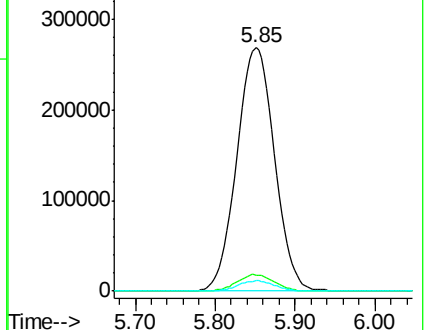
100 4.2 2.1 6.5

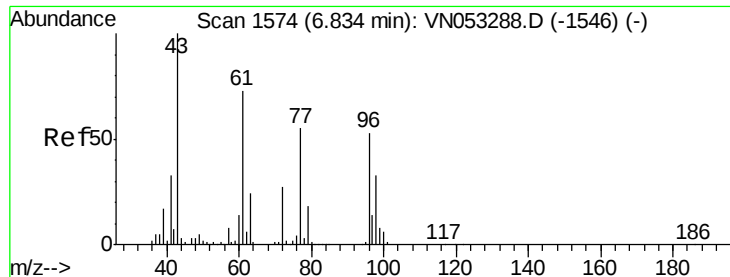


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 214.542 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 860107

Ion Ratio Lower Upper

43 100

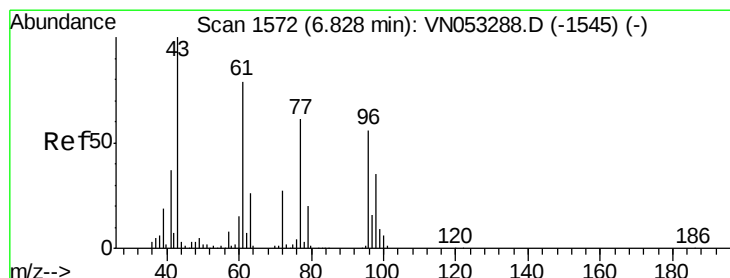
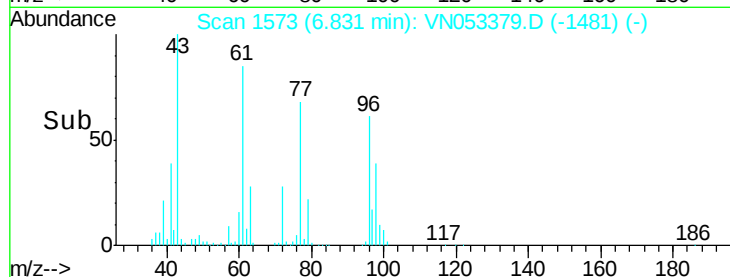
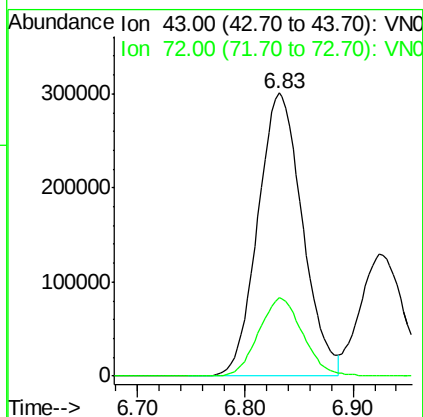
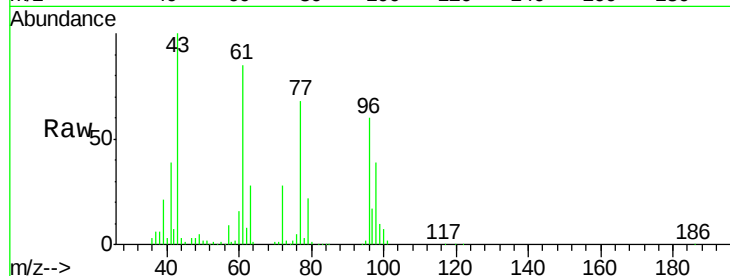
72 27.6 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 52.426 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053379.D

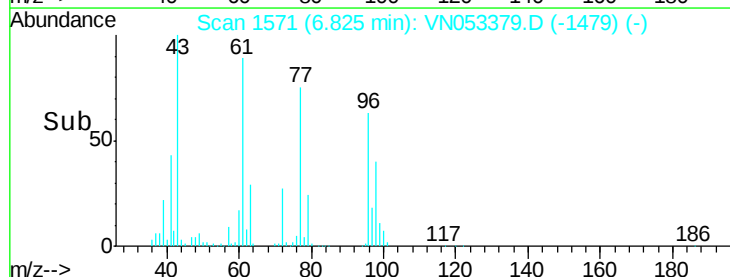
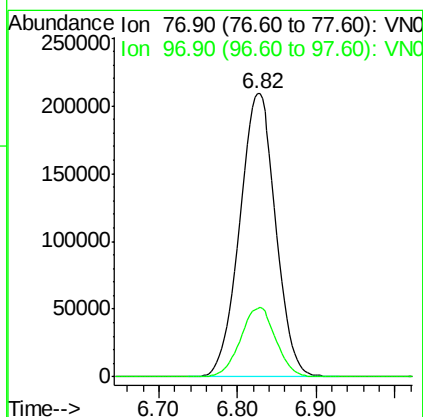
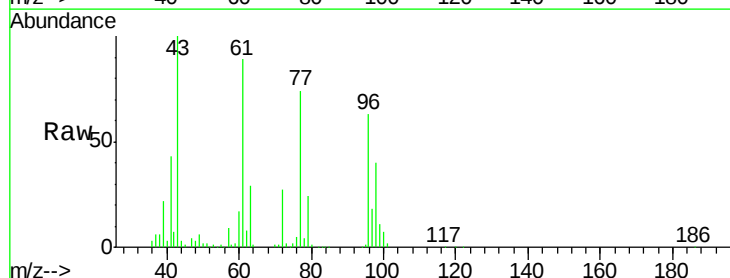
Acq: 14 Jan 2019 9:31

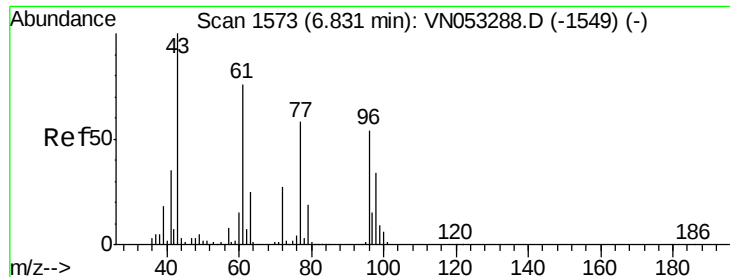
Tgt Ion: 77 Resp: 672597

Ion Ratio Lower Upper

77 100

97 24.2 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 48.965 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053379.D

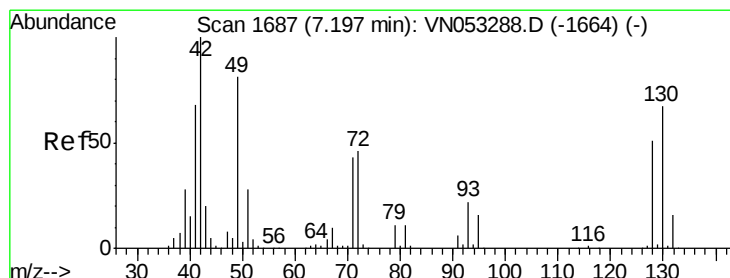
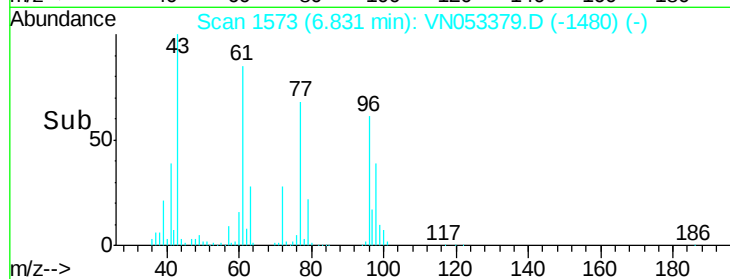
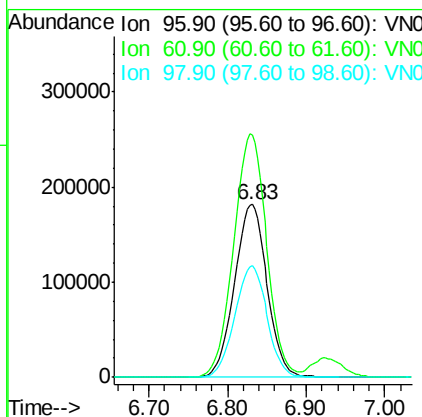
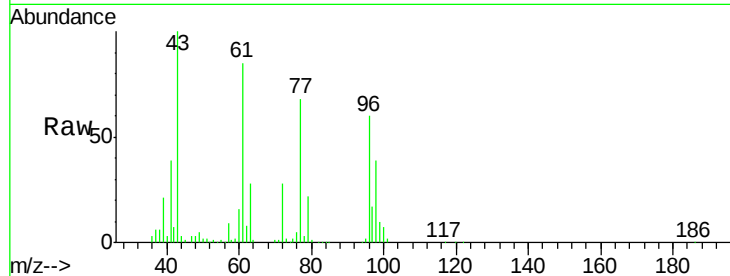
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	526183		
61	142.6		0.0	280.6
98	64.4		0.0	127.6

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#28

Bromochloromethane

Concen: 47.675 ug/l

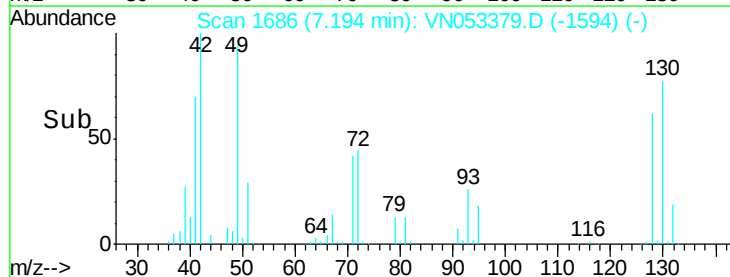
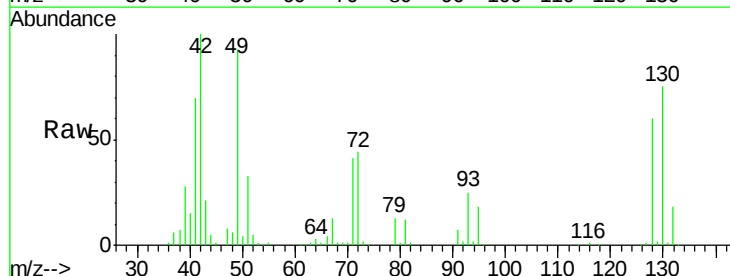
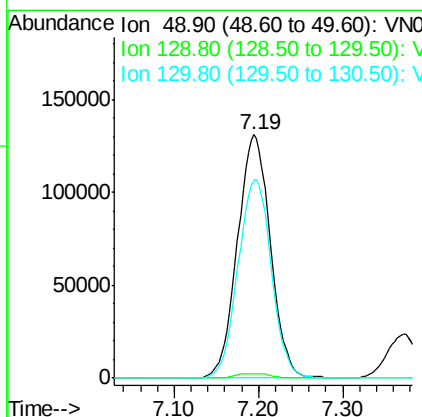
RT: 7.19 min Scan# 1686

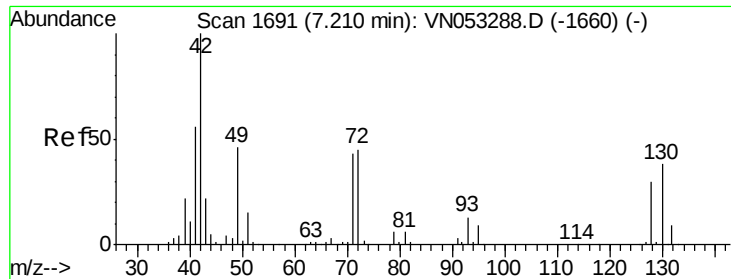
Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	356562		
129	1.0		0.0	3.8
130	82.7		65.4	98.0





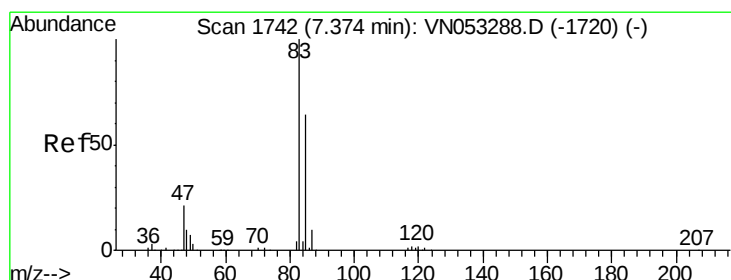
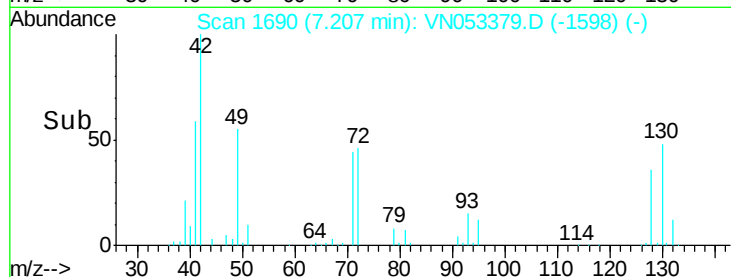
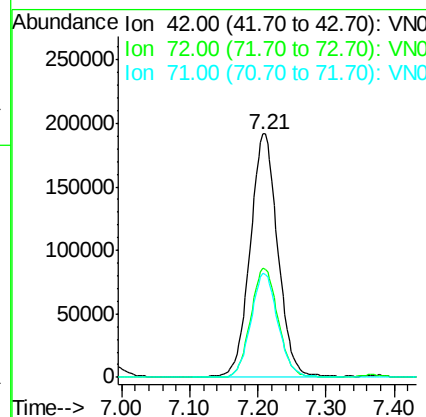
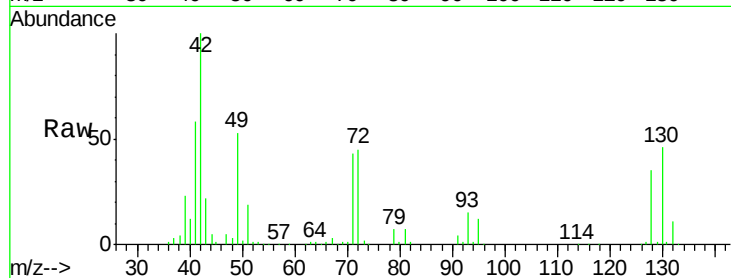
#29
Tetrahydrofuran
Concen: 203.654 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	35.6	53.4
71	41.9	33.8	50.8

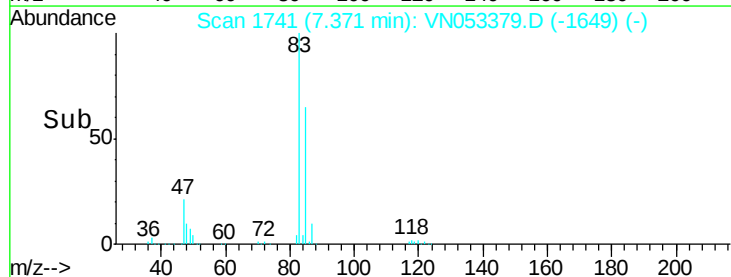
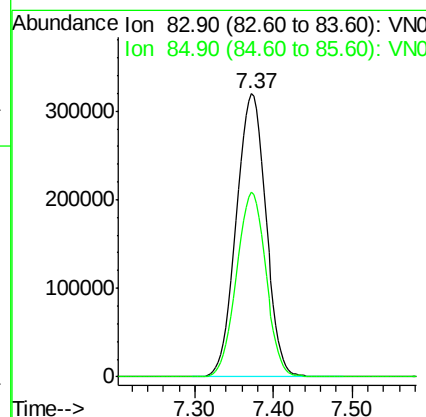
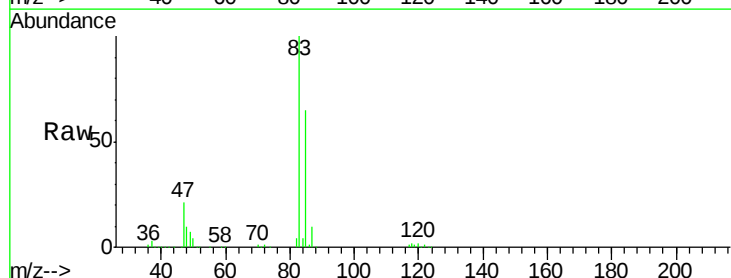
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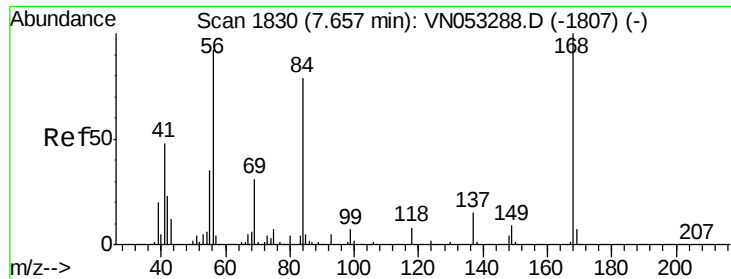
MMDadoda
1/15/2019 11:14:01 AM



#30
Chloroform
Concen: 48.854 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.3	76.9





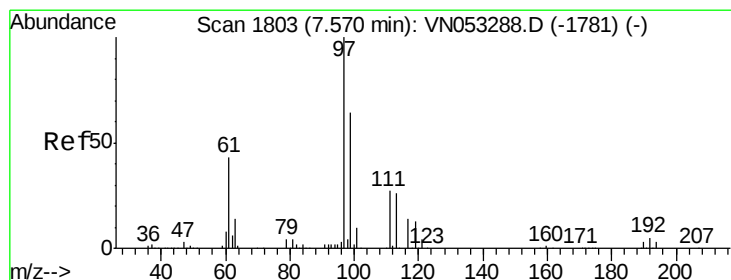
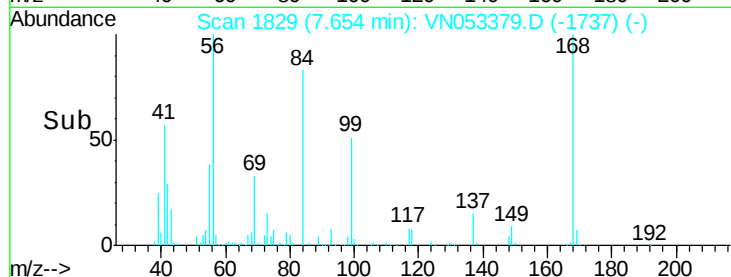
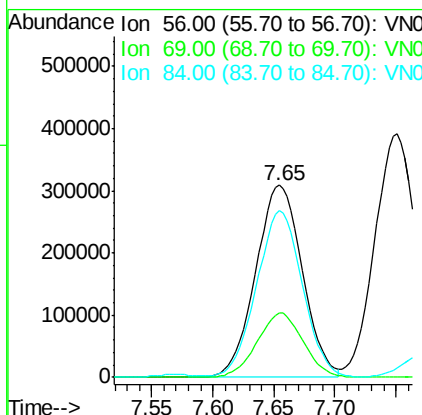
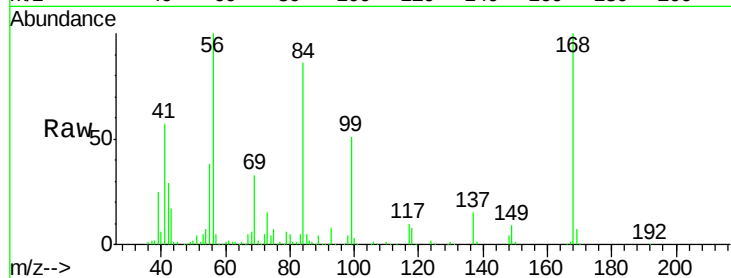
#31
Cyclohexane
Concen: 49.191 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	26.7	40.1
84	85.4	68.2	102.4

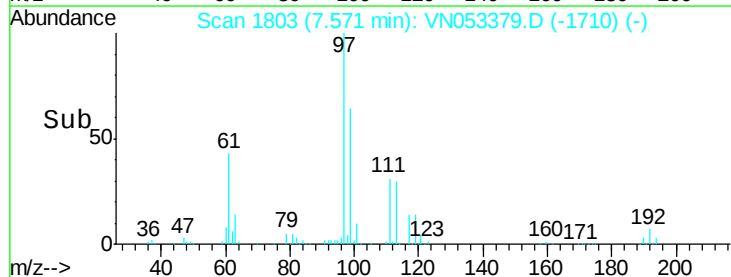
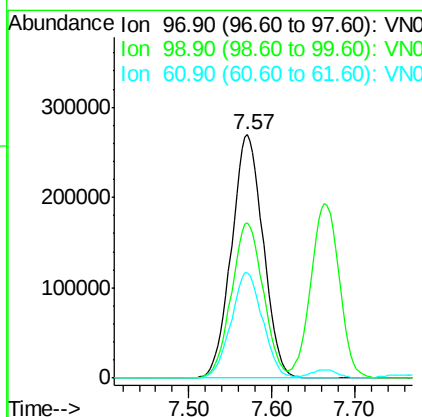
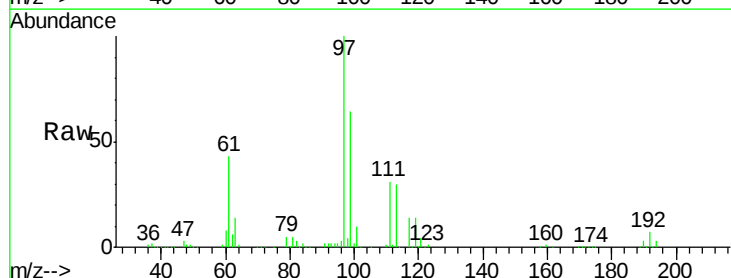
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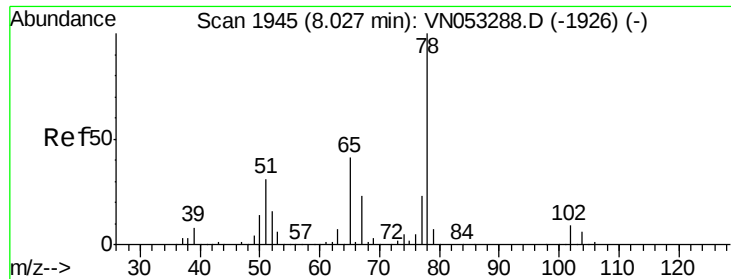
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#32
1,1,1-Trichloroethane
Concen: 49.798 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	43.1	34.6	52.0





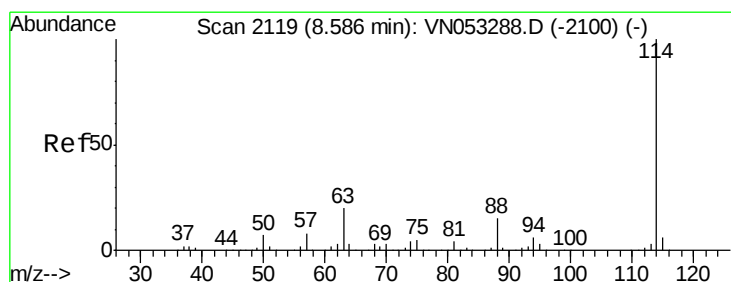
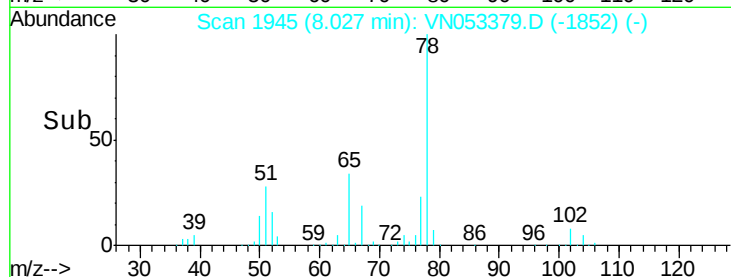
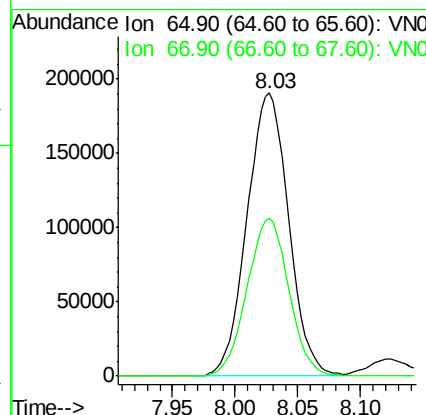
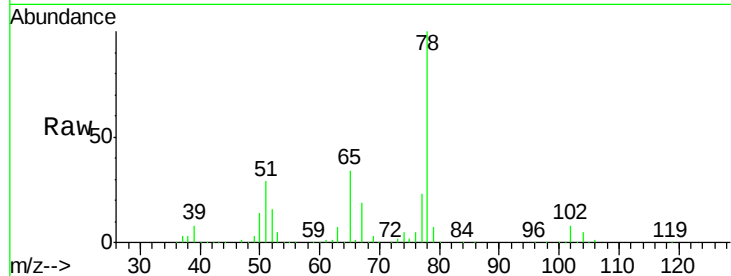
#33
 1,2-Dichloroethane-d4
 Concen: 49.798 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 441394
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 111.0

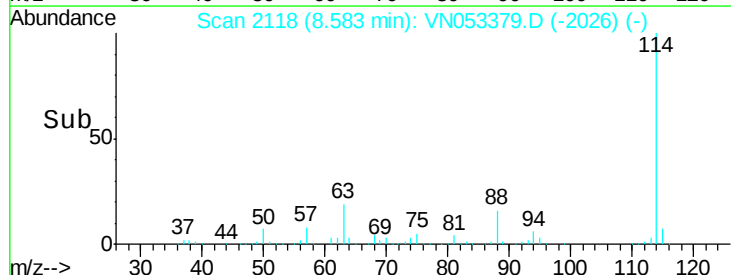
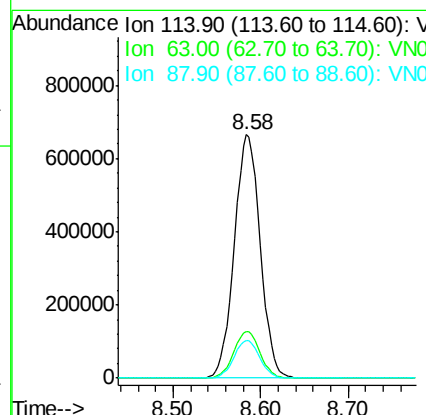
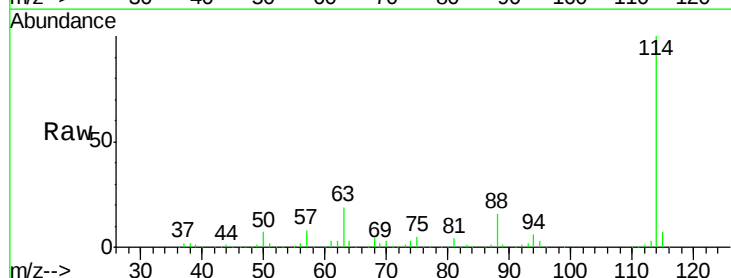
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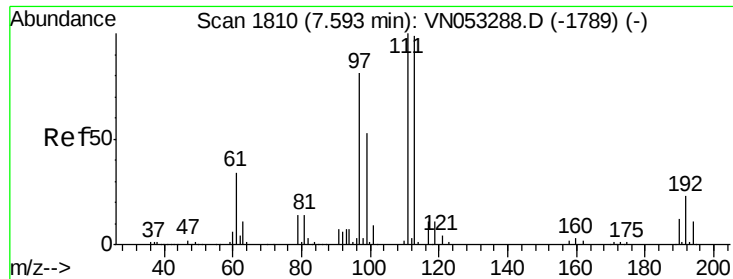
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion: 114 Resp: 1365036
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.0
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

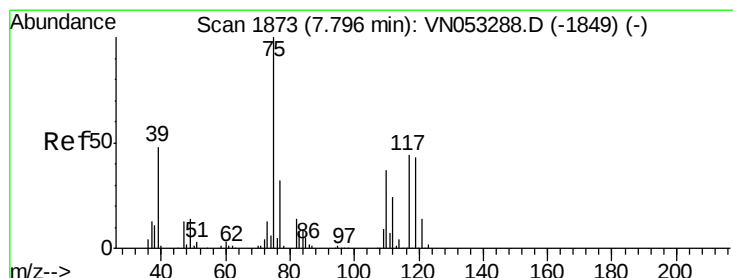
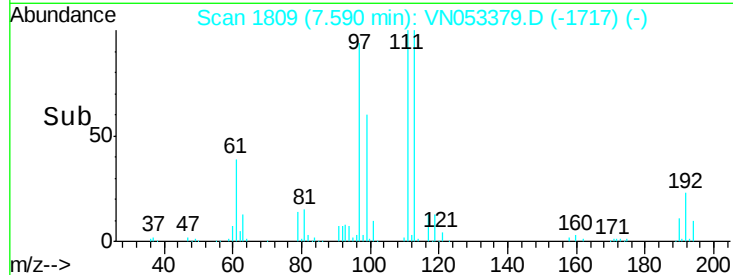
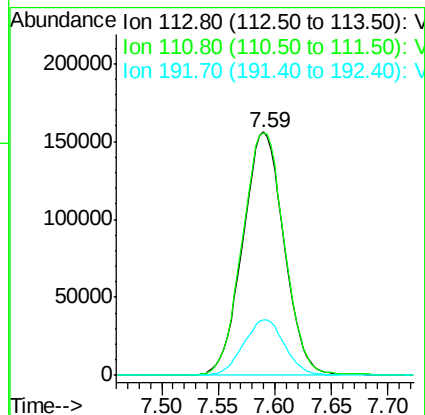
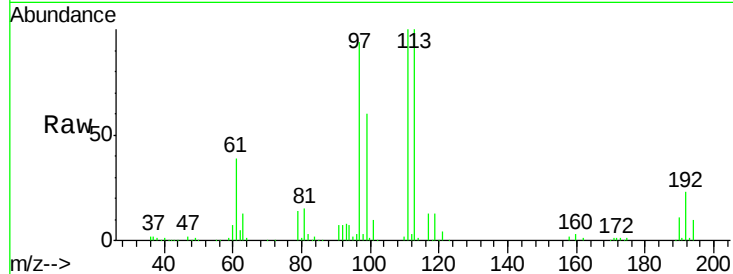
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	394762
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.2
192	22.8	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 52.580 ug/l

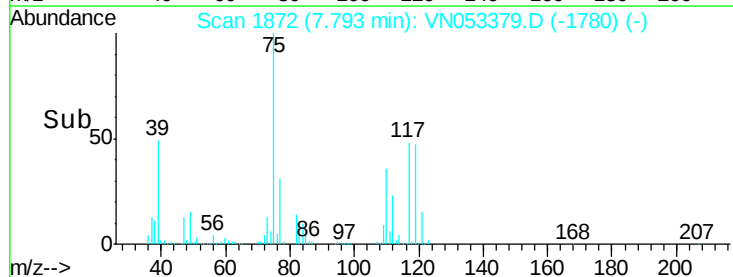
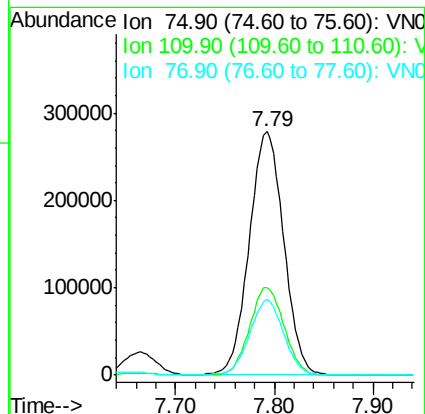
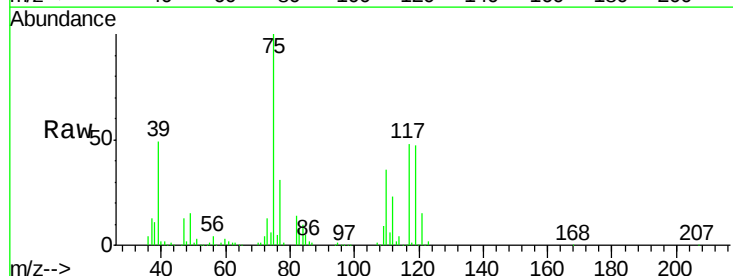
RT: 7.79 min Scan# 1872

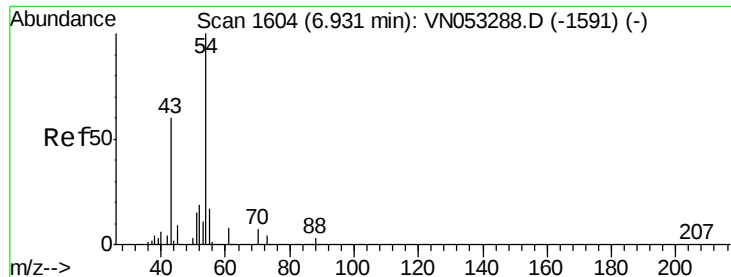
Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Tgt Ion:	75	Resp:	670050
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.4	55.0
77	30.8	25.3	37.9





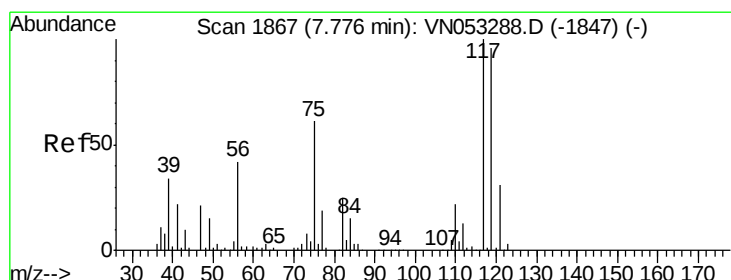
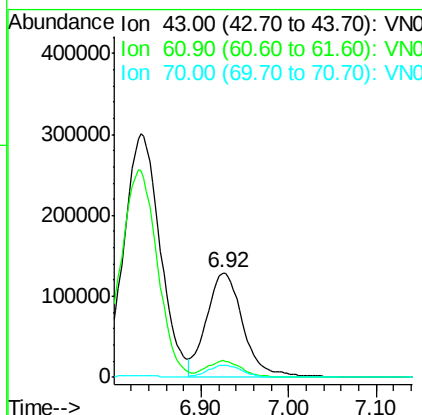
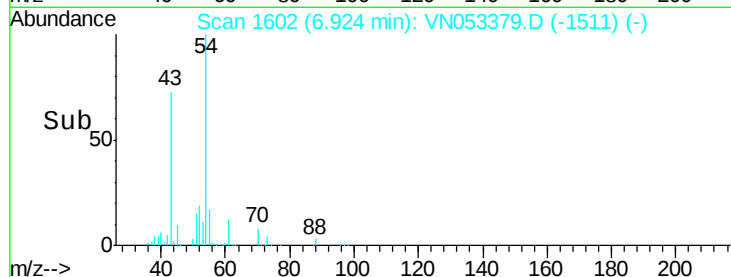
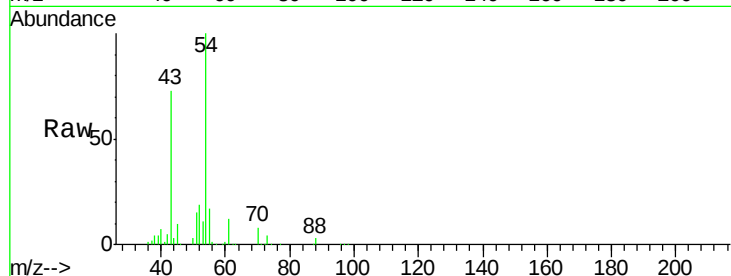
#37
Ethyl Acetate
Concen: 44.599 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.9		11.9	17.9
70	10.7		8.6	13.0

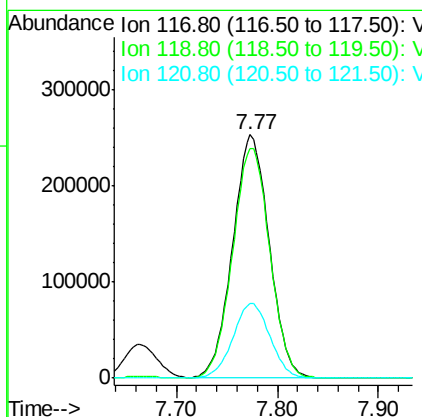
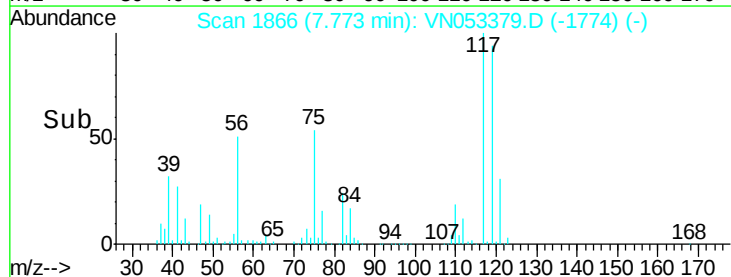
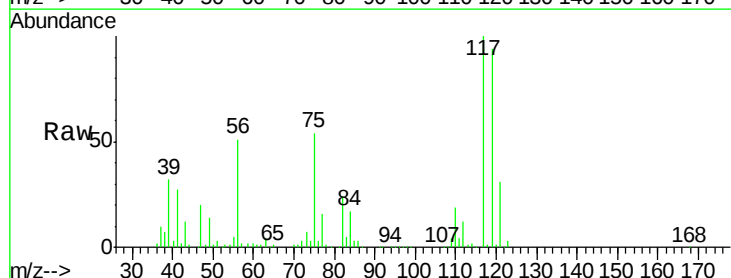
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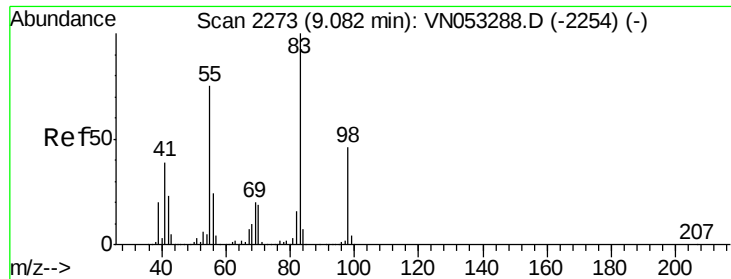
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#38
Carbon Tetrachloride
Concen: 53.934 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.4		76.6	115.0
121	30.7		25.0	37.4





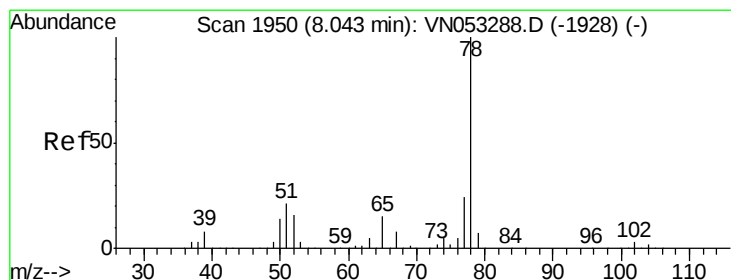
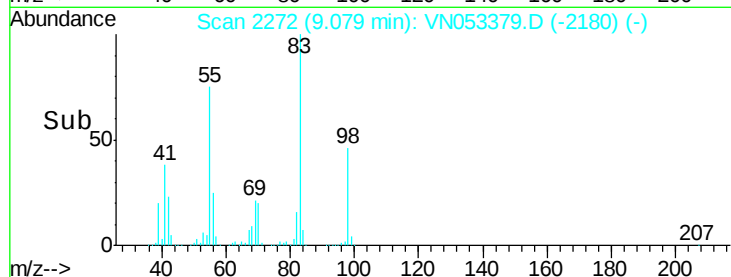
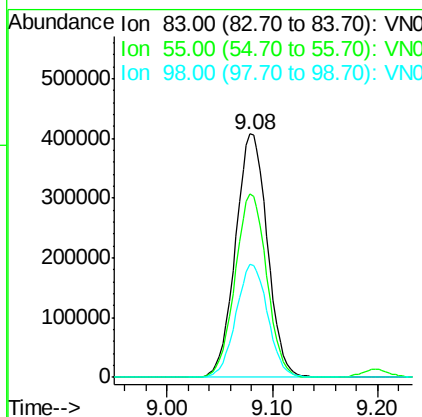
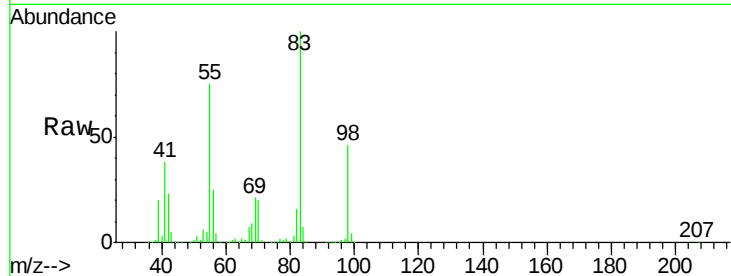
#39
Methvlcvclohexane
Concen: 57.879 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	854499		
55	75.2		60.1	90.1
98	46.2		36.7	55.1

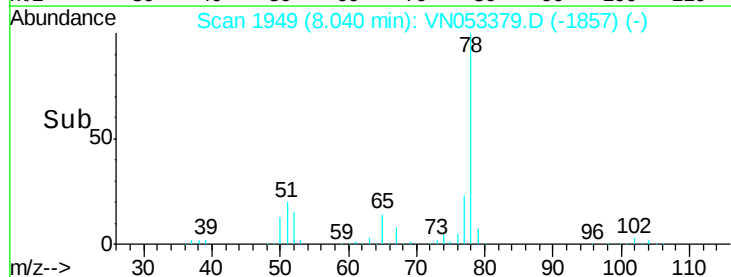
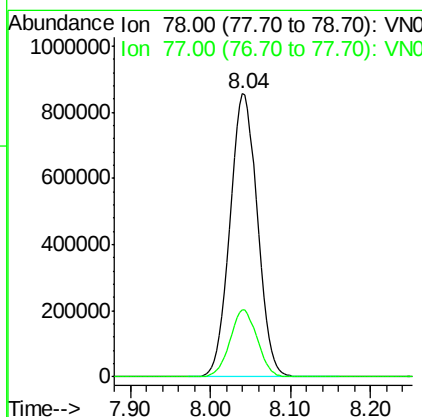
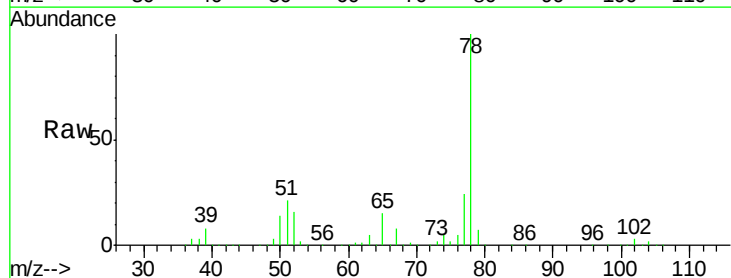
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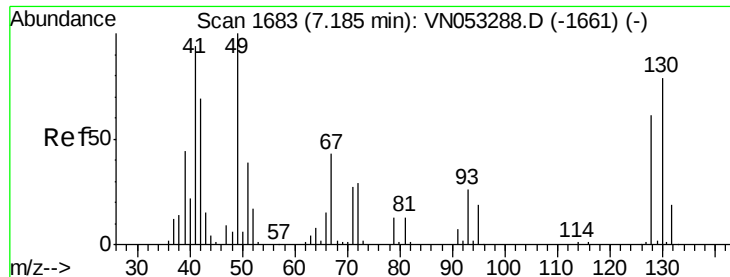
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#40
Benzene
Concen: 51.177 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1992159		
77	23.7		19.0	28.4





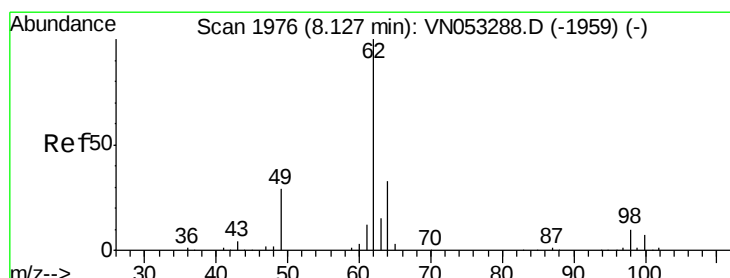
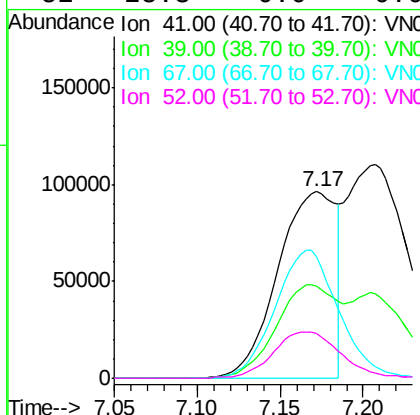
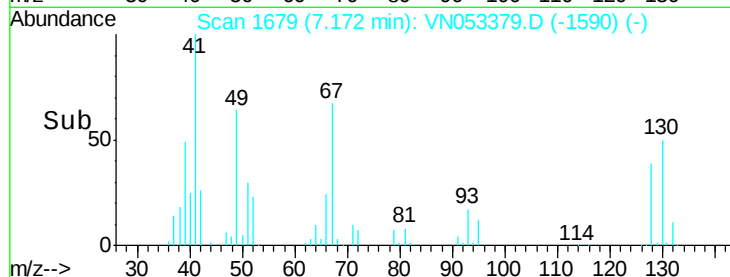
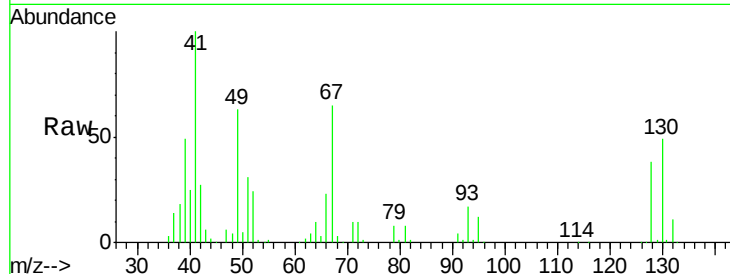
#41
Methacrylonitrile
Concen: 45.527 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.2	0.0	0.0#		
67	75.8	0.0	0.0#		
52	28.3	0.0	0.0#		

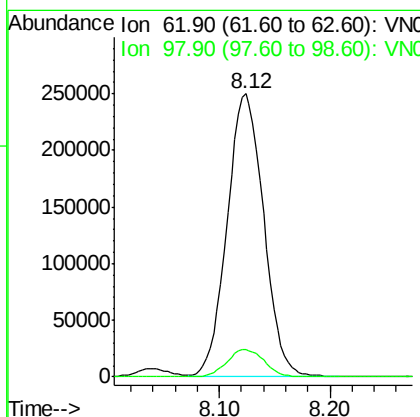
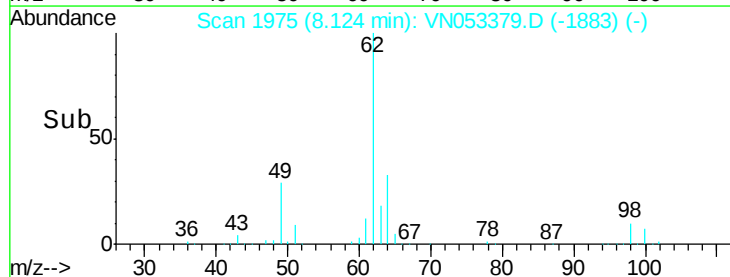
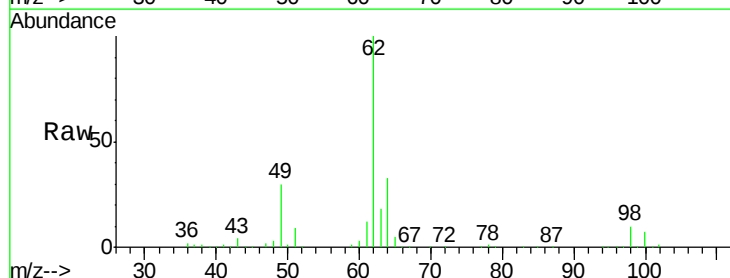
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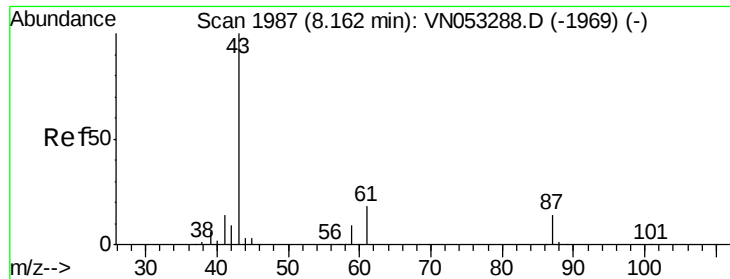
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#42
1,2-Dichloroethane
Concen: 49.571 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	0.0	20.2		





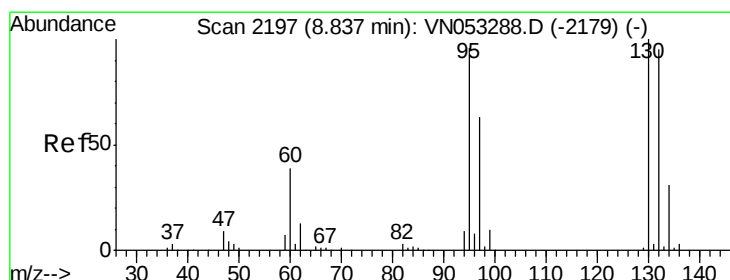
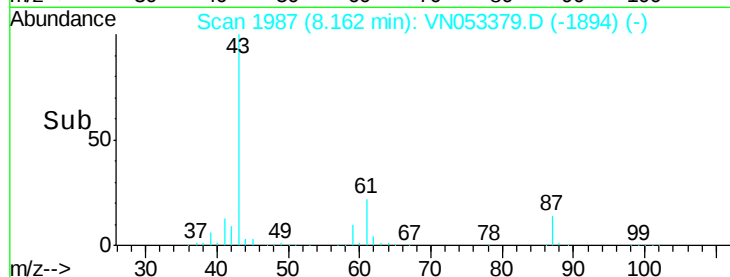
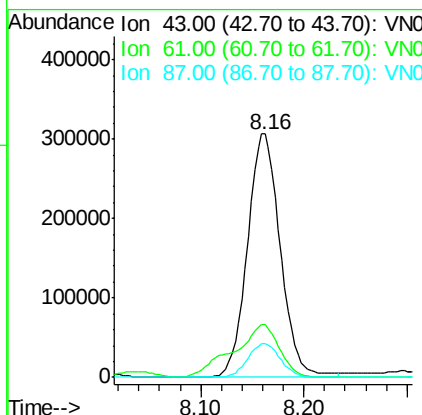
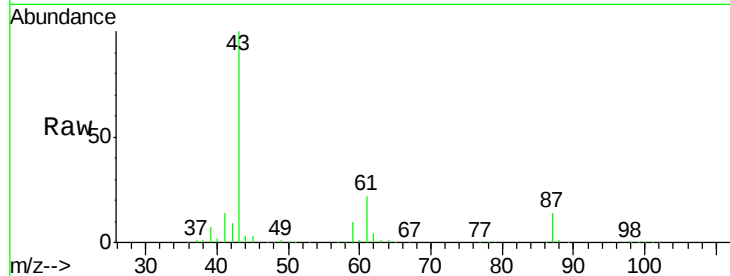
#43
Isopropyl Acetate
Concen: 41.368 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.3	34.9
87	13.8	10.8	16.2

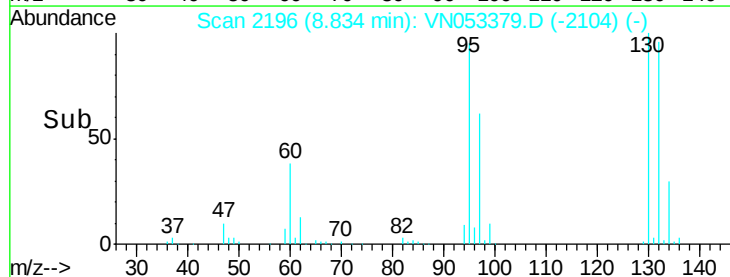
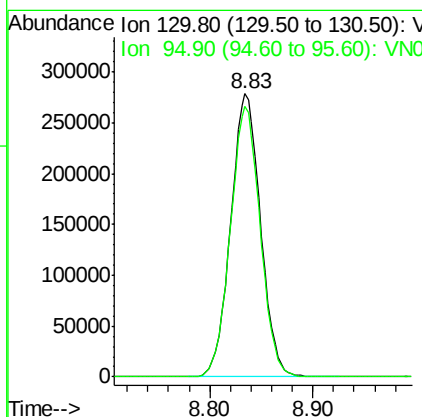
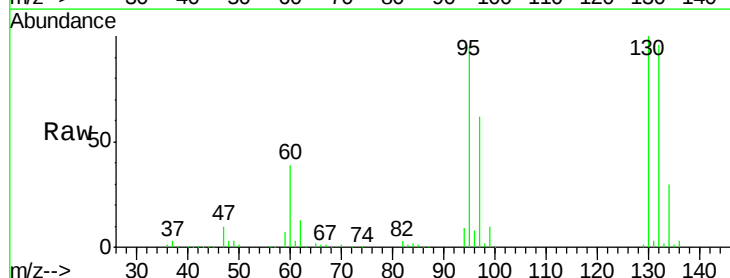
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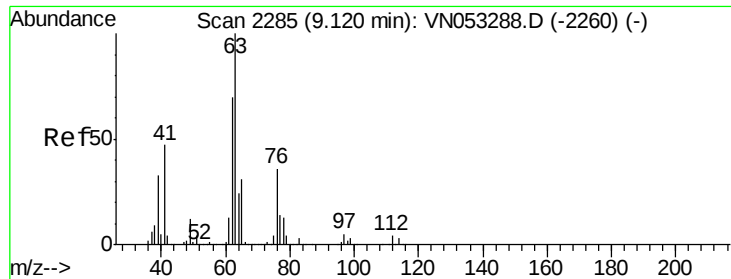
MMDadoda
1/15/2019 11:14:01 AM



#44
Trichloroethene
Concen: 52.411 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	191.8





#45

1,2-Dichloropropane

Concen: 52.269 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 533644

Ion Ratio Lower Upper

63 100

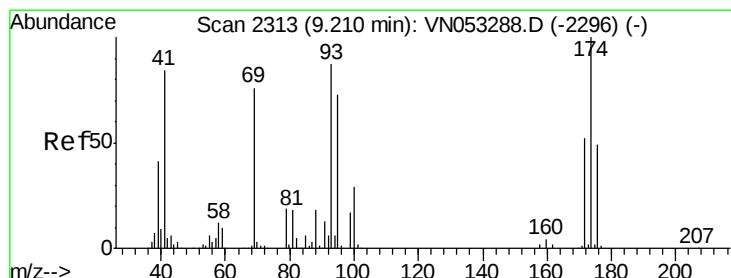
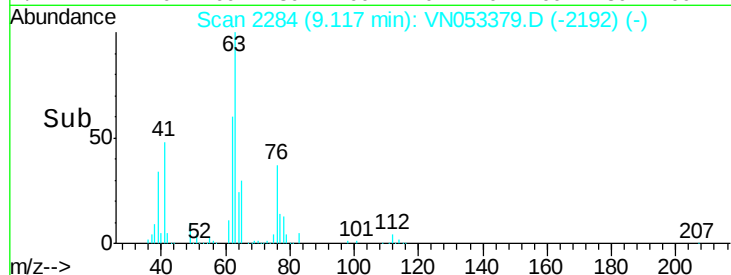
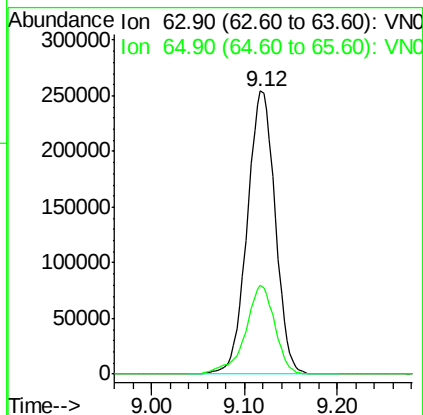
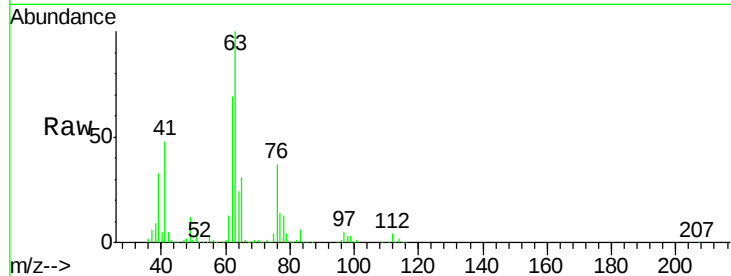
65 31.3 25.0 37.6

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#46

Dibromomethane

Concen: 49.615 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

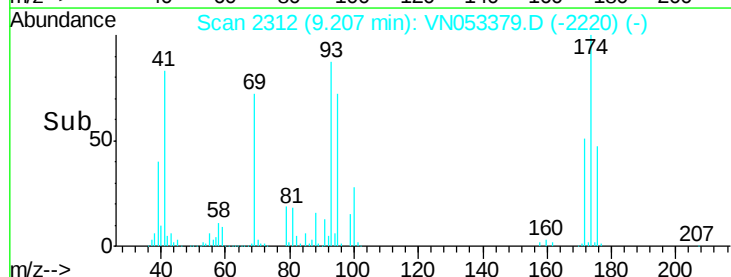
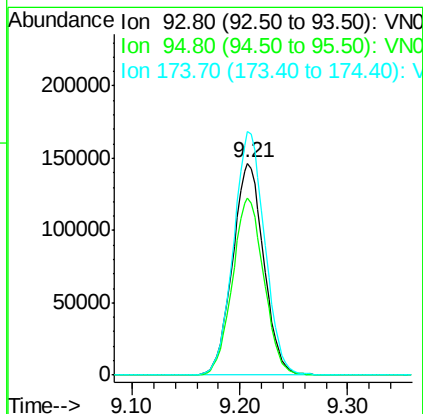
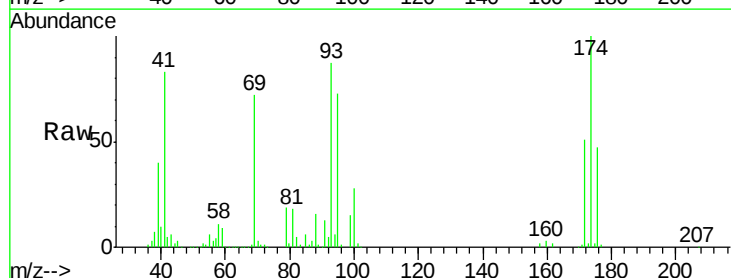
Tgt Ion: 93 Resp: 295347

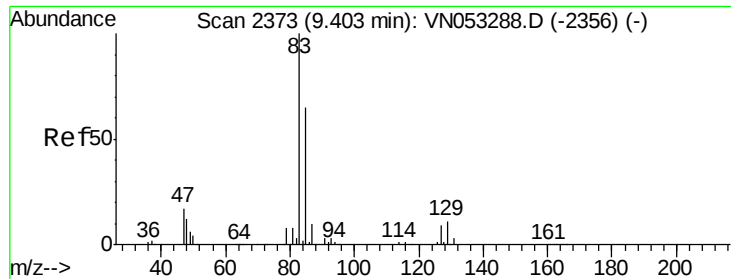
Ion Ratio Lower Upper

93 100

95 84.2 66.6 100.0

174 115.2 91.4 137.0





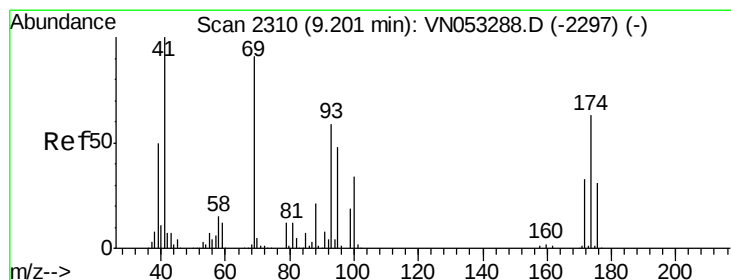
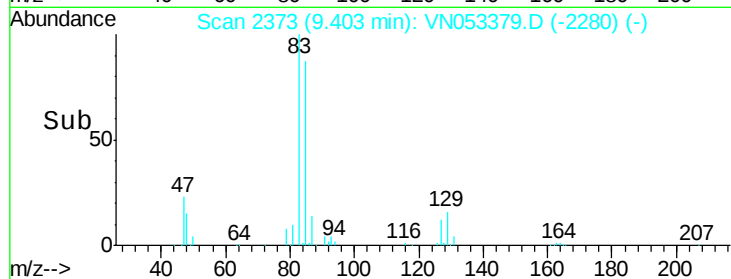
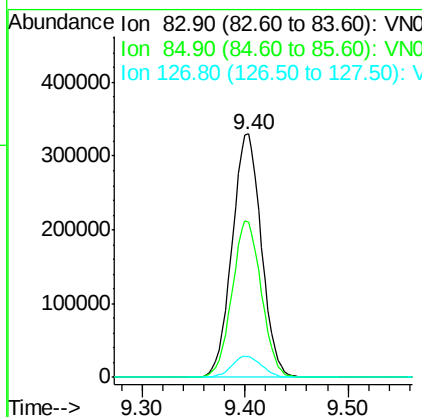
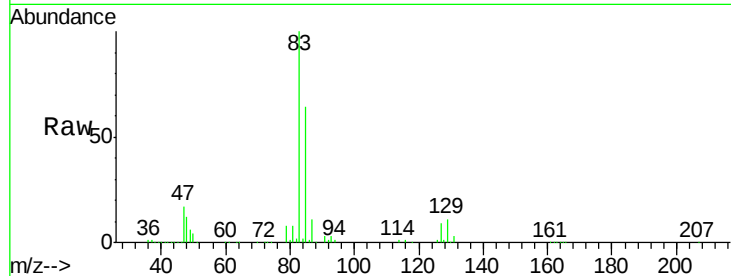
#47
Bromodichloromethane
Concen: 52.642 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	8.6	7.0	10.6

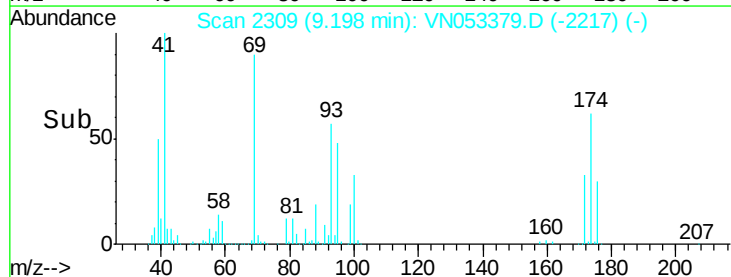
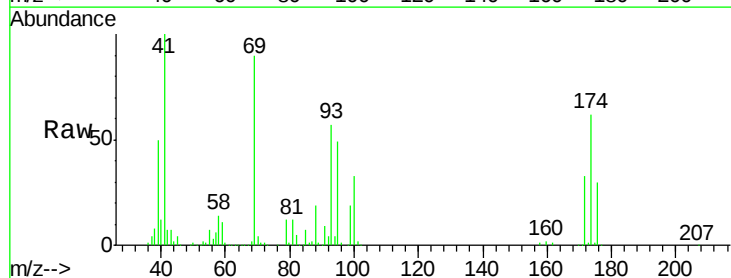
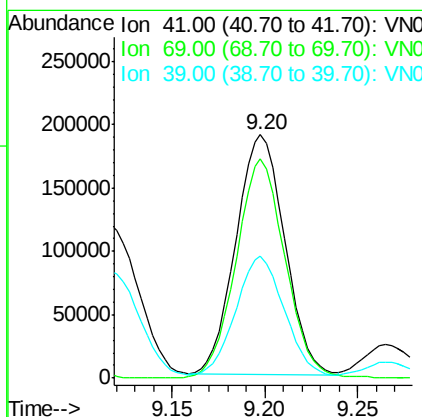
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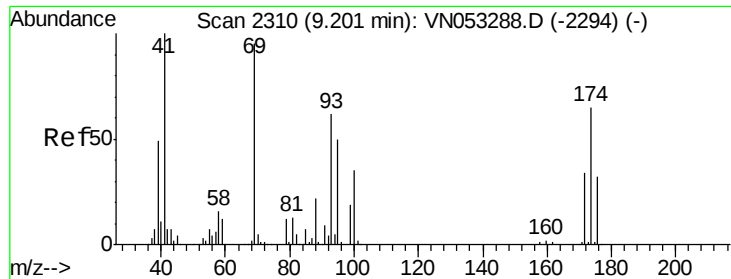
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#48
Methyl methacrylate
Concen: 46.765 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.8	73.5	110.3
39	49.1	41.6	62.4





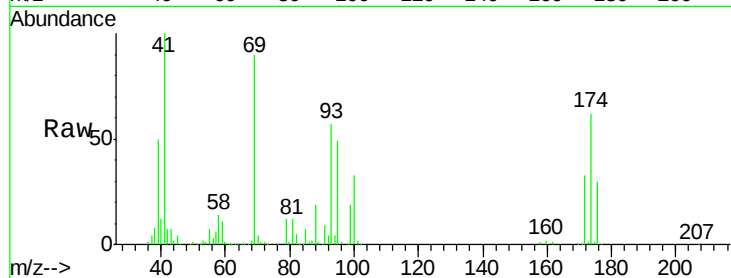
#49
1,4-Dioxane
Concen: 950.719 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	75145
Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.2	39.4
58	69.9	55.5	83.3

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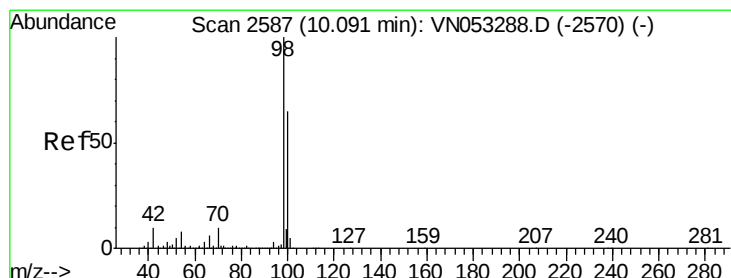
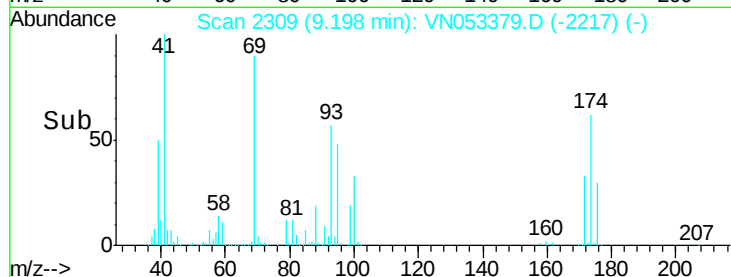
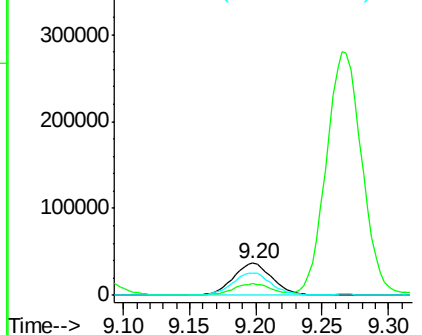
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Abundance Ion 88.00 (87.70 to 88.70): VN053379.D (-2217) (-)

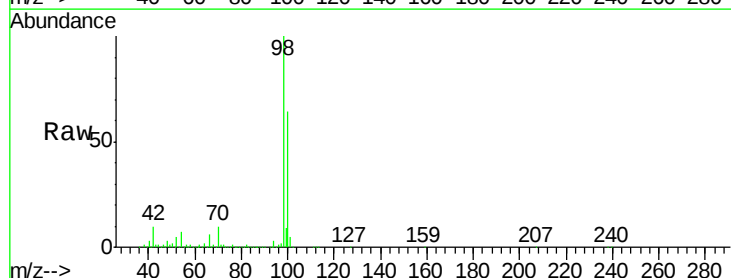
Ion 43.00 (42.70 to 43.70): VN053379.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053379.D (-2217) (-)



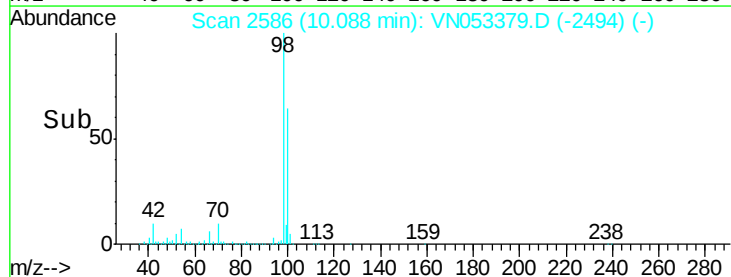
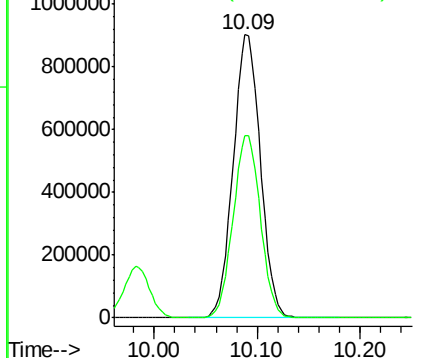
#50
Toluene-d8
Concen: 950.719 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

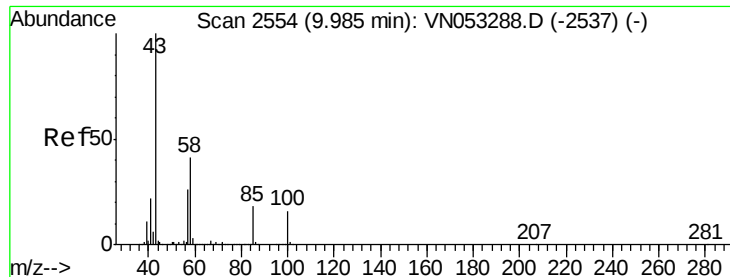
Tgt Ion	98	Resp	1662204
Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053379.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053379.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 227.365 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1867058

Ion Ratio Lower Upper

43 100

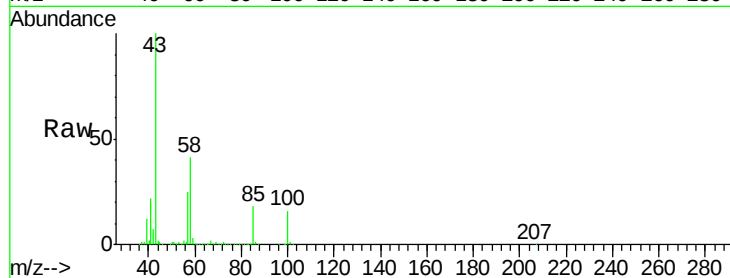
58 40.7 32.7 49.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

400000

200000

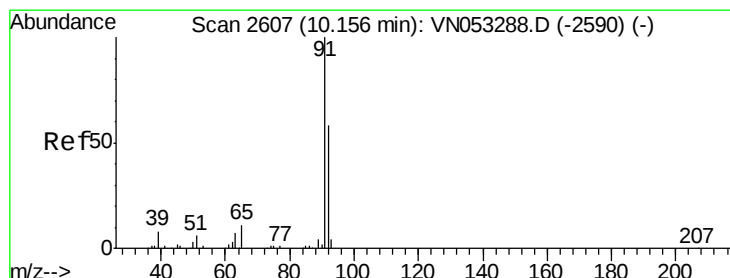
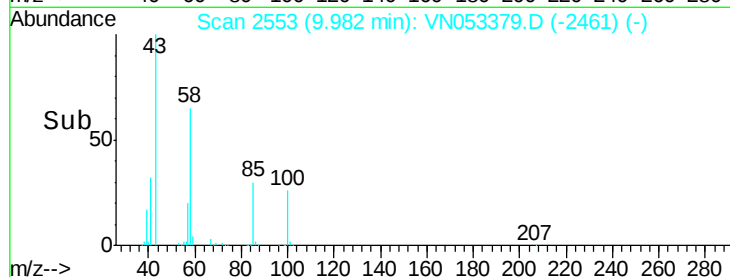
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 52.282 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053379.D

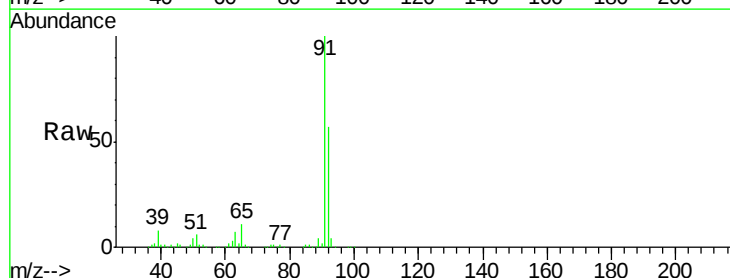
Acq: 14 Jan 2019 9:31

Tgt Ion: 92 Resp: 1248556

Ion Ratio Lower Upper

92 100

91 174.7 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1000000

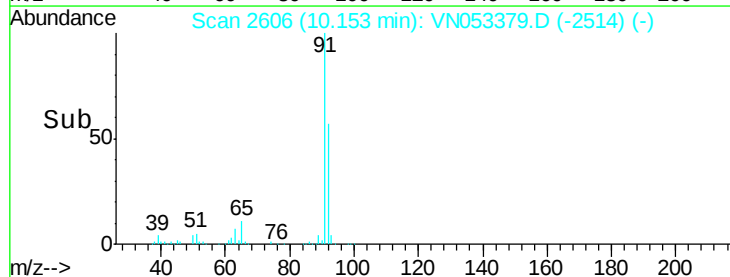
500000

0

10.10

10.20

Time-->





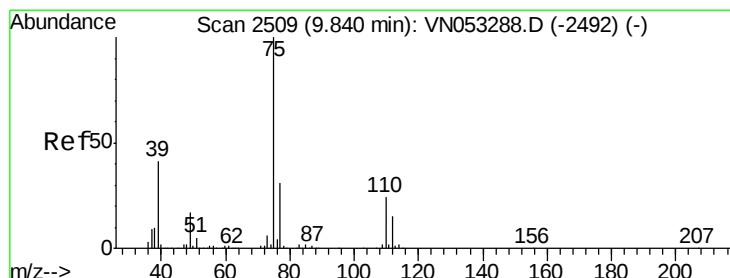
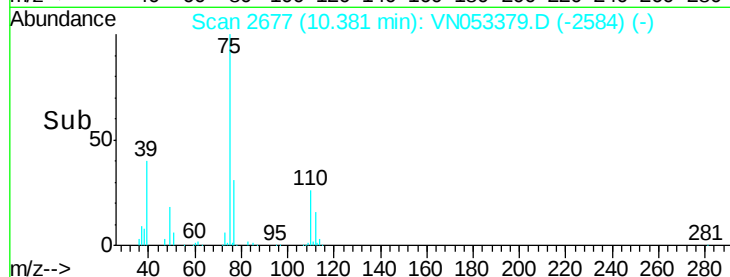
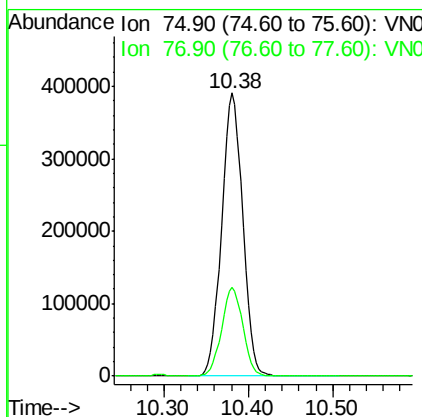
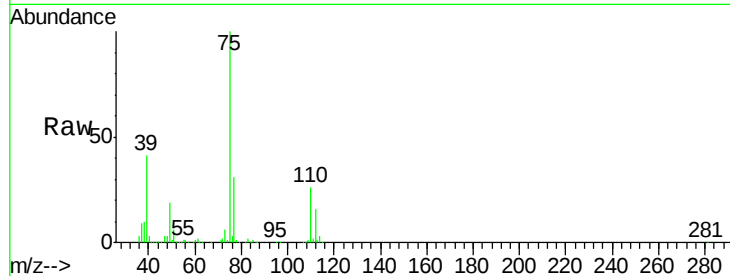
#53
t-1,3-Dichloropropene
Concen: 53.396 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.4

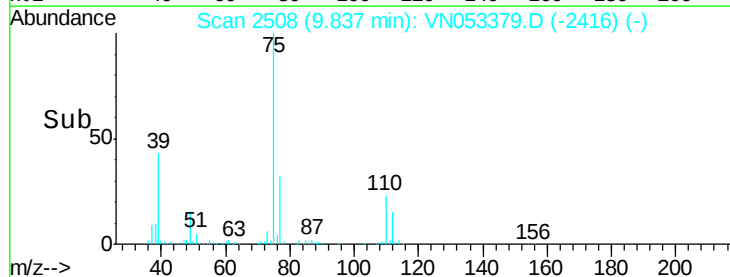
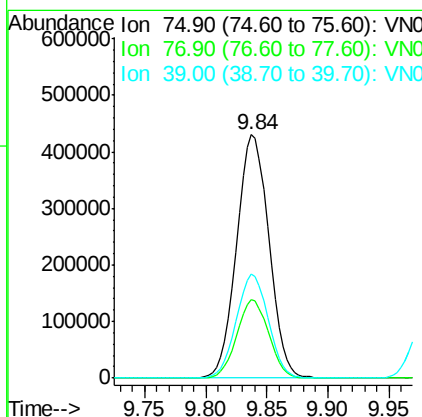
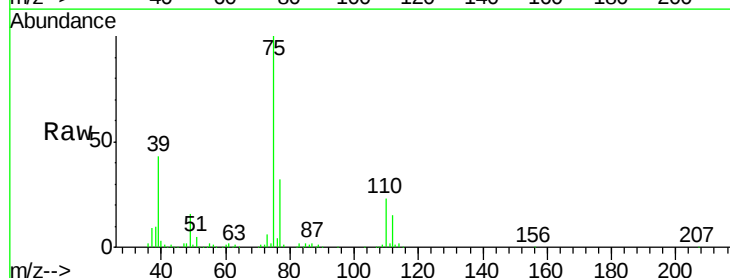
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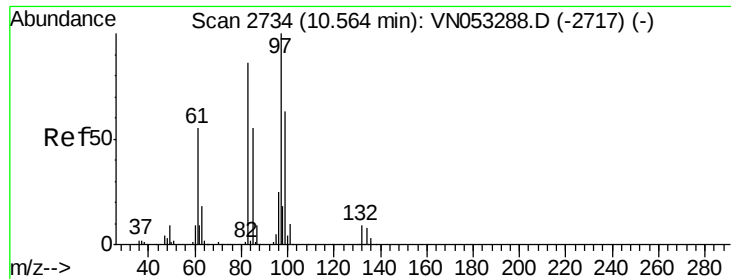
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#54
cis-1,3-Dichloropropene
Concen: 53.887 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	42.5	33.1	49.7





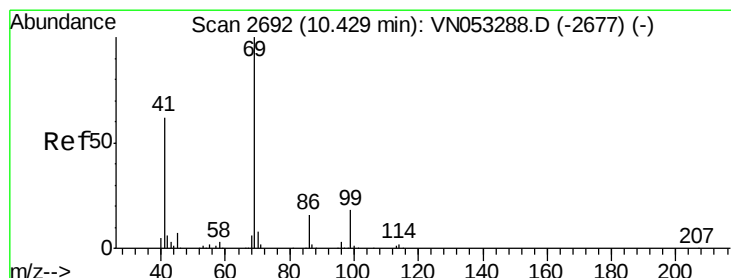
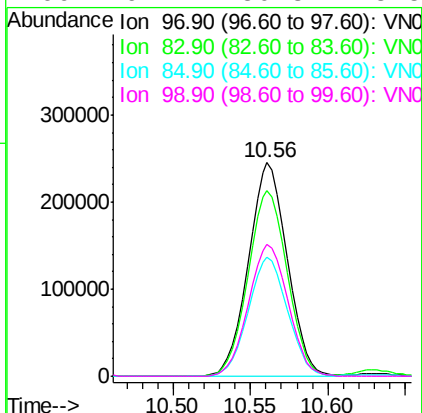
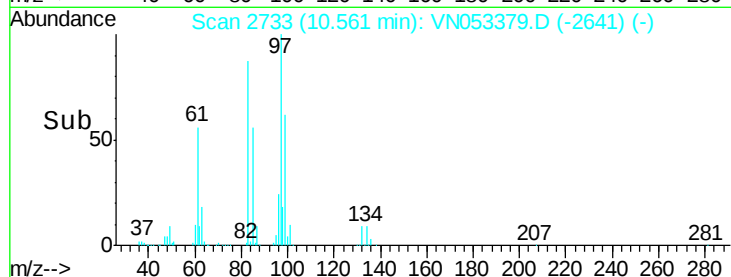
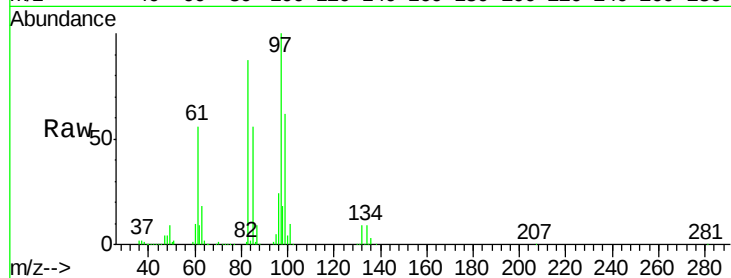
#55
 1,1,2-Trichloroethane
 Concen: 48.800 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	428513
Ion	Ratio	Lower	Upper
97	100		
83	87.1	69.1	103.7
85	55.8	44.2	66.4
99	61.7	50.3	75.5

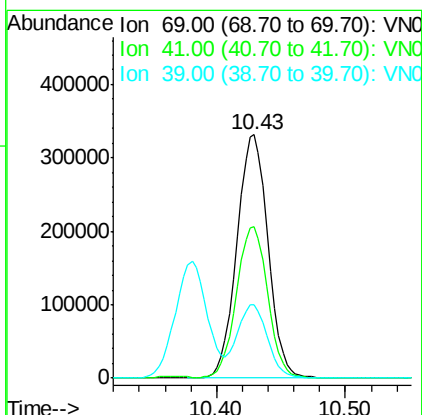
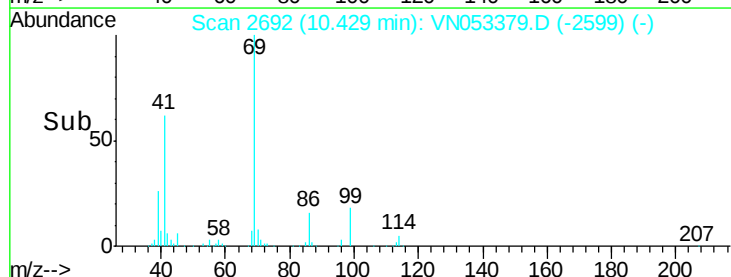
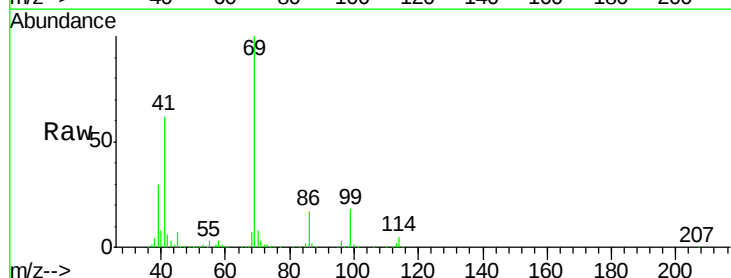
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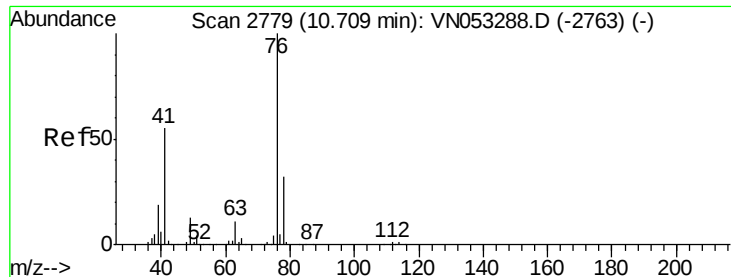
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#56
 Ethyl methacrylate
 Concen: 48.746 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion:	69	Resp:	556251
Ion	Ratio	Lower	Upper
69	100		
41	62.2	49.2	73.8
39	29.3	23.4	35.0





#57

1,3-Dichloropropane

Concen: 50.191 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 737033

Ion Ratio Lower Upper

76 100

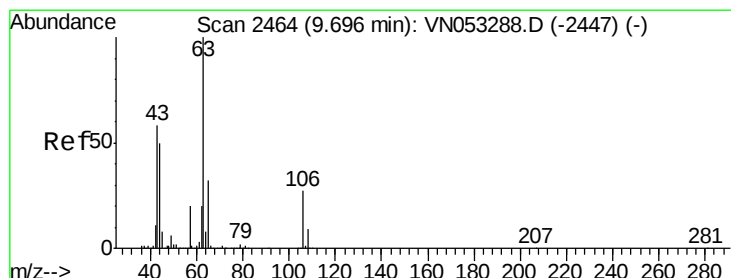
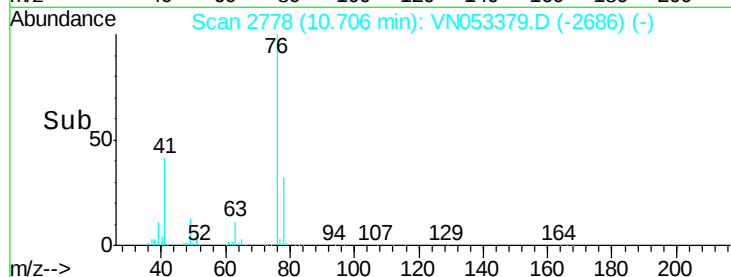
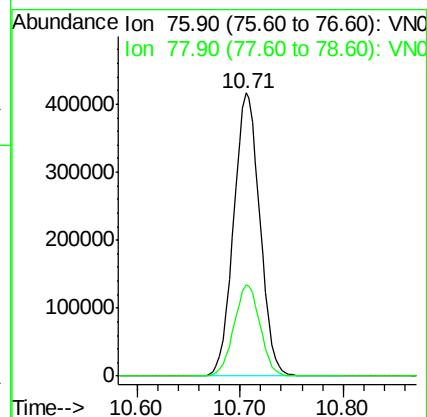
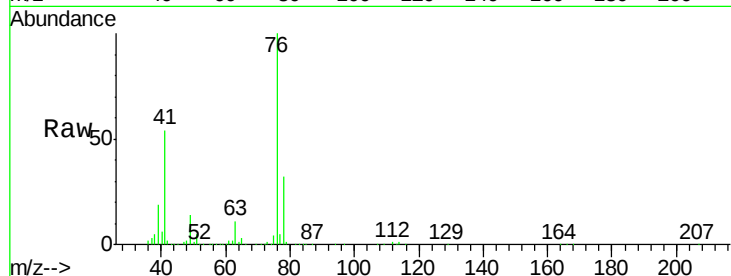
78 32.2 25.8 38.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 233.999 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053379.D

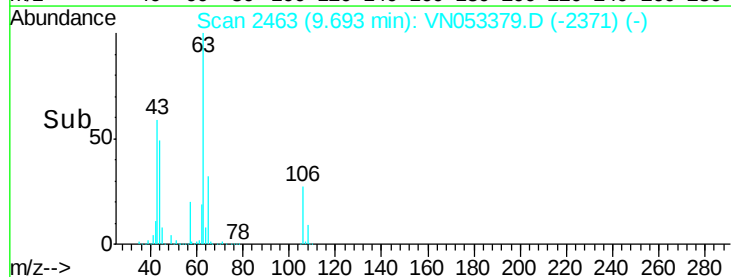
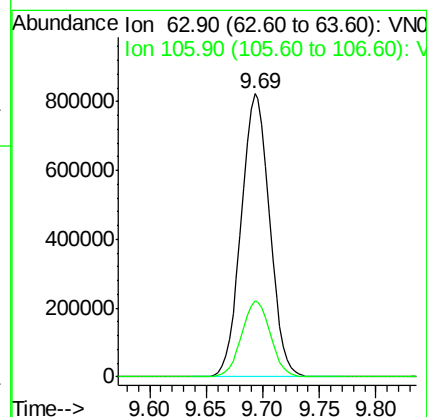
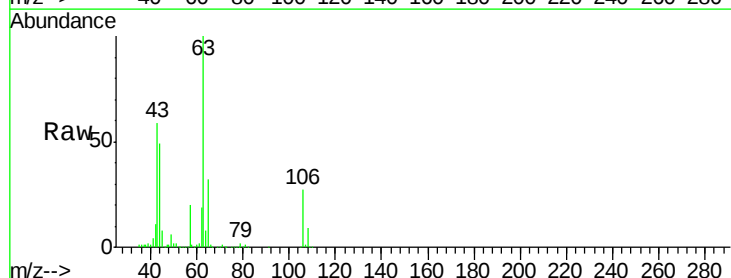
Acq: 14 Jan 2019 9:31

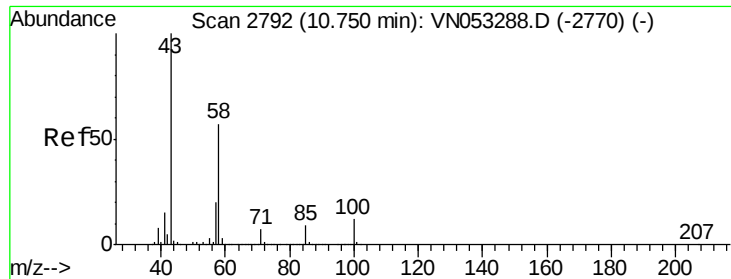
Tgt Ion: 63 Resp: 1443567

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5





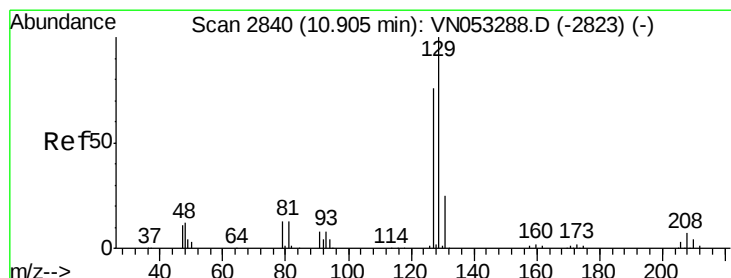
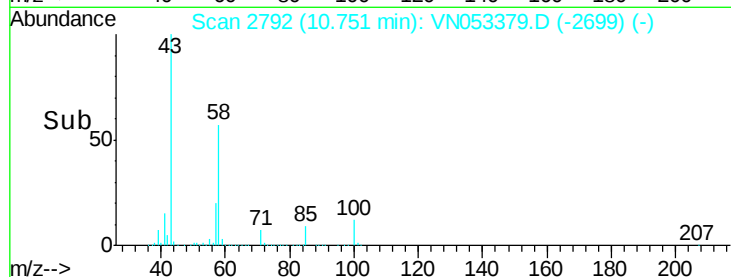
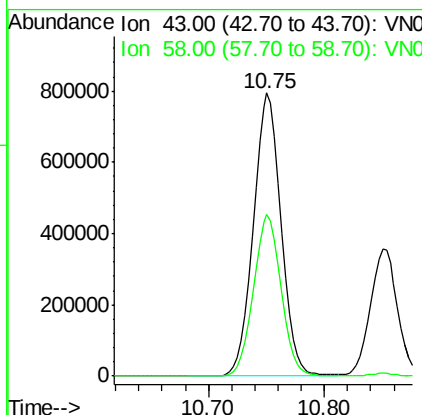
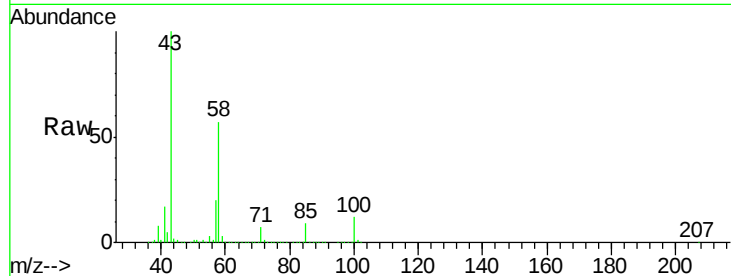
#59
2-Hexanone
Concen: 235.028 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1322354
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0

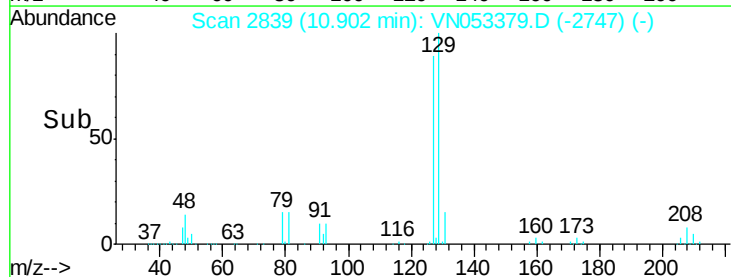
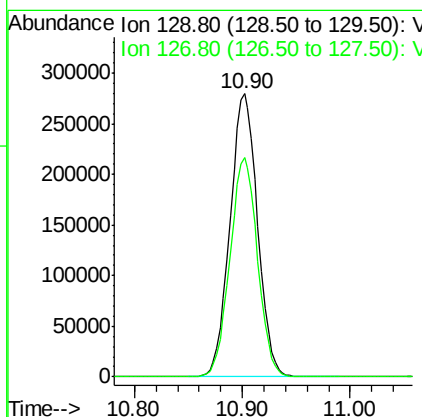
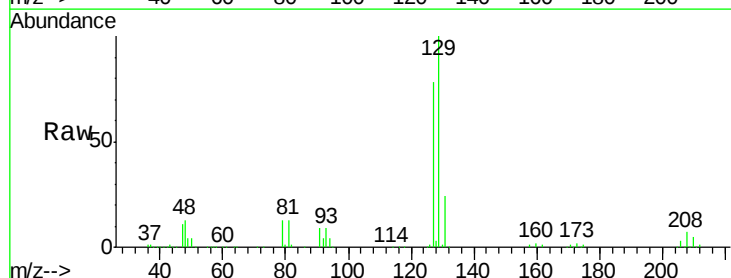
Manual Integrations
APPROVED

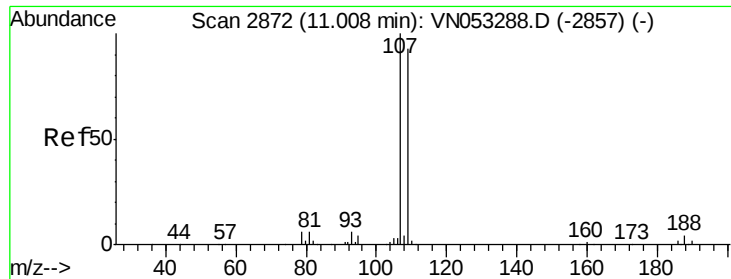
MMDadoda
1/15/2019 11:14:01 AM



#60
Dibromochloromethane
Concen: 52.529 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion: 129 Resp: 497511
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





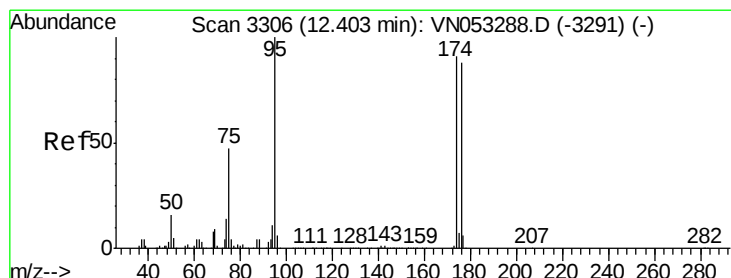
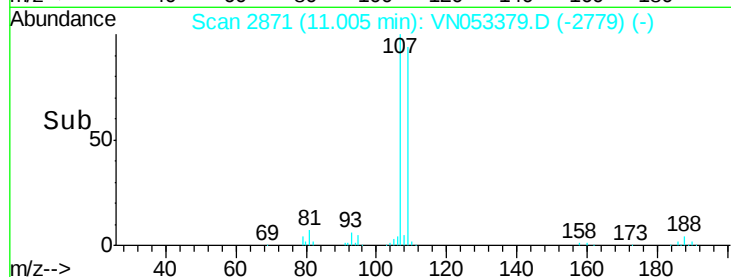
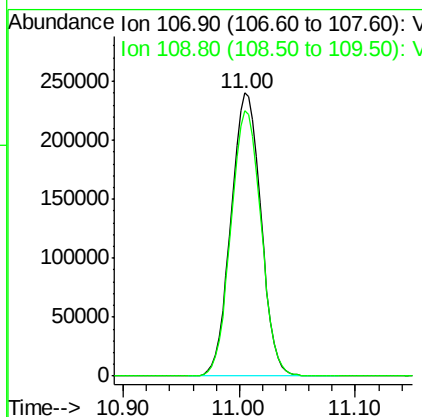
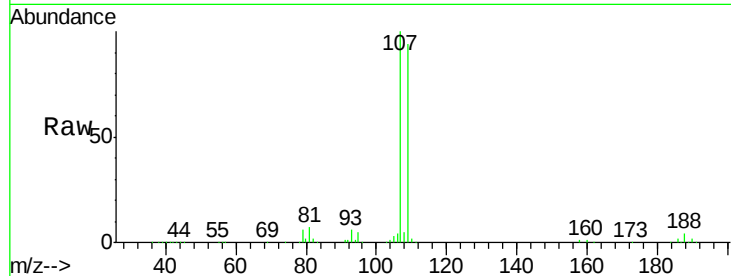
#61
1,2-Dibromoethane
Concen: 49.607 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 107 Resp: 429865
Ion Ratio Lower Upper
107 100
109 94.5 75.0 112.6

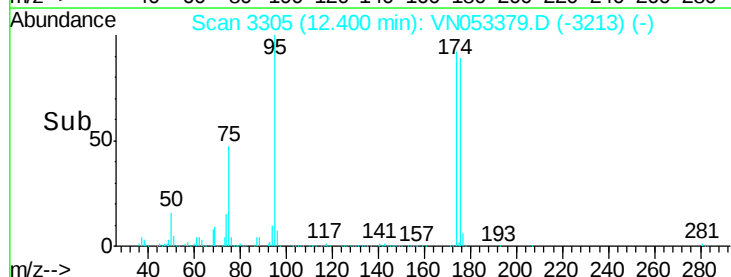
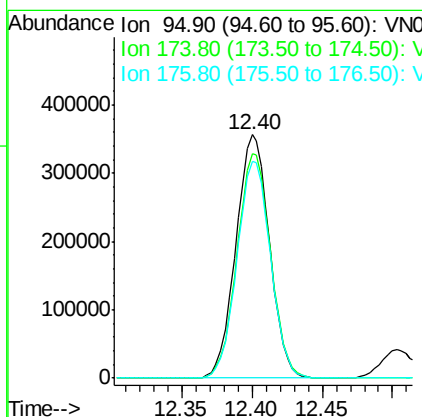
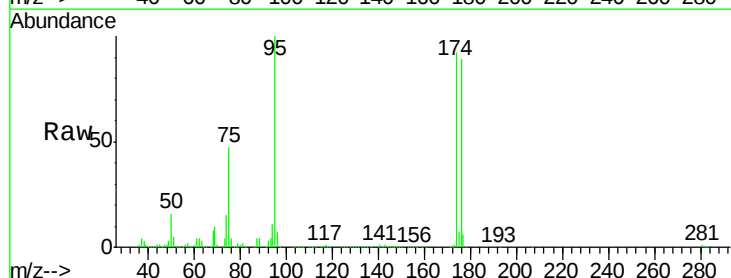
Manual Integrations
APPROVED

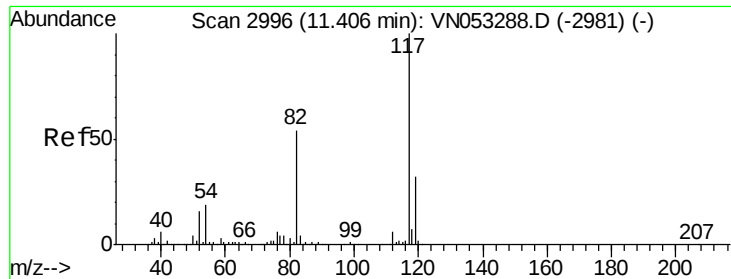
MMDadoda
1/15/2019 11:14:01 AM



#62
4-Bromofluorobenzene
Concen: 49.607 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion: 95 Resp: 593184
Ion Ratio Lower Upper
95 100
174 92.1 0.0 180.4
176 89.1 0.0 175.6





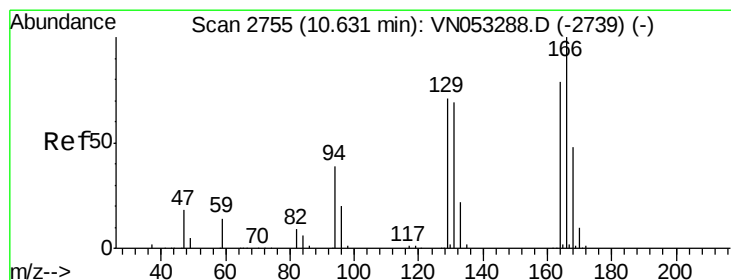
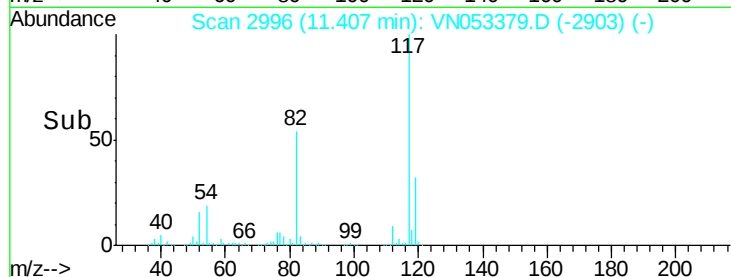
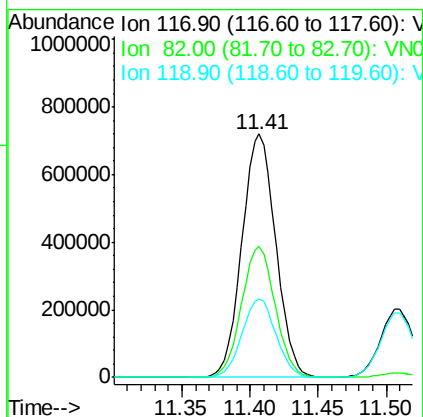
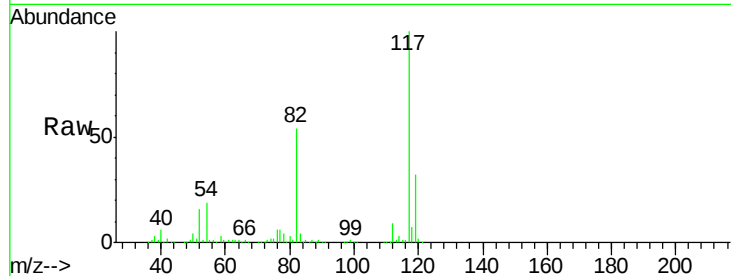
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	42.9	64.3
119	32.4	25.6	38.4

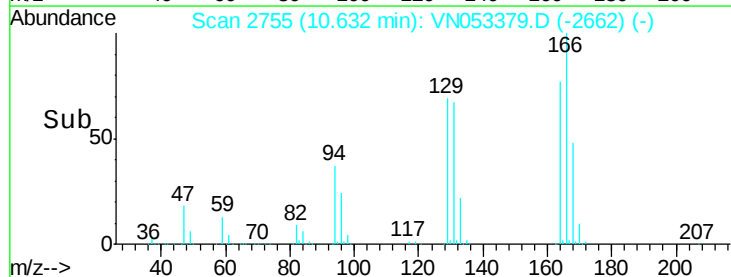
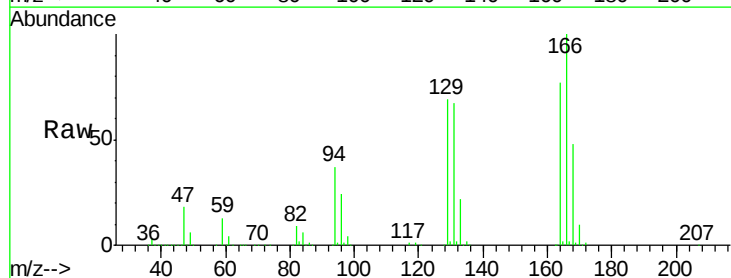
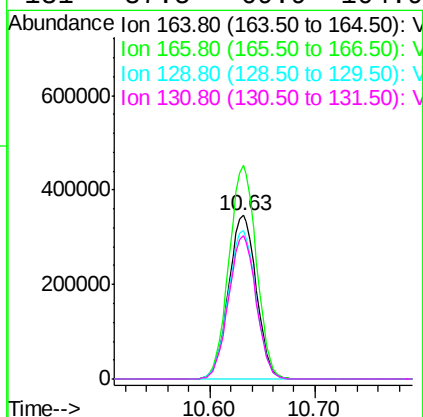
Manual Integrations
APPROVED

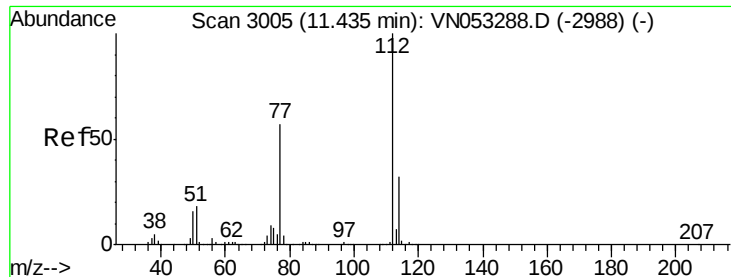
MMDadoda
1/15/2019 11:14:01 AM



#64
Tetrachloroethene
Concen: 53.861 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.7	152.5
129	90.6	72.1	108.1
131	87.5	69.9	104.9





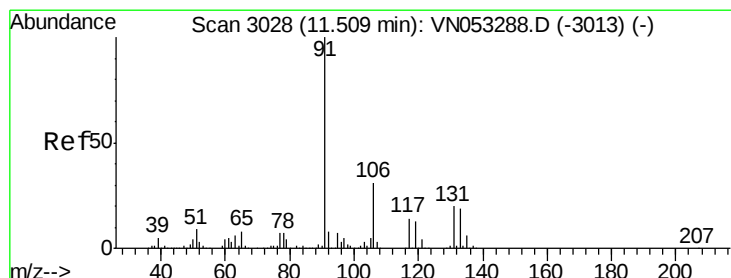
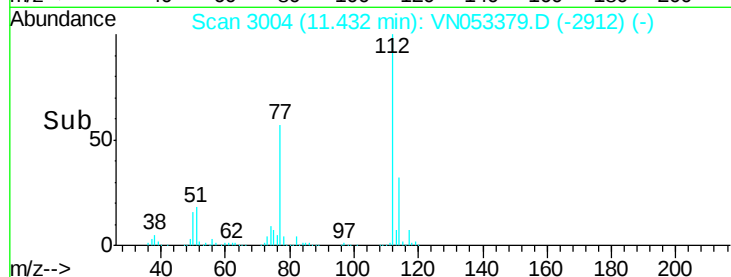
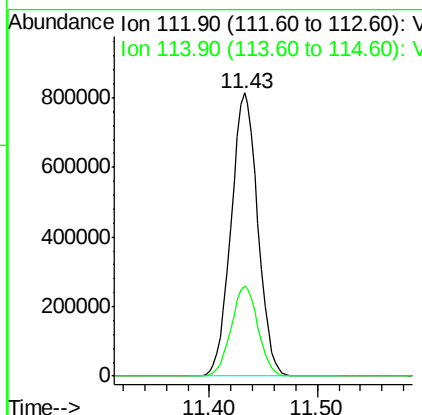
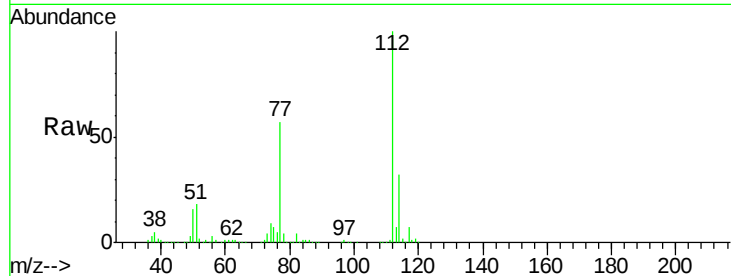
#65
Chlorobenzene
Concen: 52.189 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1403985
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4

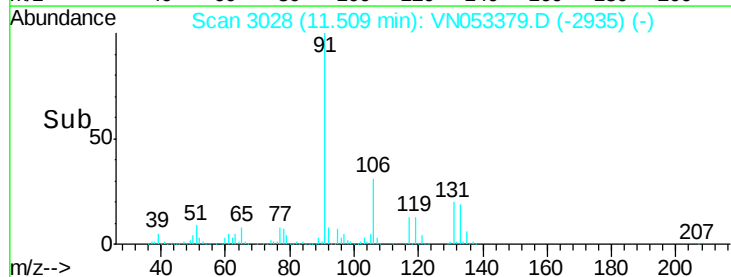
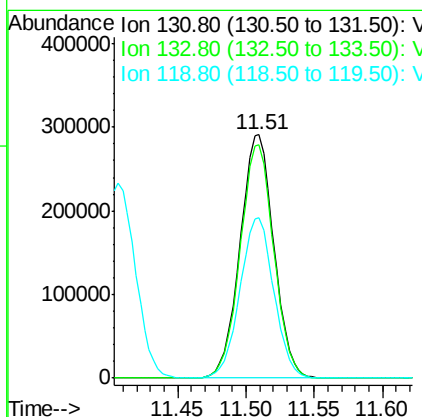
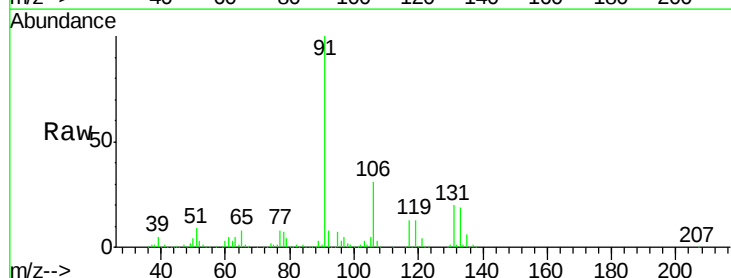
Manual Integrations
APPROVED

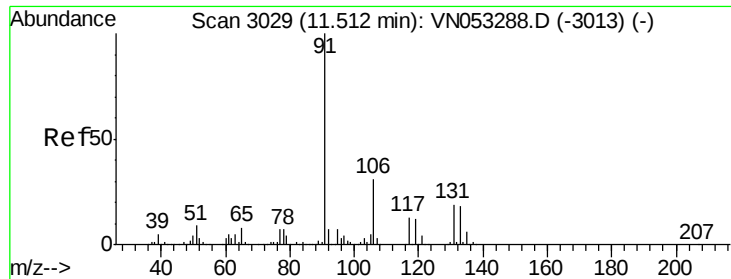
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.047 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion:131 Resp: 499491
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.0
119 66.0 33.3 99.9





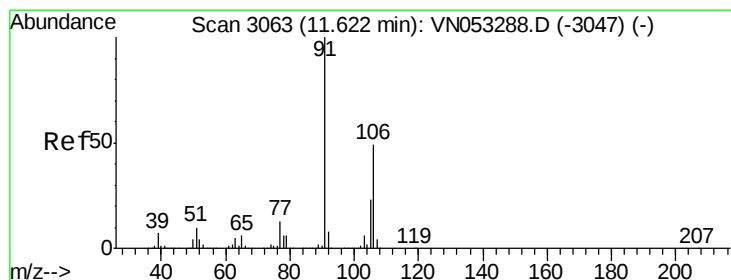
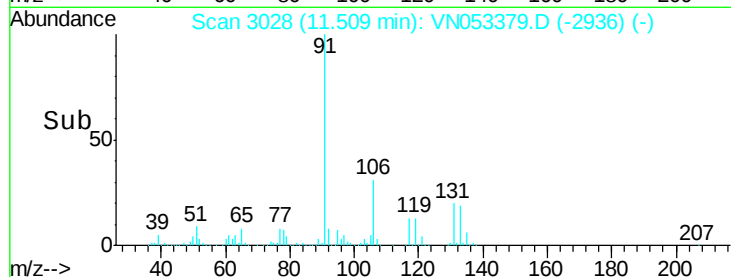
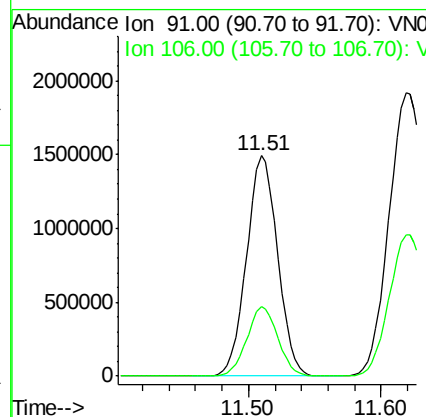
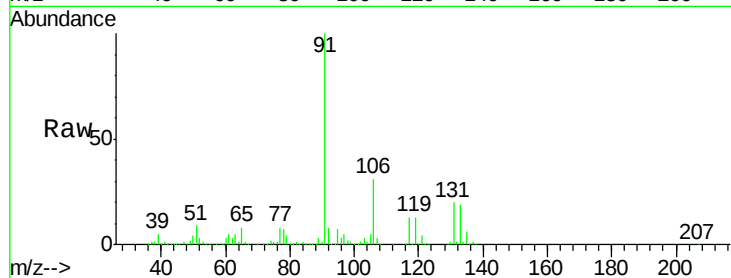
#67
Ethyl Benzene
Concen: 53.061 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2425532
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

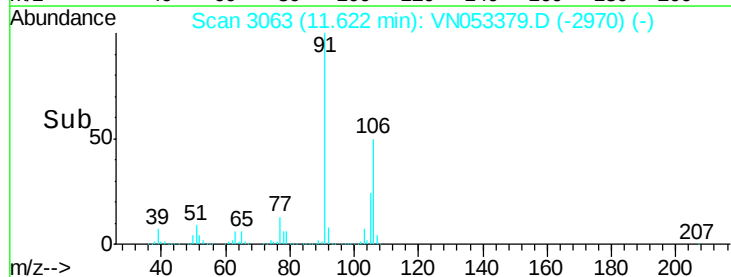
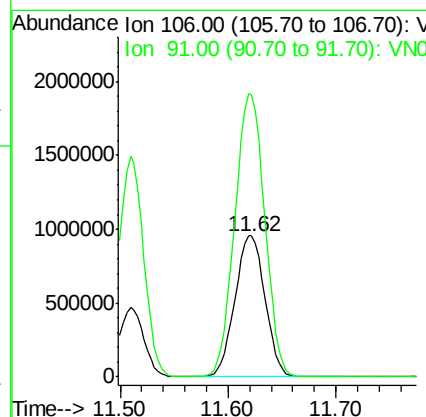
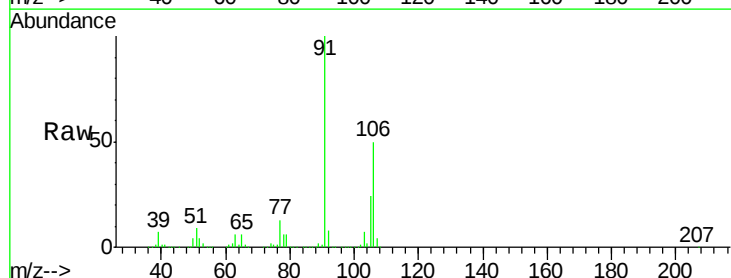
Manual Integrations
APPROVED

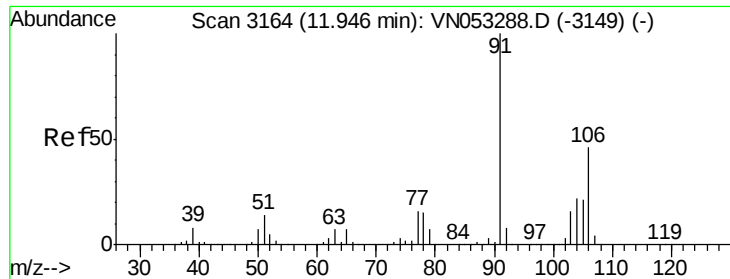
MMDadoda
1/15/2019 11:14:01 AM



#68
m/p-Xylenes
Concen: 107.910 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion: 106 Resp: 1854861
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2





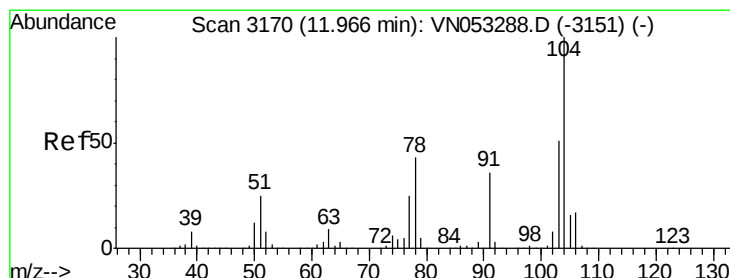
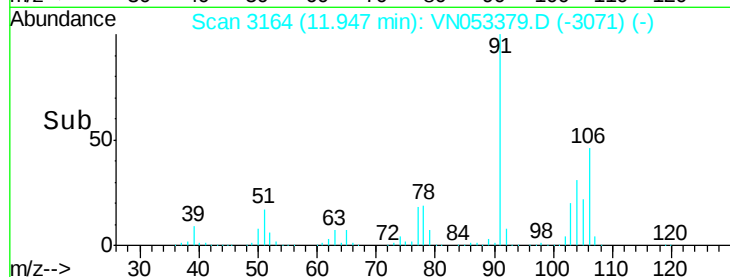
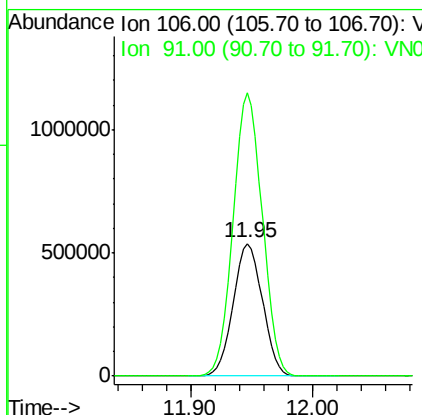
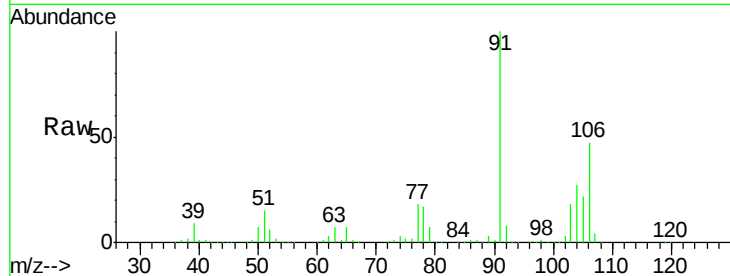
#69
o-Xylene
Concen: 53.369 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 898100
Ion Ratio Lower Upper
106 100
91 212.7 106.8 320.4

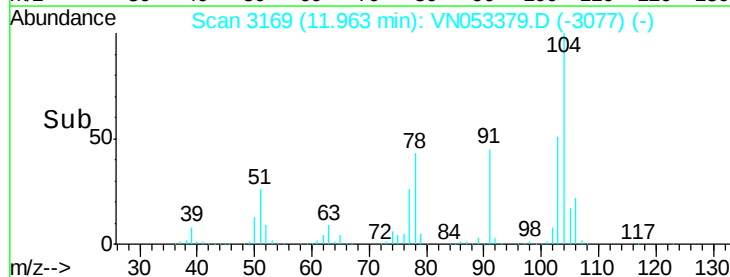
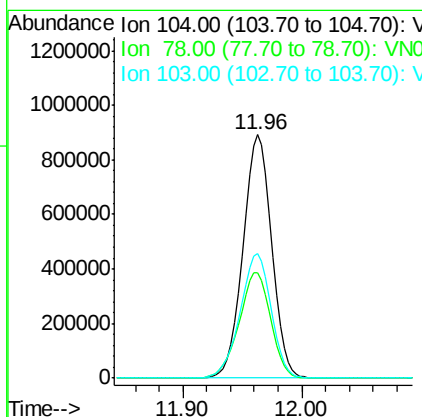
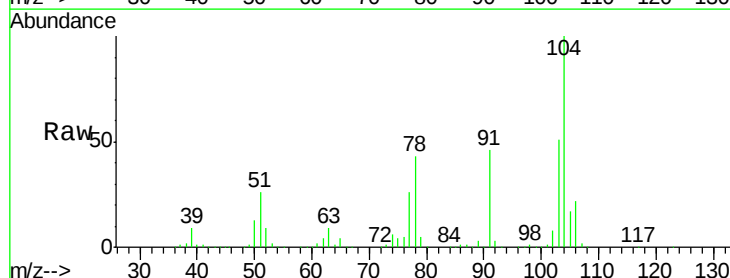
Manual Integrations
APPROVED

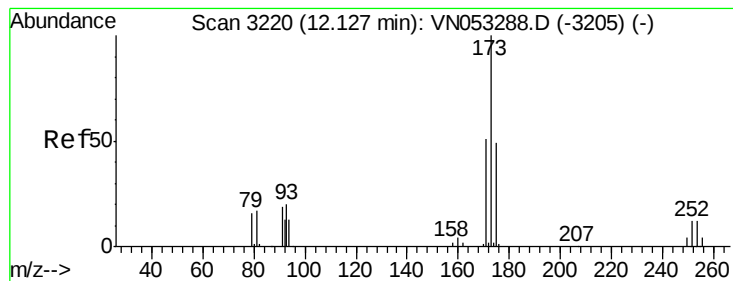
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#70
Styrene
Concen: 54.231 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion:104 Resp: 1485273
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.4 44.5 66.7





#71

Bromoform

Concen: 51.373 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 341674

Ion Ratio Lower Upper

173 100

175 48.8 24.3 72.8

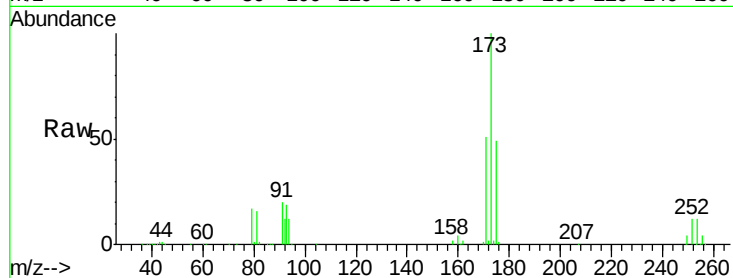
254 0.1 0.2 0.2#

Manual Integrations

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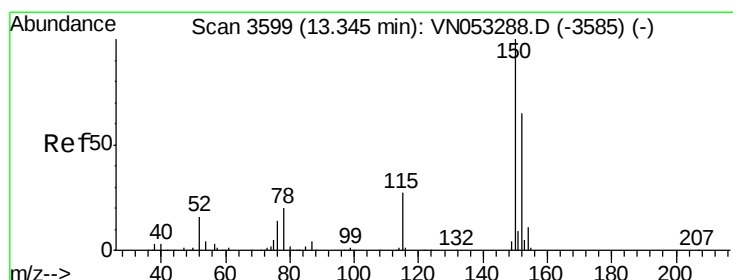
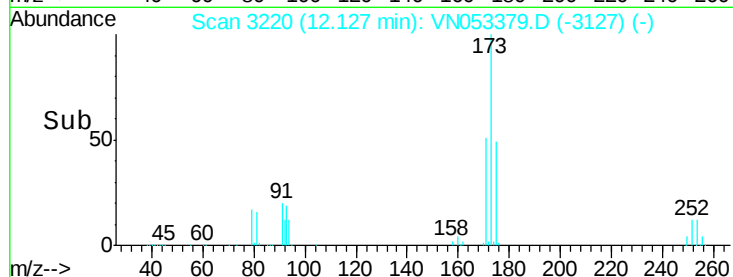
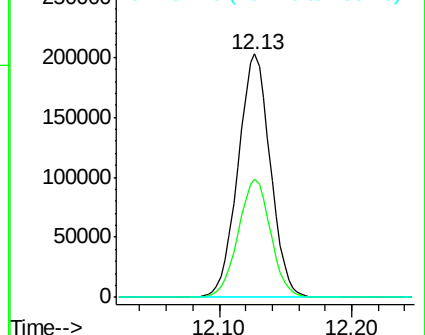
1/15/2019 11:14:01 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

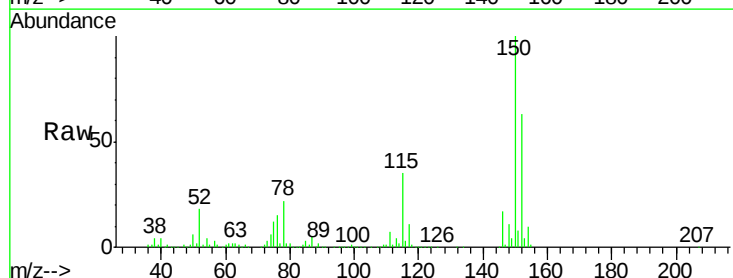
Tgt Ion:152 Resp: 606179

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

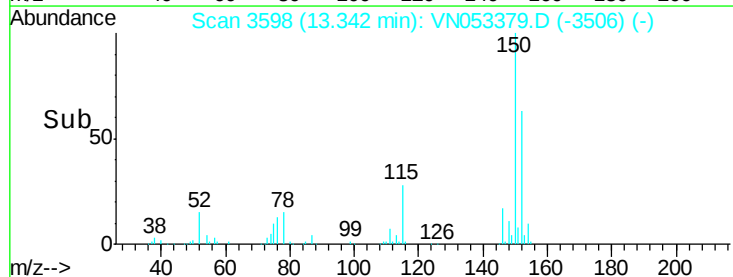
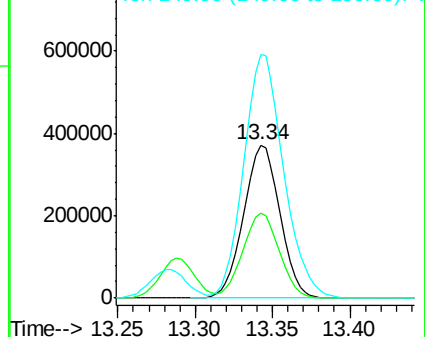
150 175.7 0.0 346.6

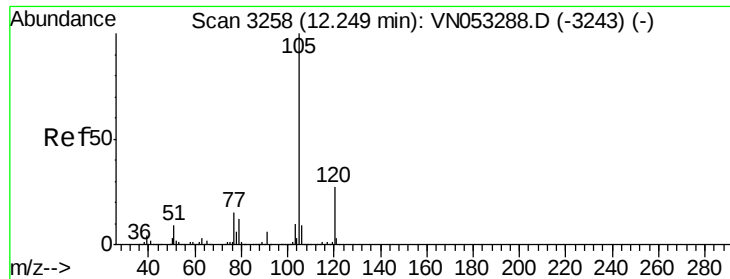


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.505 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 2414765

Ion Ratio Lower Upper

105 100

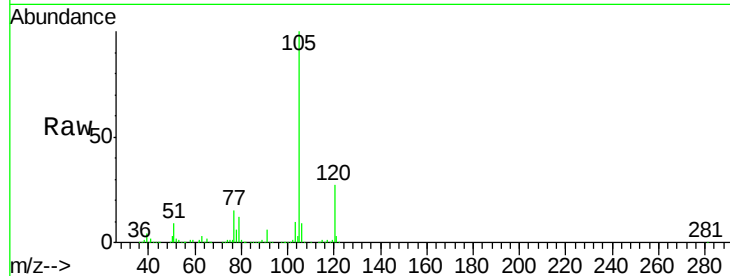
120 26.9 13.4 40.2

Manual Integrations

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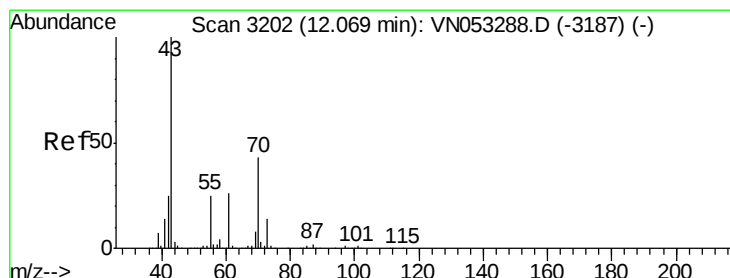
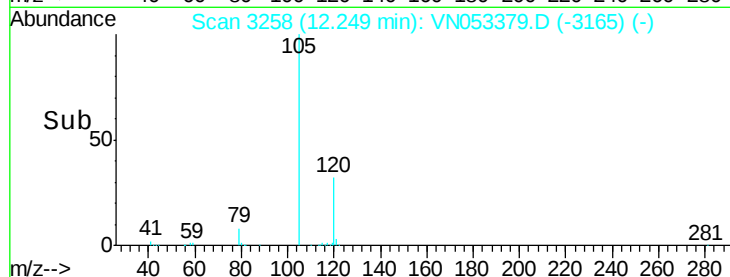
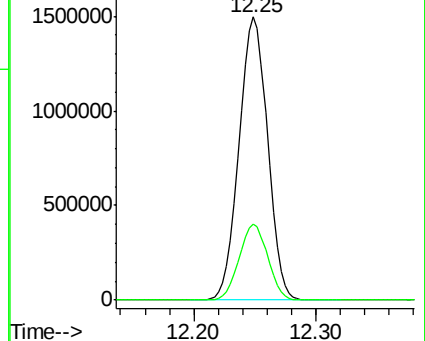
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.679 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Tgt Ion: 43 Resp: 629078

Ion Ratio Lower Upper

43 100

70 44.3 35.0 52.6

55 25.6 20.0 30.0

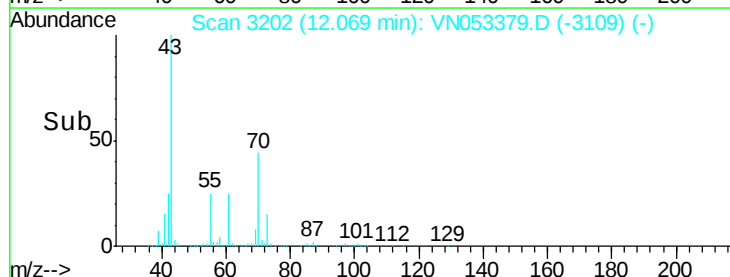
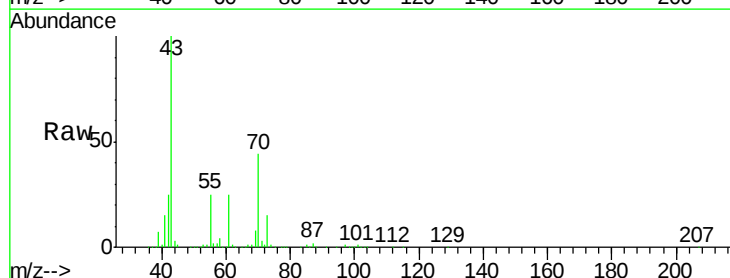
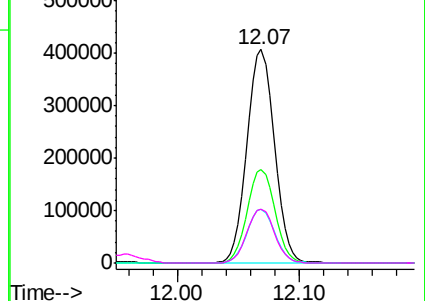
61 25.5 20.3 30.5

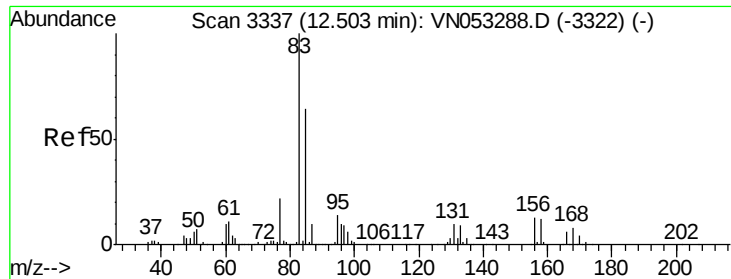
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 44.696 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 464028

Ion Ratio Lower Upper

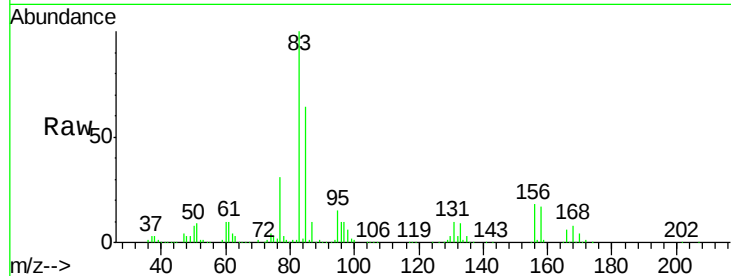
83 100

131 10.7 5.3 15.9

85 64.2 32.3 96.8

Manual Integrations
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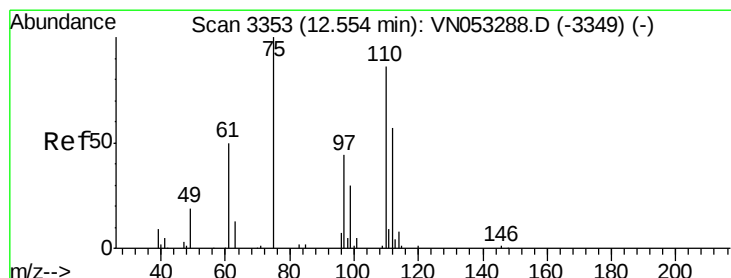
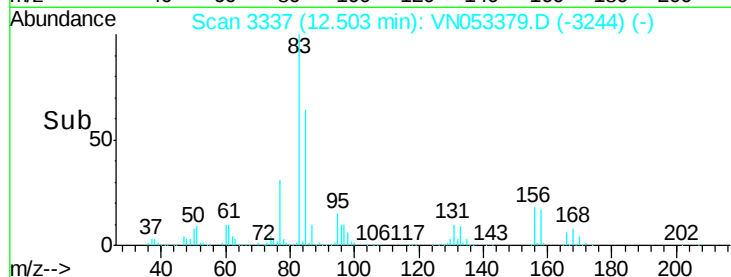
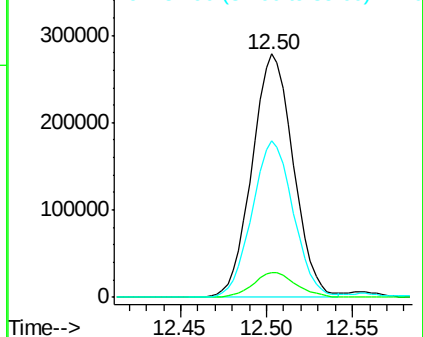
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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 42.514 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053379.D

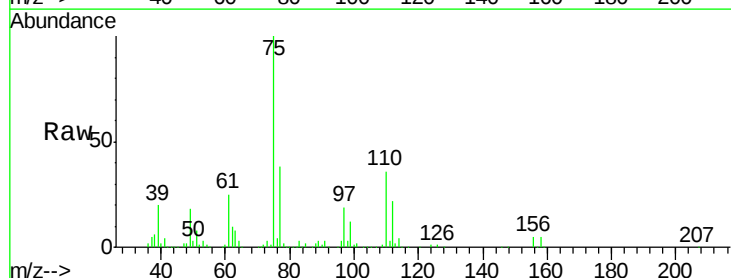
Acq: 14 Jan 2019 9:31

Tgt Ion: 75 Resp: 375885

Ion Ratio Lower Upper

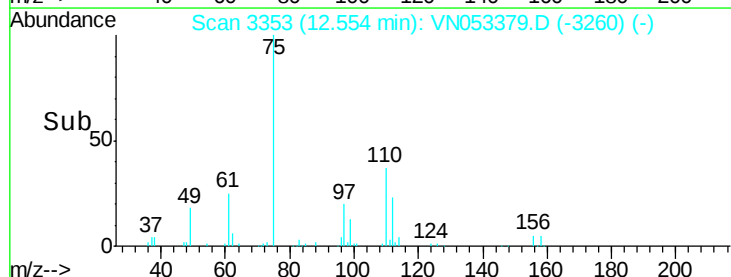
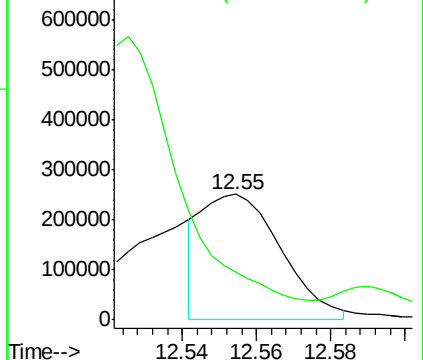
75 100

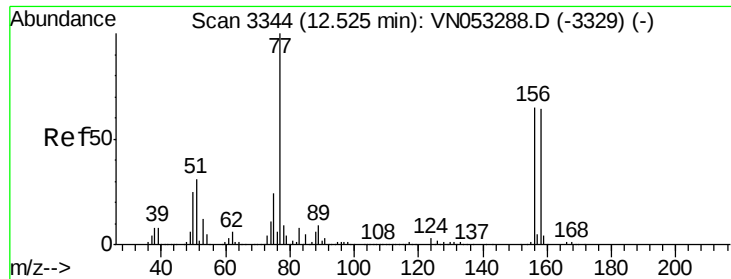
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





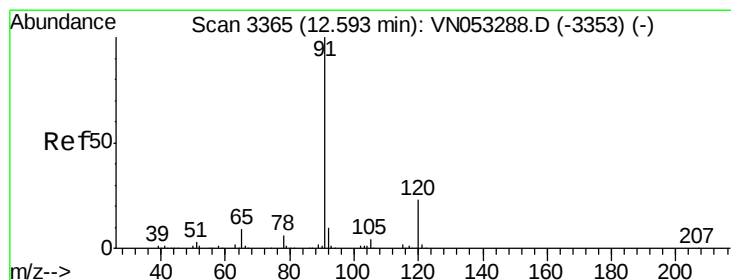
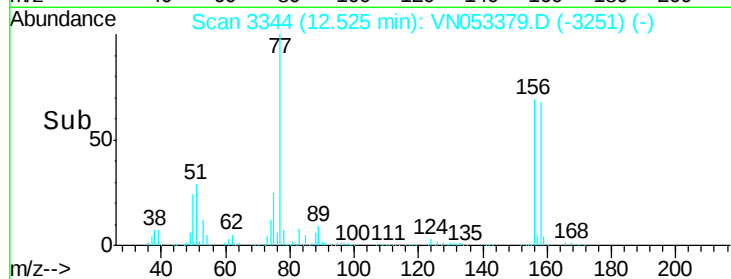
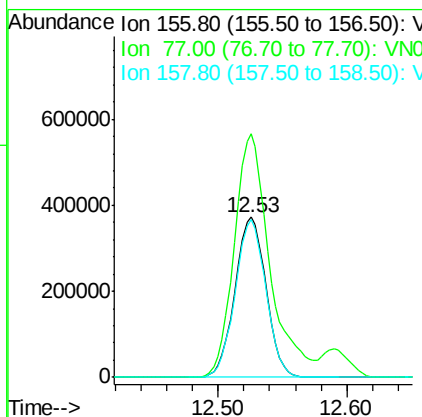
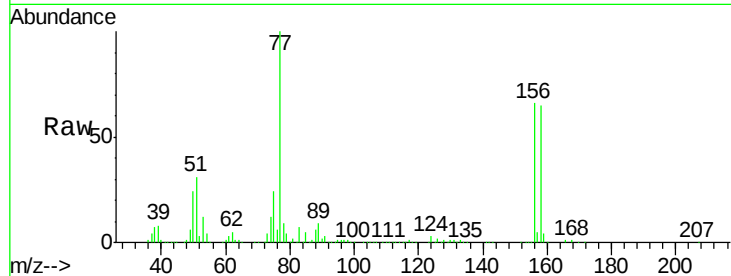
#77
Bromobenzene
Concen: 51.582 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	621331		
77	174.0	89.3	268.1	
158	97.4	48.9	146.8	

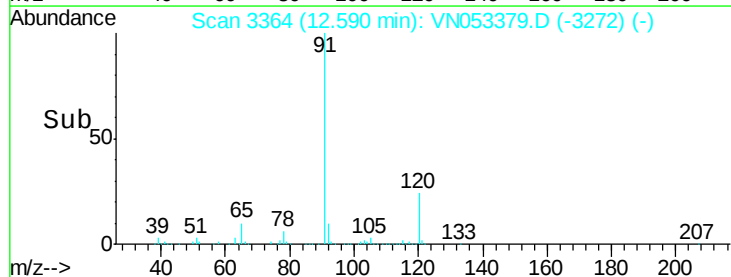
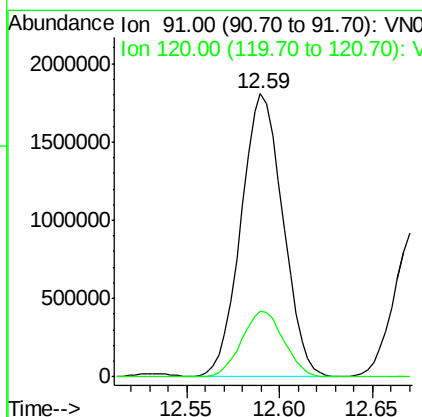
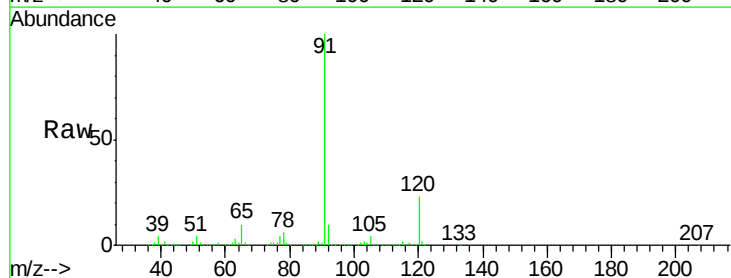
Manual Integrations
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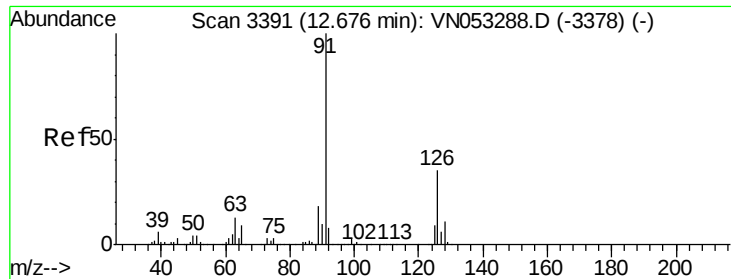
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#78
n-propylbenzene
Concen: 55.455 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2831001		
120	23.5	11.5	34.5	





#79

2-Chlorotoluene

Concen: 52.246 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1613867

Ion Ratio Lower Upper

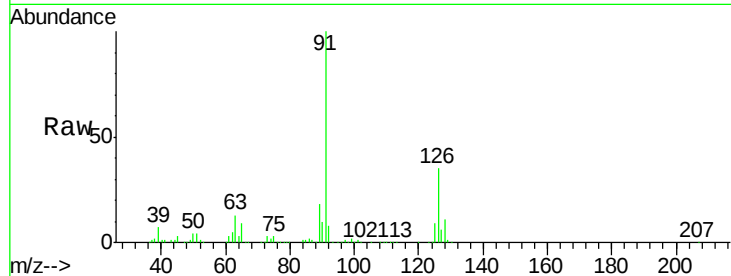
91 100

126 35.4 17.5 52.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN053379.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN053379.D (-3391) (-)

2000000

1500000

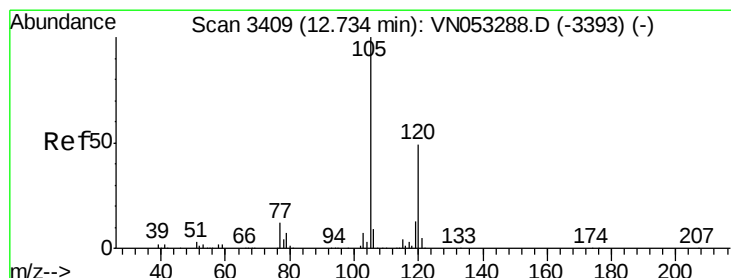
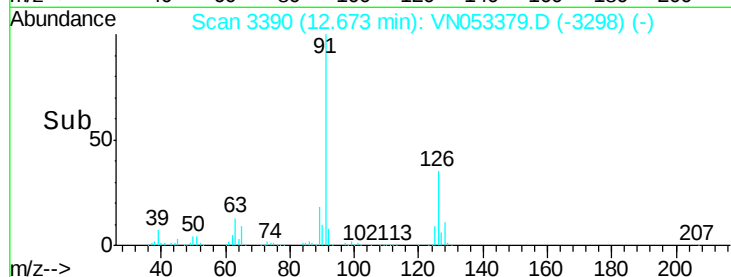
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.328 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053379.D

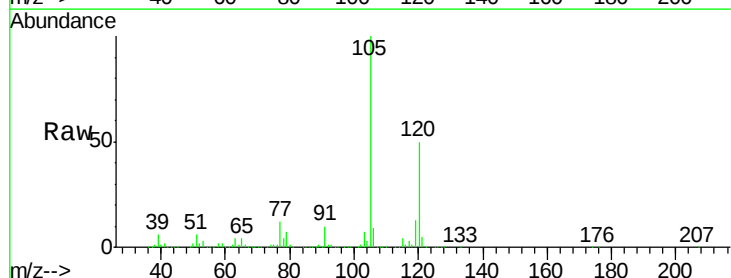
Acq: 14 Jan 2019 9:31

Tgt Ion: 105 Resp: 1975033

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053379.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN053379.D (-3409) (-)

1500000

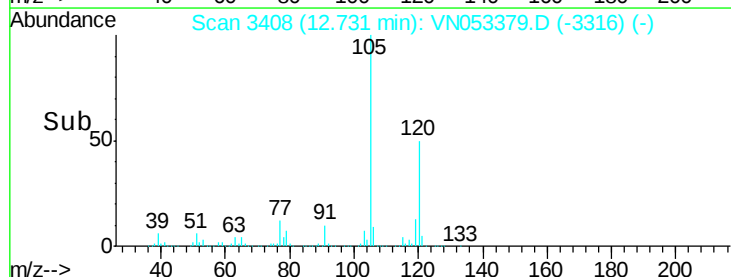
1000000

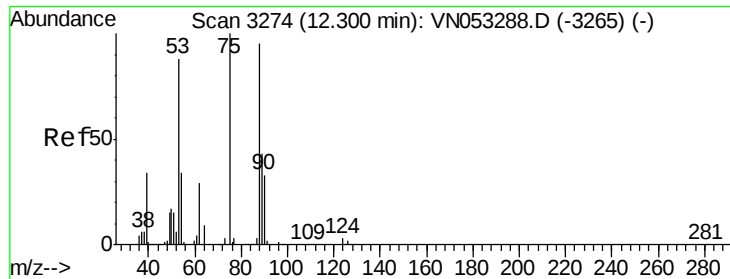
500000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.820 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 152719

Ion Ratio Lower Upper

75 100

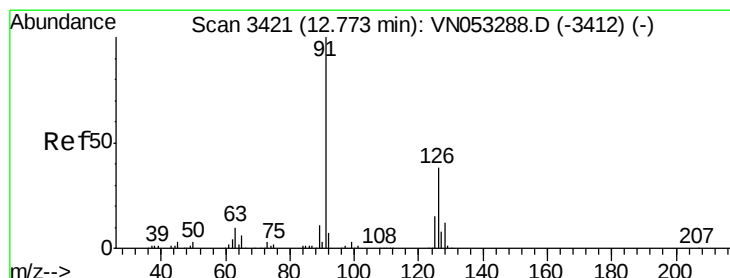
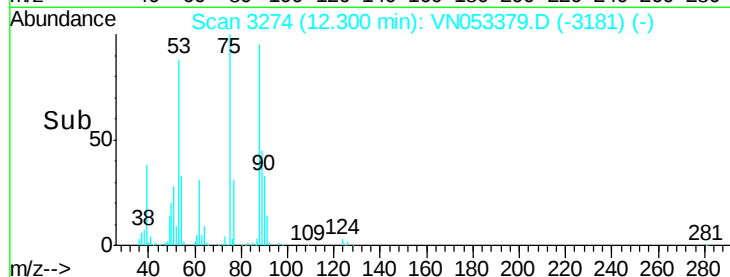
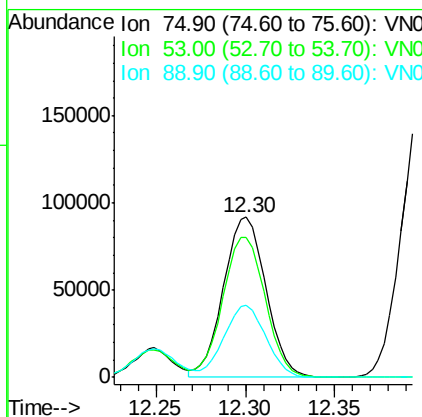
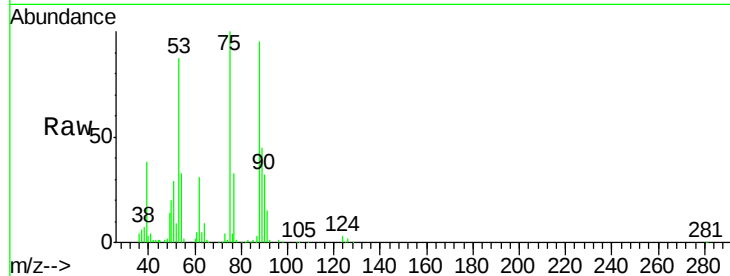
53 87.7 70.5 105.7

89 44.2 35.4 53.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.648 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053379.D

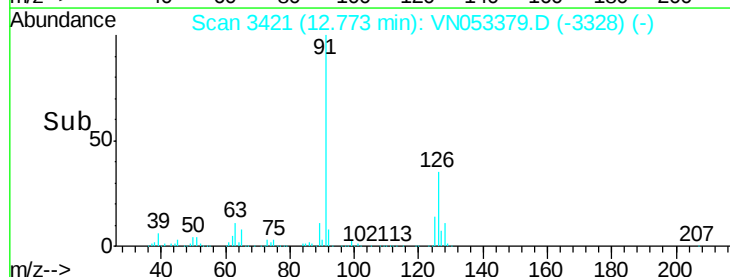
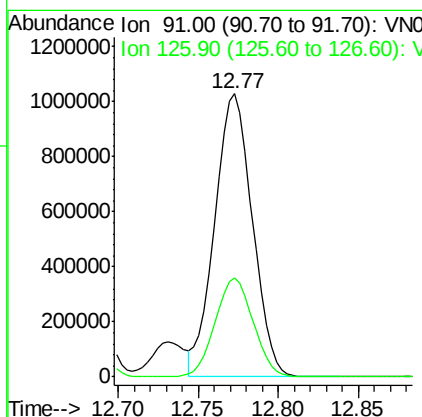
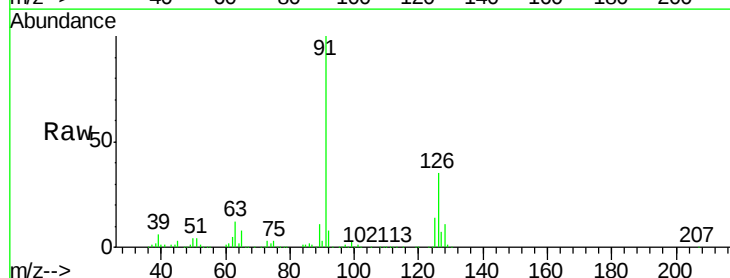
Acq: 14 Jan 2019 9:31

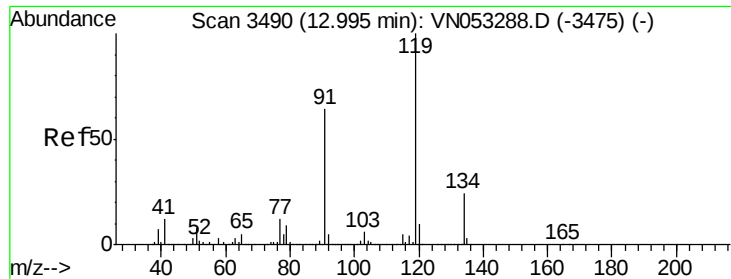
Tgt Ion: 91 Resp: 1667603

Ion Ratio Lower Upper

91 100

126 35.2 17.4 52.2





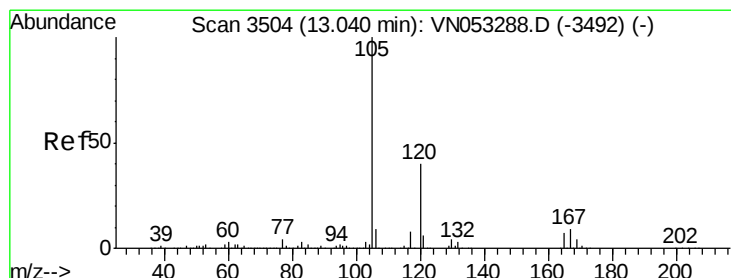
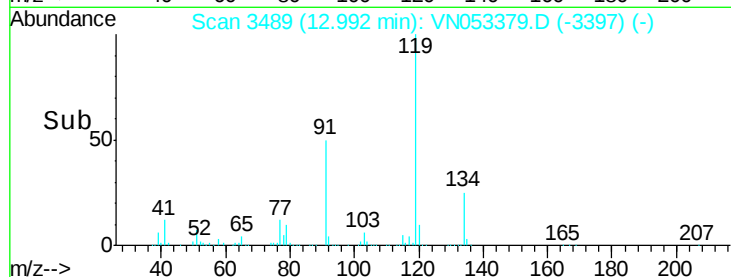
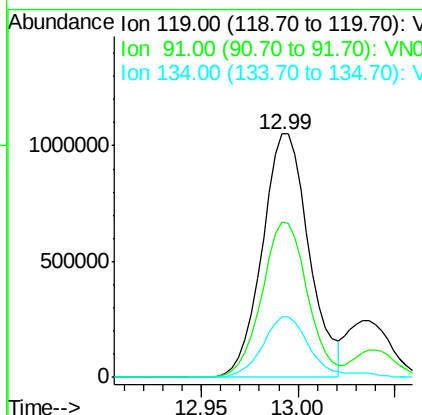
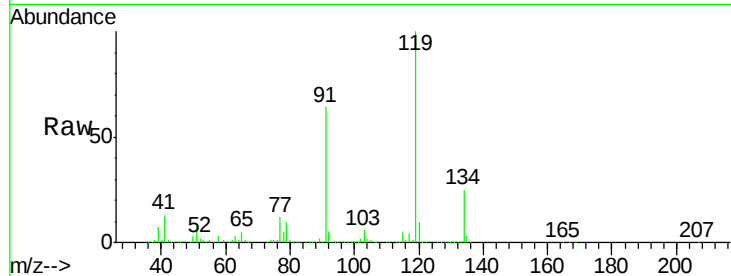
#83
 tert-Butylbenzene
 Concen: 55.501 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1770253
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.6 95.0
 134 25.5 12.9 38.6

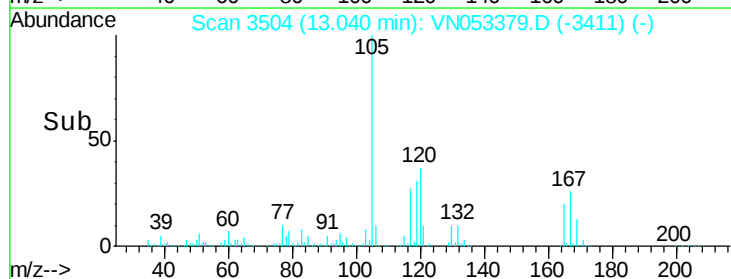
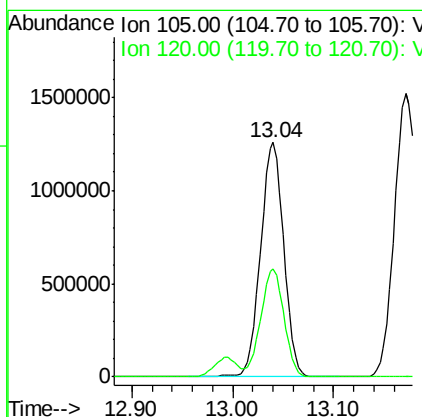
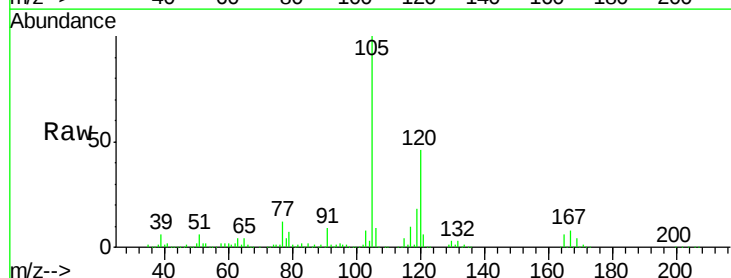
Manual Integrations
 APPROVED

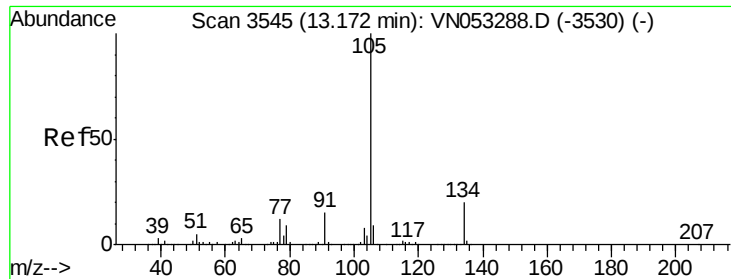
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.248 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion:105 Resp: 2009109
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 58.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2446993

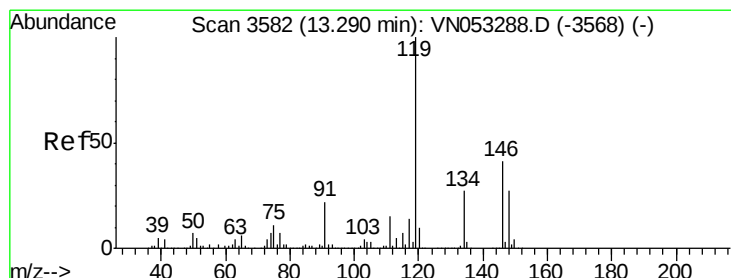
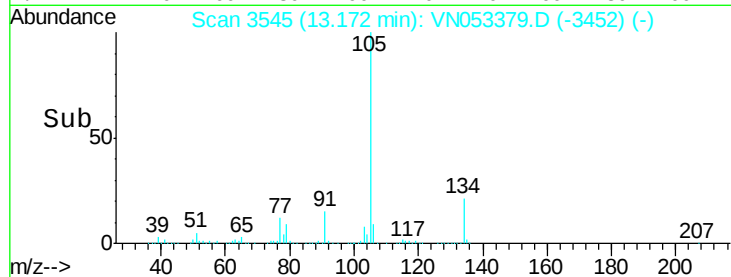
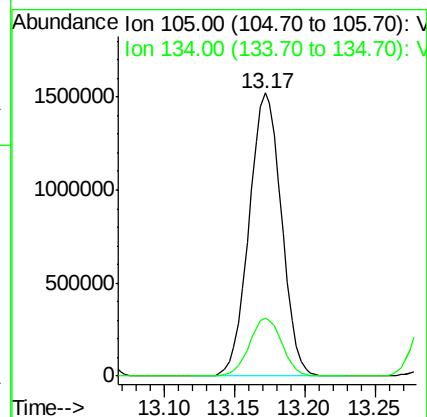
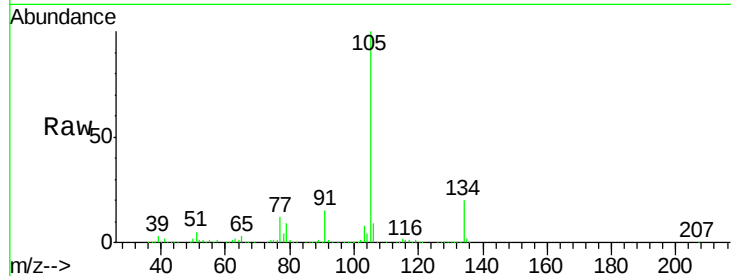
Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 58.713 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

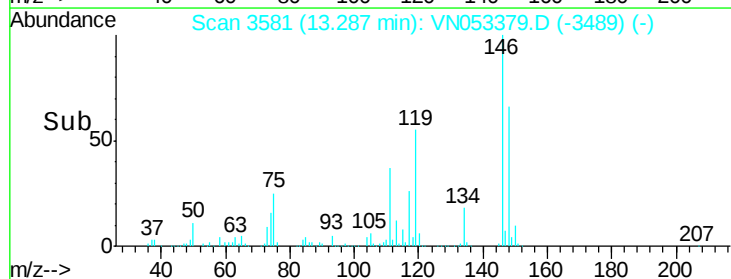
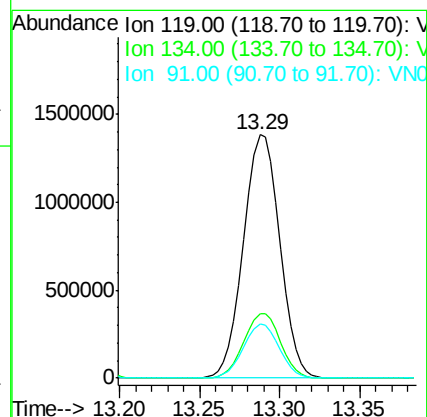
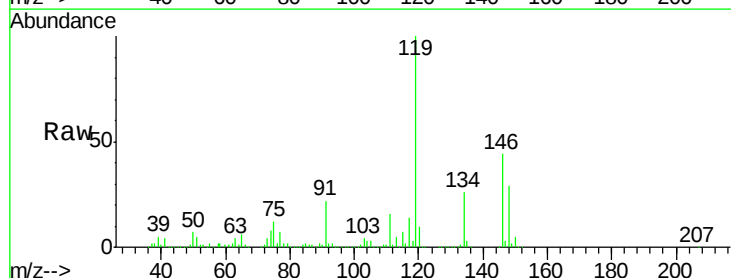
Tgt Ion:119 Resp: 2138286

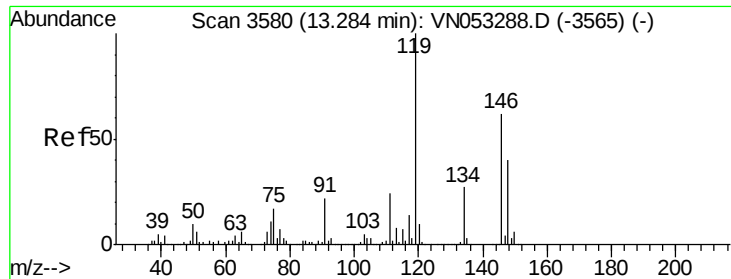
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 52.424 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1112020

Ion Ratio Lower Upper

146 100

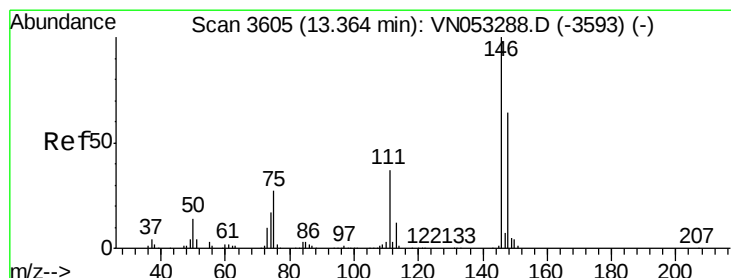
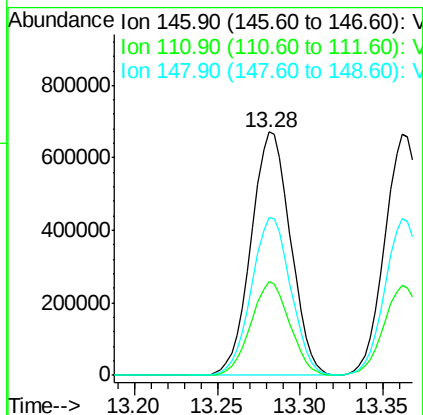
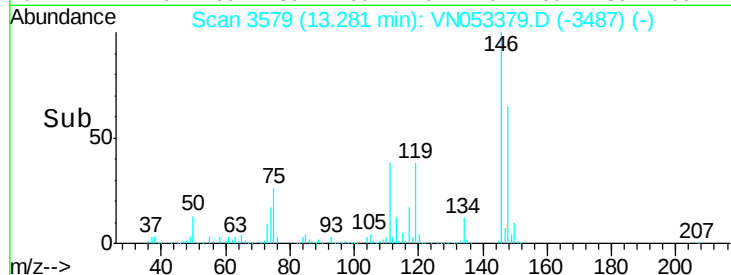
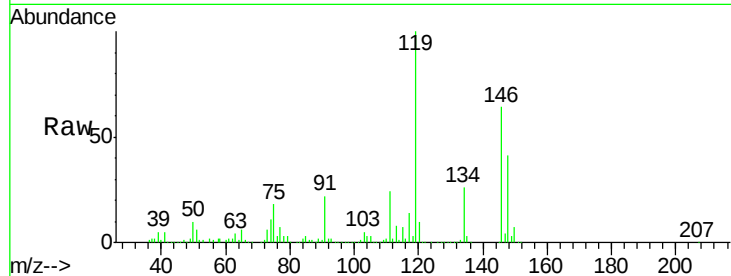
111 37.9 18.9 56.5

148 64.6 32.0 96.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.845 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053379.D

Acq: 14 Jan 2019 9:31

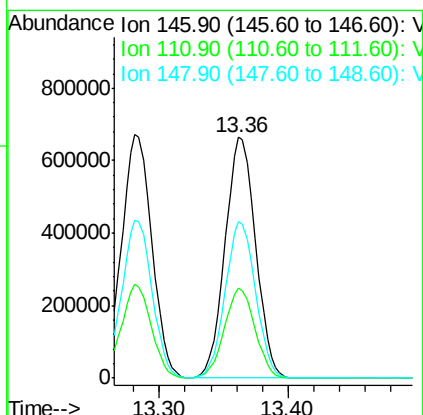
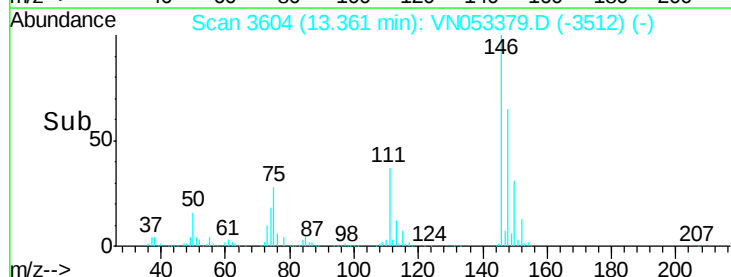
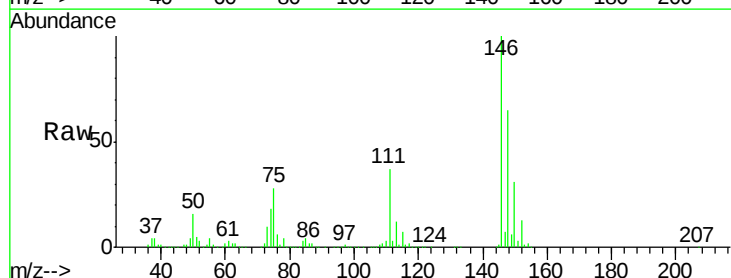
Tgt Ion:146 Resp: 1090930

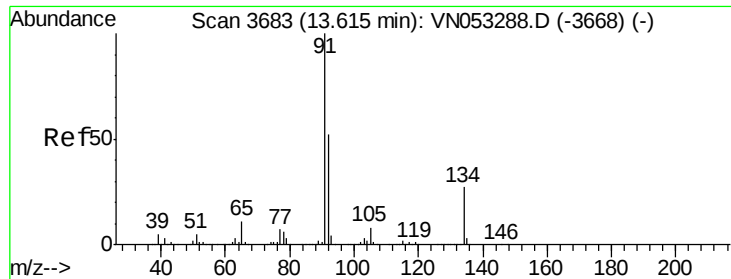
Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

148 64.6 32.0 96.0





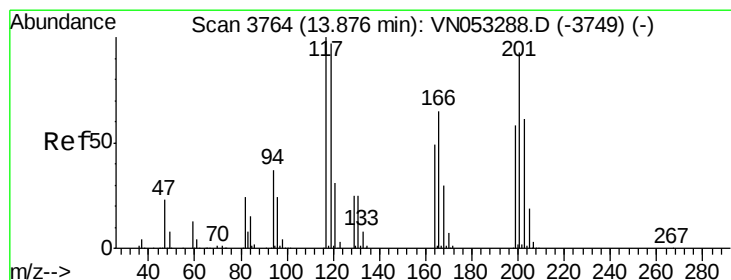
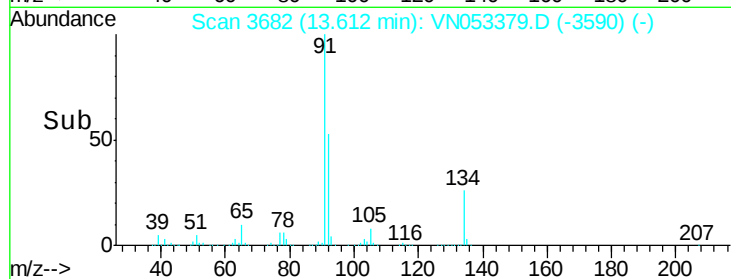
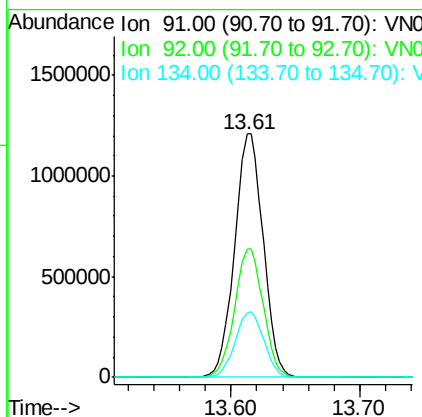
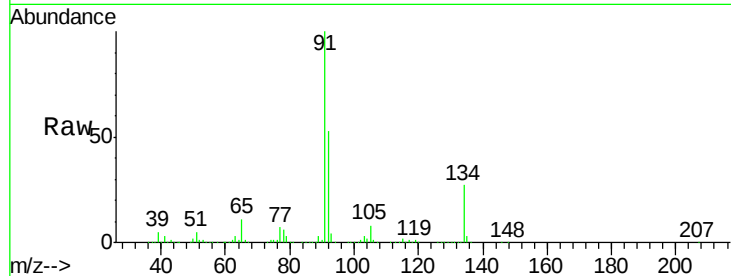
#89
n-Butylbenzene
Concen: 60.781 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1855891
Ion Ratio Lower Upper
91 100
92 52.8 26.3 78.8
134 27.1 13.5 40.5

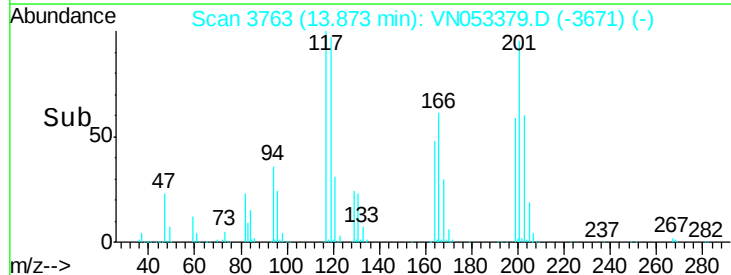
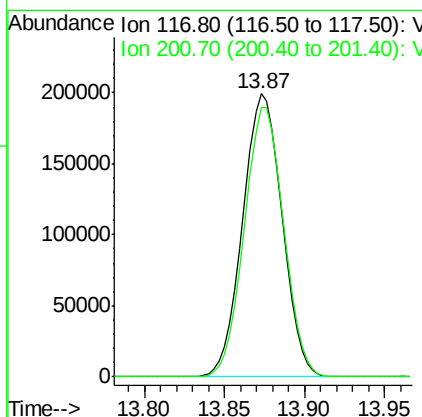
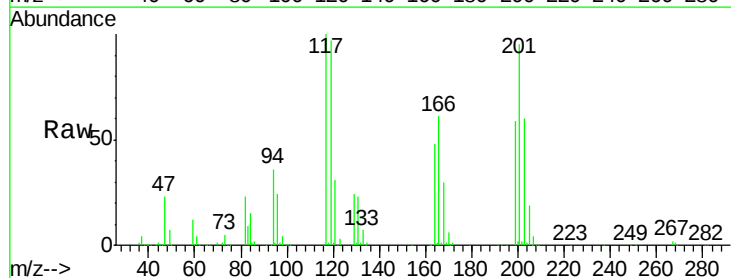
Manual Integrations
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#90
Hexachloroethane
Concen: 57.423 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion: 117 Resp: 335199
Ion Ratio Lower Upper
117 100
201 95.2 46.1 138.3





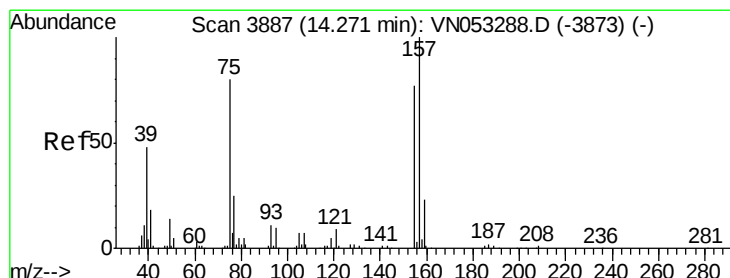
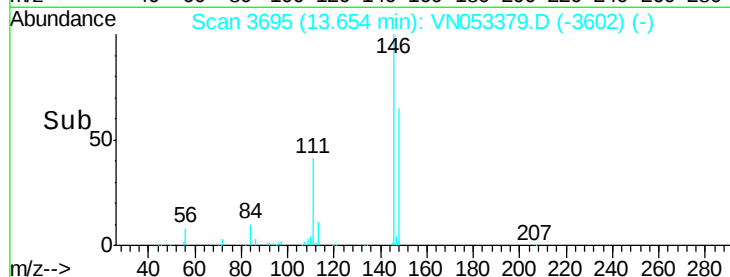
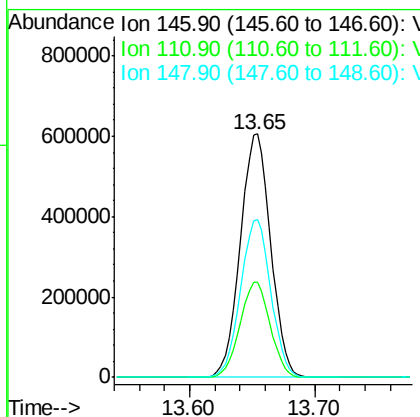
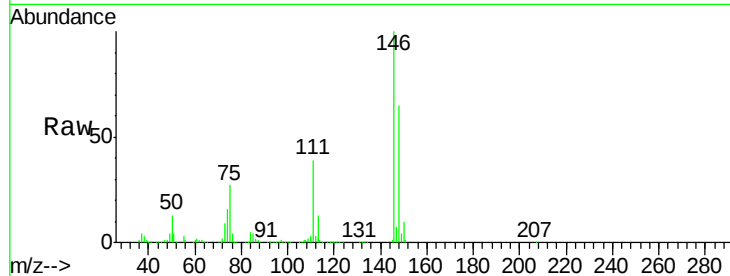
#91
 1,2-Dichlorobenzene
 Concen: 51.320 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.2
148	64.5	32.2	96.6

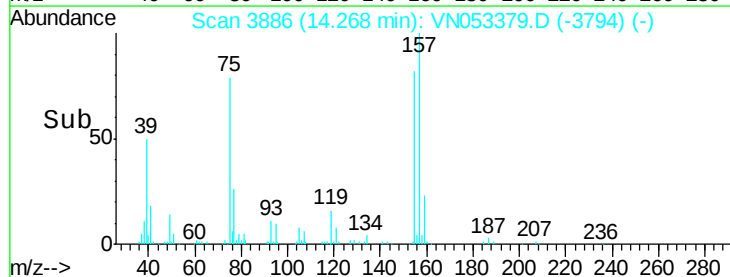
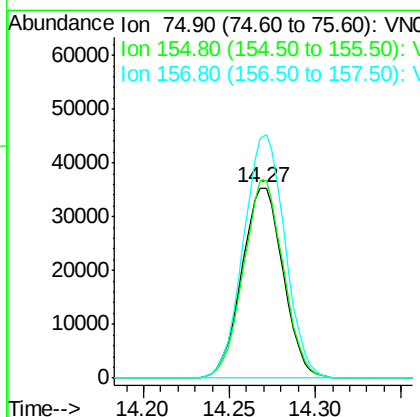
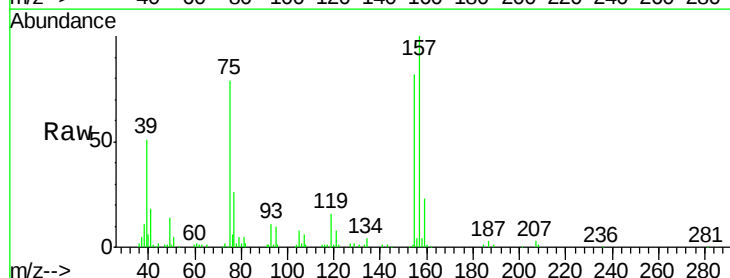
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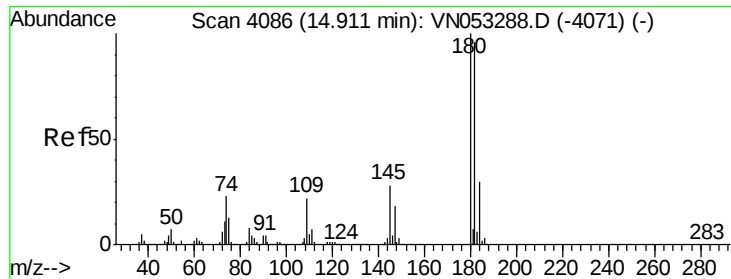
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.970 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.5	48.1	144.3
157	127.9	61.5	184.4





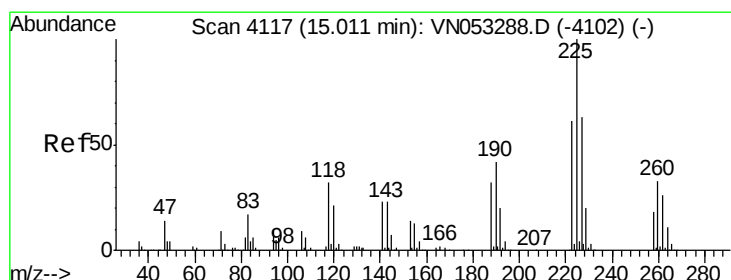
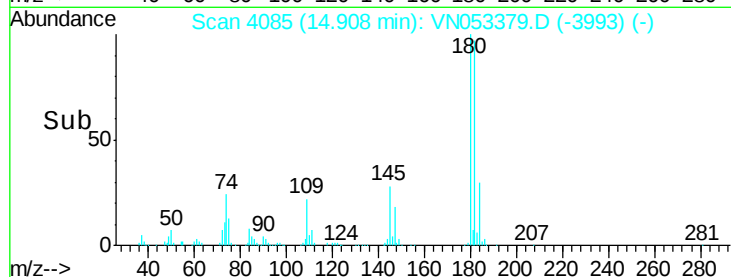
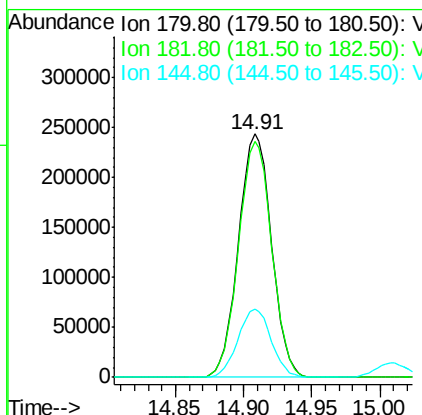
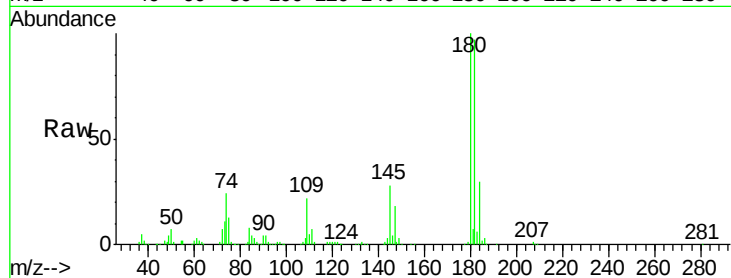
#93
 1,2,4-Trichlorobenzene
 Concen: 65.502 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	409223		
182	97.4		47.8	143.4
145	28.2		14.4	43.0

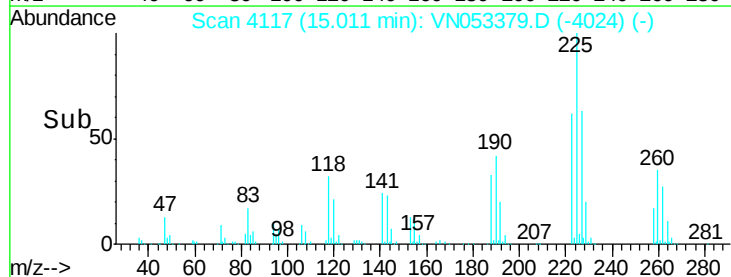
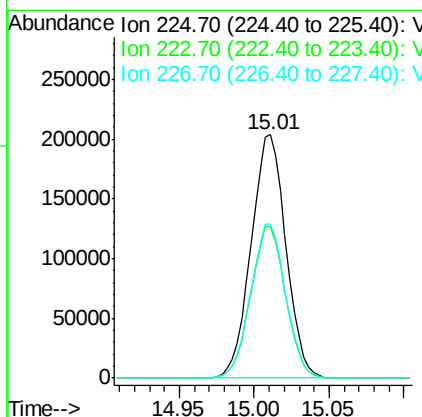
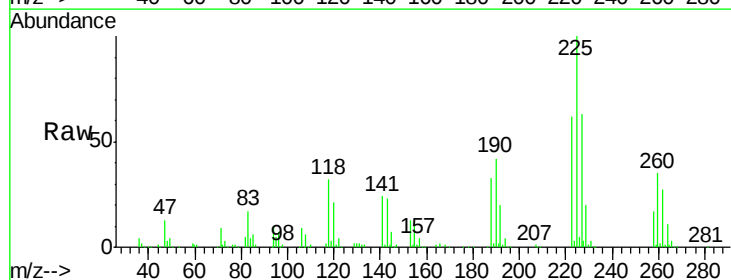
Manual Integrations
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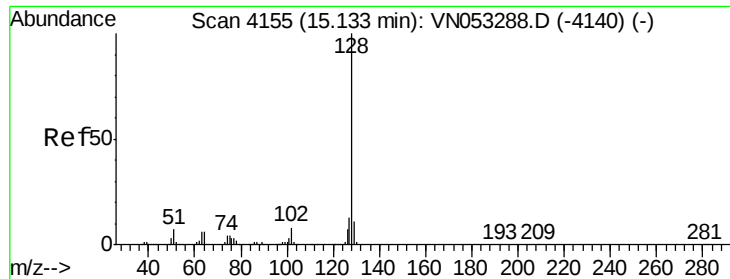
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 1/15/2019 11:14:01 AM



#94
 Hexachlorobutadiene
 Concen: 64.445 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053379.D
 Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	329313		
223	62.2		30.9	92.8
227	64.0		31.4	94.2





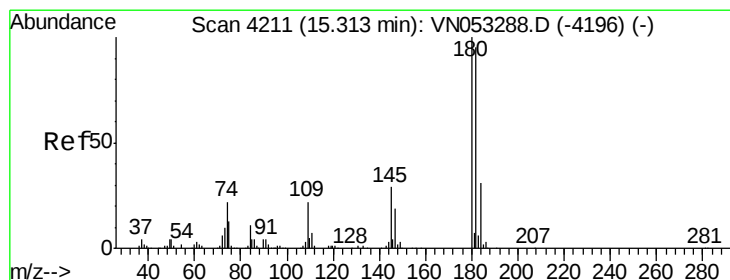
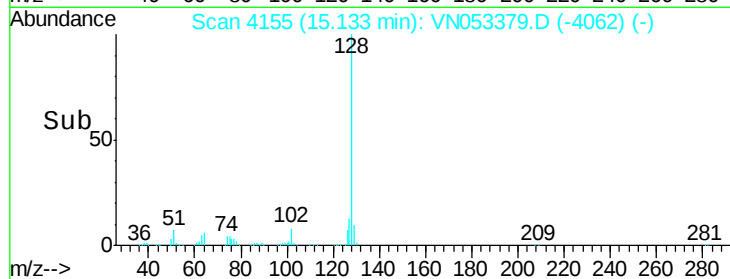
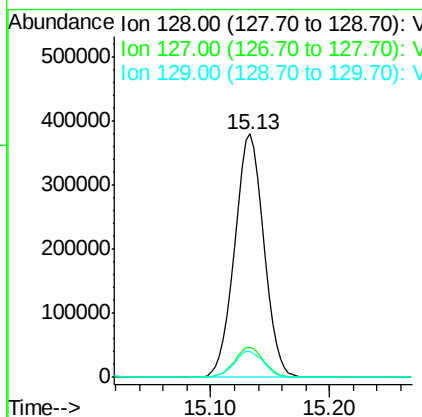
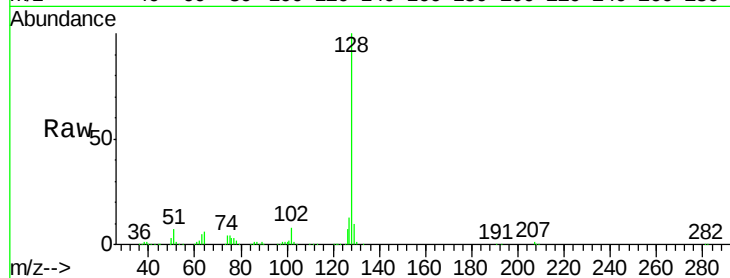
#95
Naphthalene
Concen: 60.447 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 69.149 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053379.D
Acq: 14 Jan 2019 9:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.4	145.0
145	29.8	14.9	44.5

