

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060194.D
 Acq On : 21 Feb 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/24/2020 11:38:37 AM

Quant Time: Feb 21 23:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	299202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	112253	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
35) Dibromofluoromethane	7.57	113	89573	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
50) Toluene-d8	10.08	98	354524	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
62) 4-Bromofluorobenzene	12.40	95	133303	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85038	44.838	ug/l	99
3) Chloromethane	2.04	50	98303	43.555	ug/l	99
4) Vinyl Chloride	2.17	62	116544	45.302	ug/l	100
5) Bromomethane	2.55	94	69128	43.823	ug/l	99
6) Chloroethane	2.69	64	60902	46.805	ug/l	97
7) Trichlorofluoromethane	3.00	101	150443	45.358	ug/l	97
8) Diethyl Ether	3.38	74	53929	48.845	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84568	45.924	ug/l	99
10) Methyl Iodide	3.93	142	118444	47.967	ug/l	99
11) Tert butyl alcohol	4.73	59	68684	198.796	ug/l	100
12) 1,1-Dichloroethene	3.72	96	83831	46.731	ug/l	99
13) Acrolein	3.58	56	79525	232.865	ug/l	96
14) Allyl chloride	4.29	41	125393	47.491	ug/l	97
15) Acrylonitrile	4.94	53	203747	241.476	ug/l	99
16) Acetone	3.78	43	179041	177.781	ug/l	99
17) Carbon Disulfide	4.03	76	230018	42.540	ug/l	100
18) Methyl Acetate	4.29	43	93059	49.190	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	287420	47.643	ug/l	99
20) Methylene Chloride	4.52	84	95053	47.309	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	91101	46.587	ug/l	98
22) Diisopropyl ether	5.92	45	288352	49.831	ug/l	96
23) Vinyl Acetate	5.86	43	1194988	245.912	ug/l	99
24) 1,1-Dichloroethane	5.82	63	168620	48.102	ug/l	99
25) 2-Butanone	6.80	43	269641	212.887	ug/l	97
26) 2,2-Dichloropropane	6.80	77	157101	47.184	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	107578	47.007	ug/l	98
28) Bromochloromethane	7.17	49	66085	47.953	ug/l	99
29) Tetrahydrofuran	7.18	42	176669	227.365	ug/l	98
30) Chloroform	7.35	83	176084	47.953	ug/l	98
31) Cyclohexane	7.63	56	147971	45.314	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	161355	48.085	ug/l	100
36) 1,1-Dichloropropene	7.77	75	131237	47.355	ug/l	100
37) Ethyl Acetate	6.90	43	116439	46.489	ug/l	99
38) Carbon Tetrachloride	7.75	117	138335	45.962	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	158459	46.062	ug/l	99
40) Benzene	8.02	78	388053	47.204	ug/l	99
41) Methacrylonitrile	7.15	41	53989m	51.400	ug/l	
42) 1,2-Dichloroethane	8.10	62	141754	49.198	ug/l	99
43) Isopropyl Acetate	8.14	43	205033	47.888	ug/l	99
44) Trichloroethene	8.82	130	107346	47.158	ug/l	99
45) 1,2-Dichloropropane	9.10	63	101140	49.694	ug/l	98
46) Dibromomethane	9.19	93	68772	47.816	ug/l	98
47) Bromodichloromethane	9.39	83	142844	48.851	ug/l	98
48) Methyl methacrylate	9.18	41	89951	46.826	ug/l	99
49) 1,4-Dioxane	9.18	88	25201	767.821	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	585875	236.412	ug/l	100
52) Toluene	10.14	92	253362	48.061	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	161646	48.974	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	170356	49.015	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	98219	47.757	ug/l	98
56) Ethyl methacrylate	10.42	69	146119	50.224	ug/l	98
57) 1,3-Dichloropropane	10.70	76	162967	48.022	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	333636	246.156	ug/l	99
59) 2-Hexanone	10.74	43	426826	222.962	ug/l	99
60) Dibromochloromethane	10.89	129	112452	47.648	ug/l	99
61) 1,2-Dibromoethane	10.99	107	103179	47.858	ug/l	99
64) Tetrachloroethene	10.62	164	100384	45.946	ug/l	99
65) Chlorobenzene	11.43	112	271356	46.342	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	104971	47.389	ug/l	99
67) Ethyl Benzene	11.50	91	498228	47.177	ug/l	99
68) m/p-Xylenes	11.62	106	373038	94.116	ug/l	100
69) o-Xylene	11.94	106	179997	47.165	ug/l	100
70) Styrene	11.96	104	296716	48.214	ug/l	100
71) Bromoform	12.12	173	84732	47.559	ug/l #	98
73) Isopropylbenzene	12.24	105	492748	45.506	ug/l	100
74) N-amyl acetate	12.06	43	185425	47.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	141061	45.259	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	125313m	45.170	ug/l	
77) Bromobenzene	12.52	156	123807	46.072	ug/l	100
78) n-propylbenzene	12.59	91	564361	45.745	ug/l	100
79) 2-Chlorotoluene	12.67	91	329114	45.387	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	414344	46.022	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	51553	45.499	ug/l	98
82) 4-Chlorotoluene	12.77	91	342075	45.980	ug/l	99
83) tert-Butylbenzene	12.99	119	358193	44.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	416421	46.856	ug/l	99
85) sec-Butylbenzene	13.17	105	481392	45.639	ug/l	100
86) p-Isopropyltoluene	13.28	119	436007	45.624	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	220401	46.334	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	219336	46.120	ug/l	99
89) n-Butylbenzene	13.61	91	387469	46.096	ug/l	100
90) Hexachloroethane	13.87	117	81023	45.382	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	216344	46.474	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	28024	42.166	ug/l	99

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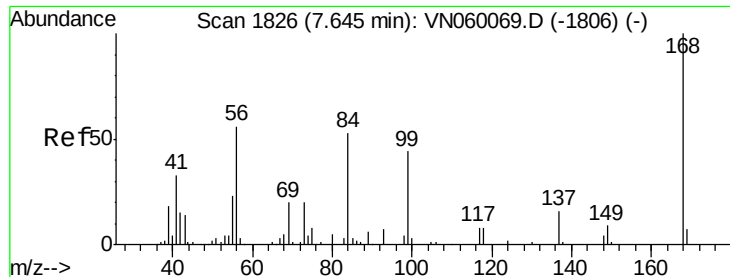
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	131190	47.963	ug/l	99
94) Hexachlorobutadiene	15.01	225	68775	42.950	ug/l	99
95) Naphthalene	15.13	128	332564	45.010	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	124673	45.770	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189739

Ion Ratio Lower Upper

168 100

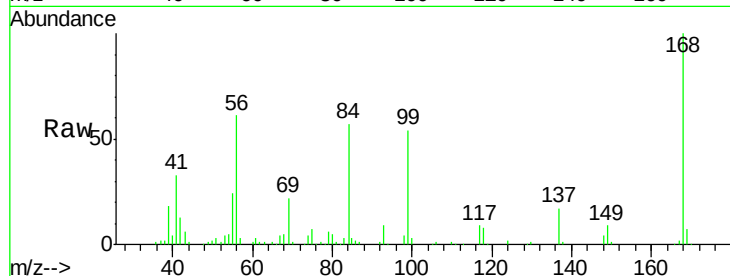
99 53.8 42.7 64.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

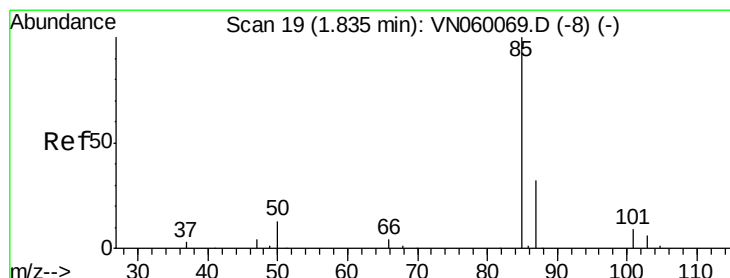
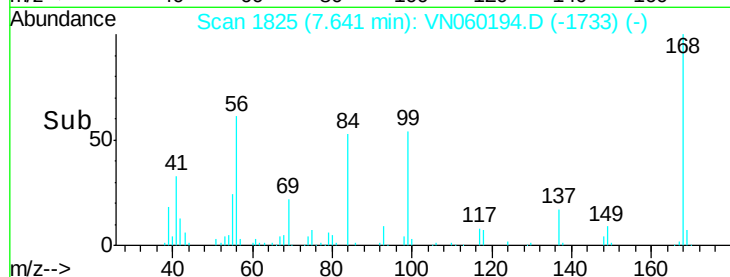
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 44.838 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060194.D

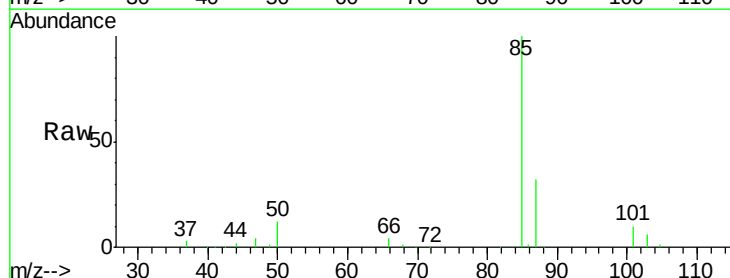
Acq: 21 Feb 2020 17:43

Tgt Ion: 85 Resp: 85038

Ion Ratio Lower Upper

85 100

87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

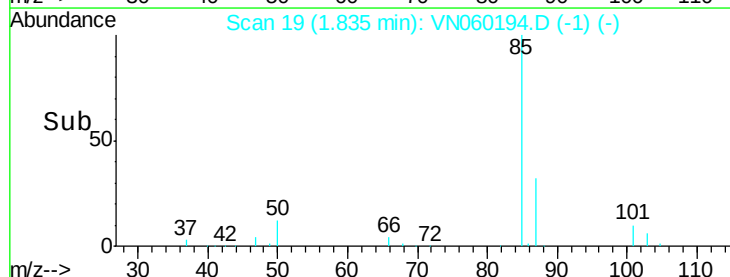
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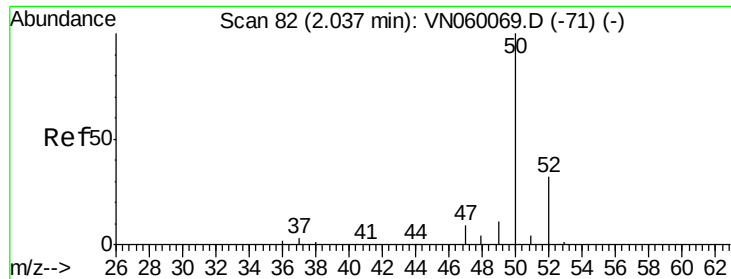
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.555 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 98303

Ion Ratio Lower Upper

50 100

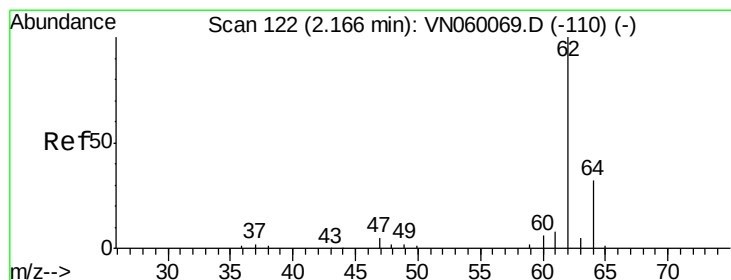
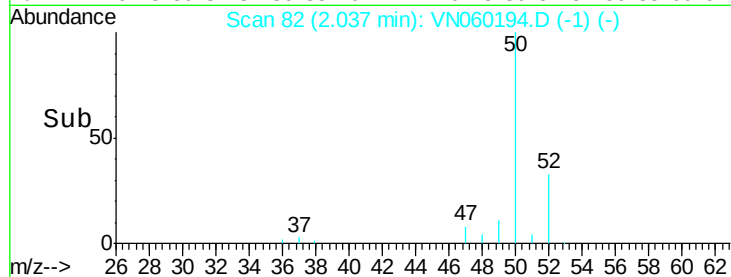
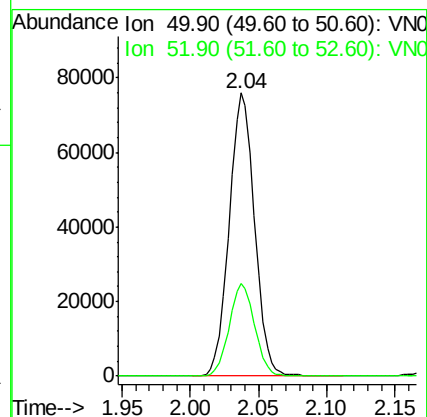
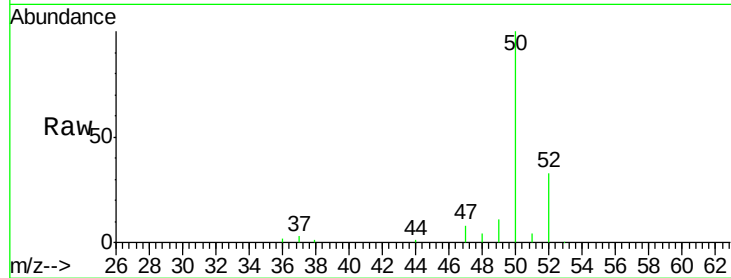
52 32.7 25.6 38.4

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#4

Vinyl Chloride

Concen: 45.302 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060194.D

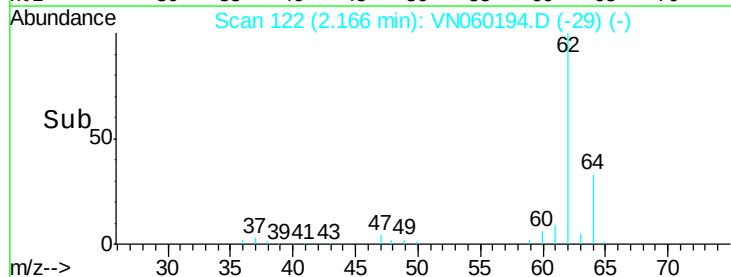
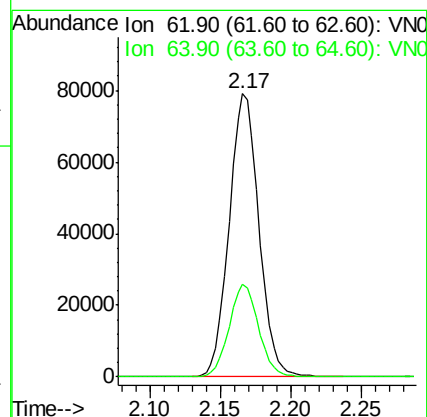
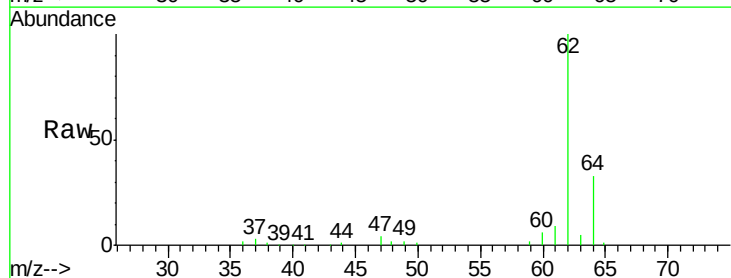
Acq: 21 Feb 2020 17:43

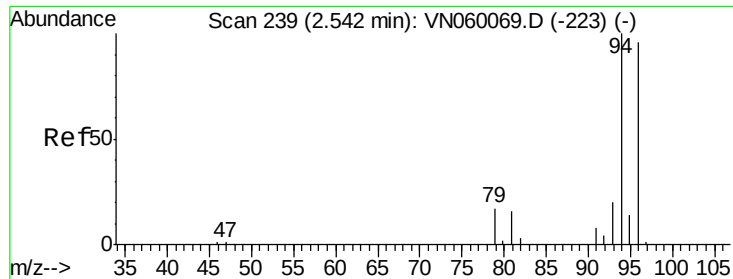
Tgt Ion: 62 Resp: 116544

Ion Ratio Lower Upper

62 100

64 32.5 25.9 38.9





#5

Bromomethane

Concen: 43.823 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 69128

Ion Ratio Lower Upper

94 100

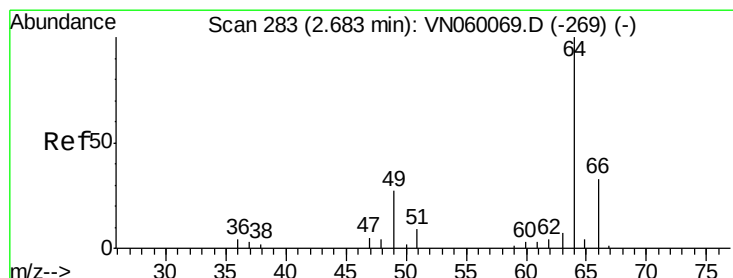
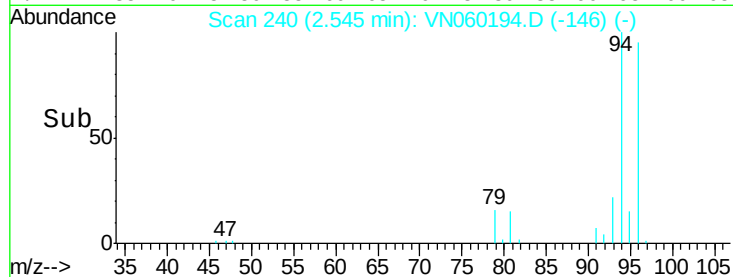
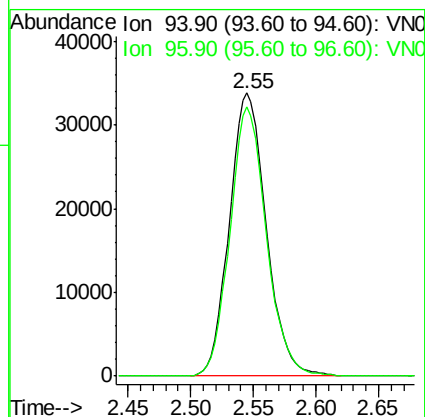
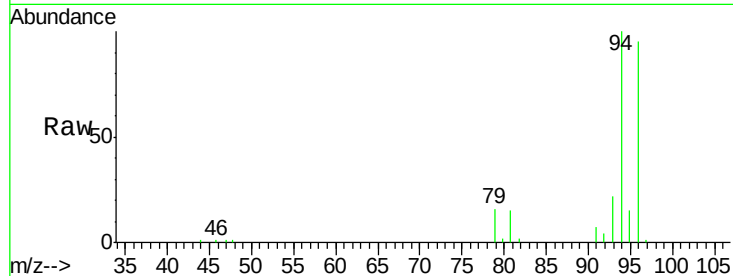
96 95.1 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 46.805 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060194.D

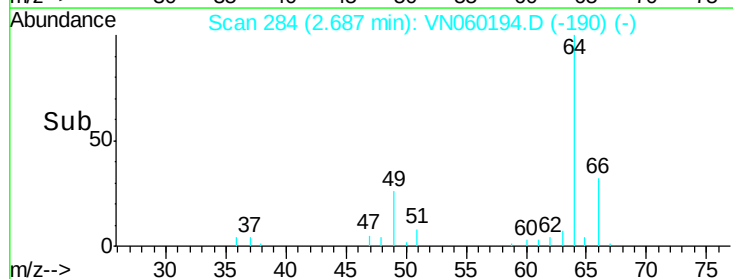
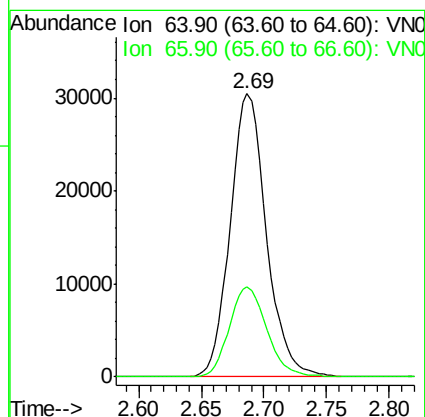
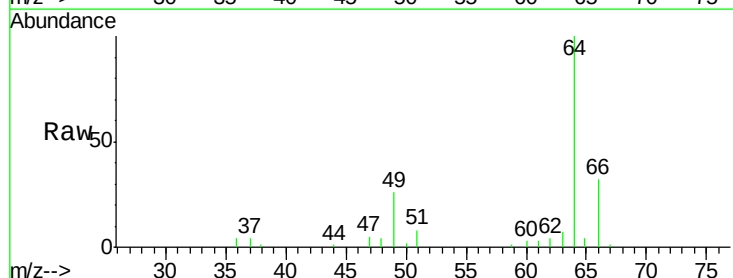
Acq: 21 Feb 2020 17:43

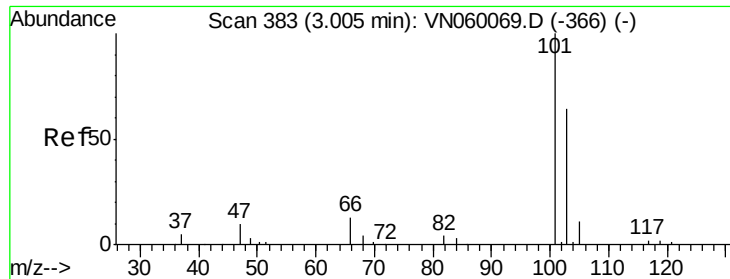
Tgt Ion: 64 Resp: 60902

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0





#7

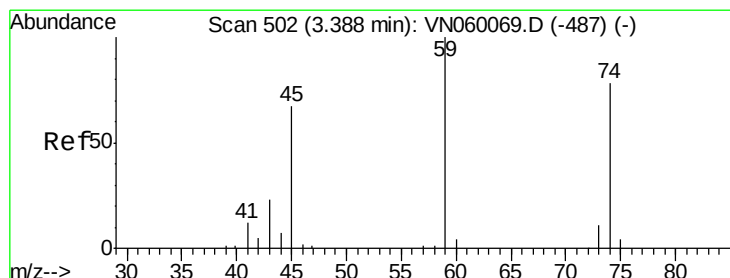
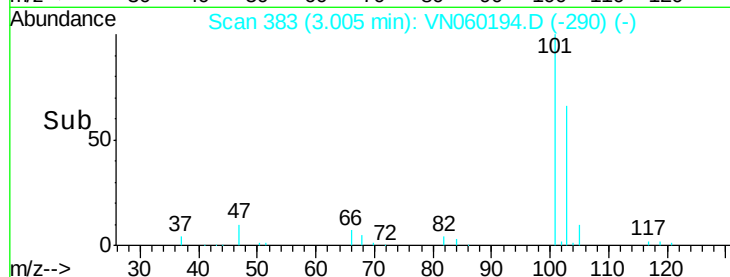
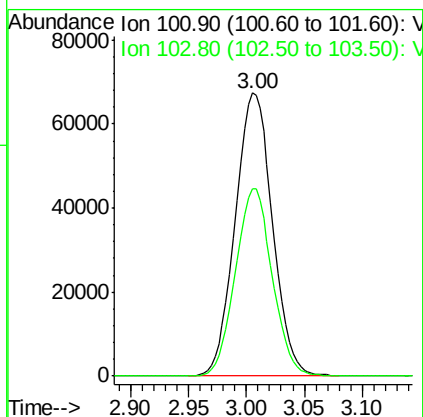
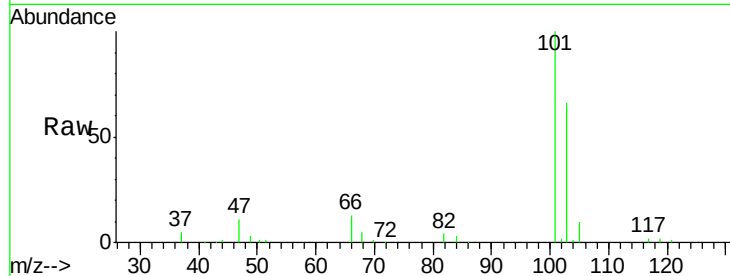
Trichlorofluoromethane
Concen: 45.358 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060194.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		150443		
103	66.3	51.0	76.6		

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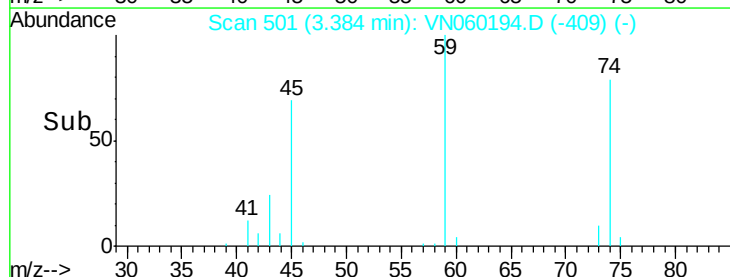
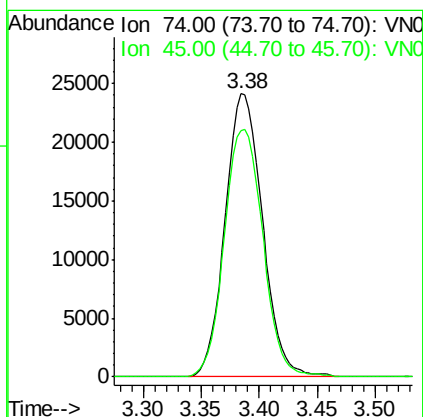
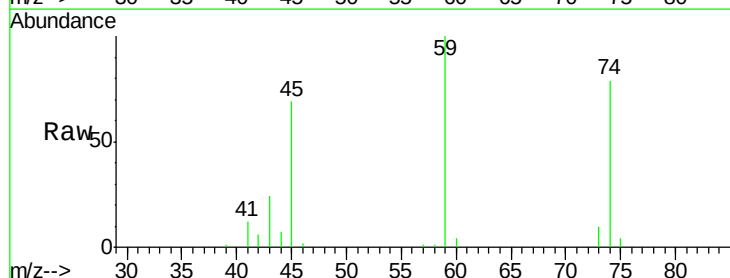
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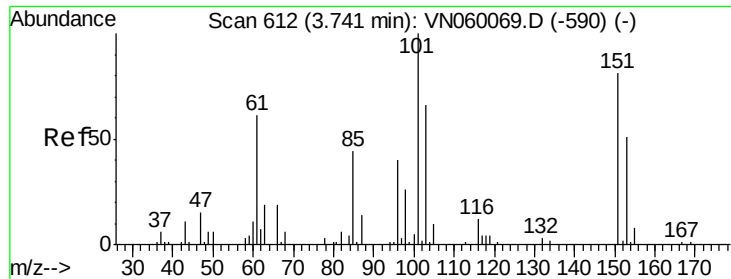


#8

Diethyl Ether
Concen: 48.845 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		53929		
45	90.3	44.7	134.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.924 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

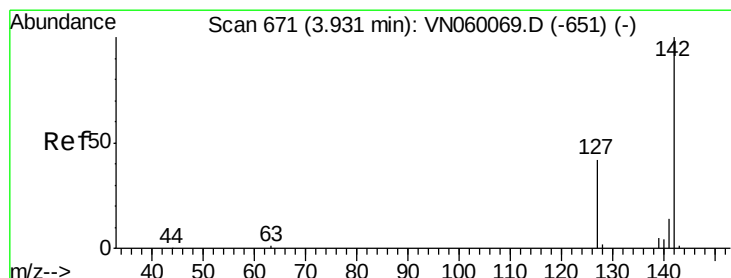
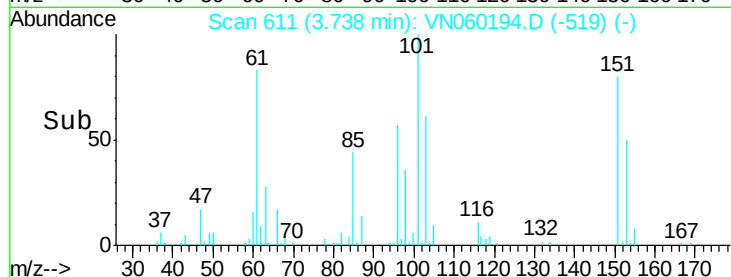
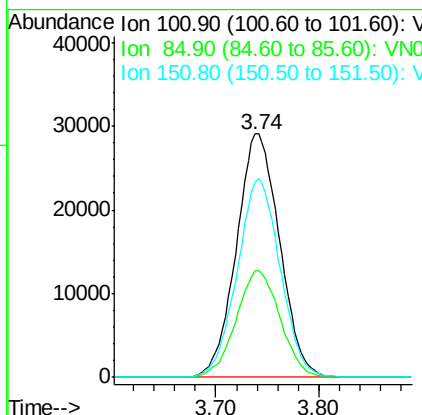
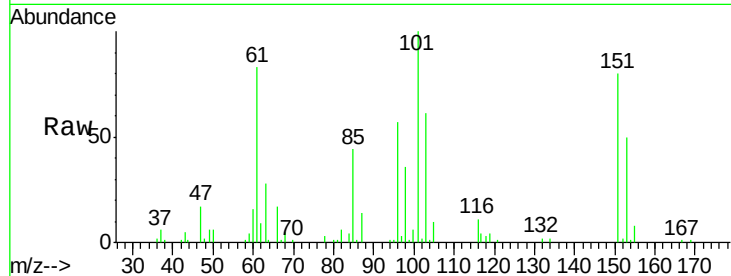
ClientSampleId :

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Tot Ion:	101	Resp:	84568
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.1	52.7
151	81.1	65.8	98.6

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#10

Methyl Iodide

Concen: 47.967 ug/l

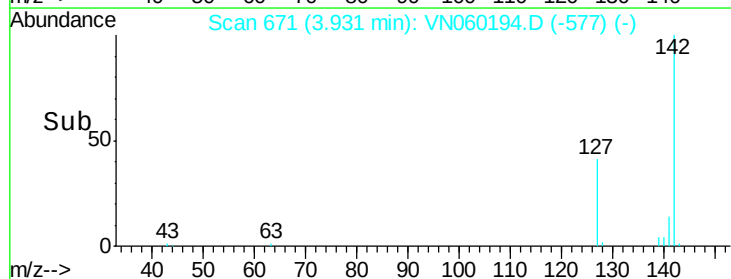
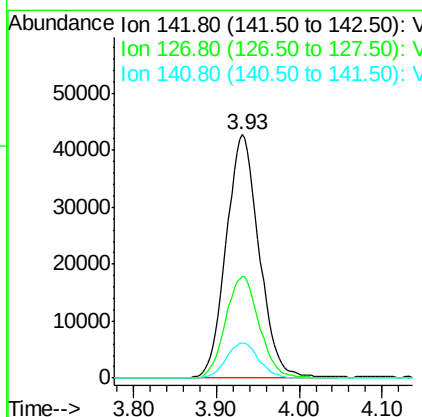
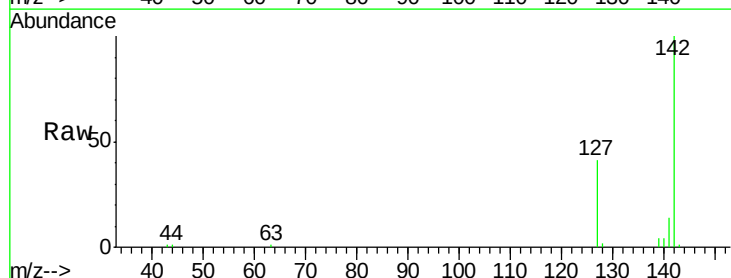
RT: 3.93 min Scan# 671

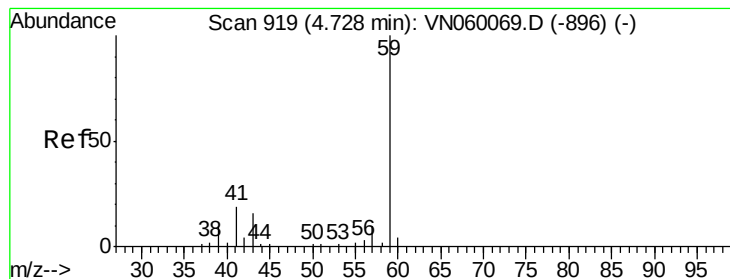
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	142	Resp:	118444
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.6	50.4
141	14.2	11.4	17.2





#11

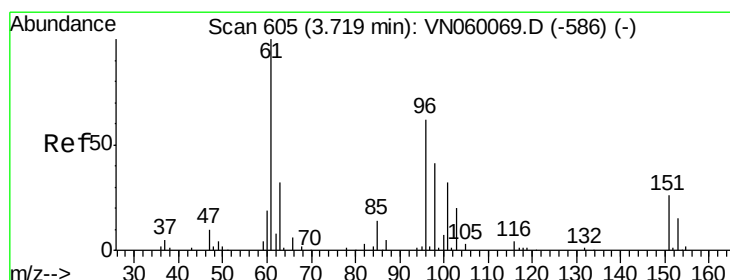
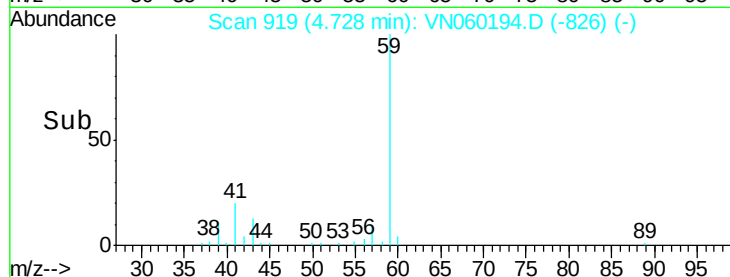
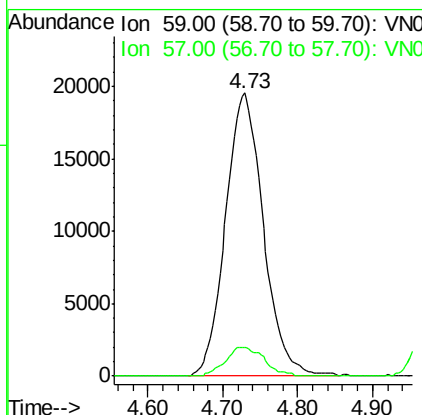
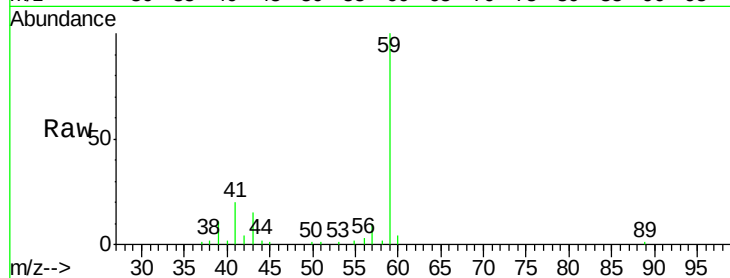
Tert butyl alcohol
 Concen: 198.796 ug/l
 RT: 4.73 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
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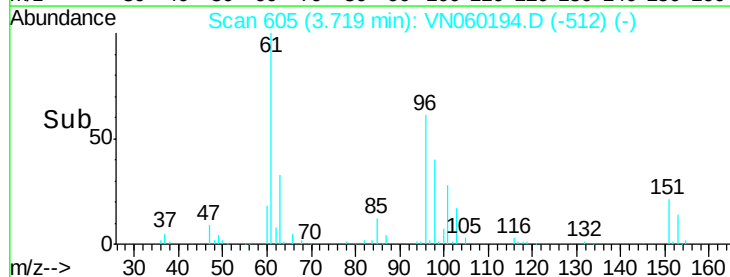
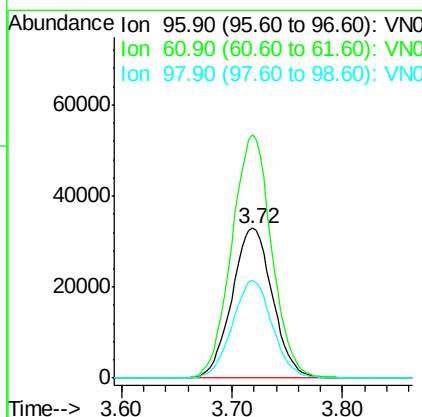
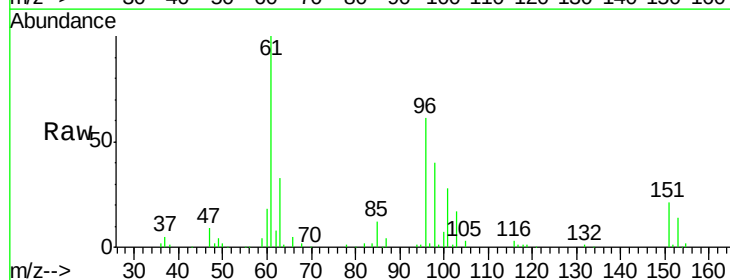
MMDadoda
 2/24/2020 11:38:37 AM

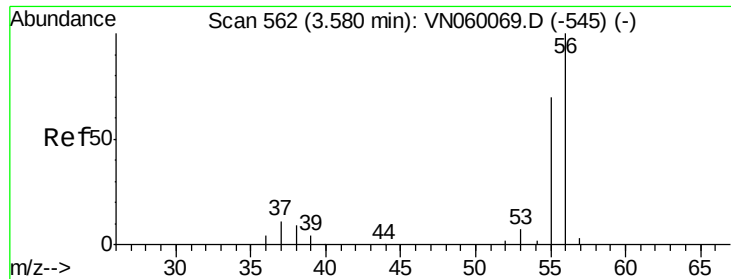


#12

1,1-Dichloroethene
 Concen: 46.731 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.8	128.3	192.5
98	65.6	52.2	78.4





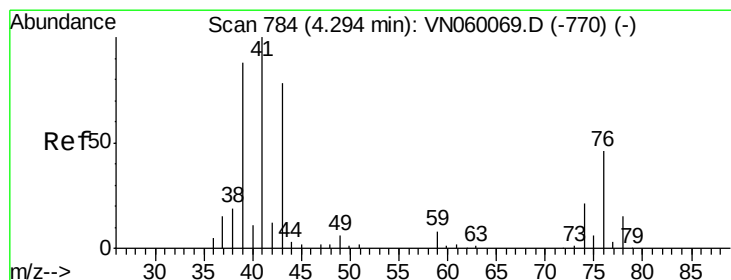
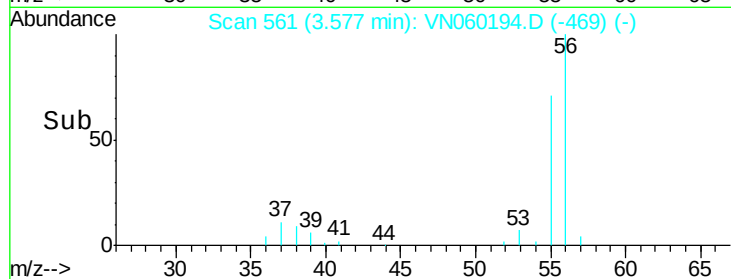
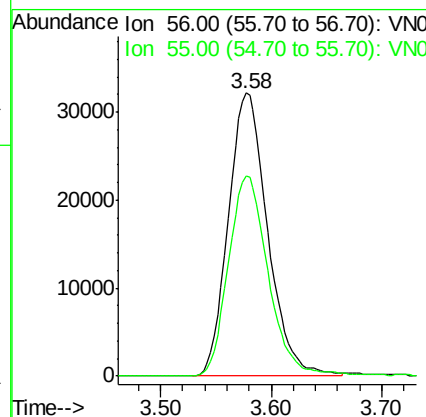
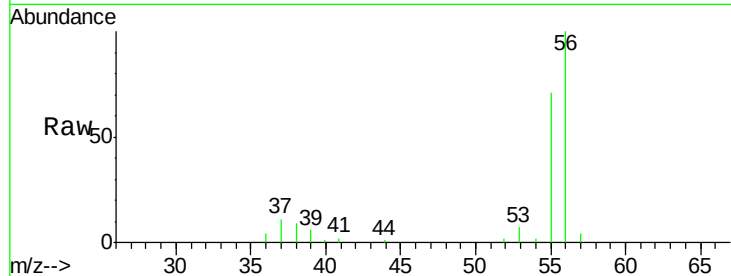
#13
Acrolein
Concen: 232.865 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 79525
Ion Ratio Lower Upper
56 100
55 71.7 54.8 82.2

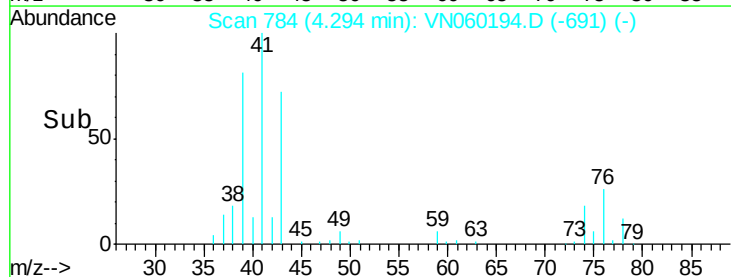
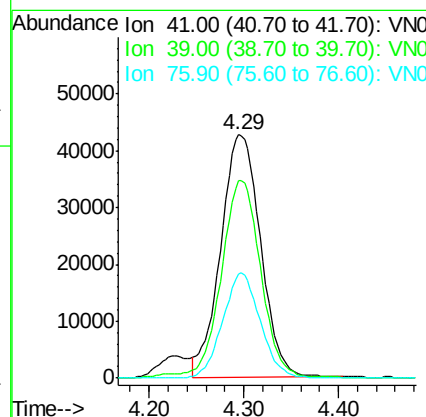
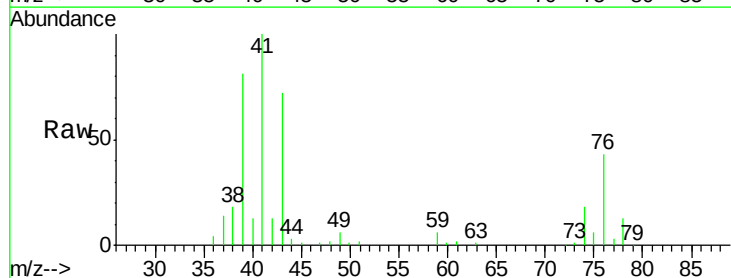
Manual Integrations
APPROVED

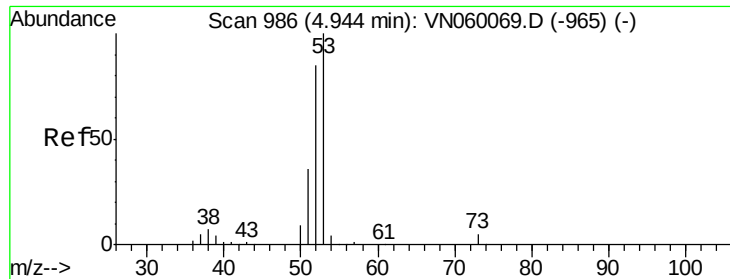
MMDadoda
2/24/2020 11:38:37 AM



#14
Allyl chloride
Concen: 47.491 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion: 41 Resp: 125393
Ion Ratio Lower Upper
41 100
39 81.5 67.8 101.8
76 40.6 33.9 50.9





#15

Acrylonitrile

Concen: 241.476 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

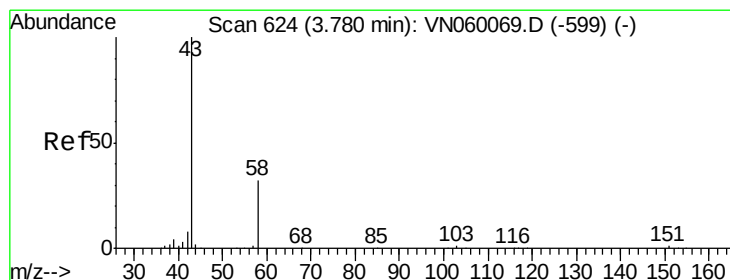
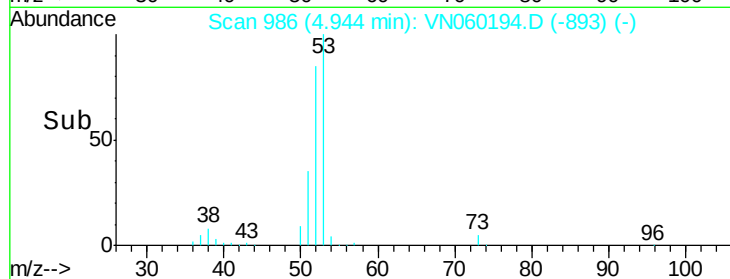
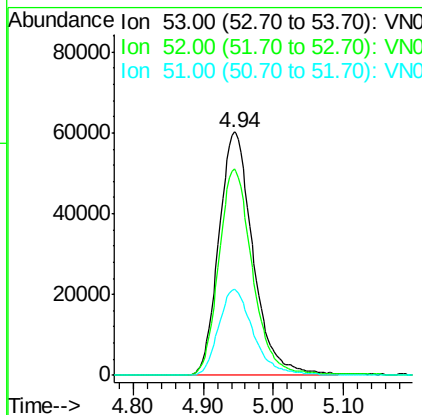
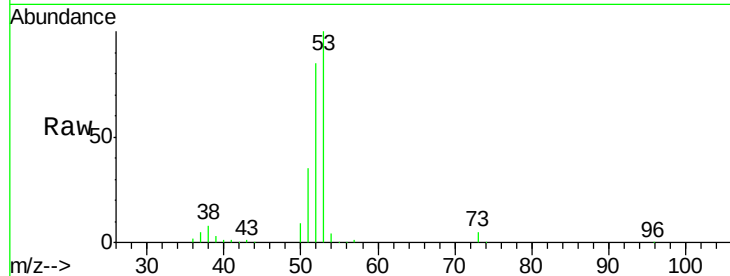
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	203747
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.8	100.2
51	36.0	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 177.781 ug/l

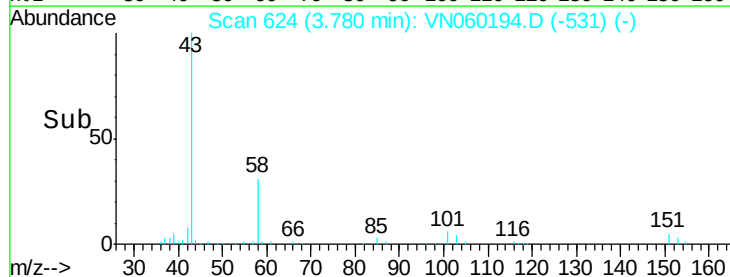
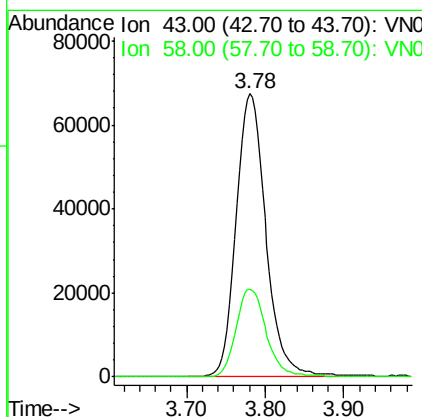
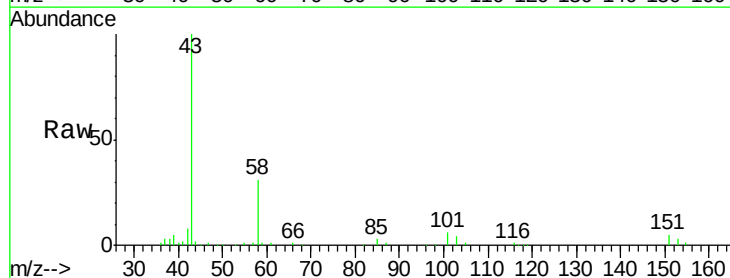
RT: 3.78 min Scan# 624

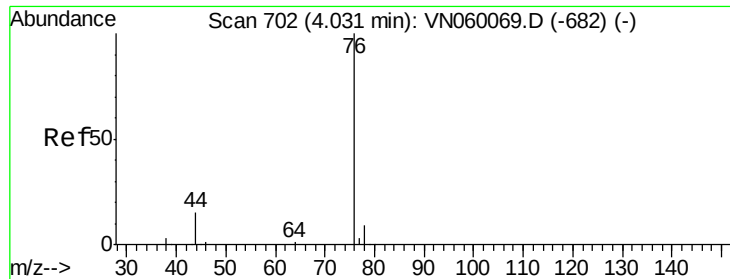
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	43	Resp:	179041
Ion Ratio		Lower	Upper
43	100		
58	31.1	25.2	37.8





#17

Carbon Disulfide

Concen: 42.540 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 230018

Ion Ratio Lower Upper

76 100

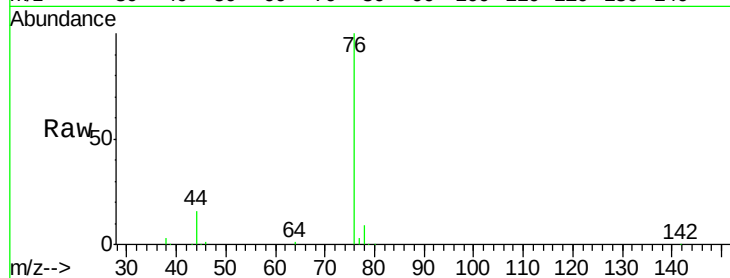
78 8.9 7.0 10.6

Manual Integrations

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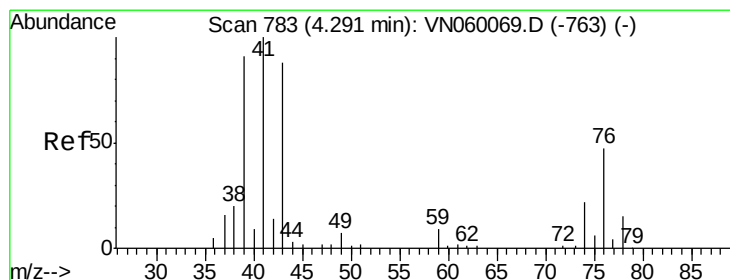
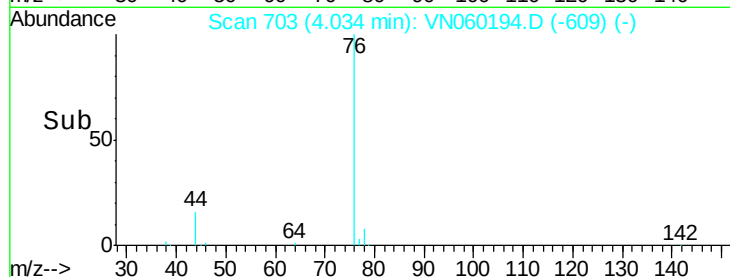
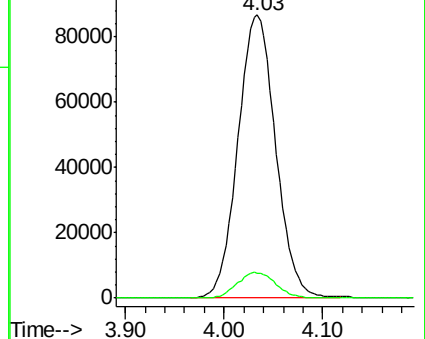
MMDadoda

2/24/2020 11:38:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VN060194.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060194.D (-682) (-)



#18

Methyl Acetate

Concen: 49.190 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060194.D

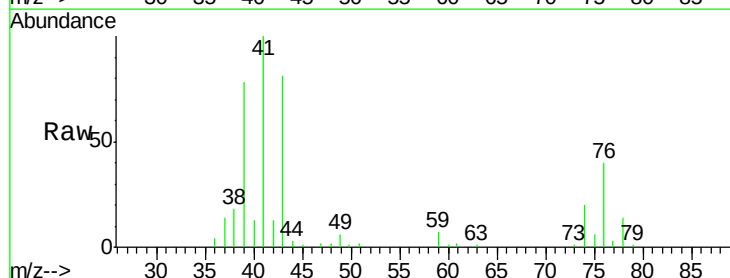
Acq: 21 Feb 2020 17:43

Tgt Ion: 43 Resp: 93059

Ion Ratio Lower Upper

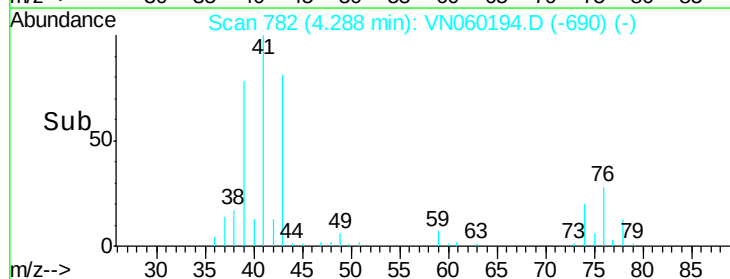
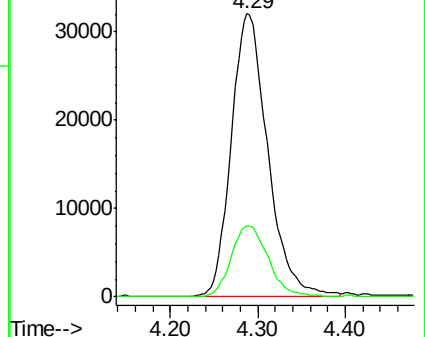
43 100

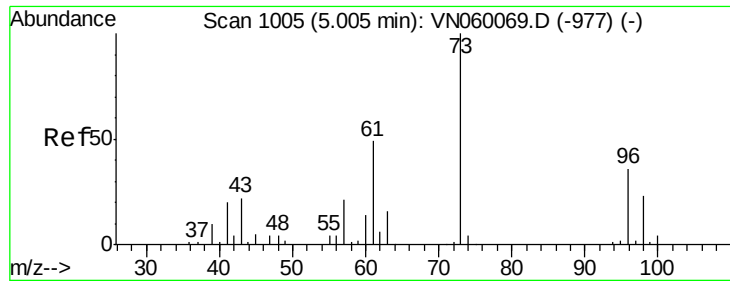
74 25.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN060194.D (-690) (-)

Ion 74.00 (73.70 to 74.70): VN060194.D (-690) (-)





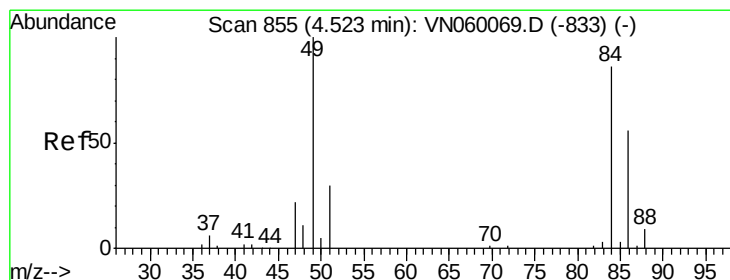
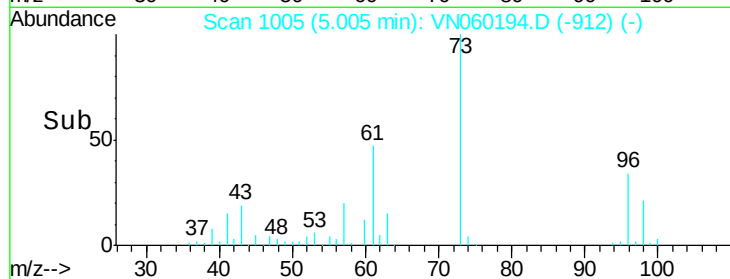
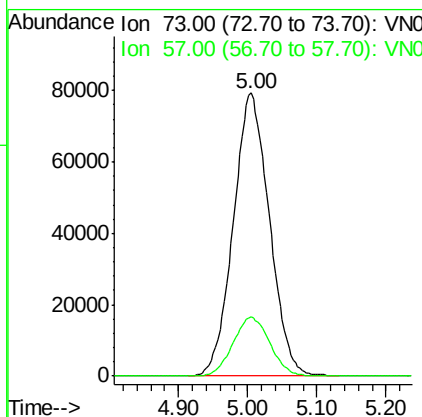
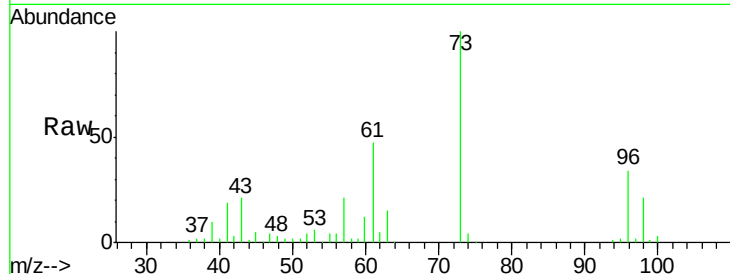
#19
Methyl tert-butyl Ether
Concen: 47.643 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 287420
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8

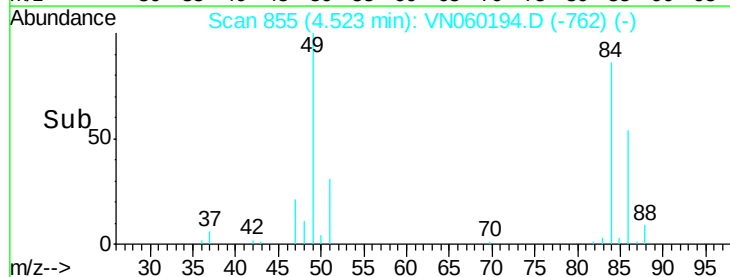
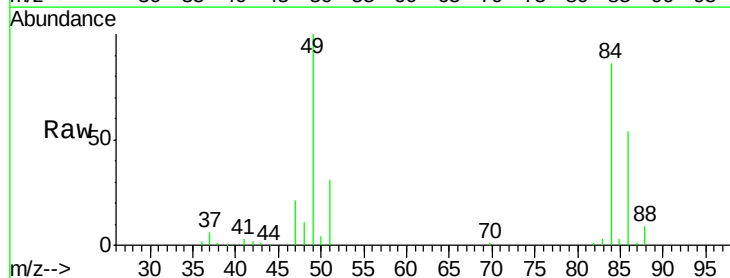
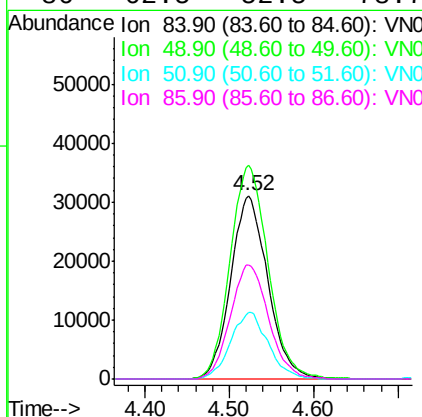
Manual Integrations
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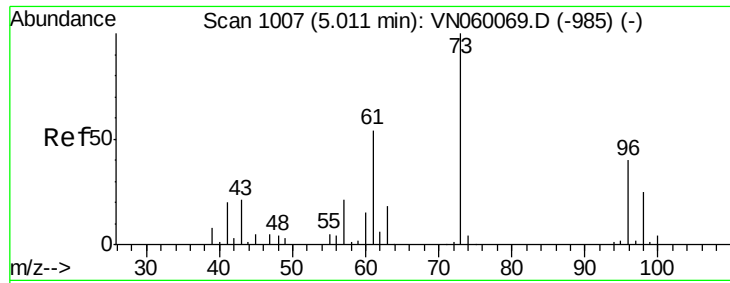
MMDadoda
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#20
Methylene Chloride
Concen: 47.309 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion: 84 Resp: 95053
Ion Ratio Lower Upper
84 100
49 116.6 93.4 140.0
51 36.4 28.4 42.6
86 62.5 52.5 78.7





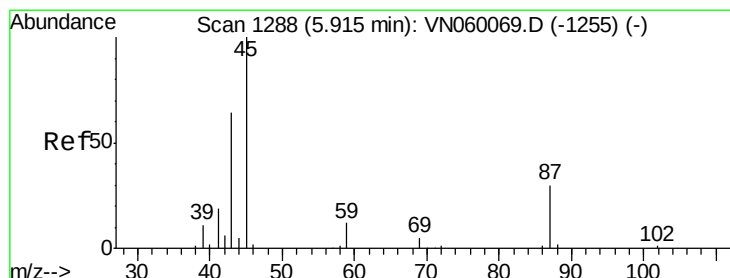
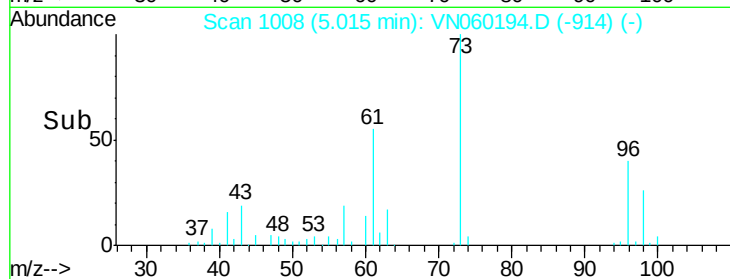
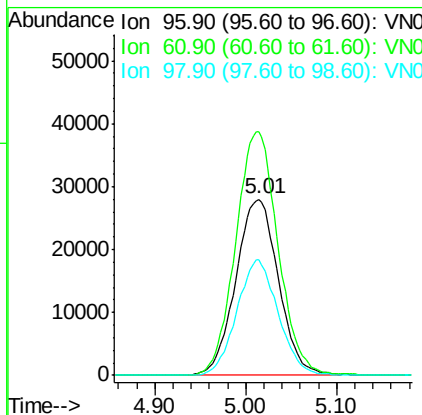
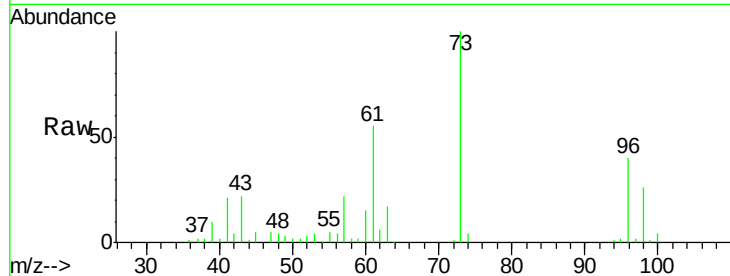
#21
trans-1,2-Dichloroethene
Concen: 46.587 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	109.3	163.9
98	65.3	51.0	76.6

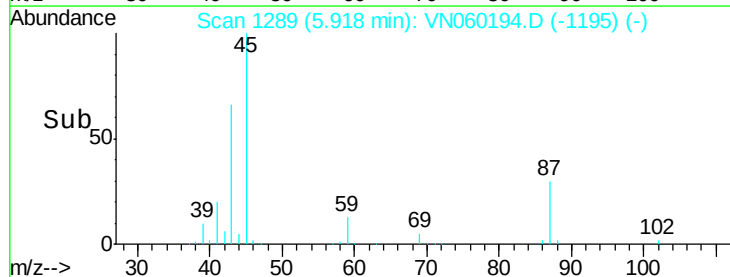
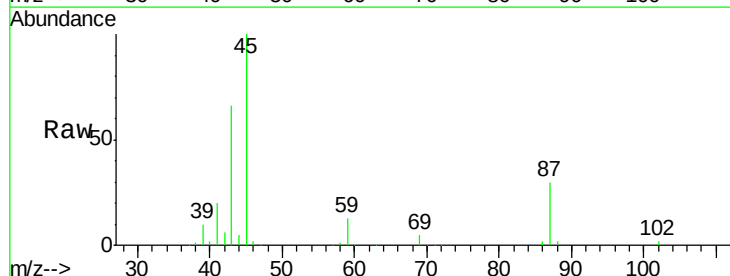
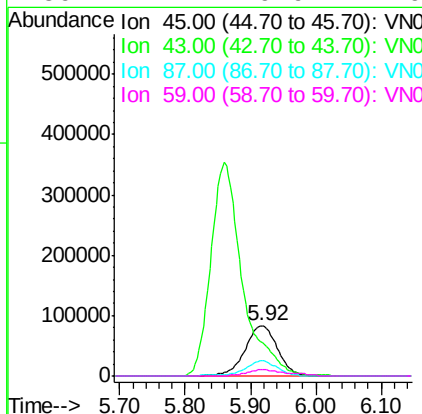
Manual Integrations
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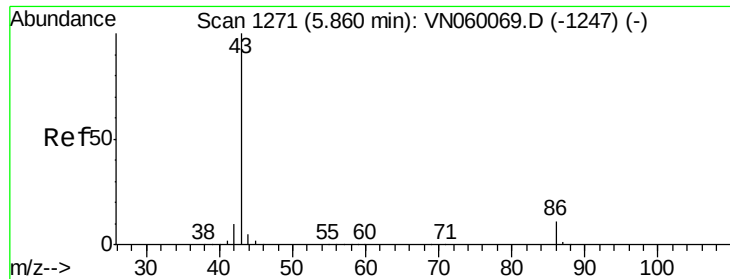
MMDadoda
2/24/2020 11:38:37 AM



#22
Diisopropyl ether
Concen: 49.831 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.8	55.9	83.9
87	29.8	24.5	36.7
59	12.4	9.9	14.9





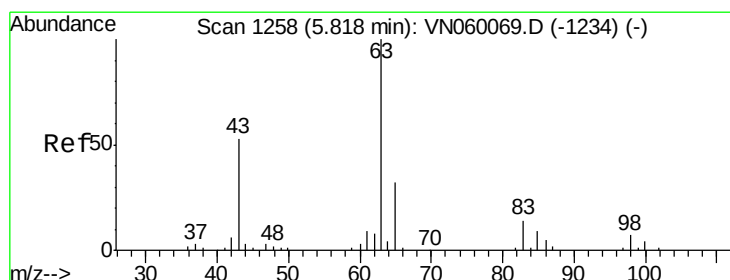
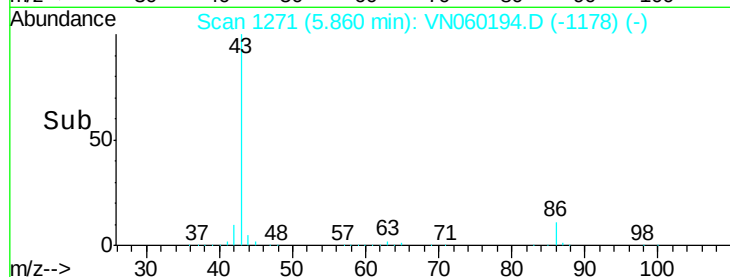
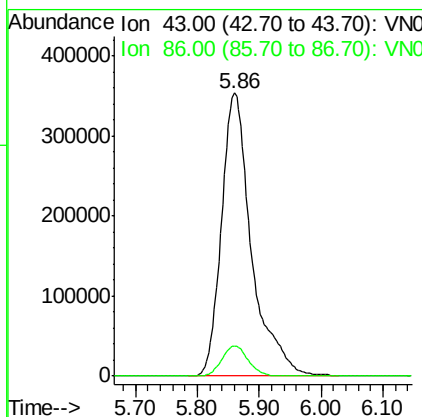
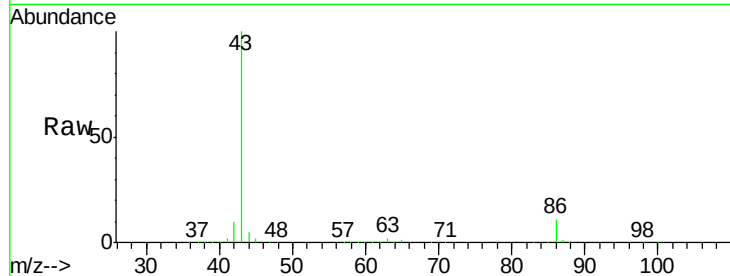
#23
 Vinyl Acetate
 Concen: 245.912 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1194988
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.9 13.3

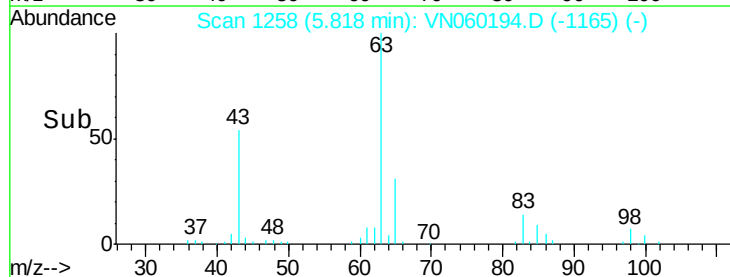
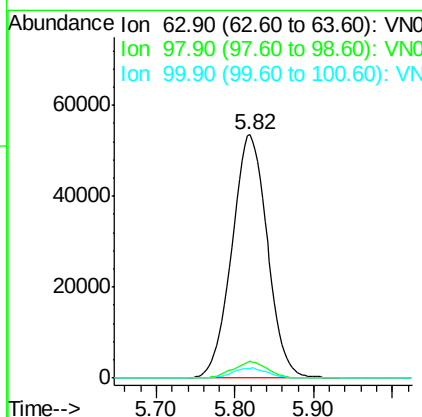
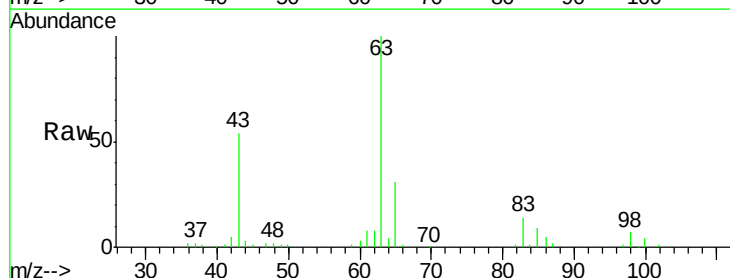
Manual Integrations
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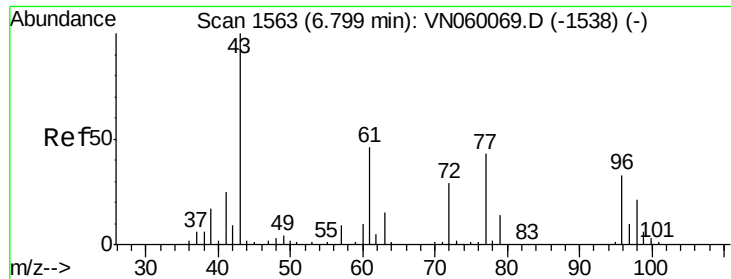
MMDadoda
 2/24/2020 11:38:37 AM



#24
 1,1-Dichloroethane
 Concen: 48.102 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion: 63 Resp: 168620
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.5
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 212.887 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 269641

Ion Ratio Lower Upper

43 100

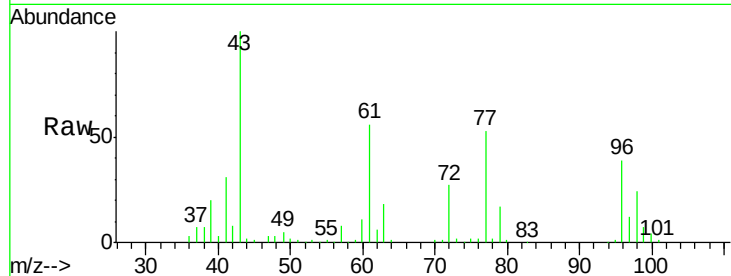
72 27.3 23.3 34.9

Manual Integrations

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MMDadoda

2/24/2020 11:38:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VN060194.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN060194.D (-1470) (-)

6.80

100000

80000

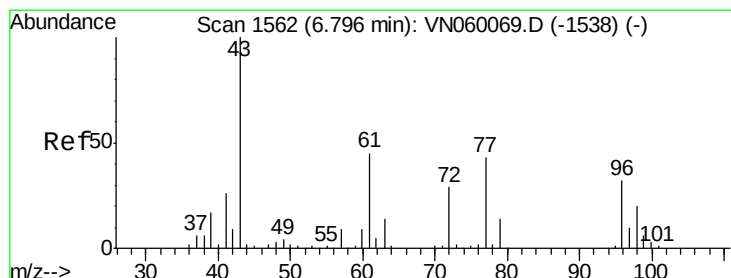
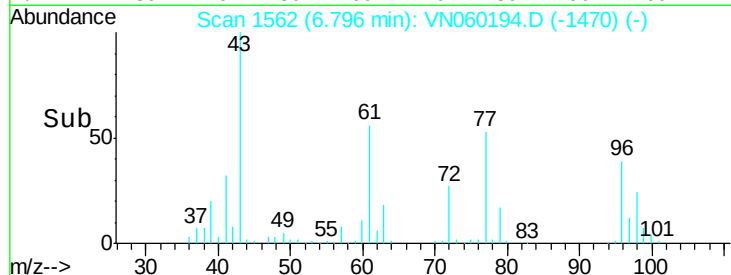
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.184 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060194.D

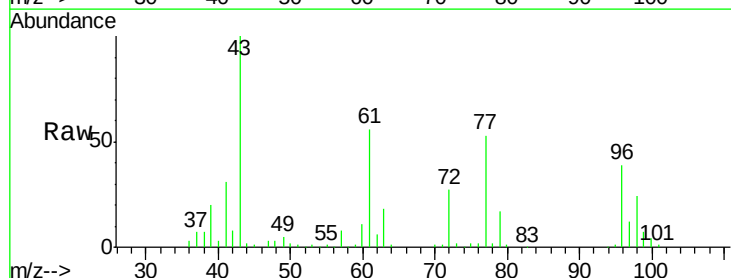
Acq: 21 Feb 2020 17:43

Tgt Ion: 77 Resp: 157101

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VN060194.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060194.D (-1469) (-)

6.80

50000

40000

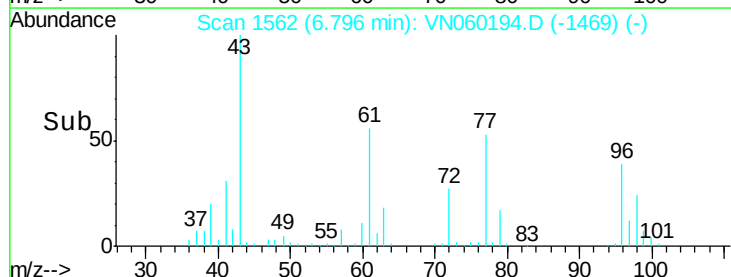
30000

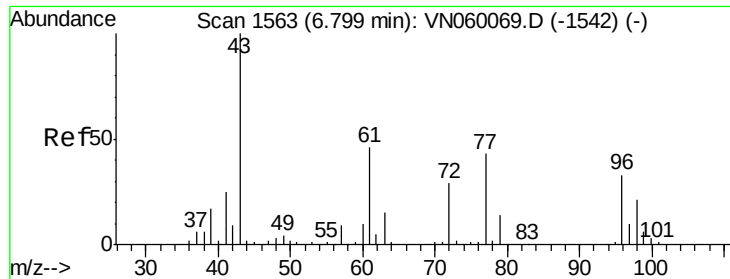
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 47.007 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

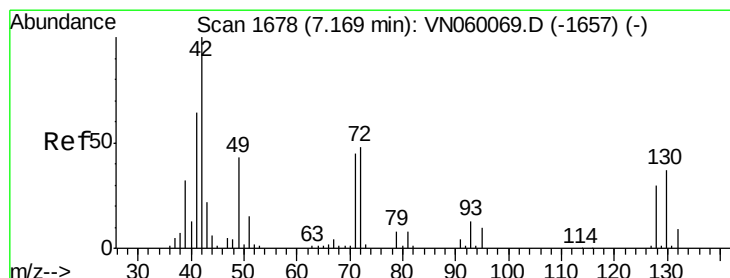
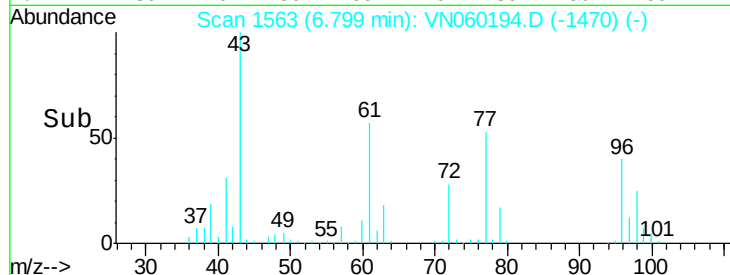
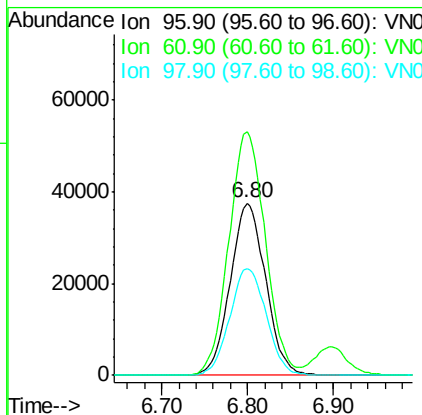
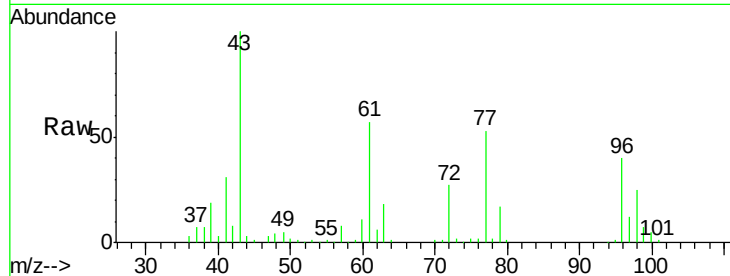
ClientSampled :

VSTDCCC050EC

Tot Ion:	96	Resp:	107578
Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	285.8
98	63.6	0.0	129.6

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#28

Bromochloromethane

Concen: 47.953 ug/l

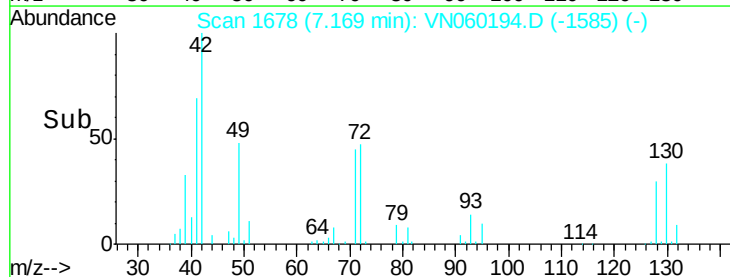
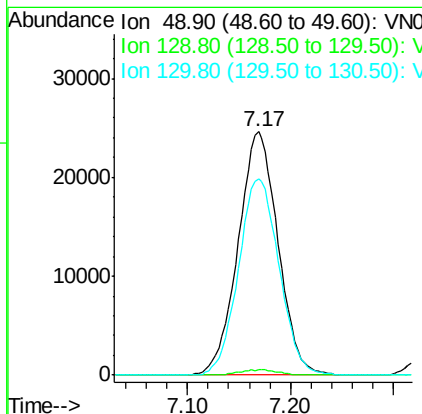
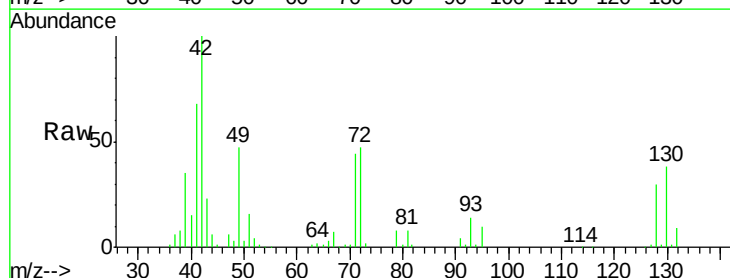
RT: 7.17 min Scan# 1678

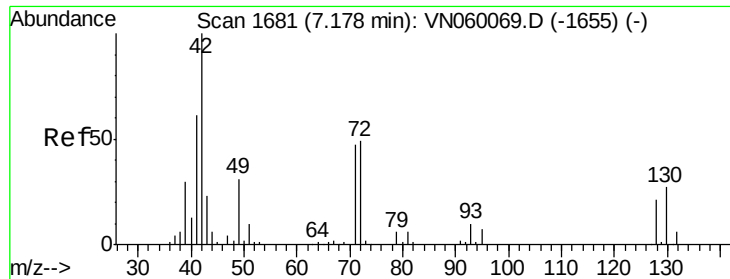
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	49	Resp:	66085
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.2
130	82.2	66.8	100.2





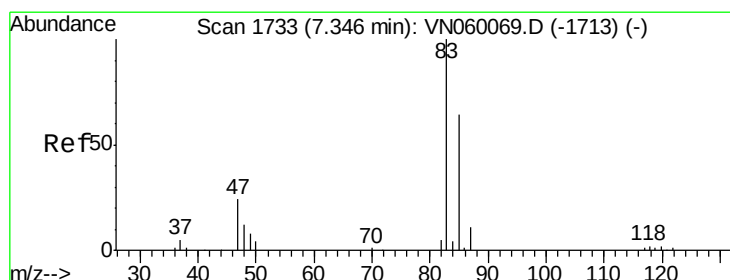
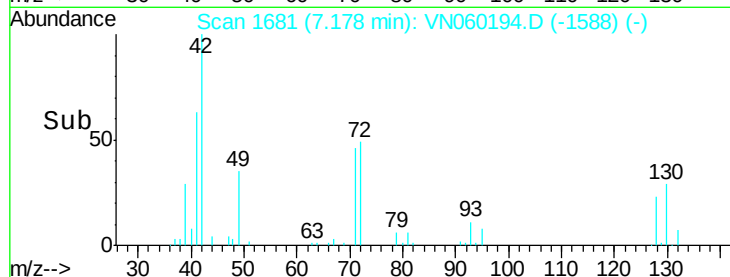
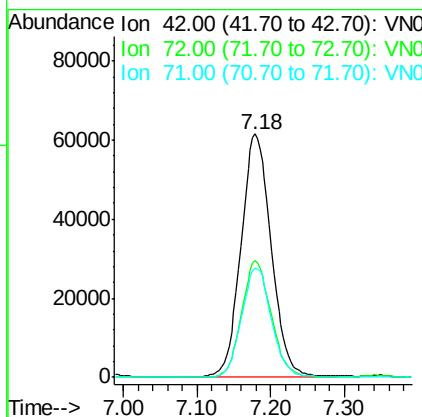
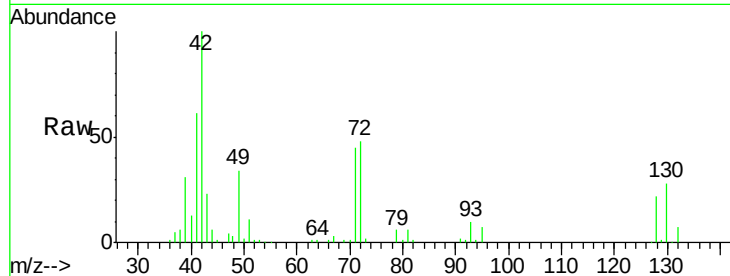
#29
Tetrahydrofuran
Concen: 227.365 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	38.2	57.4
71	44.3	36.6	54.8

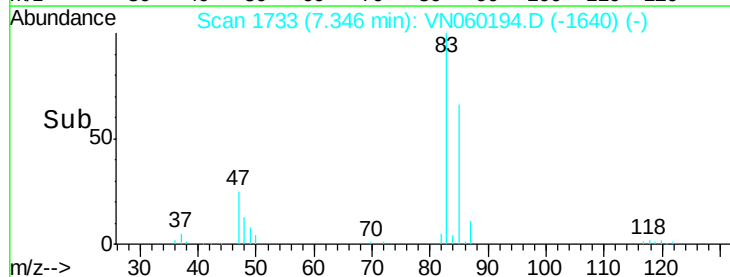
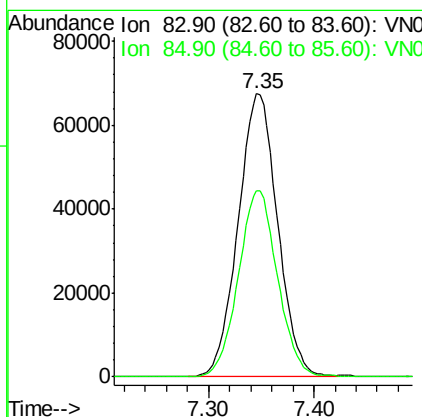
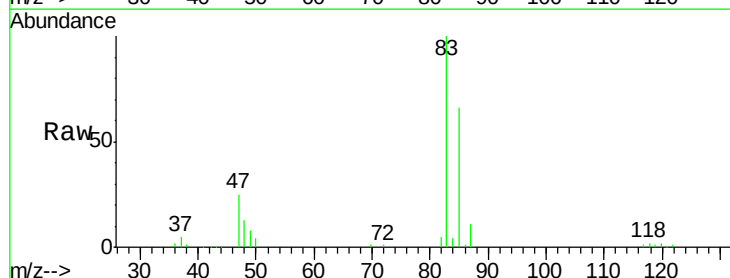
Manual Integrations
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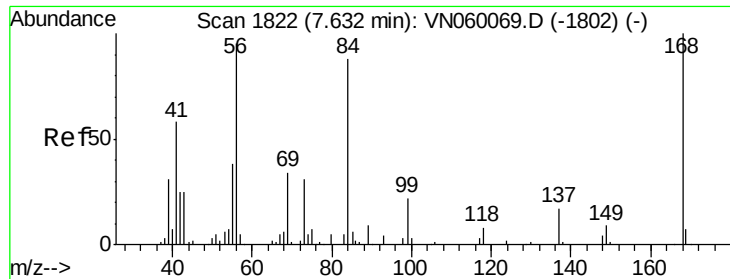
MMDadoda
2/24/2020 11:38:37 AM



#30
Chloroform
Concen: 47.953 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.4	77.0





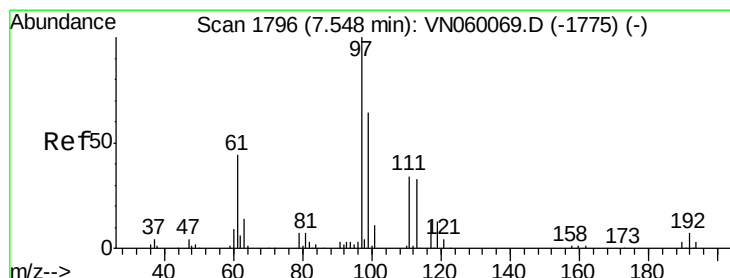
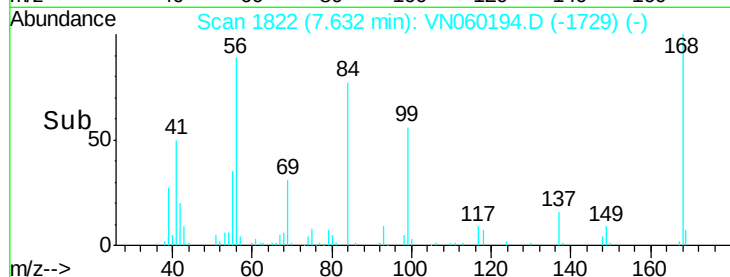
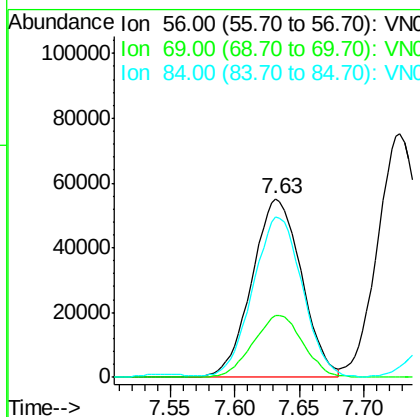
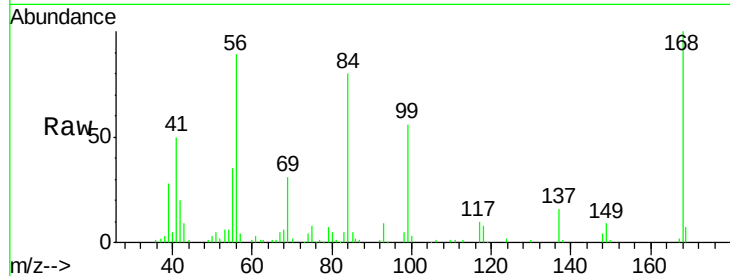
#31
Cyclohexane
Concen: 45.314 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	28.3	42.5
84	88.5	72.6	108.8

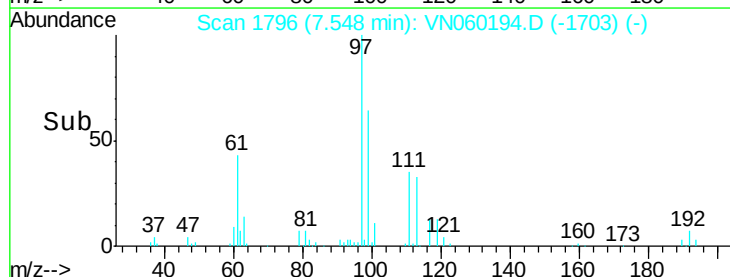
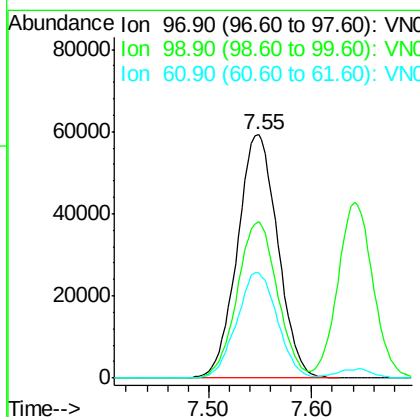
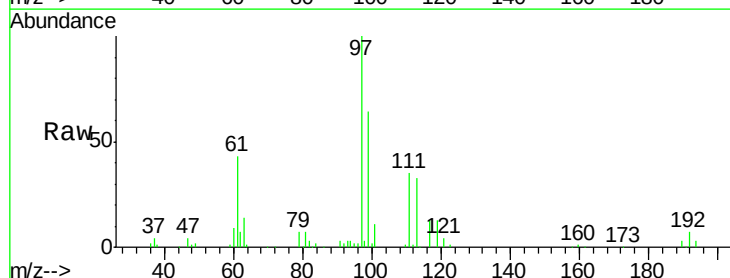
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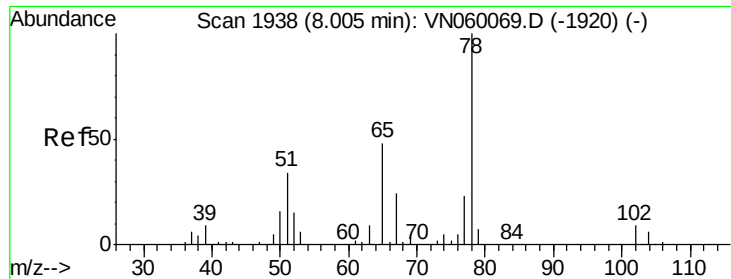
MMDadoda
2/24/2020 11:38:37 AM



#32
1,1,1-Trichloroethane
Concen: 48.085 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.0
61	43.5	34.9	52.3





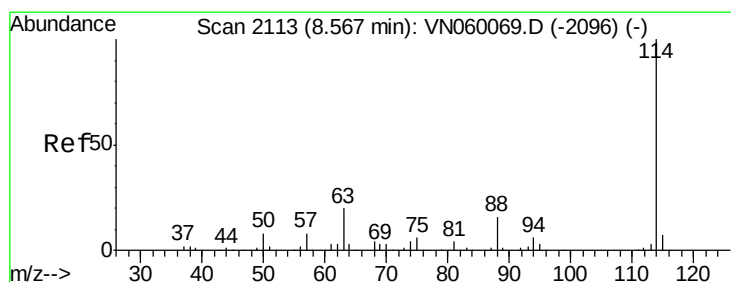
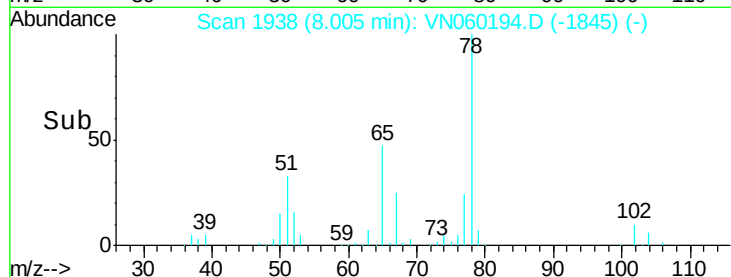
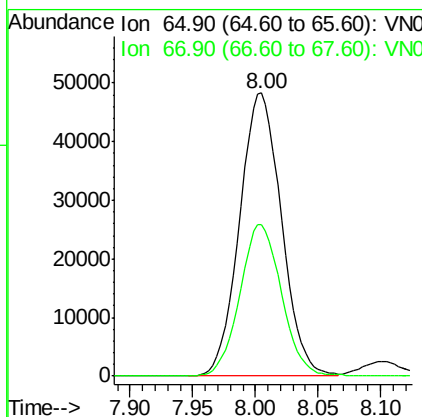
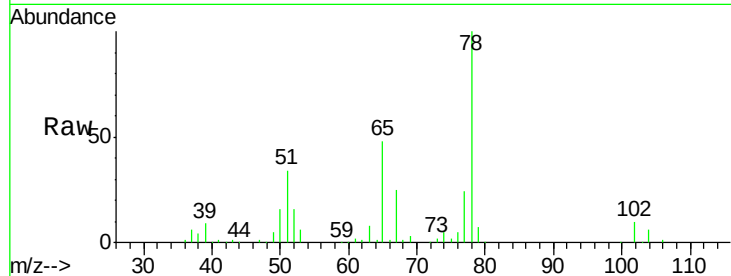
#33
 1,2-Dichloroethane-d4
 Concen: 48.620 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	112253		
67	53.1	0.0	104.0	

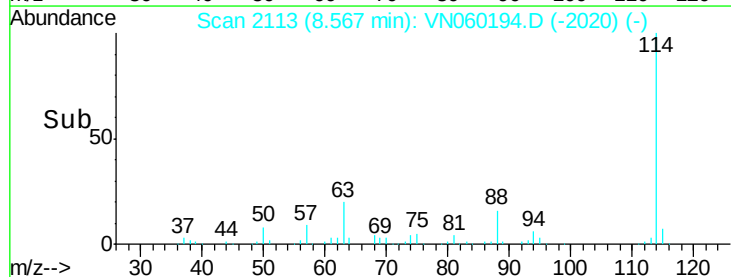
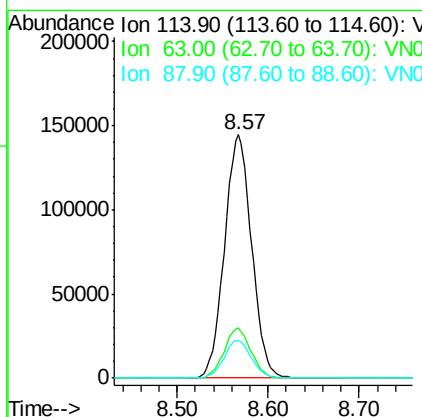
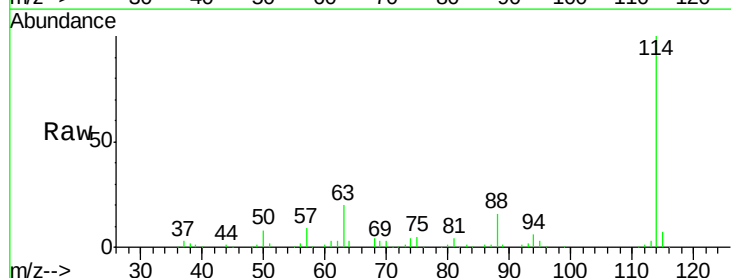
Manual Integrations
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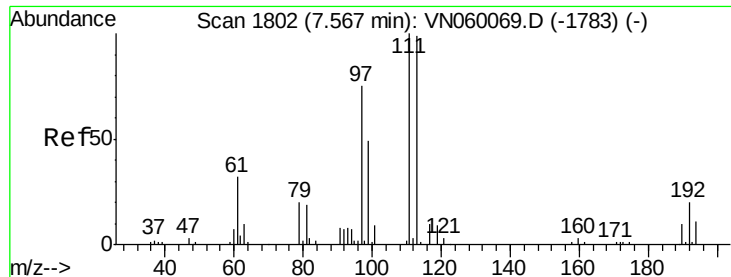
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 2/24/2020 11:38:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	299202		
63	20.4	0.0	40.0	
88	15.5	0.0	31.6	





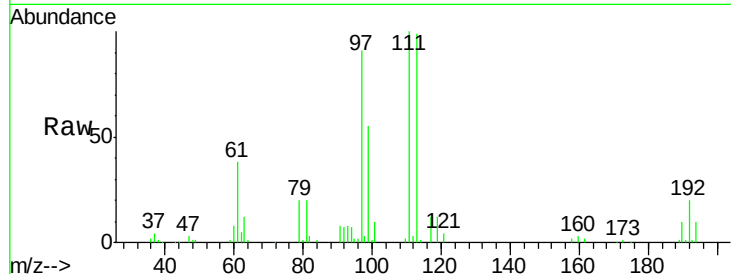
#35
 Dibromofluoromethane
 Concen: 48.702 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

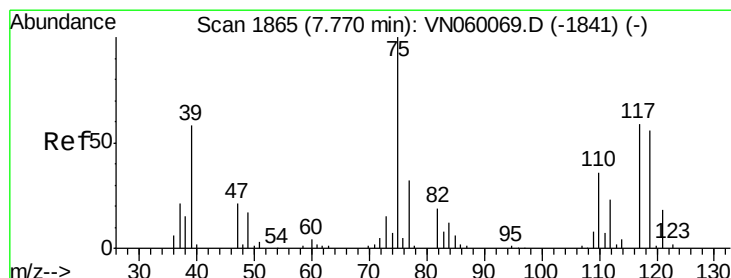
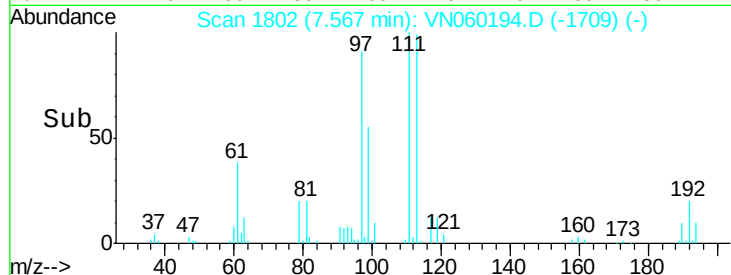
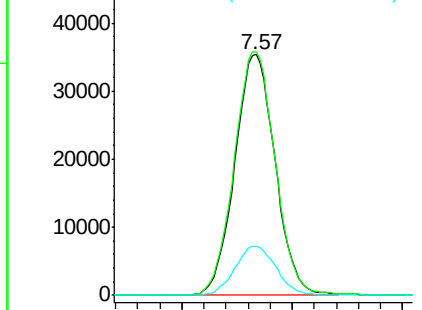
Tot Ion	Ratio	Resp	Lower	Upper
113	100	89573		
111	102.9		81.4	122.2
192	20.8		16.2	24.2

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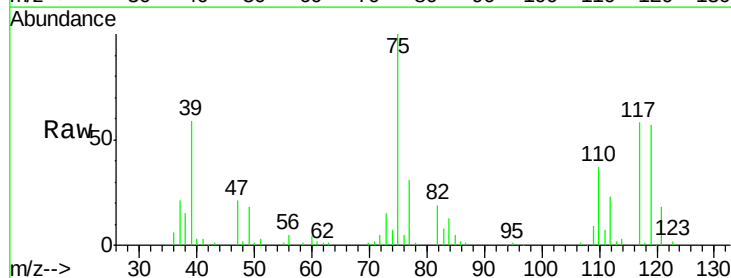


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

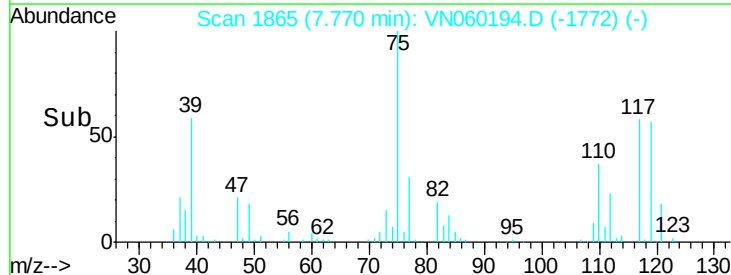
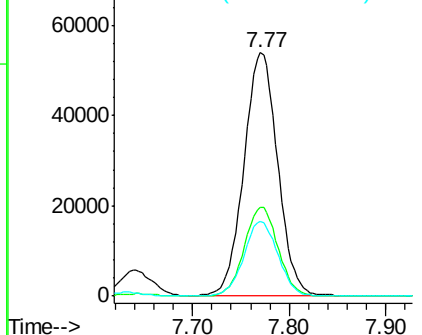


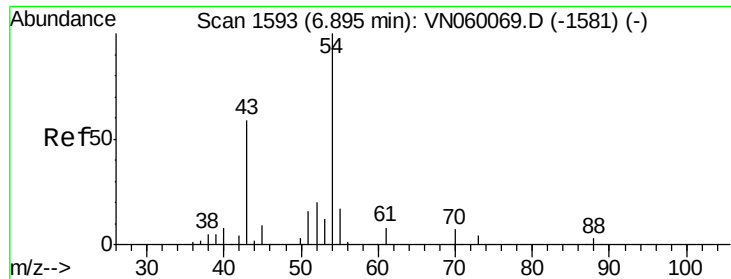
#36
 1,1-Dichloropropene
 Concen: 47.355 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	131237		
110	36.3		18.1	54.3
77	30.9		25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





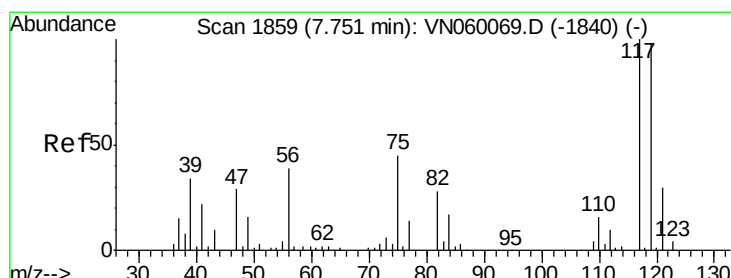
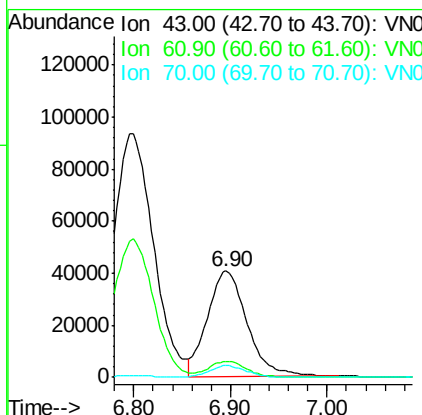
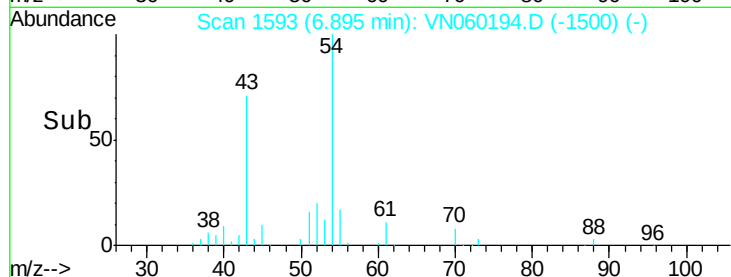
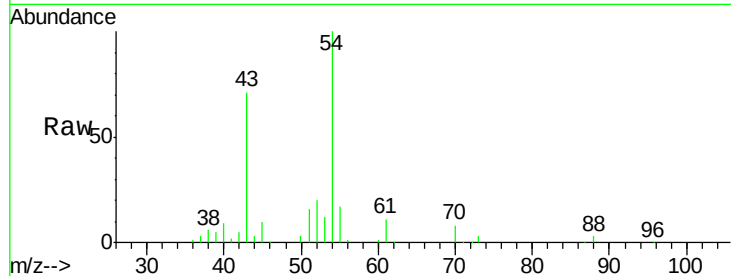
#37
Ethyl Acetate
Concen: 46.489 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	10.3	8.7	13.1

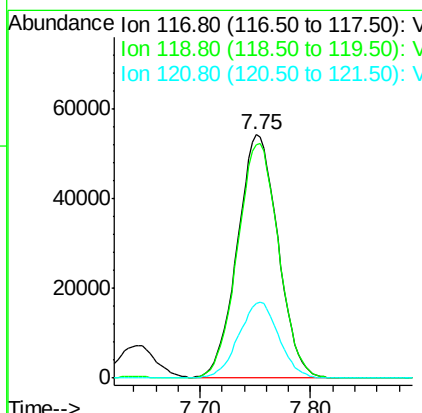
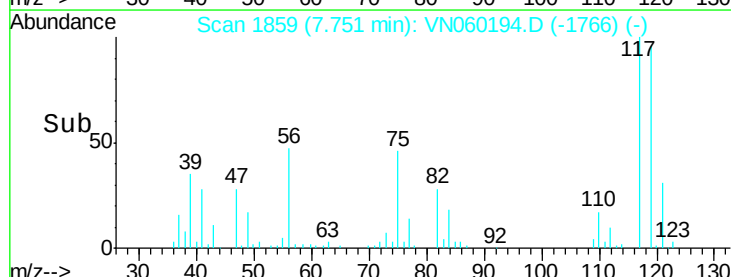
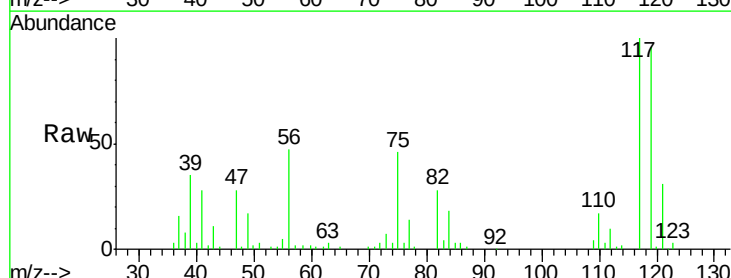
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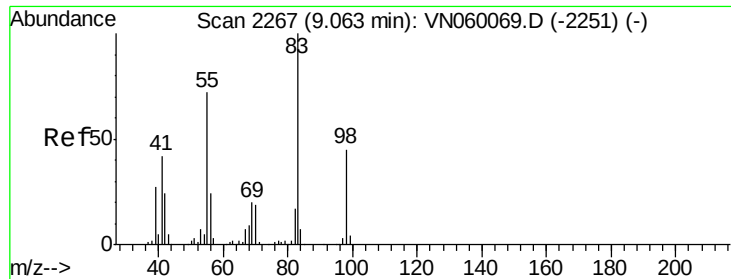
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#38
Carbon Tetrachloride
Concen: 45.962 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	78.2	117.4
121	30.8	24.2	36.2





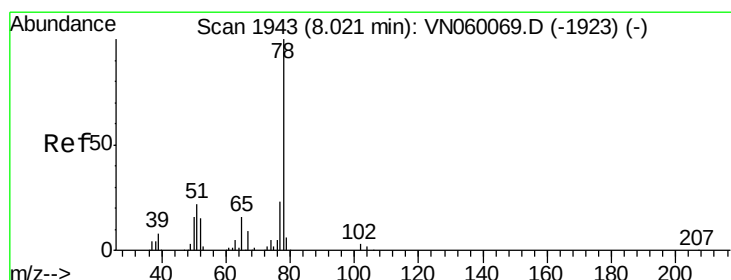
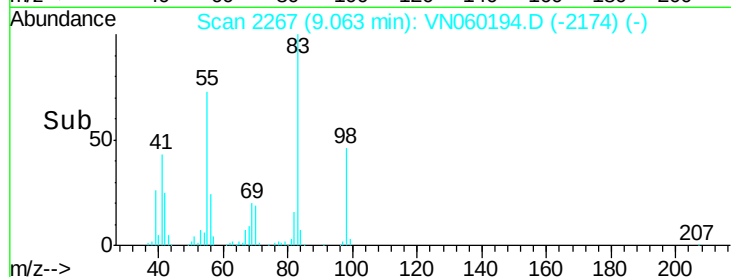
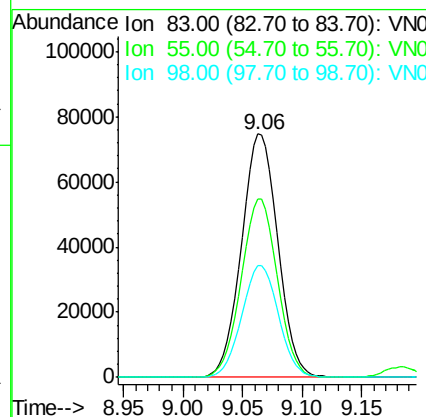
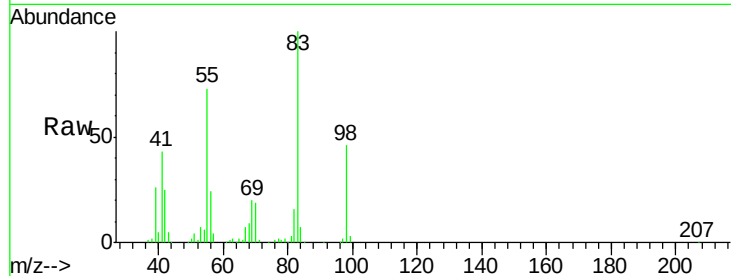
#39
Methylvlcyclohexane
Concen: 46.062 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.3	57.8	86.8
98	45.9	36.4	54.6

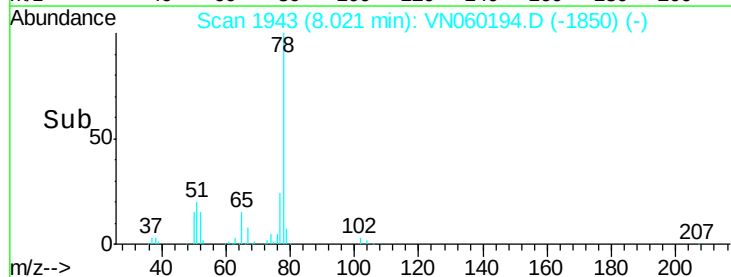
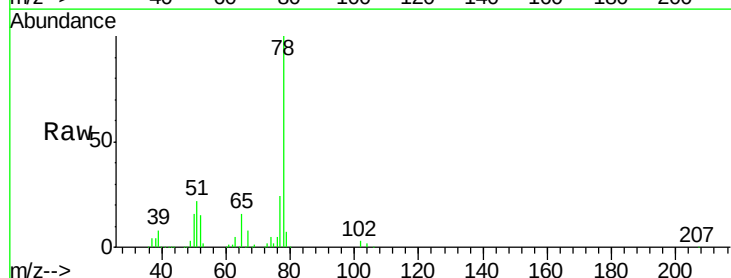
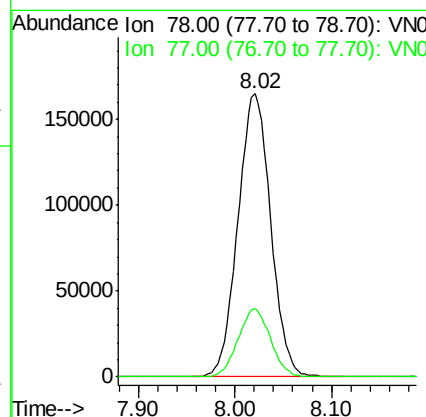
Manual Integrations
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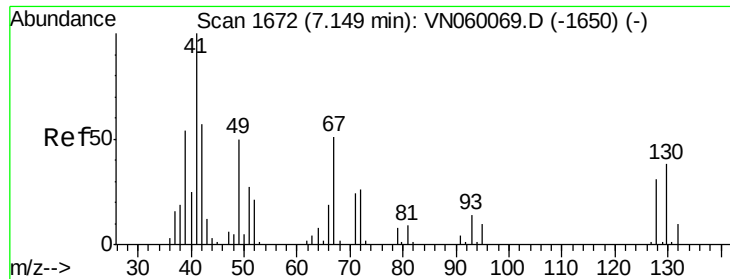
MMDadoda
2/24/2020 11:38:37 AM



#40
Benzene
Concen: 47.204 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





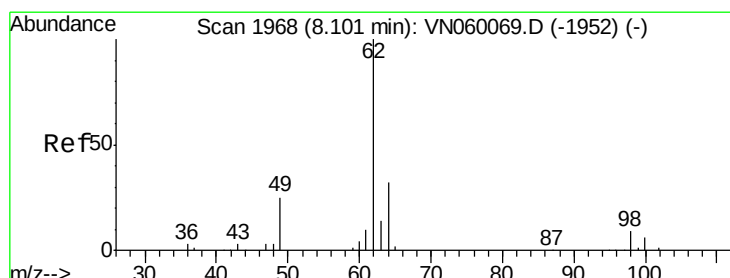
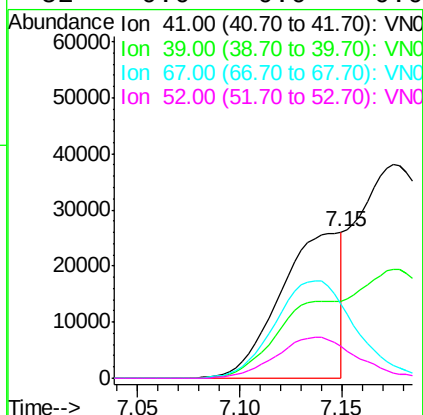
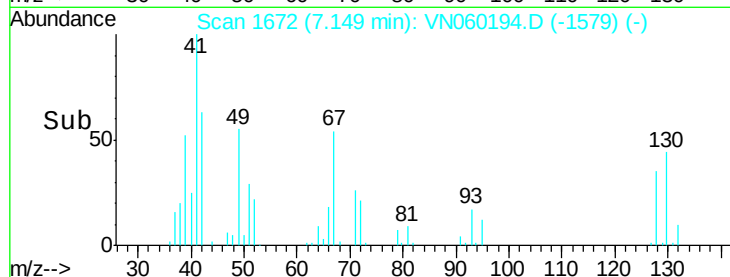
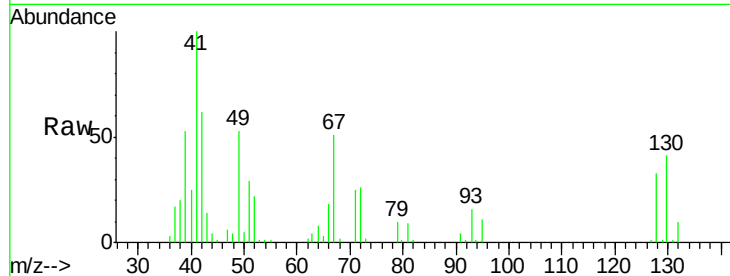
#41
Methacrylonitrile
Concen: 51.400 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

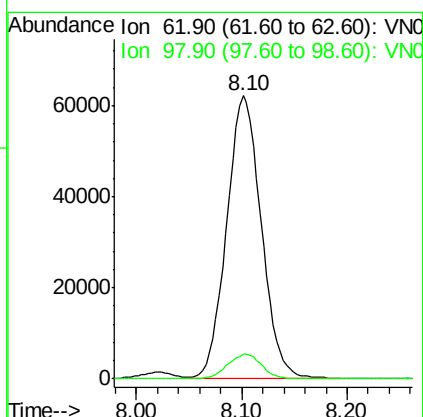
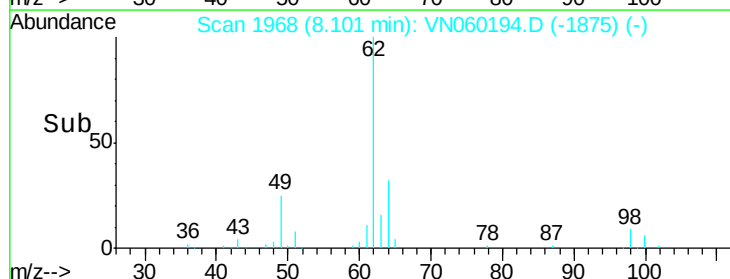
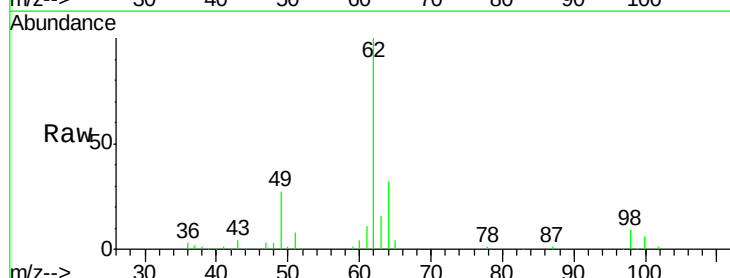
Manual Integrations
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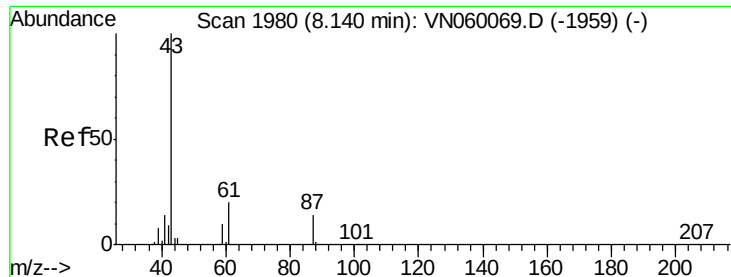
MMDadoda
2/24/2020 11:38:37 AM



#42
1,2-Dichloroethane
Concen: 49.198 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.2





#43

Isopropyl Acetate

Concen: 47.888 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

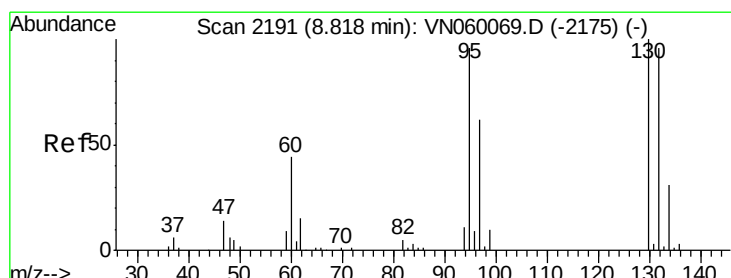
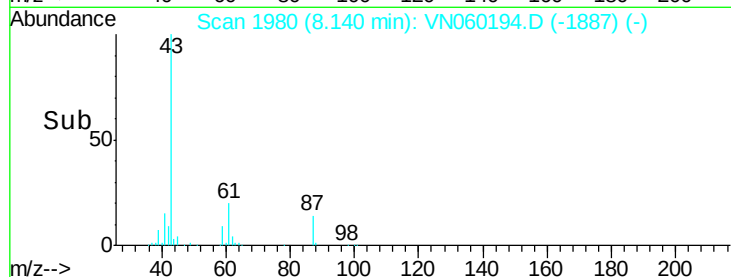
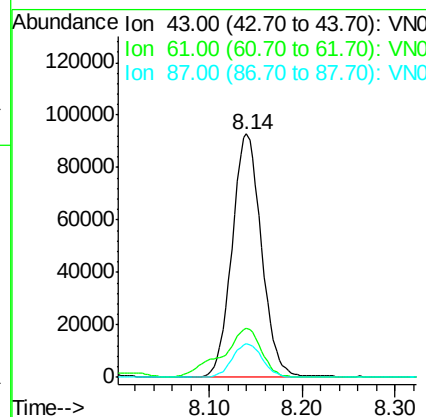
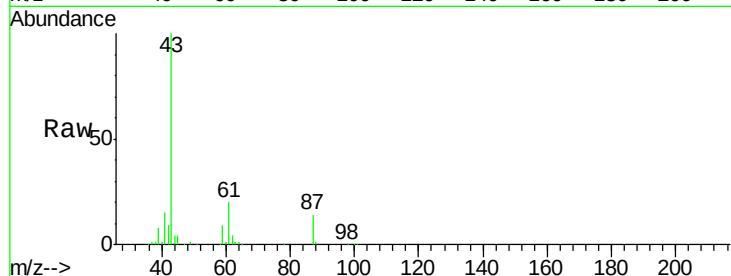
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	205033
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.8	32.6
87	14.1	11.4	17.2

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#44

Trichloroethene

Concen: 47.158 ug/l

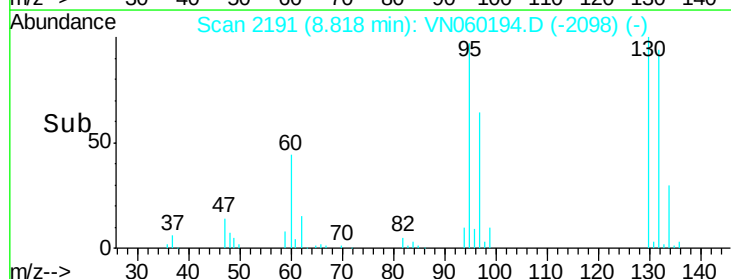
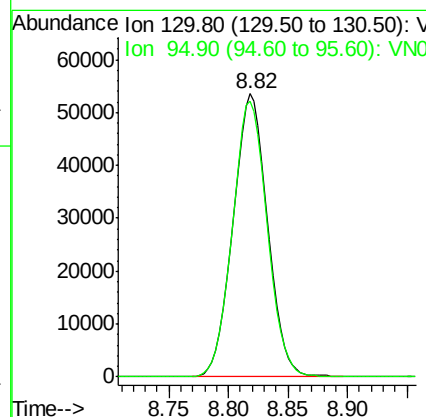
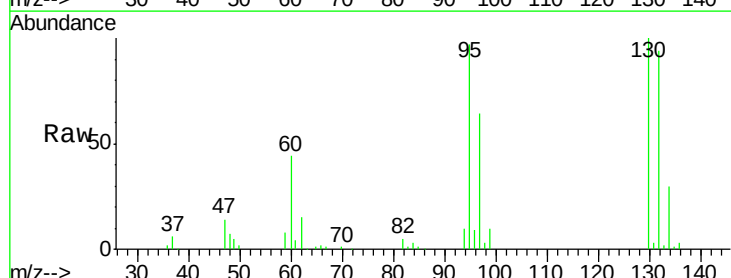
RT: 8.82 min Scan# 2191

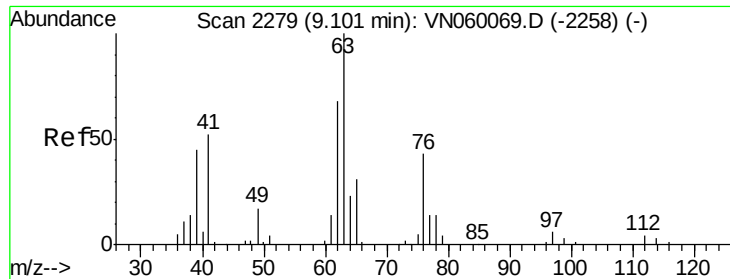
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	130	Resp:	107346
Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	192.4





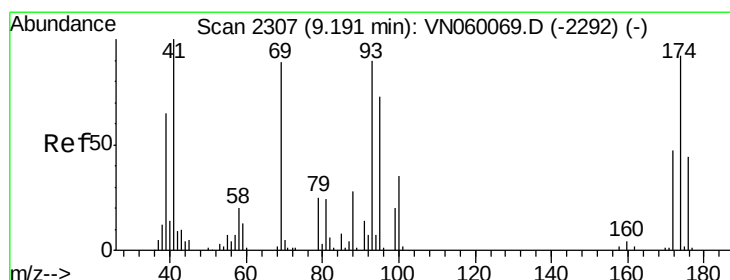
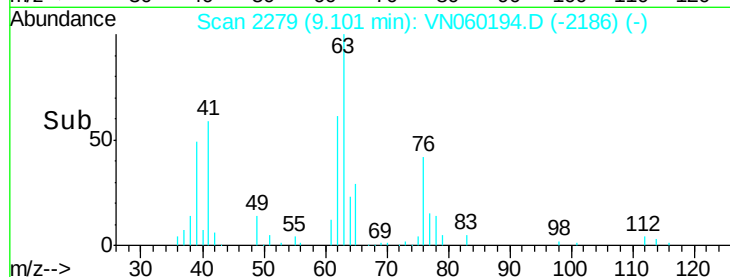
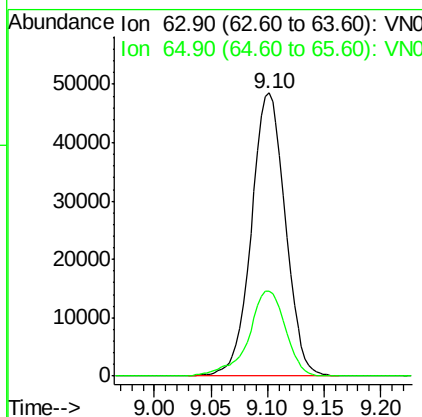
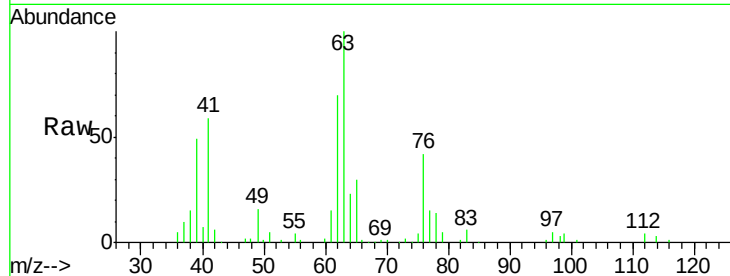
#45
 1,2-Dichloropropane
 Concen: 49.694 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 101140
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.4

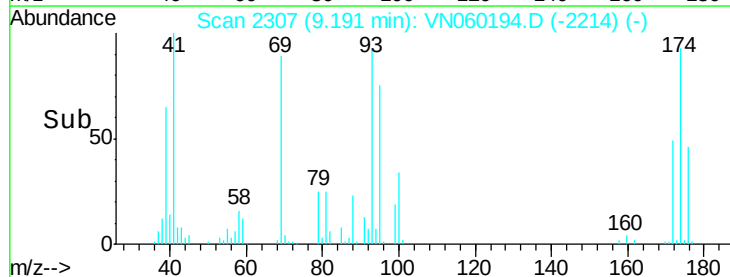
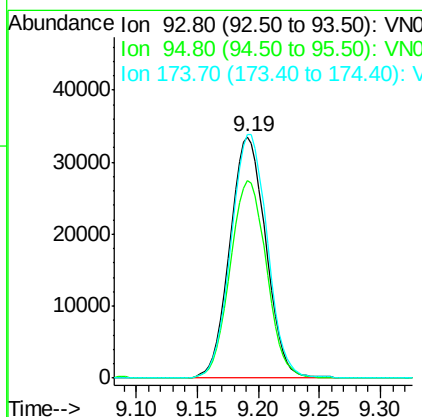
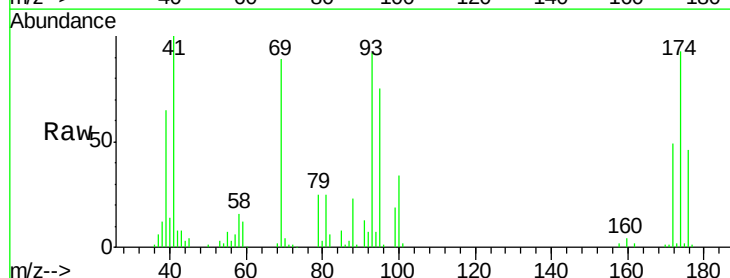
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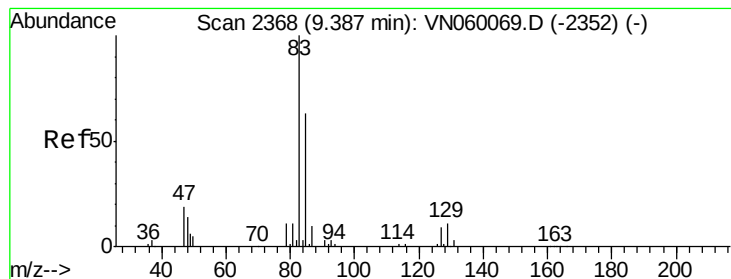
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 2/24/2020 11:38:37 AM



#46
 Dibromomethane
 Concen: 47.816 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion: 93 Resp: 68772
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.0 97.6
 174 101.4 82.3 123.5





#47

Bromodichloromethane

Concen: 48.851 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

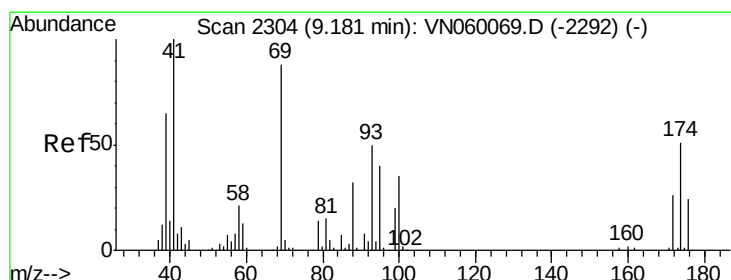
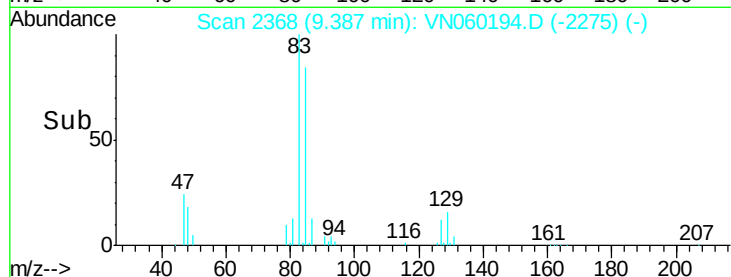
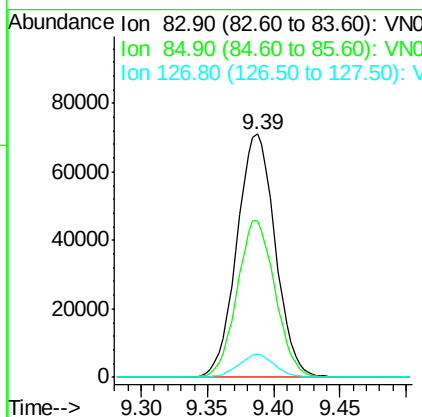
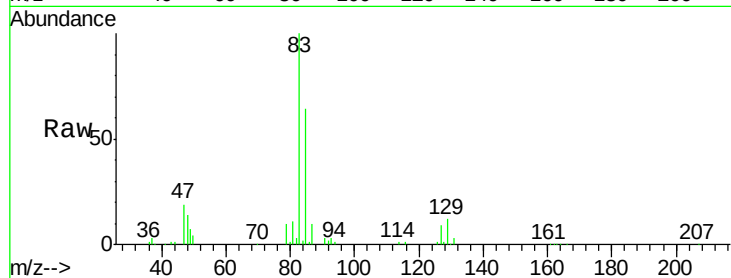
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	142844
Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.6	75.8
127	9.4	7.0	10.6

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#48

Methyl methacrylate

Concen: 46.826 ug/l

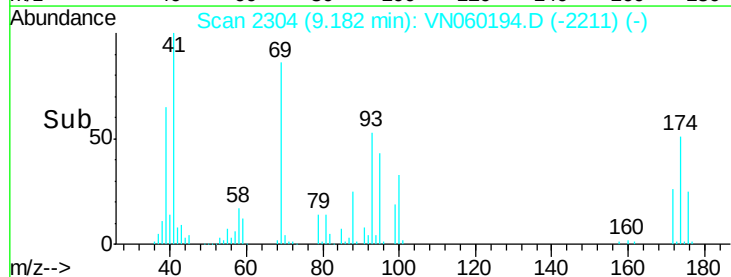
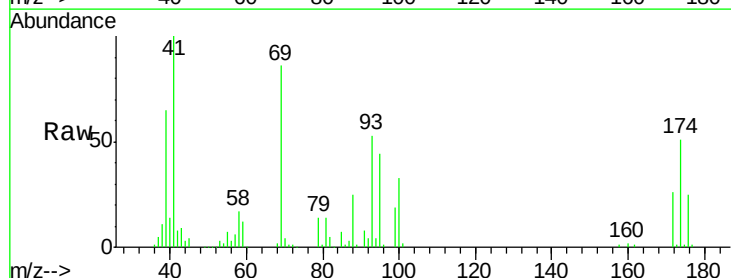
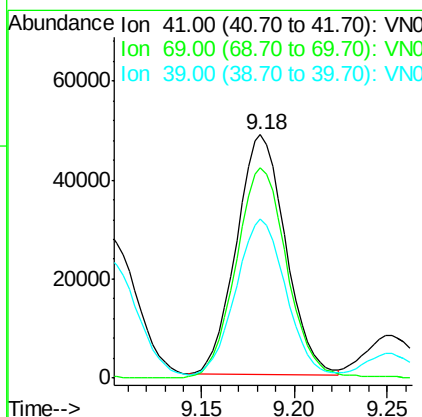
RT: 9.18 min Scan# 2304

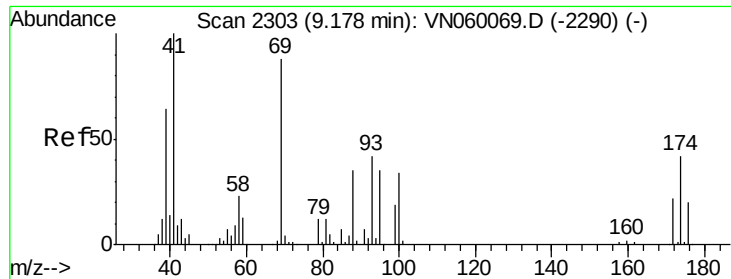
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	41	Resp:	89951
Ion	Ratio	Lower	Upper
41	100		
69	90.9	72.0	108.0
39	67.8	54.1	81.1





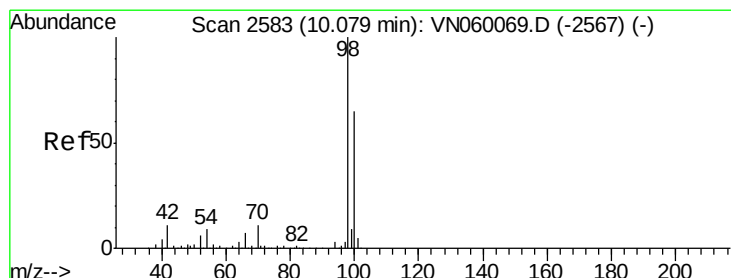
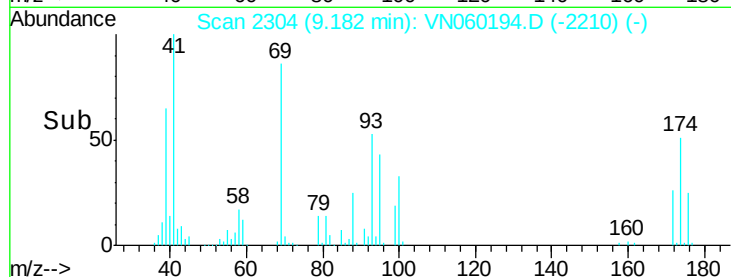
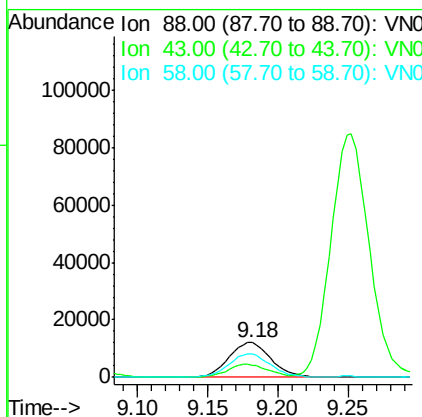
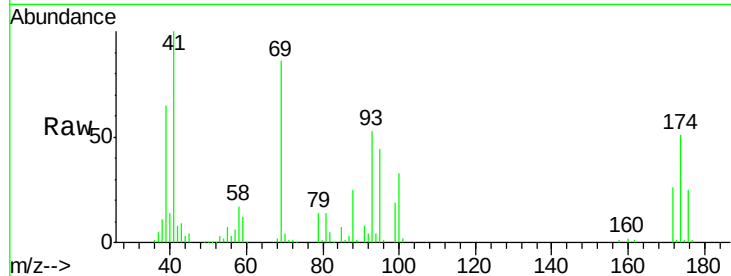
#49
1,4-Dioxane
Concen: 767.821 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25201
Ion	Ratio	Lower	Upper
88	100		
43	36.7	26.2	39.2
58	67.7	53.2	79.8

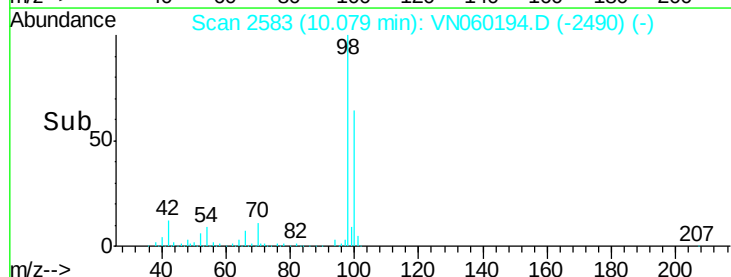
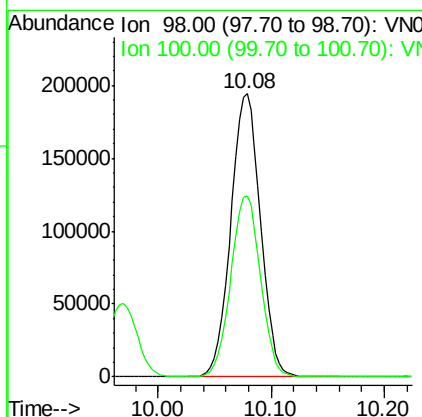
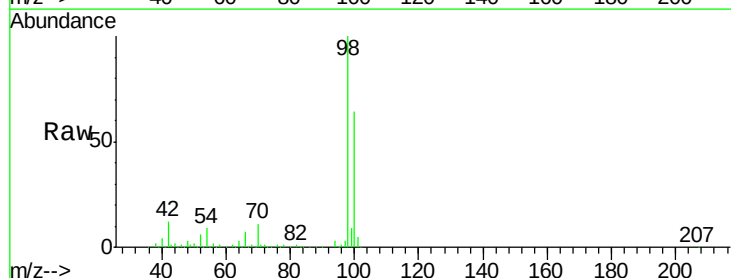
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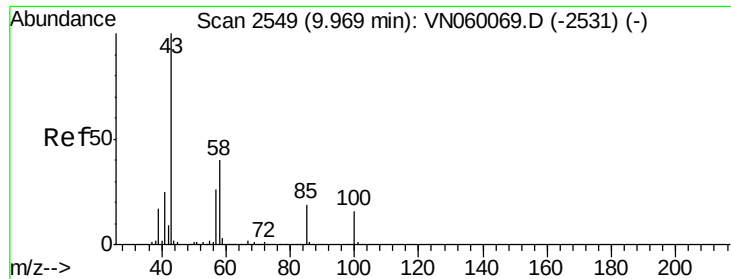
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#50
Toluene-d8
Concen: 48.949 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	98	Resp	354524
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





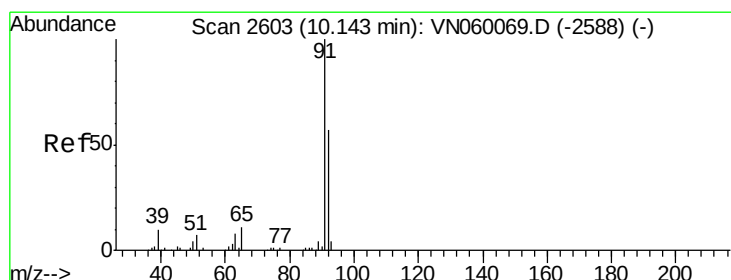
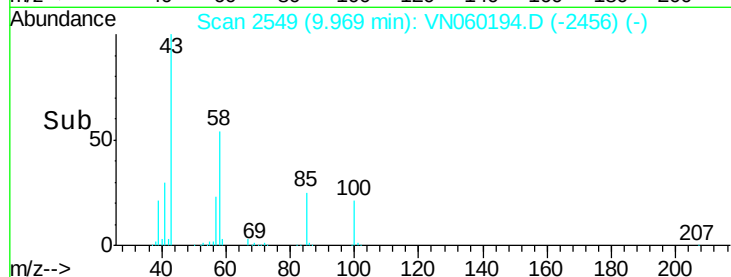
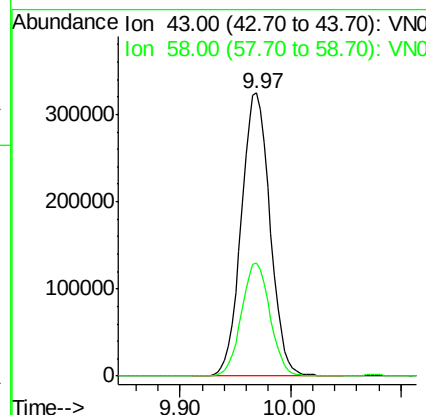
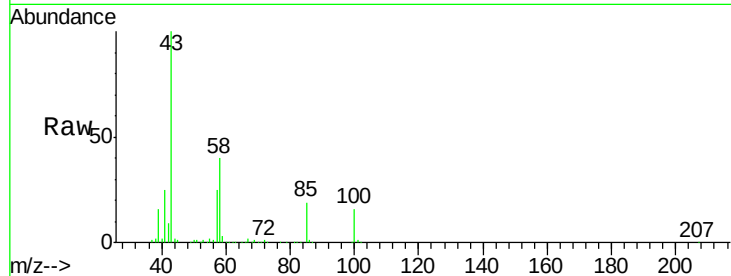
#51
4-Methyl-2-Pentanone
Concen: 236.412 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	585875
Ion Ratio	100	Lower	Upper
43	100		
58	39.8	31.8	47.8

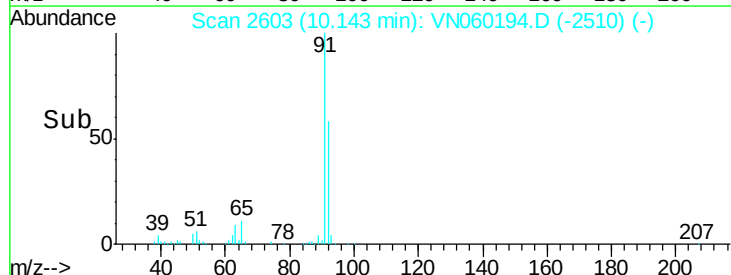
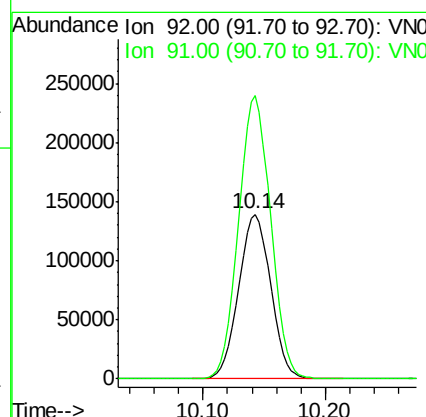
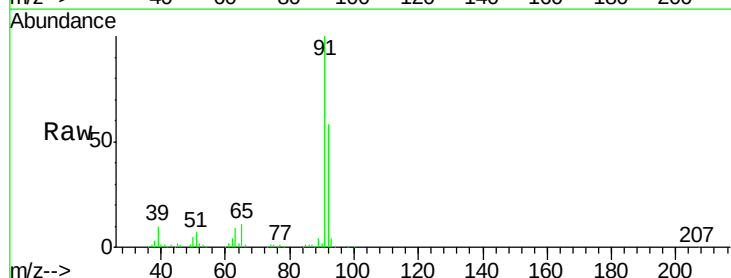
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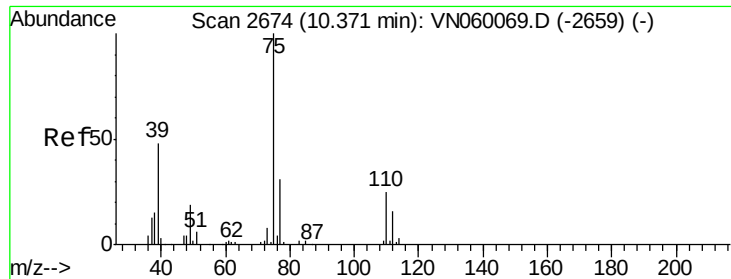
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#52
Toluene
Concen: 48.061 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	92	Resp	253362
Ion Ratio	100	Lower	Upper
92	100		
91	172.5	140.9	211.3





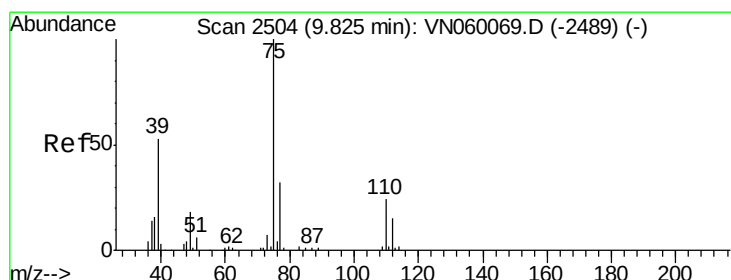
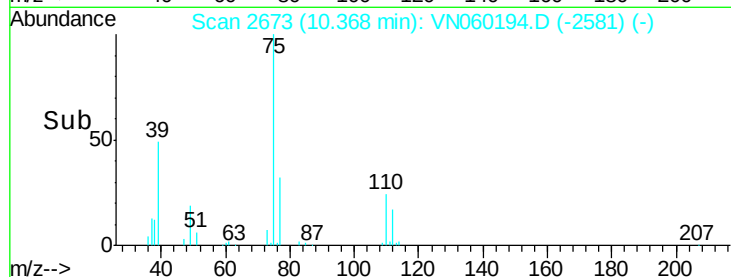
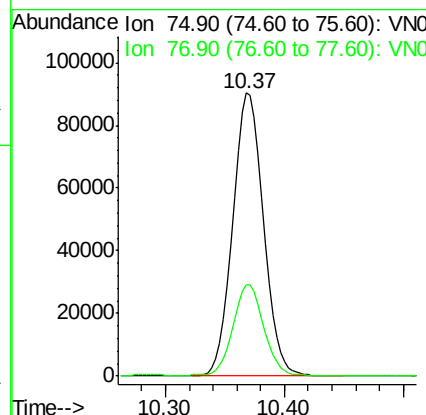
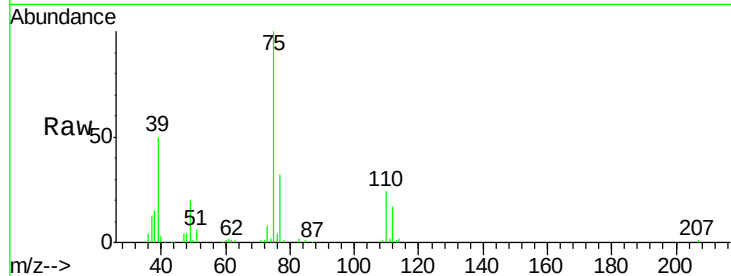
#53
t-1,3-Dichloropropene
Concen: 48.974 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 161646
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.0

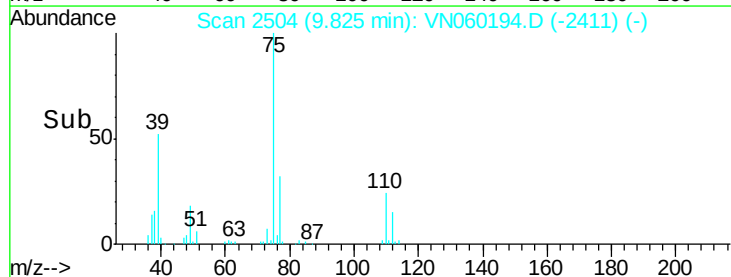
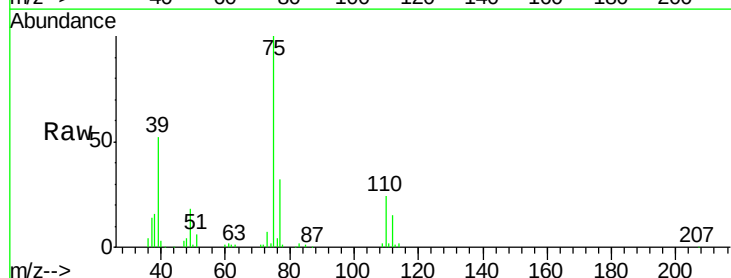
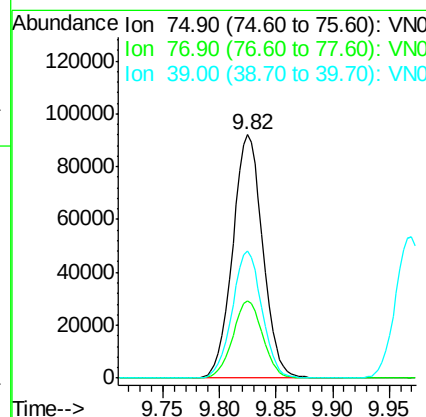
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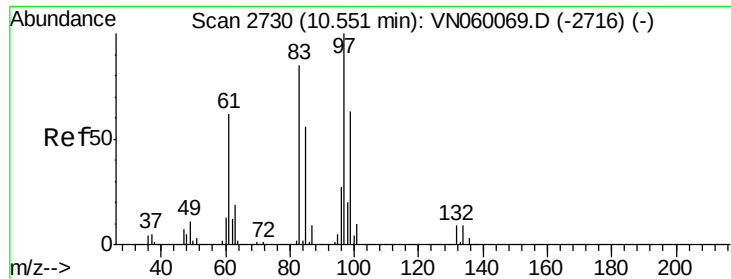
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#54
cis-1,3-Dichloropropene
Concen: 49.015 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion: 75 Resp: 170356
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 52.3 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 47.757 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

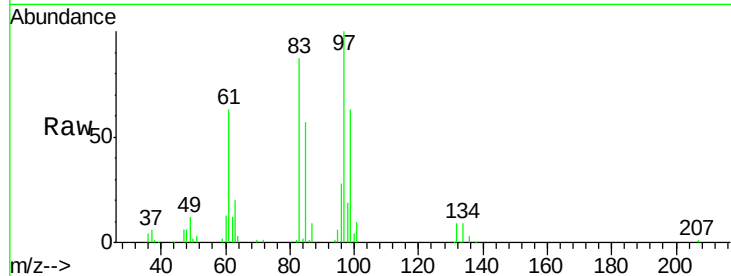
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	98219
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.9	101.9
85	57.5	44.6	67.0
99	63.0	50.1	75.1

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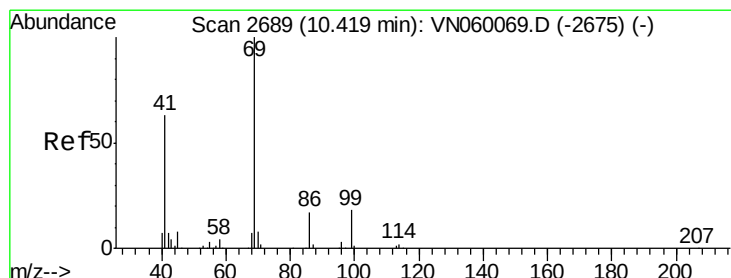
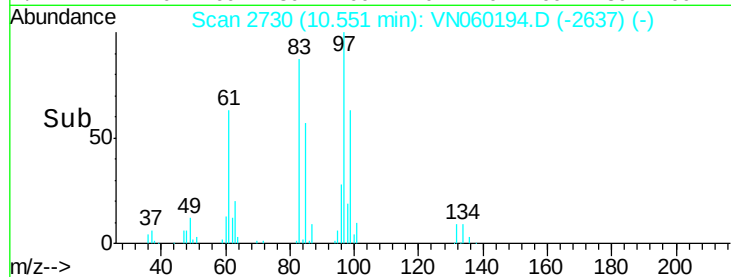
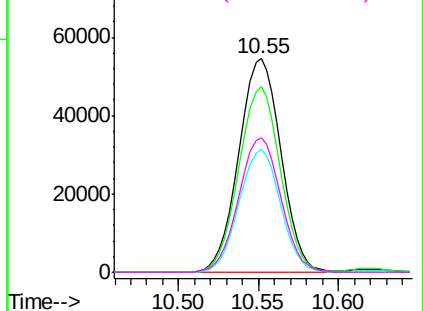
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.224 ug/l

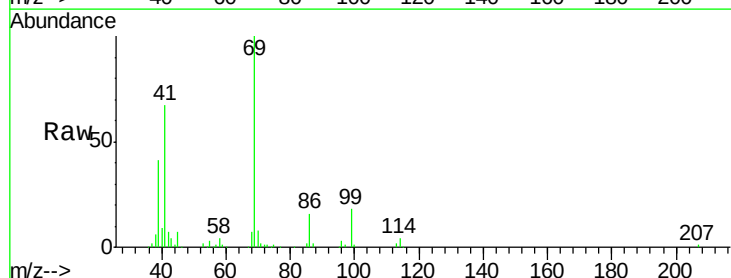
RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	69	Resp:	146119
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.1	76.7
39	41.4	33.8	50.8

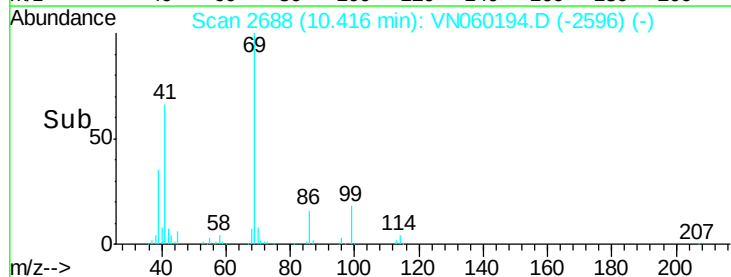
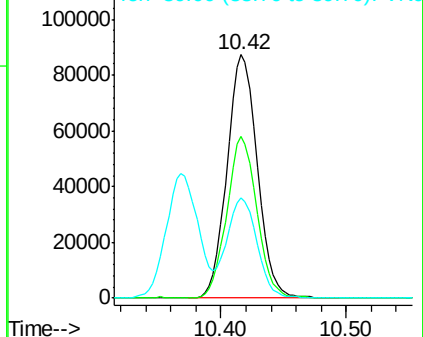


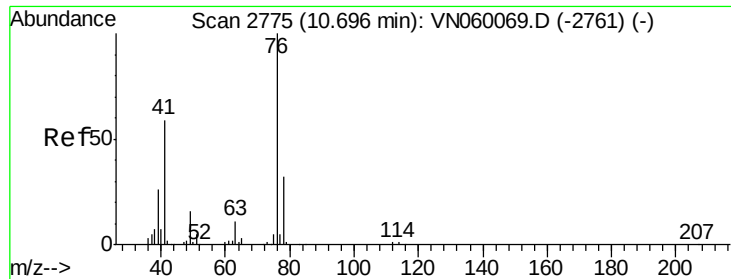
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





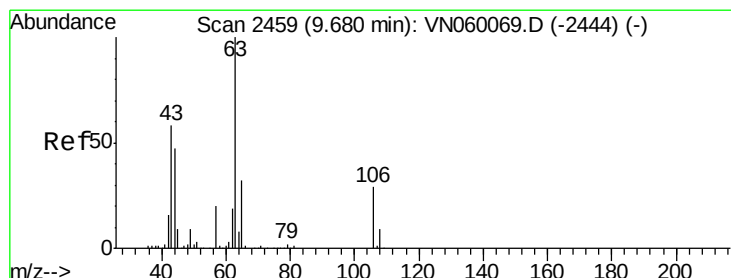
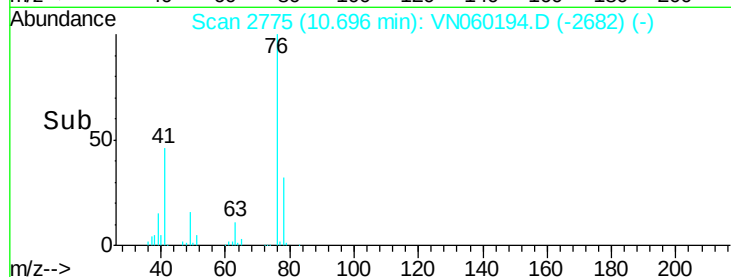
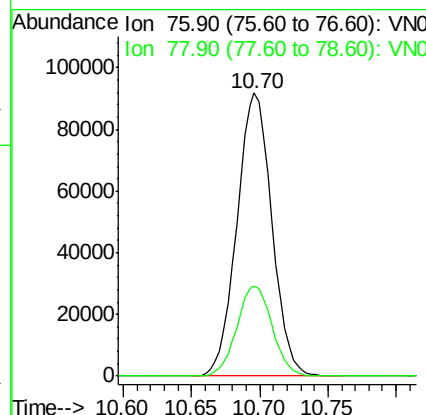
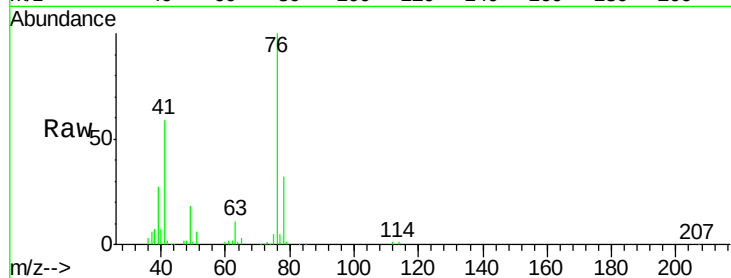
#57
 1,3-Dichloropropane
 Concen: 48.022 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

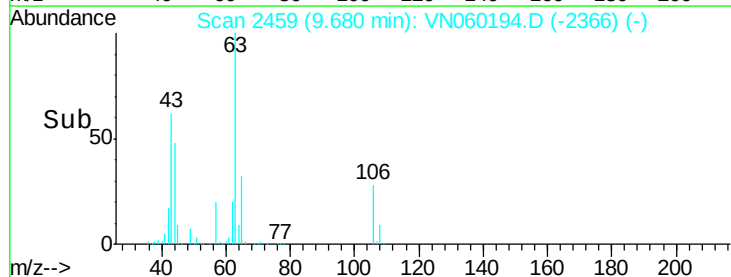
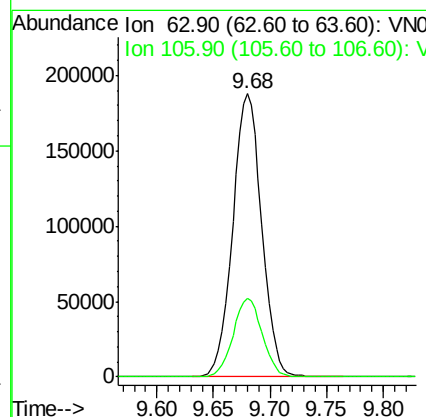
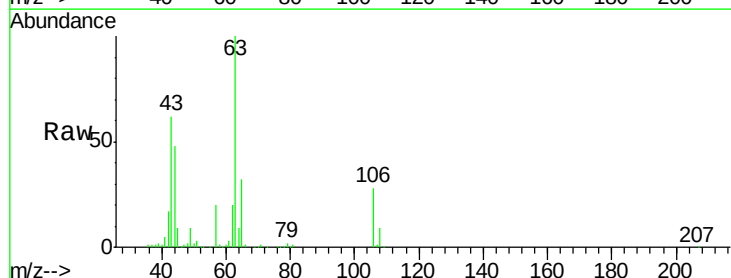
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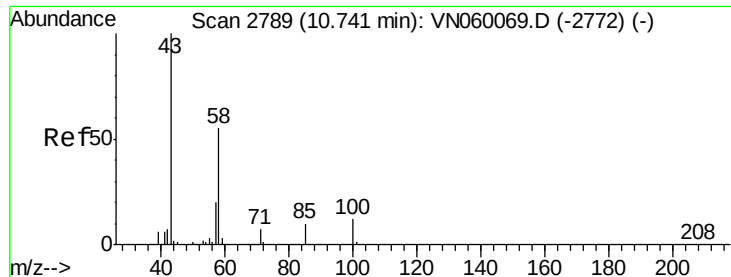
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#58
 2-Chloroethyl Vinyl ether
 Concen: 246.156 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	22.9	34.3





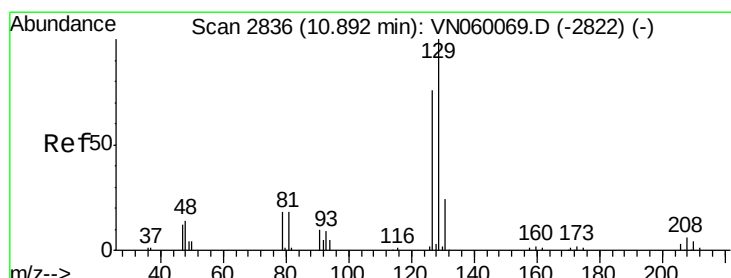
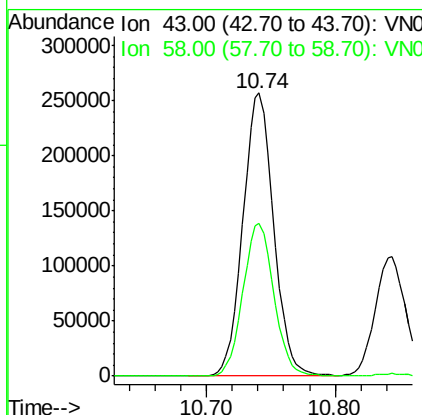
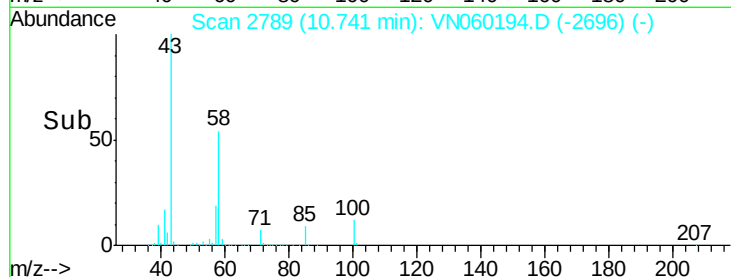
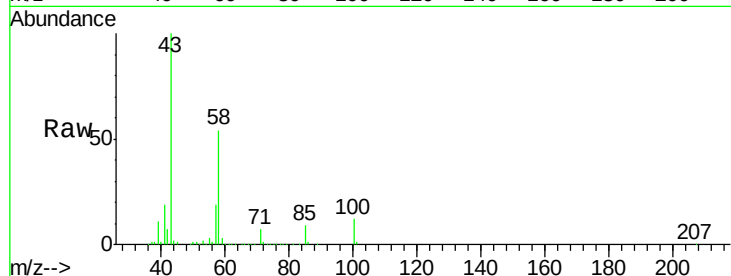
#59
2-Hexanone
Concen: 222.962 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 426826
Ion Ratio Lower Upper
43 100
58 54.3 27.5 82.4

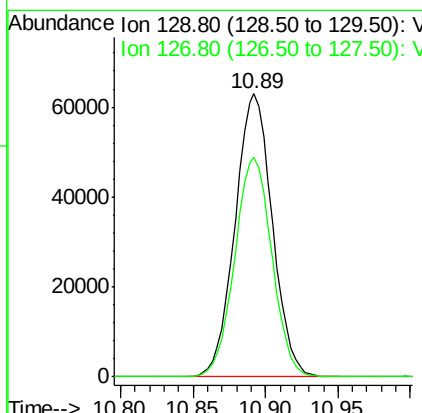
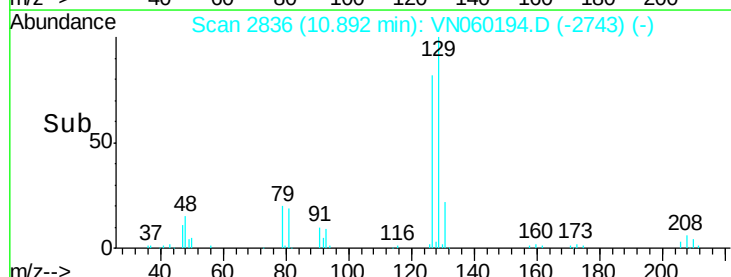
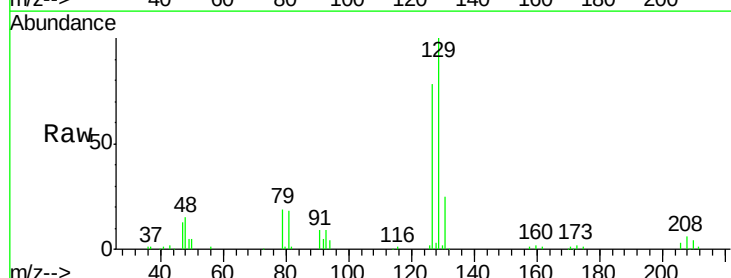
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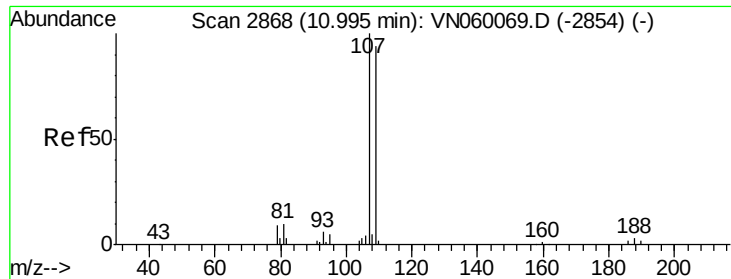
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#60
Dibromochloromethane
Concen: 47.648 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion: 129 Resp: 112452
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1





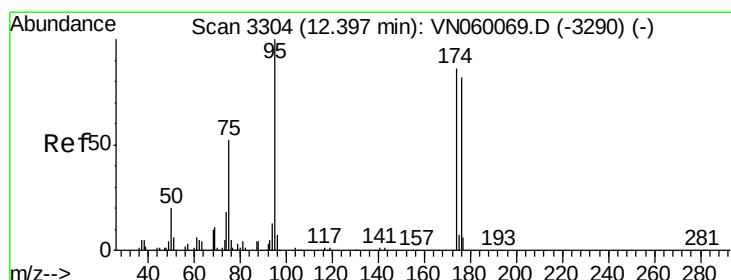
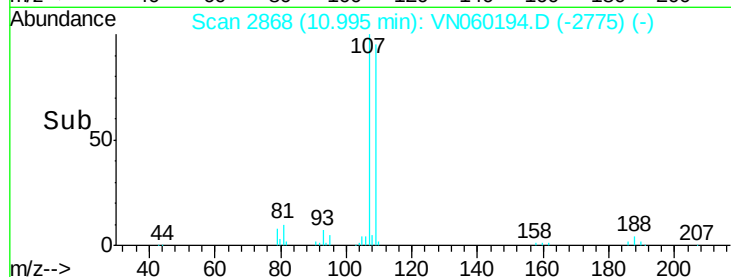
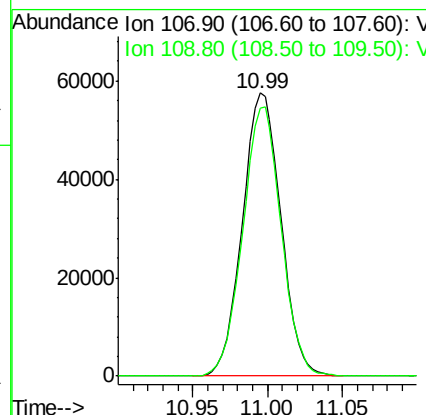
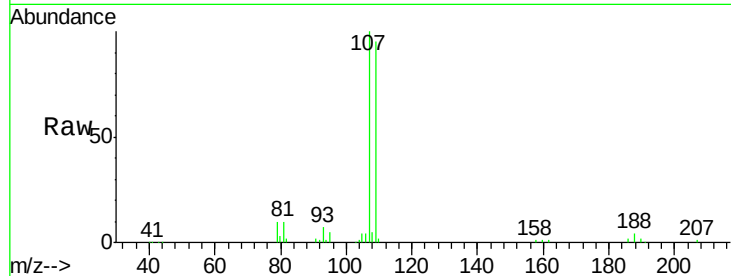
#61
 1,2-Dibromoethane
 Concen: 47.858 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

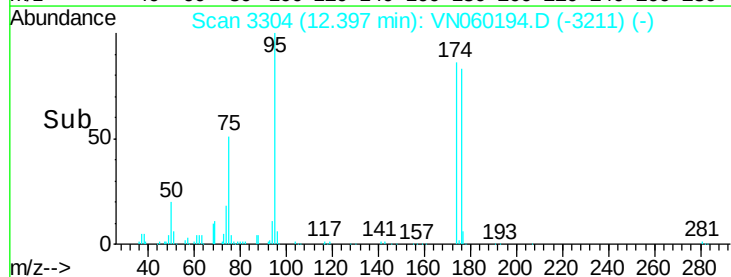
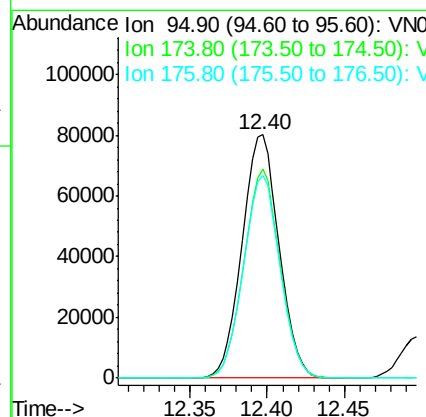
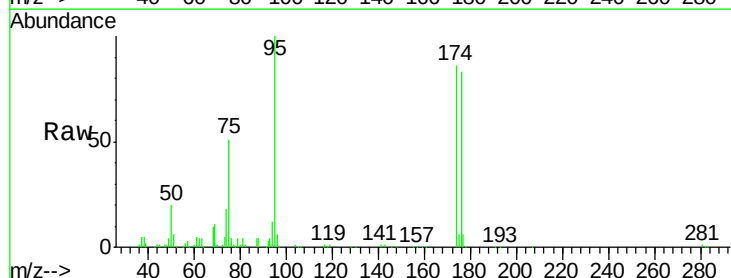
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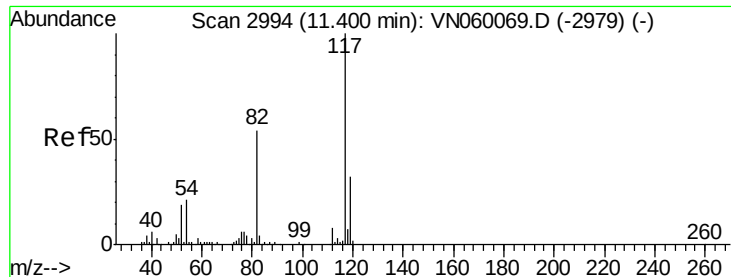
MMDadoda
 2/24/2020 11:38:37 AM



#62
 4-Bromofluorobenzene
 Concen: 50.089 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	169.8
176	82.4	0.0	164.8





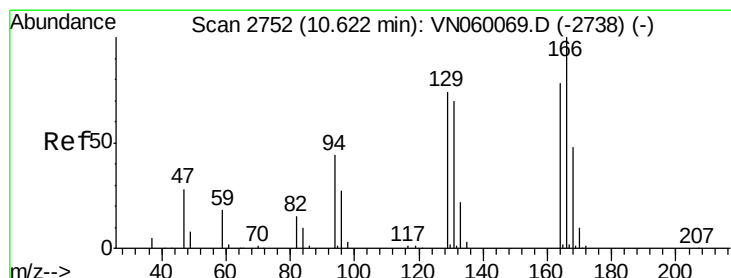
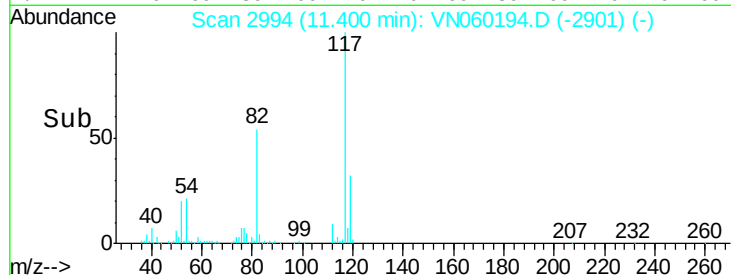
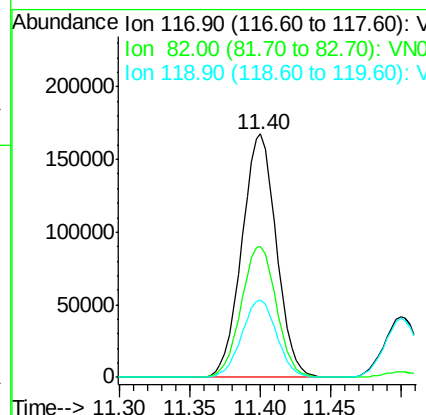
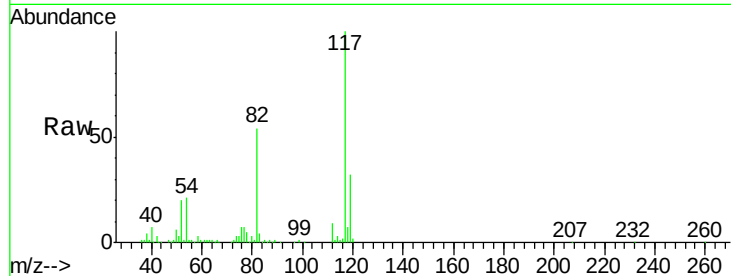
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	287406		
82	54.0		43.4	65.0
119	32.0		25.8	38.6

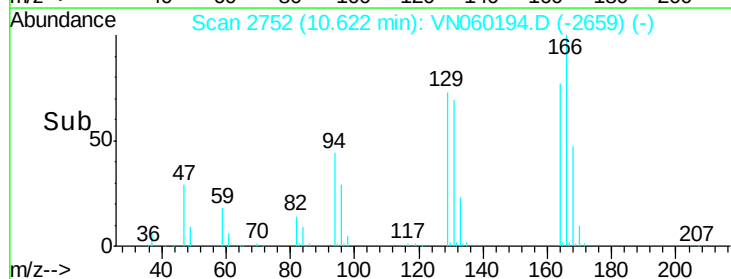
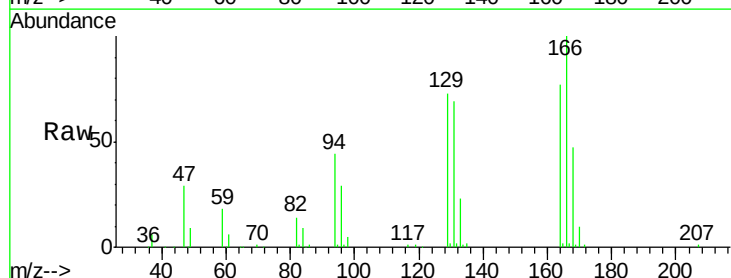
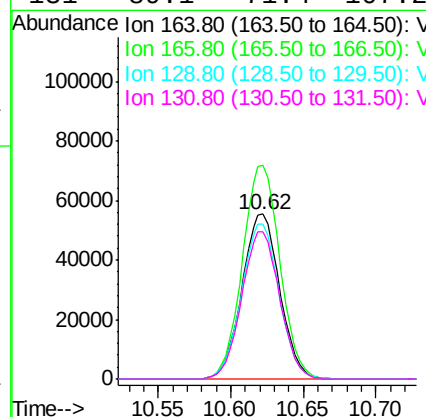
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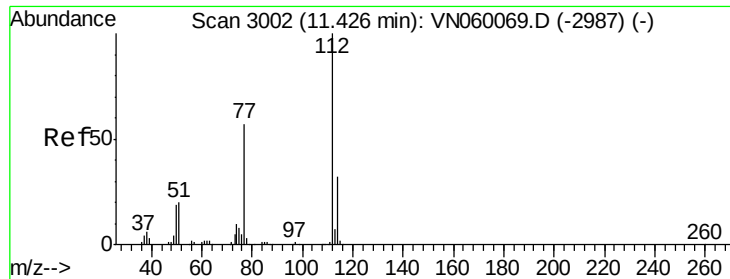
MMDadoda
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#64
Tetrachloroethene
Concen: 45.946 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100384		
166	129.6		101.9	152.9
129	94.1		75.4	113.0
131	89.1		71.4	107.2





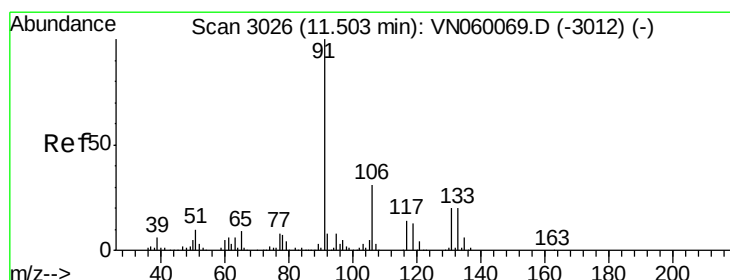
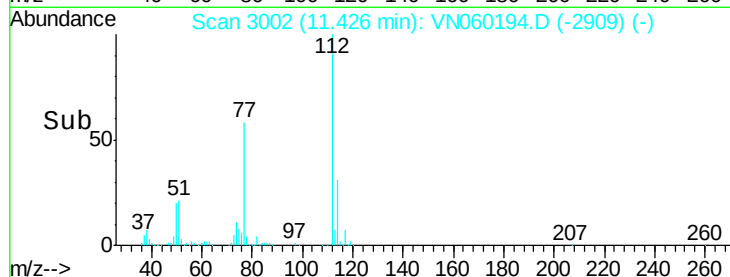
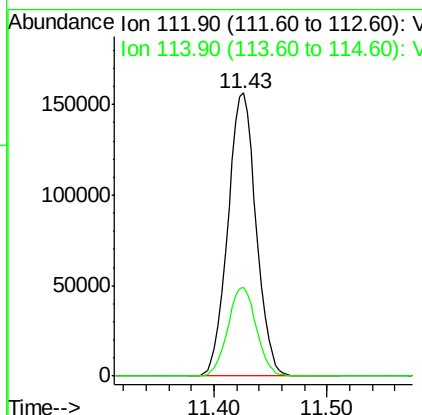
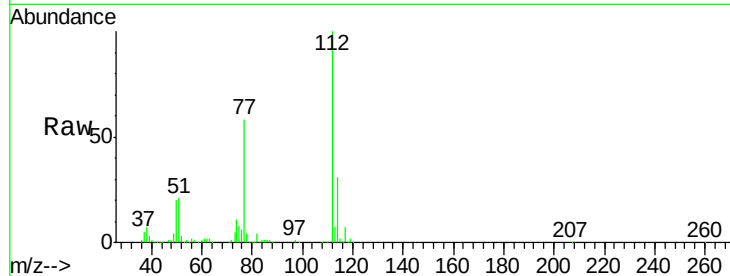
#65
Chlorobenzene
Concen: 46.342 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 271356
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0

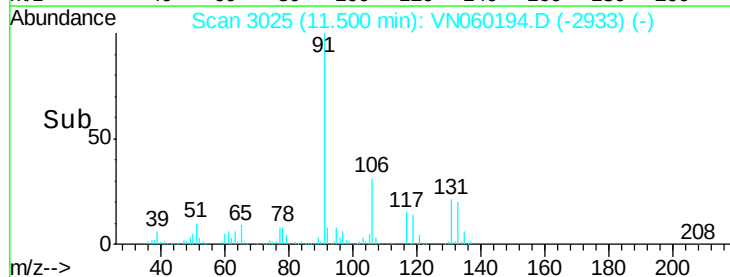
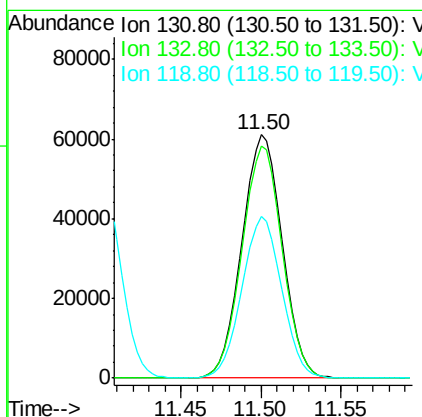
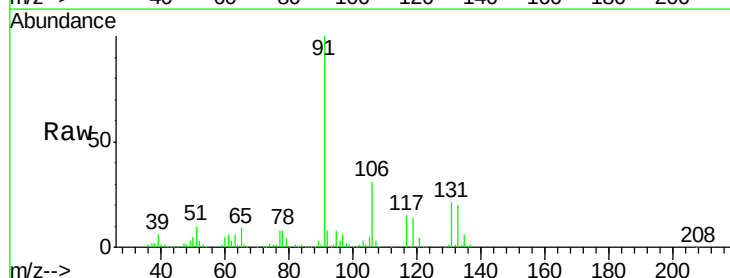
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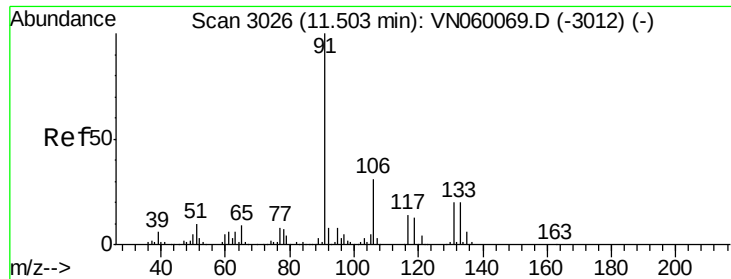
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.389 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion:131 Resp: 104971
Ion Ratio Lower Upper
131 100
133 95.3 47.9 143.7
119 65.5 32.6 97.7





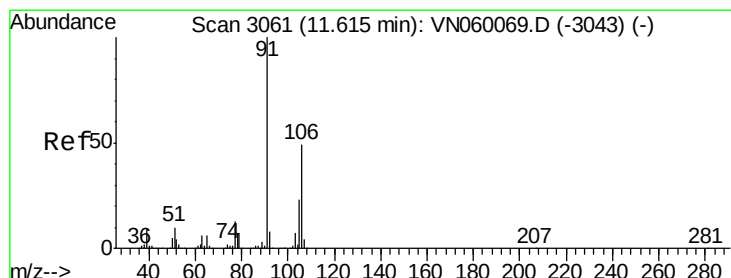
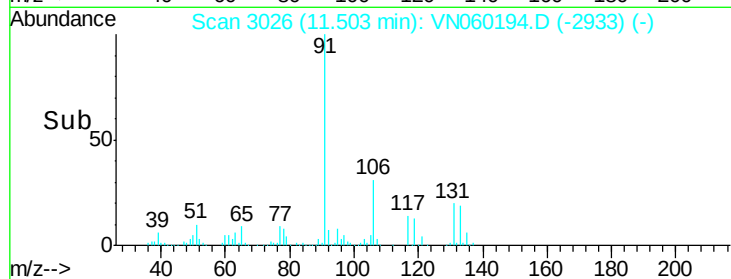
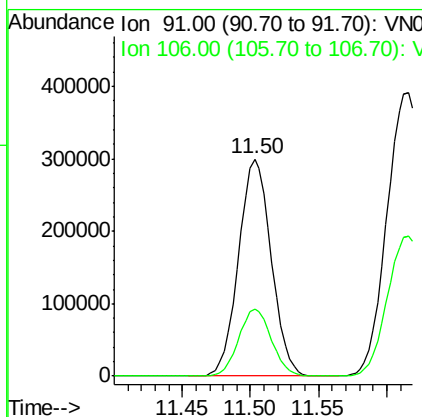
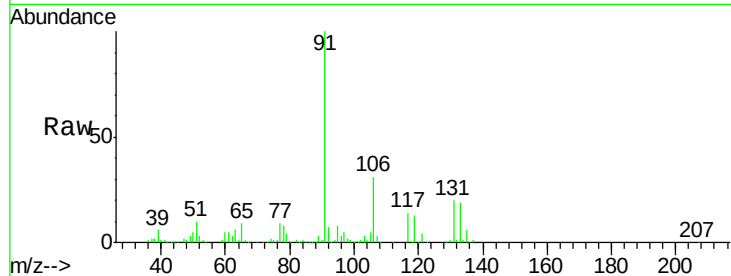
#67
Ethyl Benzene
Concen: 47.177 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 498228
Ion Ratio Lower Upper
91 100
106 30.8 25.1 37.7

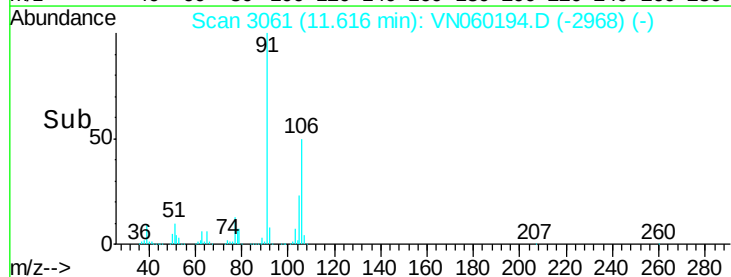
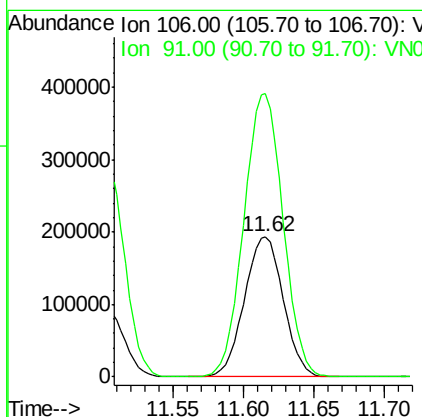
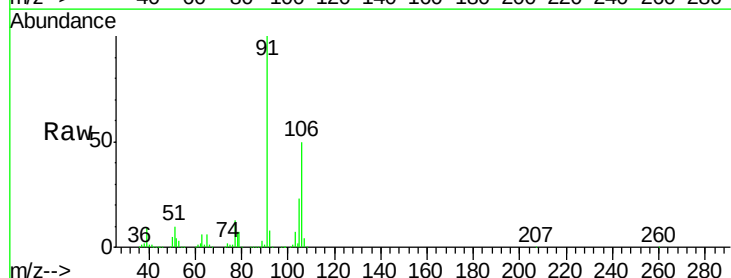
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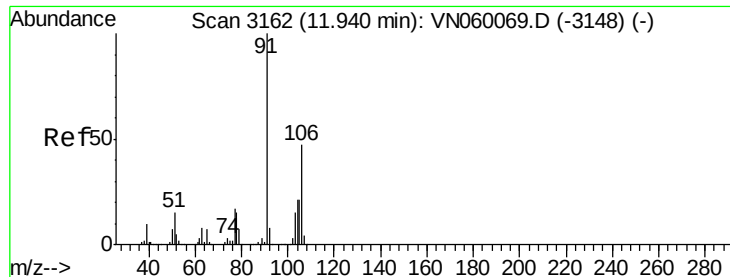
MMDadoda
2/24/2020 11:38:37 AM



#68
m/p-Xylenes
Concen: 94.116 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion: 106 Resp: 373038
Ion Ratio Lower Upper
106 100
91 203.5 162.7 244.1





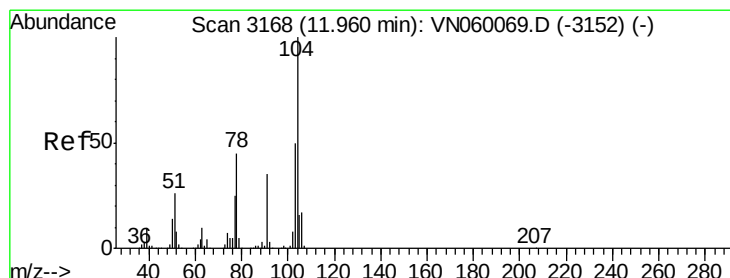
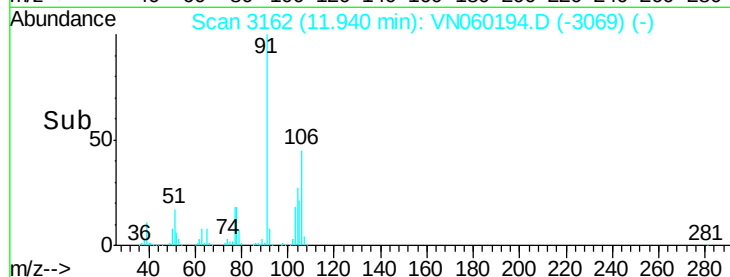
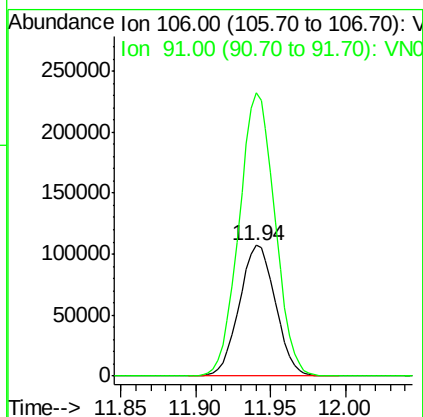
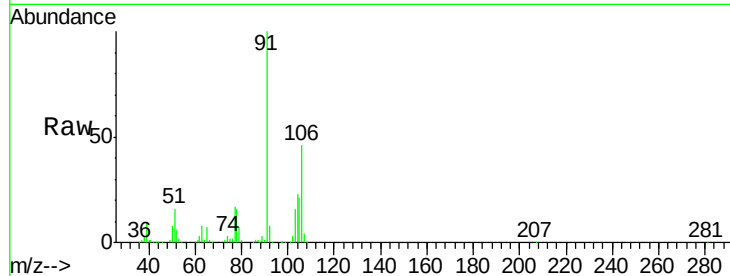
#69
o-Xylene
Concen: 47.165 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.1	107.2	321.6	

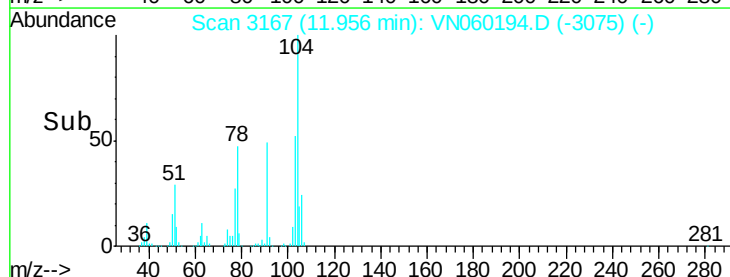
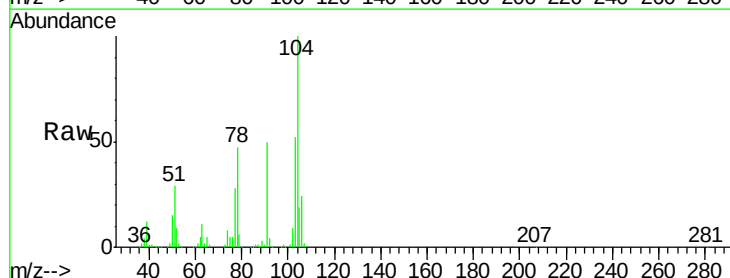
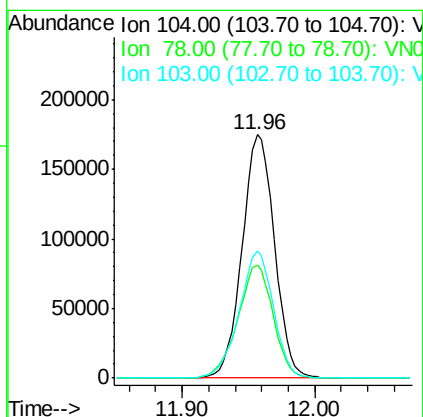
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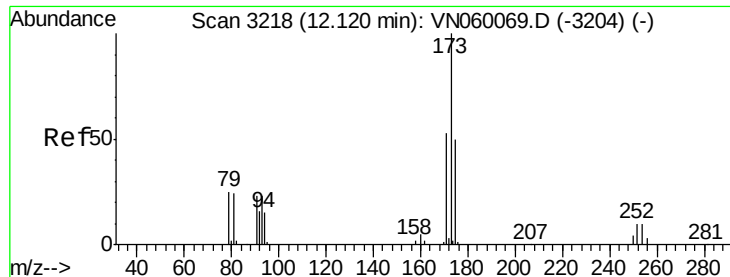
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#70
Styrene
Concen: 48.214 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.7	40.2	60.2	
103	55.2	44.3	66.5	





#71

Bromoform

Concen: 47.559 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 84732

Ion Ratio Lower Upper

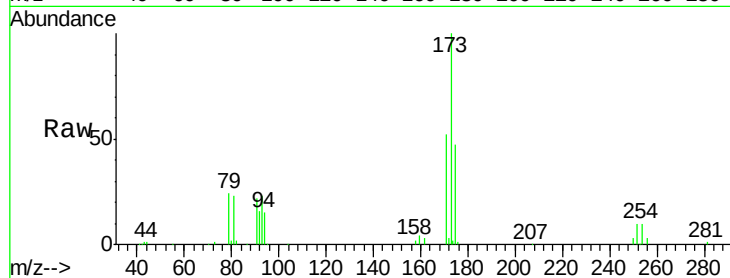
173 100

175 48.5 24.9 74.6

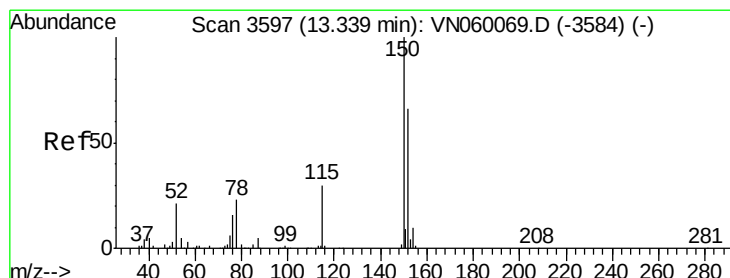
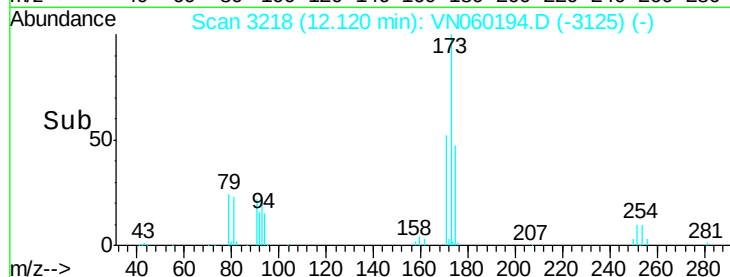
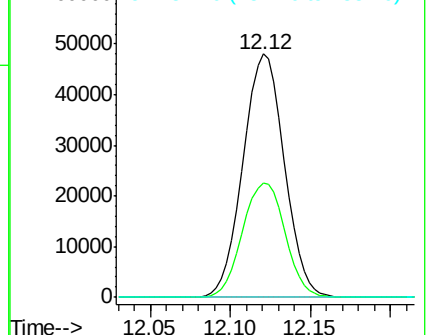
254 0.0 0.0 0.0

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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# 3597

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

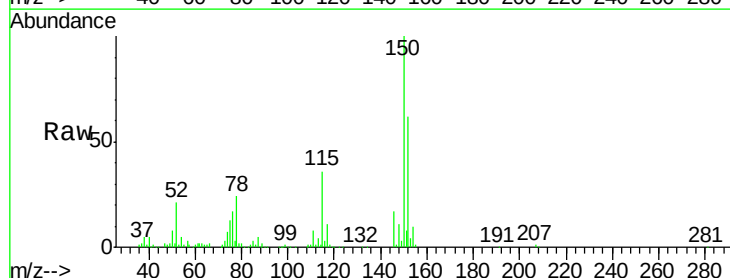
Tgt Ion:152 Resp: 145006

Ion Ratio Lower Upper

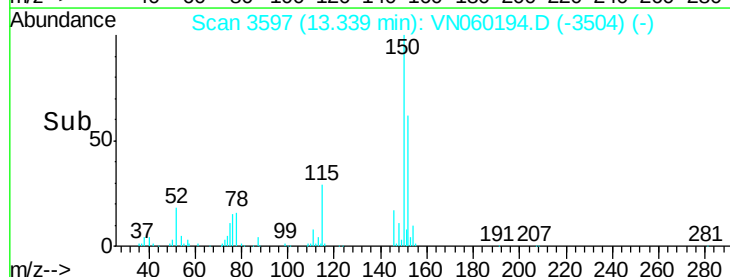
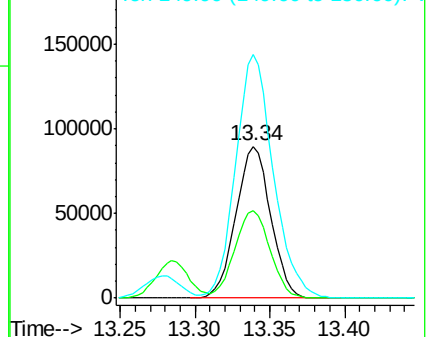
152 100

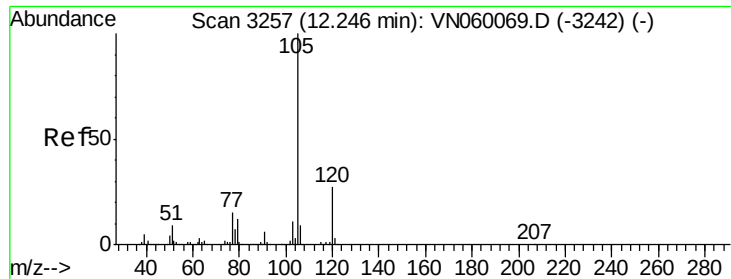
115 58.3 28.9 86.8

150 173.6 0.0 342.4



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: 45.506 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 492748

Ion Ratio Lower Upper

105 100

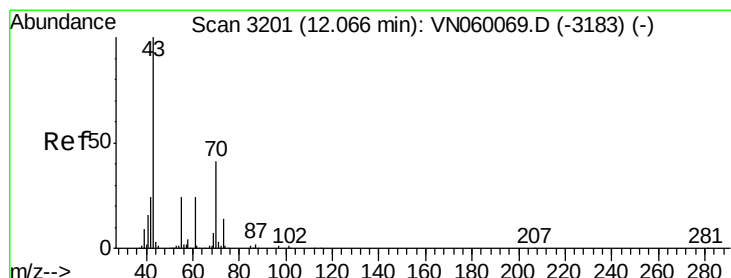
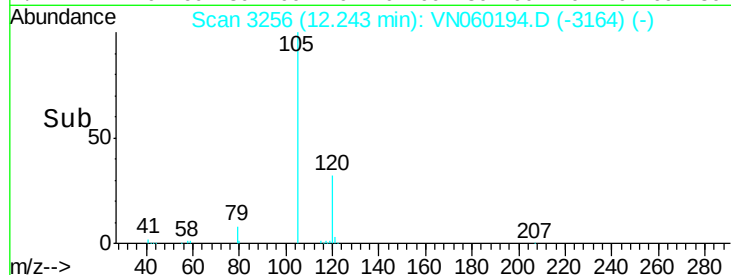
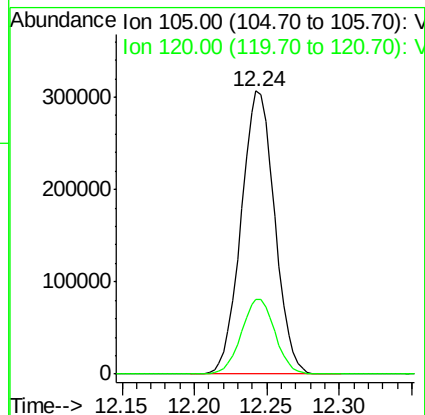
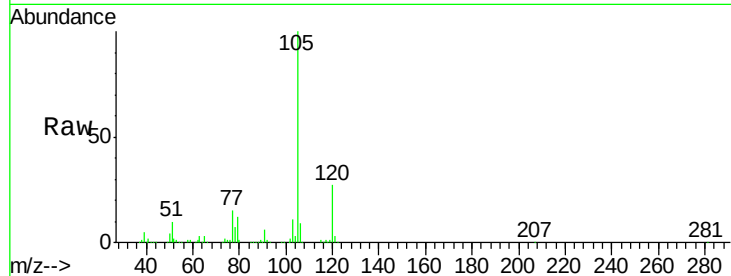
120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 47.488 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion: 43 Resp: 185425

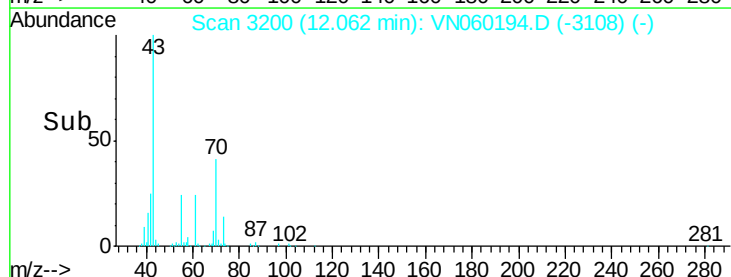
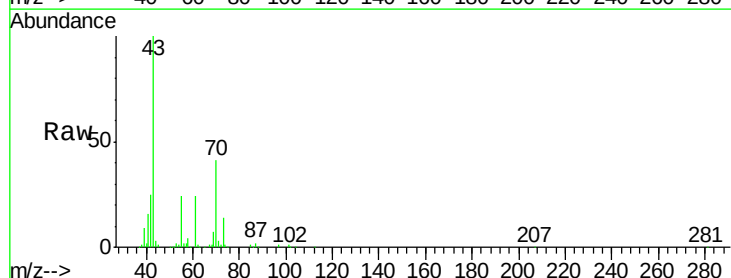
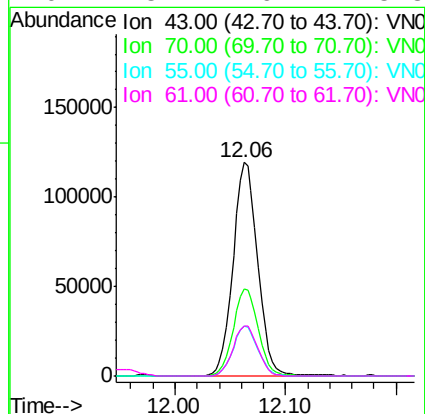
Ion Ratio Lower Upper

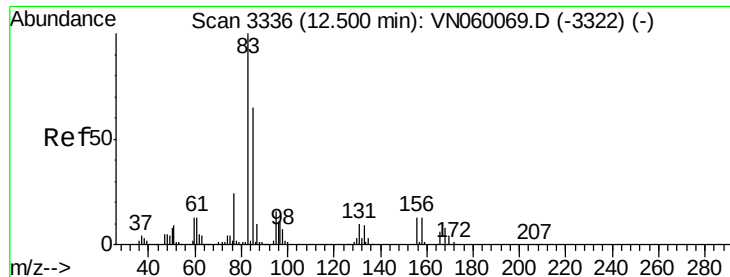
43 100

70 41.2 33.4 50.0

55 23.5 18.8 28.2

61 23.7 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 45.259 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

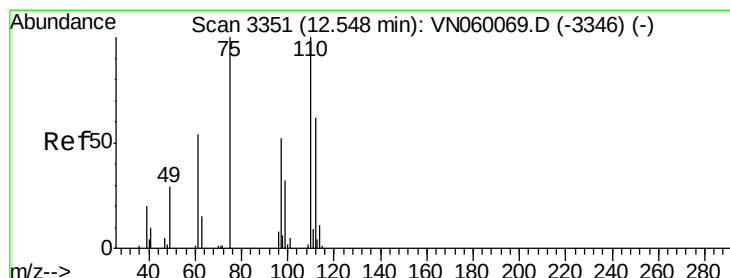
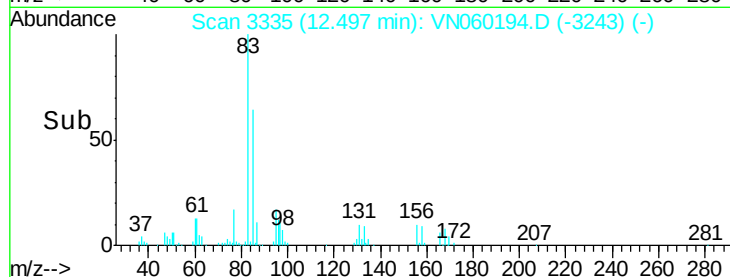
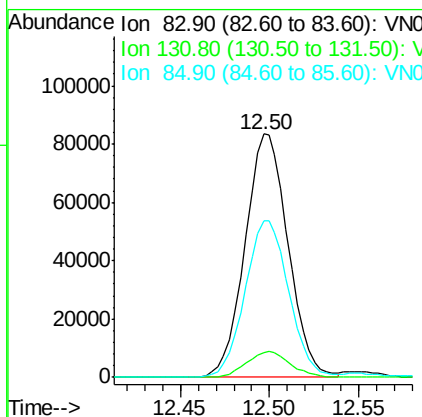
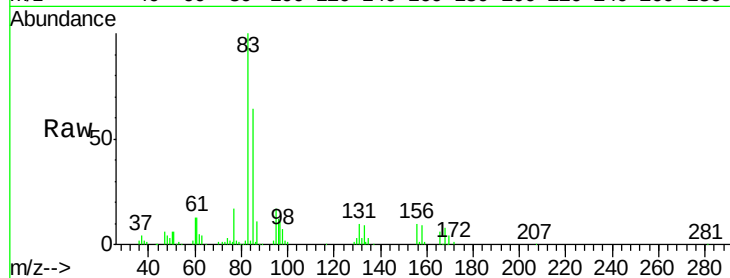
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	141061
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	65.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 45.170 ug/l m

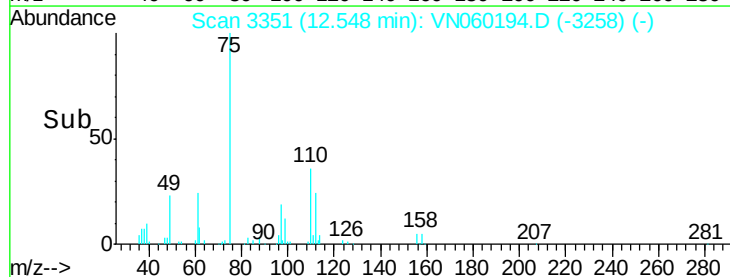
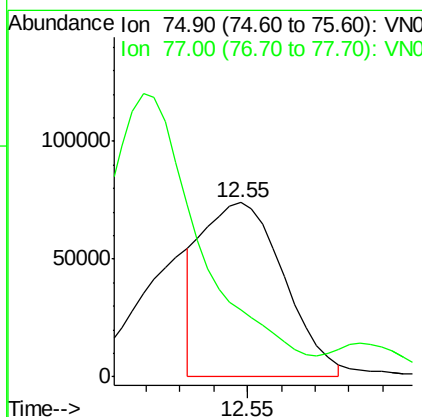
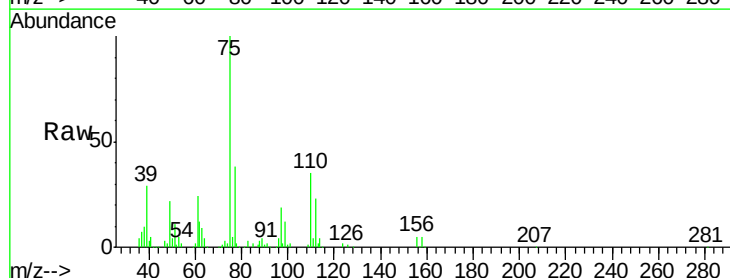
RT: 12.55 min Scan# 3351

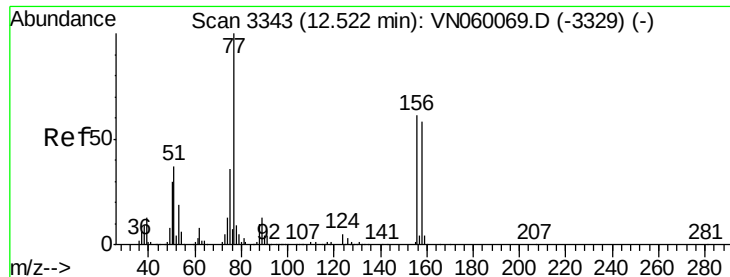
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	75	Resp:	125313
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.072 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

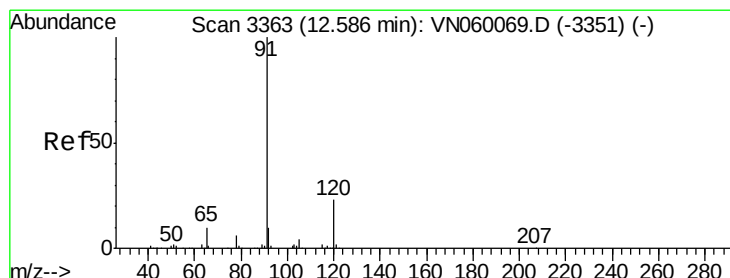
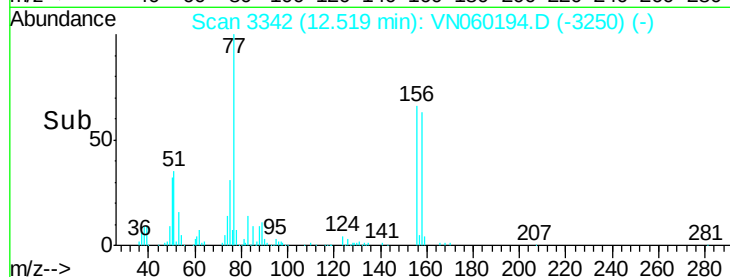
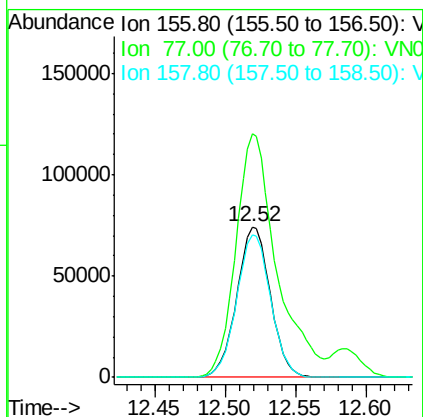
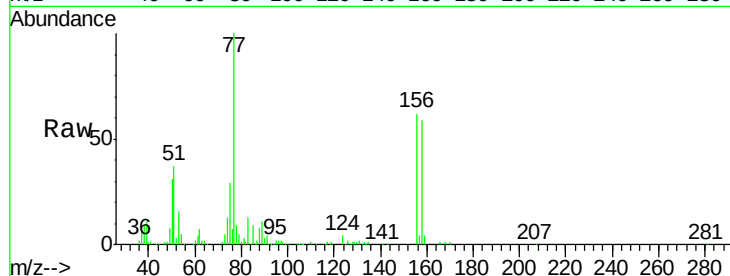
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	123807
Ion Ratio	Lower	Upper	
156	100		
77	196.7	98.7	296.1
158	96.3	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 45.745 ug/l

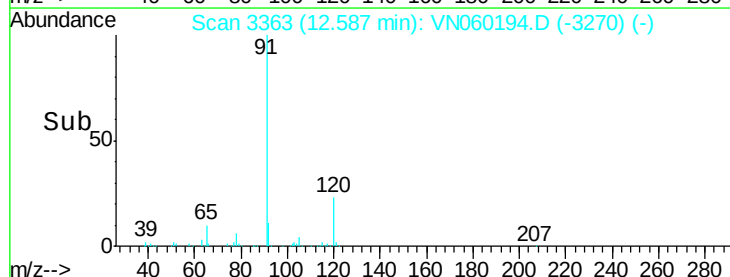
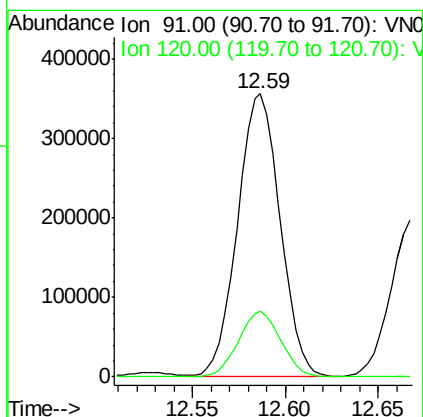
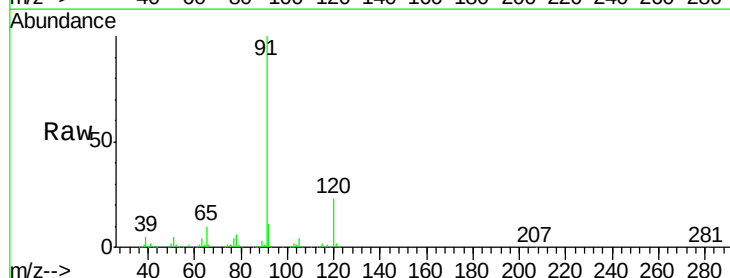
RT: 12.59 min Scan# 3363

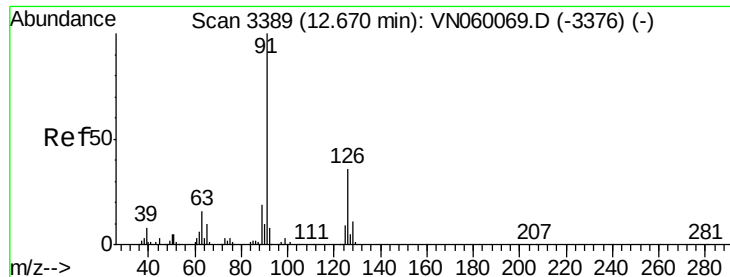
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	91	Resp:	564361
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.5





#79

2-Chlorotoluene

Concen: 45.387 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 329114

Ion Ratio Lower Upper

91 100

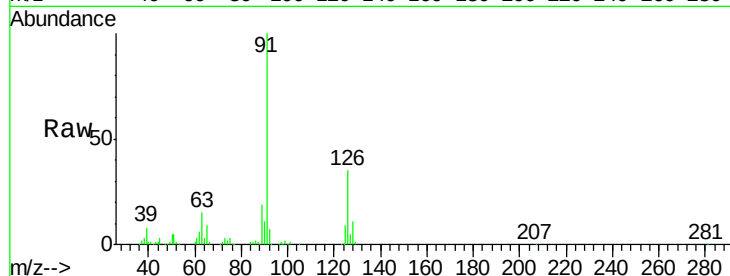
126 34.6 17.4 52.2

Manual Integrations

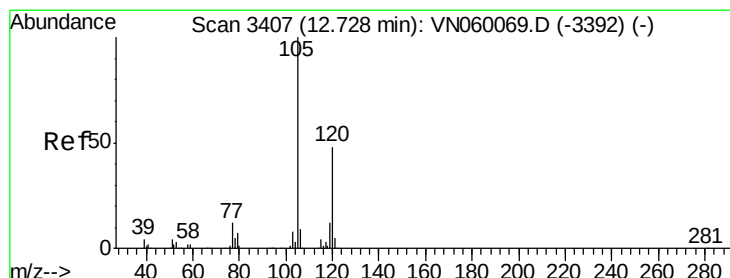
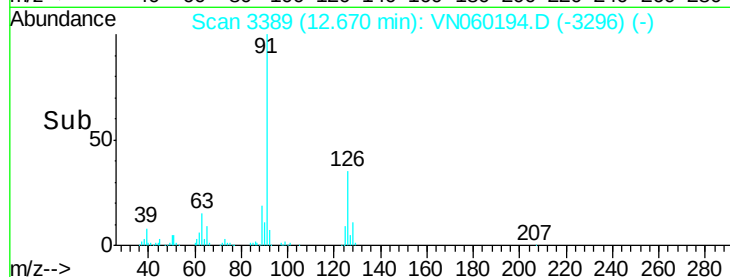
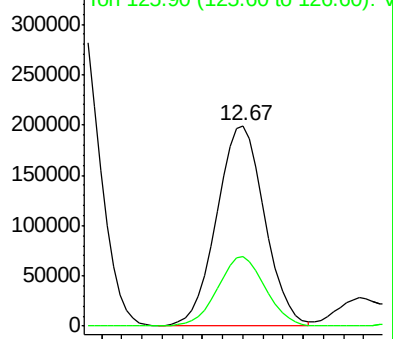
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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.022 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060194.D

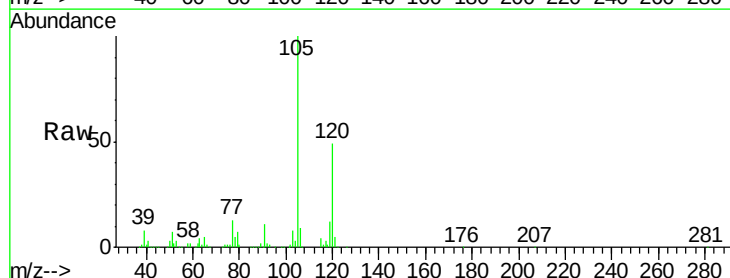
Acq: 21 Feb 2020 17:43

Tgt Ion: 105 Resp: 414344

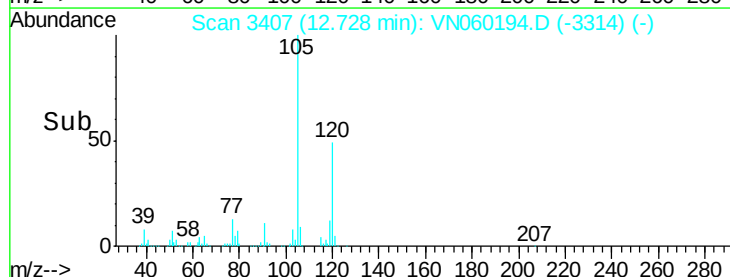
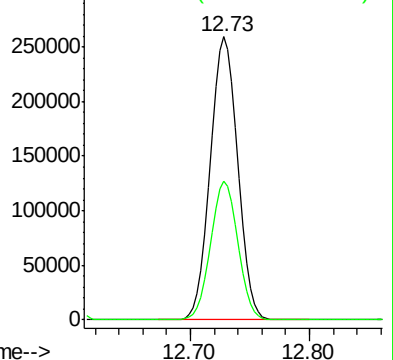
Ion Ratio Lower Upper

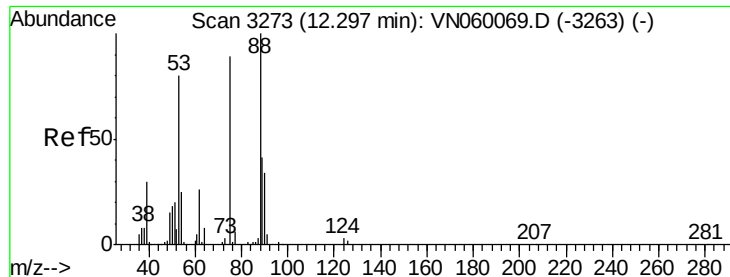
105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.499 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

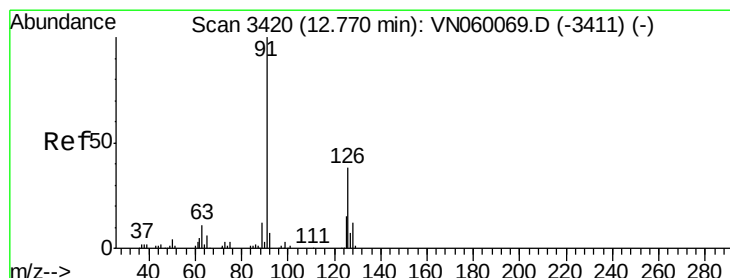
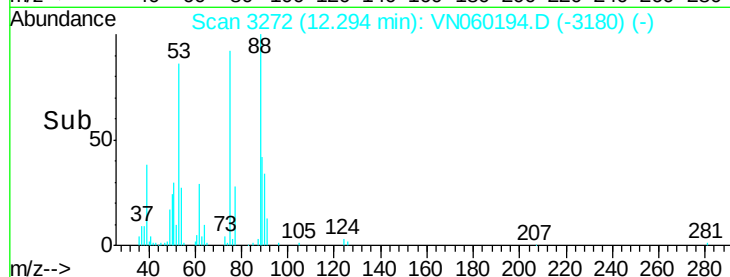
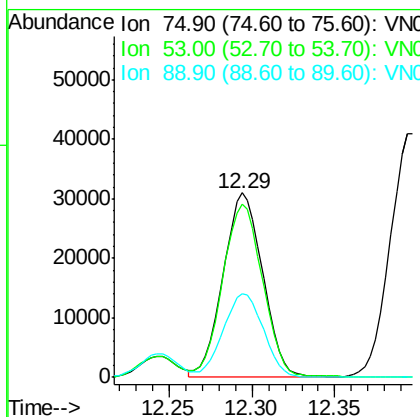
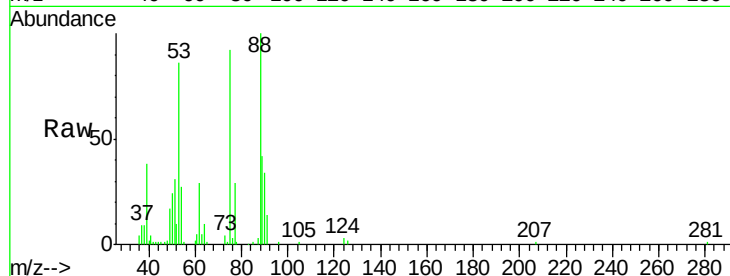
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	51553
Ion	Ratio	Lower	Upper
75	100		
53	95.3	73.9	110.9
89	46.0	37.0	55.4

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#82

4-Chlorotoluene

Concen: 45.980 ug/l

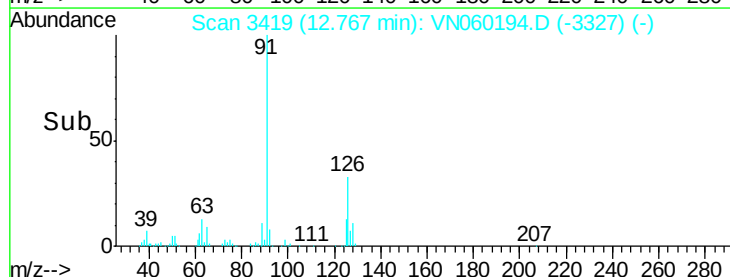
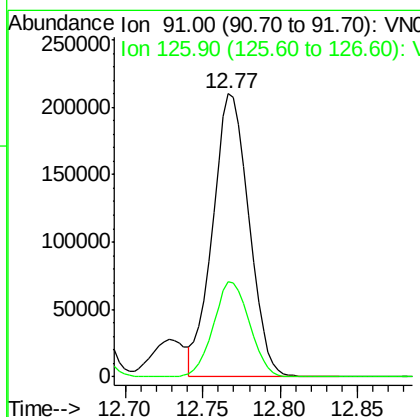
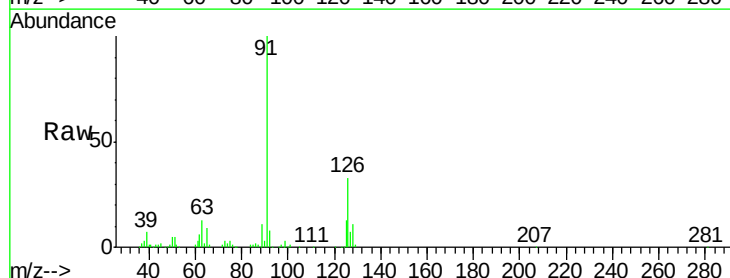
RT: 12.77 min Scan# 3419

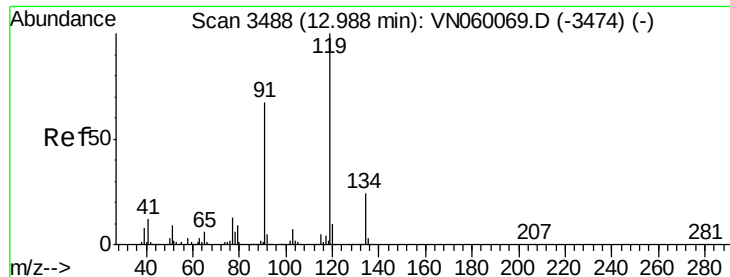
Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	91	Resp:	342075
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





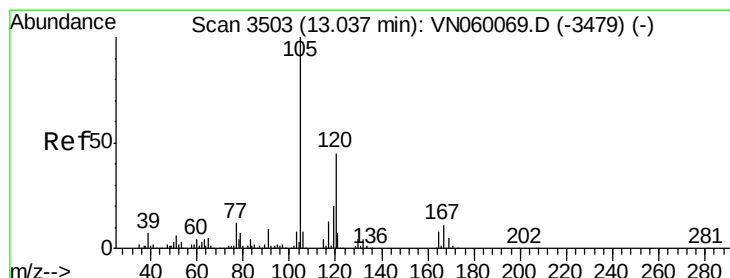
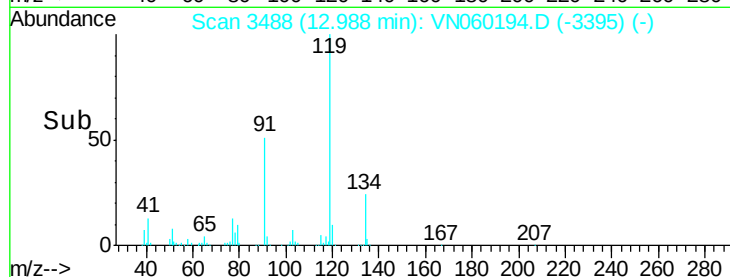
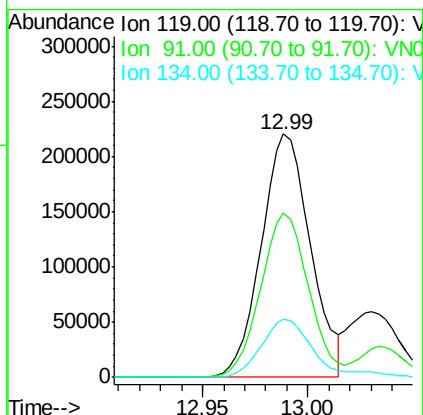
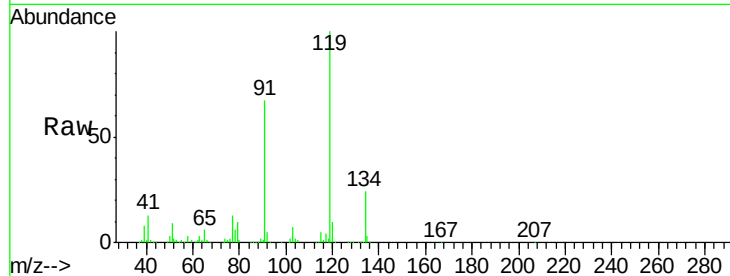
#83
 tert-Butylbenzene
 Concen: 44.974 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	32.7	98.1
134	25.5	12.9	38.7

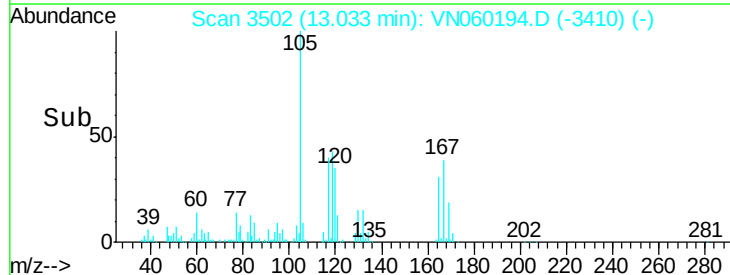
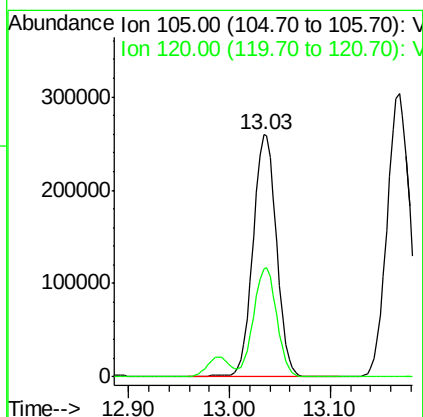
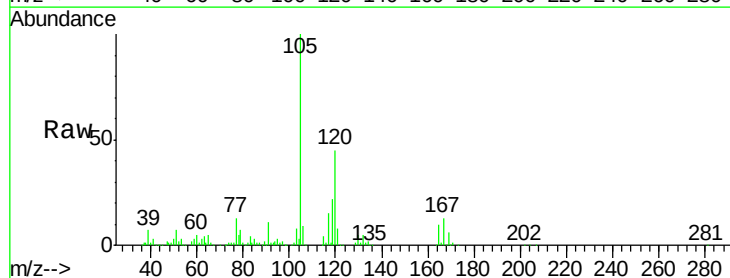
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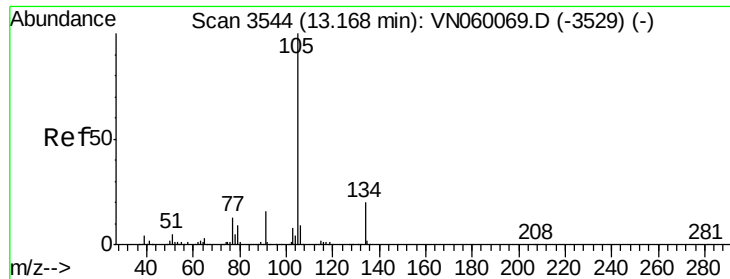
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.856 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060194.D
 Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





#85

sec-Butylbenzene

Concen: 45.639 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

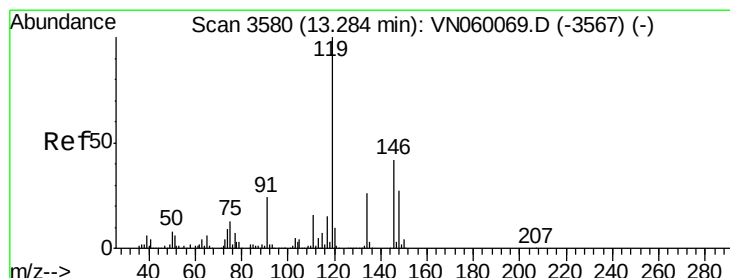
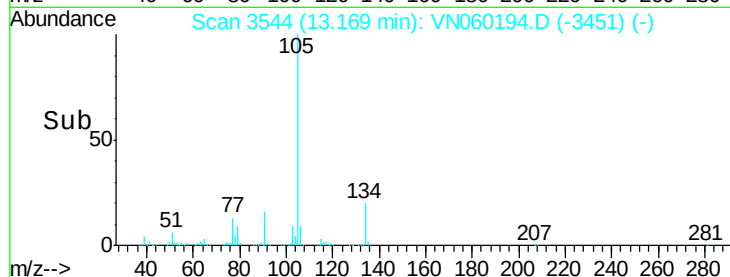
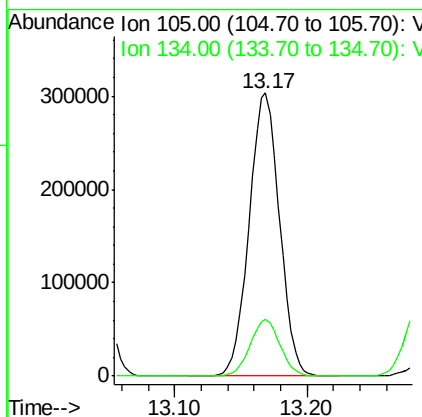
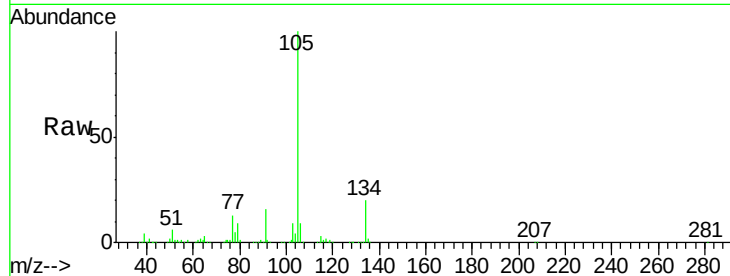
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

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#86

p-Isopropyltoluene

Concen: 45.624 ug/l

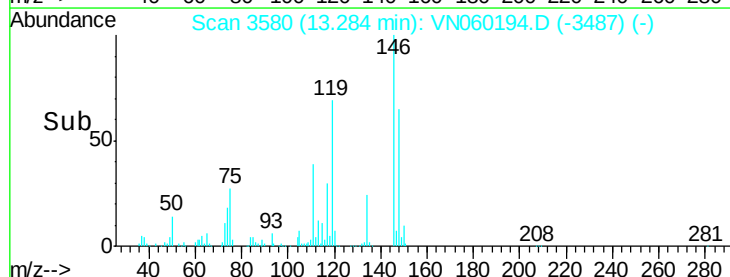
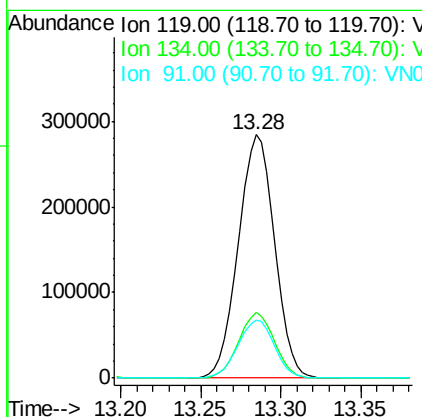
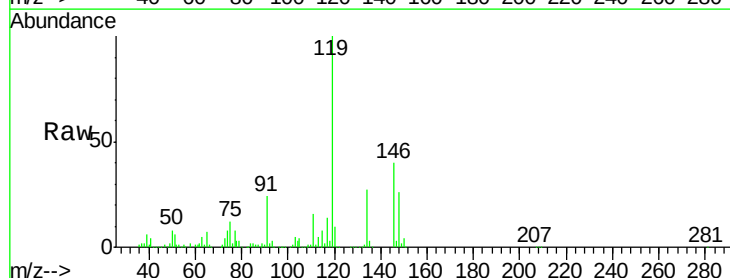
RT: 13.28 min Scan# 3580

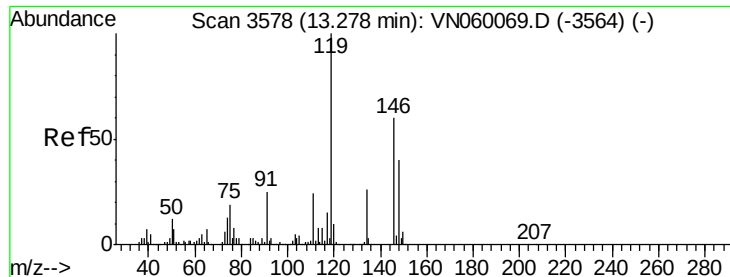
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	24.2	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 46.334 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060194.D

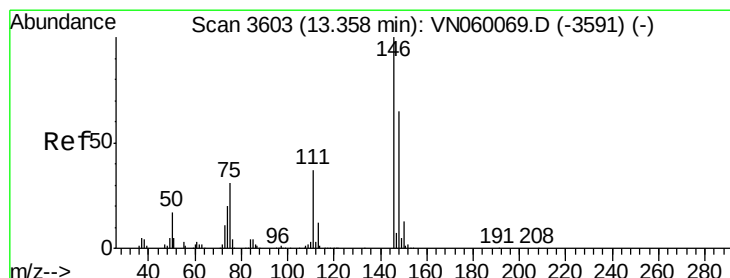
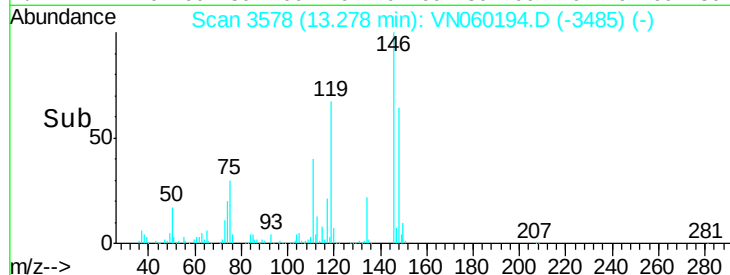
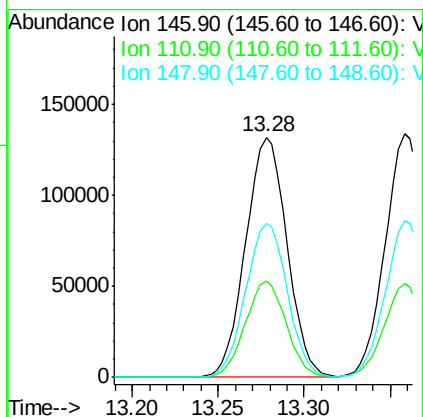
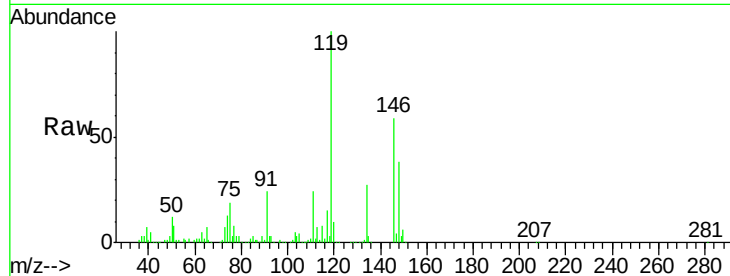
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.3
148	64.5	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 46.120 ug/l

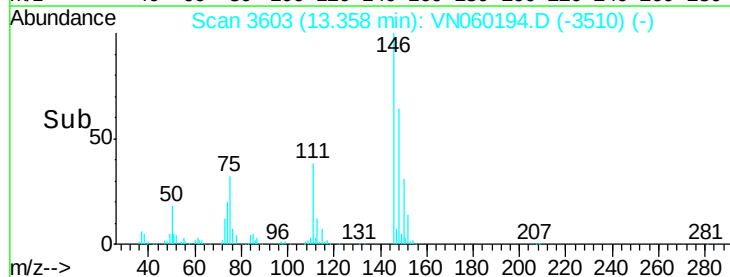
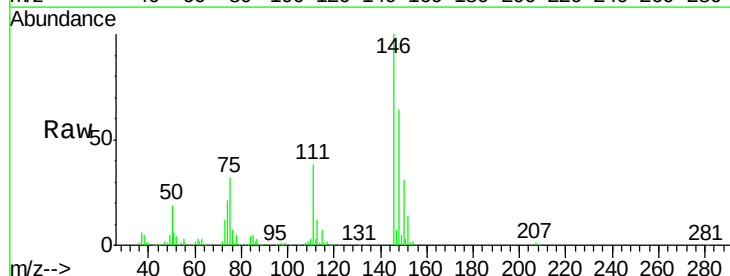
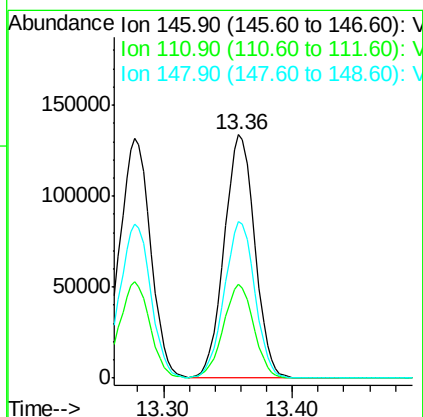
RT: 13.36 min Scan# 3603

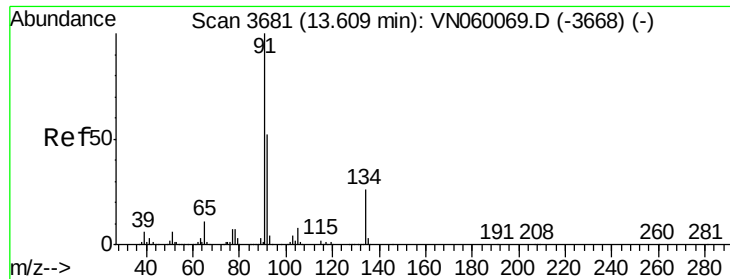
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.9	56.5
148	64.5	32.0	96.0





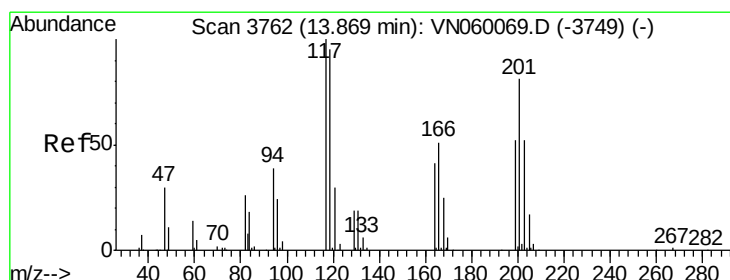
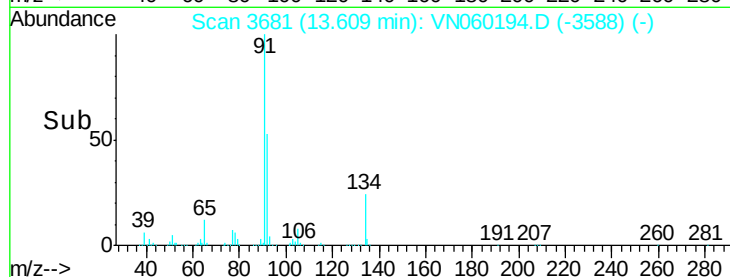
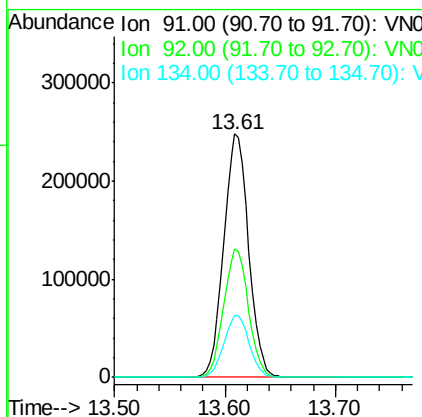
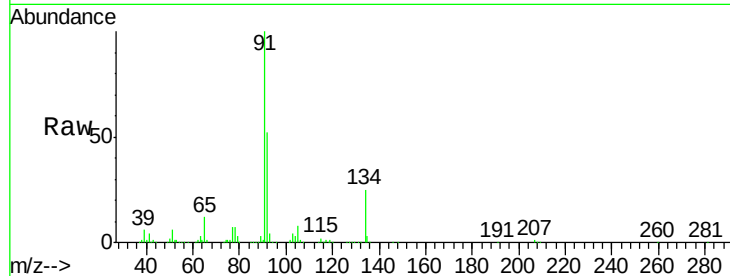
#89
n-Butylbenzene
Concen: 46.096 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		387469		
92	52.3	26.1		78.2	
134	25.8	13.1		39.3	

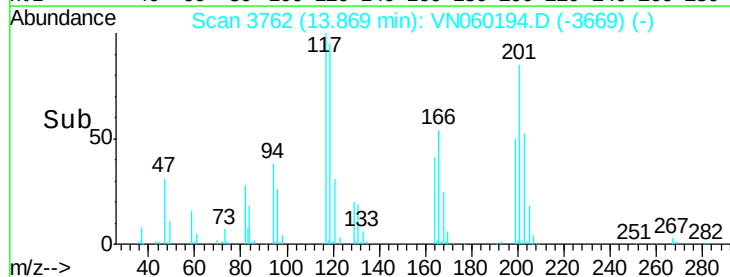
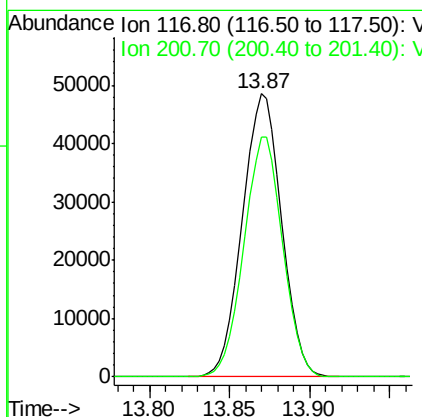
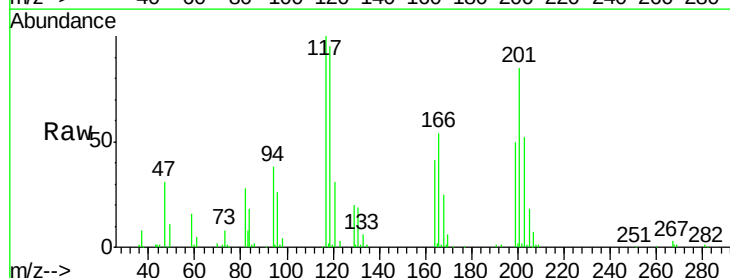
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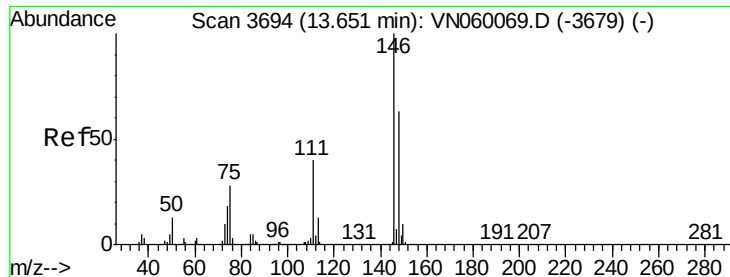
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#90
Hexachloroethane
Concen: 45.382 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		81023		
201	83.9	41.7		125.1	





#91

1,2-Dichlorobenzene

Concen: 46.474 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

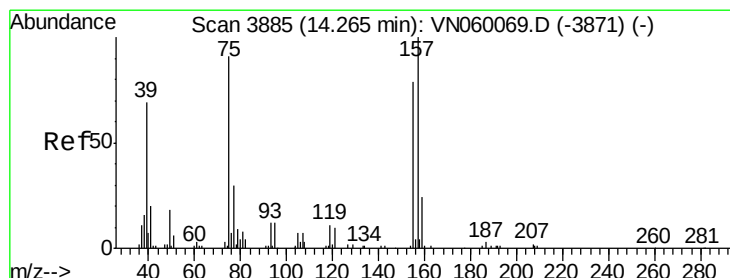
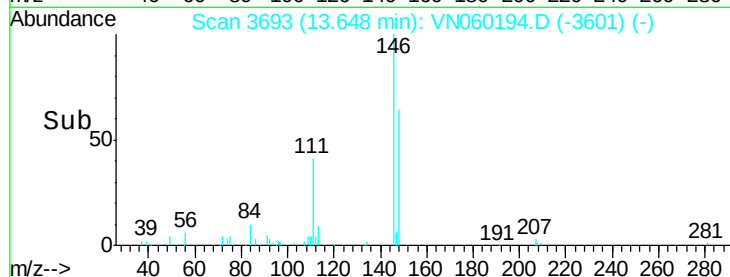
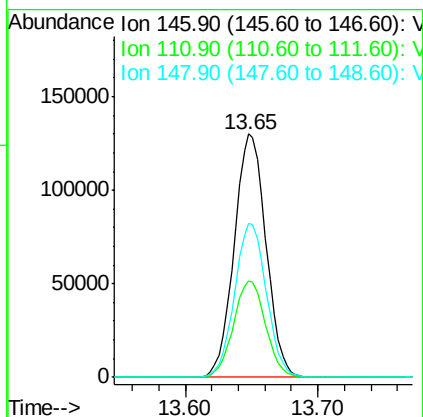
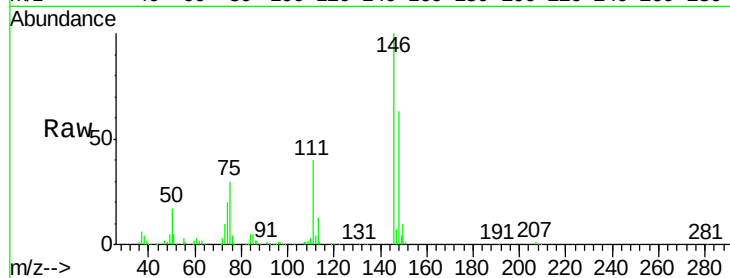
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	216344
Ion Ratio		Lower	Upper
146	100		
111	40.0	20.1	60.2
148	63.4	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 42.166 ug/l

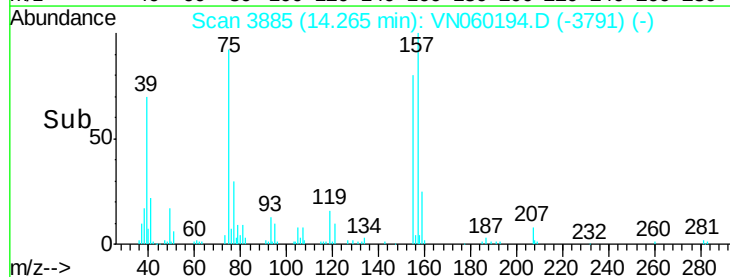
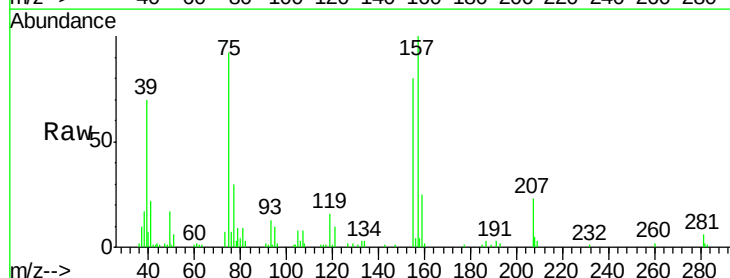
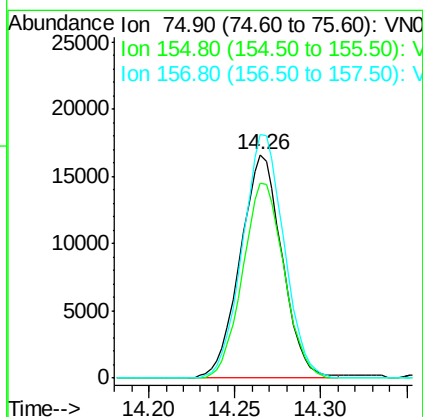
RT: 14.26 min Scan# 3885

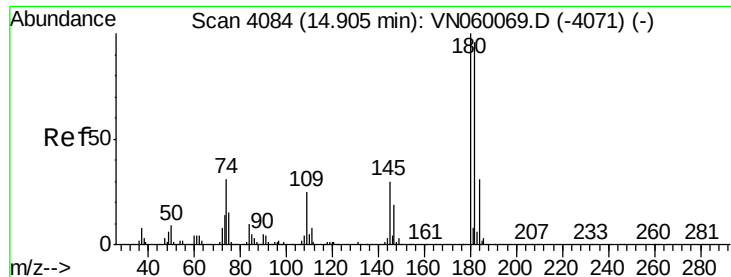
Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Tgt Ion:	75	Resp:	28024
Ion Ratio		Lower	Upper
75	100		
155	86.0	43.0	129.0
157	107.9	54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 47.963 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060194.D

Acq: 21 Feb 2020 17:43

Instrument :

MSVOA_N

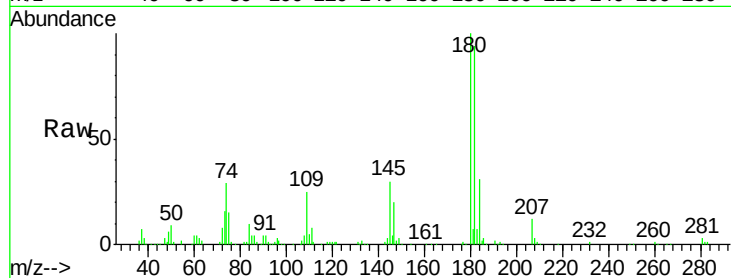
ClientSampleId :

VSTDCCC050EC

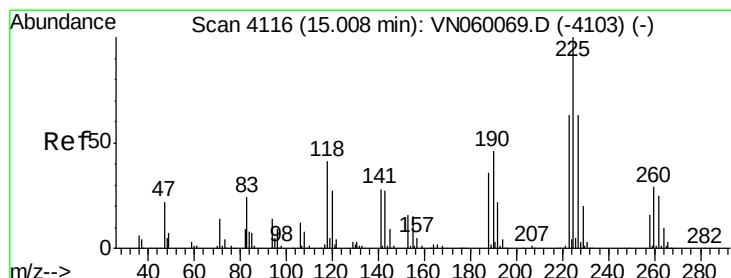
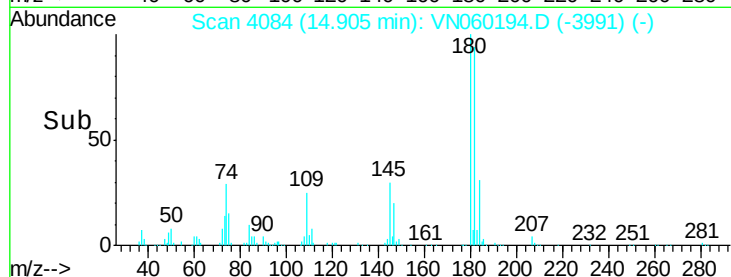
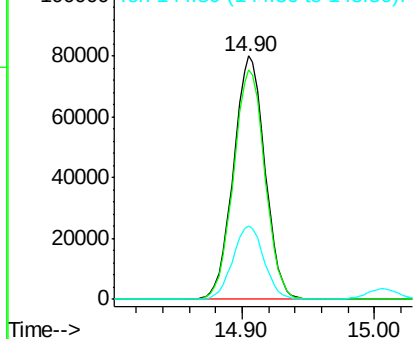
Tot Ion:	180	Resp:	131190
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.9	143.8
145	30.0	15.2	45.5

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



#94

Hexachlorobutadiene

Concen: 42.950 ug/l

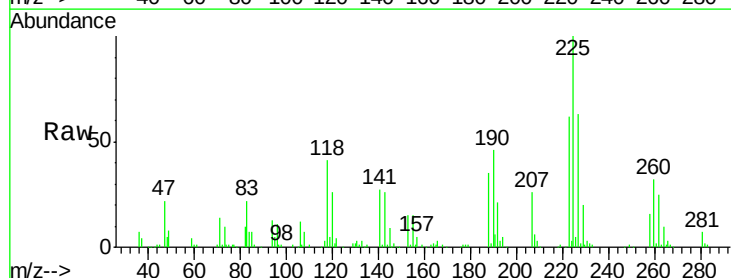
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

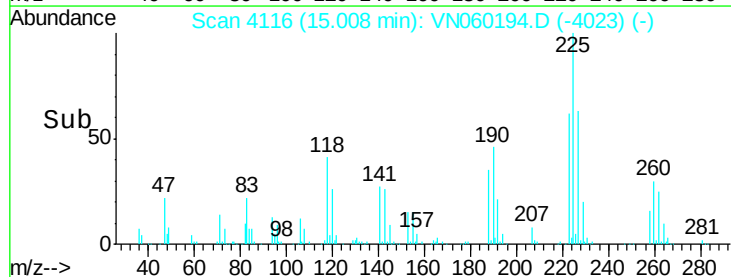
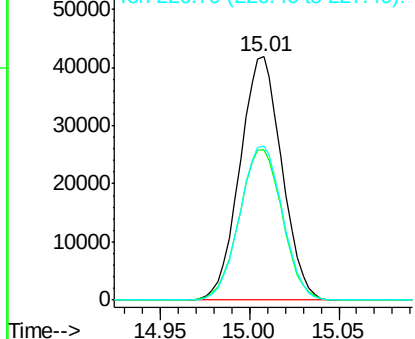
Lab File: VN060194.D

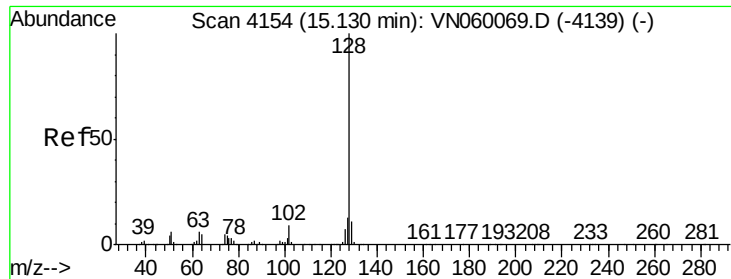
Acq: 21 Feb 2020 17:43

Tgt Ion:	225	Resp:	68775
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.5	94.5
227	64.6	31.8	95.4



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





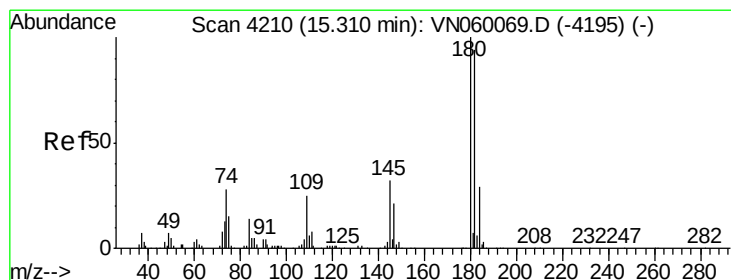
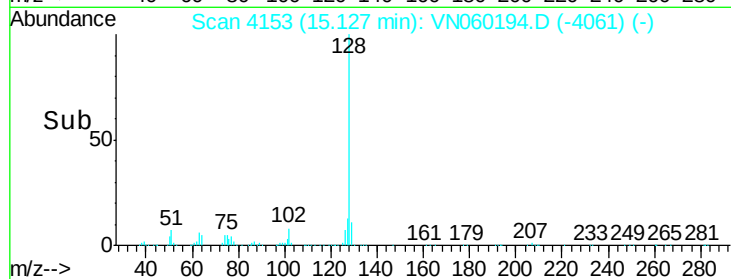
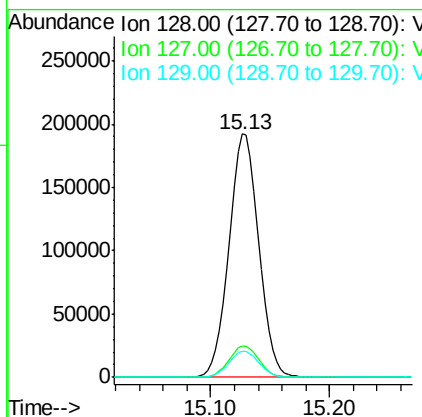
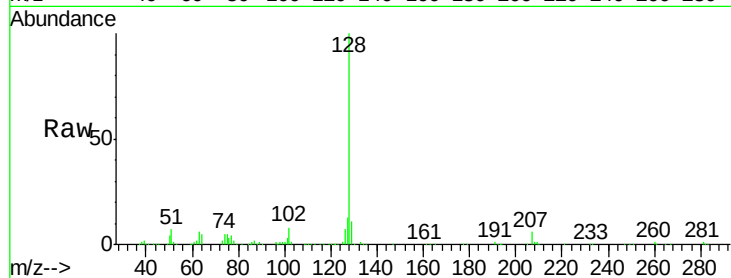
#95
Naphthalene
Concen: 45.010 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:38:37 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.770 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060194.D
Acq: 21 Feb 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.5	142.5
145	31.7	16.1	48.3

