

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054279.D
 Acq On : 14 Mar 2019 23:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:08:24 AM

Quant Time: Mar 15 08:13:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1332077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2078792	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1833002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	890353	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	731048	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
35) Dibromofluoromethane	7.59	113	689495	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.09	98	2502867	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
62) 4-Bromofluorobenzene	12.40	95	867825	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	658278	52.142	ug/l	98
3) Chloromethane	2.06	50	625052	50.969	ug/l	99
4) Vinyl Chloride	2.19	62	703188	50.168	ug/l	100
5) Bromomethane	2.57	94	445369	45.878	ug/l	100
6) Chloroethane	2.71	64	423773	49.969	ug/l	99
7) Trichlorofluoromethane	3.02	101	921435	49.445	ug/l	100
8) Diethyl Ether	3.41	74	468660	55.187	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	754157	54.004	ug/l	99
10) Methyl Iodide	3.94	142	933532	47.160	ug/l	99
11) Tert butyl alcohol	4.82	59	249619	257.387	ug/l	98
12) 1,1-Dichloroethene	3.73	96	749776	54.179	ug/l	98
13) Acrolein	3.61	56	135446	147.386	ug/l	100
14) Allyl chloride	4.31	41	904172	50.923	ug/l	100
15) Acrylonitrile	5.00	53	1122829	281.854	ug/l	99
16) Acetone	3.82	43	820624	202.597	ug/l	99
17) Carbon Disulfide	4.04	76	1623448	46.796	ug/l	100
18) Methyl Acetate	4.33	43	506623	61.822	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1891097	55.131	ug/l	99
20) Methylene Chloride	4.54	84	711827	53.521	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	699503	52.755	ug/l	100
22) Diisopropyl ether	5.96	45	1959010	55.281	ug/l	96
23) Vinyl Acetate	5.90	43	7075705	270.809	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1223237	53.760	ug/l	99
25) 2-Butanone	6.85	43	1288005	270.927	ug/l	99
26) 2,2-Dichloropropane	6.82	77	850044	42.482	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	821253	55.519	ug/l	97
28) Bromochloromethane	7.19	49	478535	51.445	ug/l	94
29) Tetrahydrofuran	7.22	42	843685	276.012	ug/l	99
30) Chloroform	7.37	83	1310882	55.211	ug/l	100
31) Cyclohexane	7.65	56	1077346	50.661	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1140884	53.205	ug/l	99
36) 1,1-Dichloropropene	7.79	75	975340	50.948	ug/l	99
37) Ethyl Acetate	6.94	43	580228	52.749	ug/l	99
38) Carbon Tetrachloride	7.77	117	1003645	49.993	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1180351	50.112	ug/l	98
40) Benzene	8.04	78	2874154	52.465	ug/l	100
41) Methacrylonitrile	7.18	41	318742	50.750	ug/l	98
42) 1,2-Dichloroethane	8.13	62	969549	52.421	ug/l	99
43) Isopropyl Acetate	8.17	43	1015121	52.576	ug/l	98
44) Trichloroethene	8.83	130	891524	52.387	ug/l	99
45) 1,2-Dichloropropane	9.12	63	726525	53.409	ug/l	100
46) Dibromomethane	9.21	93	486999	52.987	ug/l	99
47) Bromodichloromethane	9.40	83	981074	53.246	ug/l	98
48) Methyl methacrylate	9.20	41	535798	54.682	ug/l	97
49) 1,4-Dioxane	9.21	88	155610	1122.753	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2812946	275.299	ug/l	98
52) Toluene	10.16	92	1858604	53.507	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	940138	44.825	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1091205	50.821	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	686634	54.137	ug/l	99
56) Ethyl methacrylate	10.43	69	836796	55.332	ug/l	96
57) 1,3-Dichloropropane	10.71	76	1121614	54.083	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1584736	242.105	ug/l	99
59) 2-Hexanone	10.75	43	1800410	264.809	ug/l	99
60) Dibromochloromethane	10.90	129	772717	54.128	ug/l	100
61) 1,2-Dibromoethane	11.01	107	710298	55.109	ug/l	100
64) Tetrachloroethene	10.63	164	909786	51.336	ug/l	99
65) Chlorobenzene	11.43	112	2138432	53.132	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	796978	54.509	ug/l	99
67) Ethyl Benzene	11.51	91	3495459	52.392	ug/l	100
68) m/p-Xylenes	11.62	106	2765760	106.064	ug/l	100
69) o-Xylene	11.95	106	1363806	53.651	ug/l	99
70) Styrene	11.96	104	2179557	54.671	ug/l	99
71) Bromoform	12.13	173	515259	46.408	ug/l	100
73) Isopropylbenzene	12.25	105	3599578	50.532	ug/l	100
74) N-amyl acetate	12.07	43	827890	52.360	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	814378	53.660	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	675918m	51.624	ug/l	
77) Bromobenzene	12.53	156	984146	52.211	ug/l	96
78) n-propylbenzene	12.59	91	3925145	50.782	ug/l	99
79) 2-Chlorotoluene	12.67	91	2350792	50.583	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3006478	50.741	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	163519	42.693	ug/l	92
82) 4-Chlorotoluene	12.77	91	2356623	50.783	ug/l	99
83) tert-Butylbenzene	12.99	119	2776599	50.912	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3051590	52.497	ug/l	100
85) sec-Butylbenzene	13.17	105	3570365	50.481	ug/l	100
86) p-Isopropyltoluene	13.29	119	3155535	50.855	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1675639	52.756	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1642991	52.657	ug/l	99
89) n-Butylbenzene	13.62	91	2455976	52.093	ug/l	100
90) Hexachloroethane	13.88	117	495021	48.180	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1660230	53.469	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	122117	51.998	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	943492	50.314	ug/l	99
94) Hexachlorobutadiene	15.01	225	578226	48.890	ug/l	100
95) Naphthalene	15.13	128	1958662	50.146	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	942858	57.151	ug/l	100

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

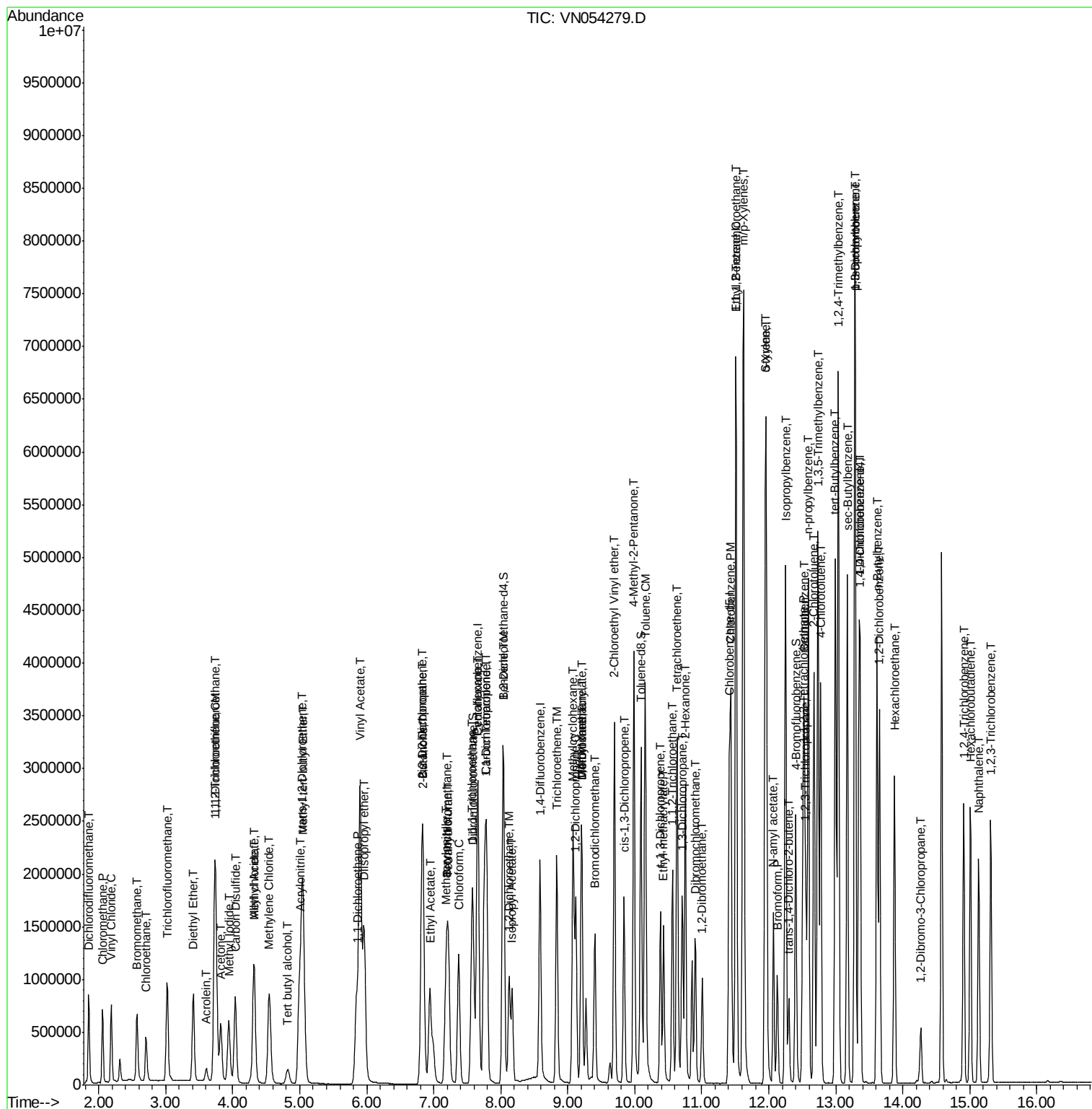
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
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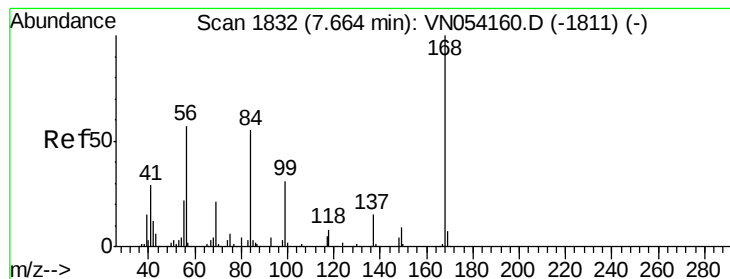
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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Quant Title : SW846 8260
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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: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 1332077

Ion Ratio Lower Upper

168 100

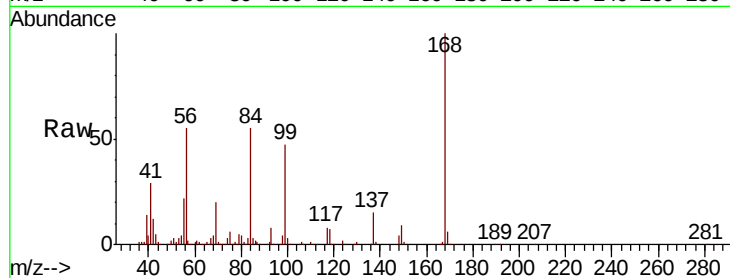
99 46.1 37.1 55.7

Manual Integrations

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3/15/2019 10:08:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

600000

500000

400000

300000

200000

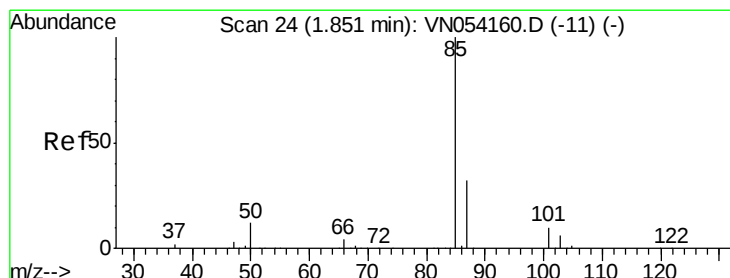
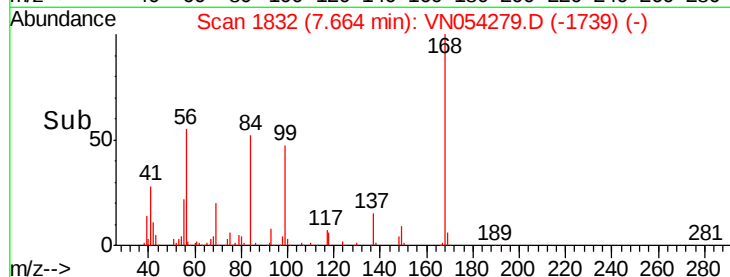
100000

0

7.66

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.142 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054279.D

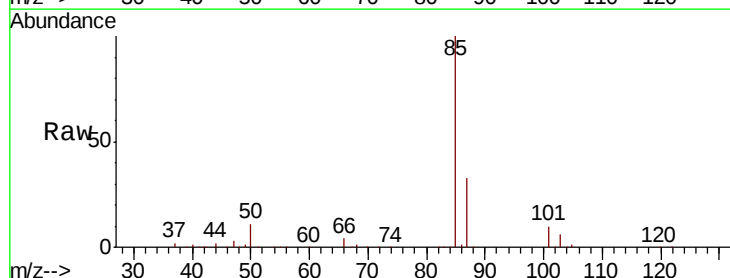
Acq: 14 Mar 2019 23:32

Tgt Ion: 85 Resp: 658278

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

500000

400000

300000

200000

100000

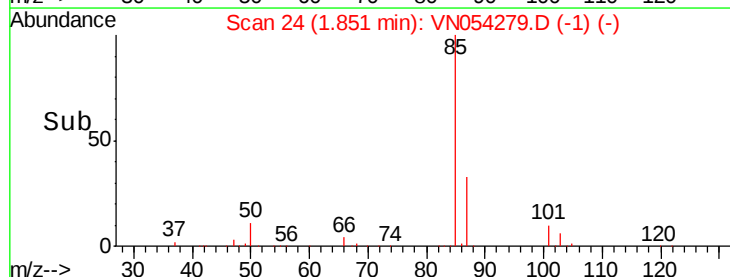
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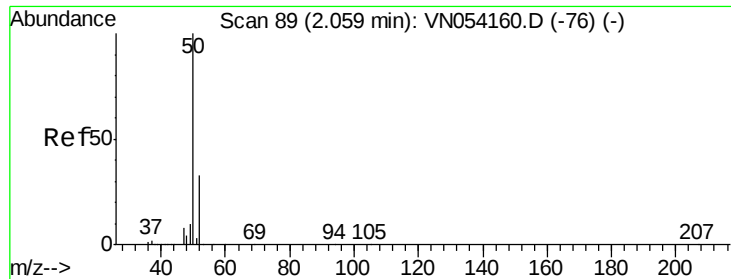
1.85

1.90

1.95

Time-->





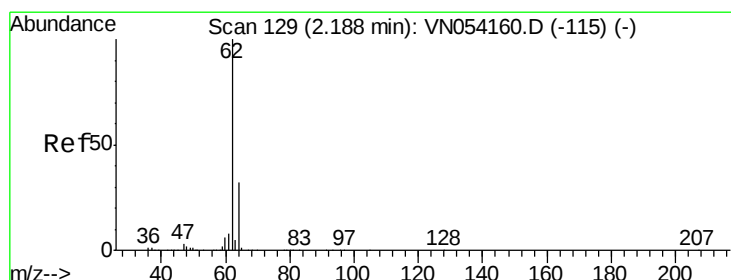
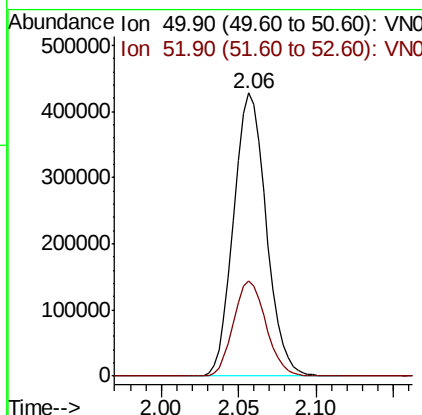
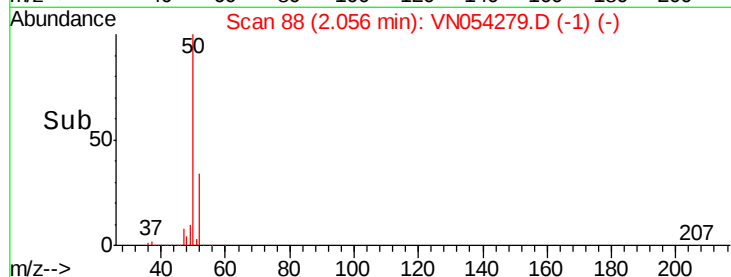
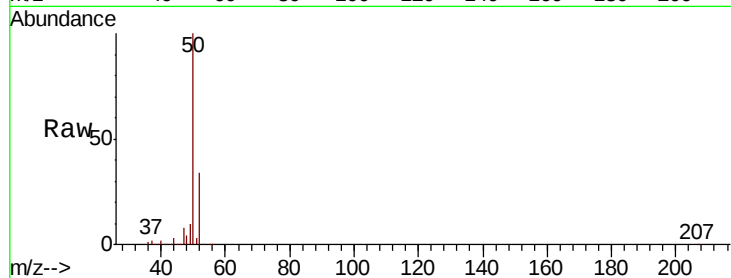
#3
Chloromethane
Concen: 50.969 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.4	39.6

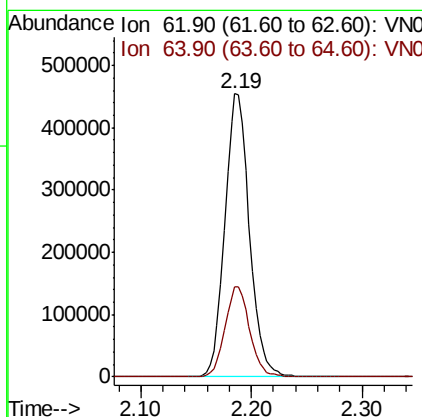
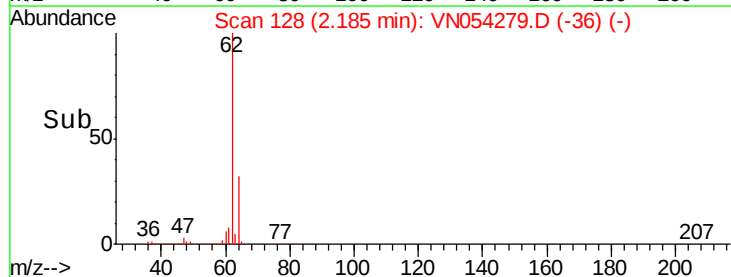
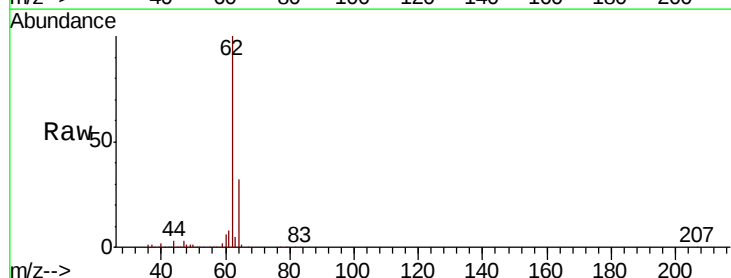
Manual Integrations
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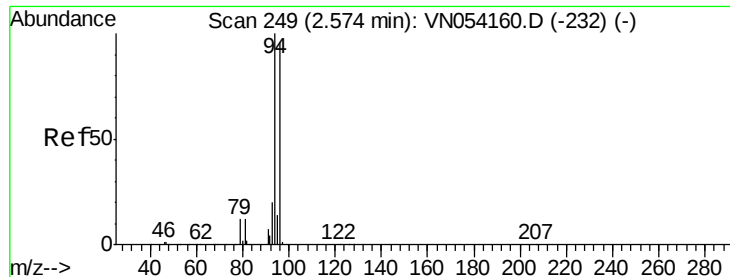
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#4
Vinyl Chloride
Concen: 50.168 ug/l
RT: 2.19 min Scan# 128
Delta R.T. -0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.5	38.3





#5

Bromomethane

Concen: 45.878 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 94 Resp: 445369

Ion Ratio Lower Upper

94 100

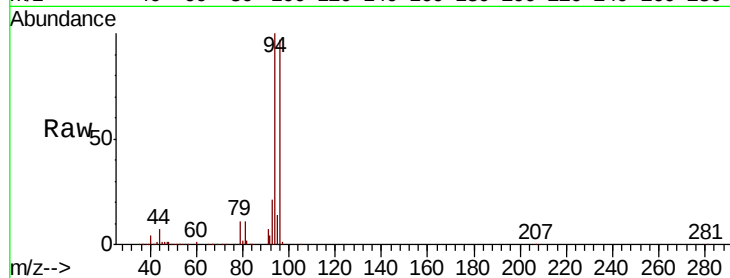
96 96.6 77.0 115.4

Manual Integrations

APPROVED

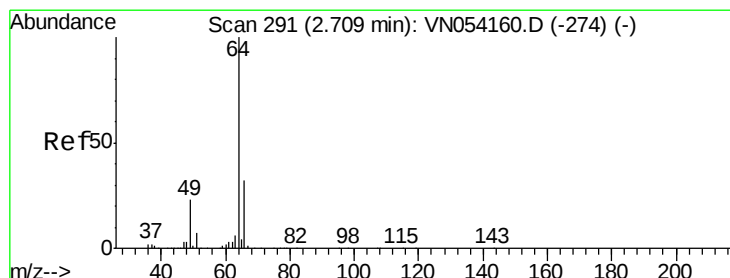
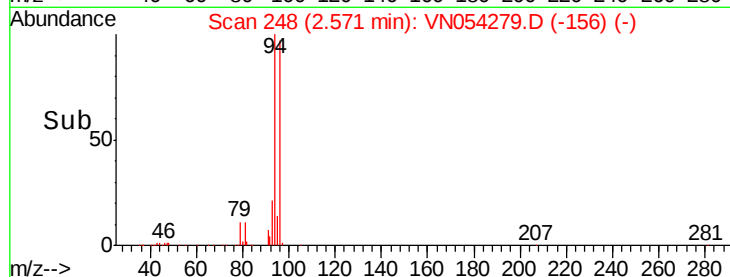
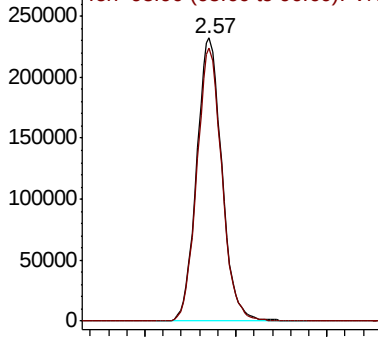
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3/15/2019 10:08:24 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.969 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054279.D

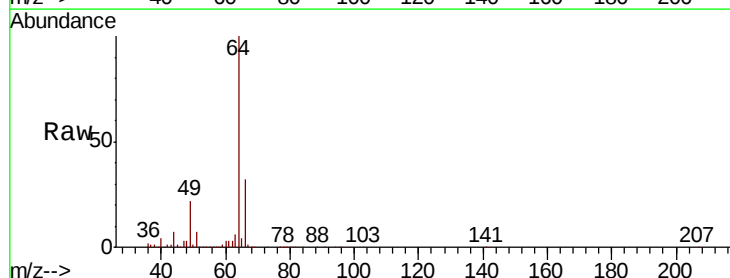
Acq: 14 Mar 2019 23:32

Tgt Ion: 64 Resp: 423773

Ion Ratio Lower Upper

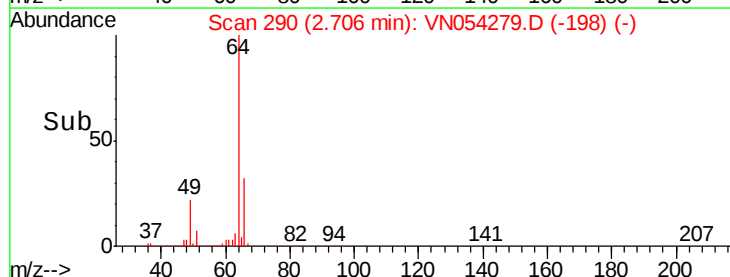
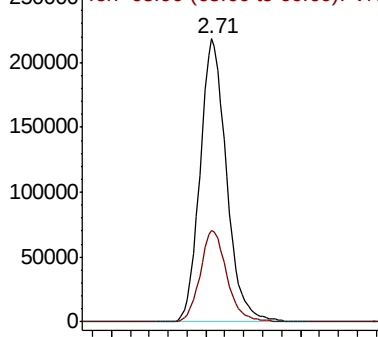
64 100

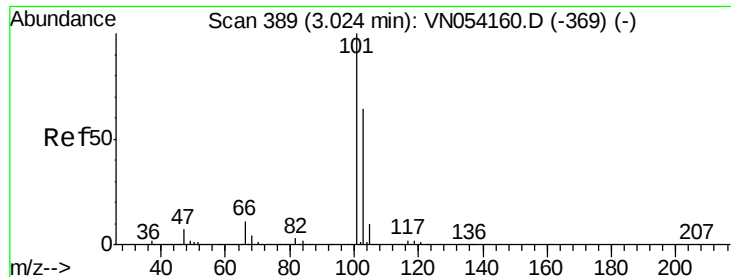
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

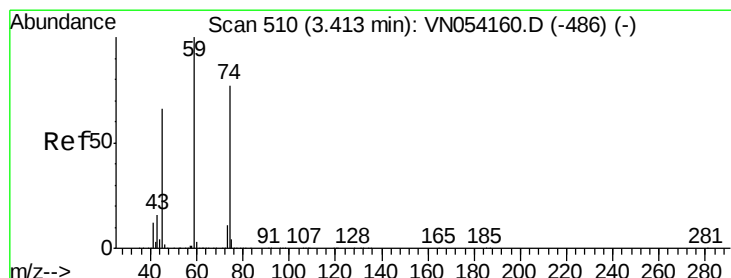
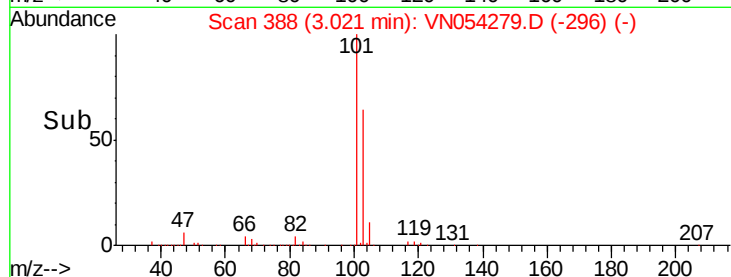
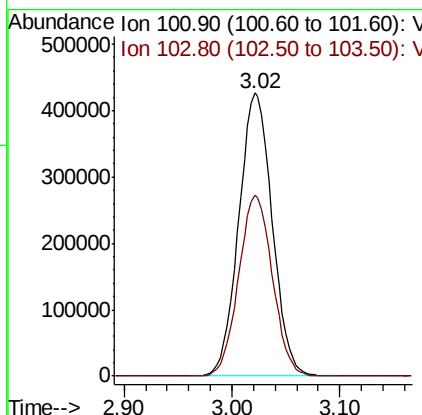
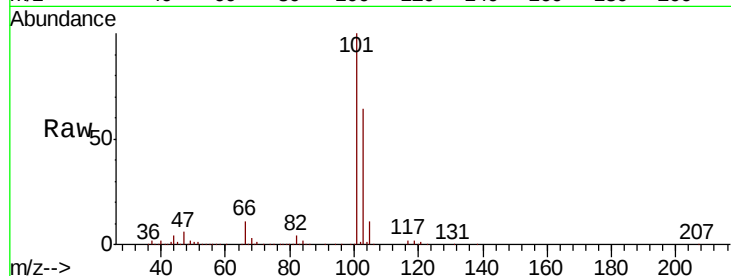
Trichlorofluoromethane
 Concen: 49.445 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

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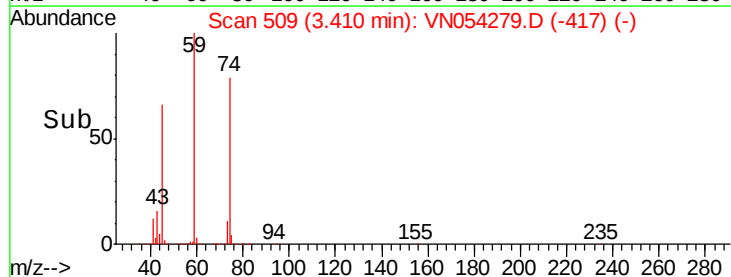
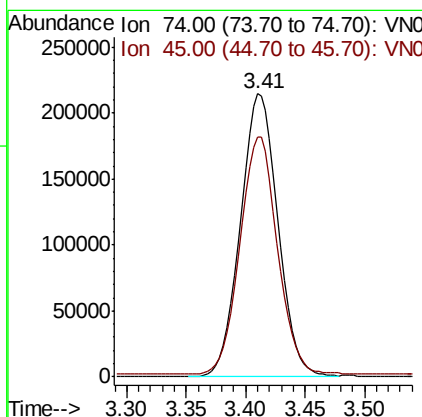
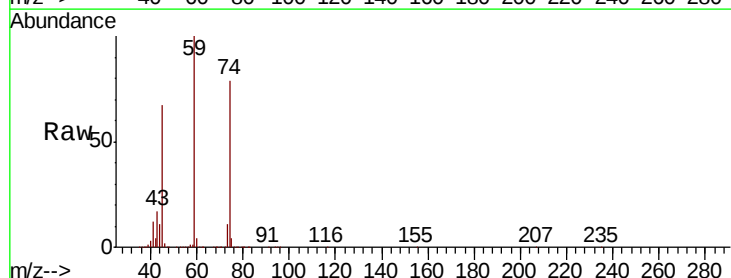
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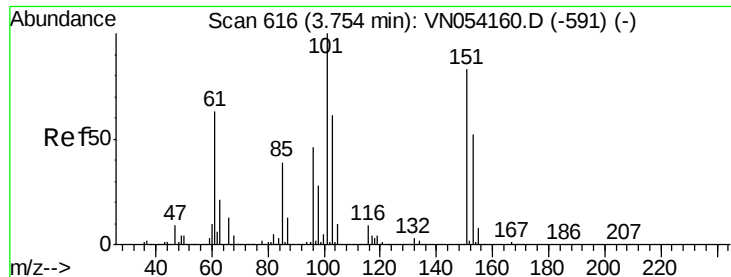


#8

Diethyl Ether
 Concen: 55.187 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.004 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

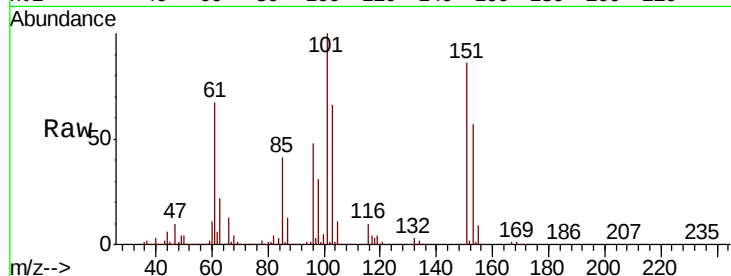
ClientSampleId :

VSTDCCC050

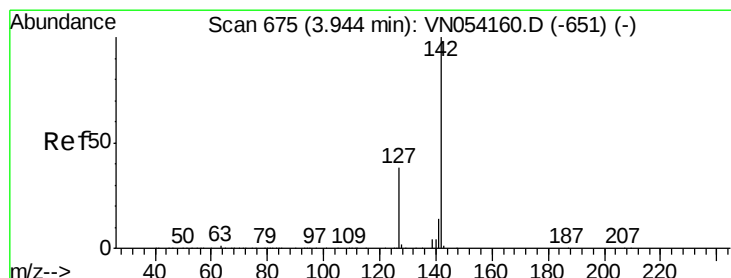
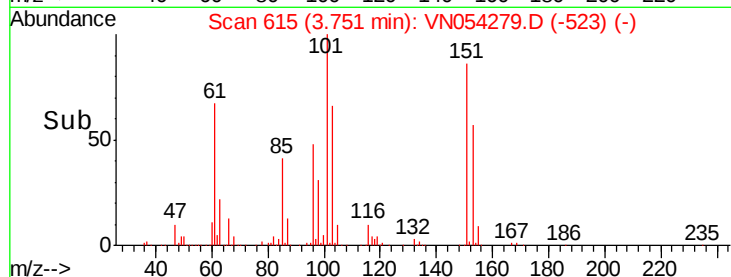
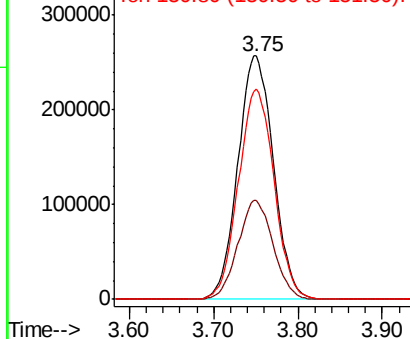
Tgt Ion:	101	Resp:	754157
Ion Ratio	Lower	Upper	
101	100		
85	40.2	32.4	48.6
151	86.5	68.2	102.2

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



#10

Methyl Iodide

Concen: 47.160 ug/l

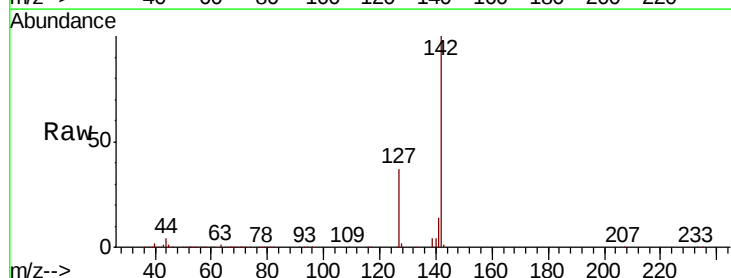
RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

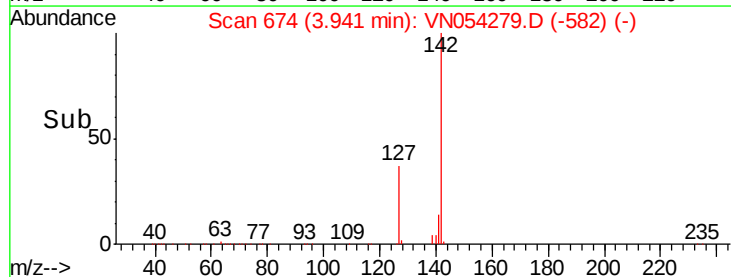
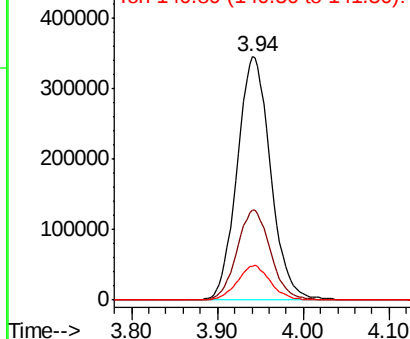
Lab File: VN054279.D

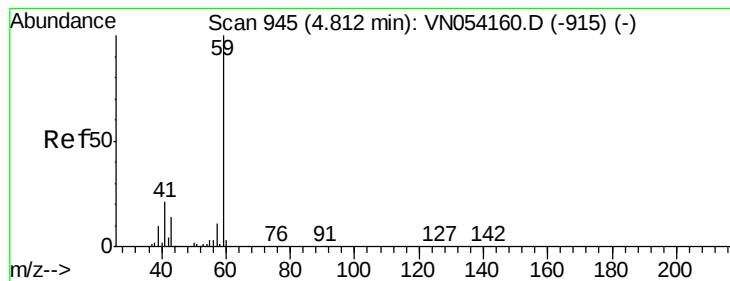
Acq: 14 Mar 2019 23:32

Tgt Ion:	142	Resp:	933532
Ion Ratio	Lower	Upper	
142	100		
127	37.2	30.3	45.5
141	14.2	11.2	16.8



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





#11

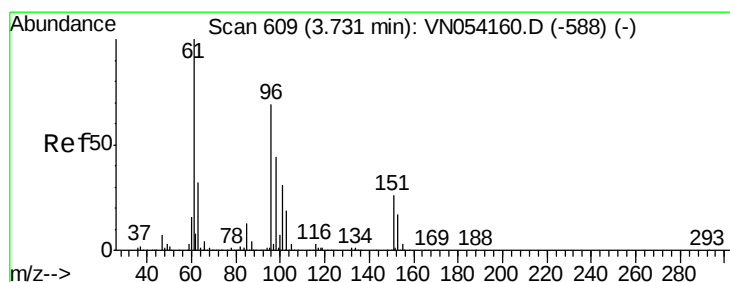
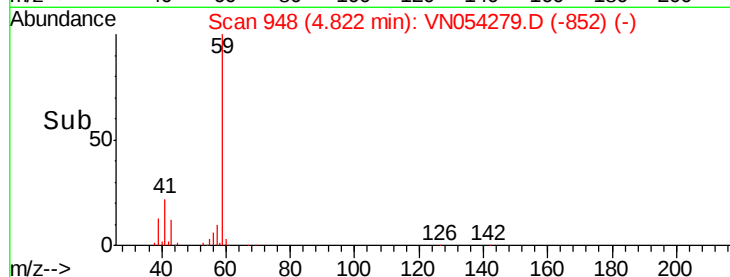
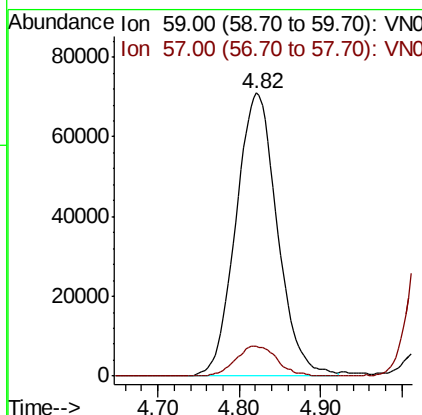
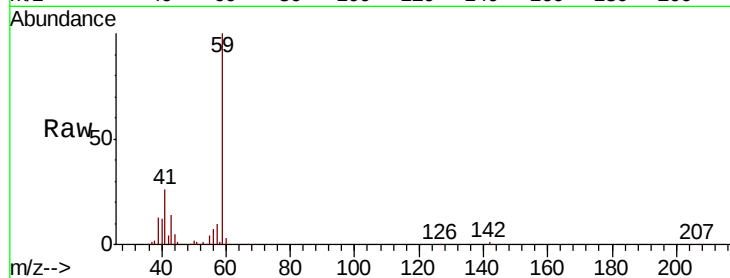
Tert butyl alcohol
 Concen: 257.387 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.01 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.0	13.6

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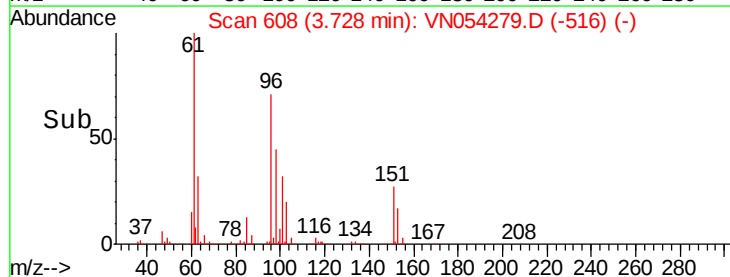
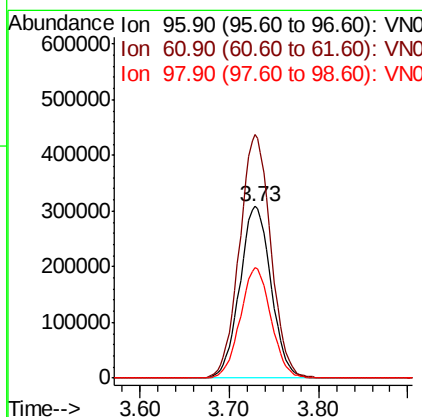
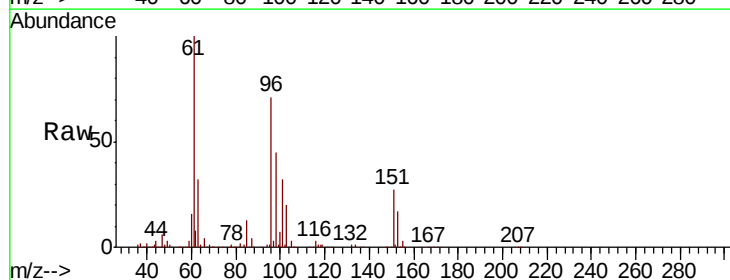
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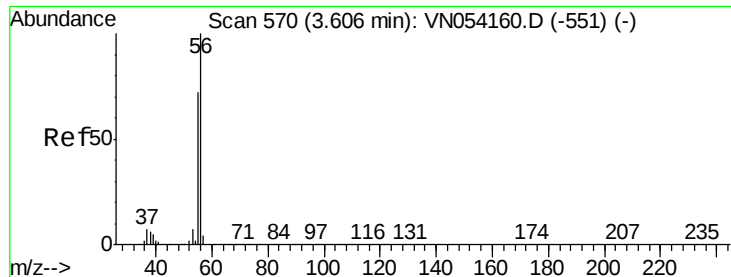


#12

1,1-Dichloroethene
 Concen: 54.179 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.9	116.5	174.7
98	64.2	51.0	76.4





#13

Acrolein

Concen: 147.386 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 135446

Ion Ratio Lower Upper

56 100

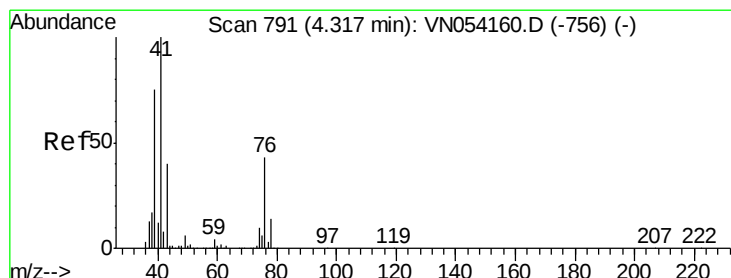
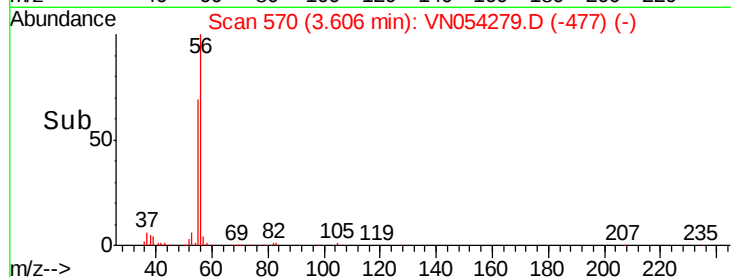
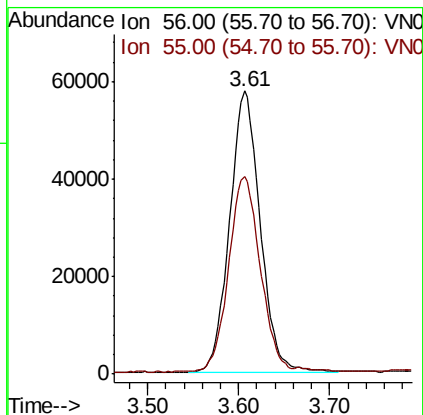
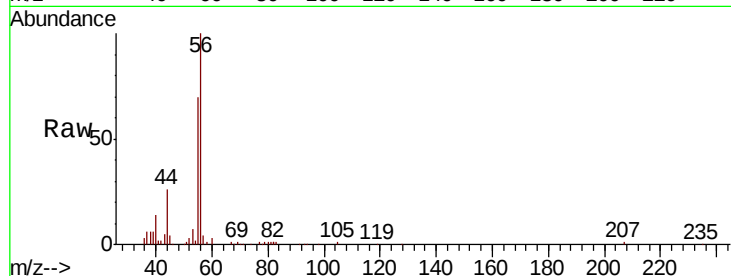
55 70.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.923 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

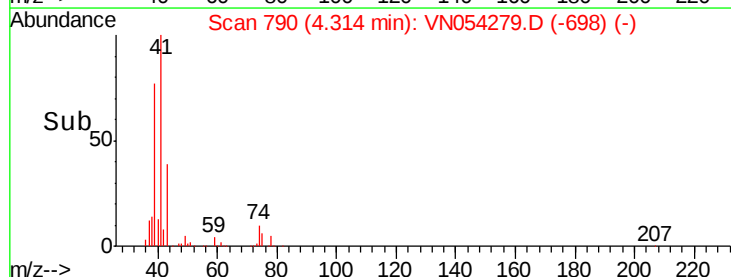
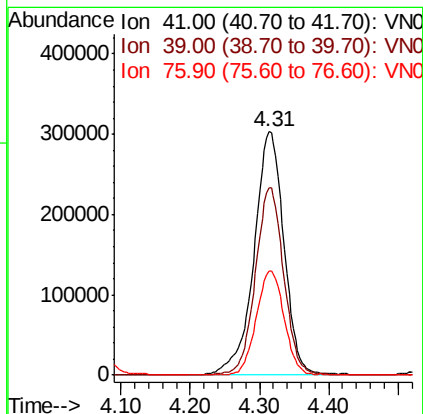
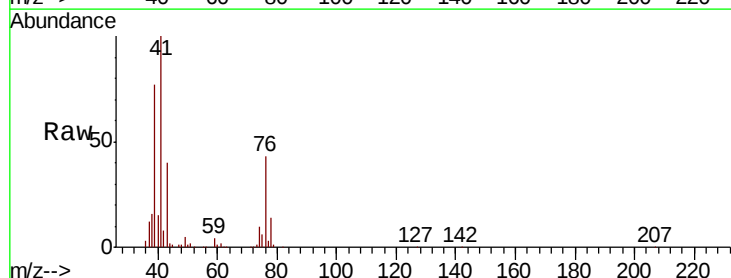
Tgt Ion: 41 Resp: 904172

Ion Ratio Lower Upper

41 100

39 73.0 58.2 87.4

76 39.8 31.7 47.5





#15

Acrylonitrile

Concen: 281.854 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tgt Ion: 53 Resp: 1122829

Ion Ratio Lower Upper

53 100

52 82.3 66.4 99.6

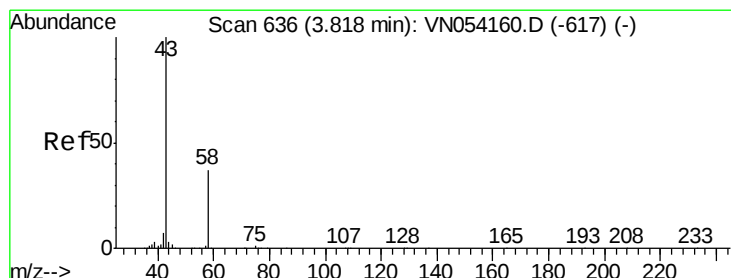
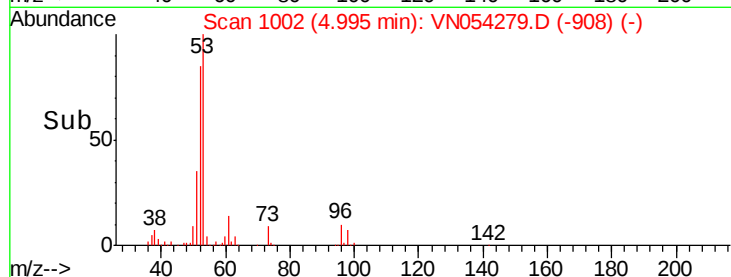
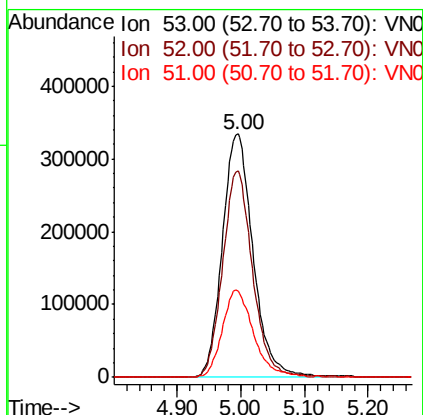
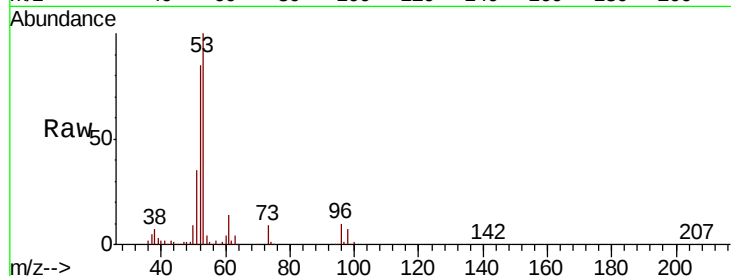
51 36.5 29.6 44.4

Manual Integrations

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#16

Acetone

Concen: 202.597 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054279.D

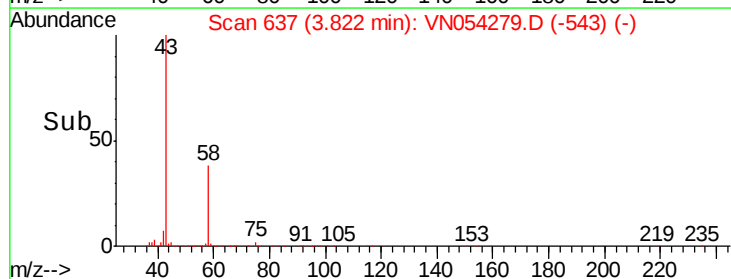
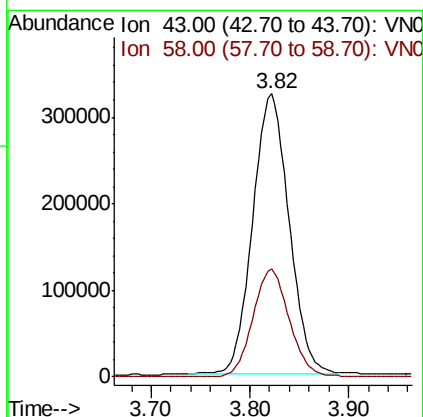
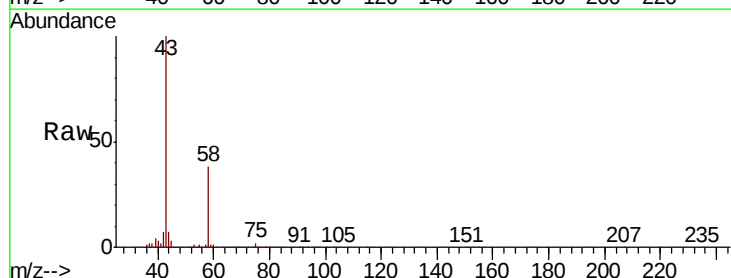
Acq: 14 Mar 2019 23:32

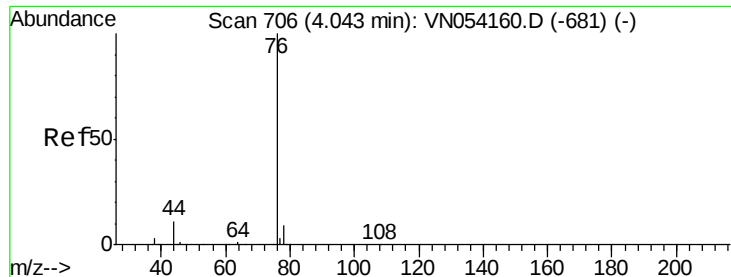
Tgt Ion: 43 Resp: 820624

Ion Ratio Lower Upper

43 100

58 38.2 29.9 44.9





#17

Carbon Disulfide

Concen: 46.796 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1623448

Ion Ratio Lower Upper

76 100

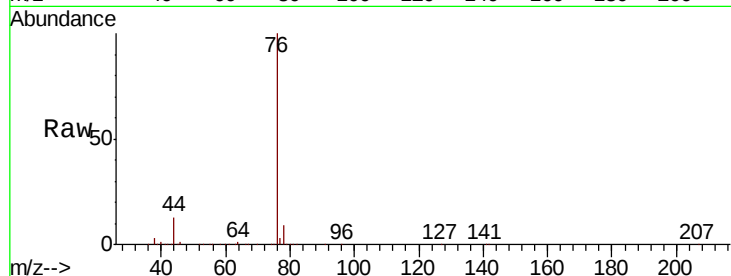
78 9.3 7.5 11.3

Manual Integrations

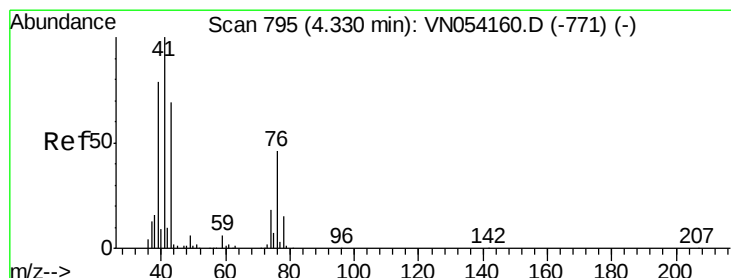
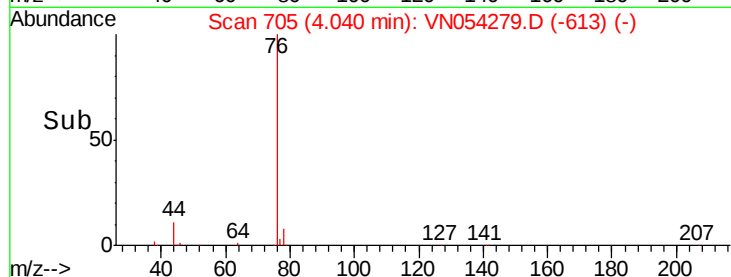
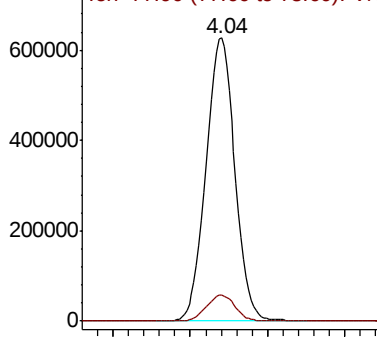
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Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 61.822 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054279.D

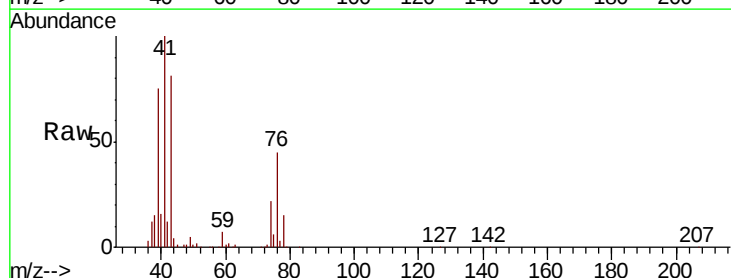
Acq: 14 Mar 2019 23:32

Tgt Ion: 43 Resp: 506623

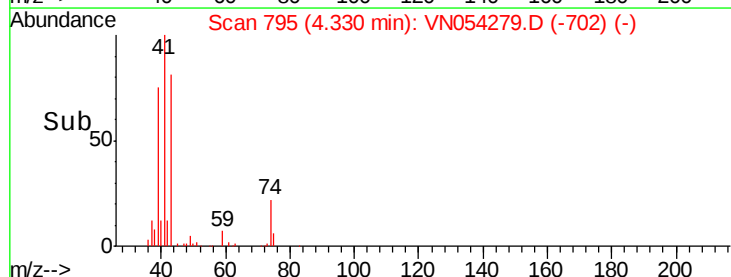
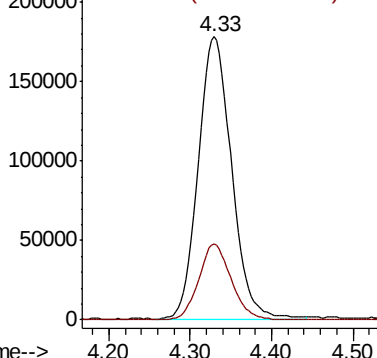
Ion Ratio Lower Upper

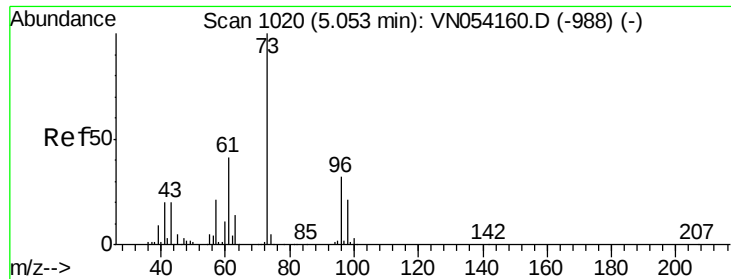
43 100

74 26.2 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





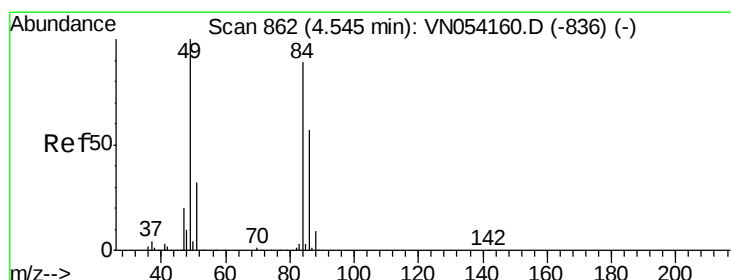
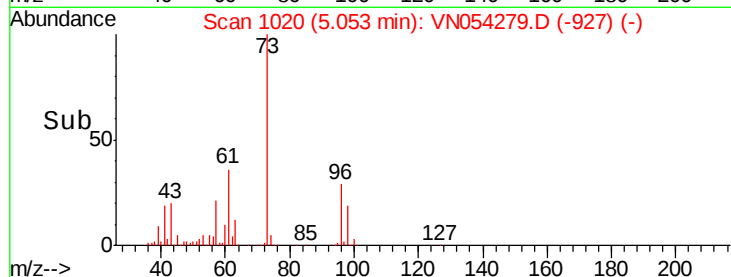
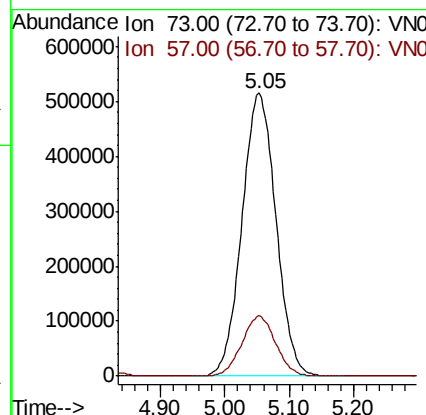
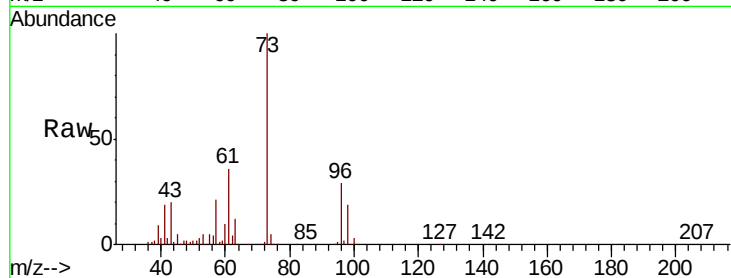
#19
Methyl tert-butyl Ether
Concen: 55.131 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 1891097
Ion Ratio Lower Upper
73 100
57 21.2 16.8 25.2

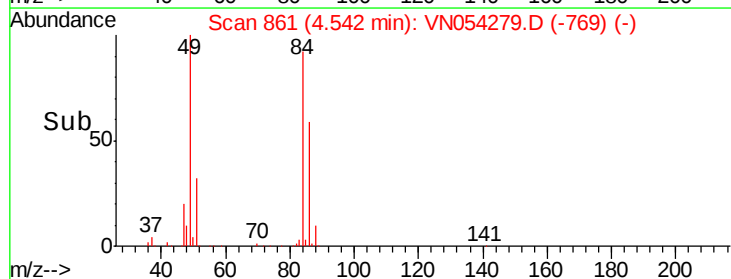
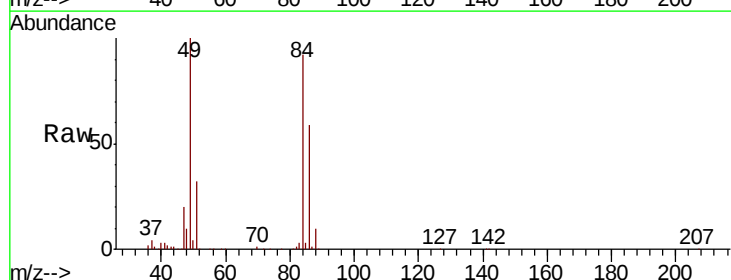
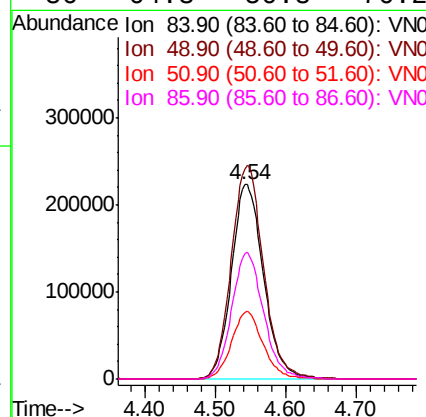
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#20
Methylene Chloride
Concen: 53.521 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 84 Resp: 711827
Ion Ratio Lower Upper
84 100
49 108.1 89.7 134.5
51 34.5 28.2 42.4
86 64.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 52.755 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

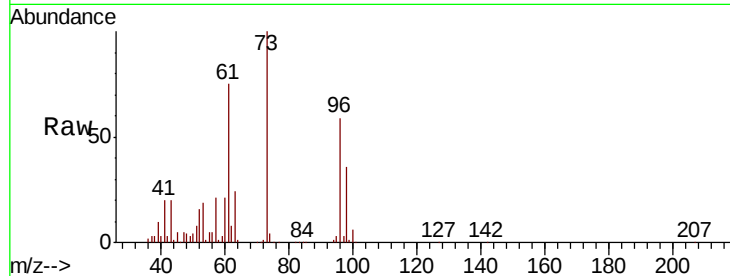
ClientSampleId :

VSTDCCC050

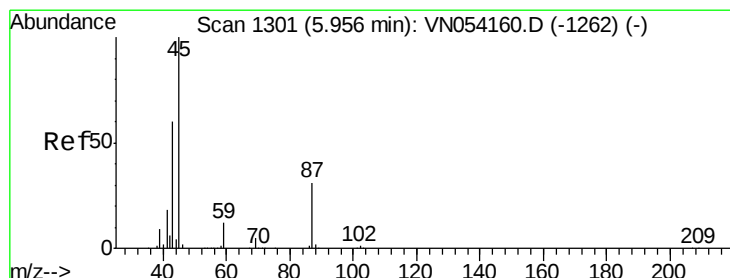
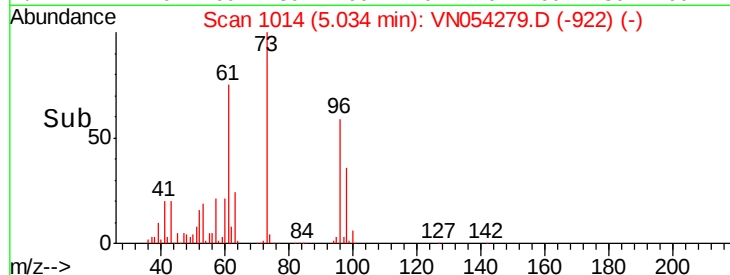
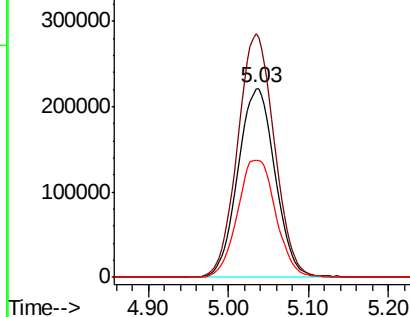
Tgt Ion:	96	Resp:	699503
Ion	Ratio	Lower	Upper
96	100		
61	128.9	102.8	154.2
98	62.0	50.0	75.0

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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: 55.281 ug/l

RT: 5.96 min Scan# 1302

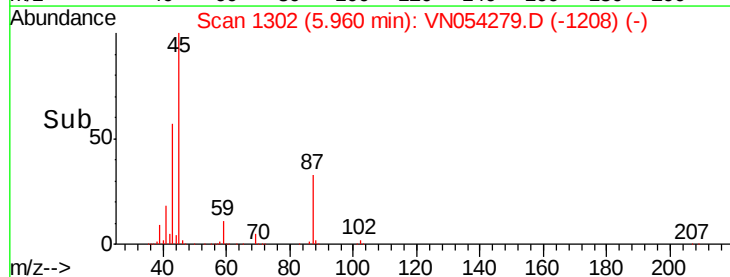
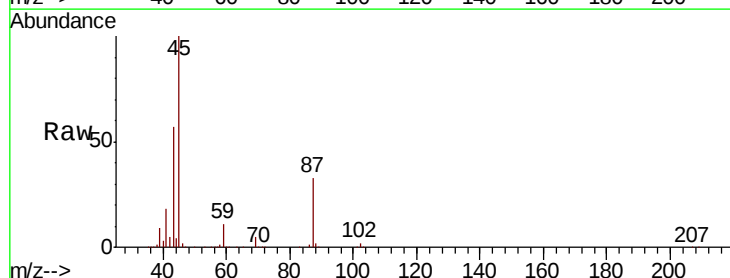
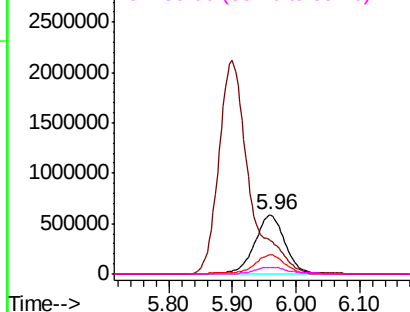
Delta R.T. 0.00 min

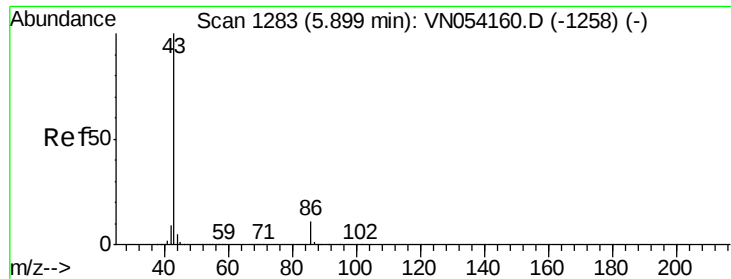
Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion:	45	Resp:	1959010
Ion	Ratio	Lower	Upper
45	100		
43	56.4	48.2	72.2
87	32.6	24.9	37.3
59	11.2	9.5	14.3

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





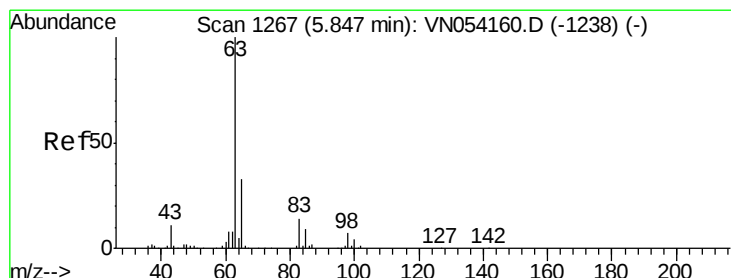
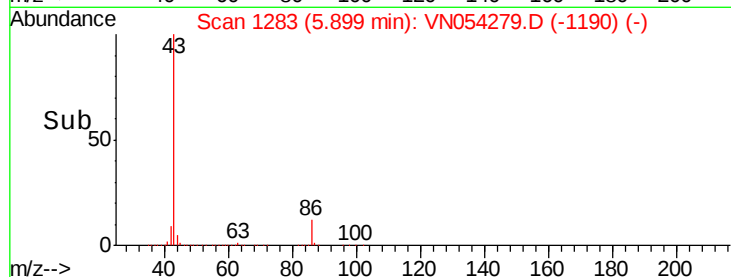
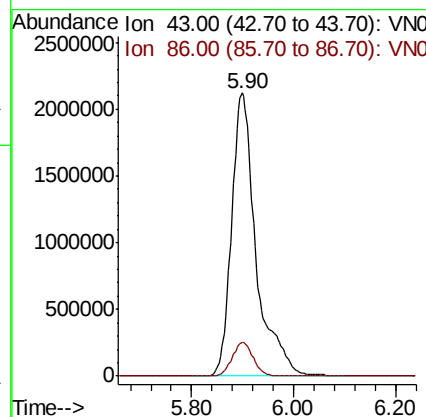
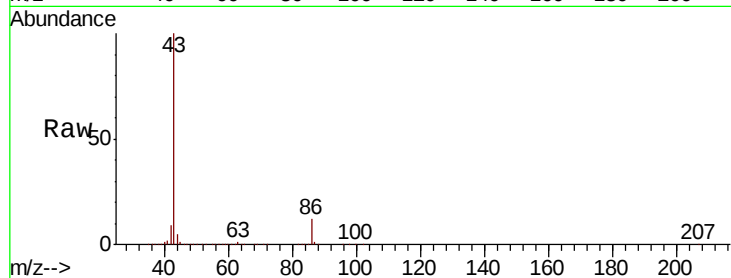
#23
 Vinyl Acetate
 Concen: 270.809 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 7075705
 Ion Ratio Lower Upper
 43 100
 86 11.9 9.1 13.7

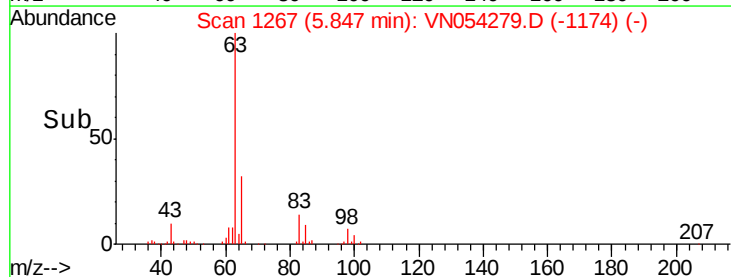
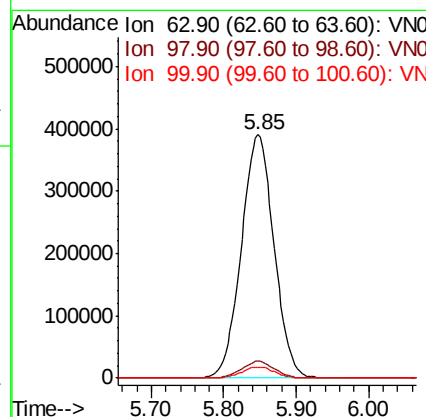
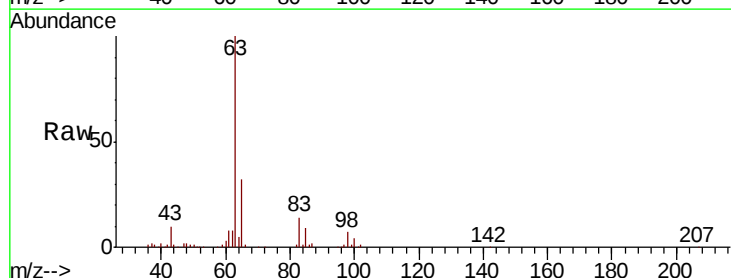
Manual Integrations
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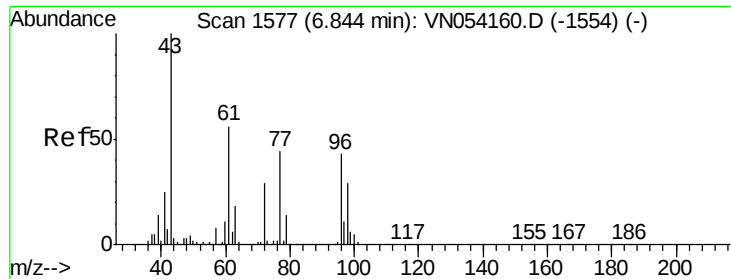
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#24
 1,1-Dichloroethane
 Concen: 53.760 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion: 63 Resp: 1223237
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.4 2.0 6.0





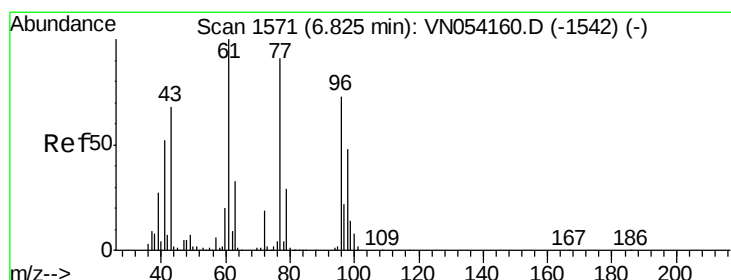
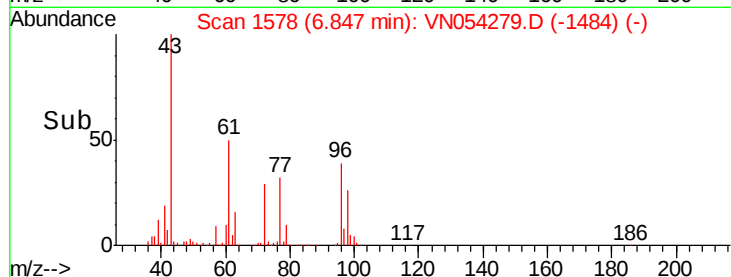
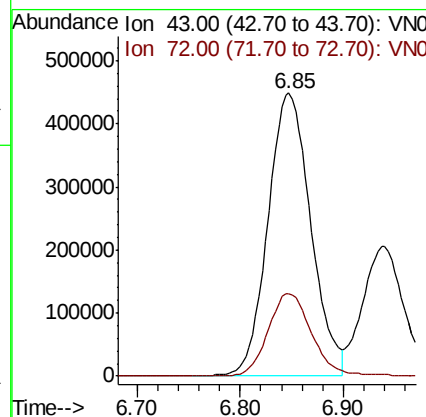
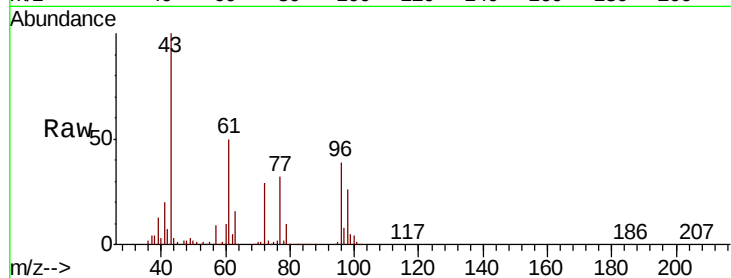
#25
2-Butanone
Concen: 270.927 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion: 43 Resp: 1288005
Ion Ratio Lower Upper
43 100
72 29.3 23.0 34.6

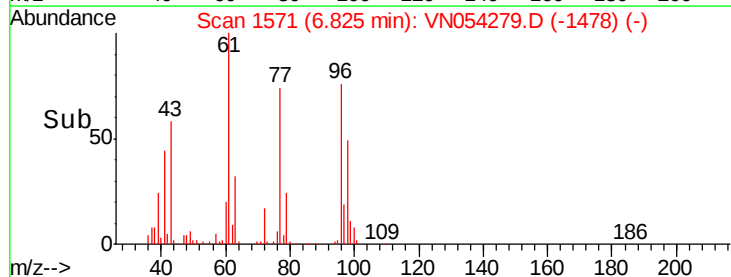
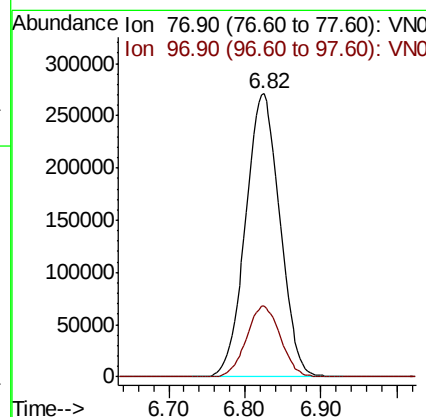
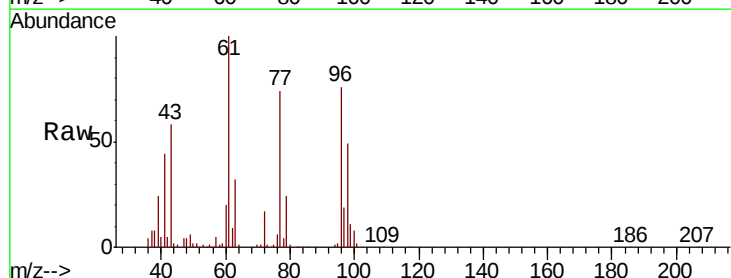
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#26
2,2-Dichloropropane
Concen: 42.482 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 77 Resp: 850044
Ion Ratio Lower Upper
77 100
97 24.8 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 55.519 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

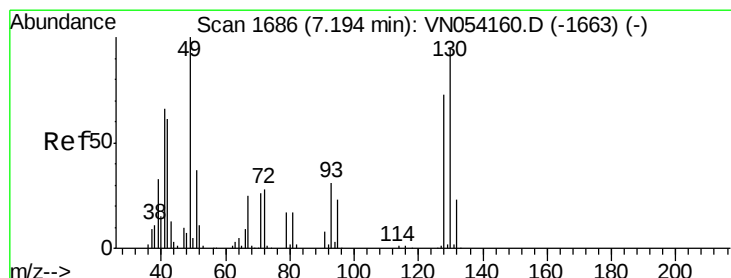
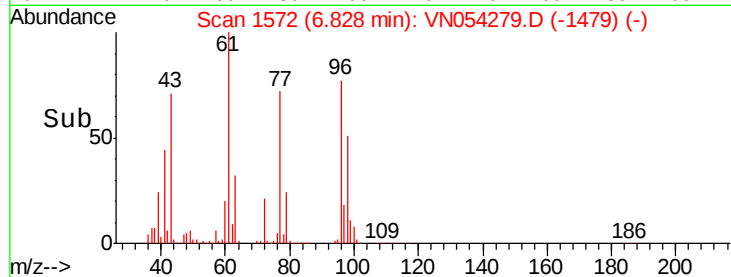
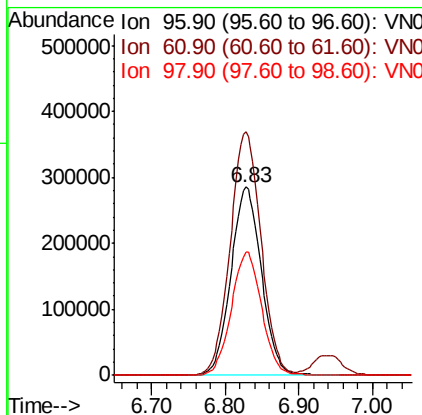
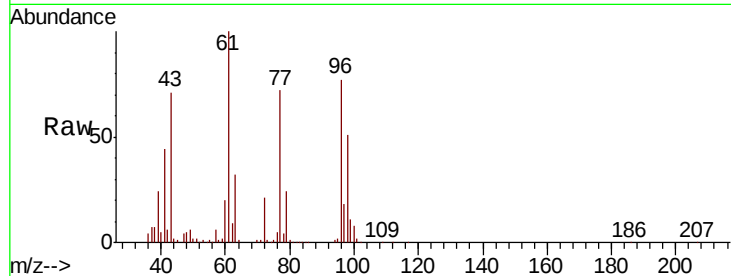
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	821253
Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	273.0
98	65.2	0.0	130.6

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#28

Bromochloromethane

Concen: 51.445 ug/l

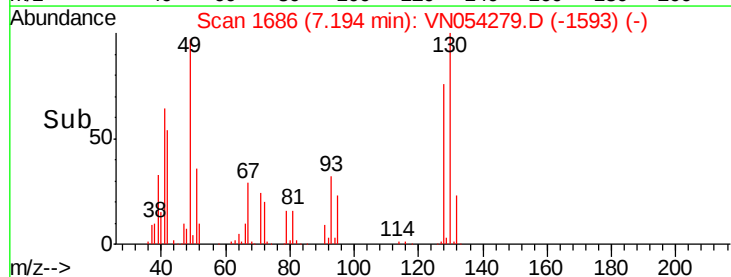
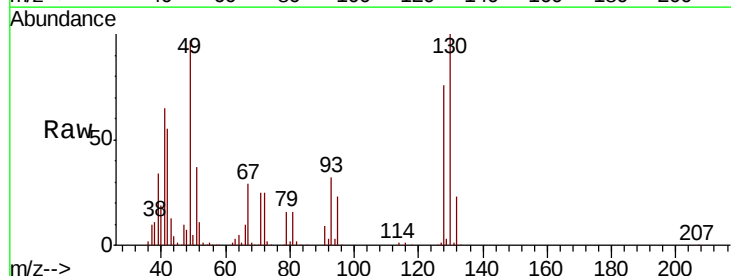
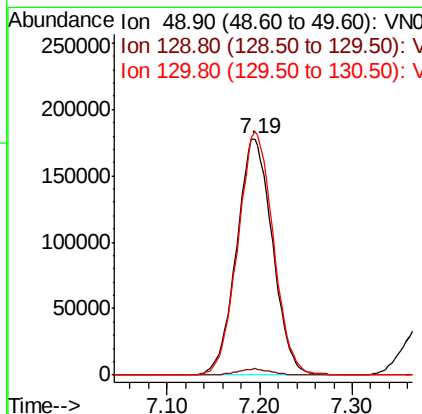
RT: 7.19 min Scan# 1686

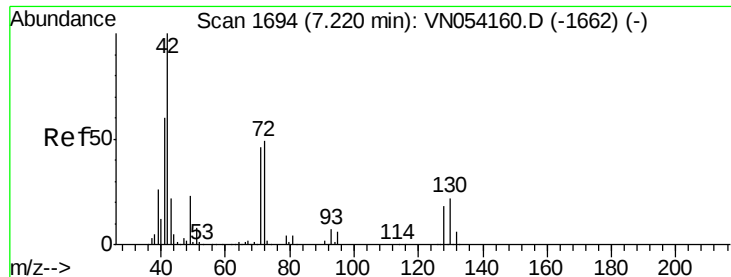
Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion:	49	Resp:	478535
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	101.9	76.7	115.1





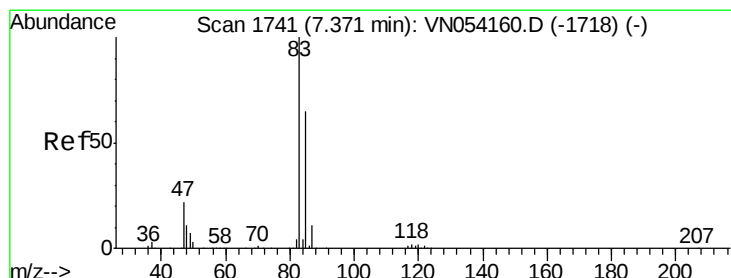
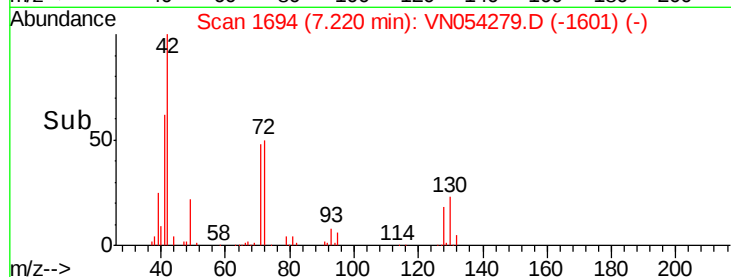
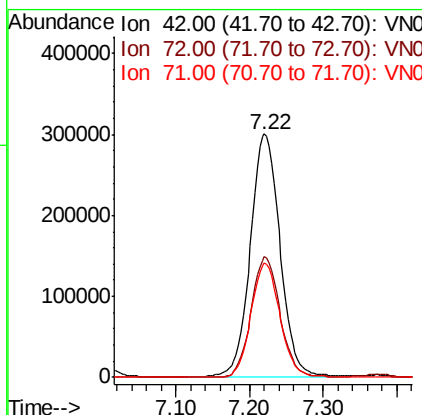
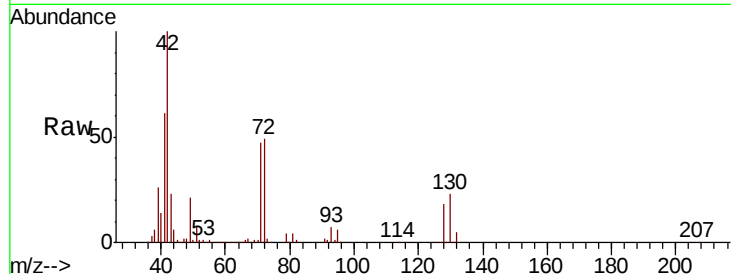
#29
Tetrahydrofuran
Concen: 276.012 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.8	56.6
71	45.8	36.2	54.2

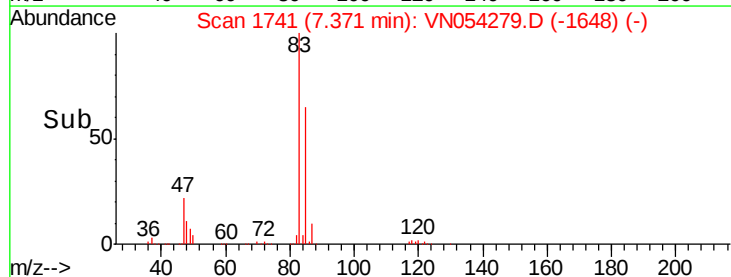
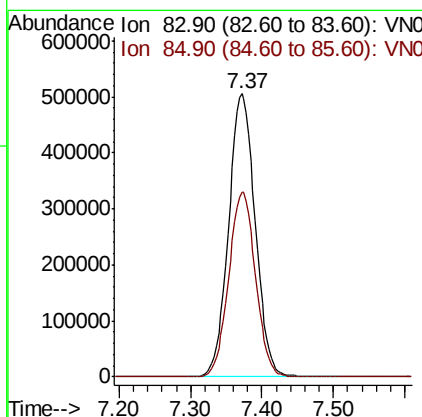
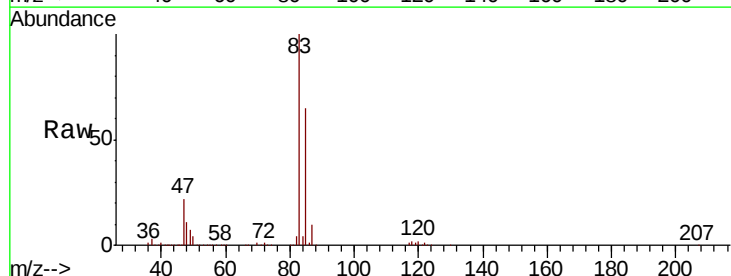
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#30
Chloroform
Concen: 55.211 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4





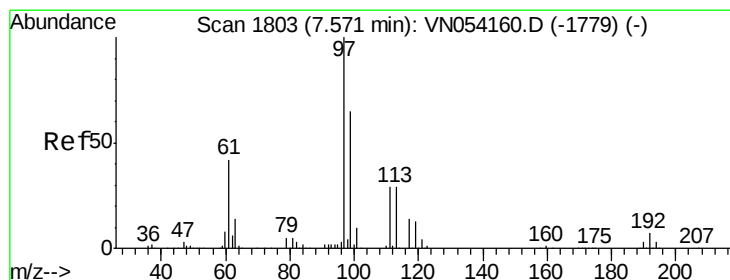
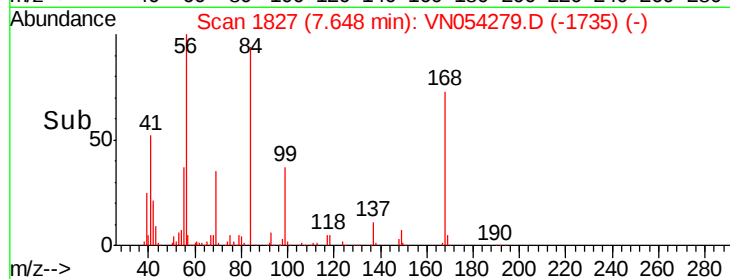
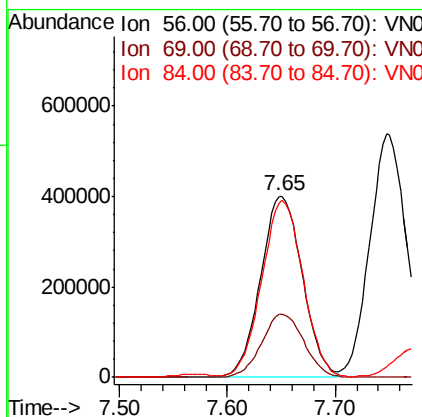
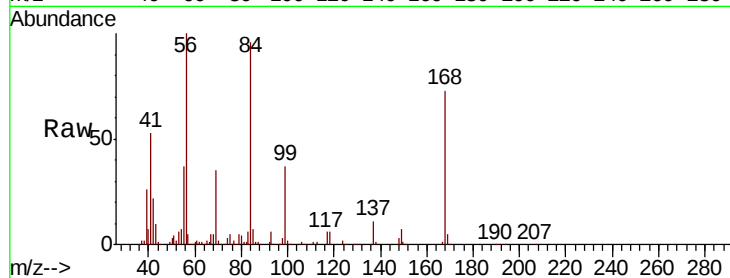
#31
Cyclohexane
Concen: 50.661 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 1077346
Ion Ratio Lower Upper
56 100
69 34.7 27.8 41.6
84 94.8 74.6 111.8

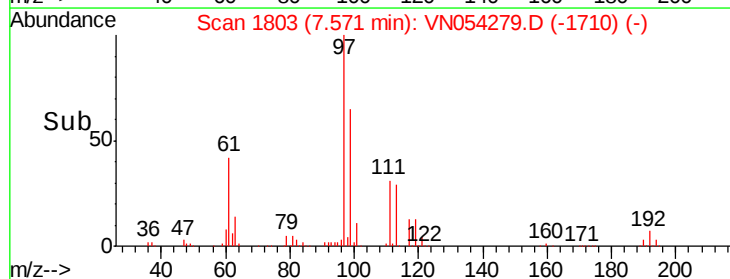
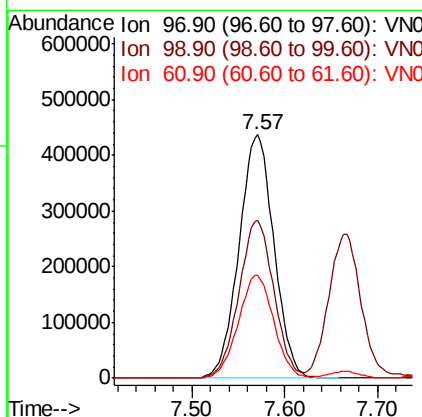
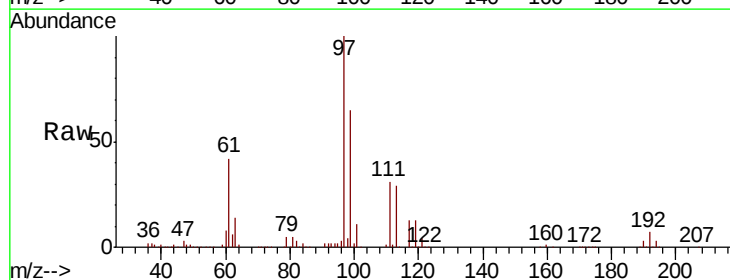
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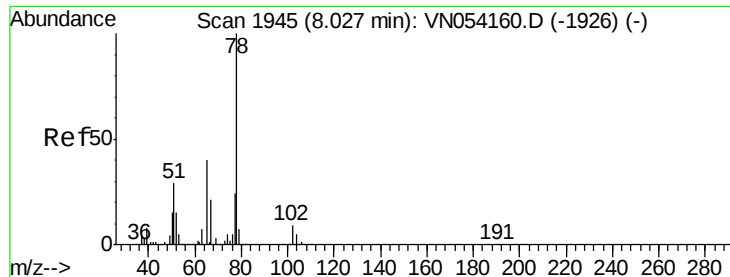
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#32
1,1,1-Trichloroethane
Concen: 53.205 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 97 Resp: 1140884
Ion Ratio Lower Upper
97 100
99 64.8 51.5 77.3
61 42.7 33.6 50.4





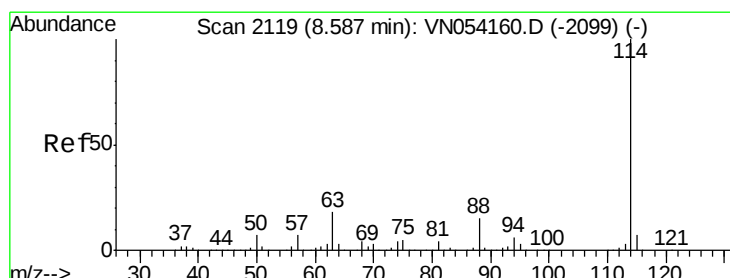
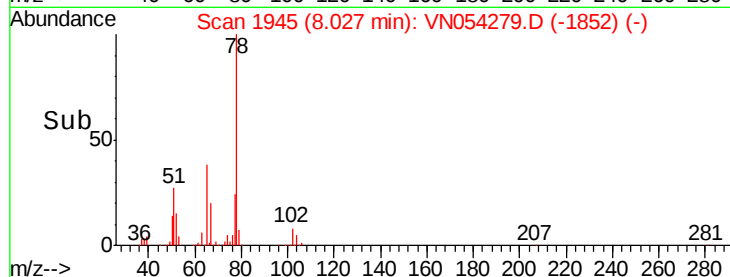
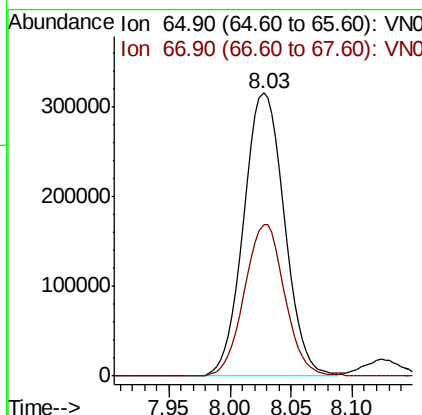
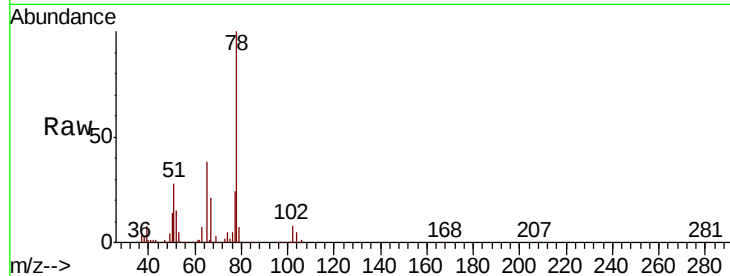
#33
 1,2-Dichloroethane-d4
 Concen: 51.676 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 65 Resp: 731048
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 104.6

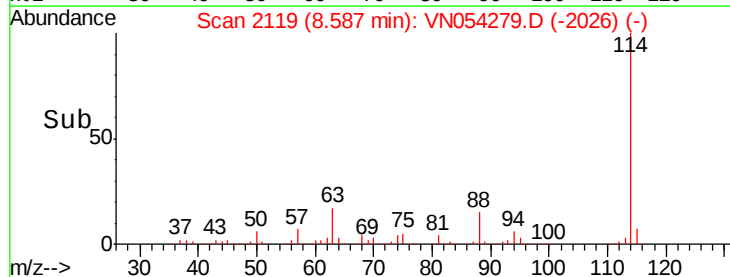
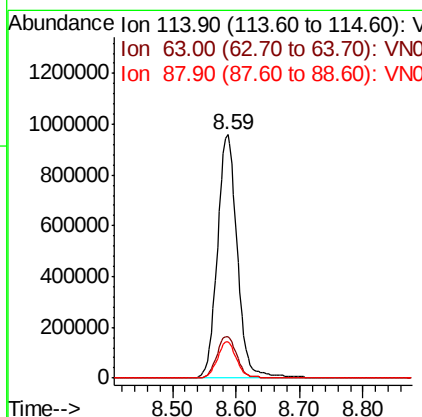
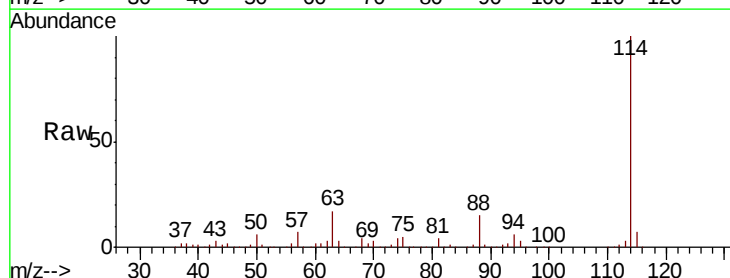
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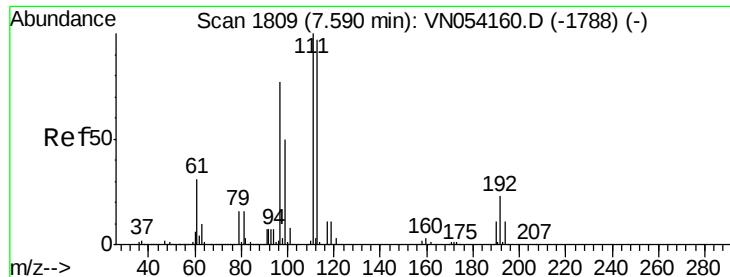
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion: 114 Resp: 2078792
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.2
 88 14.8 0.0 30.2





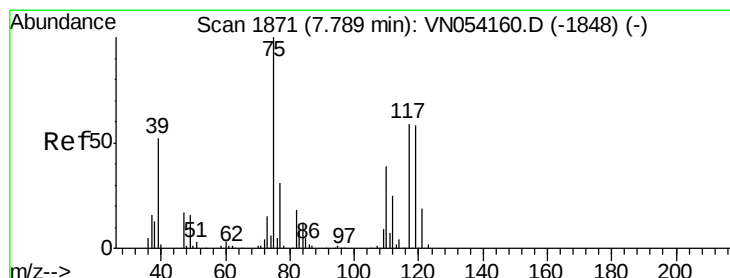
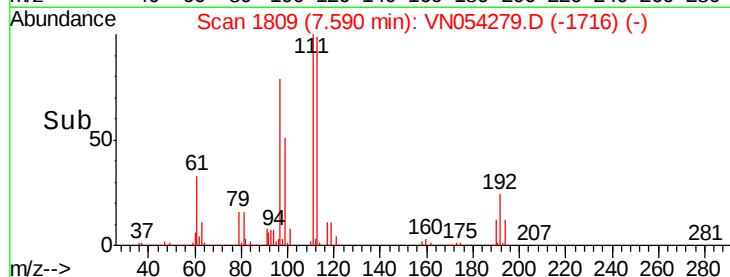
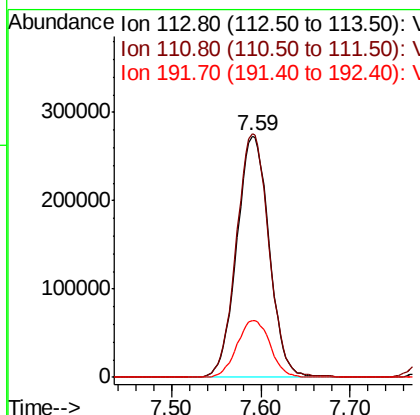
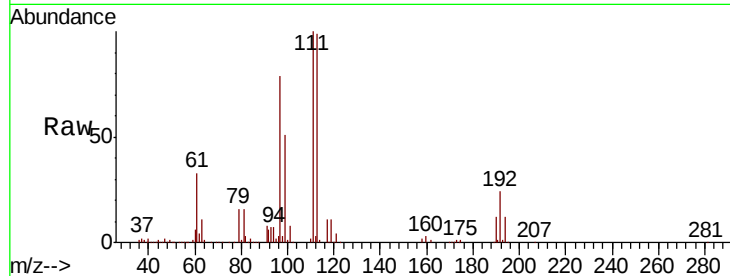
#35
 Dibromofluoromethane
 Concen: 51.427 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	689495		
111	101.5	82.2	123.4	
192	24.2	19.2	28.8	

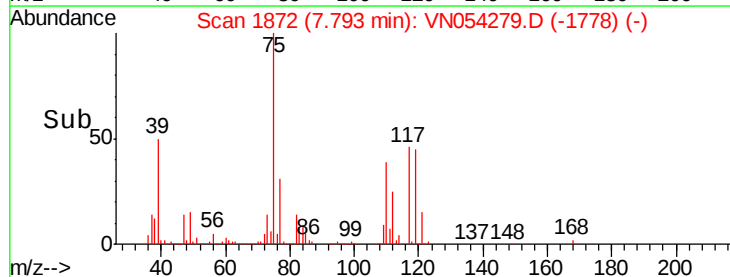
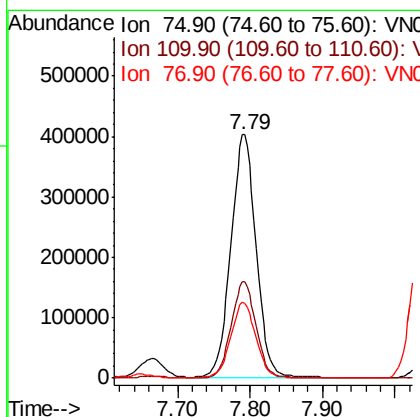
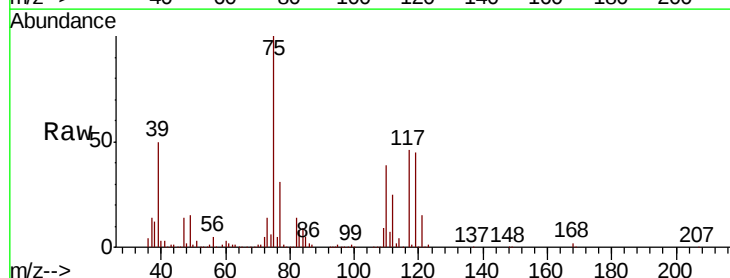
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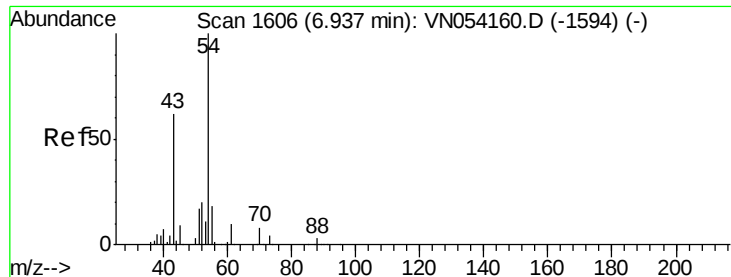
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#36
 1,1-Dichloropropene
 Concen: 50.948 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	975340		
110	39.2	19.1	57.5	
77	31.1	25.0	37.4	





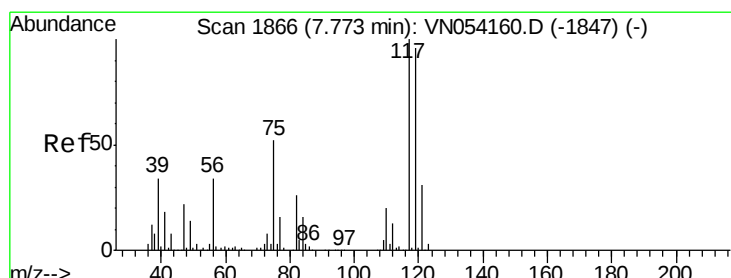
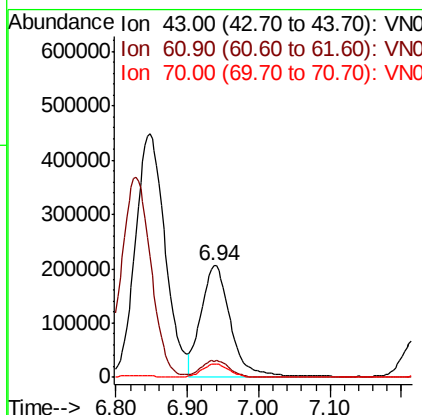
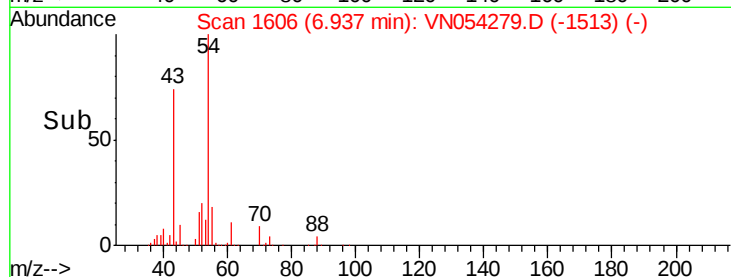
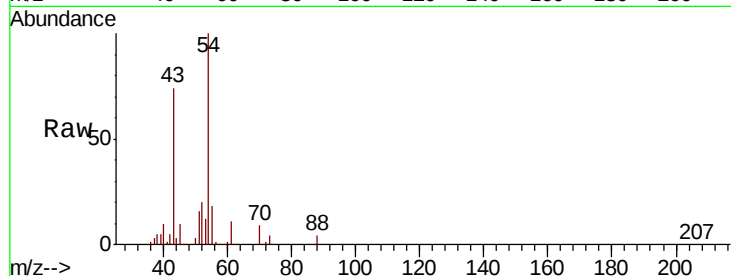
#37
 Ethyl Acetate
 Concen: 52.749 ug/l
 RT: 6.94 min Scan# 1606
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.6
70	11.0	8.4	12.6

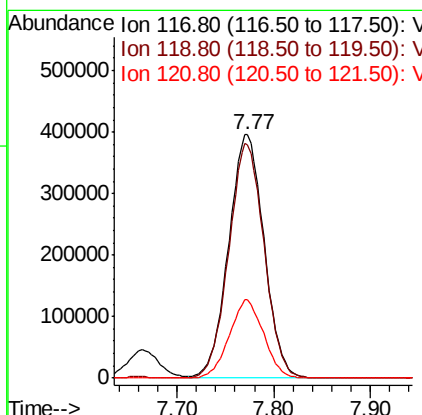
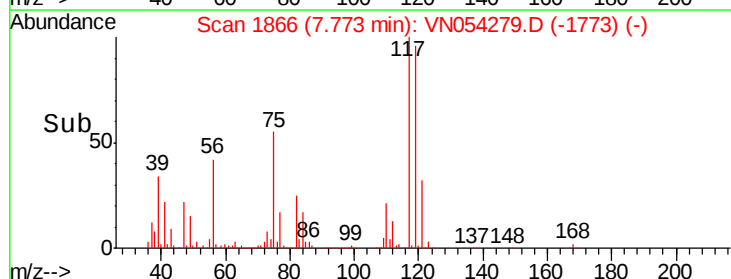
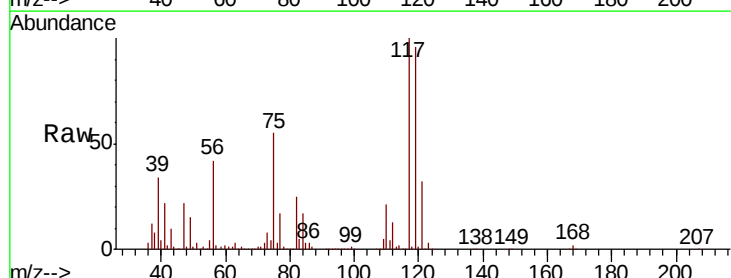
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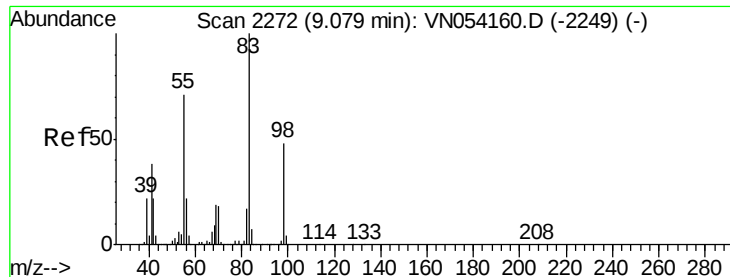
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#38
 Carbon Tetrachloride
 Concen: 49.993 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	32.0	24.6	36.8





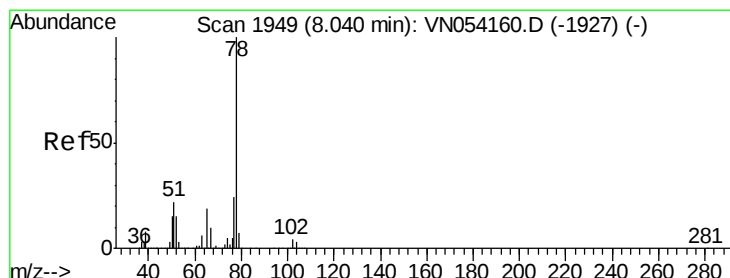
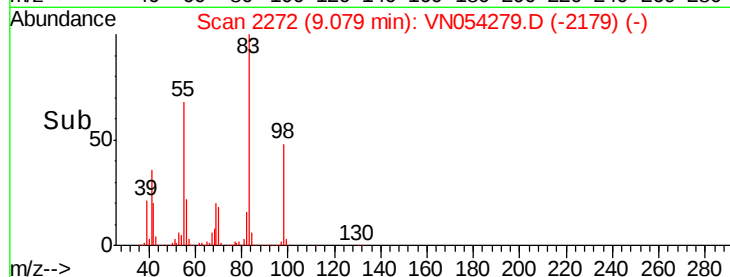
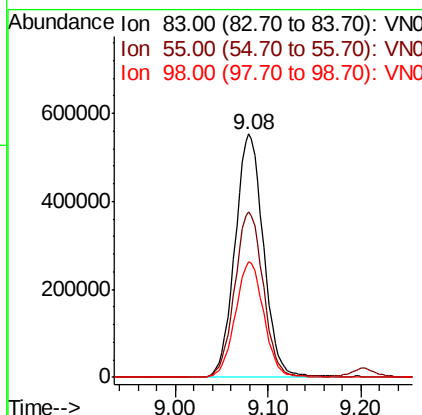
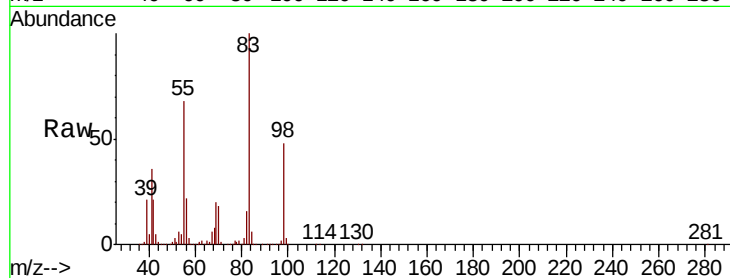
#39
Methylcyclohexane
Concen: 50.112 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.2	56.6	84.8
98	47.7	38.4	57.6

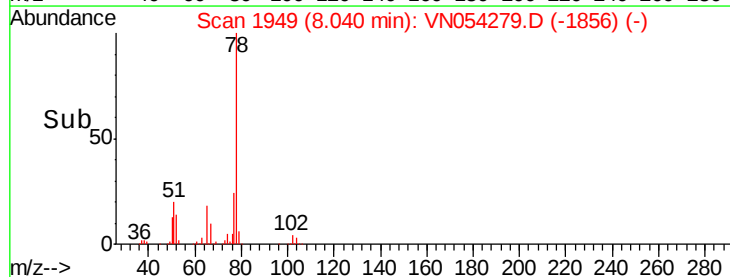
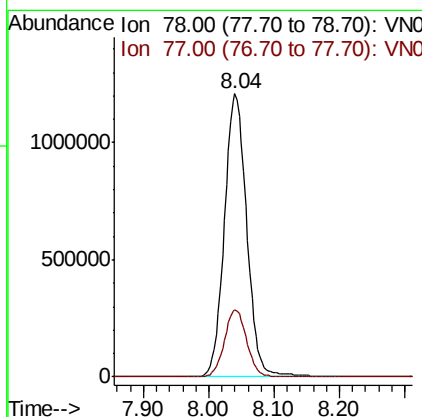
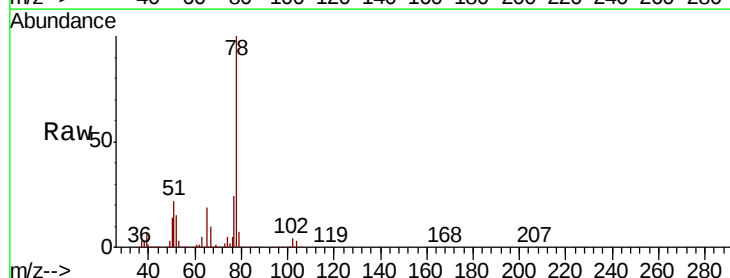
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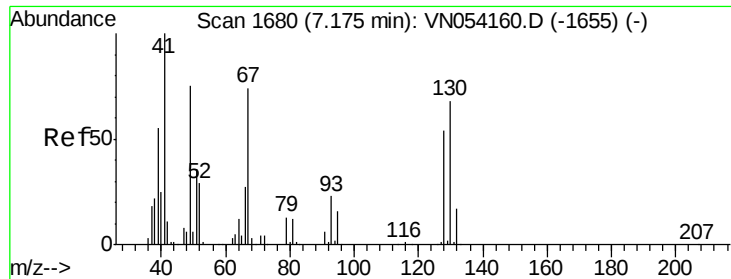
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#40
Benzene
Concen: 52.465 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.1	28.7





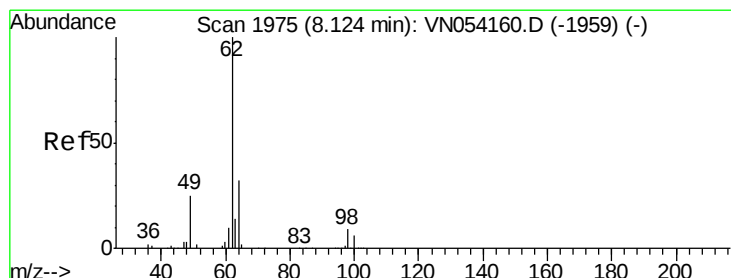
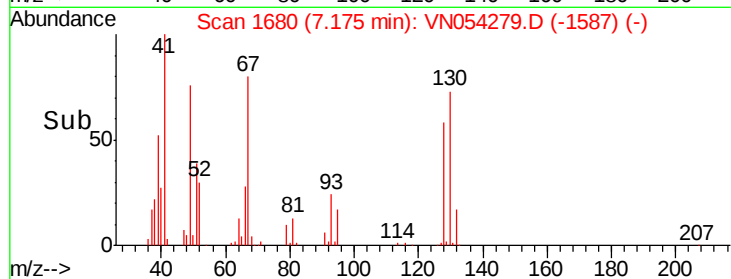
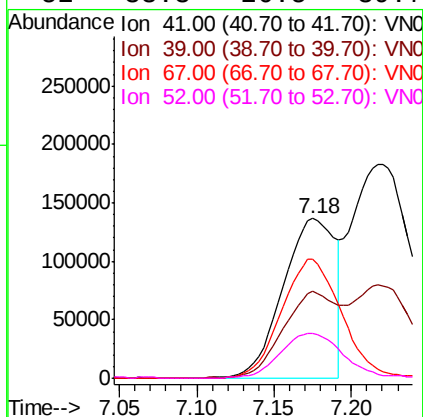
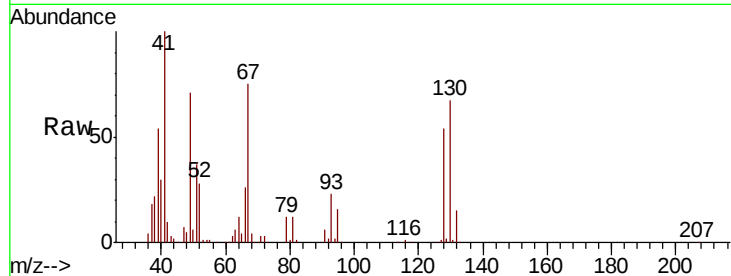
#41
Methacrylonitrile
Concen: 50.750 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.7	46.8	70.2
67	86.6	67.0	100.4
52	33.3	26.5	39.7

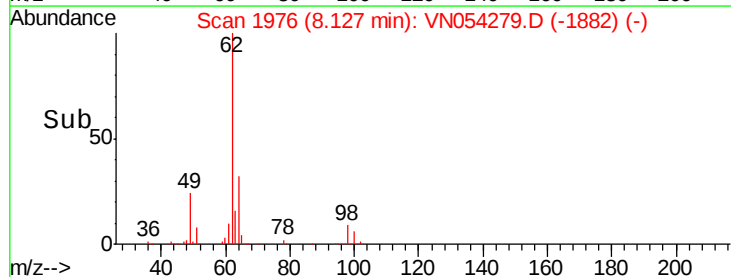
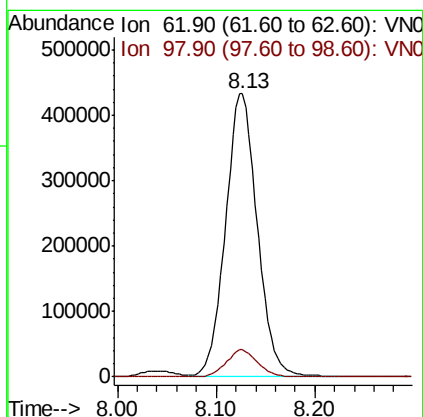
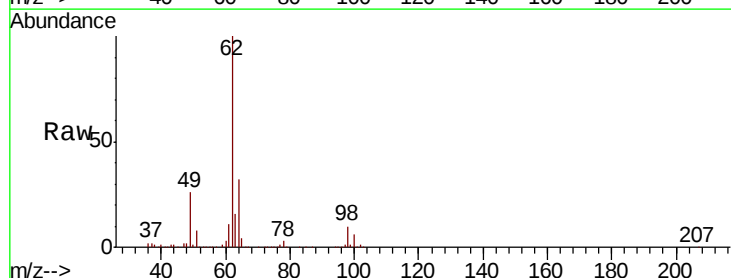
Manual Integrations
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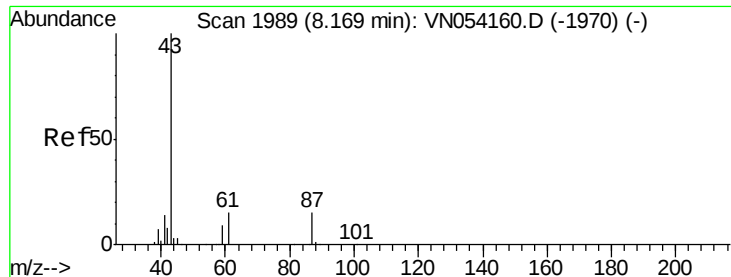
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#42
1,2-Dichloroethane
Concen: 52.421 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.4





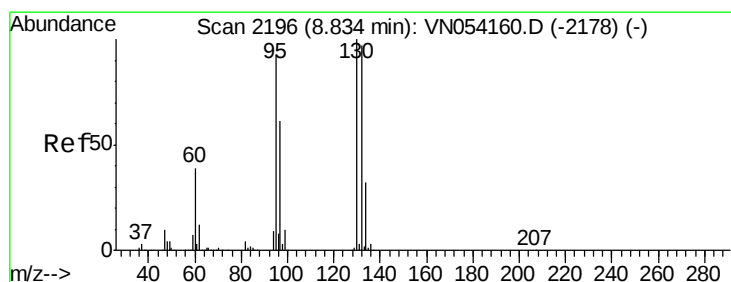
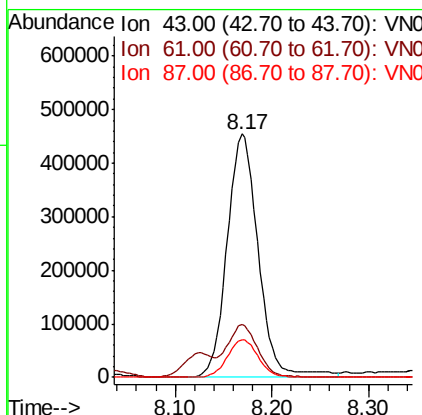
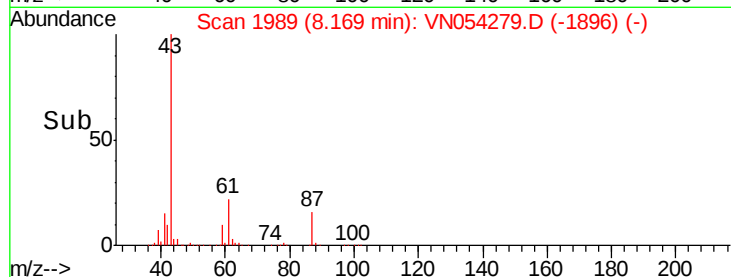
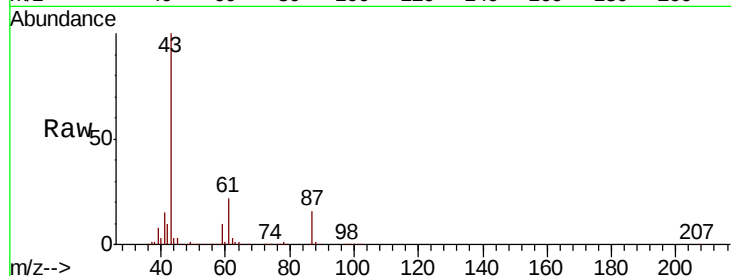
#43
Isopropyl Acetate
Concen: 52.576 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1015121
Ion Ratio Lower Upper
43 100
61 20.9 15.8 23.8
87 15.4 12.0 18.0

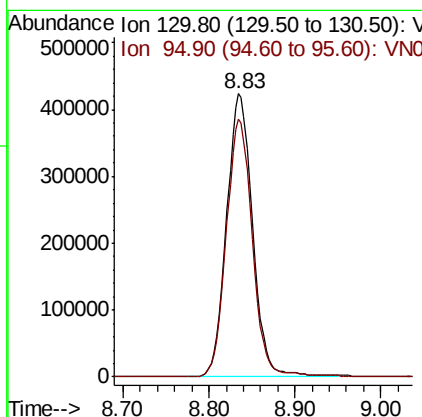
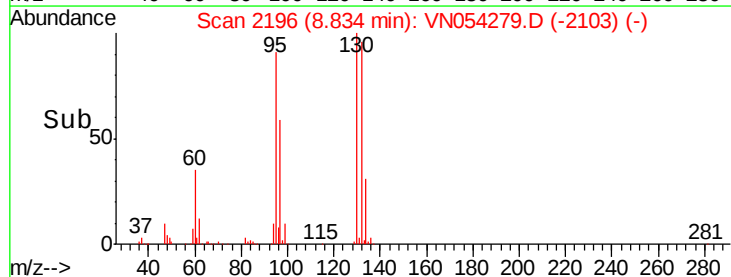
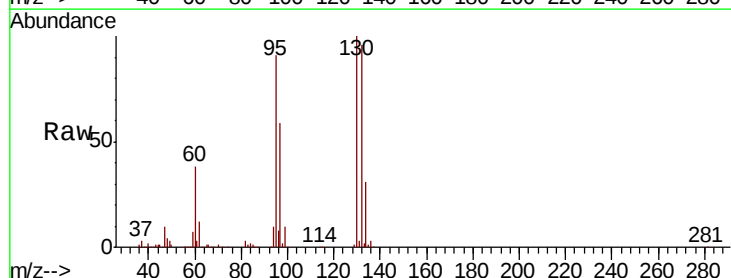
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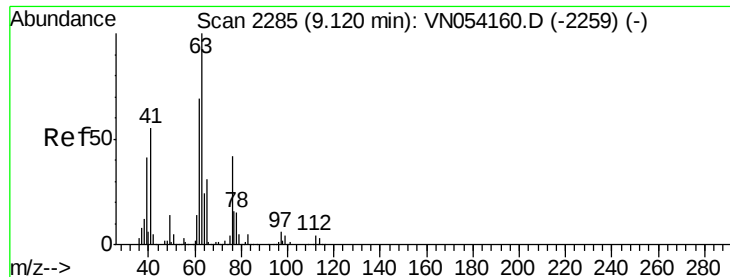
MMDadoda
3/15/2019 10:08:24 AM



#44
Trichloroethene
Concen: 52.387 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 130 Resp: 891524
Ion Ratio Lower Upper
130 100
95 91.2 0.0 185.2





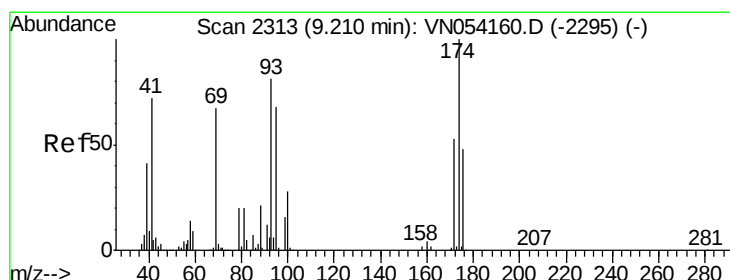
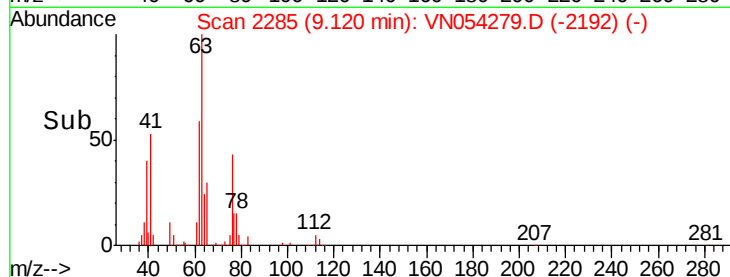
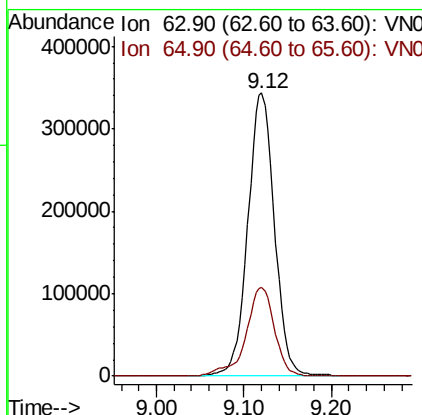
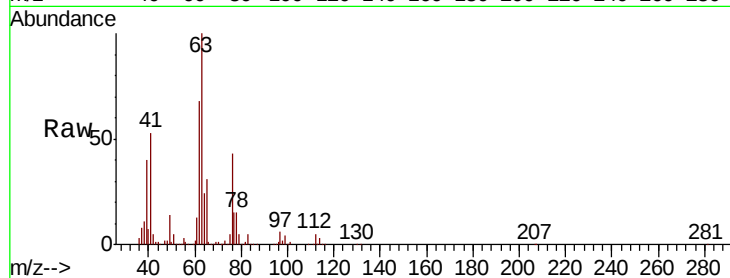
#45
 1,2-Dichloropropane
 Concen: 53.409 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 726525
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

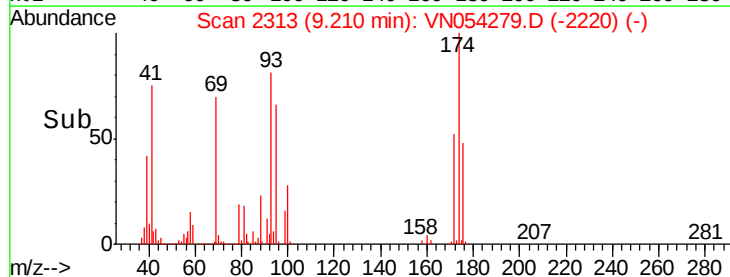
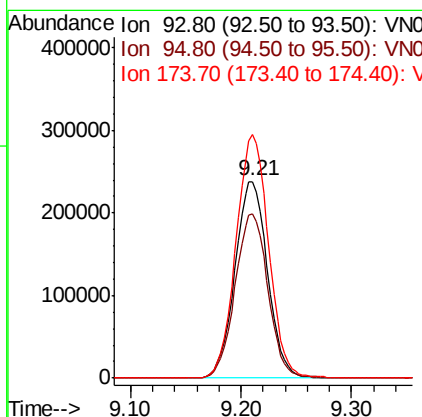
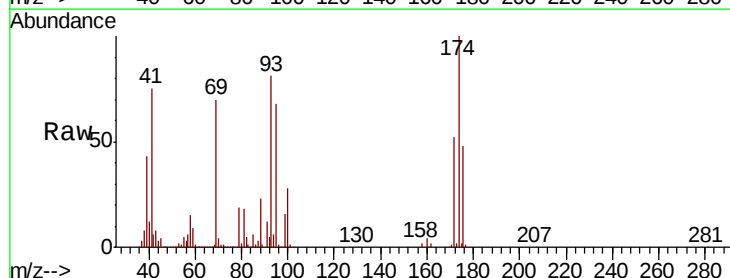
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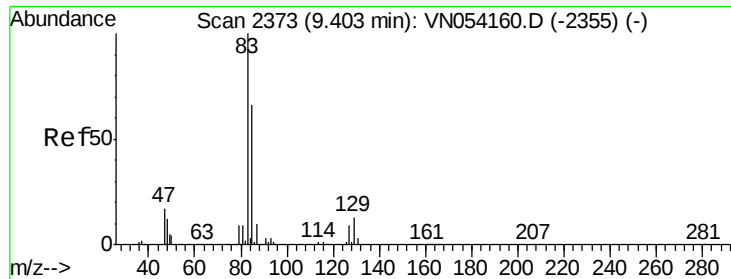
MMDadoda
 3/15/2019 10:08:24 AM



#46
 Dibromomethane
 Concen: 52.987 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion: 93 Resp: 486999
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.7 100.1
 174 124.1 98.5 147.7





#47

Bromodichloromethane

Concen: 53.246 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

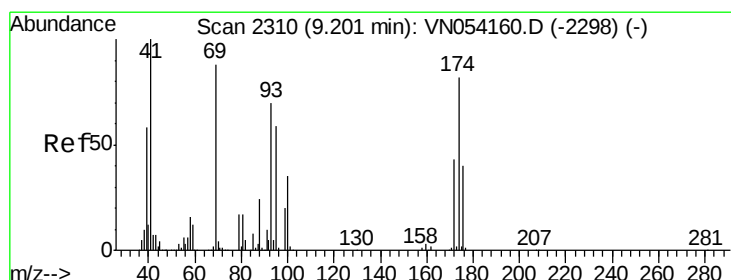
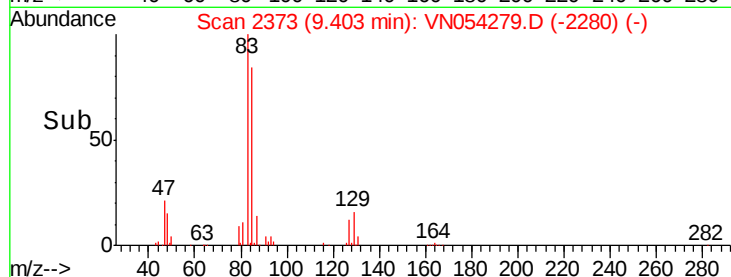
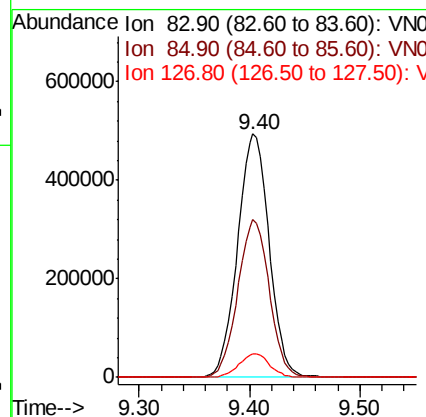
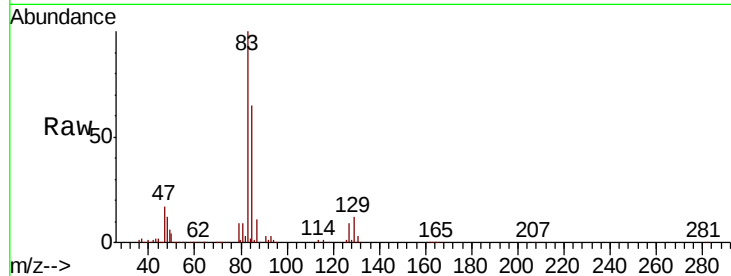
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	981074
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.8	79.2
127	9.4	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.682 ug/l

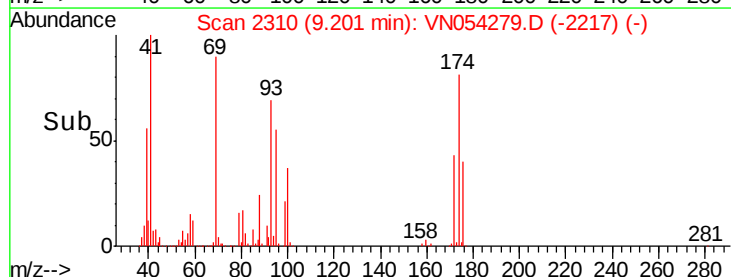
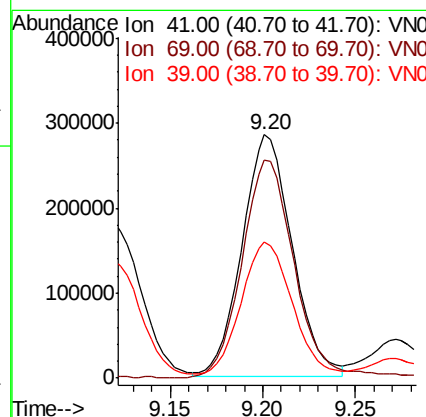
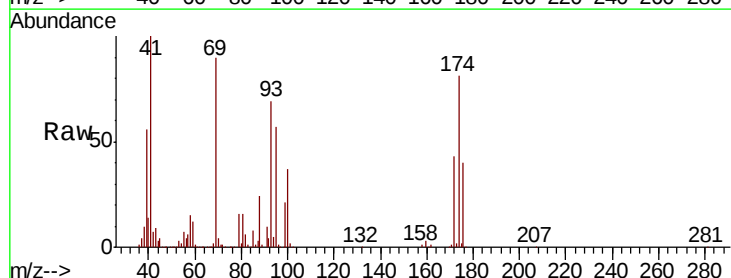
RT: 9.20 min Scan# 2310

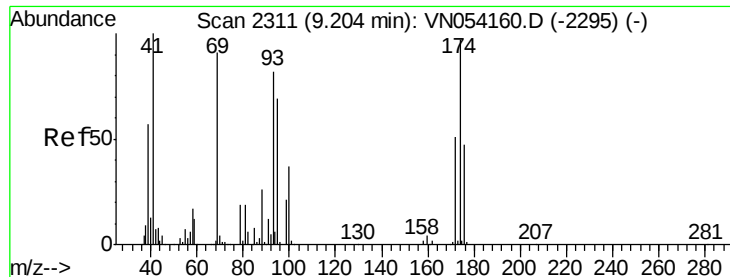
Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion:	41	Resp:	535798
Ion Ratio	Lower	Upper	
41	100		
69	93.8	72.6	108.8
39	57.7	47.5	71.3





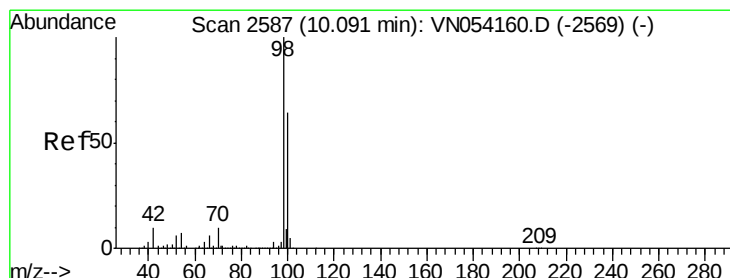
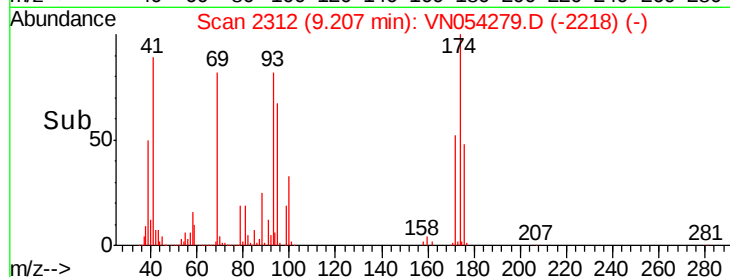
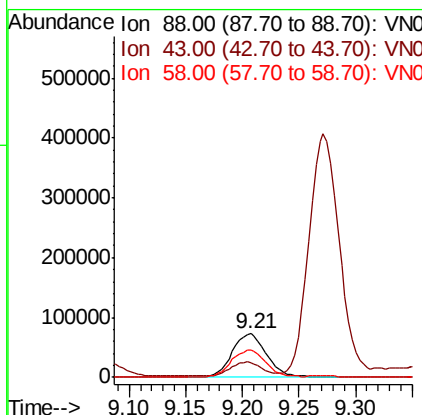
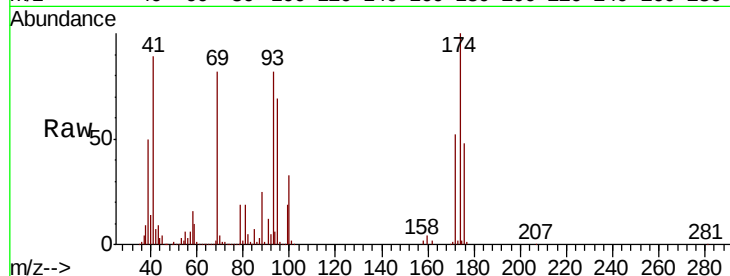
#49
1,4-Dioxane
Concen: 1122.753 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.9	24.1	36.1
58	62.8	50.8	76.2

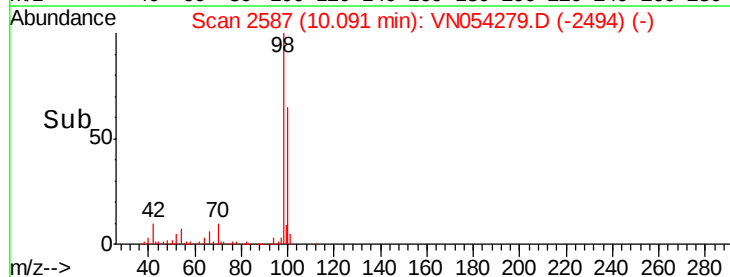
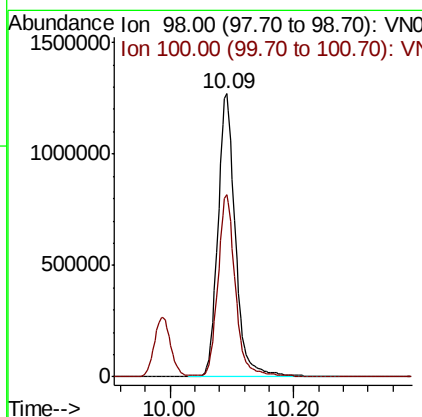
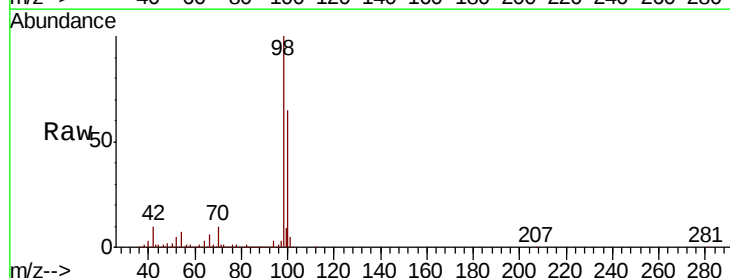
Manual Integrations
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#50
Toluene-d8
Concen: 50.547 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





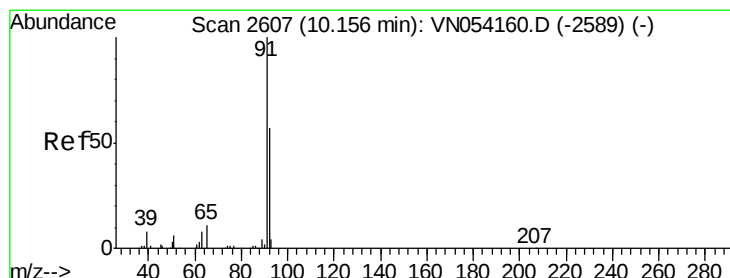
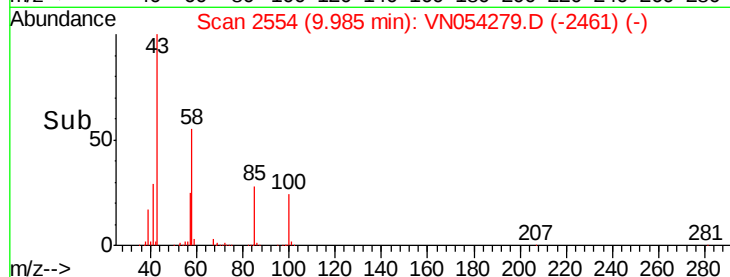
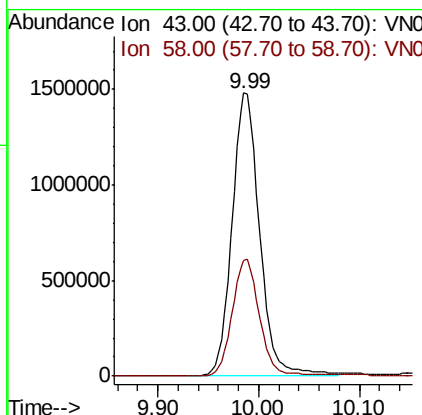
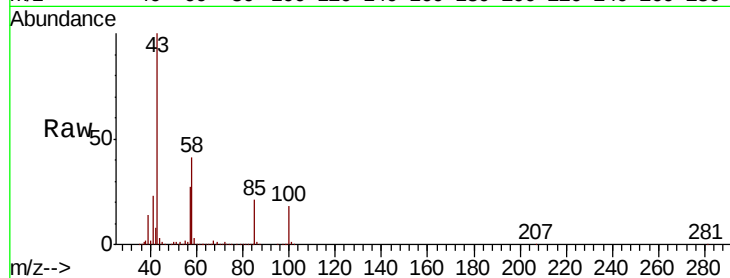
#51
4-Methyl-2-Pentanone
Concen: 275.299 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2812946
Ion Ratio Lower Upper
43 100
58 41.0 31.8 47.6

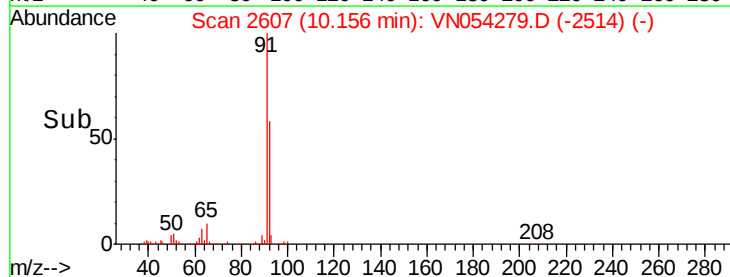
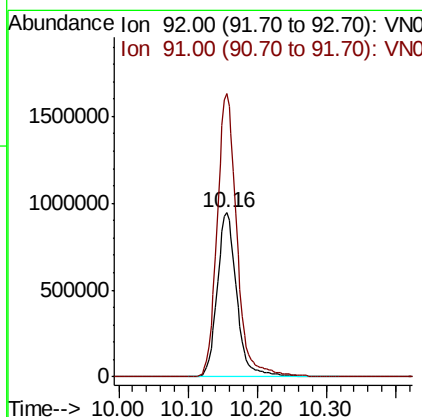
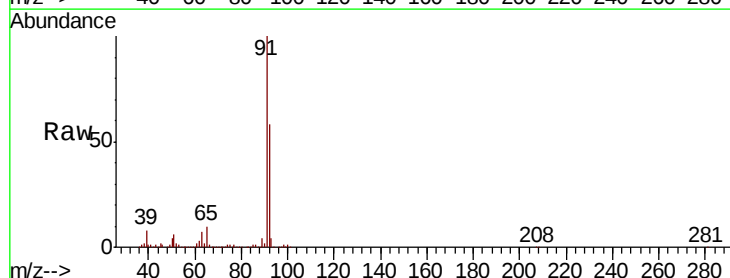
Manual Integrations
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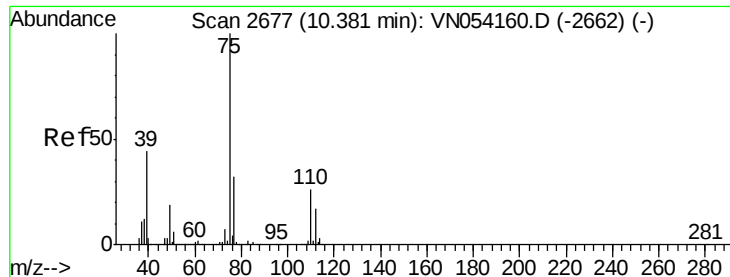
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#52
Toluene
Concen: 53.507 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 92 Resp: 1858604
Ion Ratio Lower Upper
92 100
91 173.9 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 44.825 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 940138

Ion Ratio Lower Upper

75 100

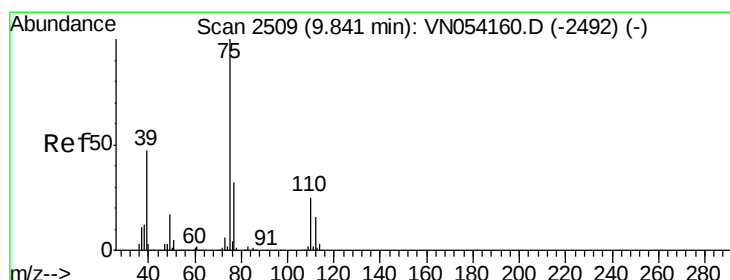
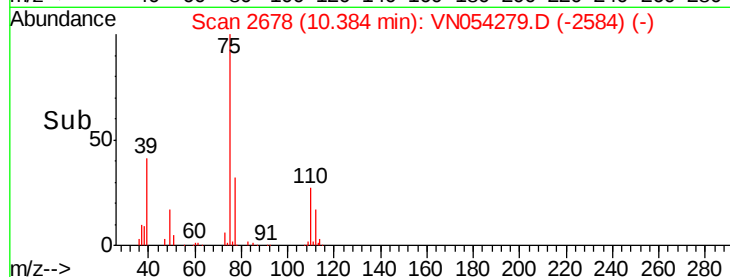
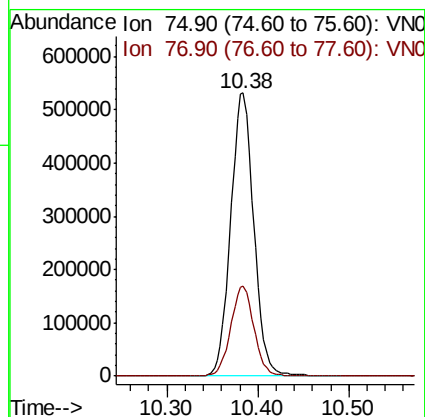
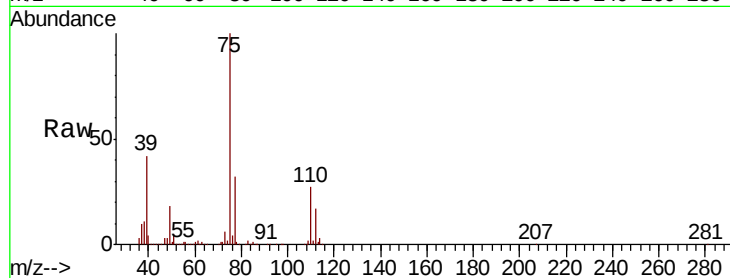
77 31.5 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 50.821 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

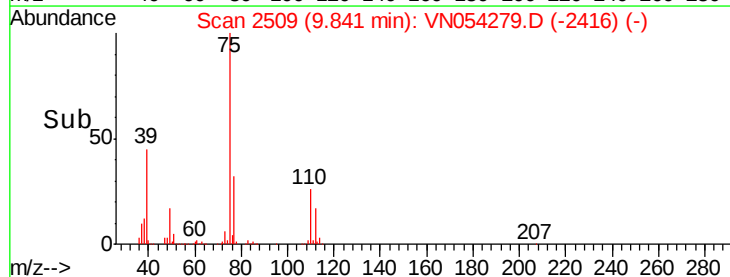
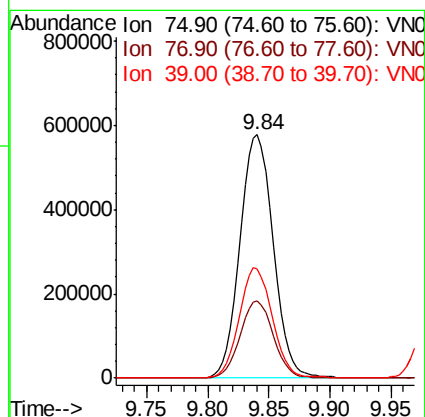
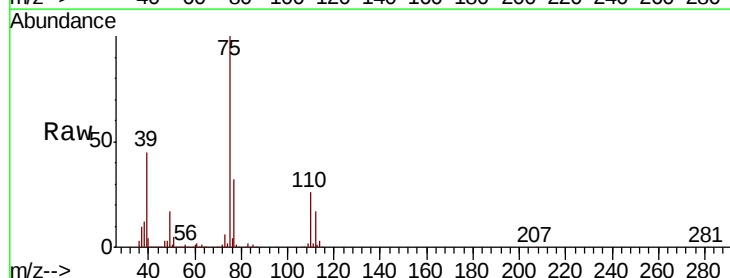
Tgt Ion: 75 Resp: 1091205

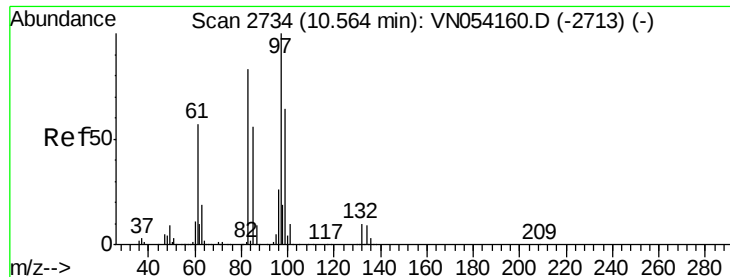
Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

39 44.9 37.2 55.8





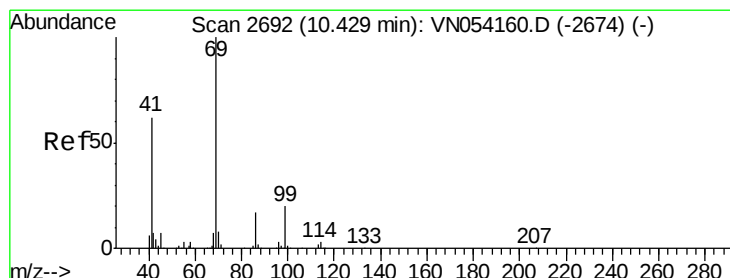
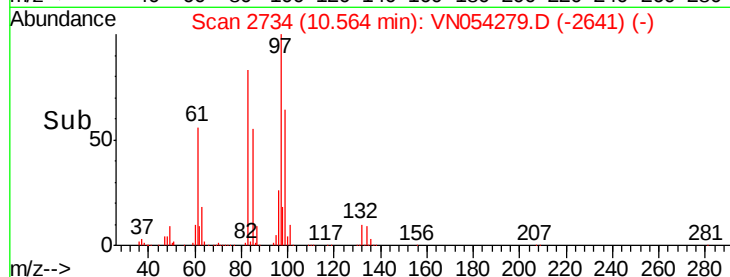
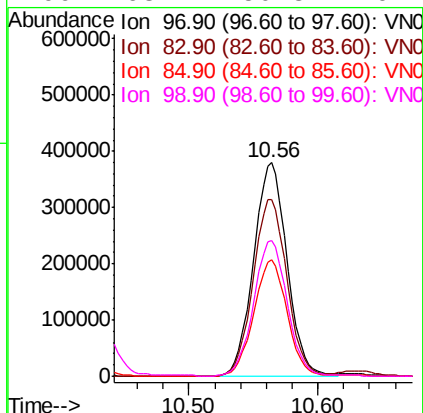
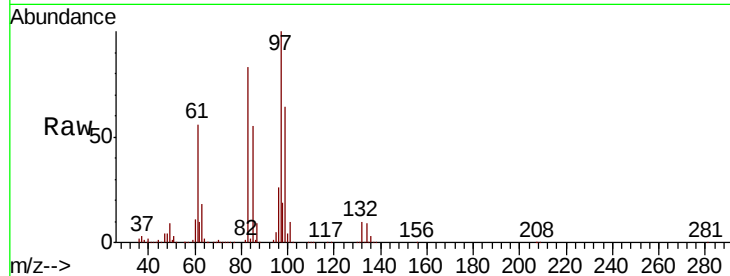
#55
1,1,2-Trichloroethane
Concen: 54.137 ug/l
RT: 10.56 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	66.6	100.0
85	54.6	44.4	66.6
99	63.4	50.8	76.2

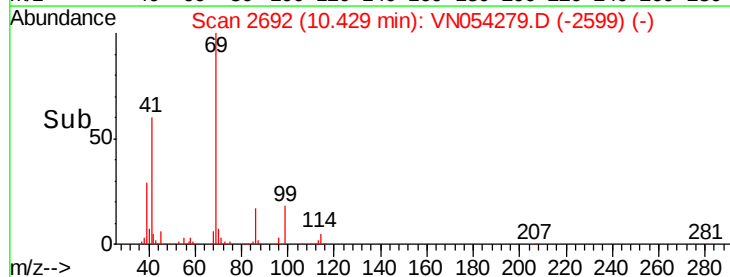
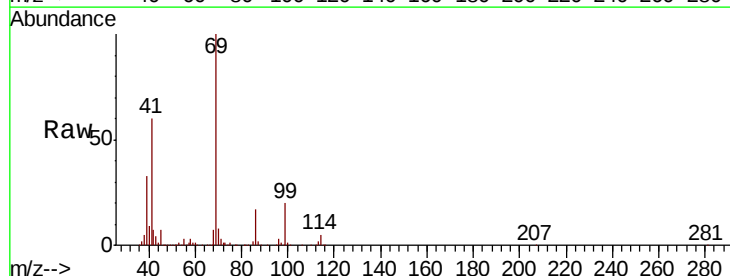
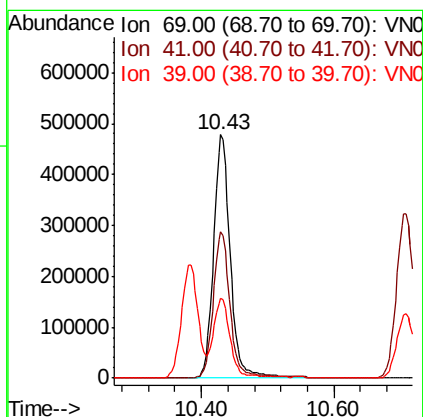
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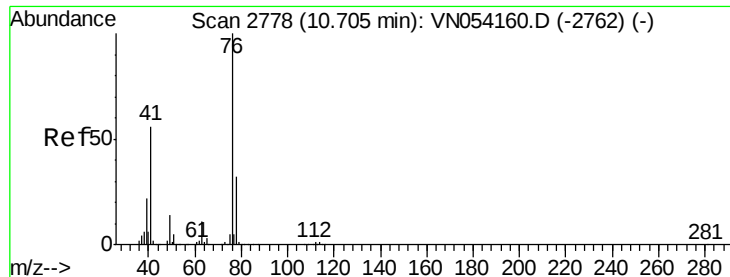
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#56
Ethyl methacrylate
Concen: 55.332 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.4	49.4	74.2
39	32.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 54.083 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 1121614

Ion Ratio Lower Upper

76 100

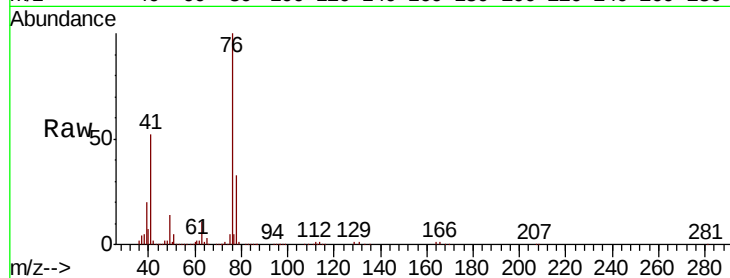
78 32.5 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

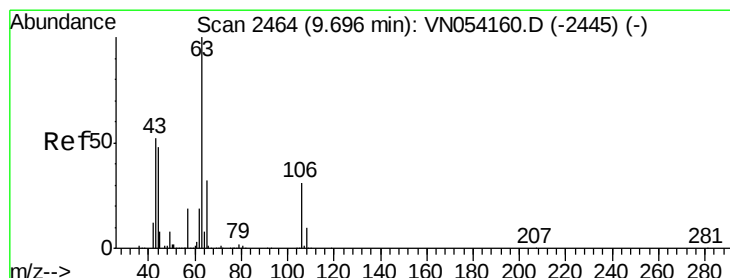
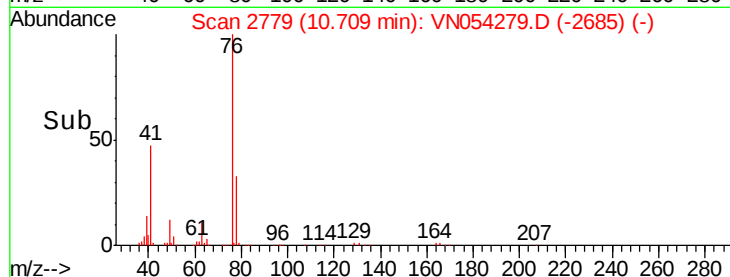
600000

400000

200000

0

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 242.105 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054279.D

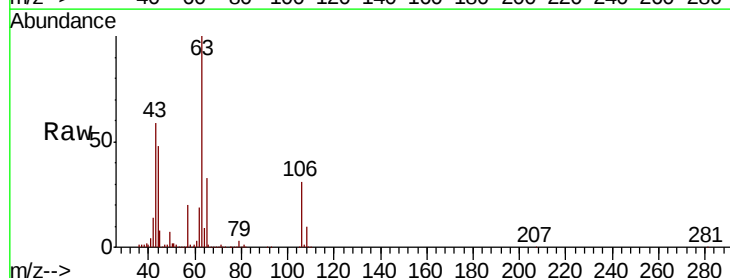
Acq: 14 Mar 2019 23:32

Tgt Ion: 63 Resp: 1584736

Ion Ratio Lower Upper

63 100

106 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

1000000

800000

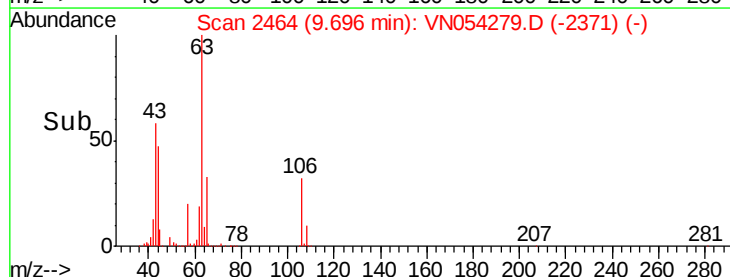
600000

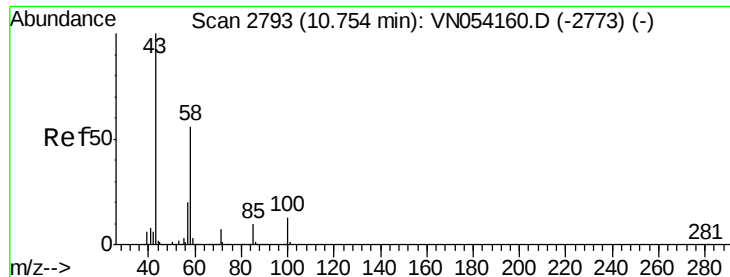
400000

200000

0

9.60 9.70 9.80





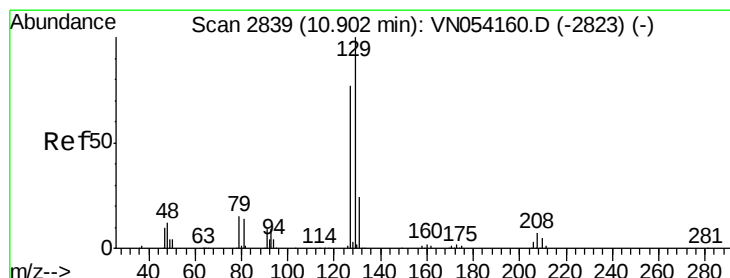
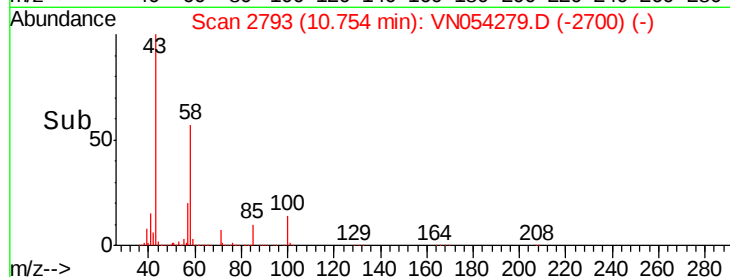
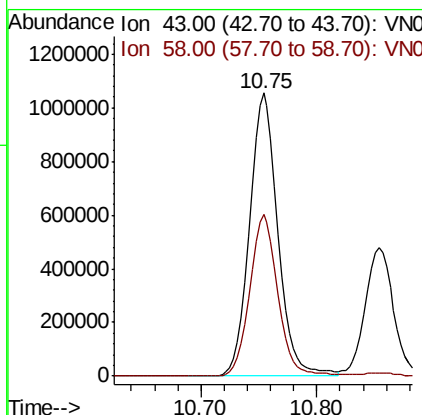
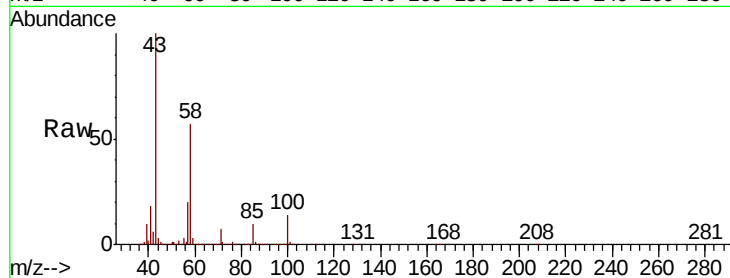
#59
2-Hexanone
Concen: 264.809 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1800410
Ion Ratio Lower Upper
43 100
58 56.9 28.0 83.9

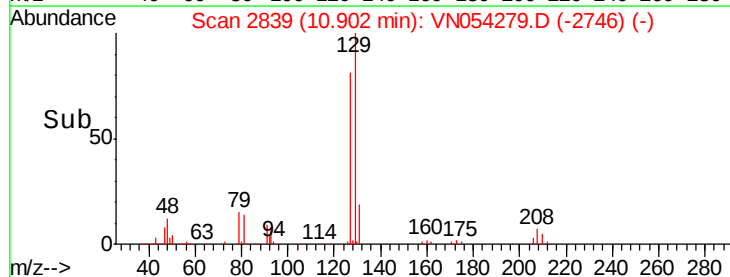
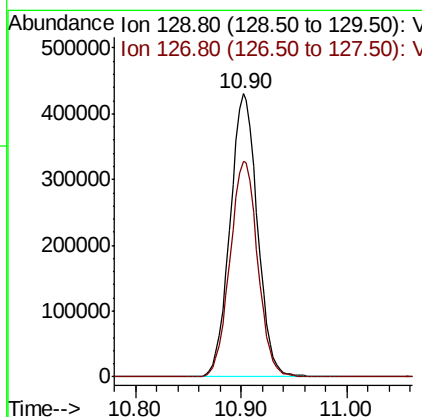
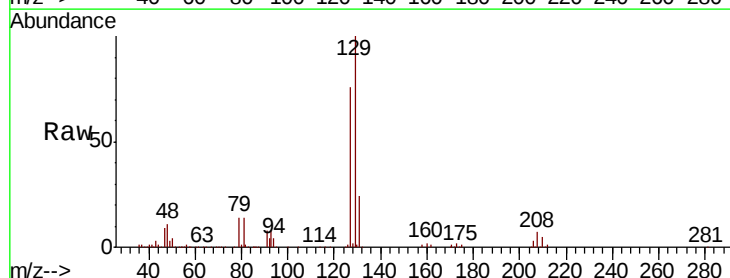
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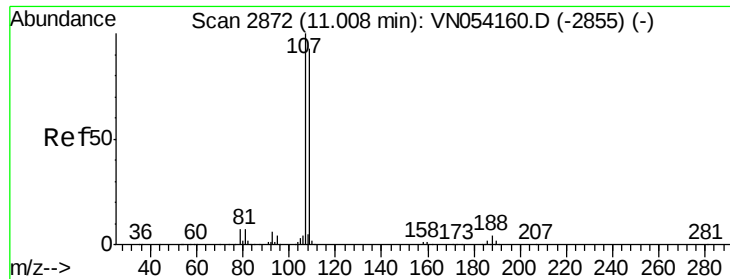
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#60
Dibromochloromethane
Concen: 54.128 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 129 Resp: 772717
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





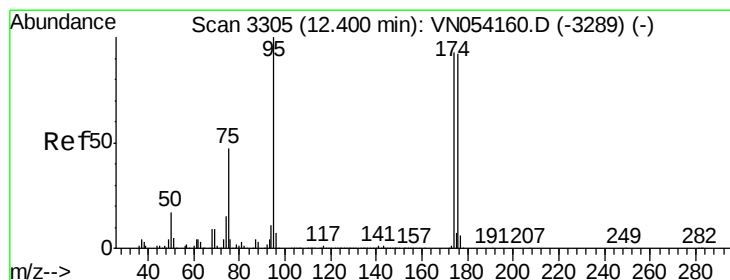
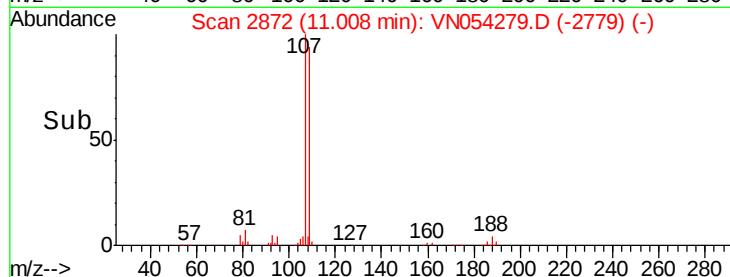
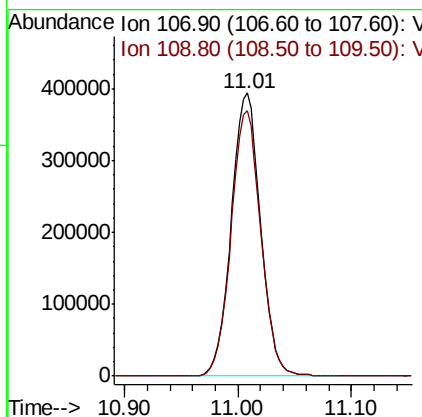
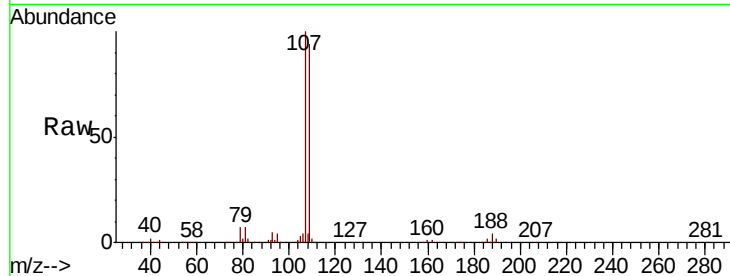
#61
1,2-Dibromoethane
Concen: 55.109 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.9	113.9

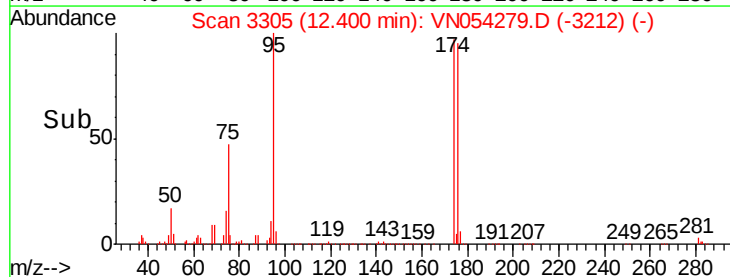
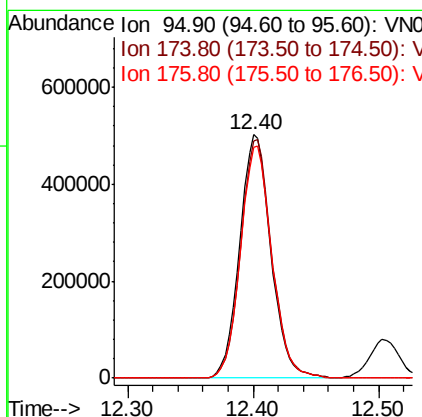
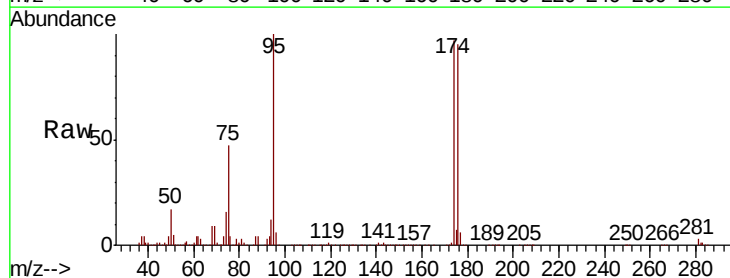
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#62
4-Bromofluorobenzene
Concen: 50.090 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.0	0.0	191.0
176	96.0	0.0	187.4





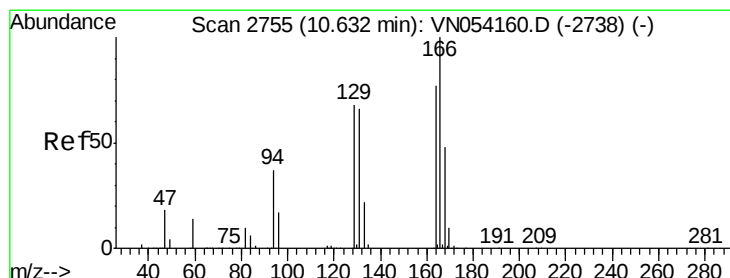
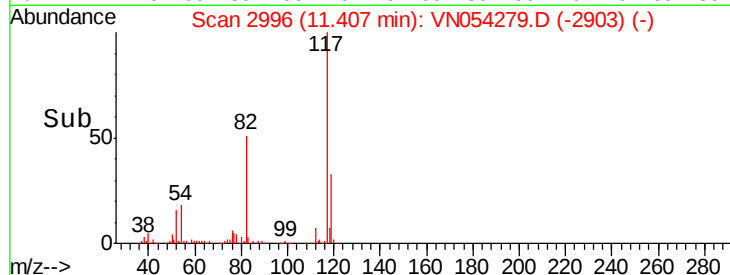
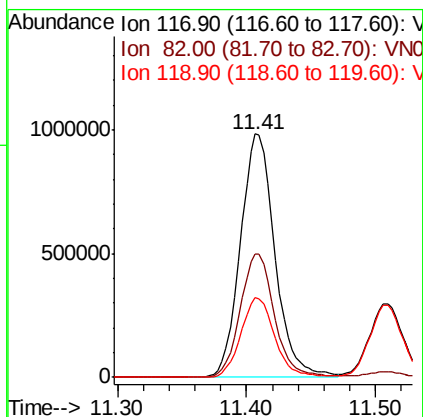
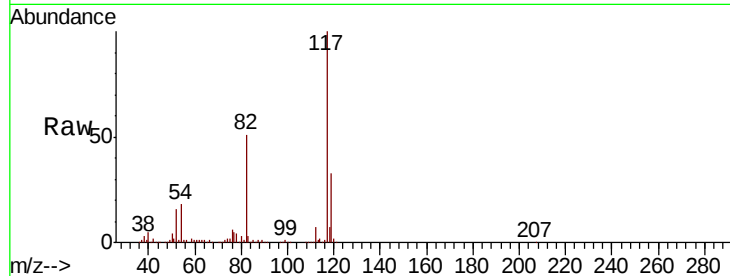
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 1833002
Ion Ratio Lower Upper
117 100
82 50.7 40.0 60.0
119 32.6 25.8 38.6

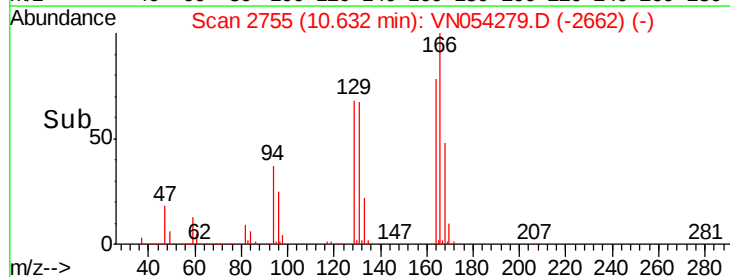
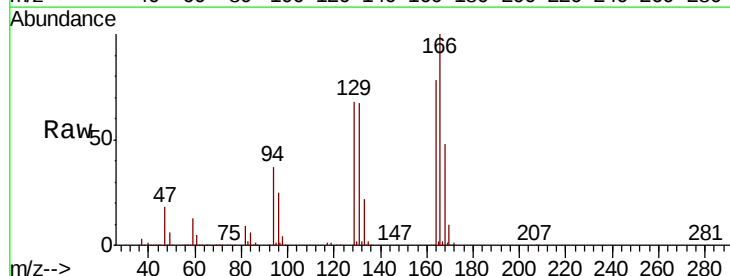
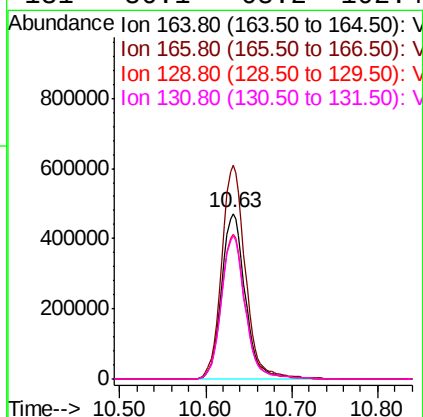
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#64
Tetrachloroethene
Concen: 51.336 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion:164 Resp: 909786
Ion Ratio Lower Upper
164 100
166 128.9 103.9 155.9
129 87.7 71.1 106.7
131 86.1 68.2 102.4





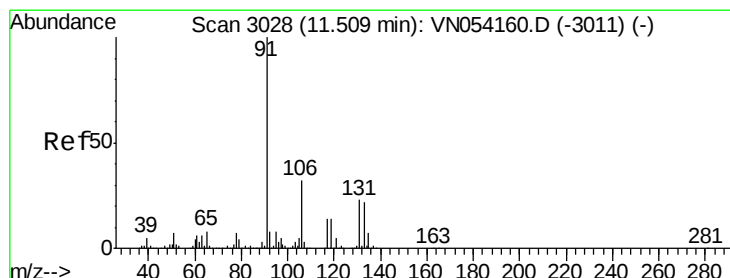
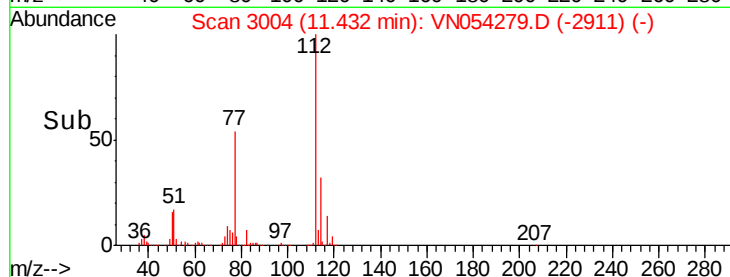
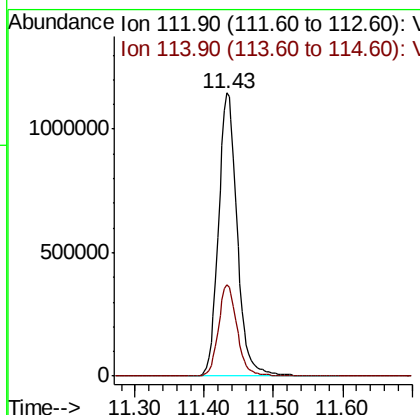
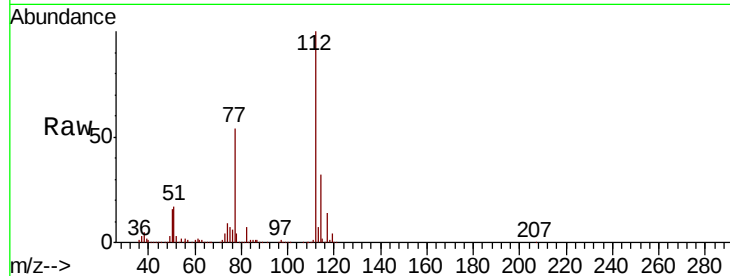
#65
Chlorobenzene
Concen: 53.132 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tgt Ion:112 Resp: 2138432
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9

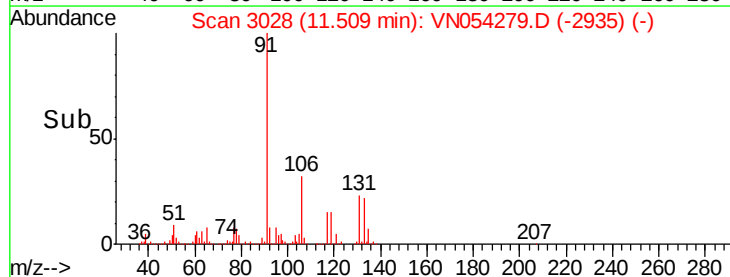
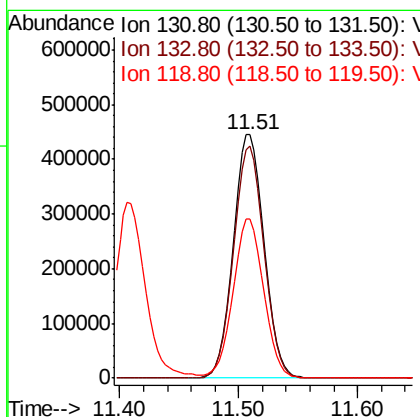
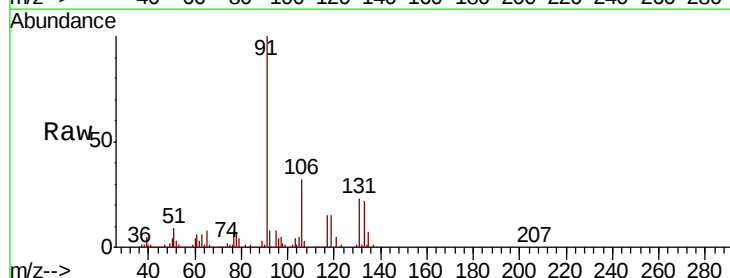
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.509 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion:131 Resp: 796978
Ion Ratio Lower Upper
131 100
133 94.5 47.6 142.9
119 65.2 32.4 97.0





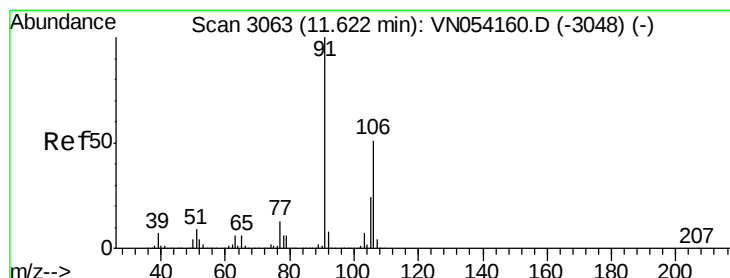
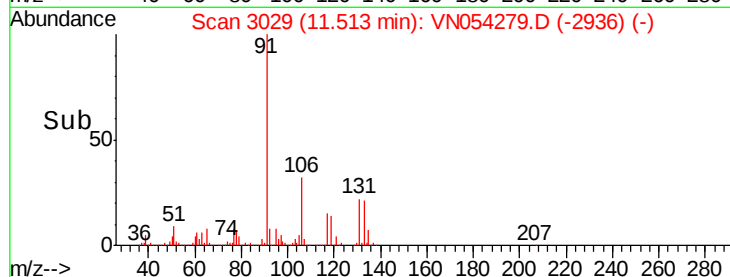
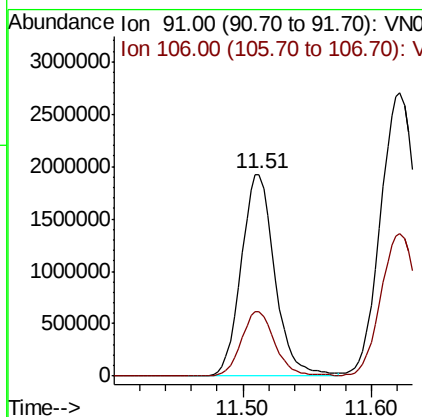
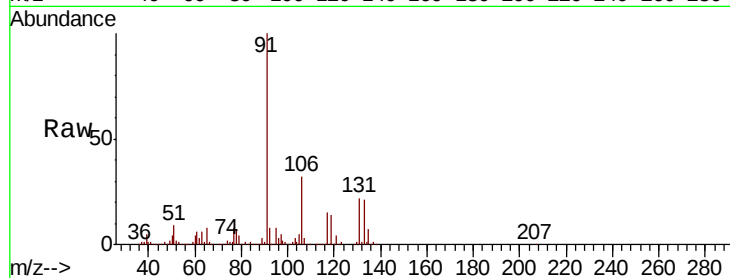
#67
Ethyl Benzene
Concen: 52.392 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 3495459
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3

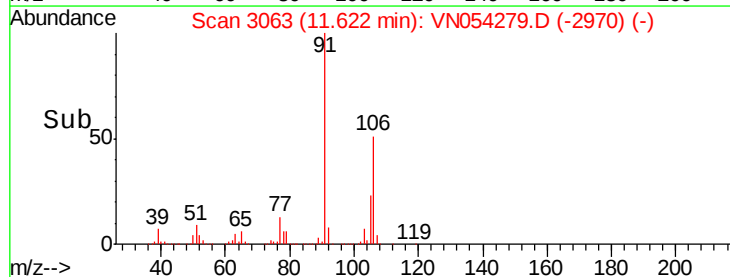
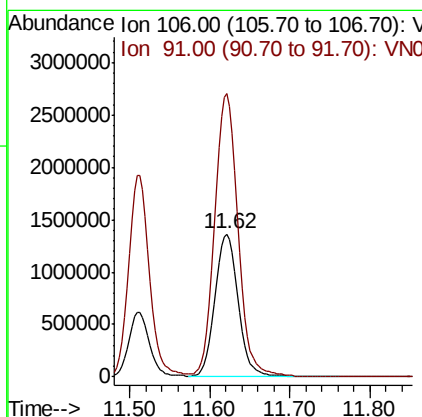
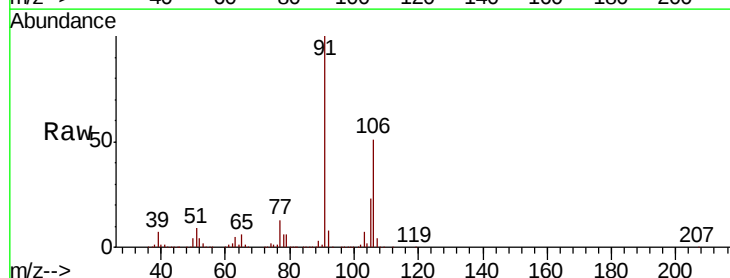
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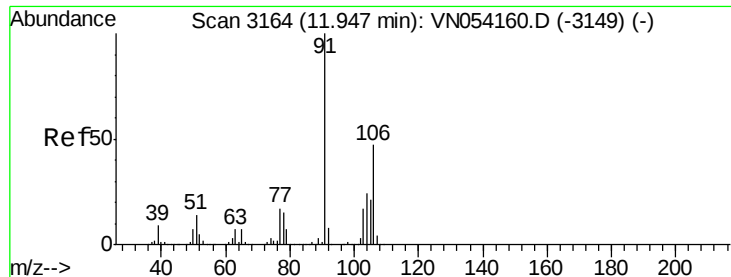
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#68
m/p-Xylenes
Concen: 106.064 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 106 Resp: 2765760
Ion Ratio Lower Upper
106 100
91 199.2 159.4 239.2





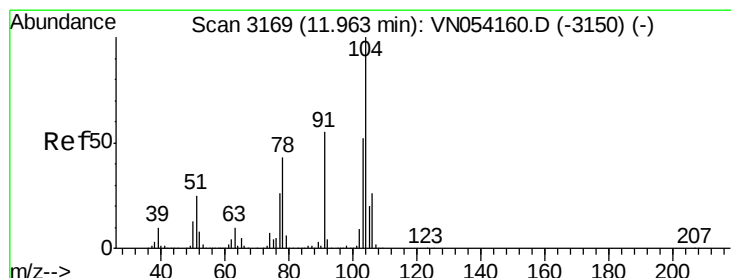
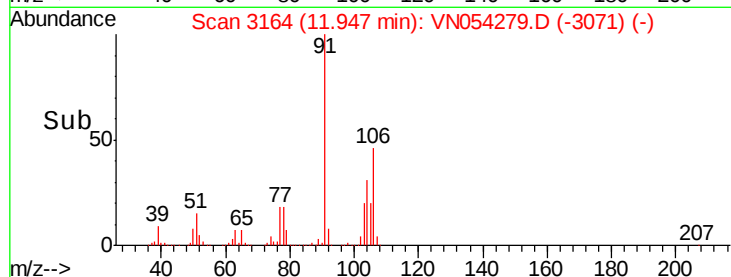
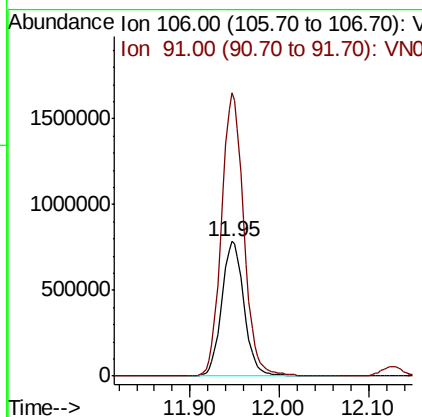
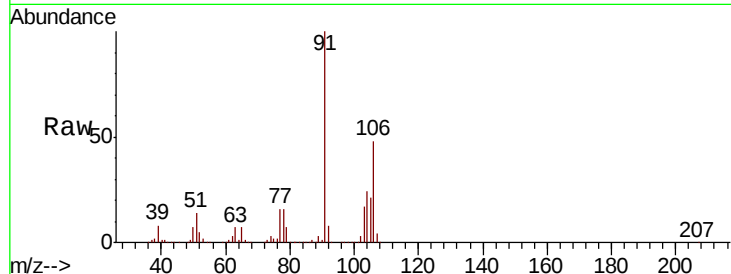
#69
o-Xylene
Concen: 53.651 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 1363806
Ion Ratio Lower Upper
106 100
91 209.5 105.7 317.1

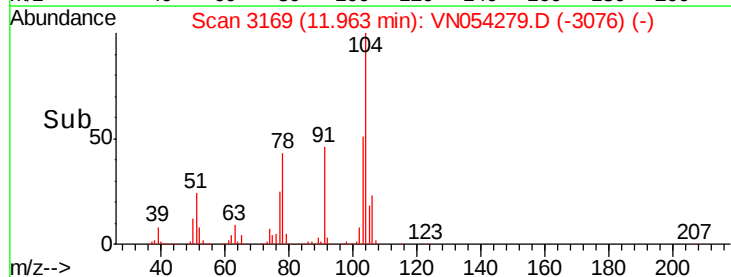
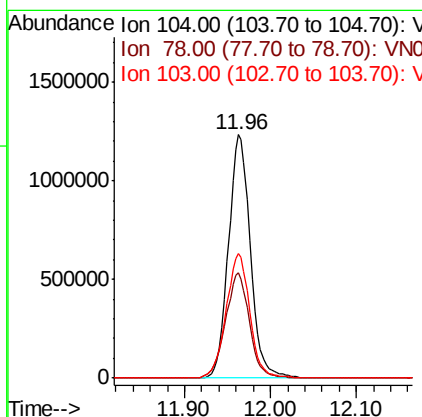
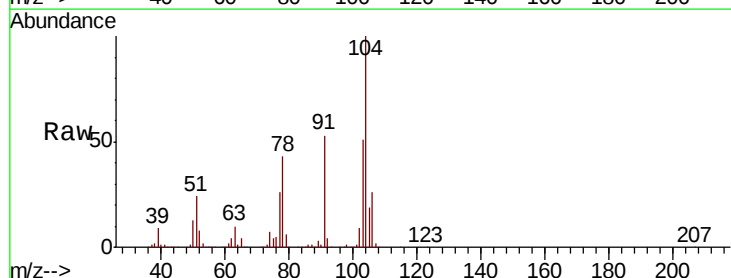
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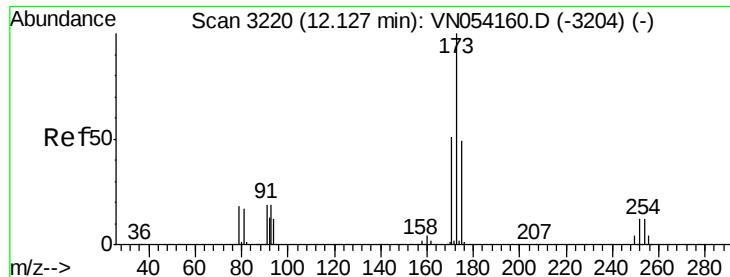
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#70
Styrene
Concen: 54.671 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion:104 Resp: 2179557
Ion Ratio Lower Upper
104 100
78 47.2 38.2 57.2
103 55.2 44.4 66.6





#71

Bromoform

Concen: 46.408 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

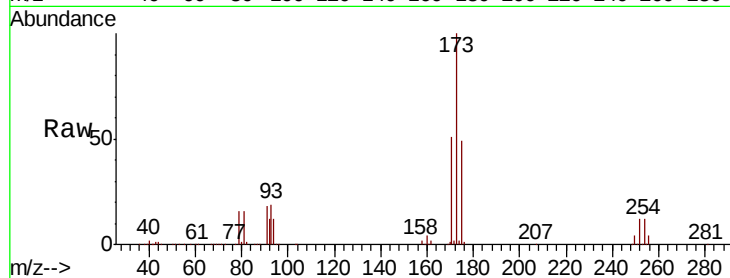
ClientSampleId :

VSTDCCC050

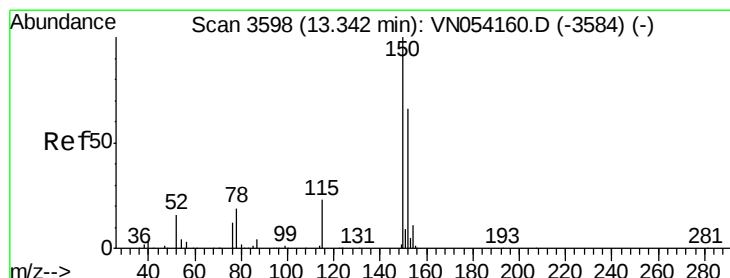
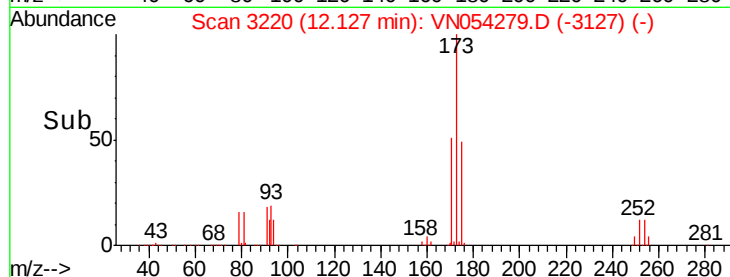
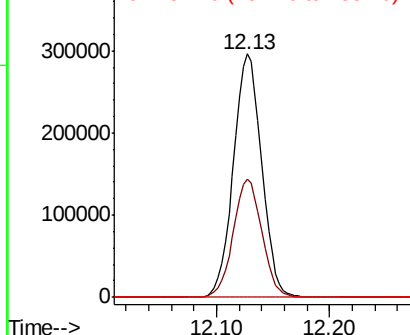
Tgt Ion:	173	Resp:	515259
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.4	73.2
254	0.1	0.1	0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

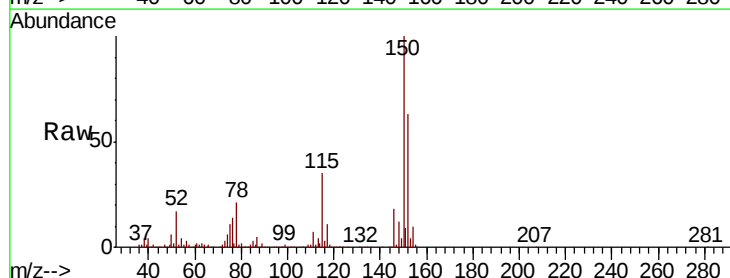
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

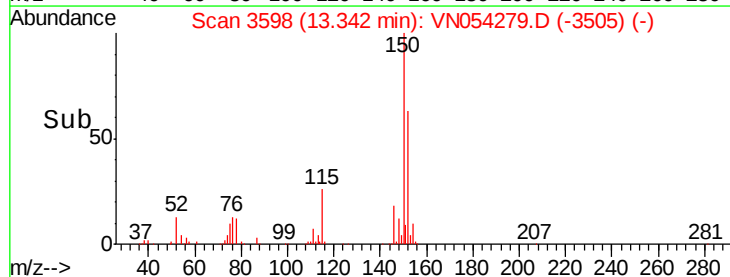
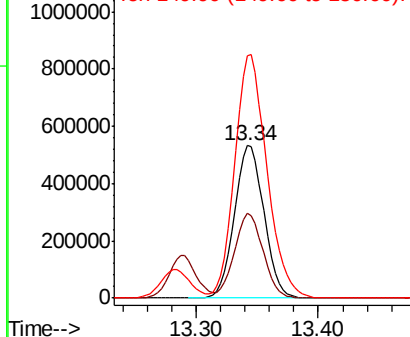
Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion:	152	Resp:	890353
Ion Ratio	Lower	Upper	
152	100		
115	54.0	27.2	81.6
150	174.0	0.0	349.2



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: 50.532 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 3599578

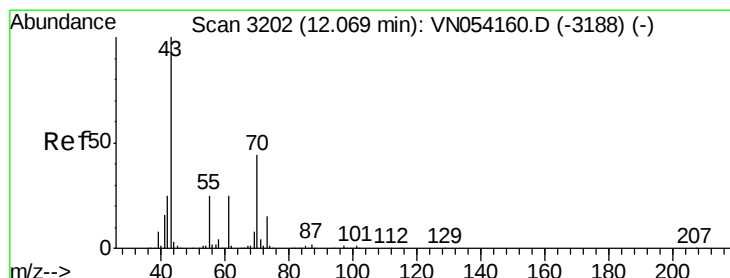
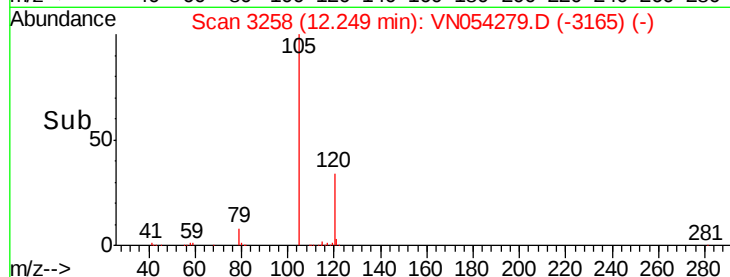
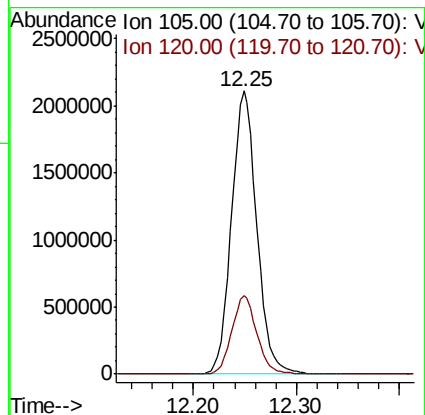
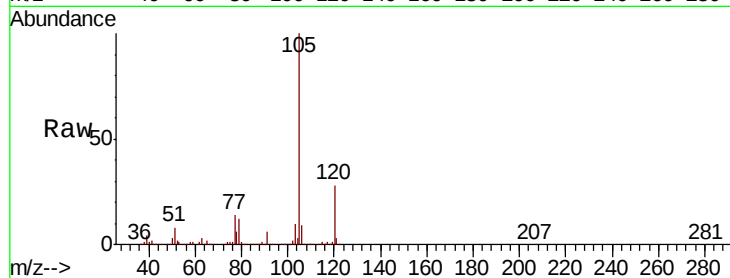
Ion Ratio Lower Upper

105 100

120 27.5 13.8 41.3

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#74

N-ethyl acetate

Concen: 52.360 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion: 43 Resp: 827890

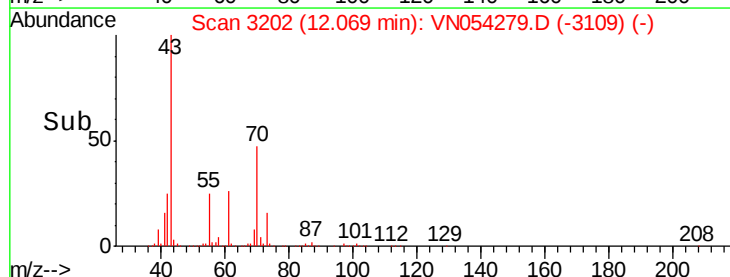
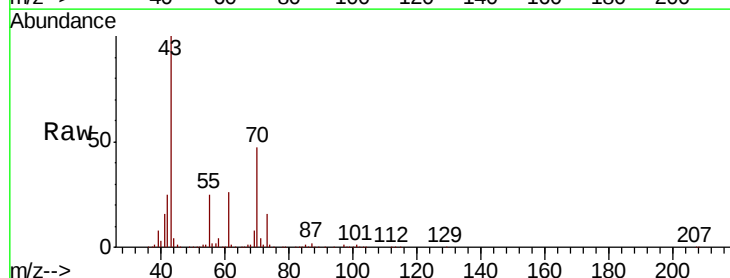
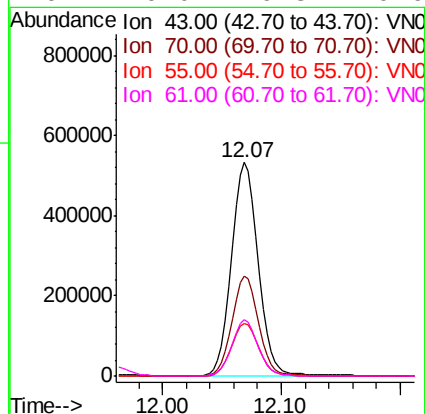
Ion Ratio Lower Upper

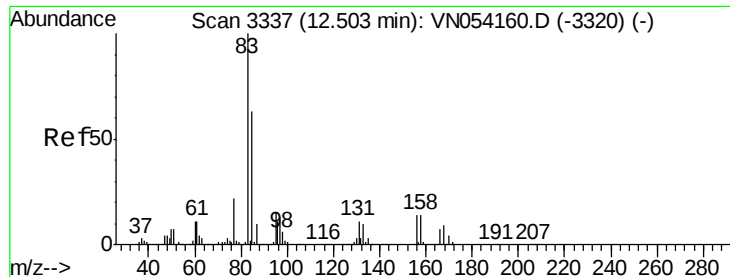
43 100

70 46.6 35.4 53.0

55 25.5 19.8 29.6

61 26.0 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.660 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 814378
Ion Ratio Lower Upper

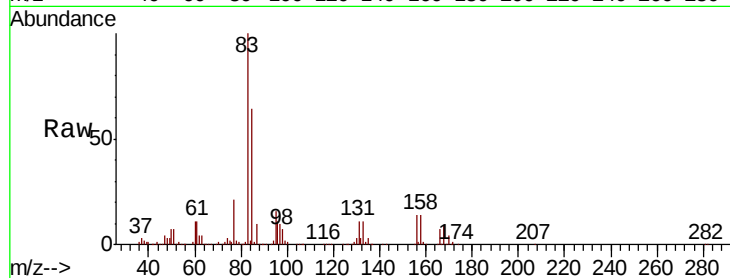
83 100

131 11.3 5.8 17.4

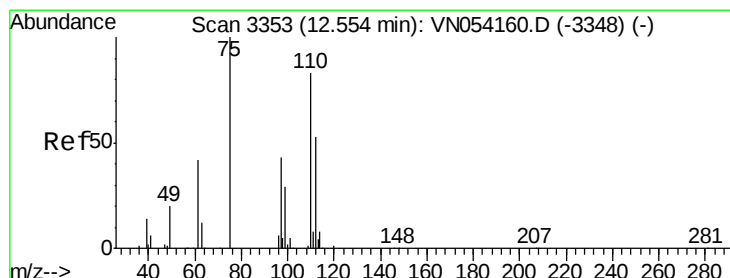
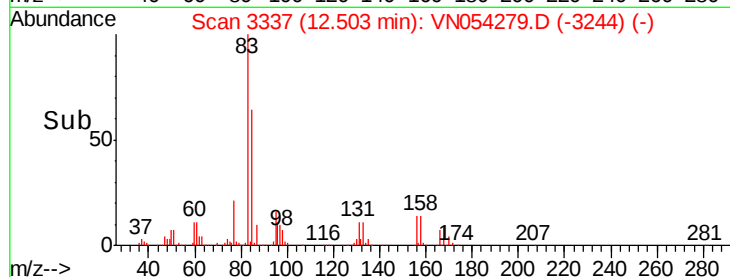
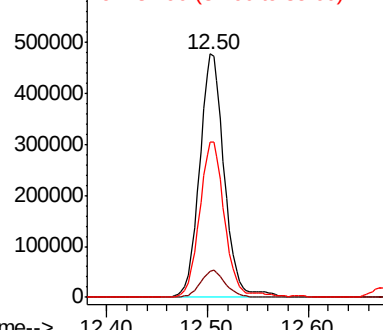
85 63.7 32.2 96.6

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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: 51.624 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

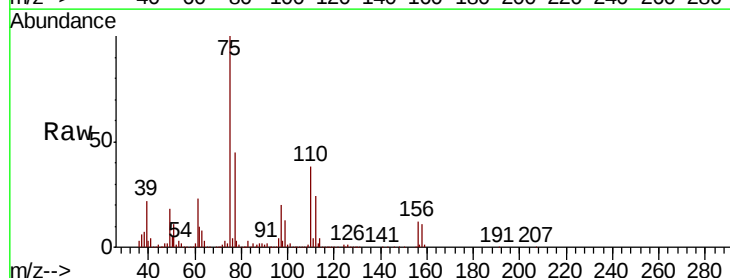
Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

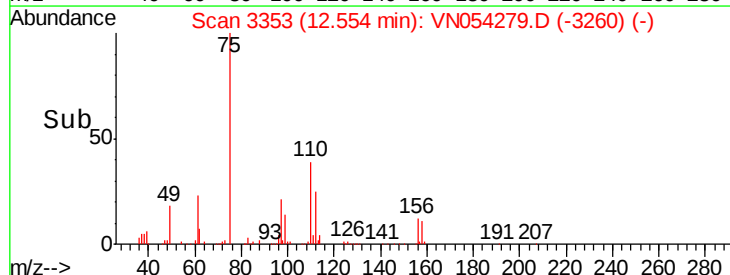
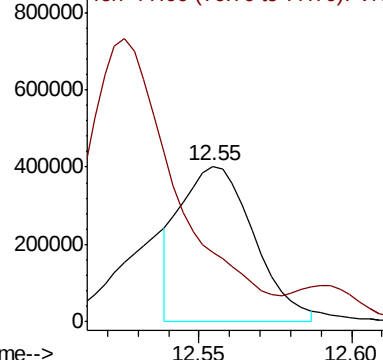
Tgt Ion: 75 Resp: 675918
Ion Ratio Lower Upper

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





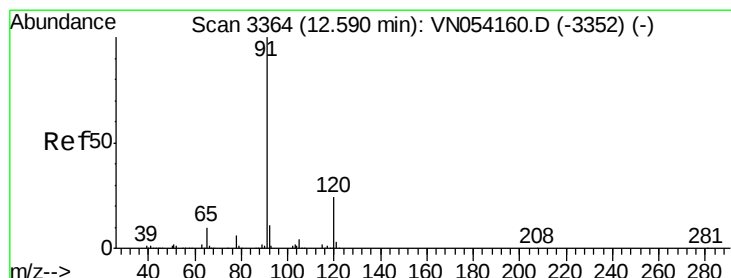
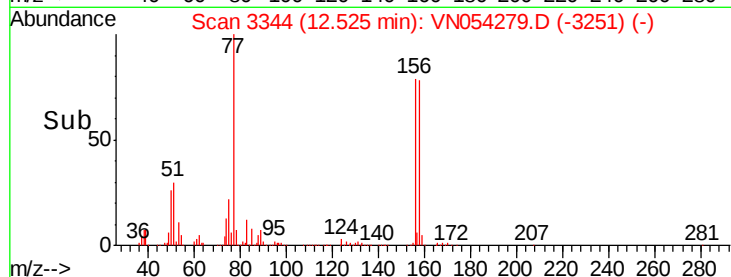
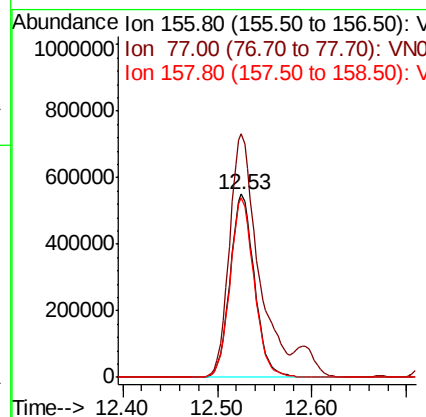
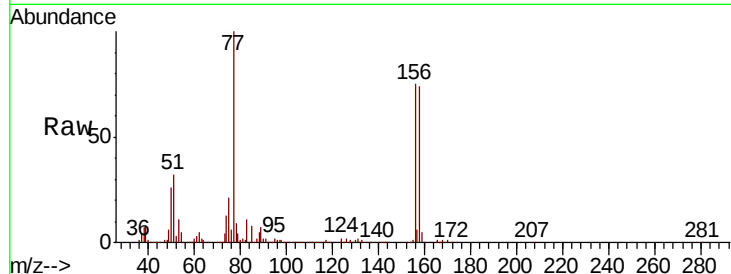
#77
Bromobenzene
Concen: 52.211 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.8	81.5	244.4
158	97.0	49.0	147.2

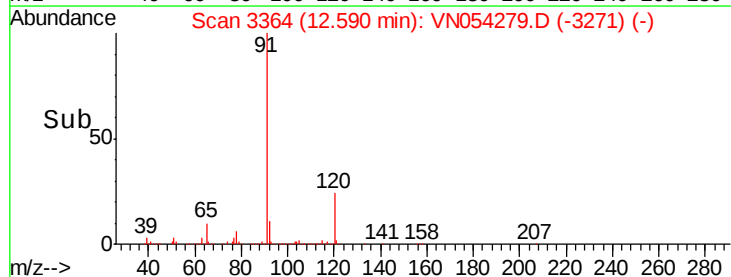
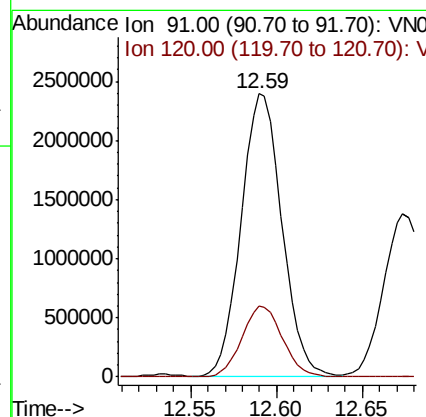
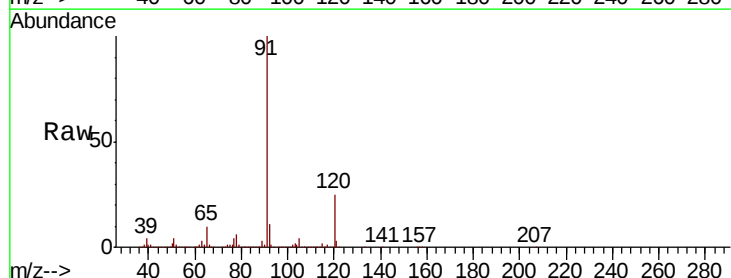
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#78
n-propylbenzene
Concen: 50.782 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.1	12.3	36.9





#79

2-Chlorotoluene

Concen: 50.583 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 2350792

Ion Ratio Lower Upper

91 100

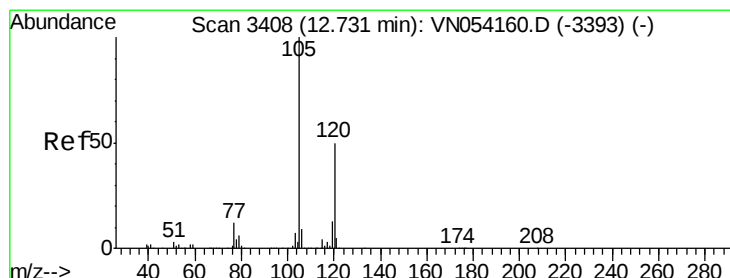
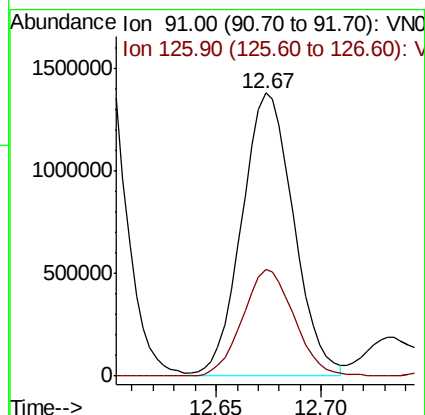
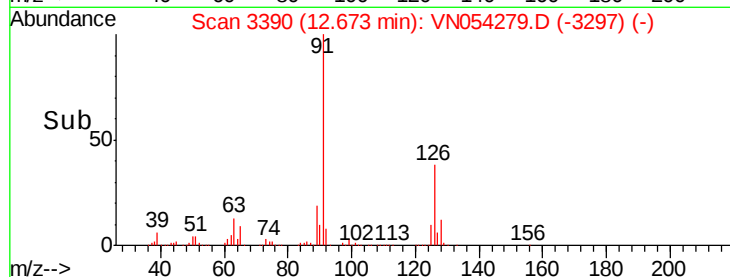
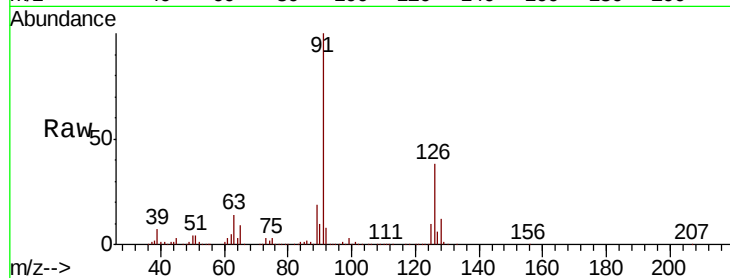
126 37.9 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.741 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054279.D

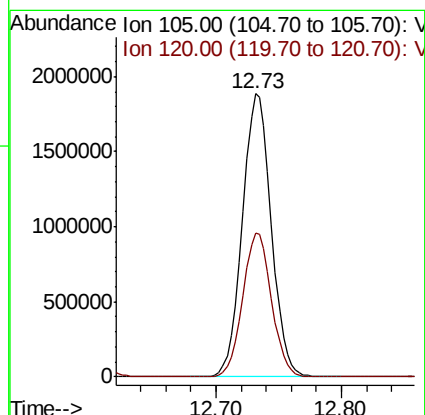
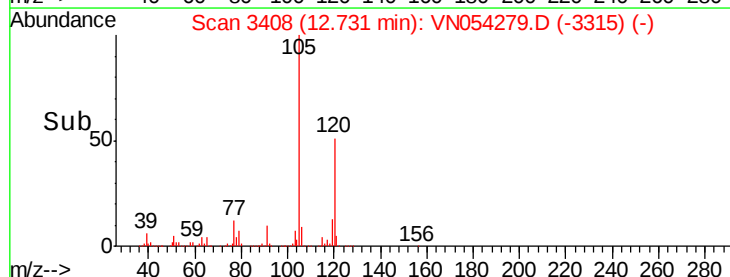
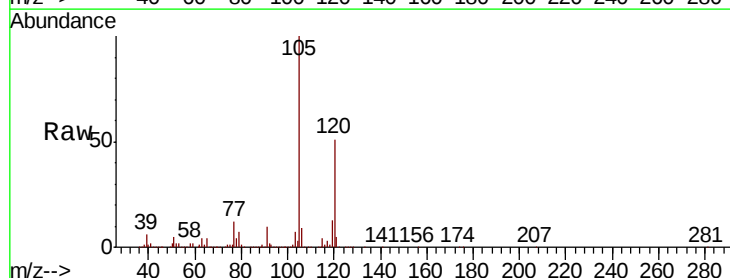
Acq: 14 Mar 2019 23:32

Tgt Ion: 105 Resp: 3006478

Ion Ratio Lower Upper

105 100

120 50.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.693 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Instrument :

MSVOA_N

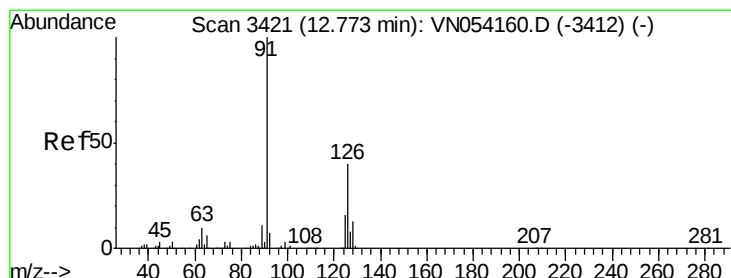
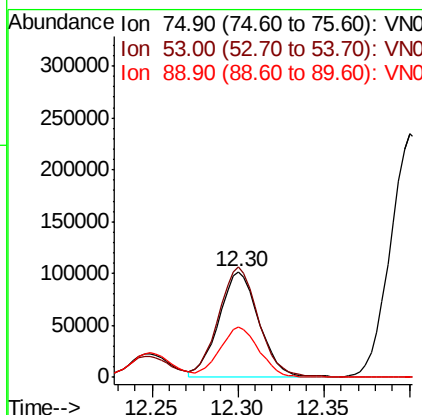
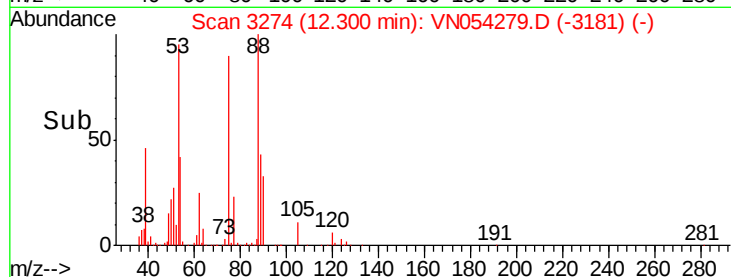
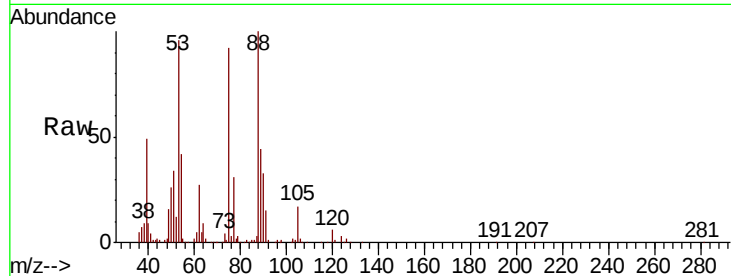
ClientSampleId :

VSTDCCC050

Tgt Ion:	75	Resp:	163519
Ion	Ratio	Lower	Upper
75	100		
53	106.3	76.2	114.2
89	47.8	39.2	58.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.783 ug/l

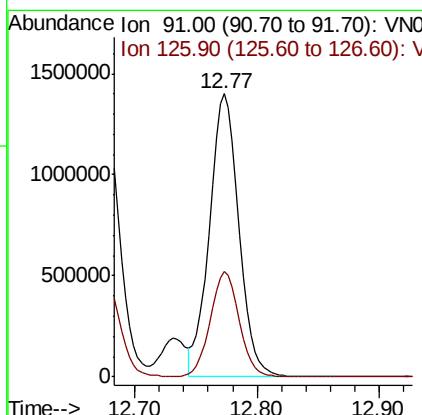
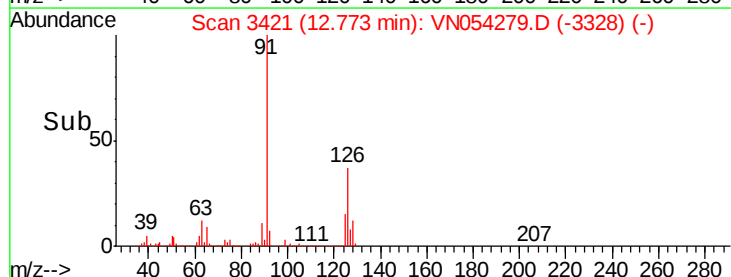
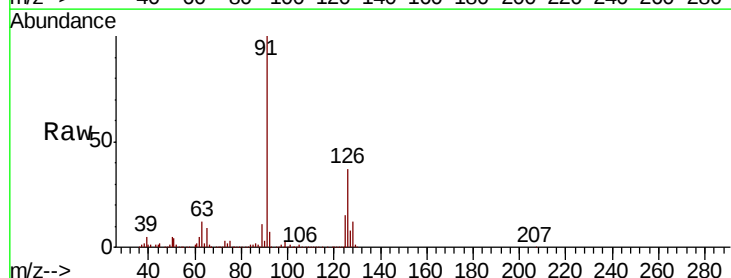
RT: 12.77 min Scan# 3421

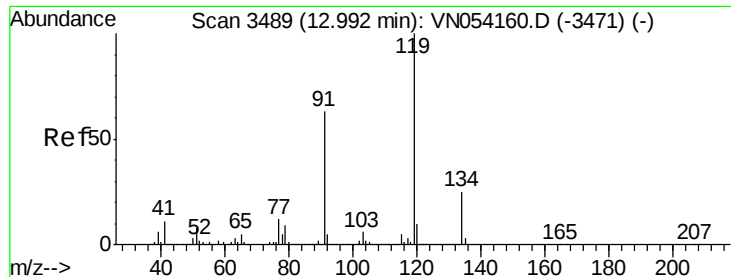
Delta R.T. 0.00 min

Lab File: VN054279.D

Acq: 14 Mar 2019 23:32

Tgt Ion:	91	Resp:	2356623
Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.1	54.1





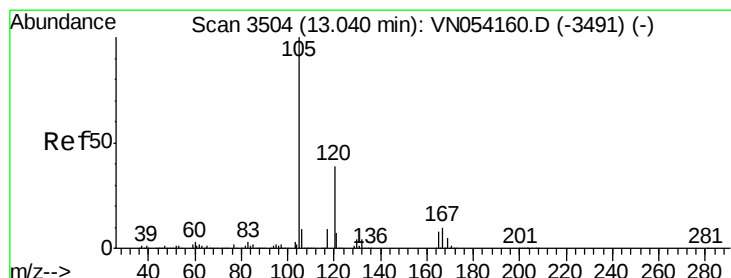
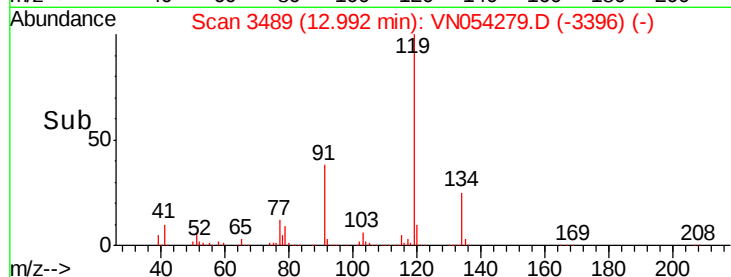
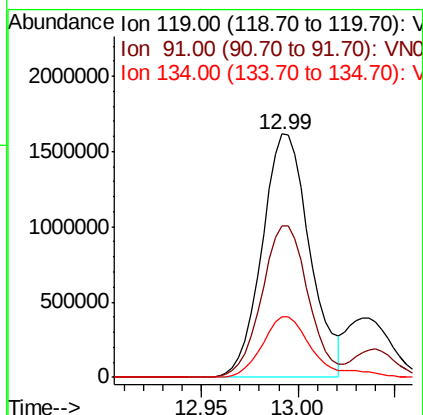
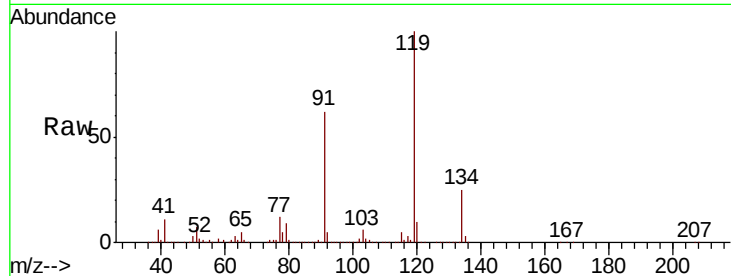
#83
 tert-Butylbenzene
 Concen: 50.912 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 2776599
 Ion Ratio Lower Upper
 119 100
 91 60.6 30.9 92.8
 134 26.5 13.2 39.6

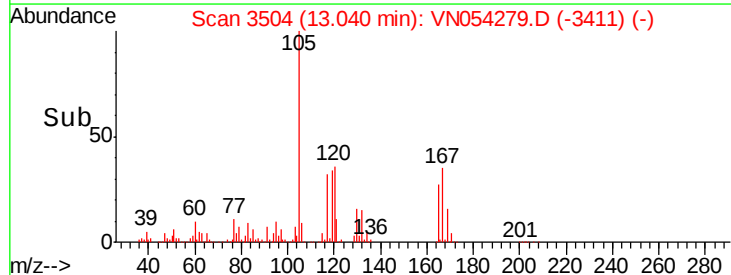
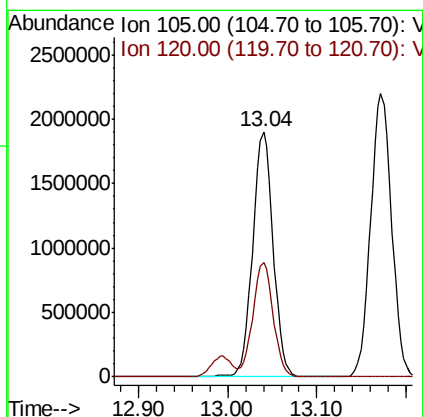
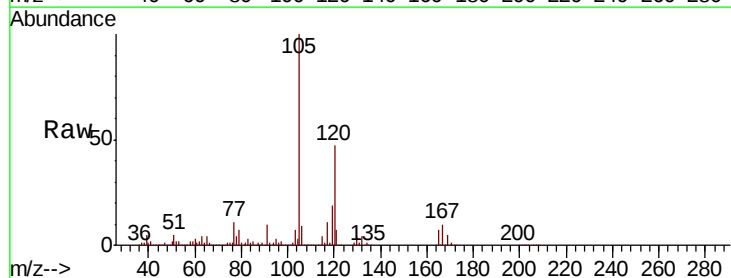
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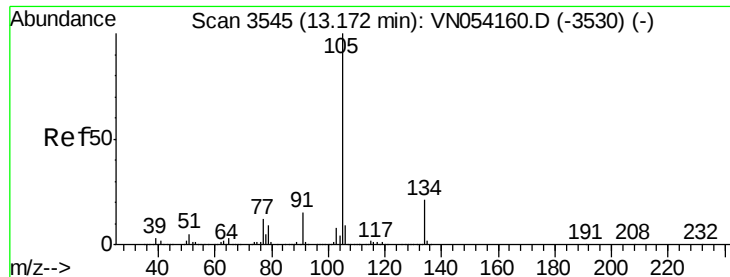
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.497 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion:105 Resp: 3051590
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.4 70.3





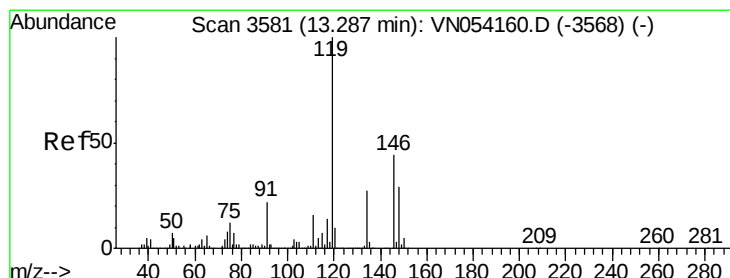
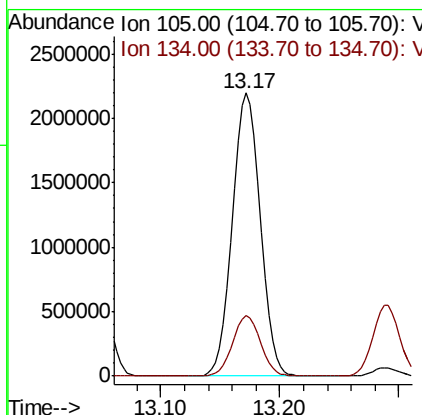
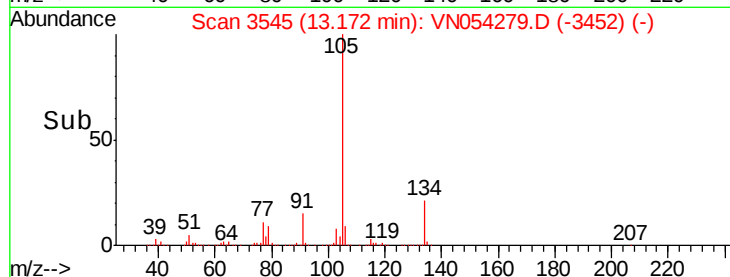
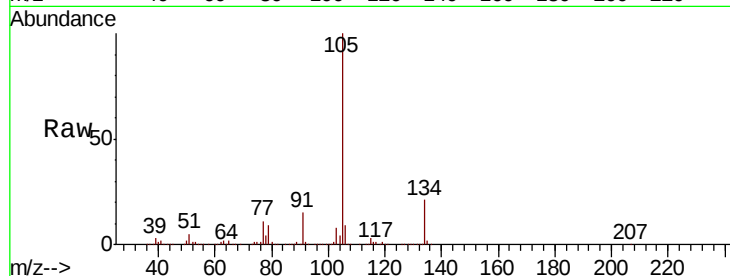
#85
 sec-Butylbenzene
 Concen: 50.481 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 3570365
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 32.1

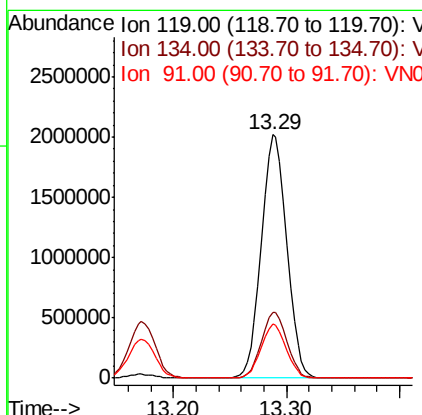
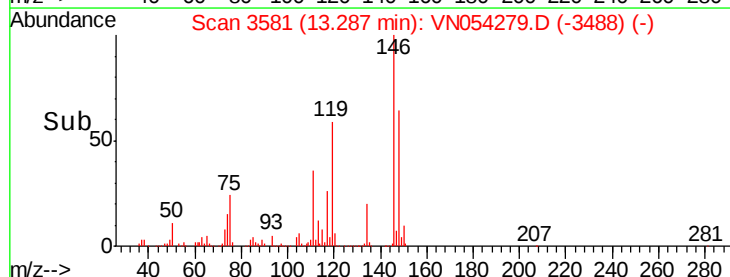
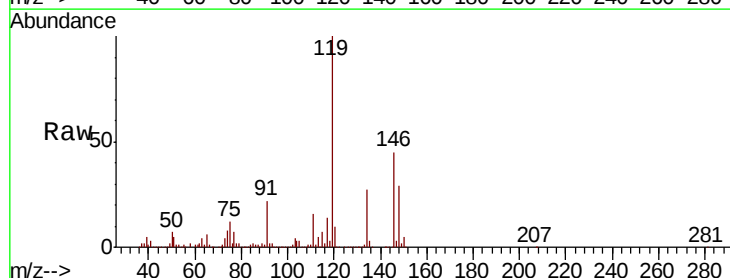
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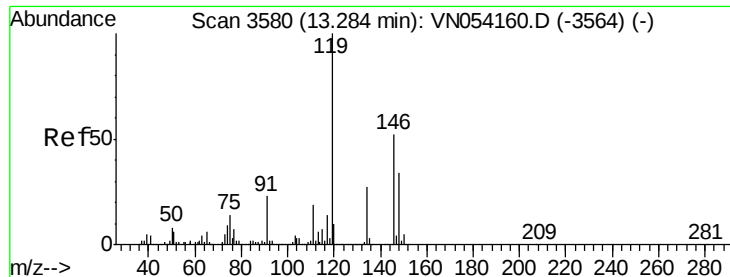
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#86
 p-Isopropyltoluene
 Concen: 50.855 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion:119 Resp: 3155535
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.6 40.8
 91 21.8 11.1 33.3





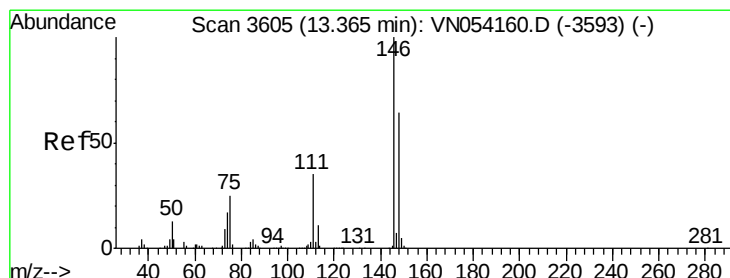
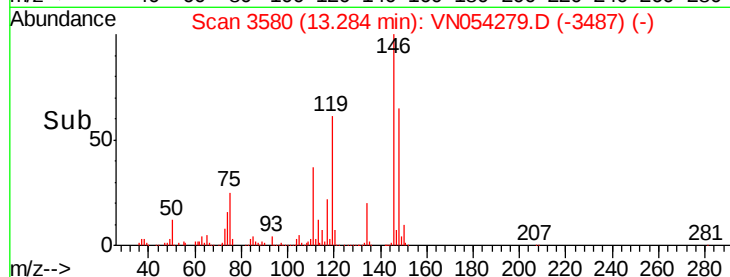
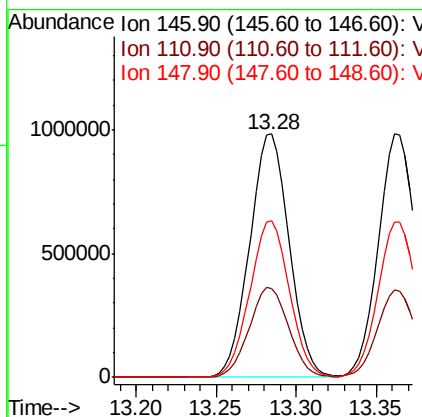
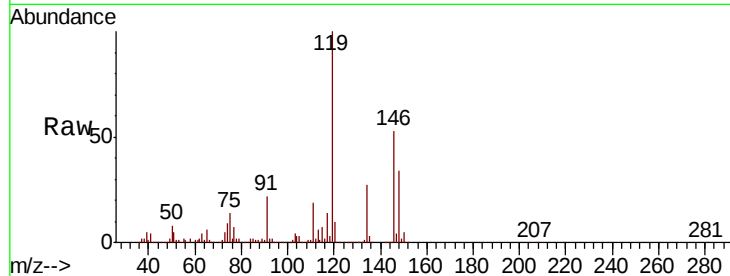
#87
 1,3-Dichlorobenzene
 Concen: 52.756 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.3
148	64.5	32.2	96.6

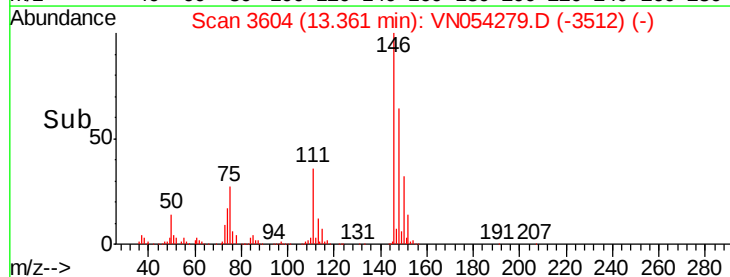
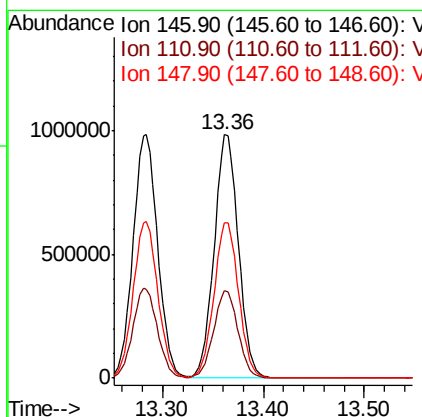
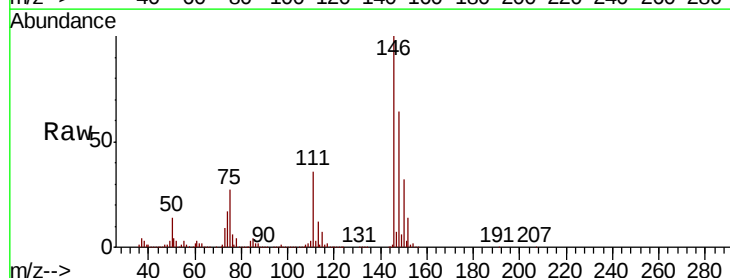
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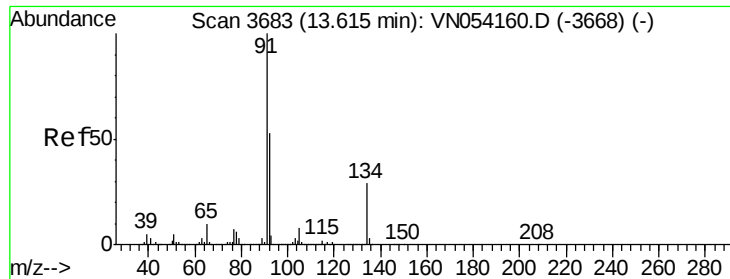
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#88
 1,4-Dichlorobenzene
 Concen: 52.657 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.1
148	64.7	32.0	96.0





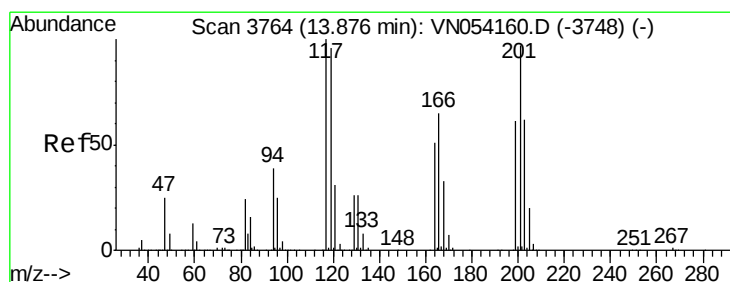
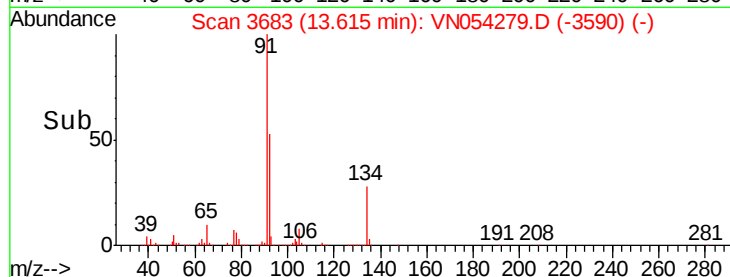
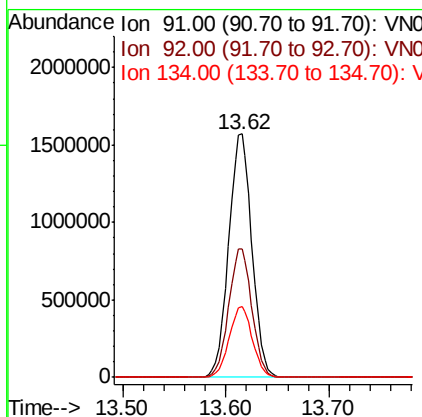
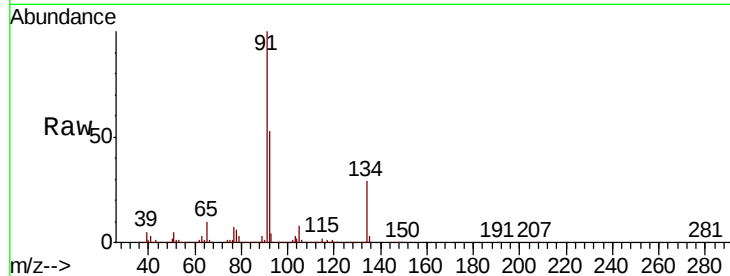
#89
n-Butylbenzene
Concen: 52.093 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 2455976
Ion Ratio Lower Upper
91 100
92 52.7 26.2 78.6
134 28.9 14.3 42.9

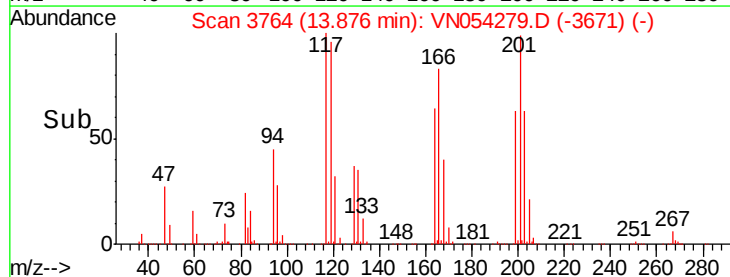
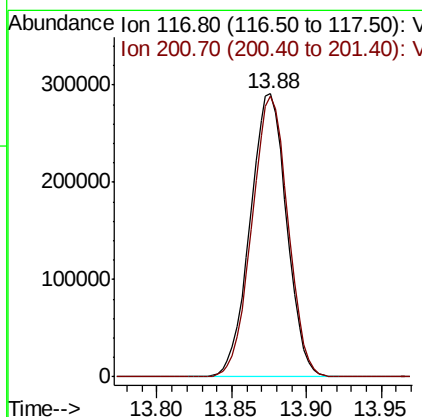
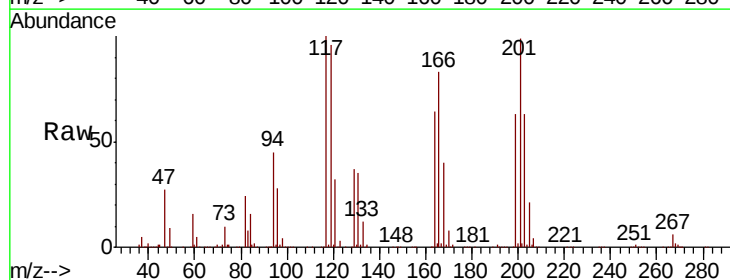
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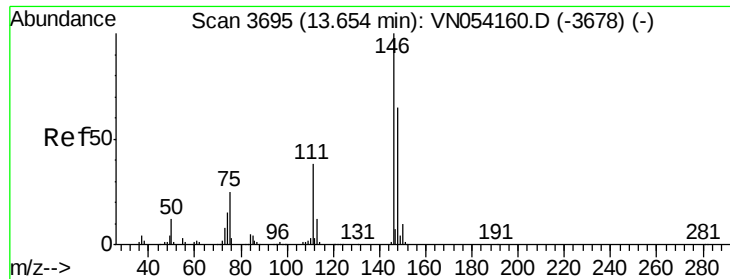
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#90
Hexachloroethane
Concen: 48.180 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion: 117 Resp: 495021
Ion Ratio Lower Upper
117 100
201 97.7 48.1 144.4





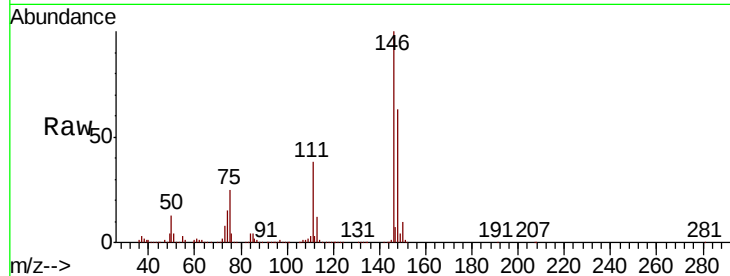
#91
 1,2-Dichlorobenzene
 Concen: 53.469 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.1	57.3
148	63.9	32.4	97.0

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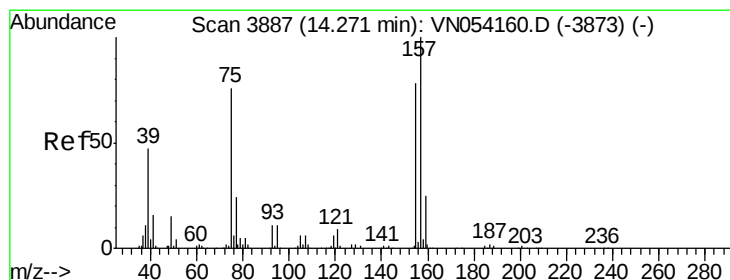
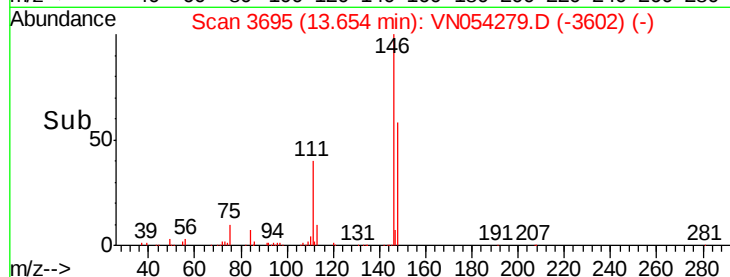
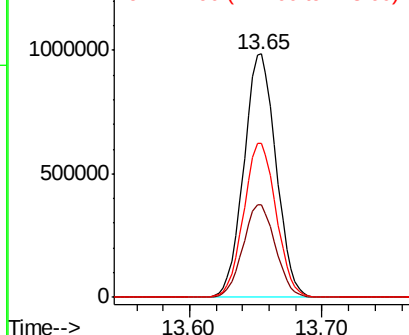


Abundance

Ion 145.90 (145.60 to 146.60): V

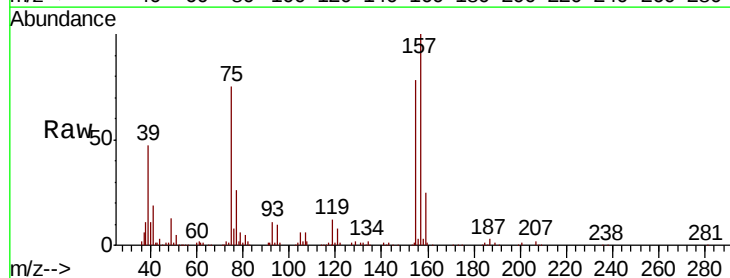
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.998 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.9	50.1	150.3
157	131.5	63.1	189.3

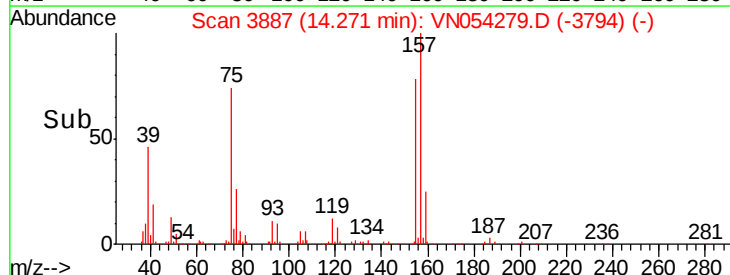
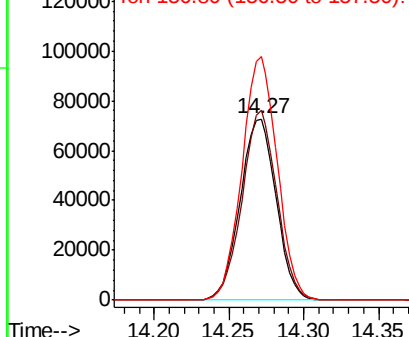


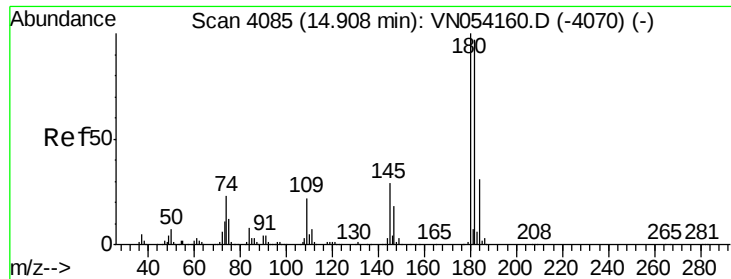
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





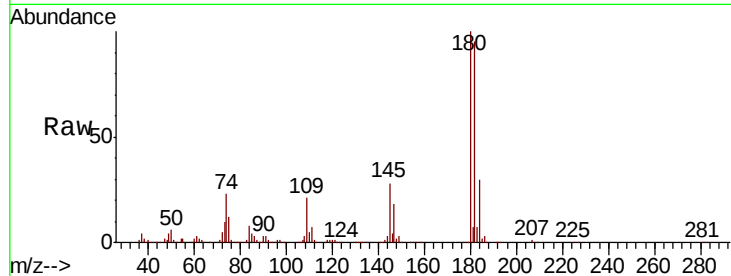
#93
 1,2,4-Trichlorobenzene
 Concen: 50.314 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	943492		
182	95.3	48.0	144.2	
145	27.7	14.2	42.8	

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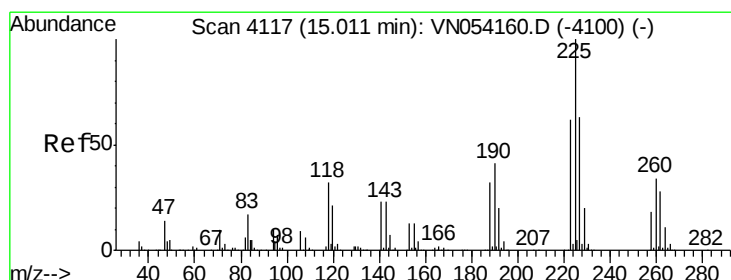
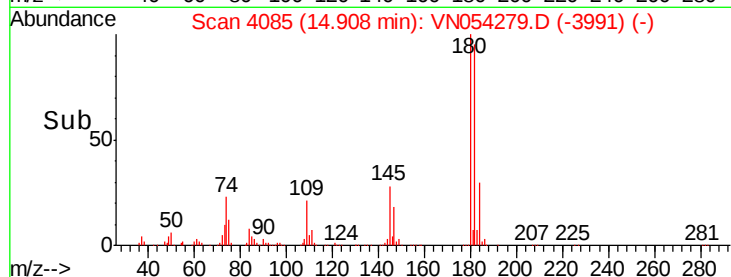
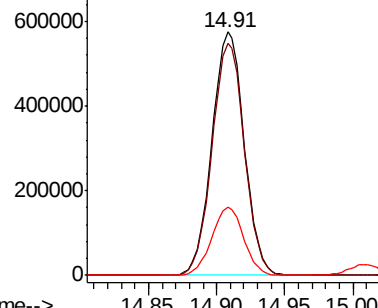


Abundance

Ion 179.80 (179.50 to 180.50): V

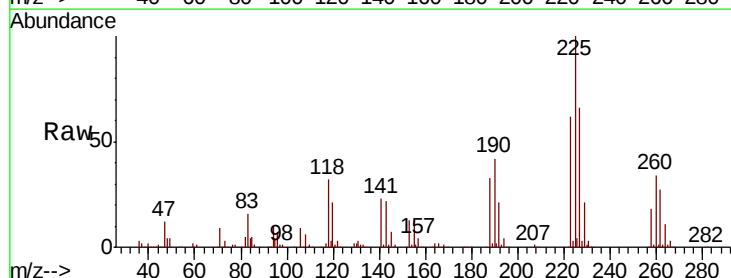
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.890 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054279.D
 Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	578226		
223	62.3	31.1	93.5	
227	64.3	31.9	95.9	

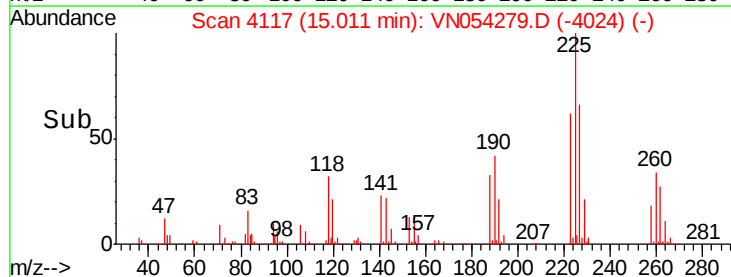
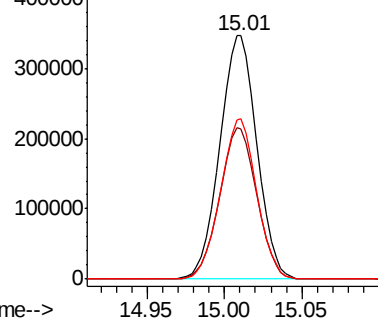


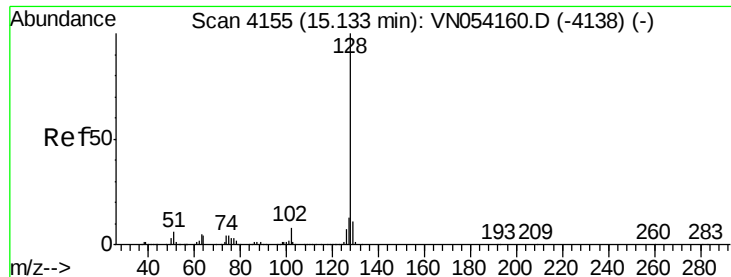
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





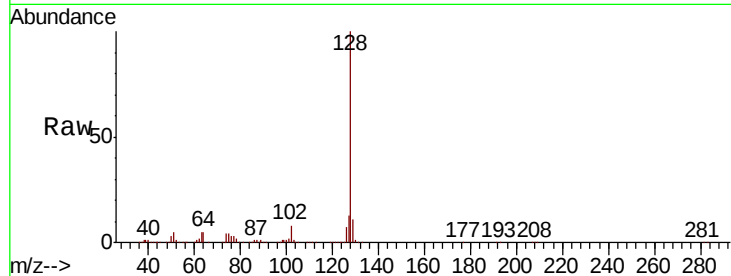
#95
Naphthalene
Concen: 50.146 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

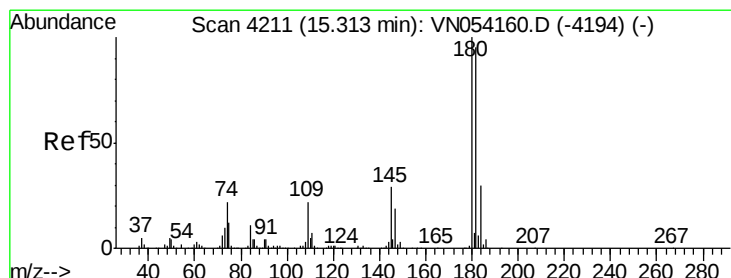
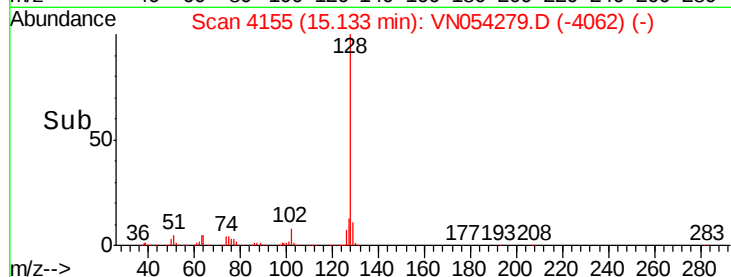
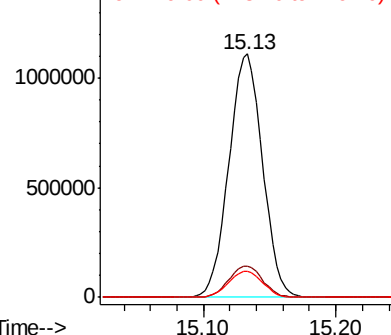
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/15/2019 10:08:24 AM

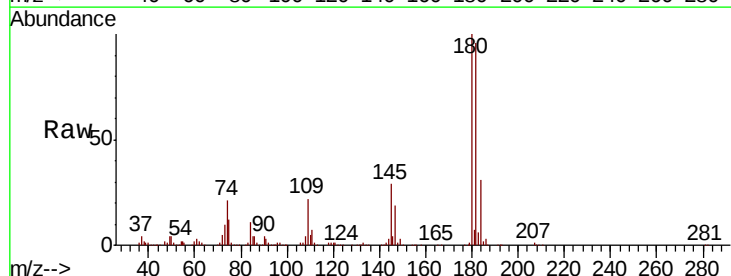


Abundance Ion 128.00 (127.70 to 128.70): V
1500000 Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 57.151 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN054279.D
Acq: 14 Mar 2019 23:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.6
145	29.5	14.8	44.3



Abundance Ion 179.80 (179.50 to 180.50): V
600000 Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

