

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061473.D
 Acq On : 19 May 2020 10:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:24:07 PM

Quant Time: May 19 12:03:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	514278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	494066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	238219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	203047	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.55	113	130208	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.06	98	622671	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.38	95	240207	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104328	46.746	ug/l	99
3) Chloromethane	2.03	50	162051	44.518	ug/l	100
4) Vinyl Chloride	2.16	62	243996	46.835	ug/l	99
5) Bromomethane	2.53	94	137013	52.183	ug/l	100
6) Chloroethane	2.67	64	160923	45.893	ug/l	99
7) Trichlorofluoromethane	2.98	101	302399	47.812	ug/l	97
8) Diethyl Ether	3.37	74	87463	47.476	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124050	47.165	ug/l	99
10) Methyl Iodide	3.91	142	149423	46.774	ug/l	99
11) Tert butyl alcohol	4.73	59	134860	292.182	ug/l	99
12) 1,1-Dichloroethene	3.69	96	127735	46.428	ug/l	90
13) Acrolein	3.56	56	74612	224.610	ug/l	93
14) Allyl chloride	4.27	41	201305	44.960	ug/l	98
15) Acrylonitrile	4.93	53	339652	248.382	ug/l	99
16) Acetone	3.77	43	265285	259.288	ug/l	100
17) Carbon Disulfide	4.01	76	280961	47.429	ug/l	100
18) Methyl Acetate	4.27	43	135763	49.407	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	517092	49.527	ug/l	99
20) Methylene Chloride	4.50	84	157175	47.742	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	150745	47.517	ug/l	99
22) Diisopropyl ether	5.90	45	477707	47.479	ug/l	99
23) Vinyl Acetate	5.84	43	1942119	242.737	ug/l	98
24) 1,1-Dichloroethane	5.80	63	285806	48.701	ug/l	99
25) 2-Butanone	6.78	43	440250	241.381	ug/l	98
26) 2,2-Dichloropropane	6.77	77	181611	32.463	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	189016	50.439	ug/l	93
28) Bromochloromethane	7.15	49	137289	55.114	ug/l	93
29) Tetrahydrofuran	7.17	42	288763	239.060	ug/l	96
30) Chloroform	7.33	83	314206	51.262	ug/l	99
31) Cyclohexane	7.61	56	237590	45.745	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	279857	49.965	ug/l	99
36) 1,1-Dichloropropene	7.75	75	223424	46.462	ug/l	99
37) Ethyl Acetate	6.88	43	194510	44.602	ug/l	99
38) Carbon Tetrachloride	7.73	117	212730	48.043	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	237978	40.518	ug/l	96
40) Benzene	8.00	78	694541	47.927	ug/l	99
41) Methacrylonitrile	7.12	41	83221	45.182	ug/l	91
42) 1,2-Dichloroethane	8.09	62	246751	47.261	ug/l	100
43) Isopropyl Acetate	8.13	43	348272	45.788	ug/l #	91
44) Trichloroethene	8.80	130	188463	49.633	ug/l	97
45) 1,2-Dichloropropane	9.09	63	174550	48.122	ug/l	98
46) Dibromomethane	9.18	93	125441	49.331	ug/l	98
47) Bromodichloromethane	9.37	83	258751	48.296	ug/l	98
48) Methyl methacrylate	9.17	41	156680	44.591	ug/l	97
49) 1,4-Dioxane	9.17	88	51890	1419.894	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	992533	239.542	ug/l	99
52) Toluene	10.12	92	461330	49.586	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	270054	45.989	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	283782	45.462	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	176448	50.164	ug/l	99
56) Ethyl methacrylate	10.40	69	274554	49.927	ug/l	96
57) 1,3-Dichloropropane	10.68	76	298719	49.141	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	596228	247.011	ug/l	97
59) 2-Hexanone	10.72	43	714432	238.323	ug/l	98
60) Dibromochloromethane	10.87	129	198608	51.045	ug/l	99
61) 1,2-Dibromoethane	10.98	107	188209	50.890	ug/l	99
64) Tetrachloroethene	10.60	164	175614	45.944	ug/l	99
65) Chlorobenzene	11.41	112	482318	47.872	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	178148	49.322	ug/l	99
67) Ethyl Benzene	11.48	91	886842	48.221	ug/l	98
68) m/p-Xylenes	11.60	106	687989	98.555	ug/l	98
69) o-Xylene	11.92	106	326171	48.283	ug/l	99
70) Styrene	11.94	104	564586	50.469	ug/l	99
71) Bromoform	12.10	173	130596	46.638	ug/l #	99
73) Isopropylbenzene	12.22	105	851521	44.526	ug/l	99
74) N-amyl acetate	12.04	43	311300	44.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	242432	46.076	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	225888m	44.191	ug/l	
77) Bromobenzene	12.50	156	198717	47.879	ug/l	96
78) n-propylbenzene	12.56	91	955149	43.834	ug/l	99
79) 2-Chlorotoluene	12.65	91	578370	44.906	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	710196	45.355	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	77739	40.344	ug/l	98
82) 4-Chlorotoluene	12.75	91	615731	46.170	ug/l	100
83) tert-Butylbenzene	12.97	119	583239	43.484	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	717085	45.759	ug/l	98
85) sec-Butylbenzene	13.15	105	750742	41.393	ug/l	100
86) p-Isopropyltoluene	13.26	119	683582	42.445	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	360798	47.500	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	363995	47.850	ug/l	98
89) n-Butylbenzene	13.59	91	573403	39.190	ug/l	99
90) Hexachloroethane	13.85	117	92859	42.543	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	347911	47.750	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49882	46.933	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	176856	44.766	ug/l	99
94) Hexachlorobutadiene	14.99	225	61915	35.272	ug/l	99
95) Naphthalene	15.10	128	628425	50.035	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	173229	44.046	ug/l	99

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

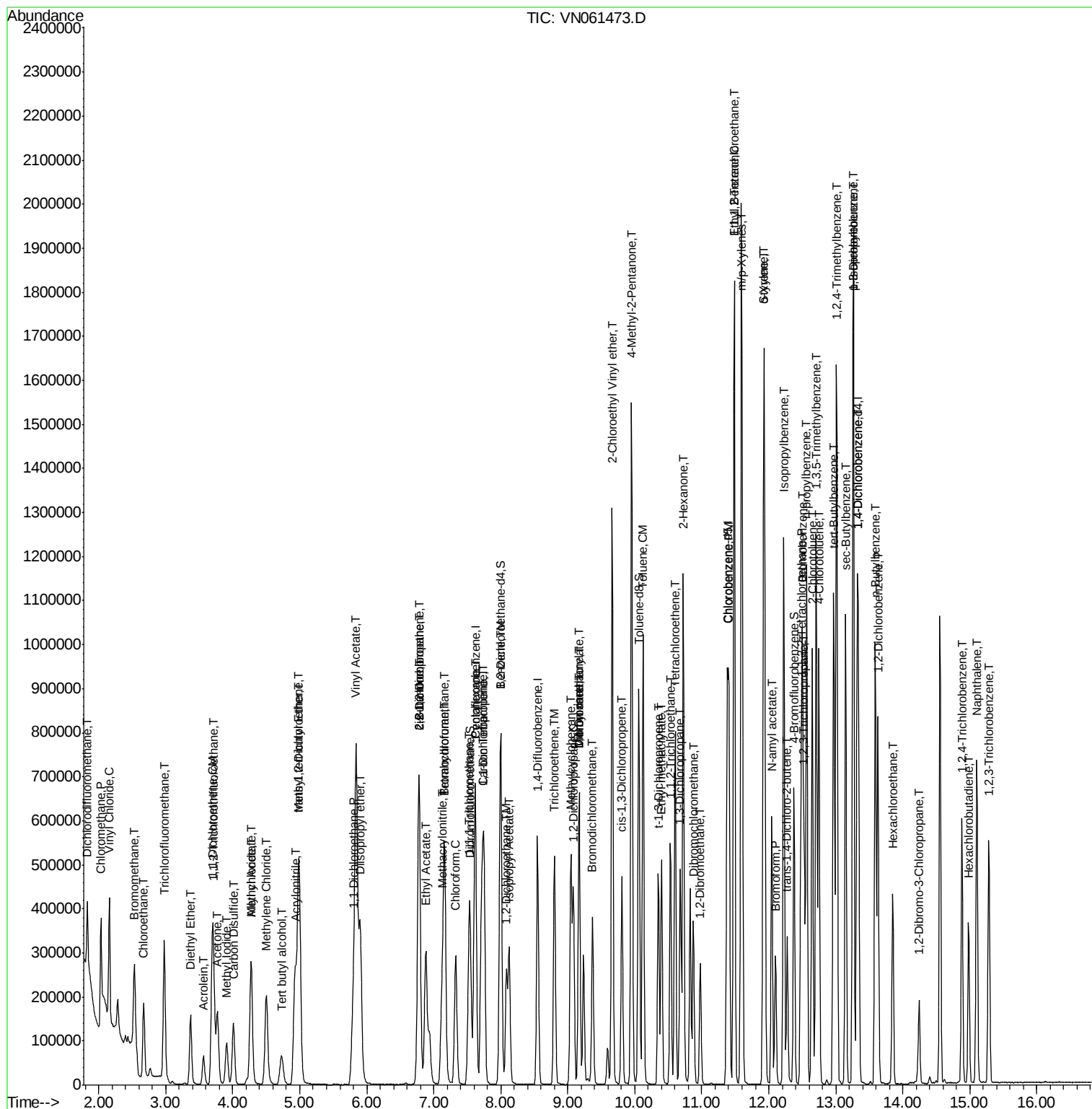
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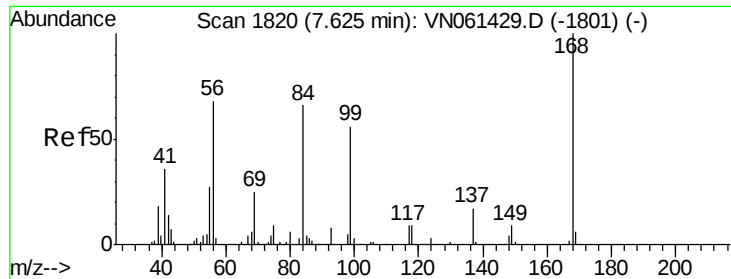
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 268405

Ion Ratio Lower Upper

168 100

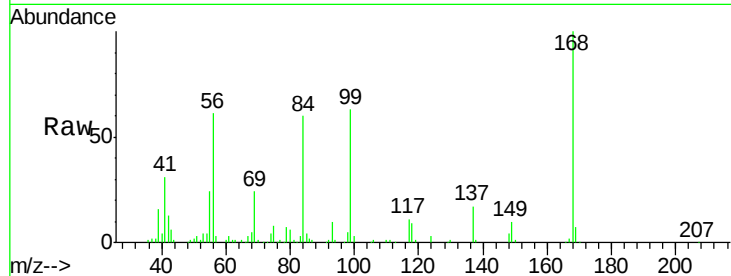
99 62.4 51.1 76.7

Manual Integrations

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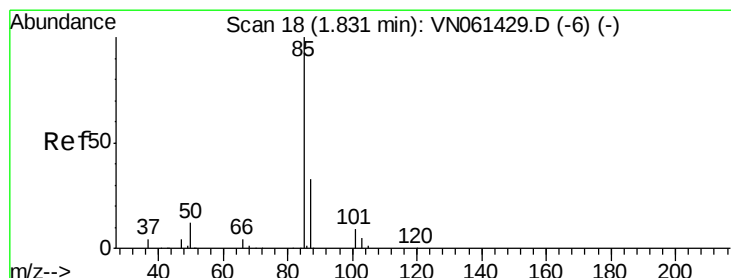
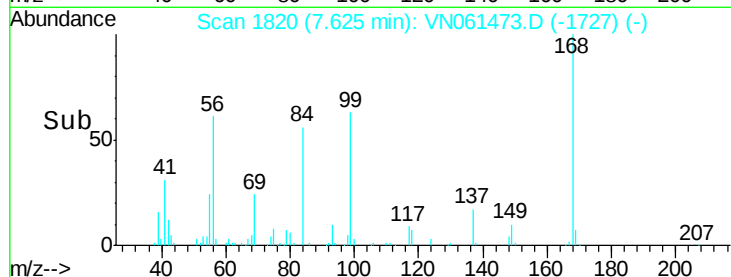
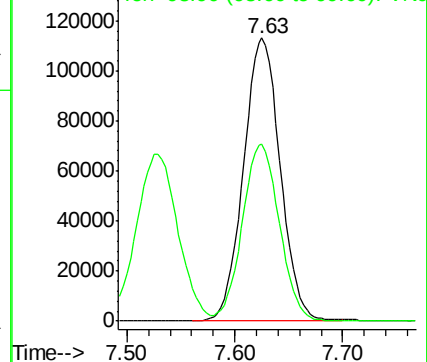
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.746 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061473.D

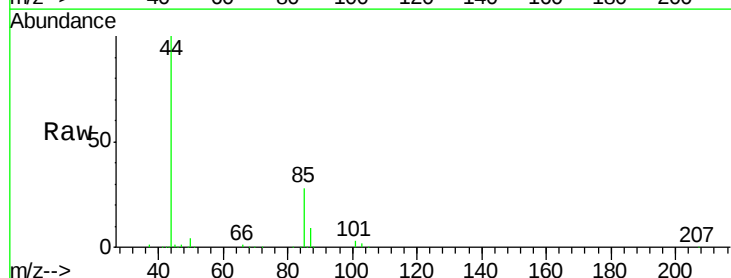
Acq: 19 May 2020 10:26

Tgt Ion: 85 Resp: 104328

Ion Ratio Lower Upper

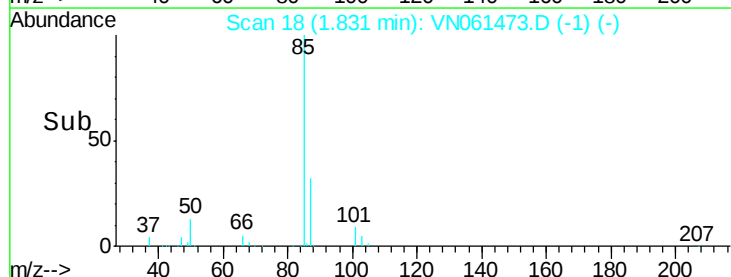
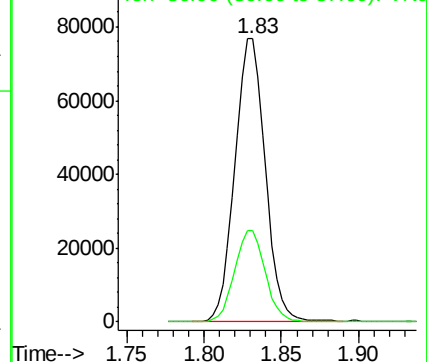
85 100

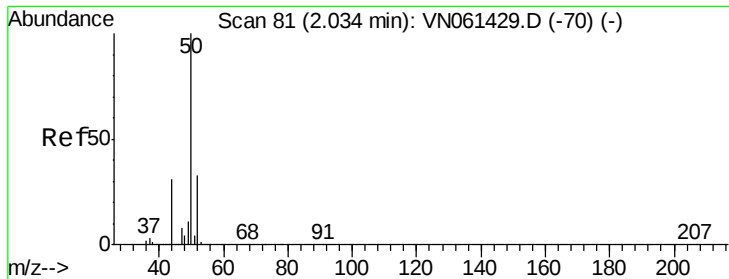
87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.518 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 162051

Ion Ratio Lower Upper

50 100

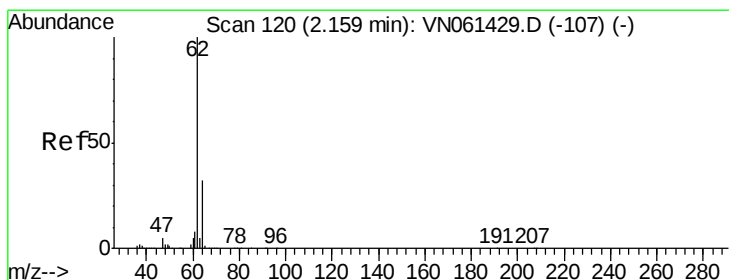
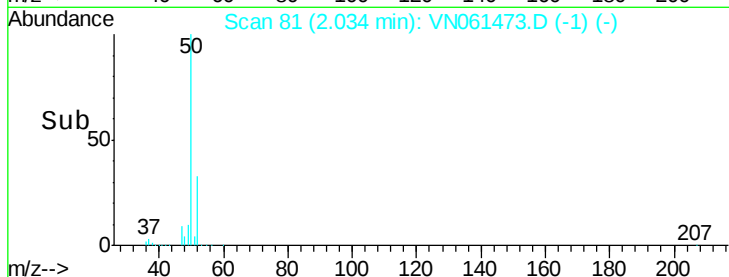
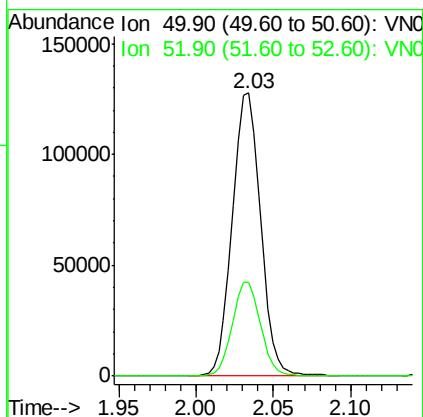
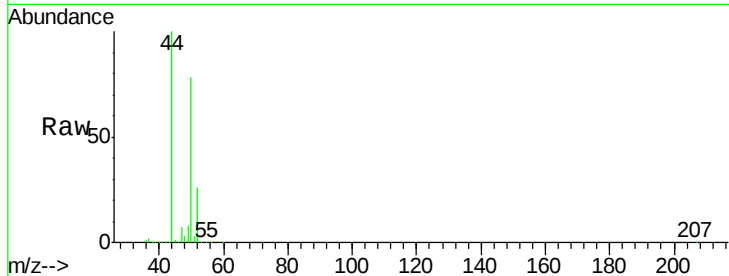
52 33.4 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.835 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061473.D

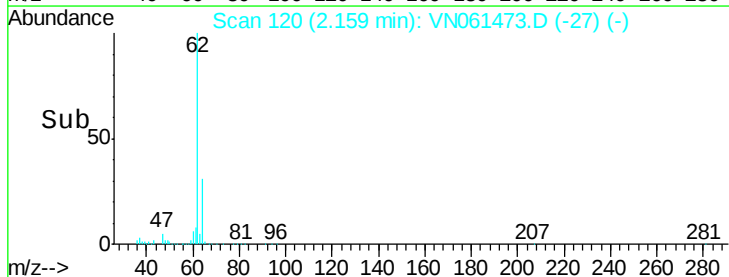
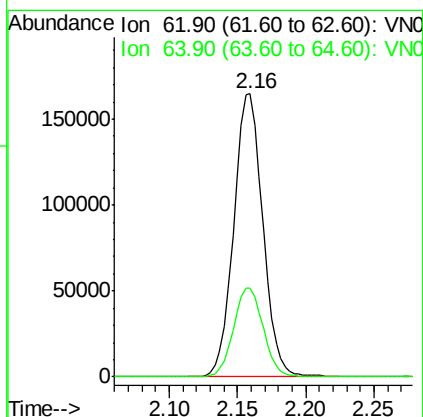
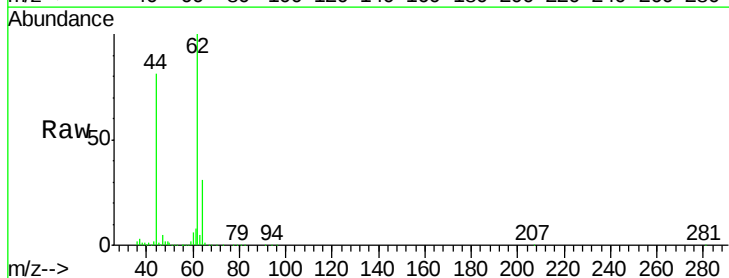
Acq: 19 May 2020 10:26

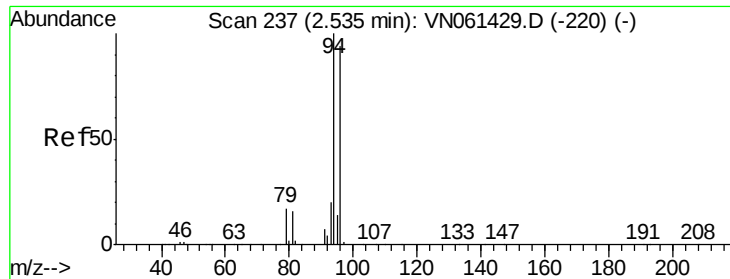
Tgt Ion: 62 Resp: 243996

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 52.183 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

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Tot Ion: 94 Resp: 137013

Ion Ratio Lower Upper

94 100

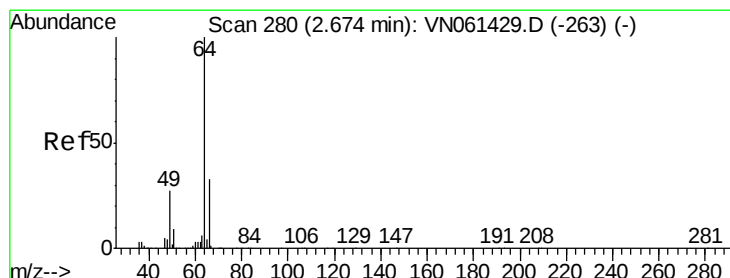
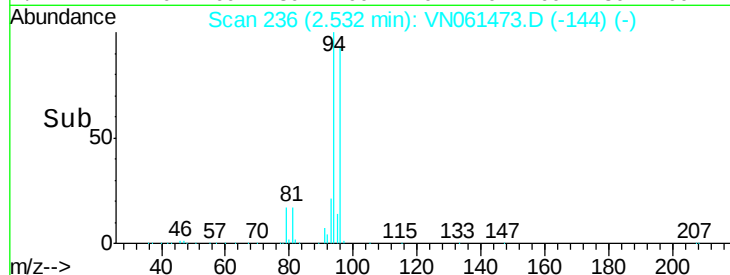
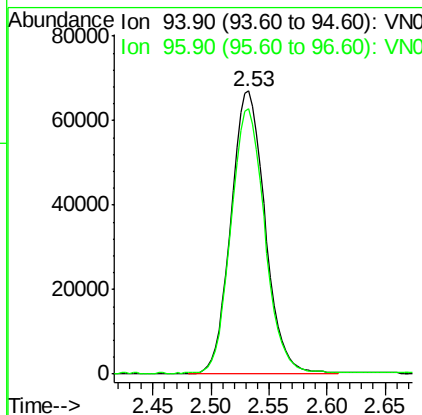
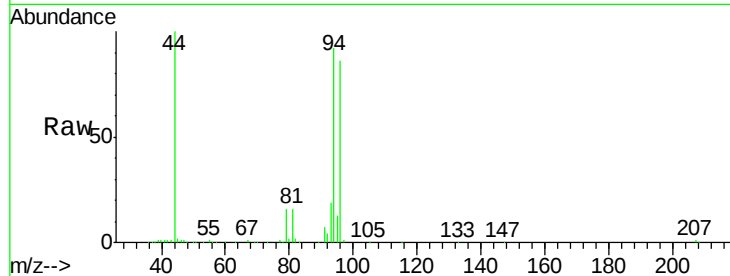
96 93.2 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 45.893 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061473.D

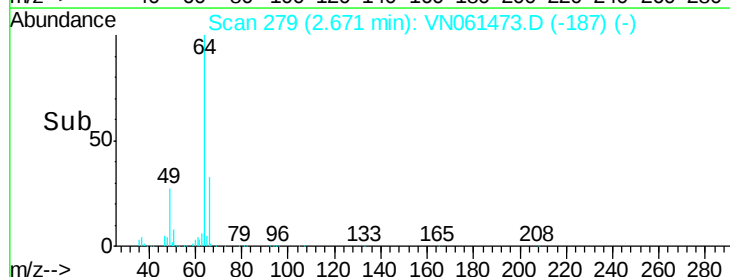
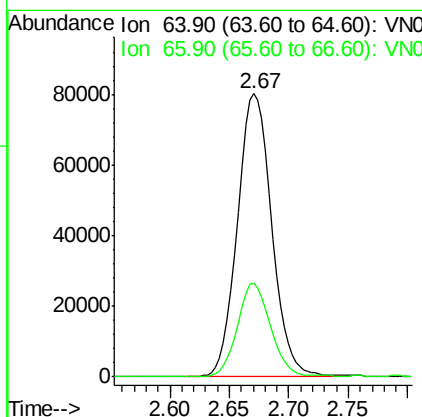
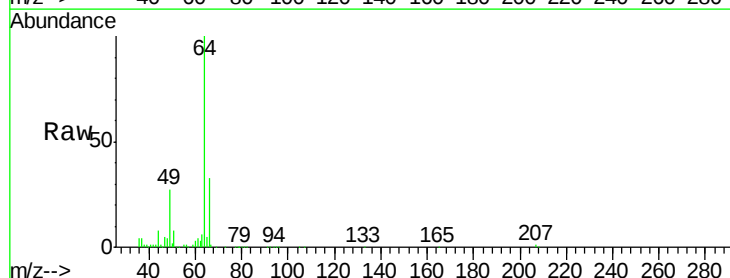
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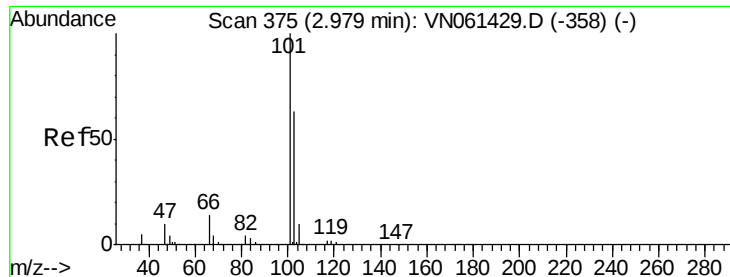
Tgt Ion: 64 Resp: 160923

Ion Ratio Lower Upper

64 100

66 33.2 26.3 39.5





#7

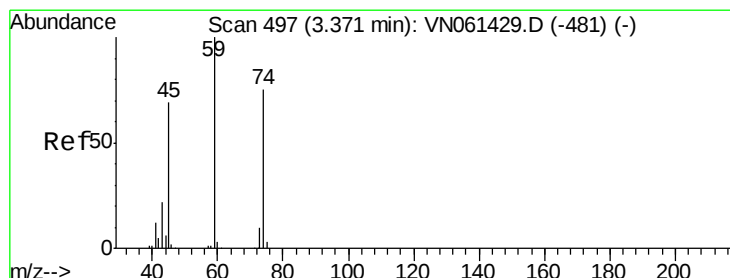
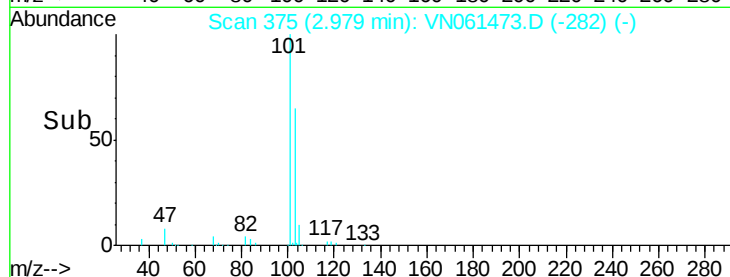
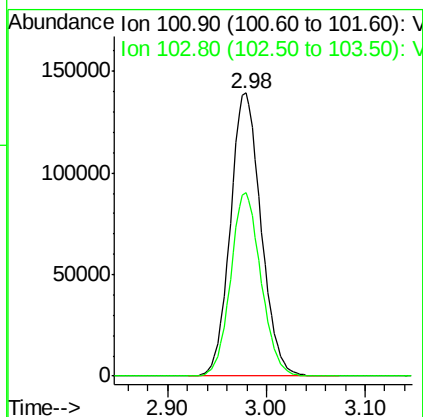
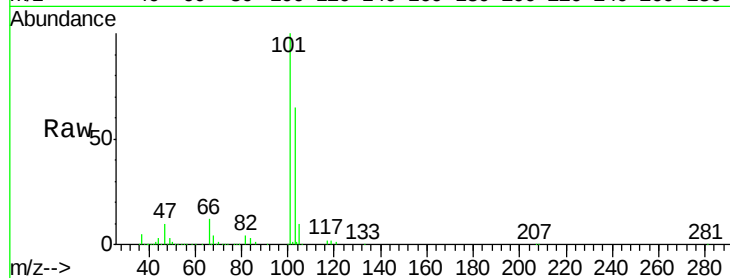
Trichlorofluoromethane
Concen: 47.812 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.2	75.4

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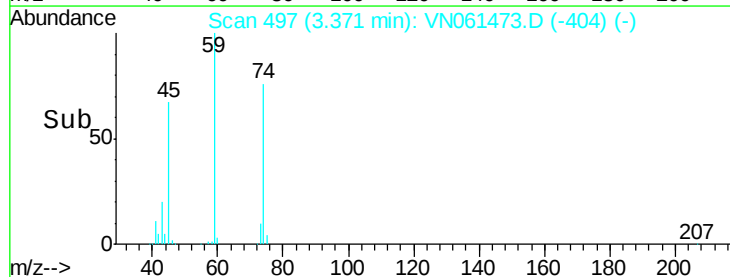
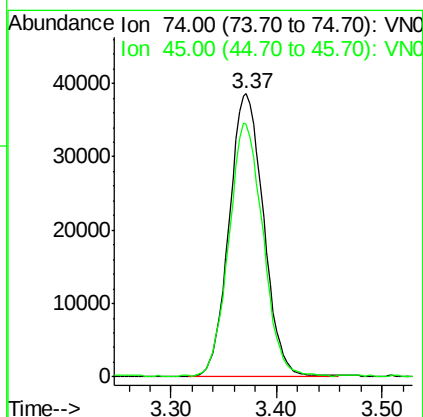
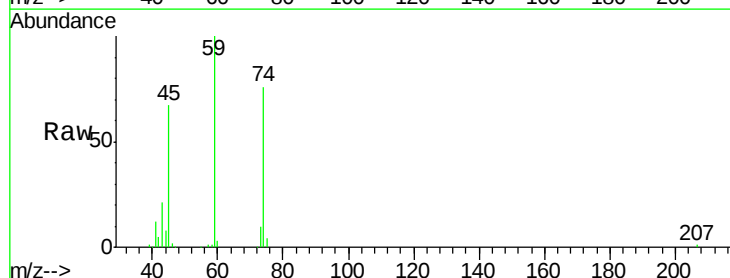
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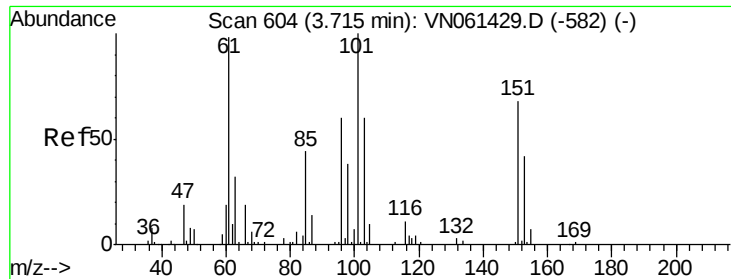


#8

Diethyl Ether
Concen: 47.476 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061473.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.9	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.165 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

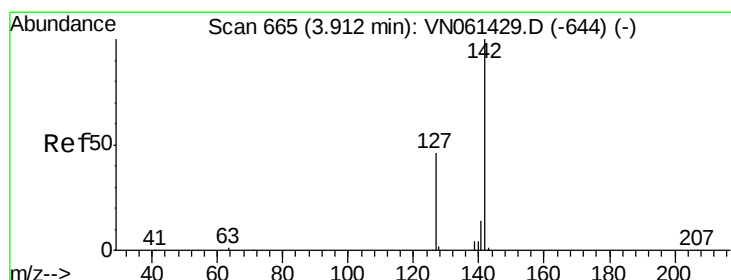
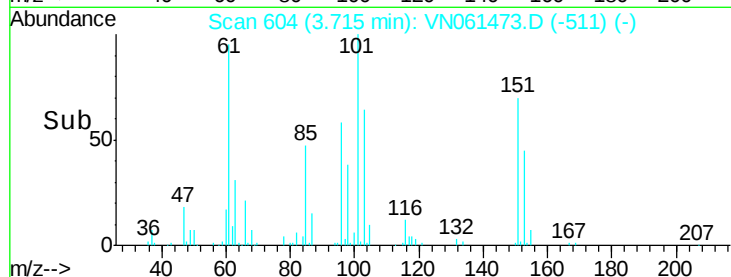
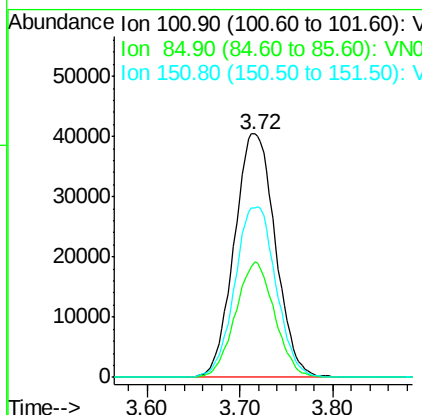
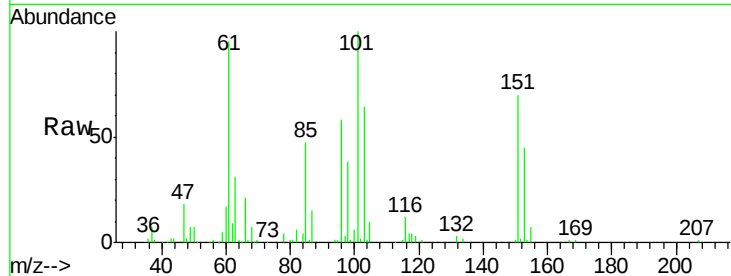
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	124050
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	70.1	56.3	84.5

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#10

Methyl Iodide

Concen: 46.774 ug/l

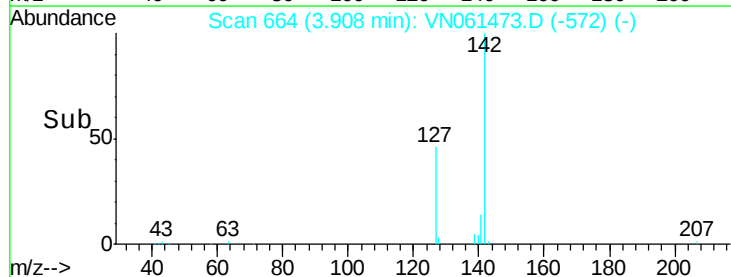
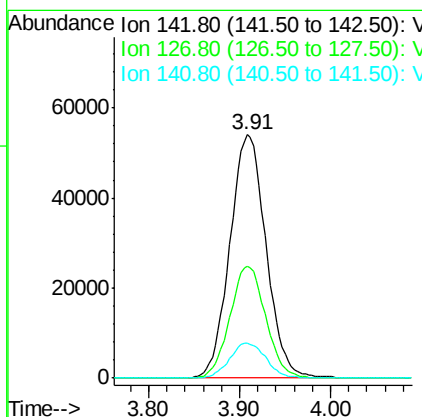
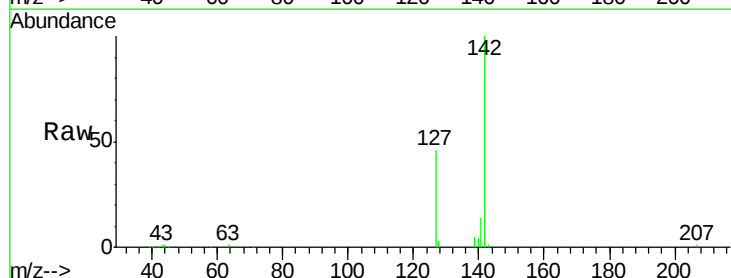
RT: 3.91 min Scan# 664

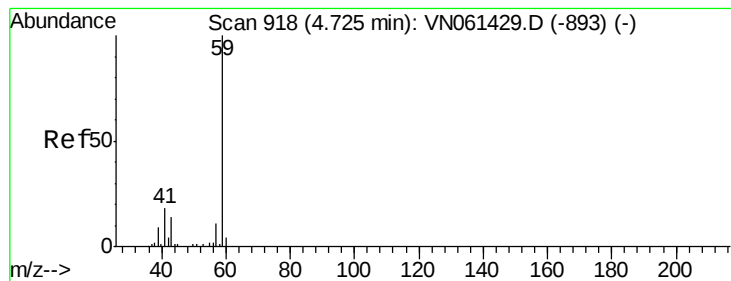
Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	142	Resp:	149423
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.7	55.1
141	14.3	11.5	17.3





#11

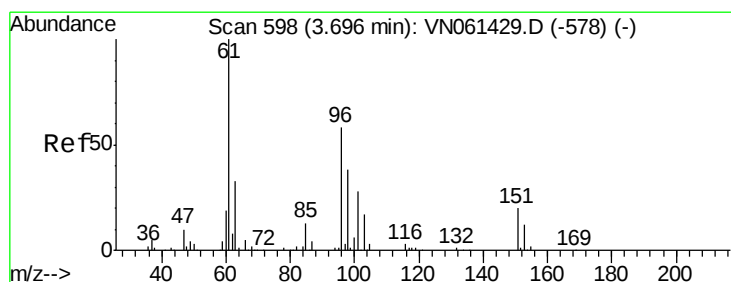
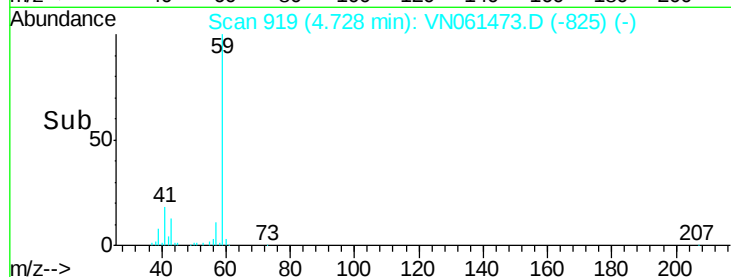
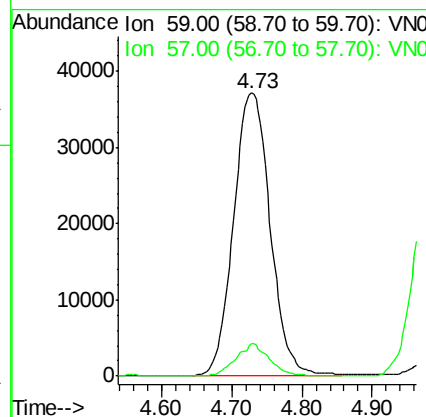
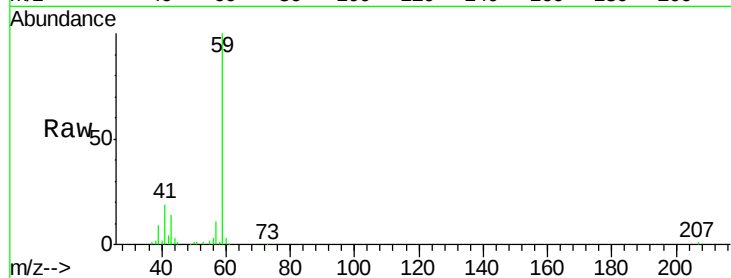
Tert butyl alcohol
Concen: 292.182 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

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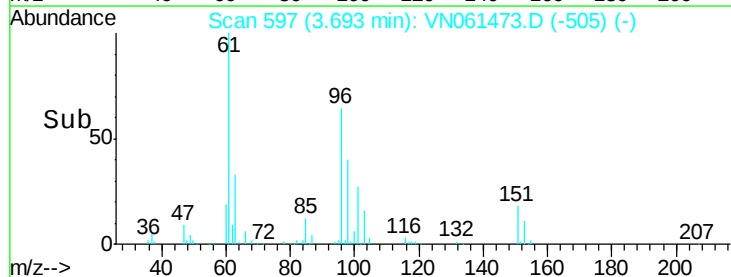
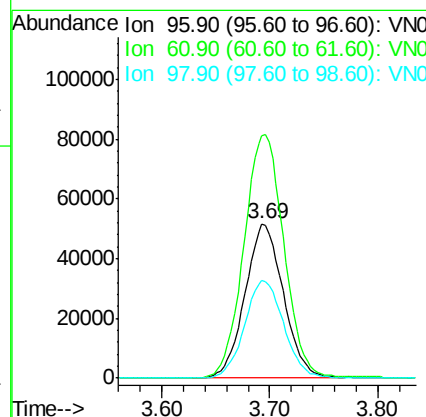
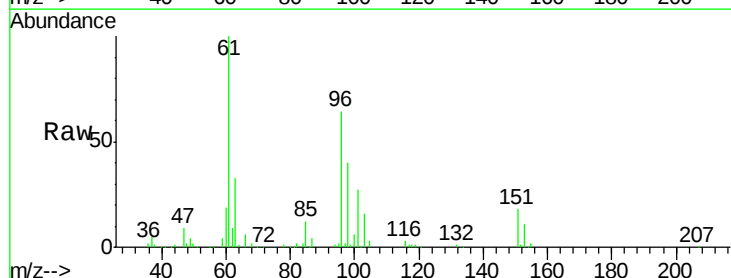
MMDadoda
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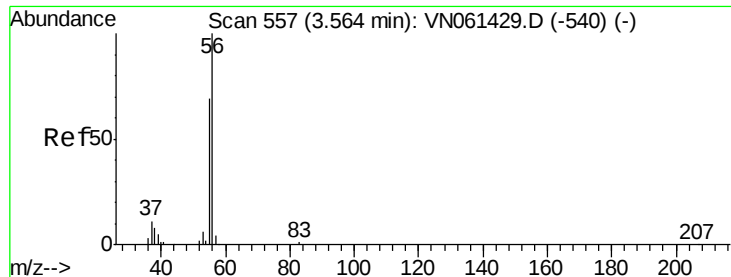


#12

1,1-Dichloroethene
Concen: 46.428 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	138.7	208.1
98	63.0	53.0	79.6





#13

Acrolein

Concen: 224.610 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 74612

Ion Ratio Lower Upper

56 100

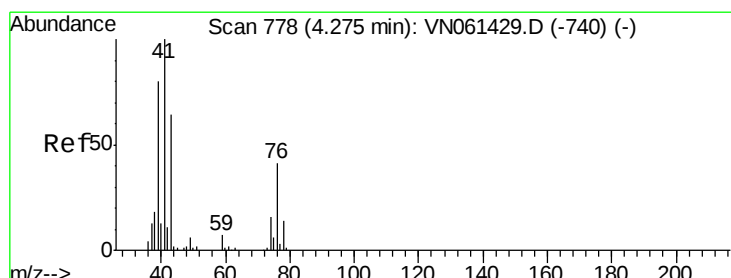
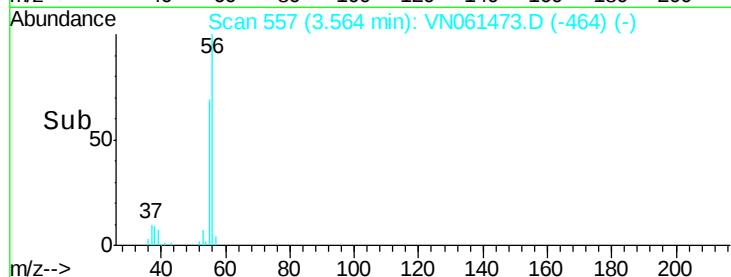
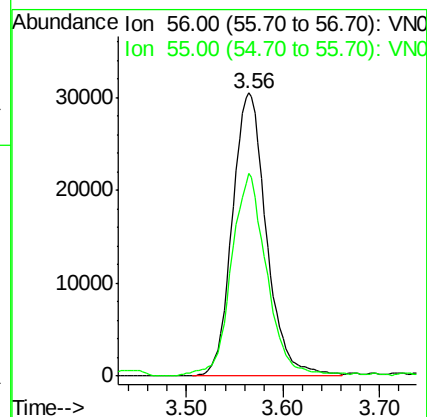
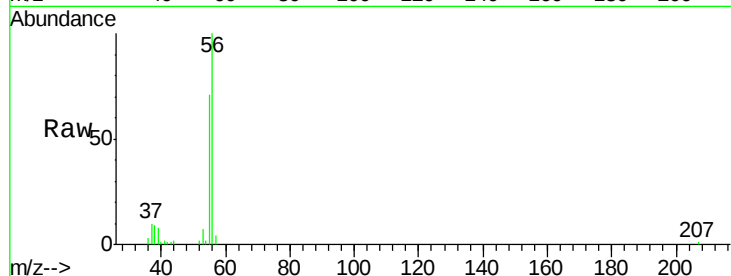
55 73.8 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 44.960 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

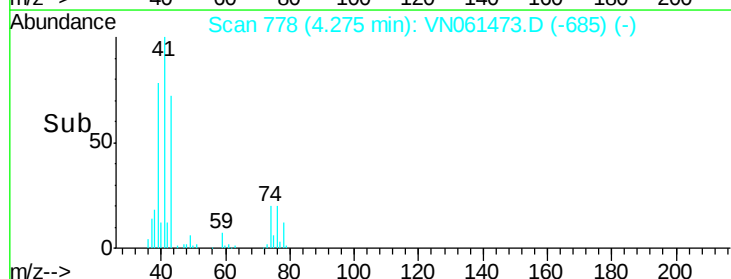
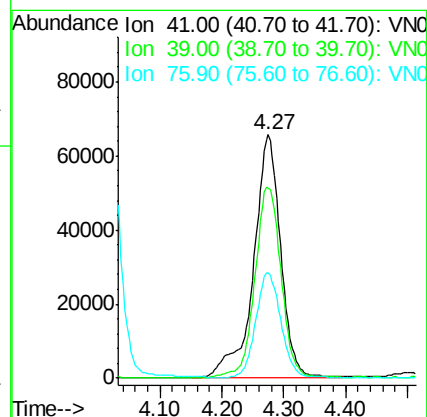
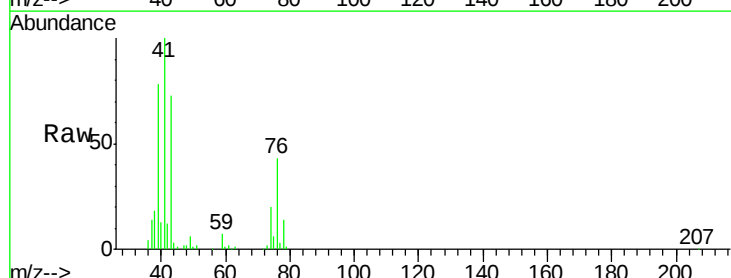
Tgt Ion: 41 Resp: 201305

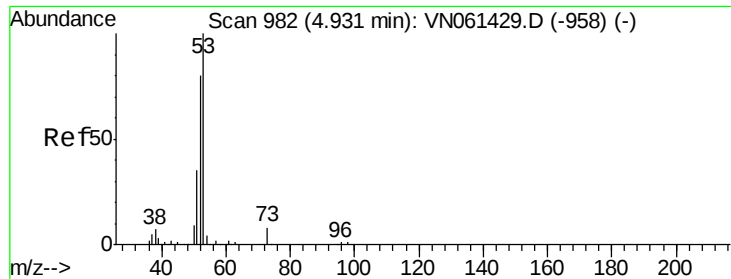
Ion Ratio Lower Upper

41 100

39 75.8 61.2 91.8

76 39.9 29.9 44.9





#15

Acrylonitrile

Concen: 248.382 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

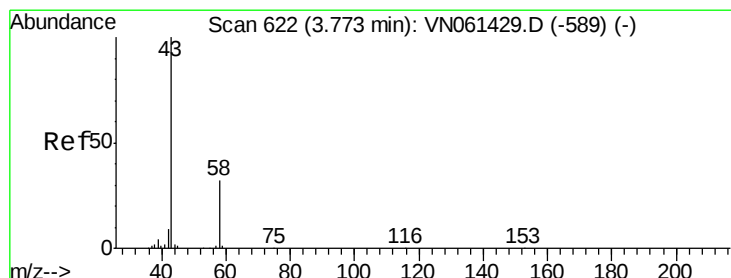
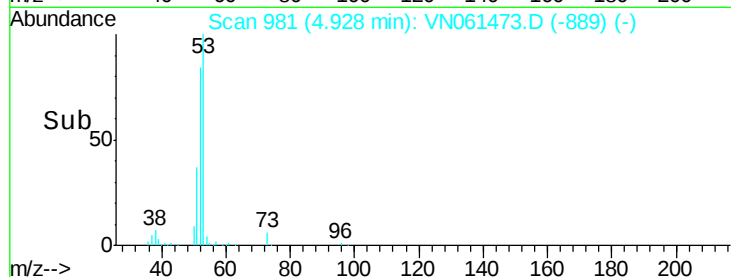
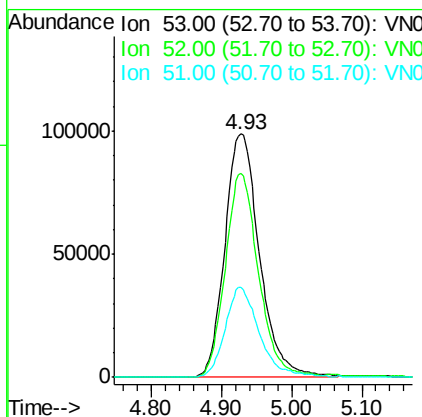
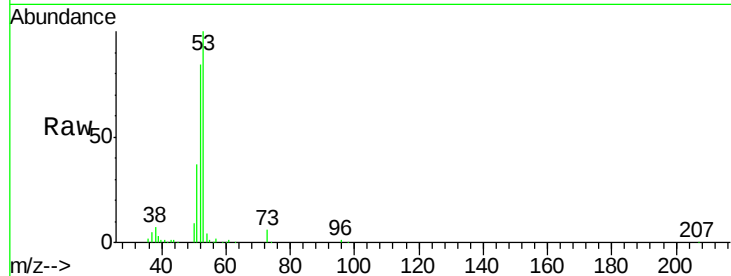
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	339652
Ion Ratio		Lower	Upper
53	100		
52	80.5	64.7	97.1
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 259.288 ug/l

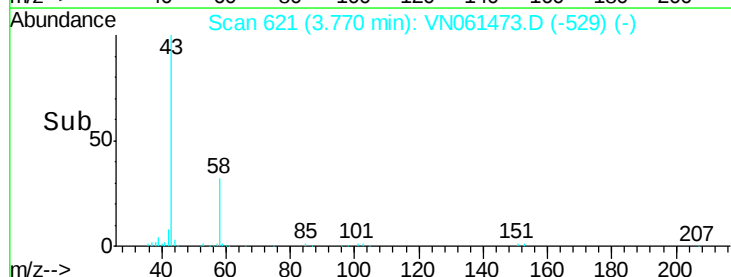
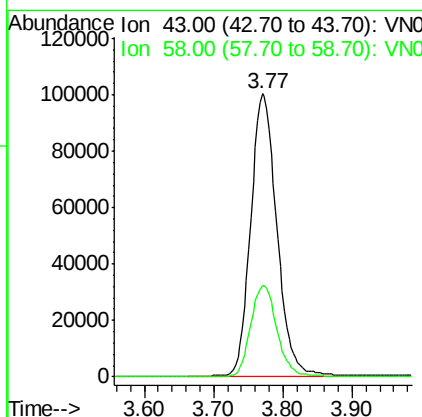
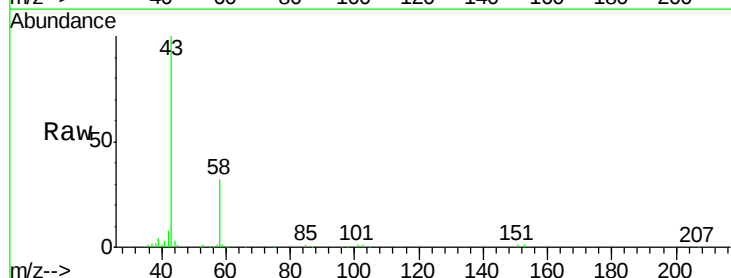
RT: 3.77 min Scan# 621

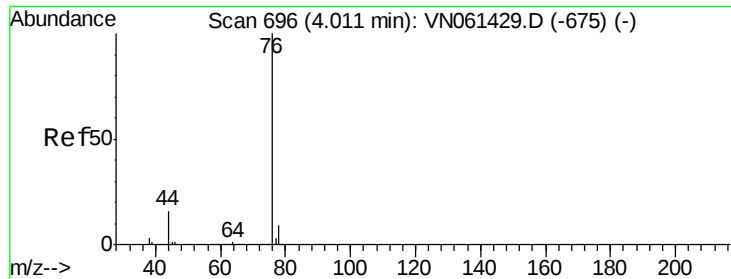
Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	43	Resp:	265285
Ion Ratio		Lower	Upper
43	100		
58	32.2	25.6	38.4





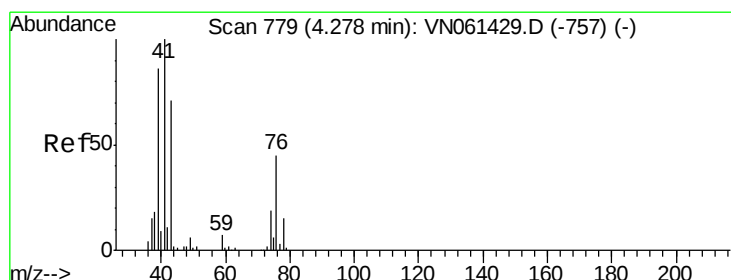
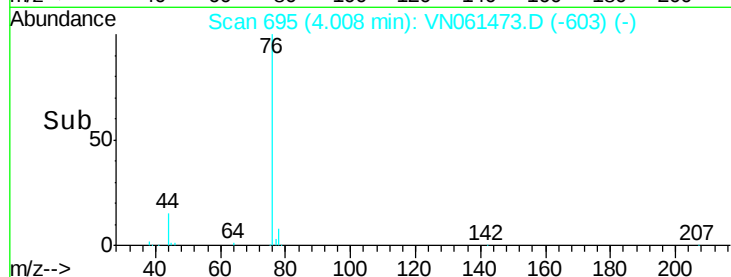
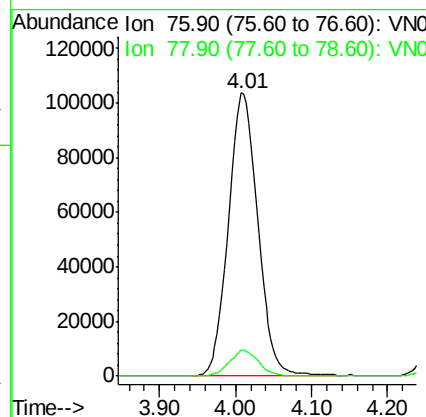
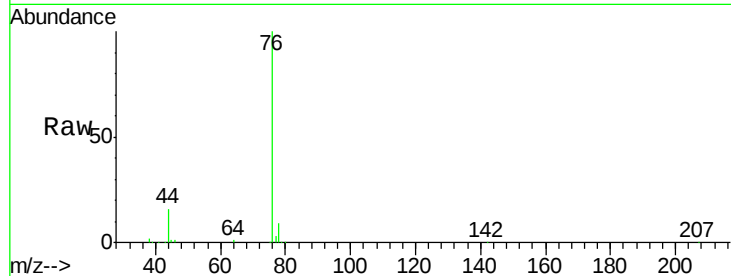
#17
Carbon Disulfide
Concen: 47.429 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

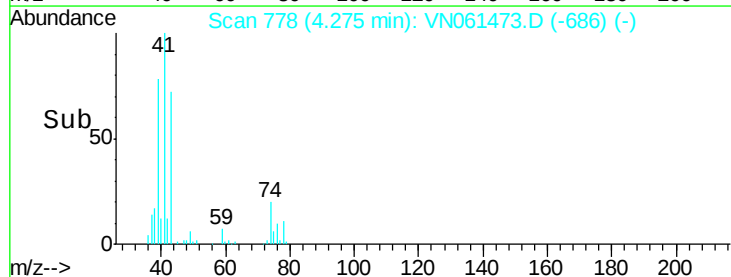
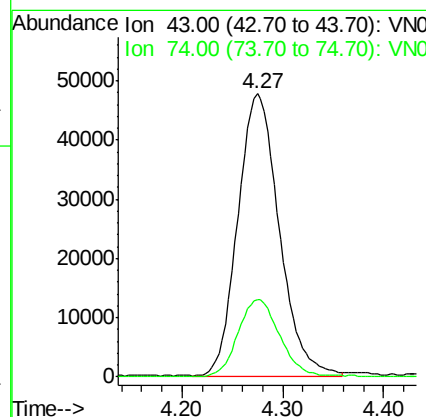
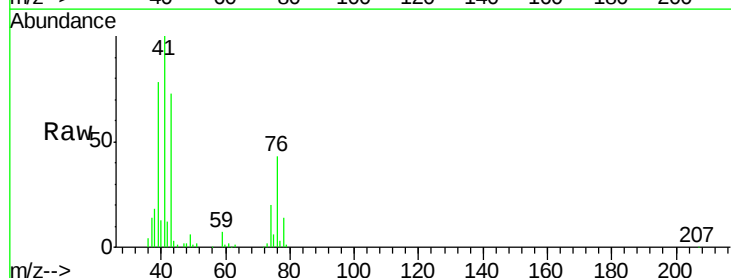
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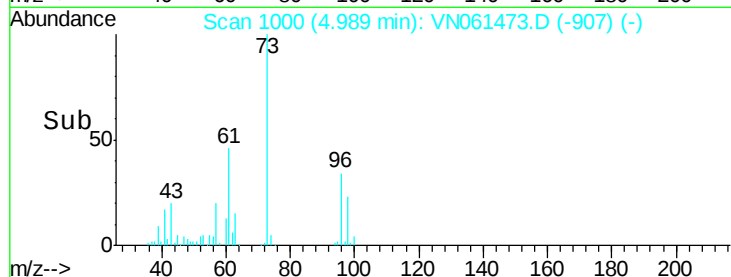
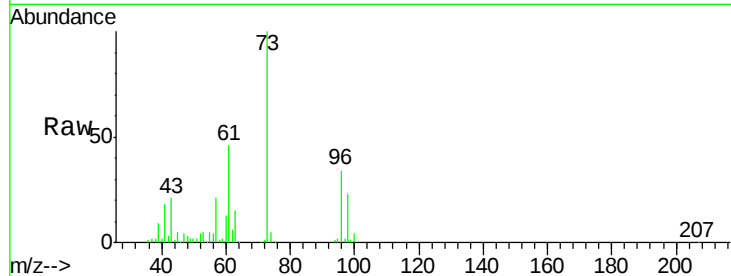
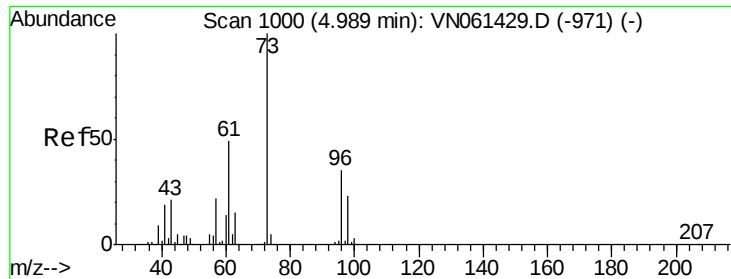
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#18
Methyl Acetate
Concen: 49.407 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	20.8	31.2





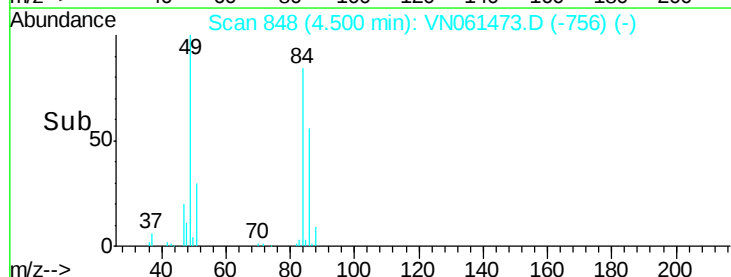
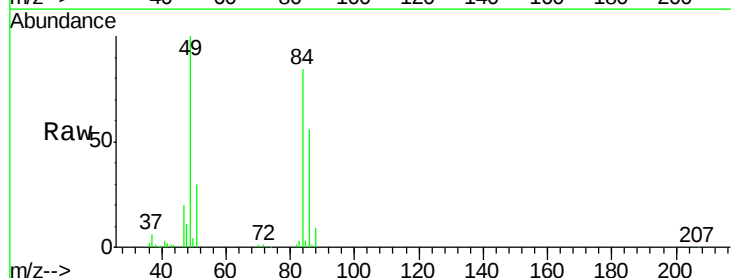
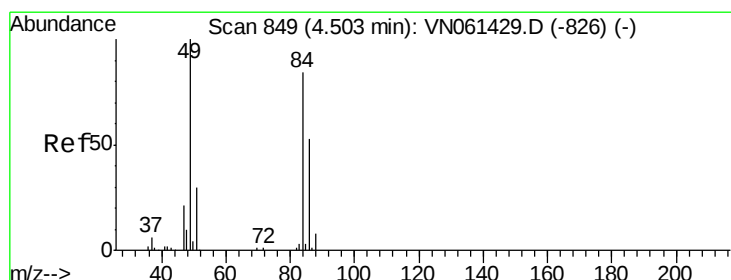
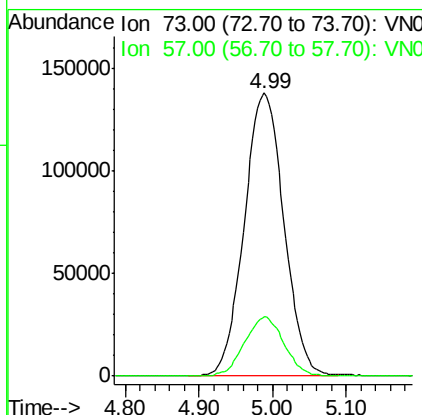
#19
Methyl tert-butyl Ether
Concen: 49.527 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tot Ion: 73 Resp: 517092
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

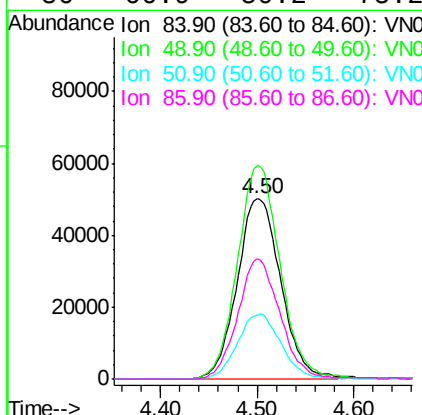
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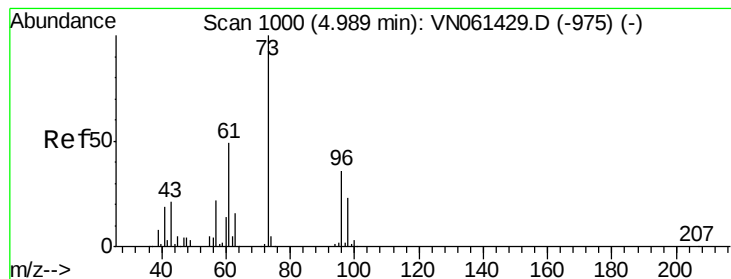
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#20
Methylene Chloride
Concen: 47.742 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 84 Resp: 157175
Ion Ratio Lower Upper
84 100
49 118.7 95.3 142.9
51 35.4 29.0 43.6
86 66.9 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 47.517 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 150745

Ion Ratio Lower Upper

96 100

61 136.7 109.8 164.6

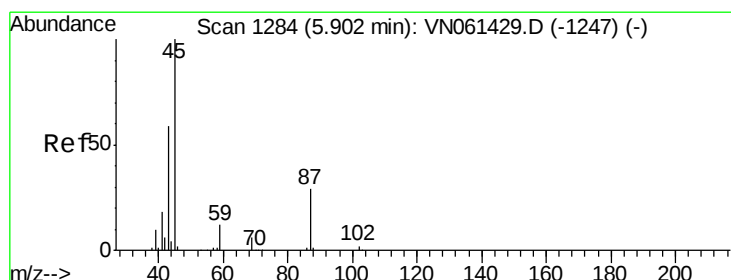
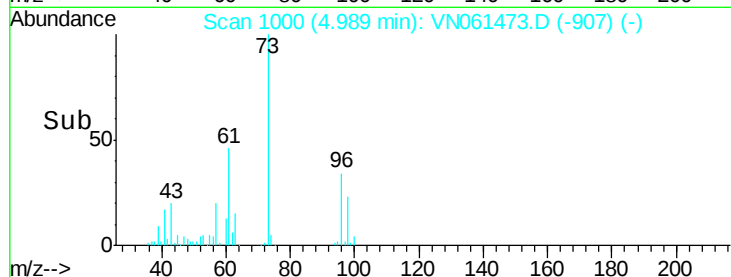
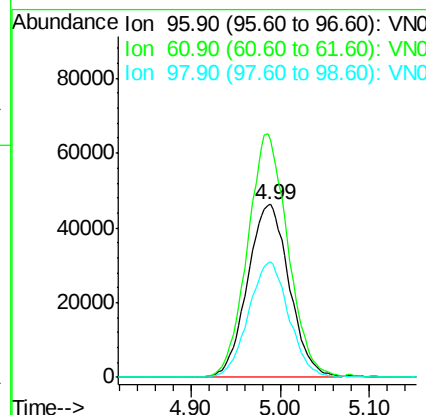
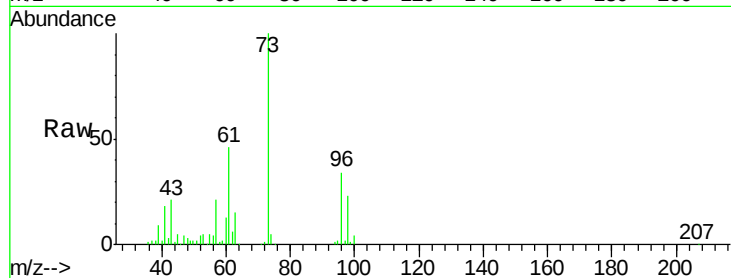
98 67.2 52.4 78.6

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#22

Diisopropyl ether

Concen: 47.479 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion: 45 Resp: 477707

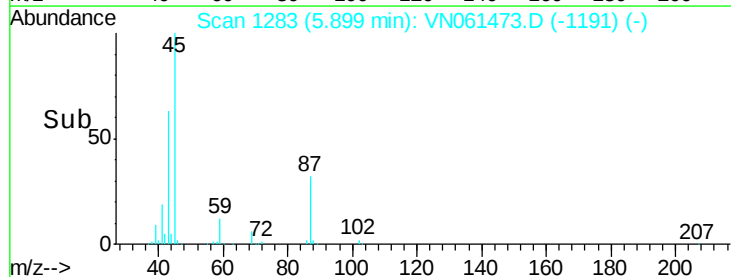
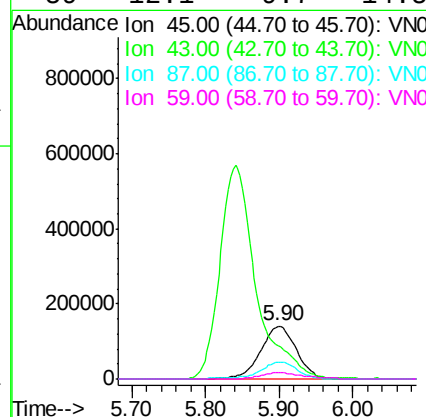
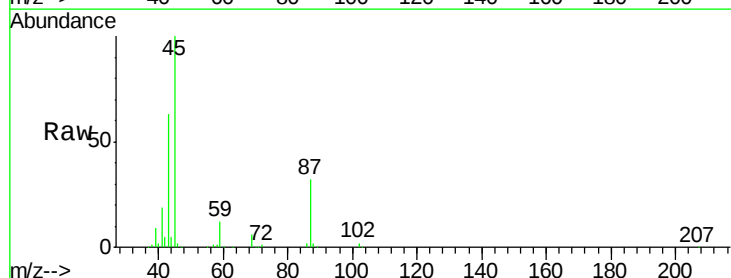
Ion Ratio Lower Upper

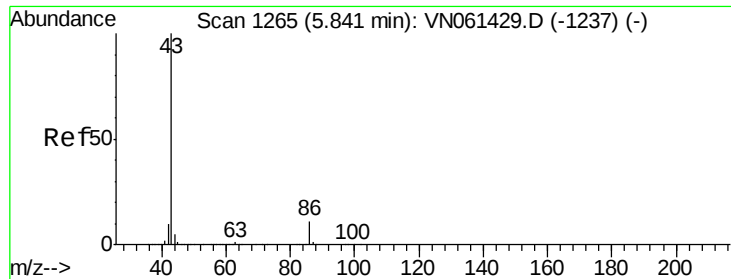
45 100

43 60.7 47.9 71.9

87 31.4 24.0 36.0

59 12.1 9.7 14.5





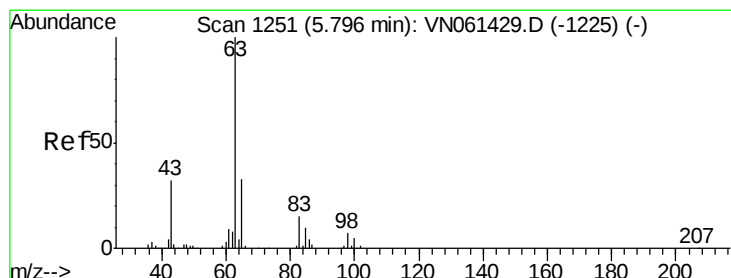
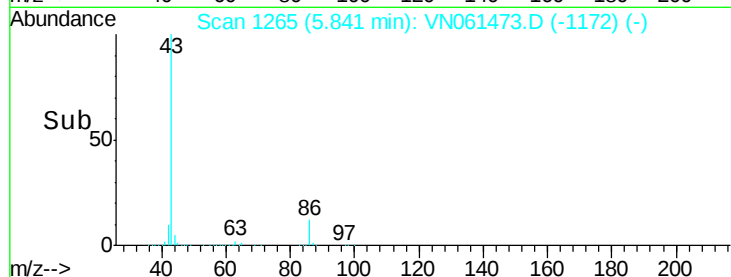
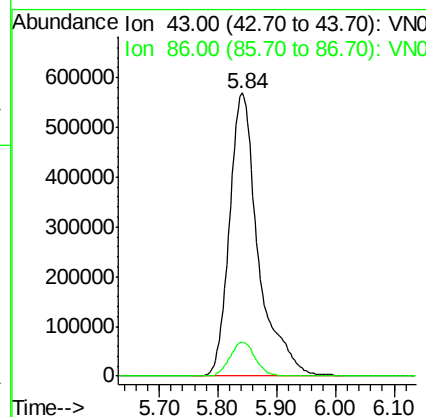
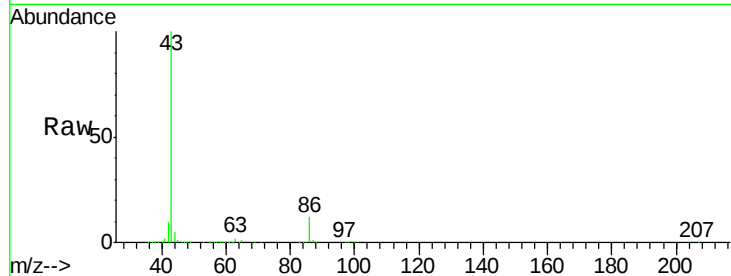
#23
 Vinyl Acetate
 Concen: 242.737 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1942119
 Ion Ratio Lower Upper
 43 100
 86 12.1 9.1 13.7

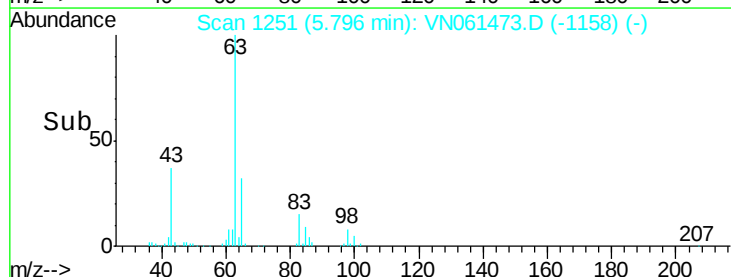
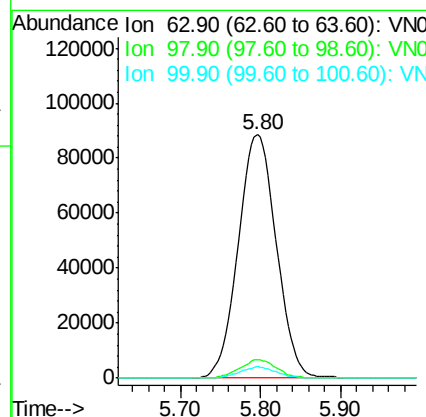
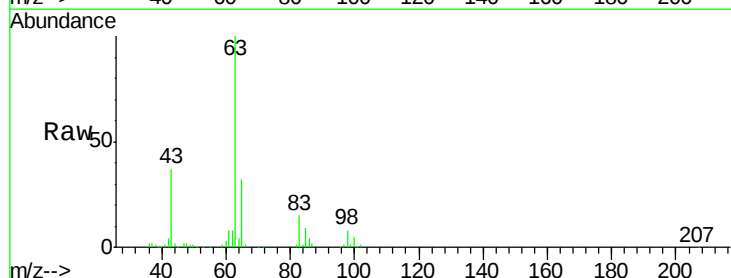
Manual Integrations
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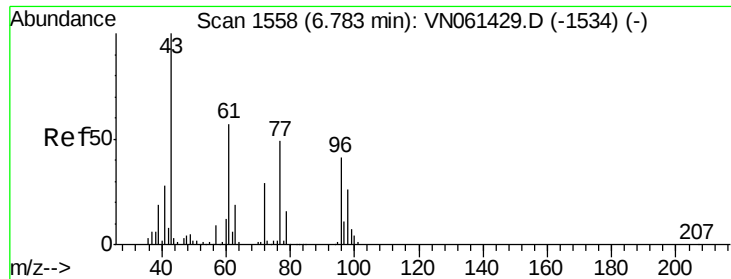
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#24
 1,1-Dichloroethane
 Concen: 48.701 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 63 Resp: 285806
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.5 10.5
 100 4.7 2.3 6.9





#25

2-Butanone

Concen: 241.381 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 440250

Ion Ratio Lower Upper

43 100

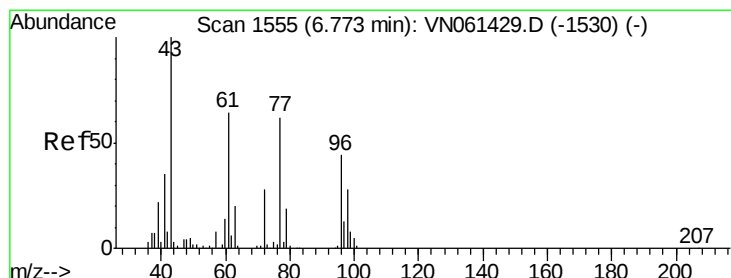
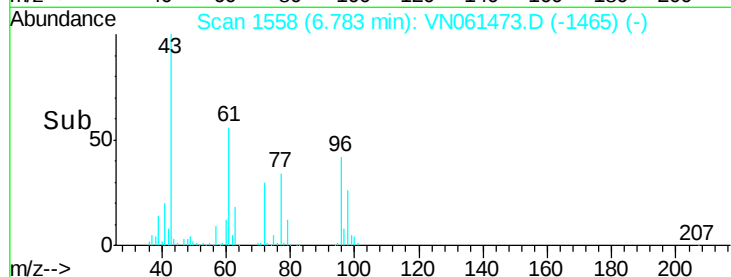
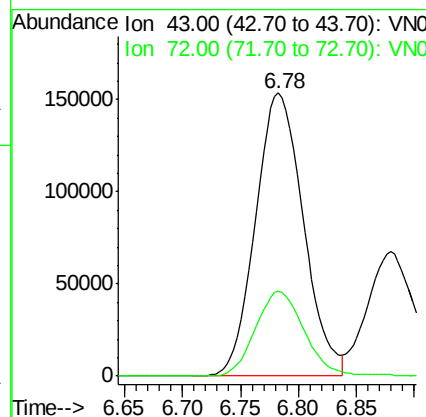
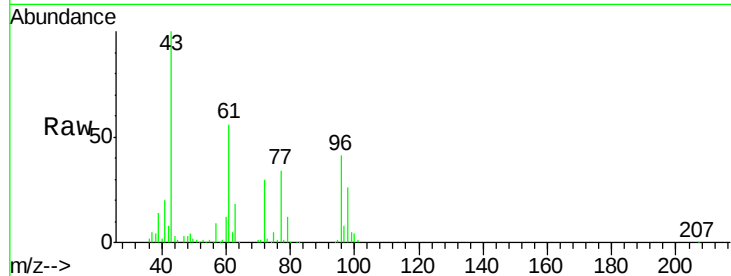
72 29.9 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 32.463 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VN061473.D

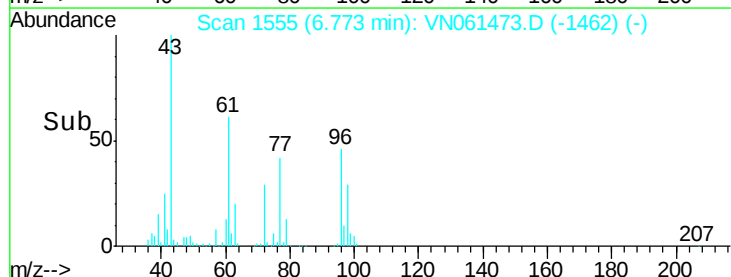
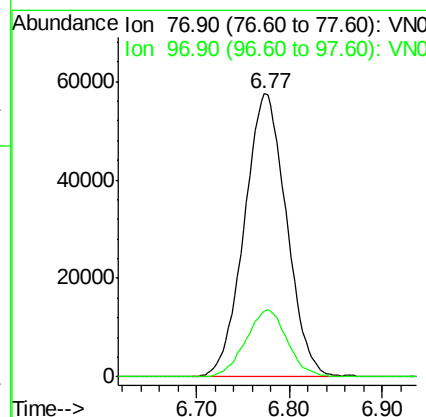
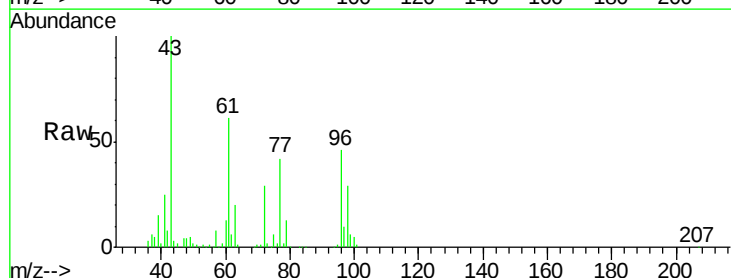
Acq: 19 May 2020 10:26

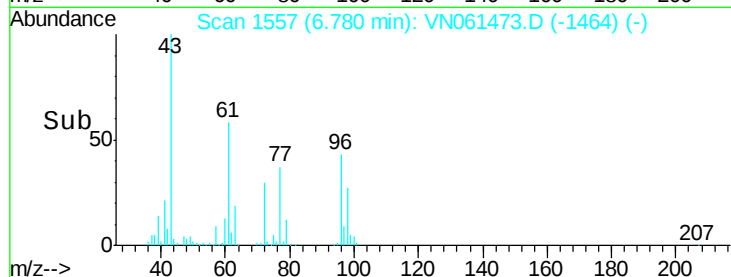
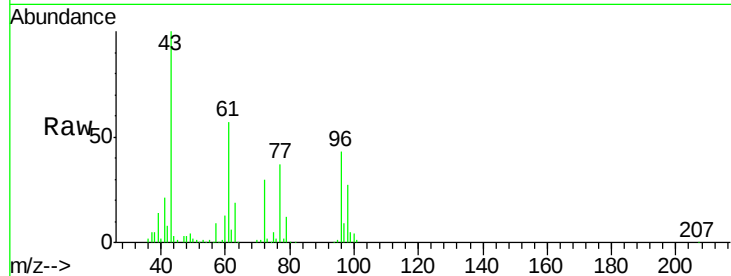
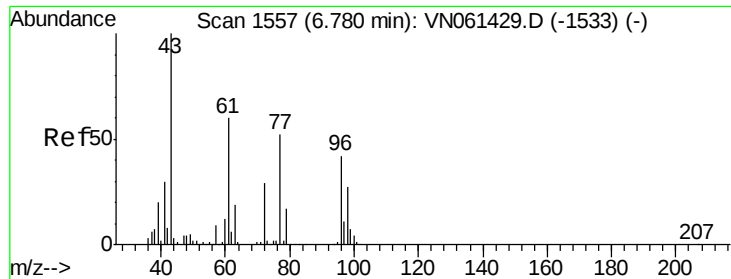
Tgt Ion: 77 Resp: 181611

Ion Ratio Lower Upper

77 100

97 23.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 50.439 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061473.D

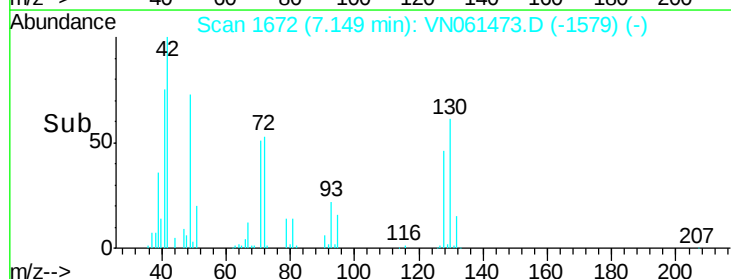
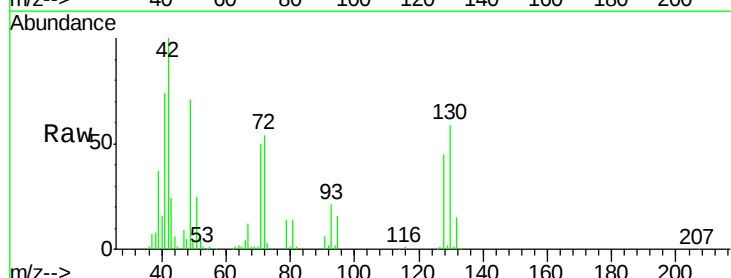
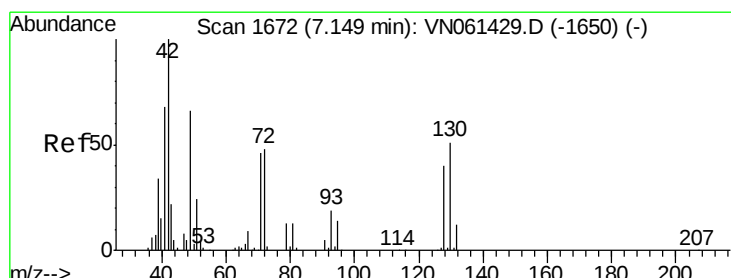
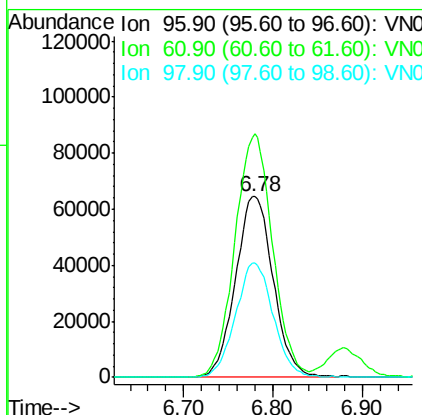
Acq: 19 May 2020 10:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189016		
61	134.5	0.0	294.2	
98	63.1	0.0	128.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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#28

Bromochloromethane

Concen: 55.114 ug/l

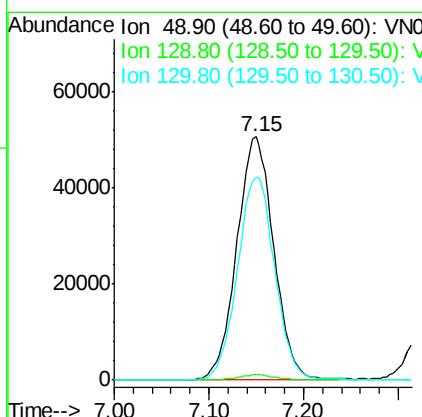
RT: 7.15 min Scan# 1672

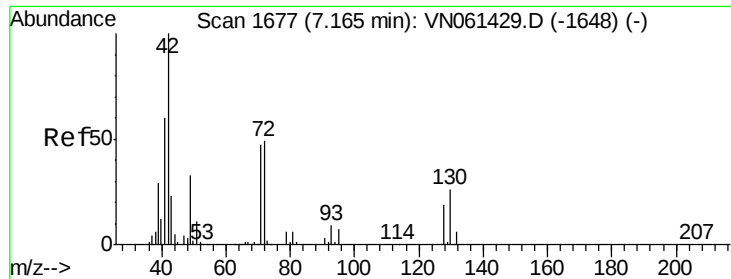
Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137289		
129	2.1	0.0	4.6	
130	84.2	62.2	93.2	





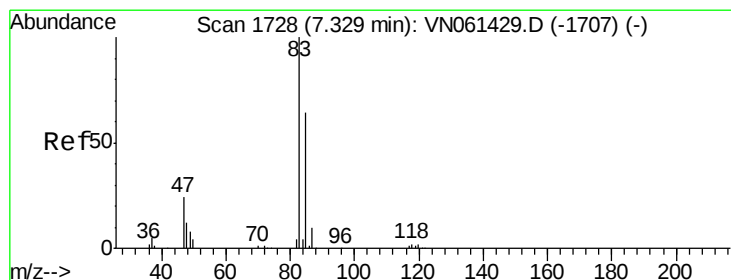
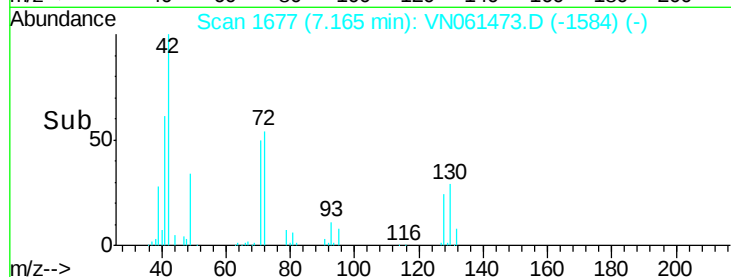
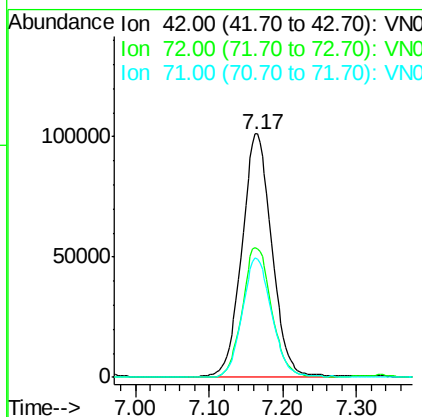
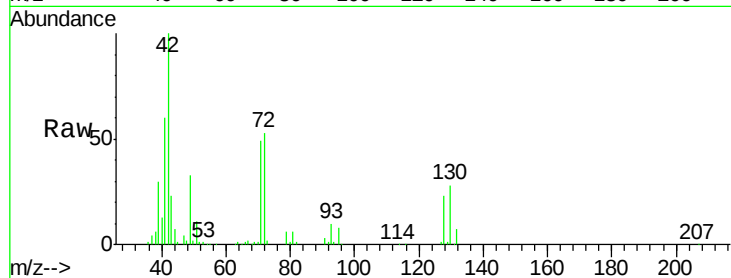
#29
Tetrahydrofuran
Concen: 239.060 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.0	39.0	58.6
71	48.0	36.9	55.3

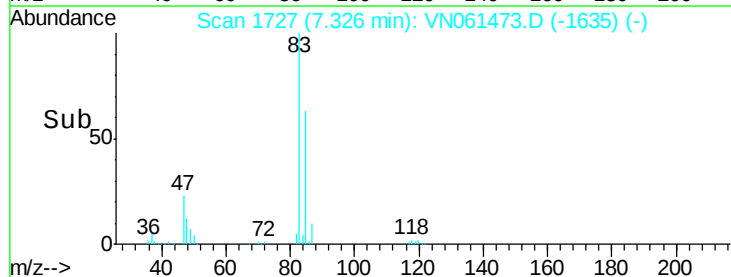
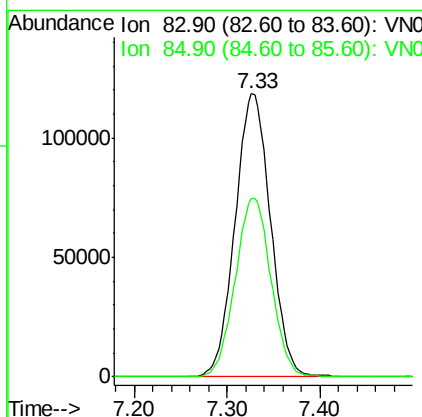
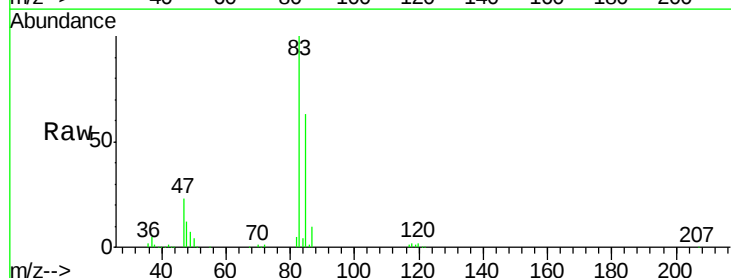
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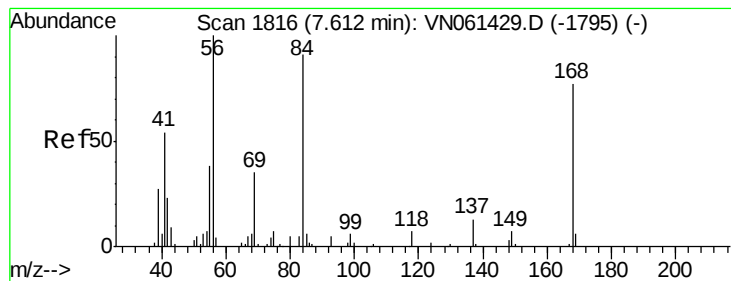
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#30
Chloroform
Concen: 51.262 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4





#31

Cyclohexane

Concen: 45.745 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

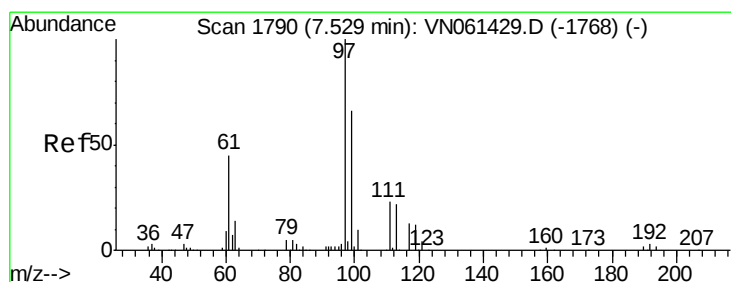
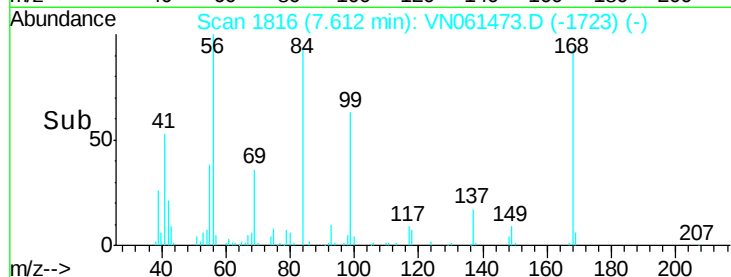
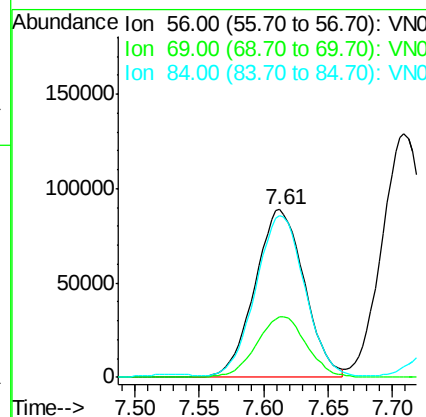
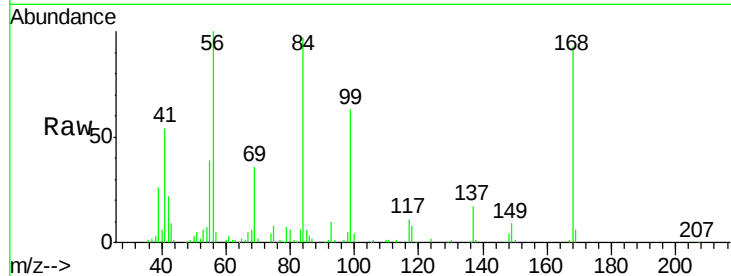
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	237590
Ion Ratio	Lower	Upper	
56	100		
69	35.9	27.8	41.6
84	95.3	72.7	109.1

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#32

1,1,1-Trichloroethane

Concen: 49.965 ug/l

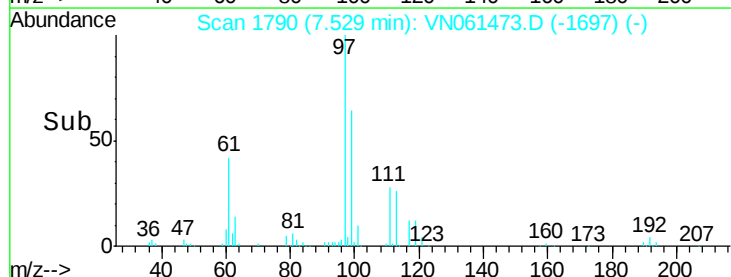
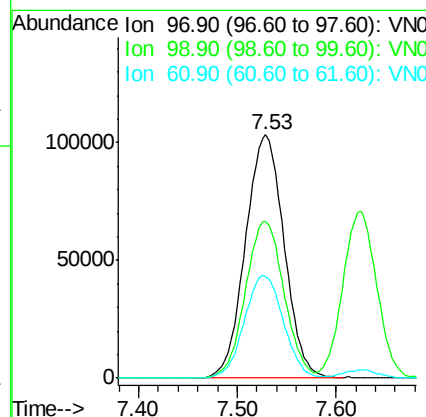
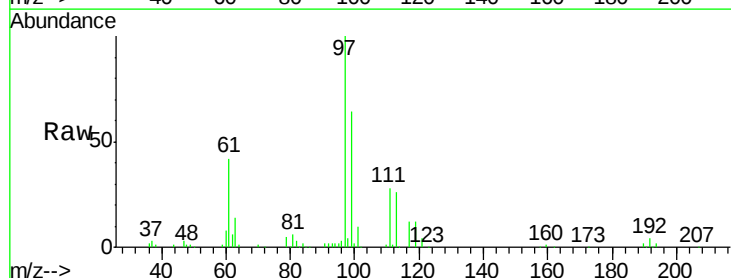
RT: 7.53 min Scan# 1790

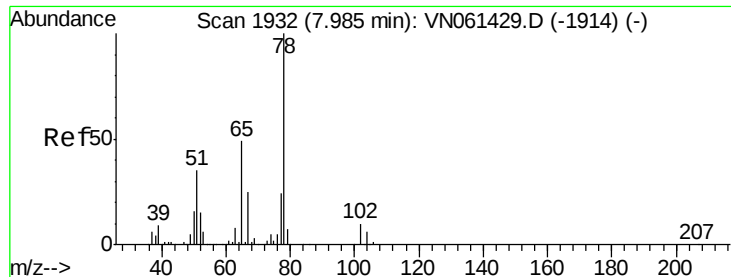
Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	97	Resp:	279857
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.5	77.3
61	42.6	35.8	53.6





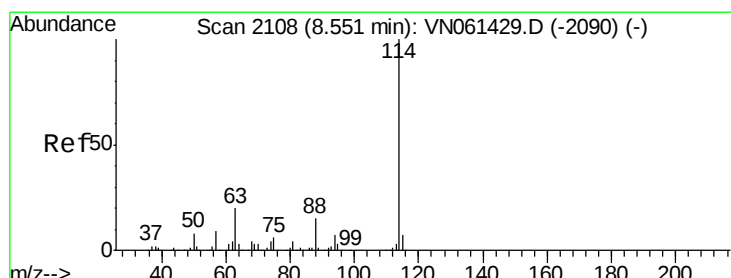
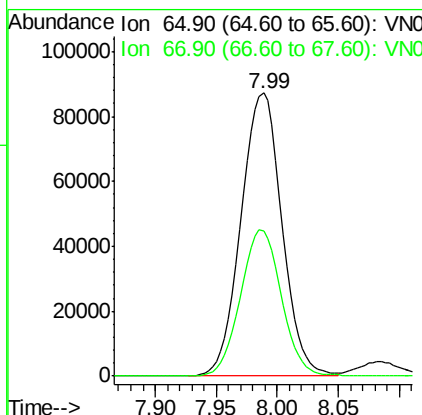
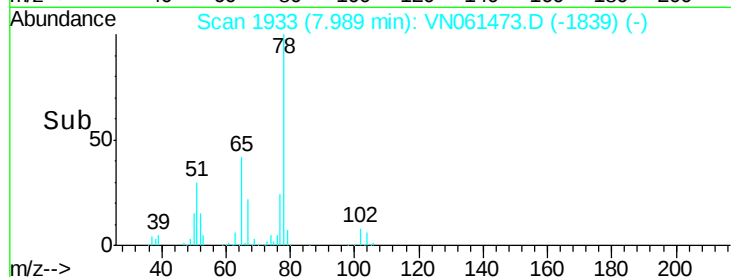
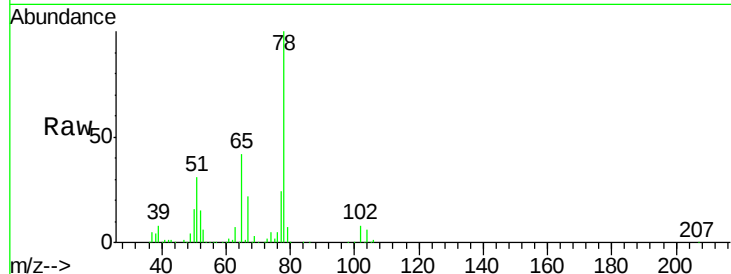
#33
 1,2-Dichloroethane-d4
 Concen: 50.688 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	203047		
67	51.4	0.0	101.4	

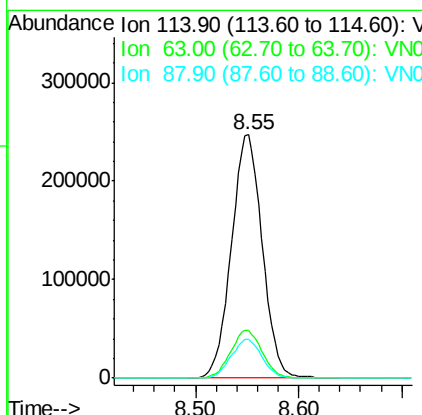
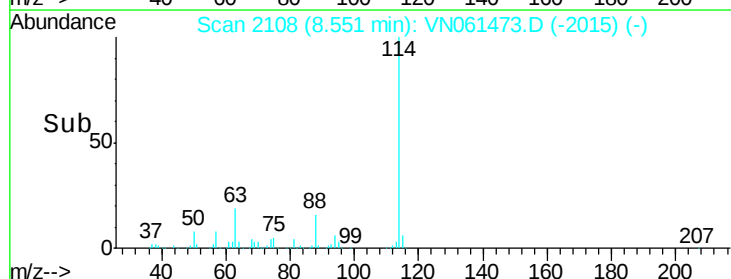
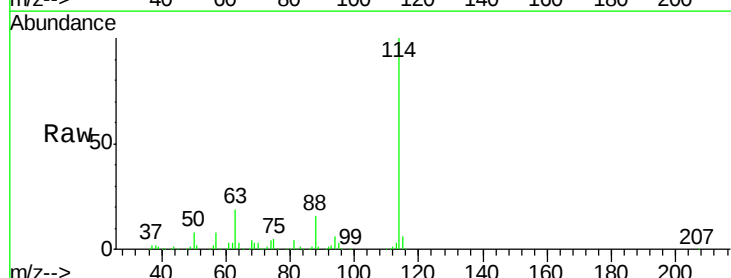
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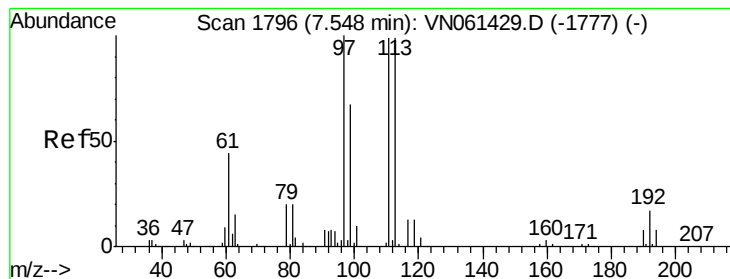
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	514278		
63	19.5	0.0	40.8	
88	15.7	0.0	30.8	





#35

Dibromofluoromethane

Concen: 48.330 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

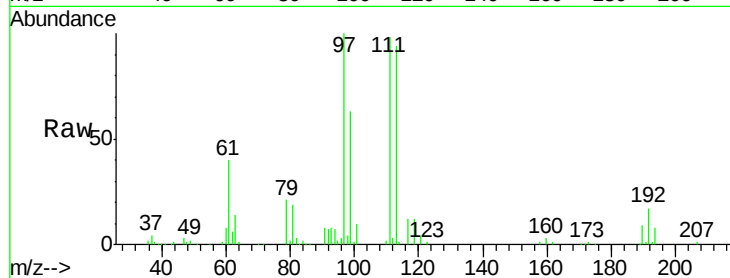
ClientSampleId :

VSTDCCC050EC

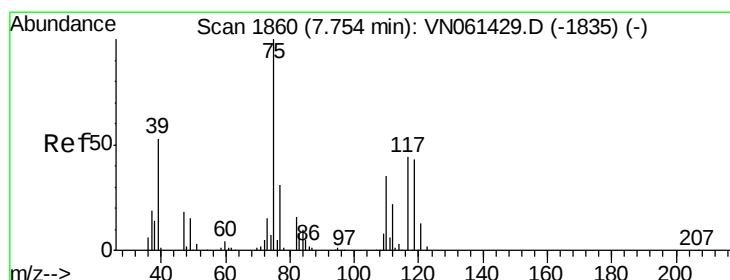
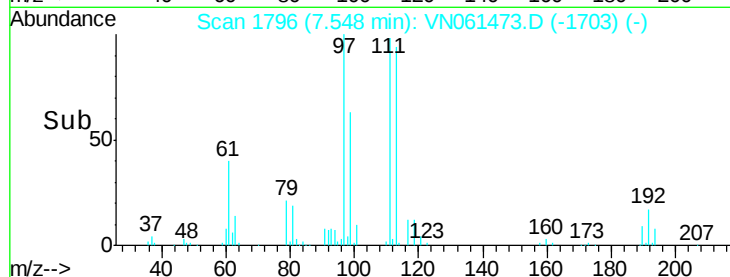
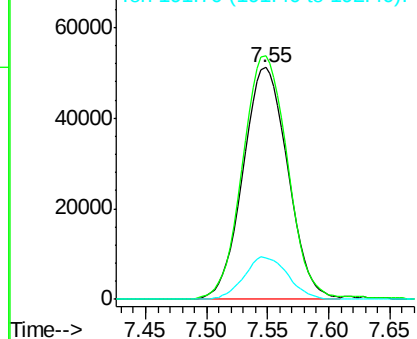
Tot Ion:	113	Resp:	130208
Ion Ratio	Lower	Upper	
113	100		
111	105.6	80.6	121.0
192	18.0	13.2	19.8

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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: 46.462 ug/l

RT: 7.75 min Scan# 1859

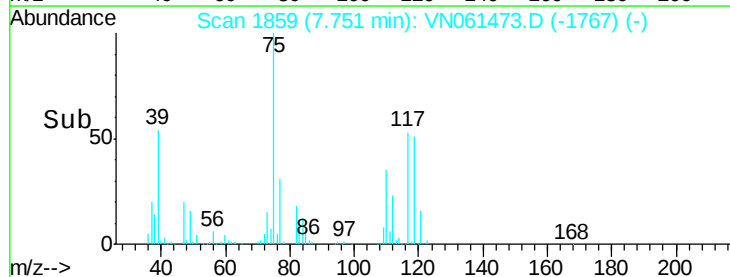
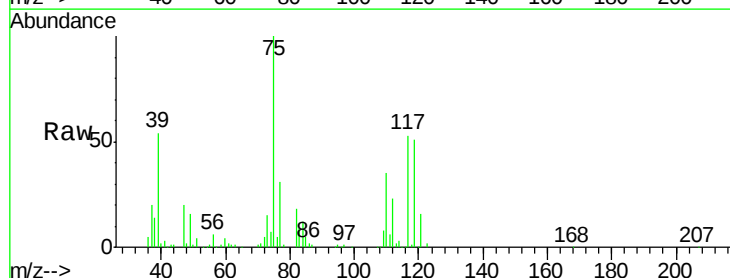
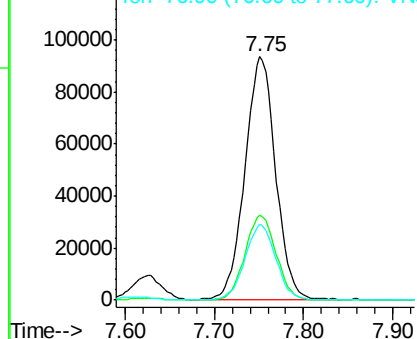
Delta R.T. -0.00 min

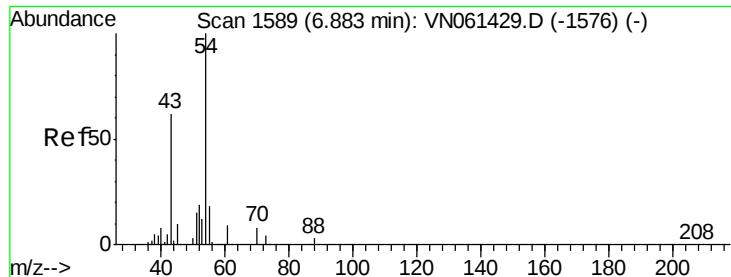
Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	75	Resp:	223424
Ion Ratio	Lower	Upper	
75	100		
110	35.5	17.3	51.9
77	31.5	24.9	37.3

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





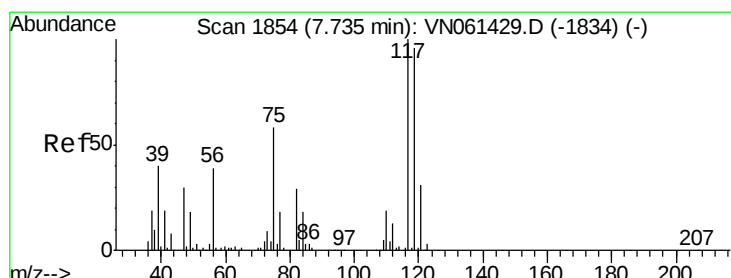
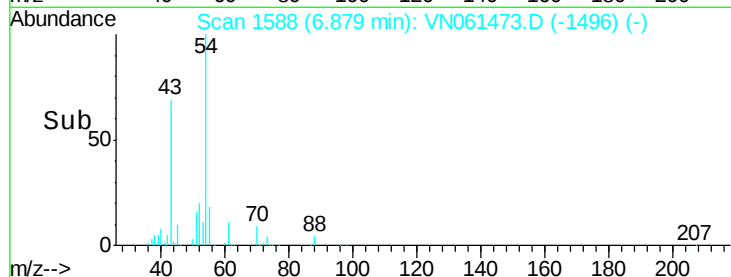
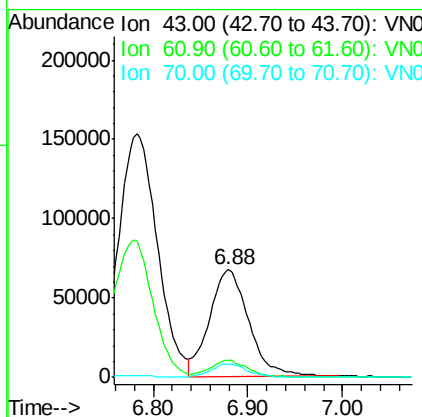
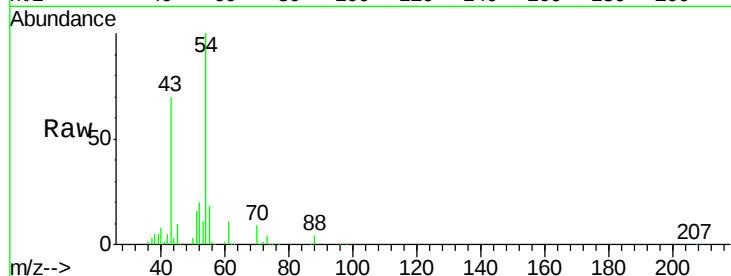
#37
Ethyl Acetate
Concen: 44.602 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	11.9	9.2	13.8

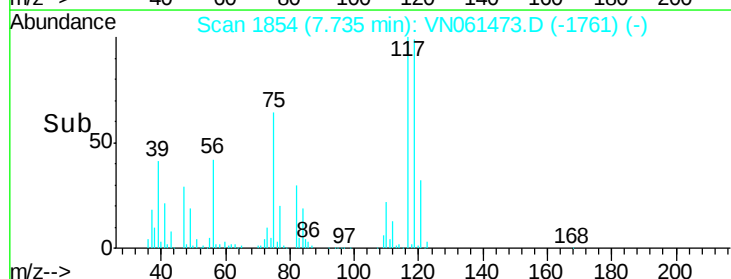
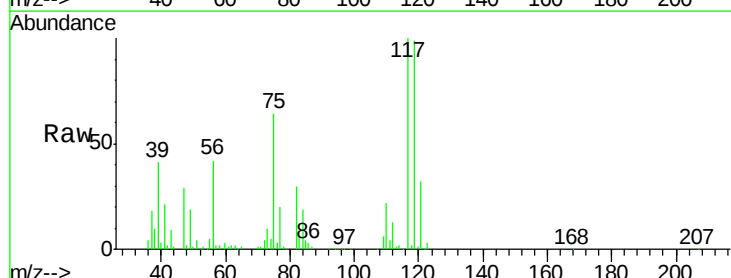
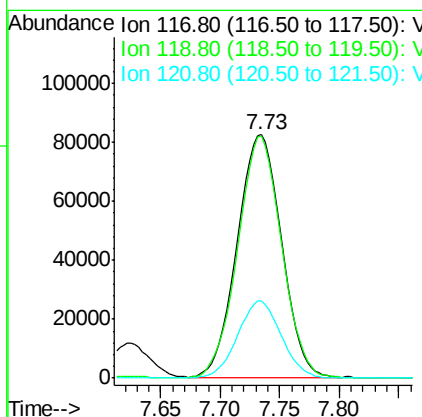
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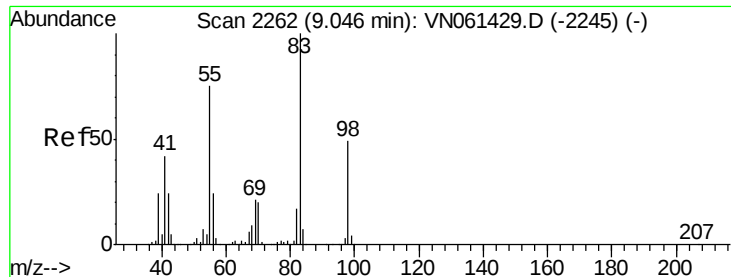
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#38
Carbon Tetrachloride
Concen: 48.043 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.0	115.6
121	31.6	24.7	37.1





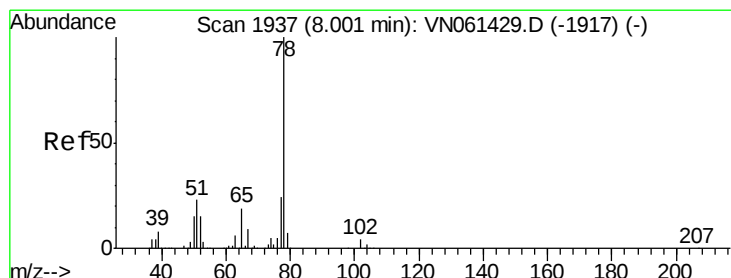
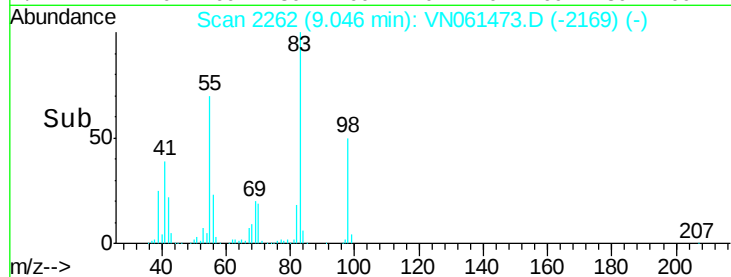
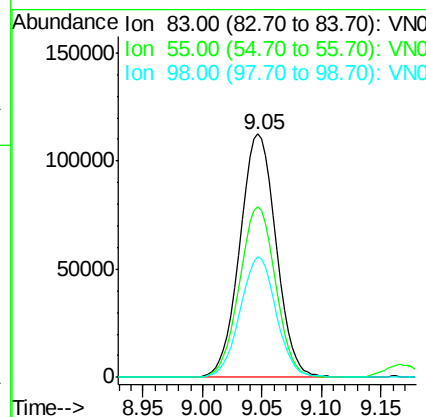
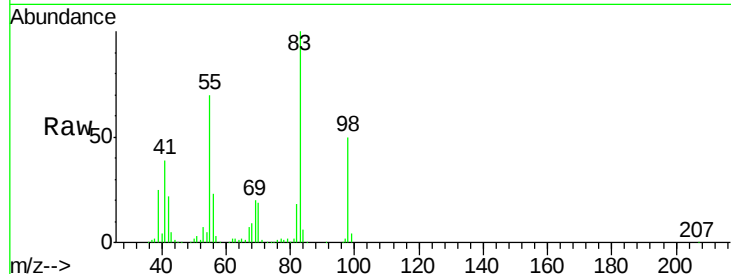
#39
Methvlcvclohexane
Concen: 40.518 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	59.7	89.5
98	49.6	38.9	58.3

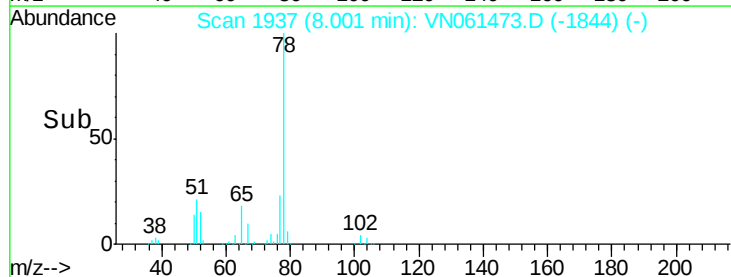
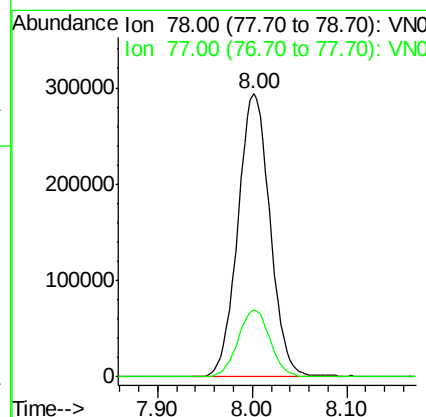
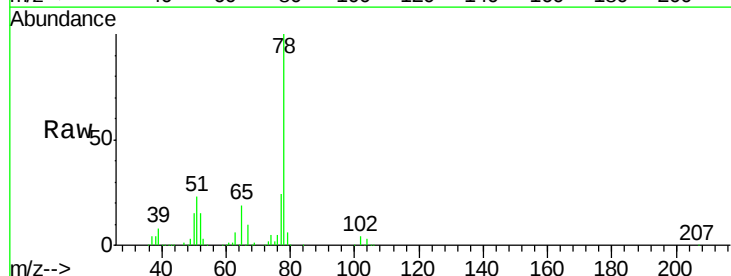
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#40
Benzene
Concen: 47.927 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.1	28.7





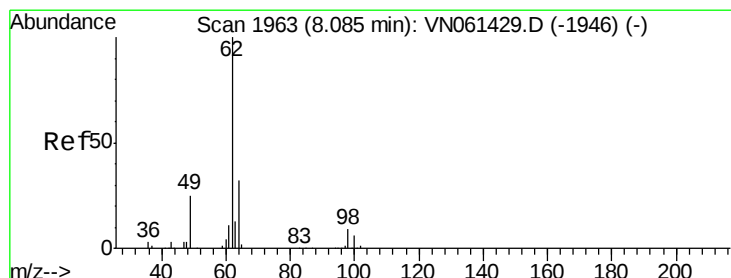
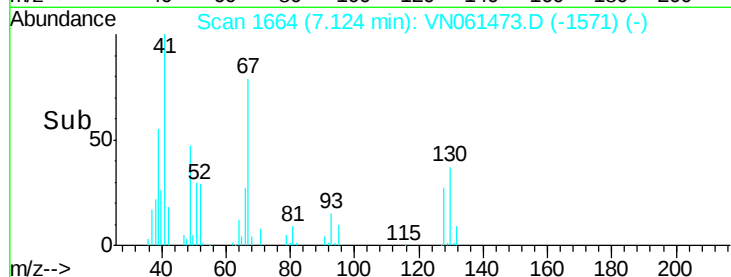
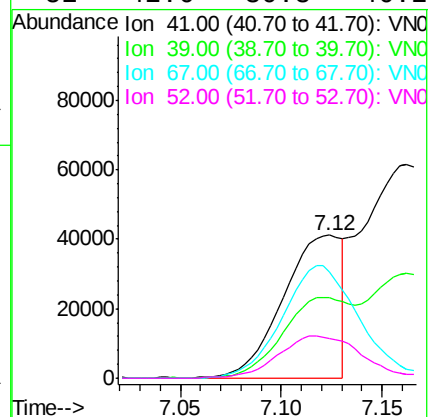
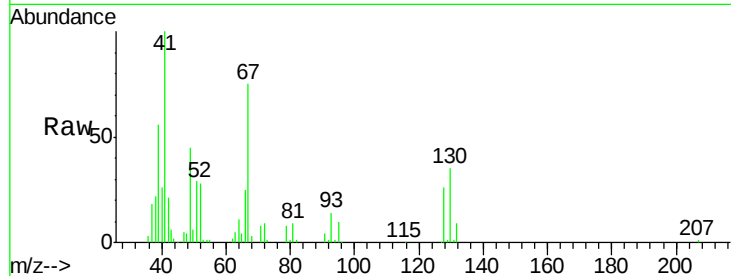
#41
Methacrylonitrile
Concen: 45.182 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	83221
Ion	Ratio	Lower	Upper
41	100		
39	65.3	48.3	72.5
67	104.6	74.2	111.4
52	42.6	30.8	46.2

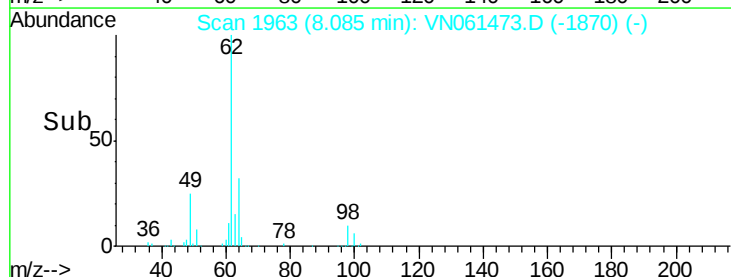
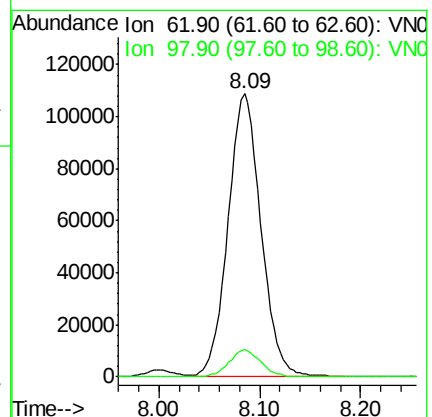
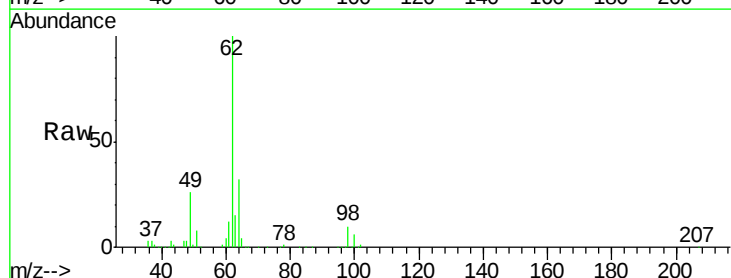
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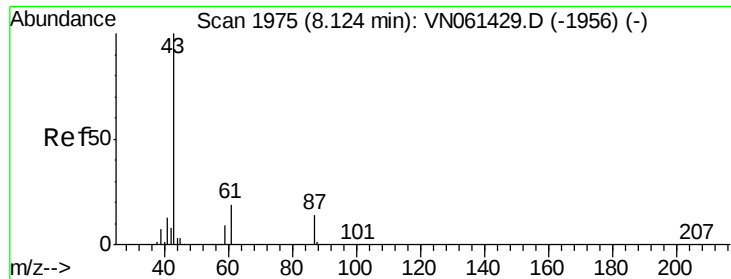
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#42
1,2-Dichloroethane
Concen: 47.261 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion:	62	Resp:	246751
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4





#43

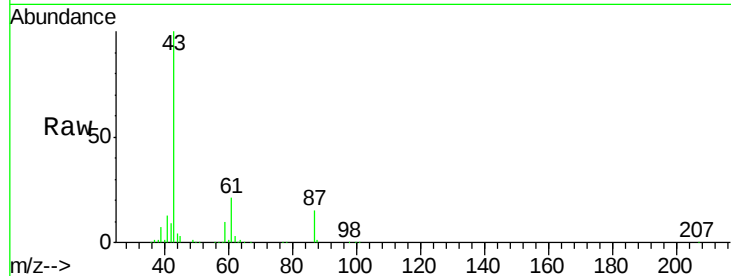
Isopropyl Acetate
 Concen: 45.788 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

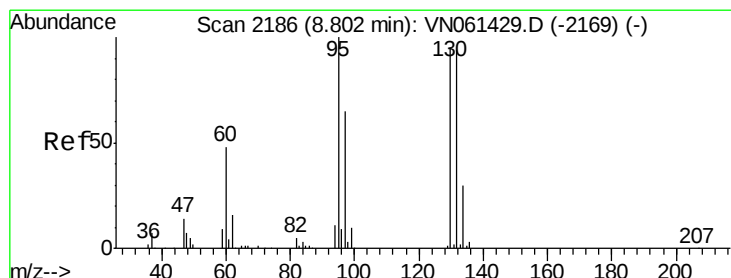
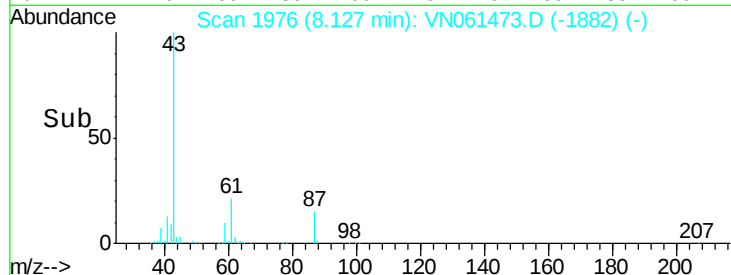
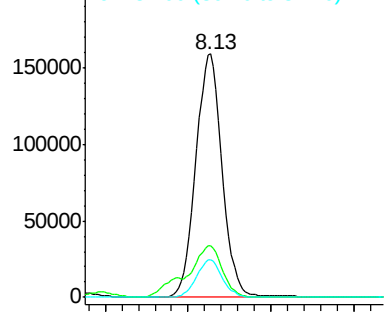
Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	23.0	34.4#
87	15.3	11.6	17.4

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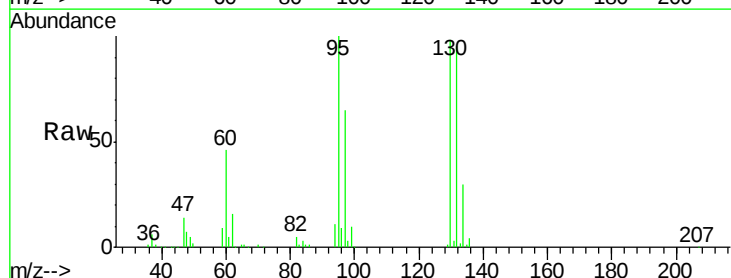
Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-1956) (-)



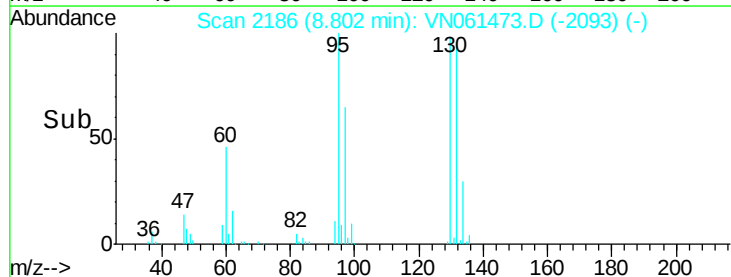
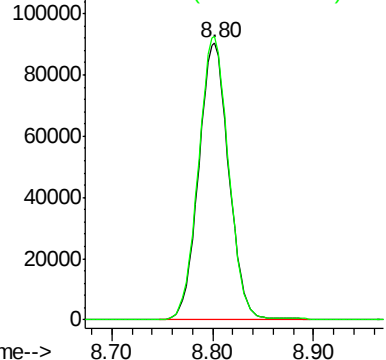
#44

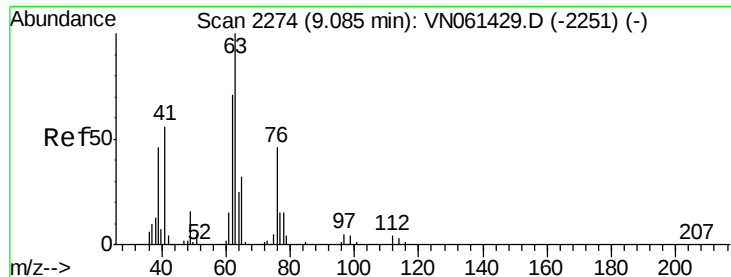
Trichloroethene
 Concen: 49.633 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.1	0.0	209.8



Abundance Ion 129.80 (129.50 to 130.50): VN061473.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 48.122 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 174550

Ion Ratio Lower Upper

63 100

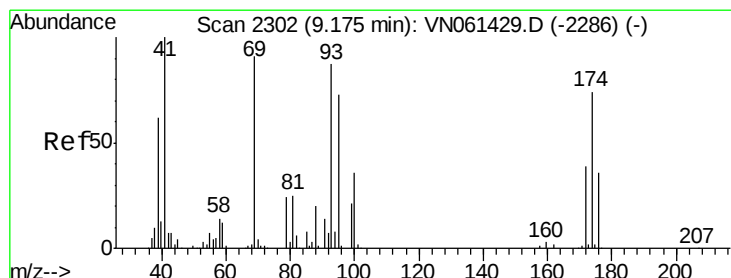
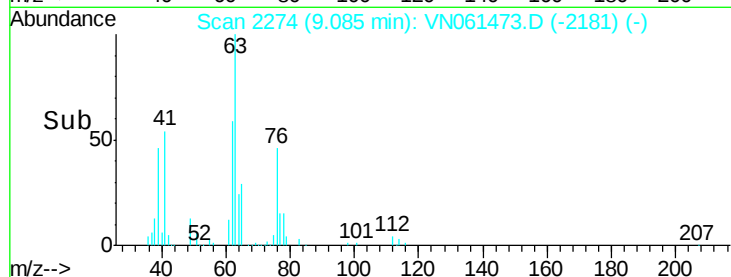
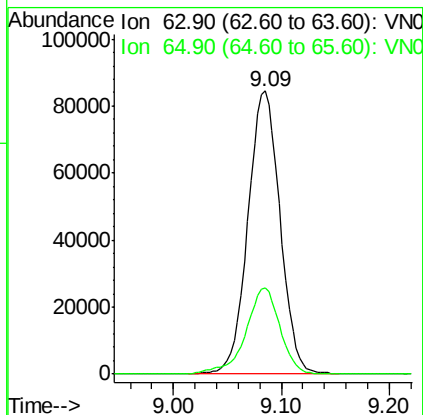
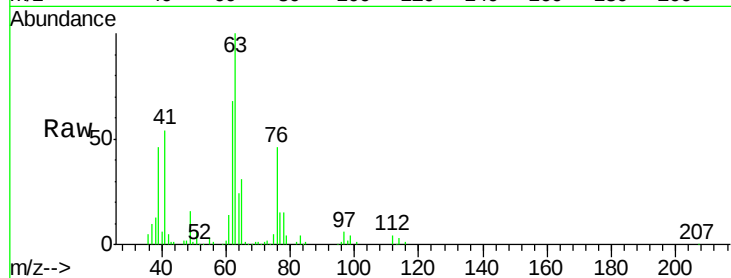
65 30.5 25.2 37.8

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#46

Dibromomethane

Concen: 49.331 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

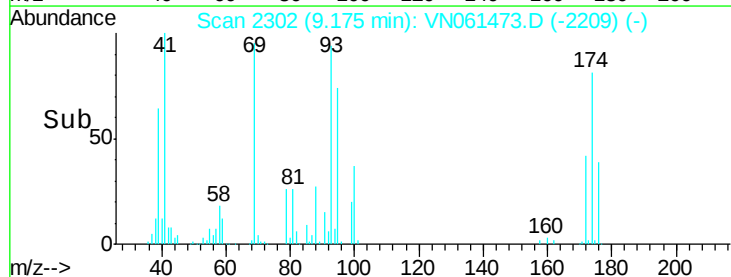
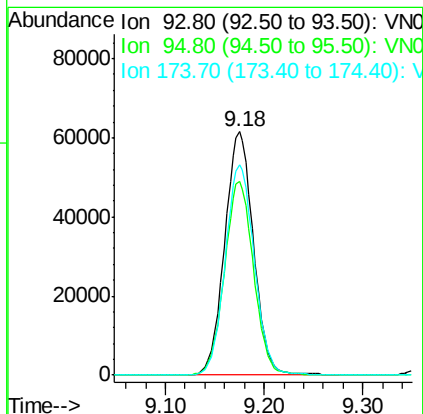
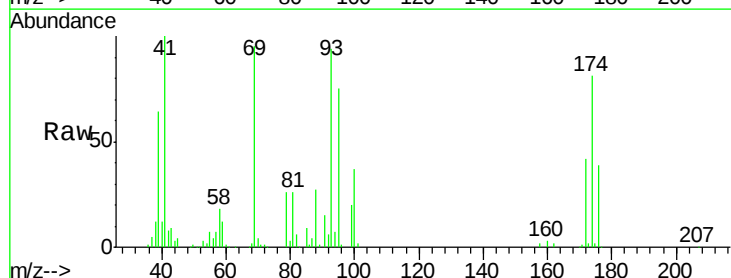
Tgt Ion: 93 Resp: 125441

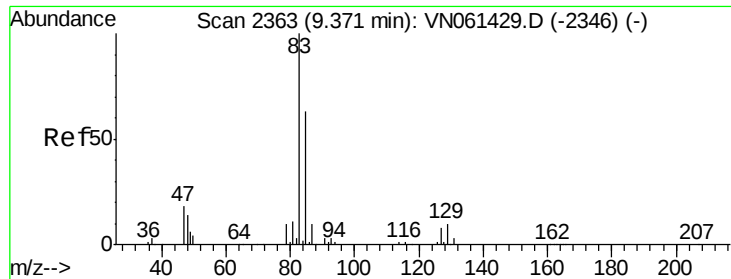
Ion Ratio Lower Upper

93 100

95 80.6 65.6 98.4

174 87.6 68.0 102.0





#47

Bromodichloromethane

Concen: 48.296 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

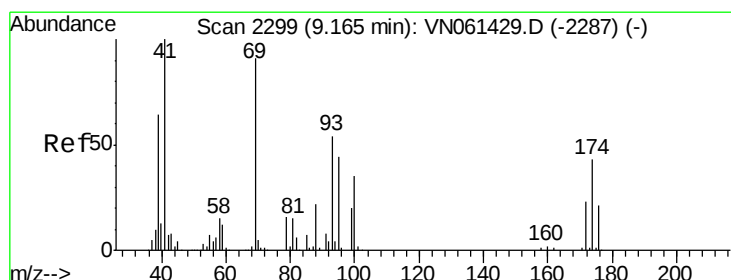
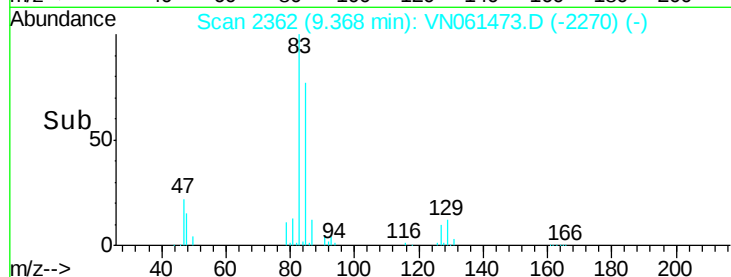
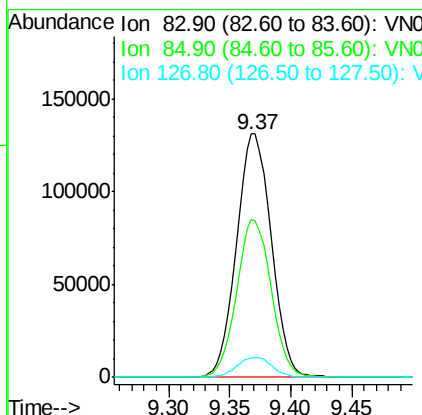
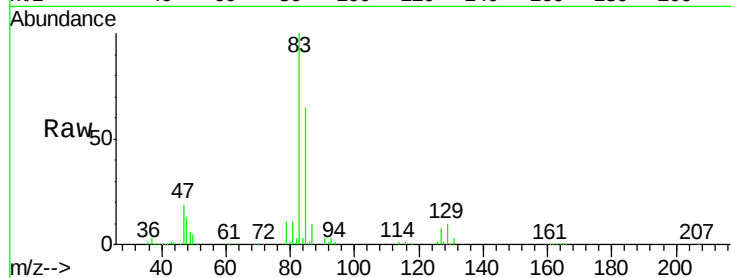
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	258751
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	76.0
127	8.1	6.1	9.1

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#48

Methyl methacrylate

Concen: 44.591 ug/l

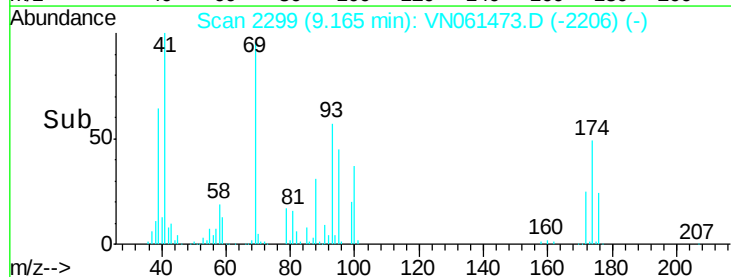
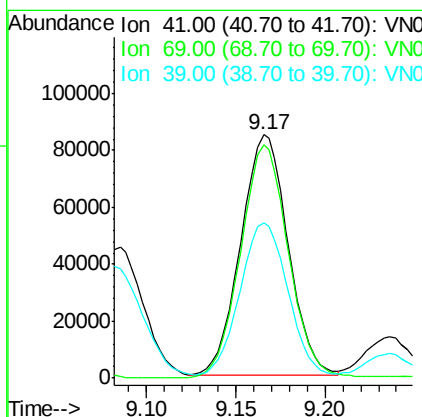
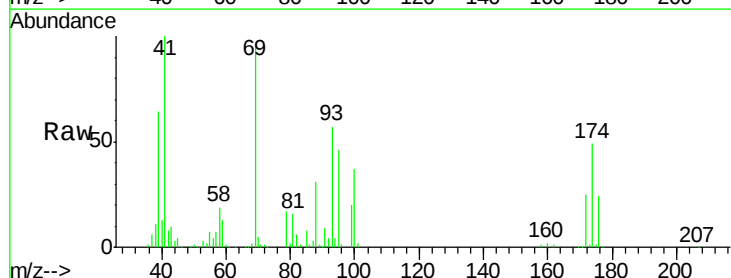
RT: 9.17 min Scan# 2299

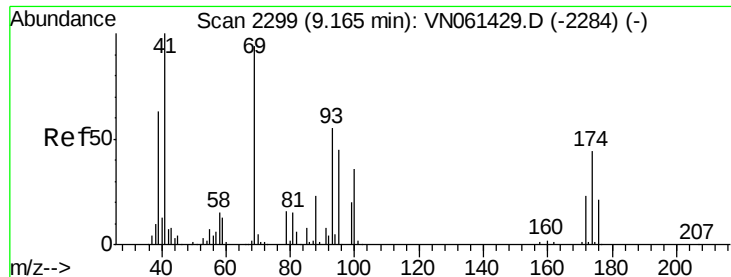
Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	41	Resp:	156680
Ion Ratio	Lower	Upper	
41	100		
69	98.9	75.3	112.9
39	66.4	52.6	79.0





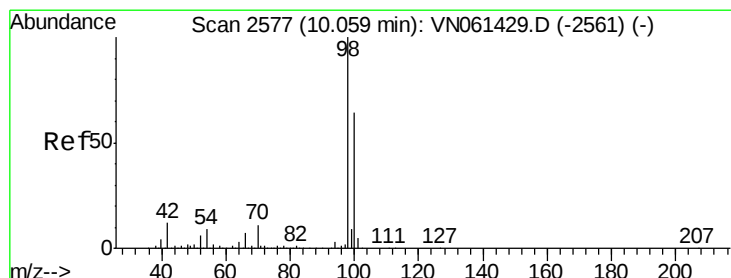
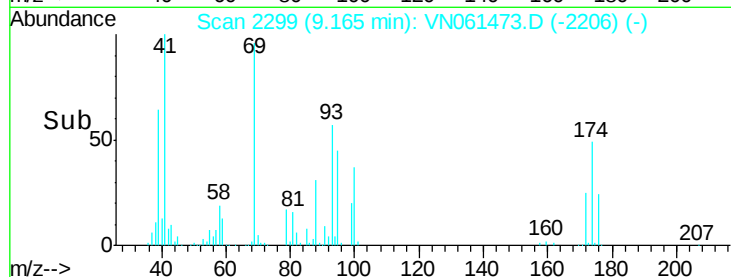
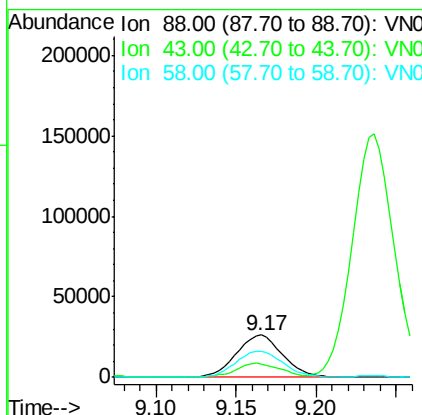
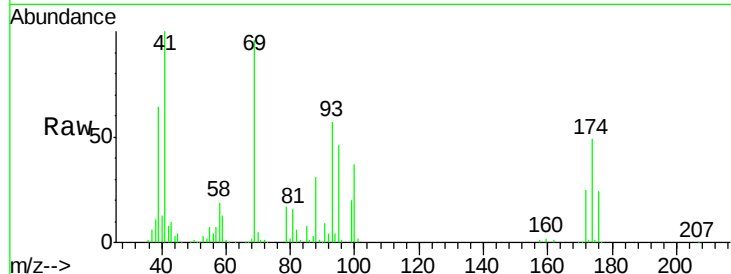
#49
1,4-Dioxane
Concen: 1419.894 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	51890
Ion Ratio	Lower	Upper	
88	100		
43	30.6	26.3	39.5
58	63.8	54.1	81.1

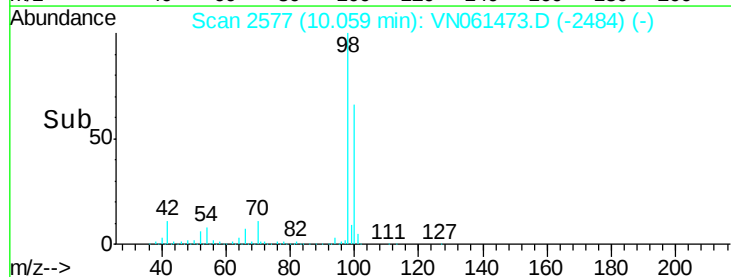
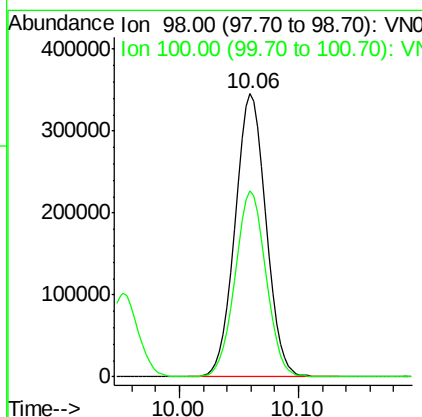
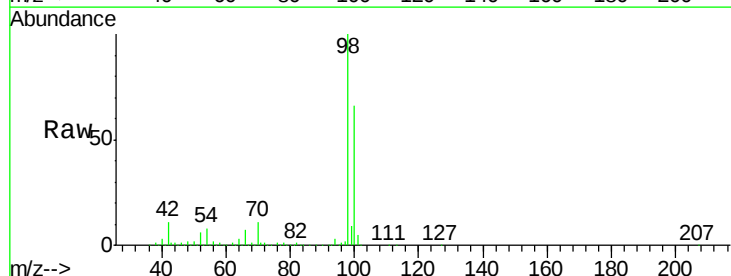
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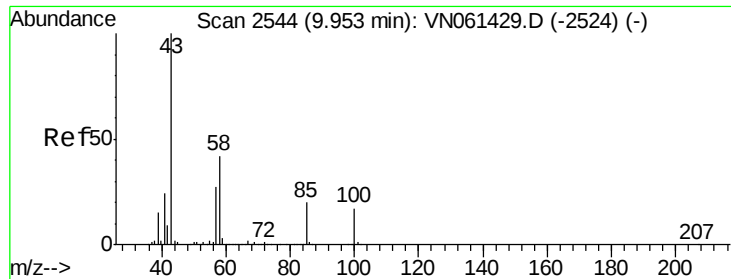
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#50
Toluene-d8
Concen: 49.829 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	98	Resp	622671
Ion Ratio	Lower	Upper	
98	100		
100	65.6	51.8	77.8





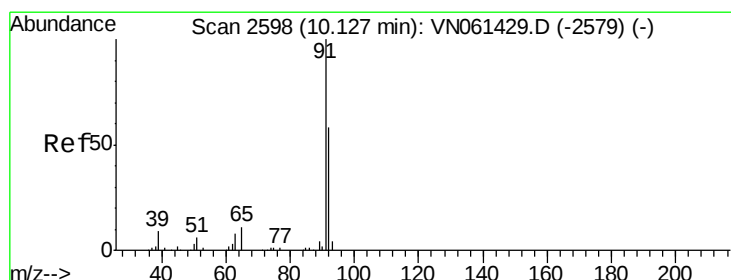
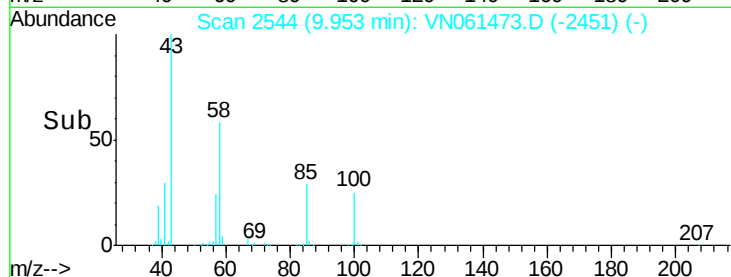
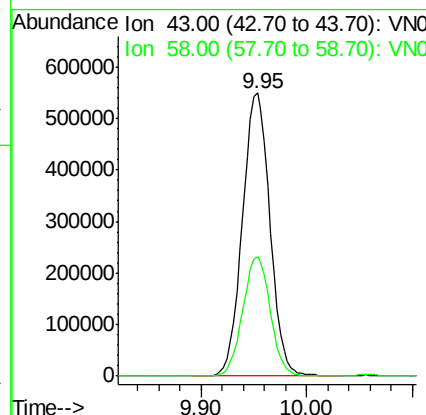
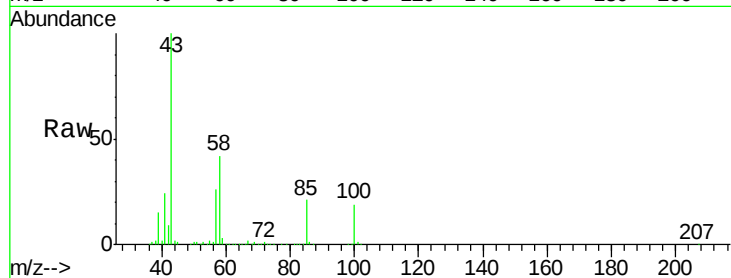
#51
4-Methyl-2-Pentanone
Concen: 239.542 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	992533
Ion Ratio	100	Lower	Upper
43	100		
58	42.3	33.4	50.2

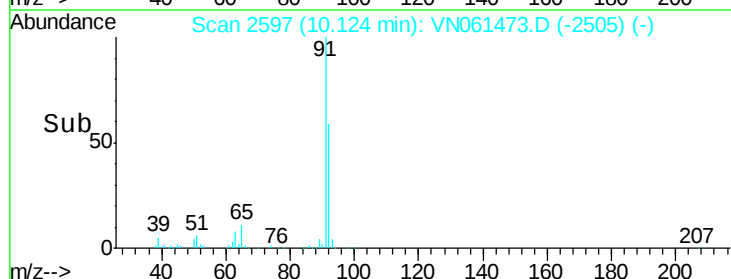
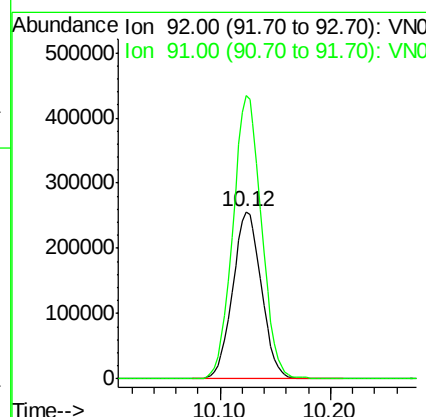
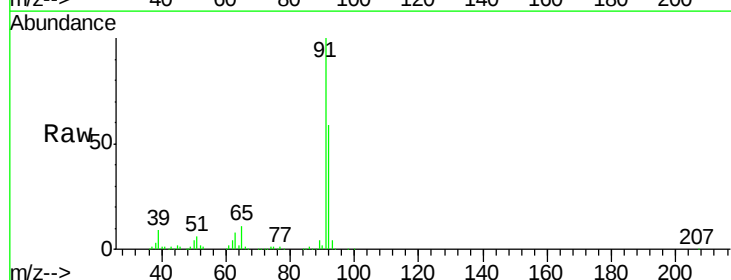
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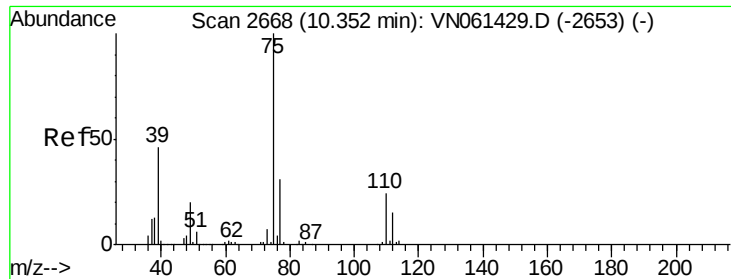
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#52
Toluene
Concen: 49.586 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	92	Resp	461330
Ion Ratio	100	Lower	Upper
92	100		
91	169.6	138.0	207.0





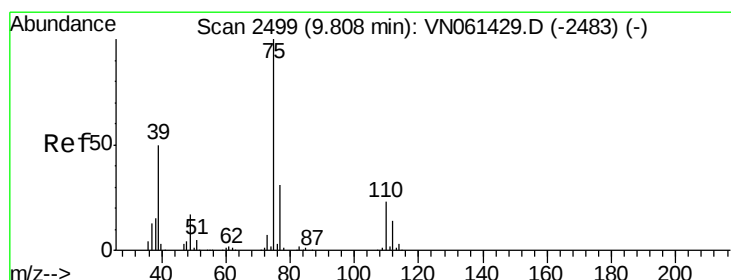
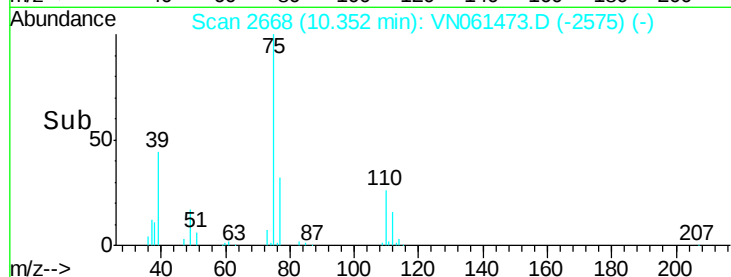
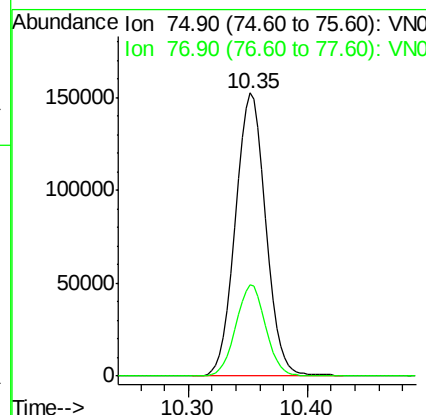
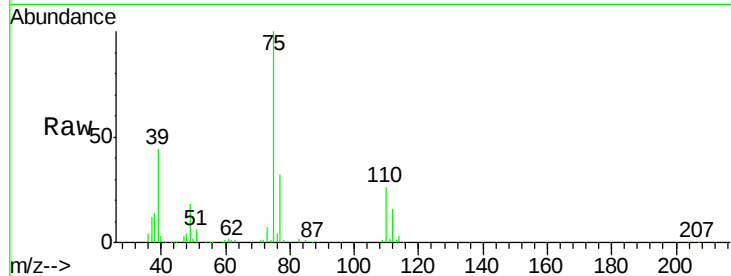
#53
t-1,3-Dichloropropene
Concen: 45.989 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 270054
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2

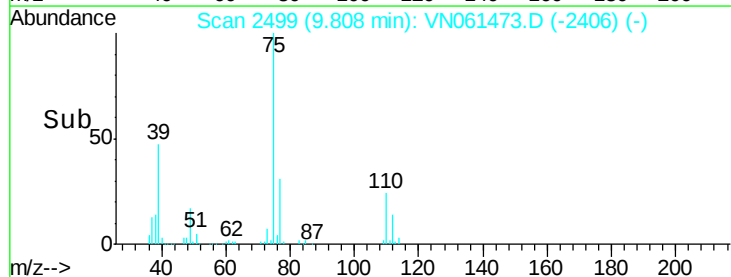
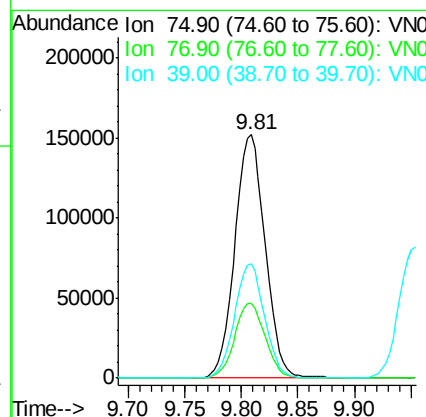
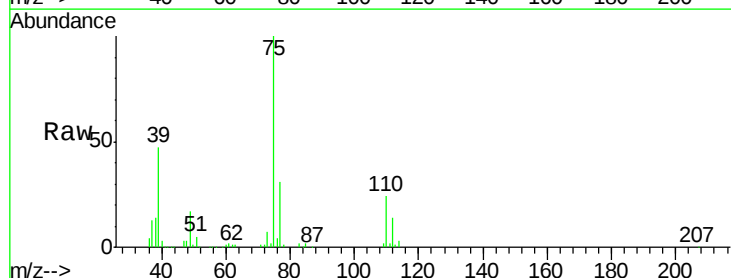
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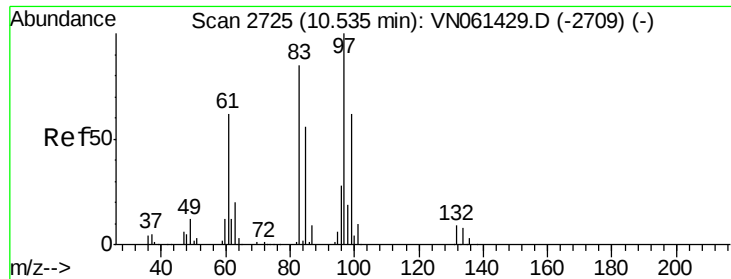
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#54
cis-1,3-Dichloropropene
Concen: 45.462 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 75 Resp: 283782
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2
39 47.0 39.8 59.6





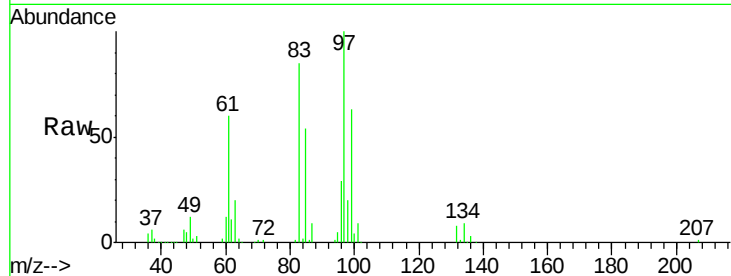
#55
 1,1,2-Trichloroethane
 Concen: 50.164 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

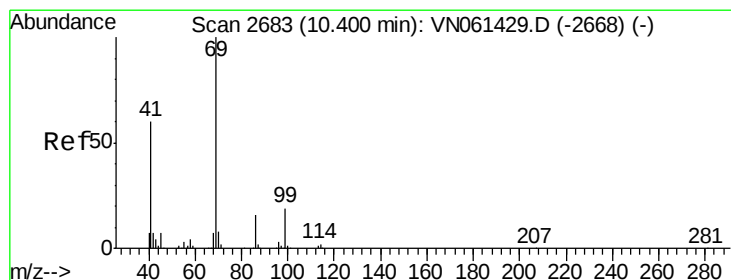
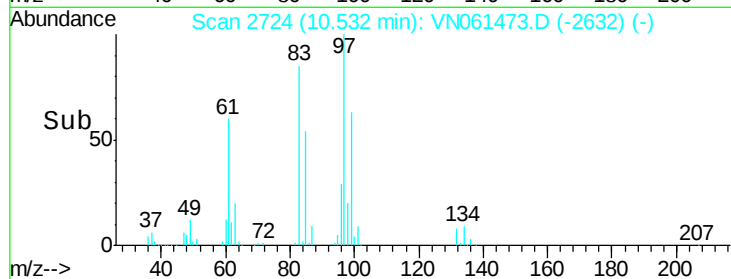
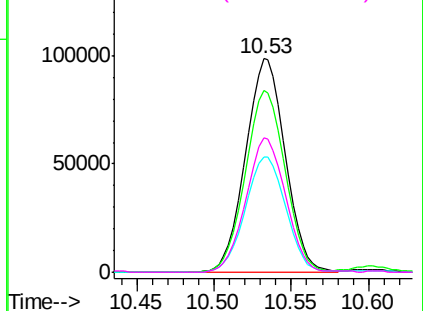
Tot Ion:	97	Resp:	176448
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	54.0	44.6	67.0
99	63.1	49.5	74.3

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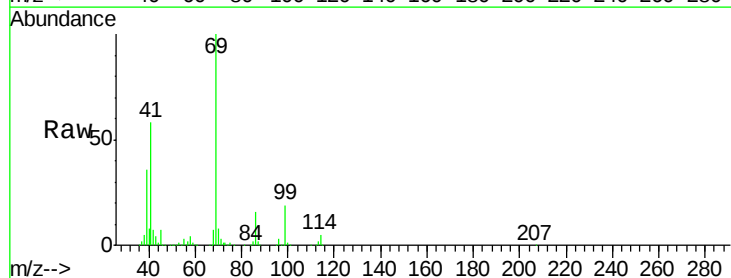


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

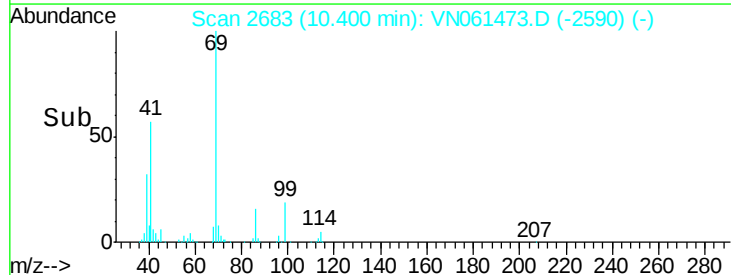
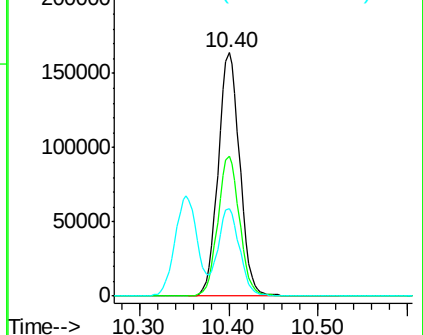


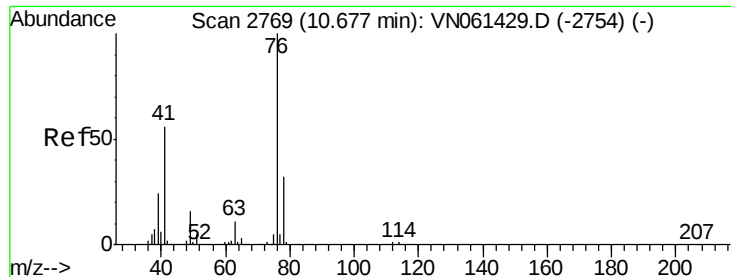
#56
 Ethyl methacrylate
 Concen: 49.927 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion:	69	Resp:	274554
Ion	Ratio	Lower	Upper
69	100		
41	57.4	48.3	72.5
39	35.7	30.2	45.2



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





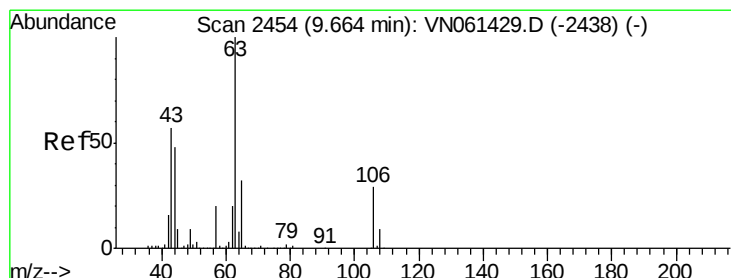
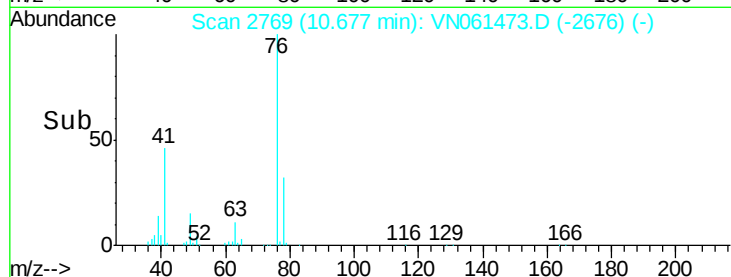
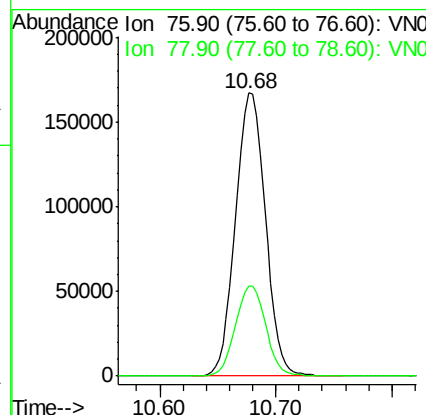
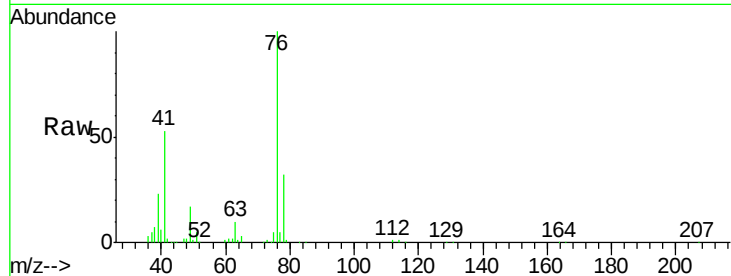
#57
 1,3-Dichloropropane
 Concen: 49.141 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

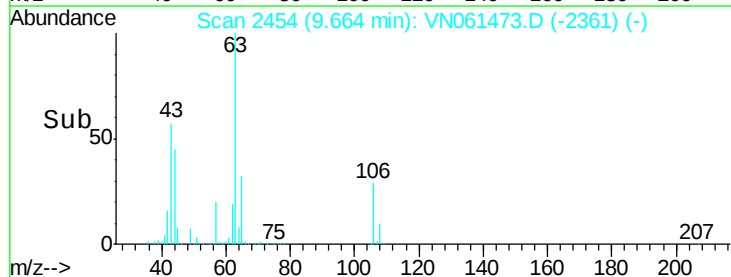
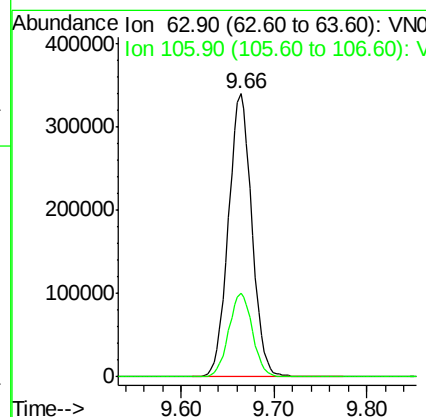
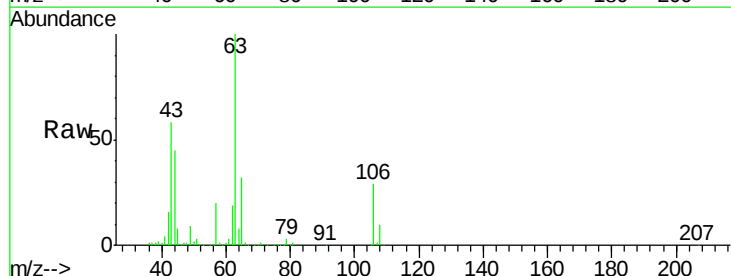
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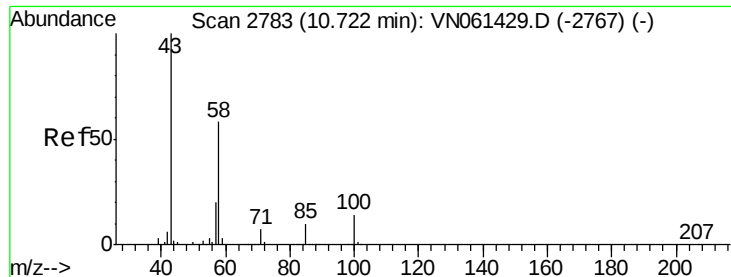
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#58
 2-Chloroethyl Vinyl ether
 Concen: 247.011 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	22.7	34.1





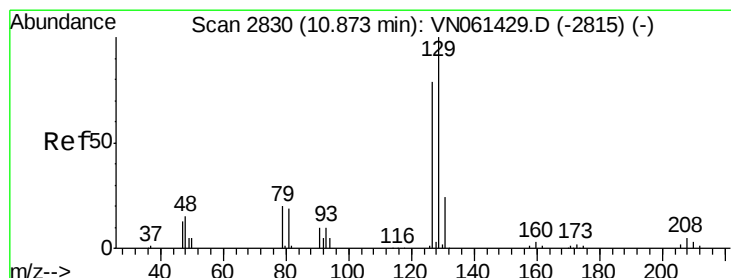
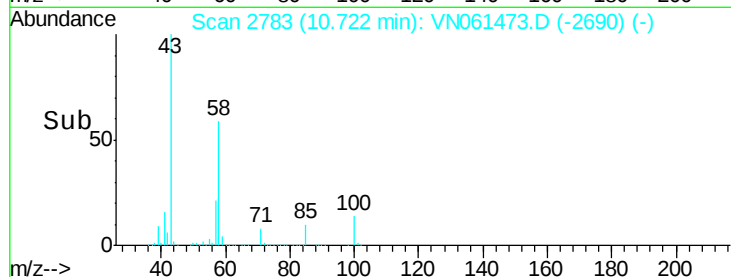
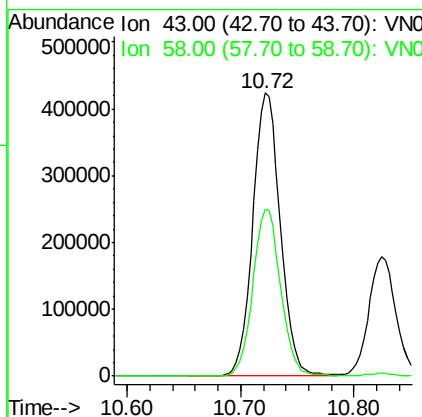
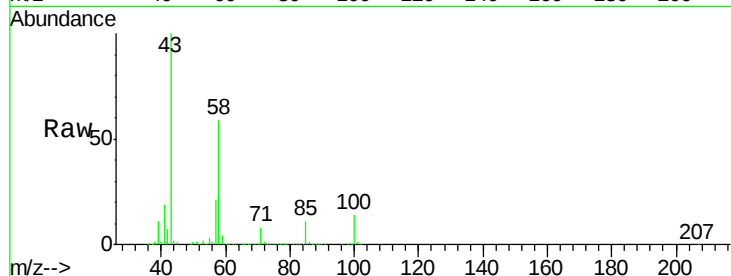
#59
2-Hexanone
Concen: 238.323 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 714432
Ion Ratio Lower Upper
43 100
58 59.6 29.2 87.6

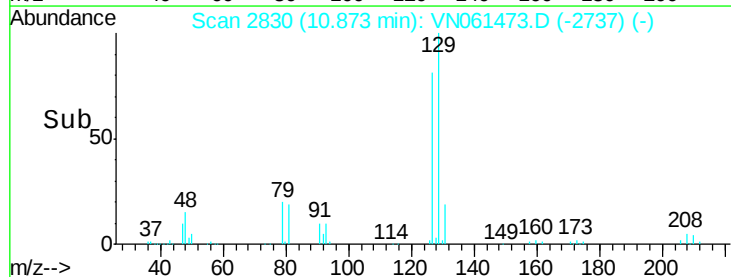
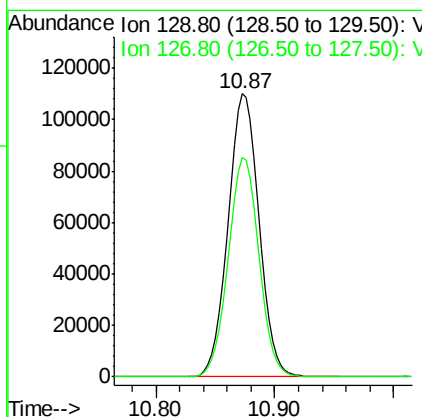
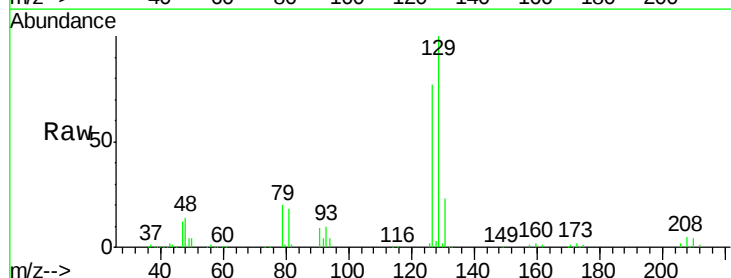
Manual Integrations
APPROVED

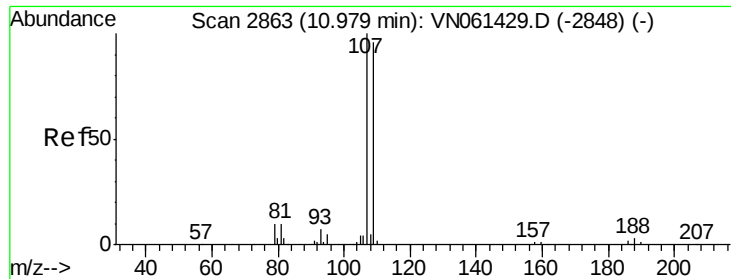
MMDadoda
5/19/2020 4:24:07 PM



#60
Dibromochloromethane
Concen: 51.045 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 129 Resp: 198608
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 50.890 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 188209

Ion Ratio Lower Upper

107 100

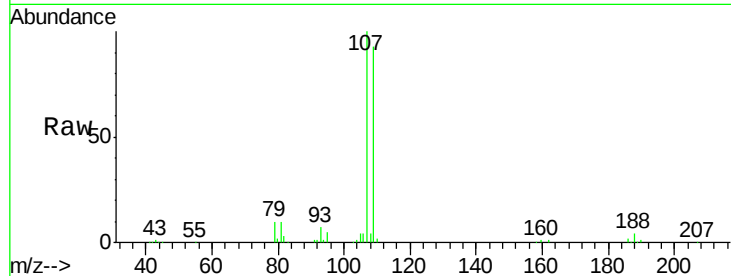
109 93.9 75.7 113.5

Manual Integrations

APPROVED

MMDadoda

5/19/2020 4:24:07 PM

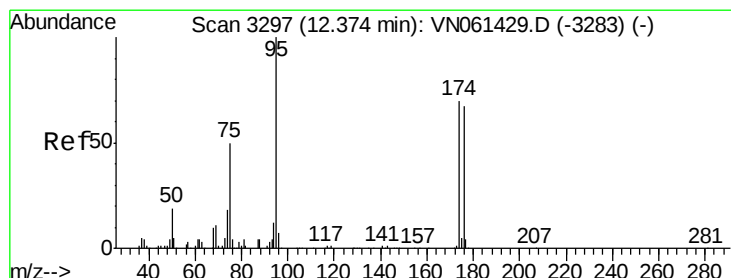
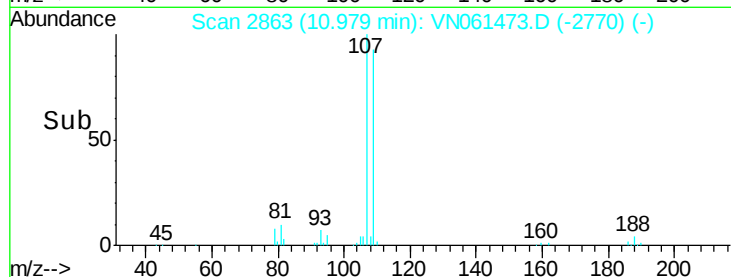


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

Time-->



#62

4-Bromofluorobenzene

Concen: 51.451 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

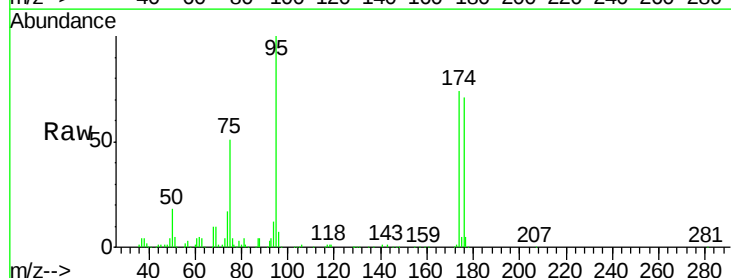
Tgt Ion: 95 Resp: 240207

Ion Ratio Lower Upper

95 100

174 73.0 0.0 141.2

176 70.6 0.0 137.6



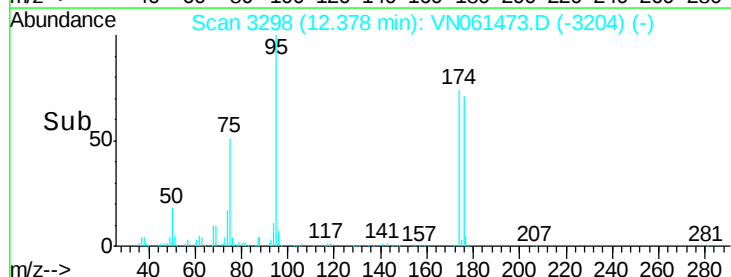
Abundance Ion 94.90 (94.60 to 95.60): V

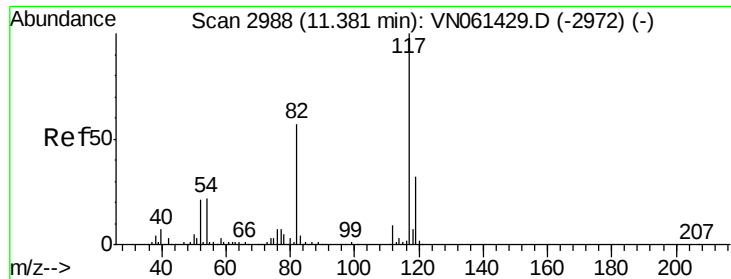
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

Time-->





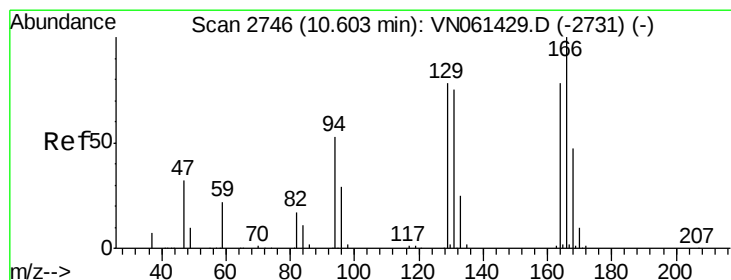
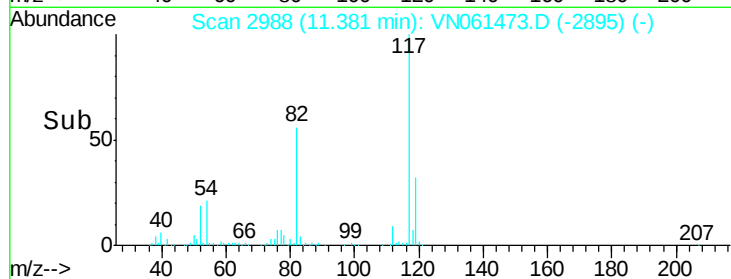
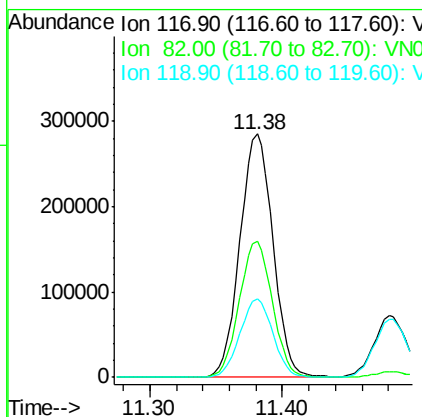
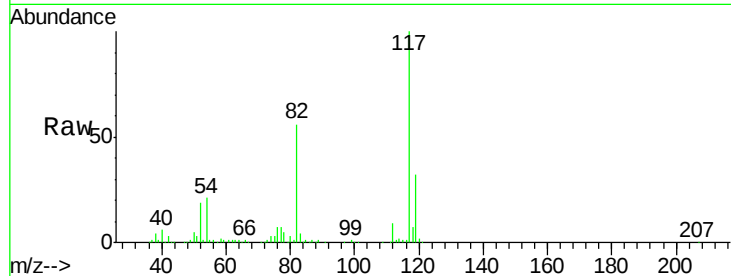
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	494066		
82	55.8	45.2	67.8	
119	32.1	25.3	37.9	

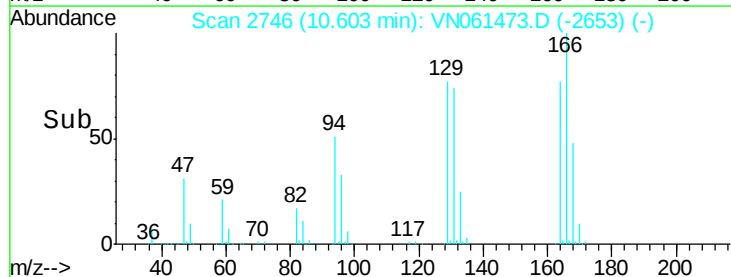
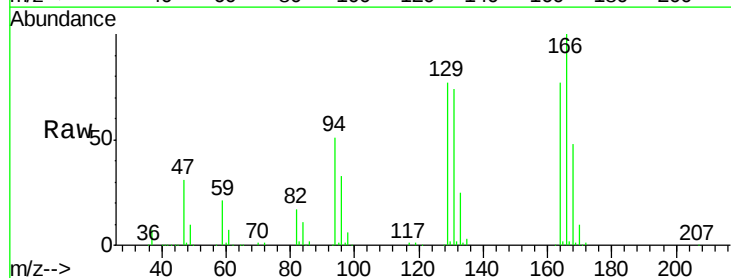
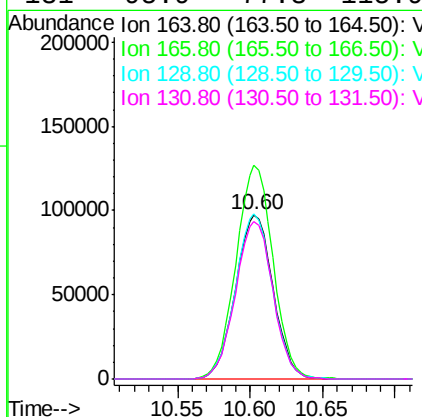
Manual Integrations
APPROVED

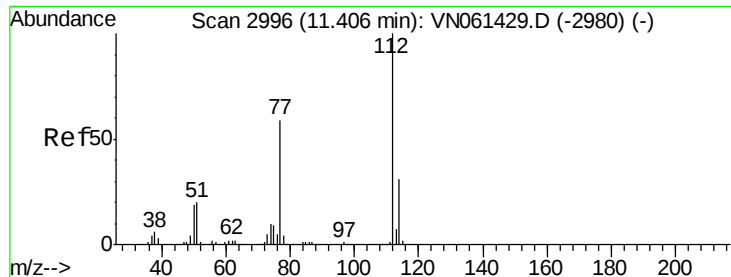
MMDadoda
5/19/2020 4:24:07 PM



#64
Tetrachloroethene
Concen: 45.944 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	175614		
166	130.0	103.2	154.8	
129	100.3	81.0	121.4	
131	95.9	77.3	115.9	





#65

Chlorobenzene

Concen: 47.872 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 482318

Ion Ratio Lower Upper

112 100

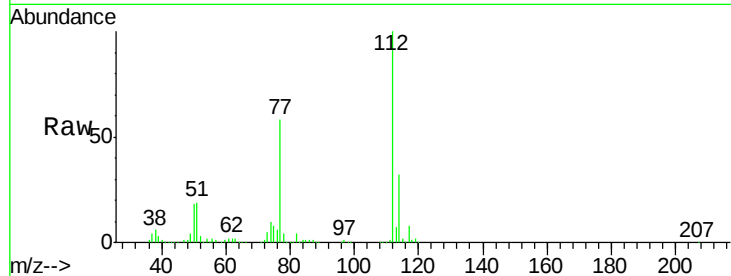
114 31.7 25.0 37.6

Manual Integrations

APPROVED

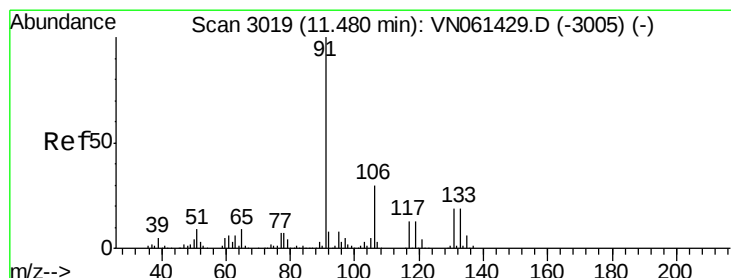
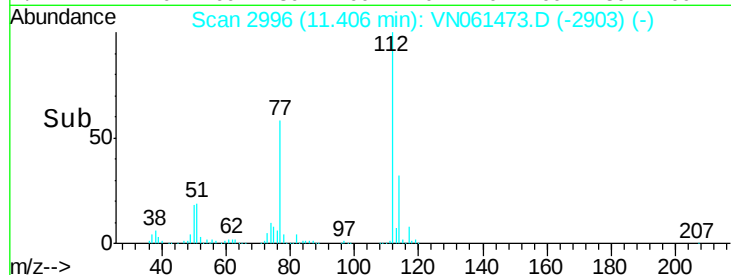
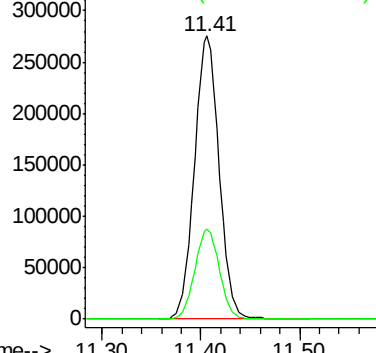
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.322 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

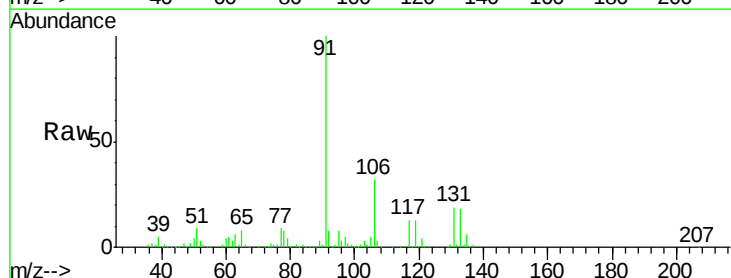
Tgt Ion:131 Resp: 178148

Ion Ratio Lower Upper

131 100

133 96.2 48.7 146.1

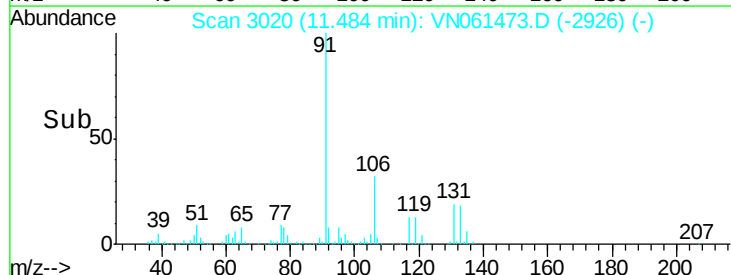
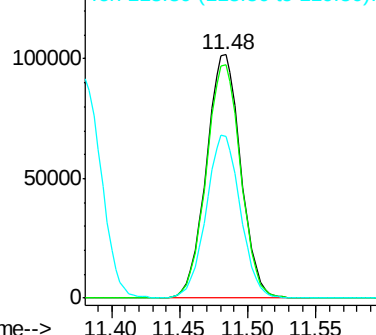
119 66.5 33.8 101.3

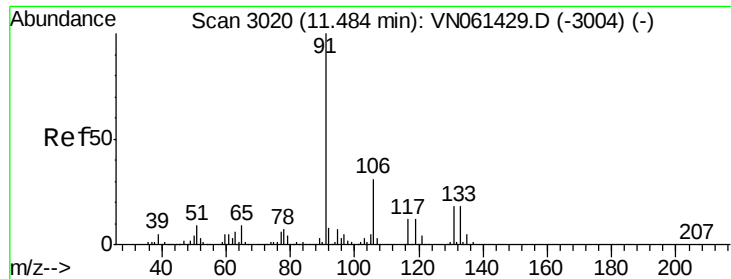


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





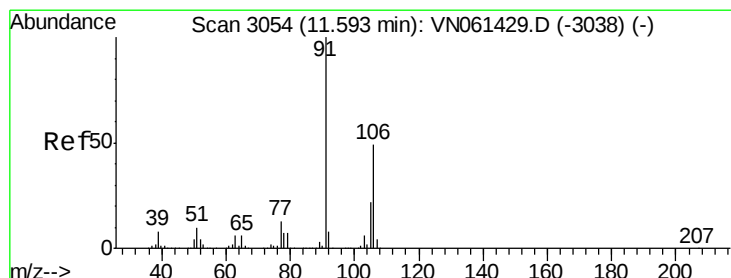
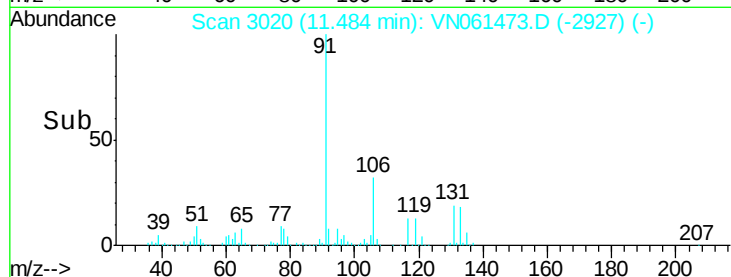
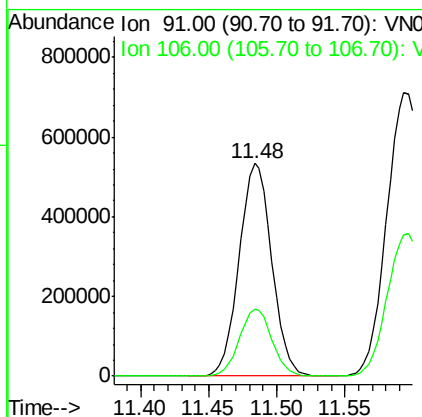
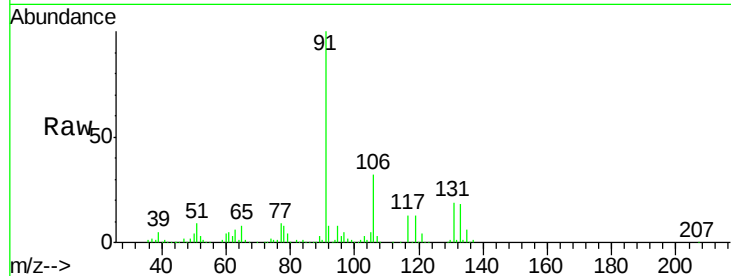
#67
Ethyl Benzene
Concen: 48.221 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 886842
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8

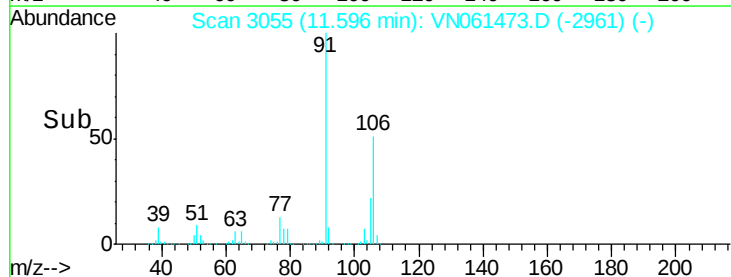
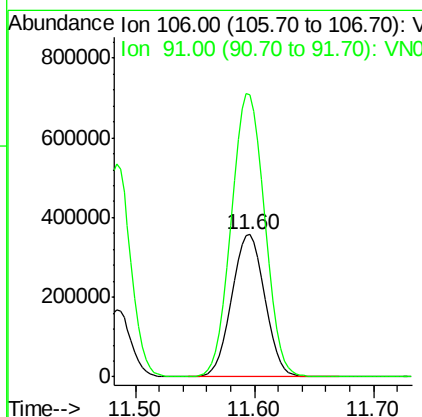
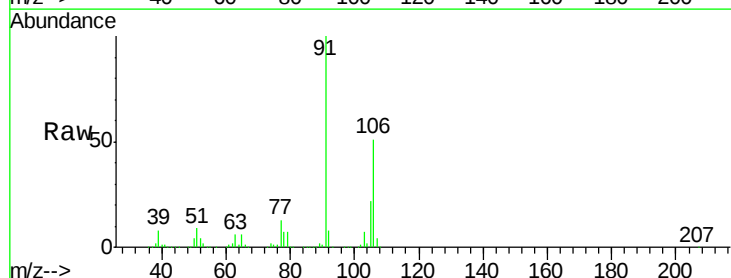
Manual Integrations
APPROVED

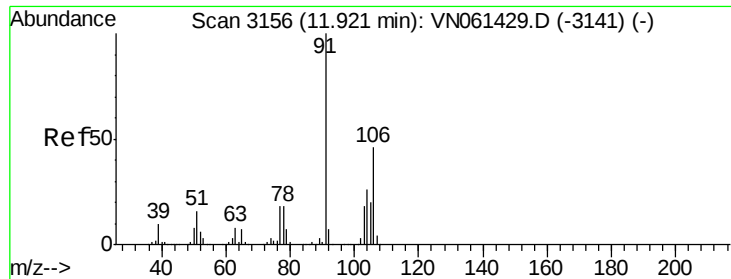
MMDadoda
5/19/2020 4:24:07 PM



#68
m/p-Xylenes
Concen: 98.555 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion: 106 Resp: 687989
Ion Ratio Lower Upper
106 100
91 200.9 163.0 244.6





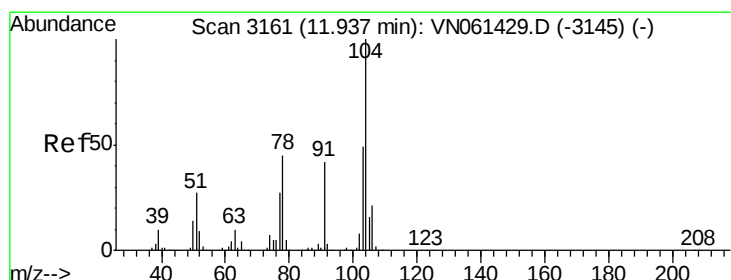
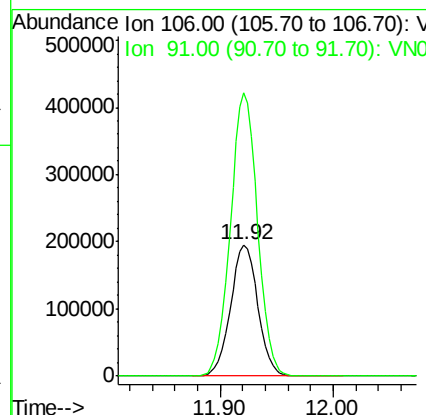
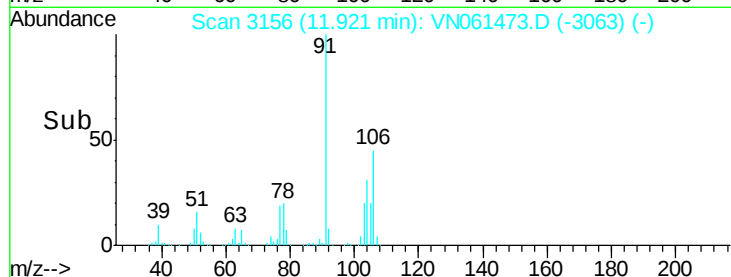
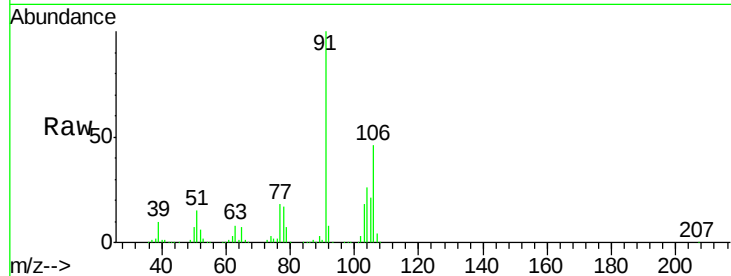
#69
o-Xylene
Concen: 48.283 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	107.9	323.7

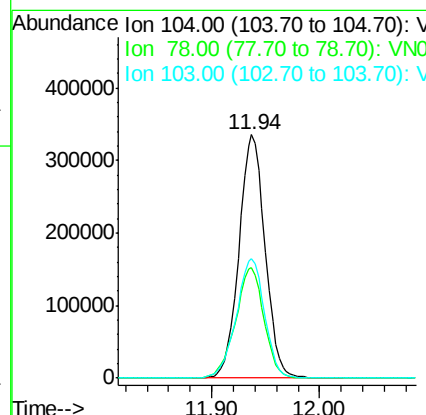
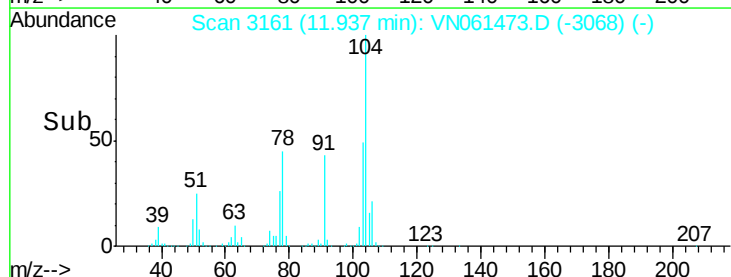
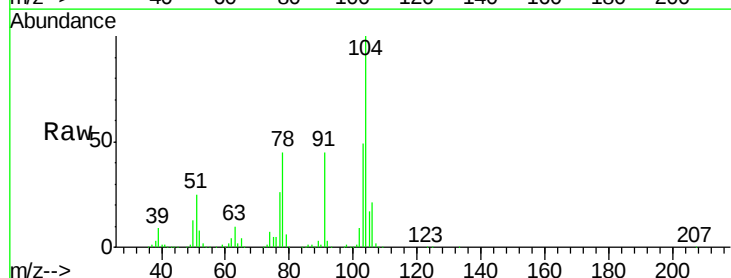
Manual Integrations
APPROVED

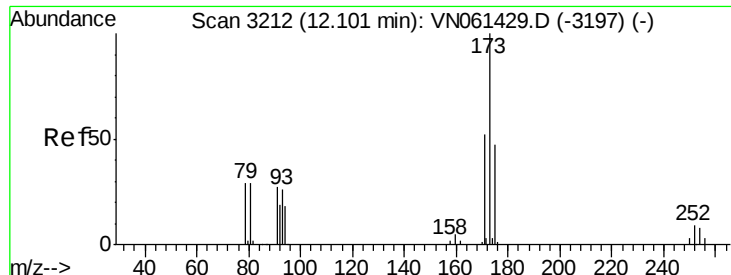
MMDadoda
5/19/2020 4:24:07 PM



#70
Styrene
Concen: 50.469 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.7	40.7	61.1
103	53.2	43.0	64.4





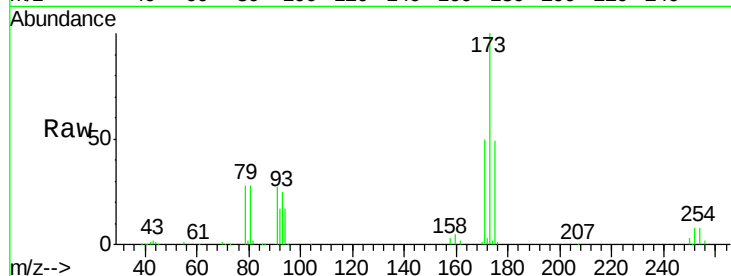
#71
Bromoform
Concen: 46.638 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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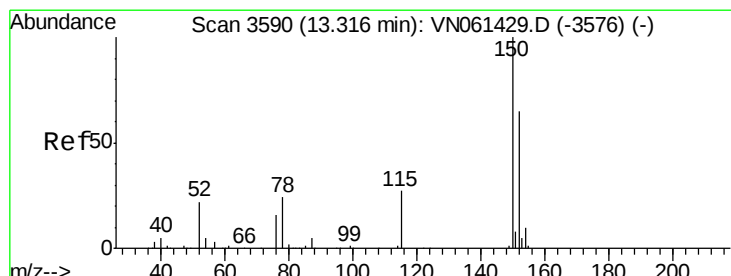
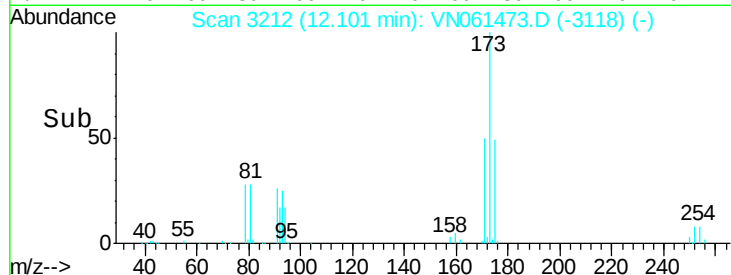
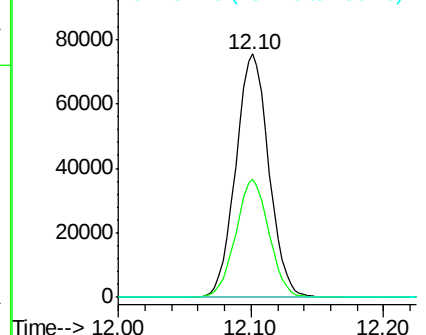


Abundance

Ion 172.70 (172.40 to 173.40): V

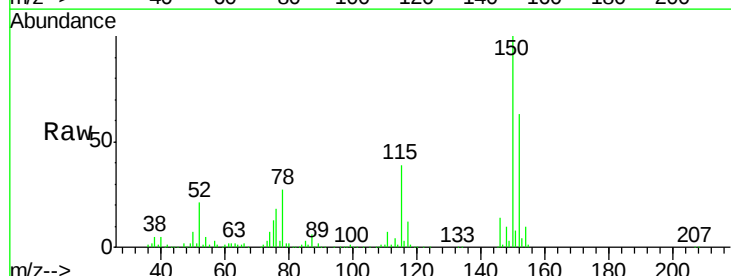
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.9	92.5
150	174.4	0.0	349.2

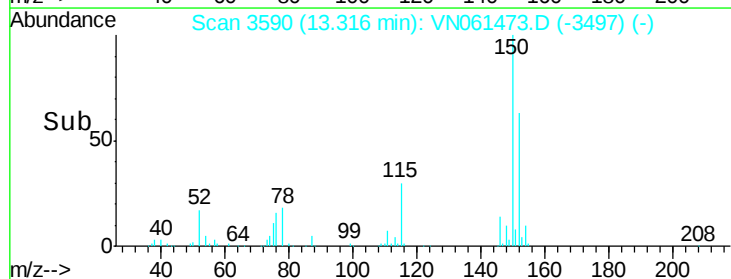
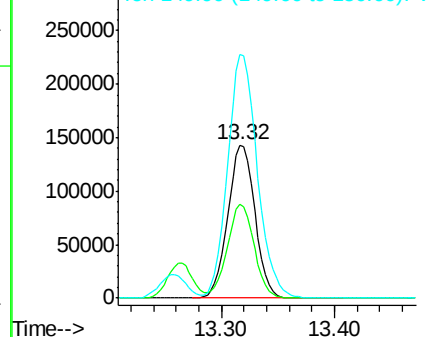


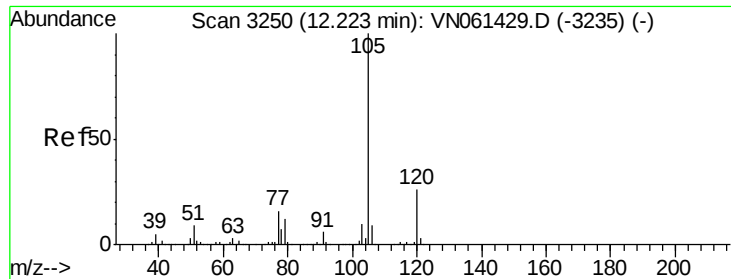
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





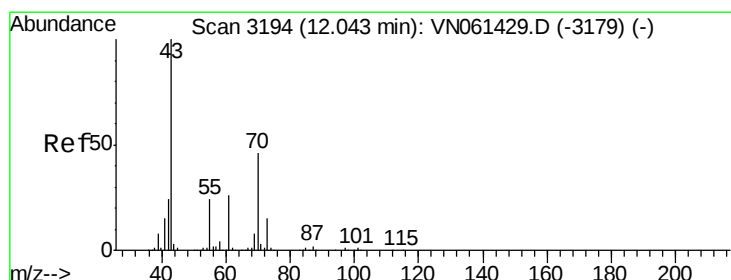
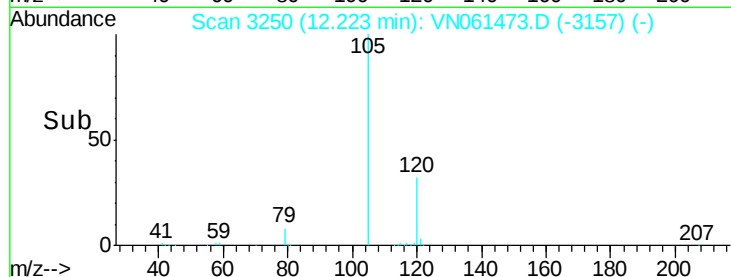
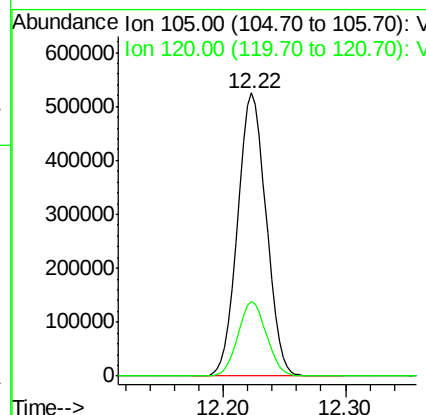
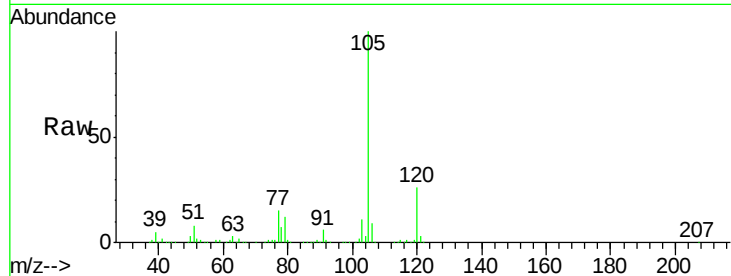
#73
Isopropylbenzene
Concen: 44.526 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.0	39.0

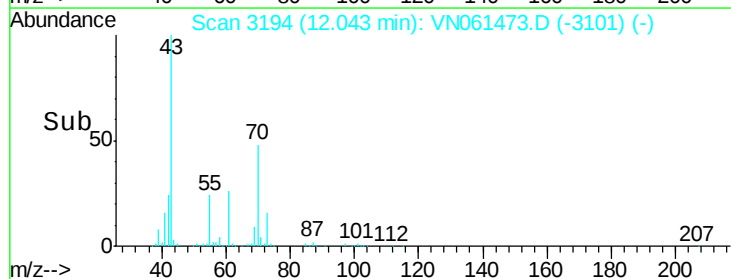
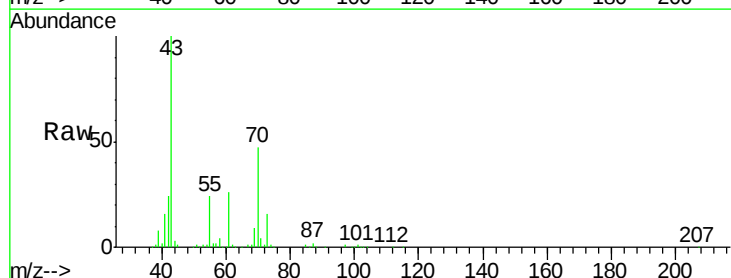
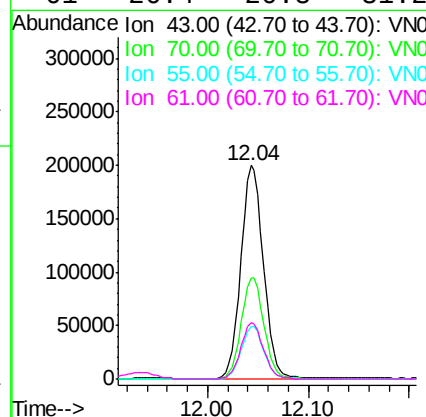
Manual Integrations
APPROVED

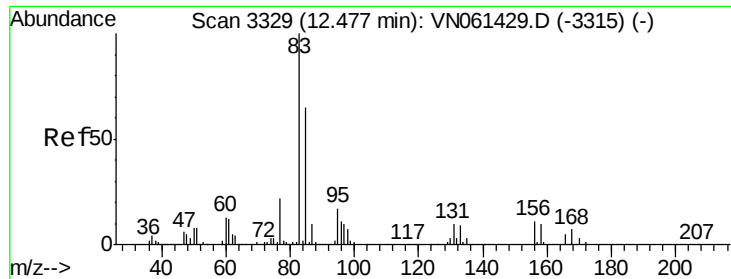
MMDadoda
5/19/2020 4:24:07 PM



#74
N-ethyl acetate
Concen: 44.471 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.7	37.0	55.4
55	24.7	19.5	29.3
61	26.4	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.076 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

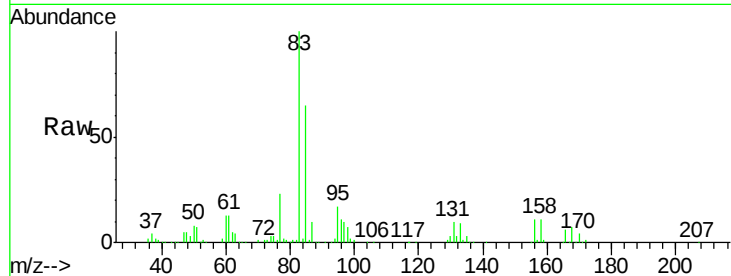
ClientSampleId :

VSTDCCC050EC

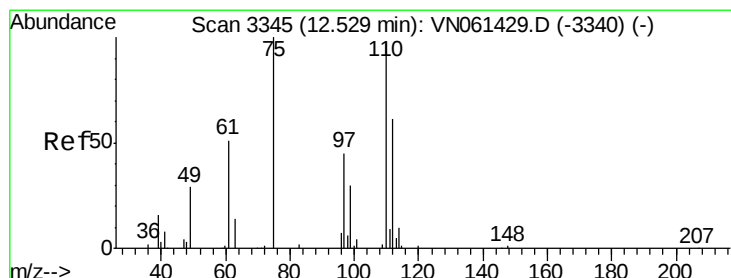
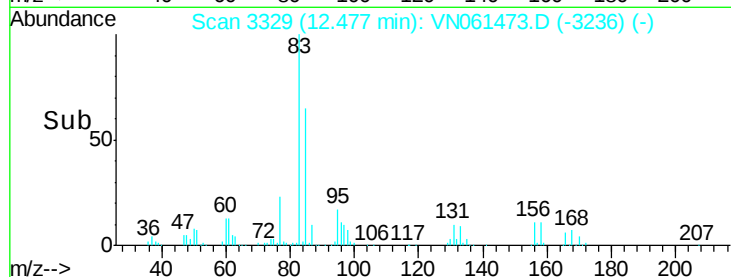
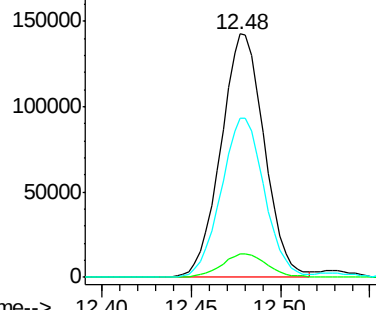
Tot Ion:	83	Resp:	242432
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.4
85	65.2	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-3315) (-)



#76

1,2,3-Trichloropropane

Concen: 44.191 ug/l m

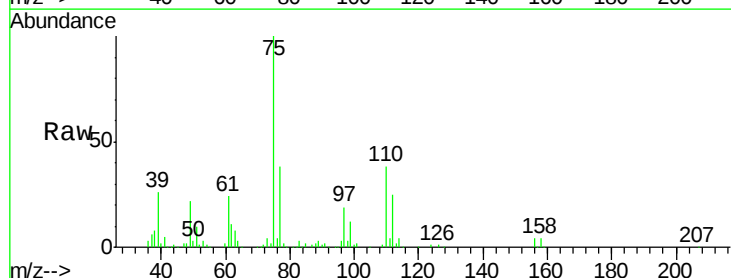
RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

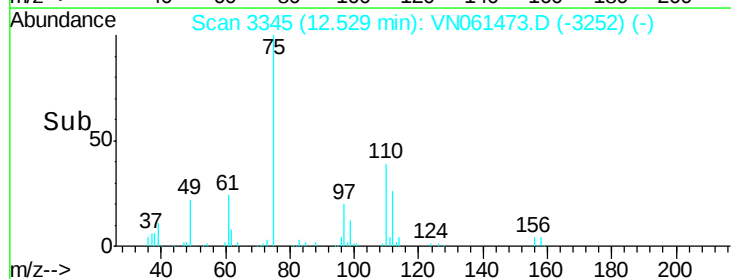
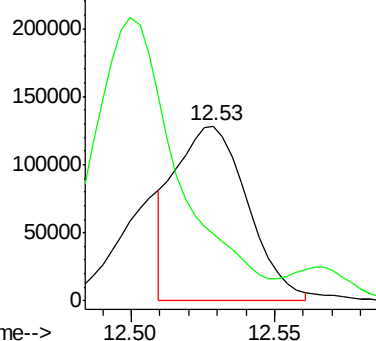
Lab File: VN061473.D

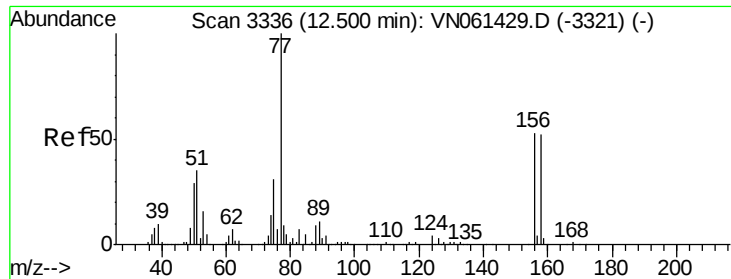
Acq: 19 May 2020 10:26

Tgt Ion:	75	Resp:	225888
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3340) (-)





#77

Bromobenzene

Concen: 47.879 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

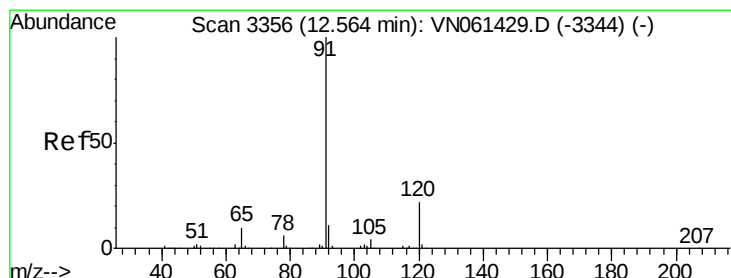
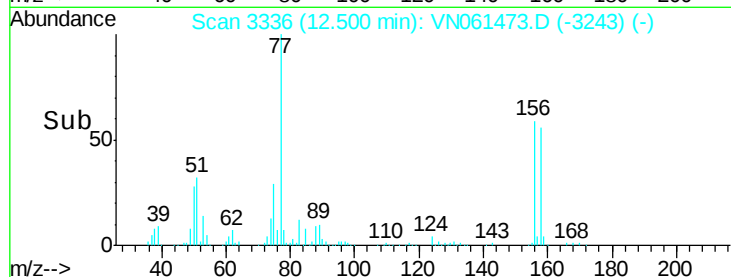
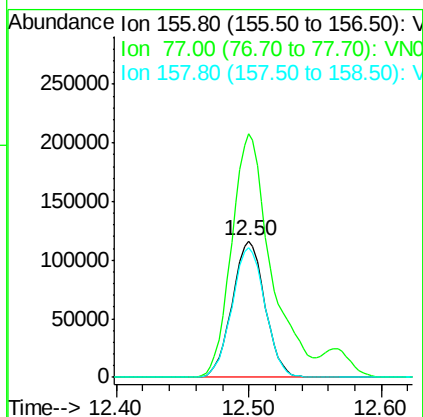
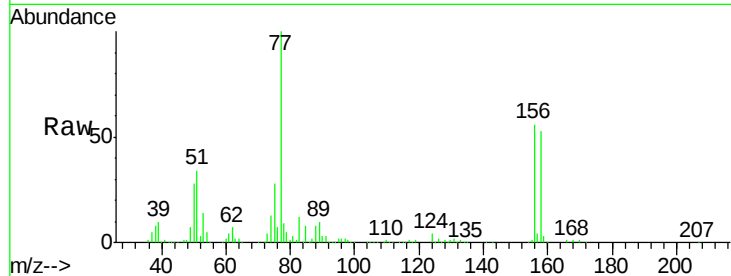
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	198717
Ion Ratio	Lower	Upper	
156	100		
77	215.9	112.3	336.9
158	96.9	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 43.834 ug/l

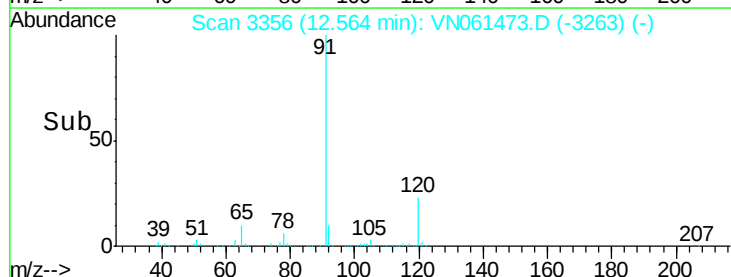
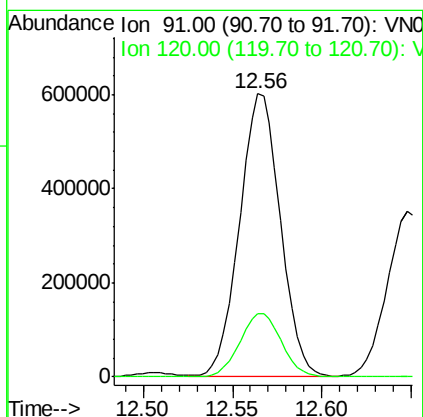
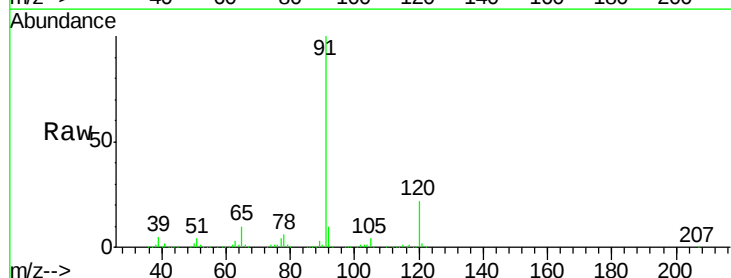
RT: 12.56 min Scan# 3356

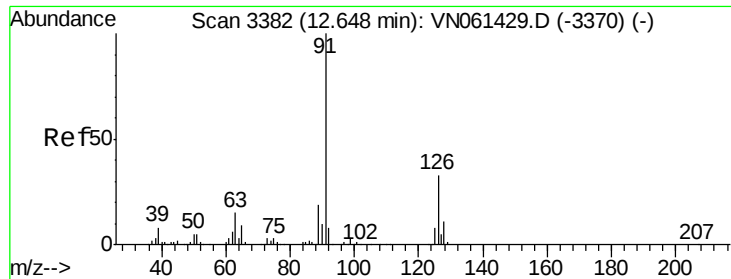
Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	91	Resp:	955149
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.2	33.6





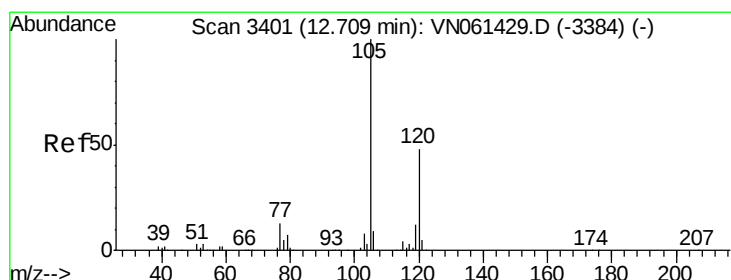
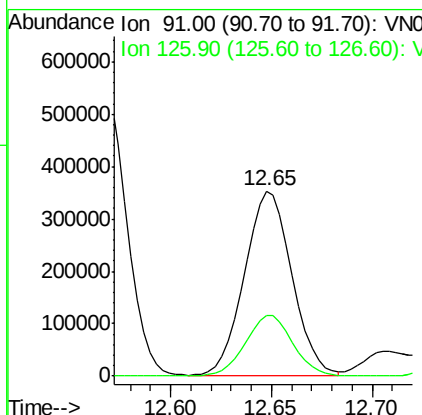
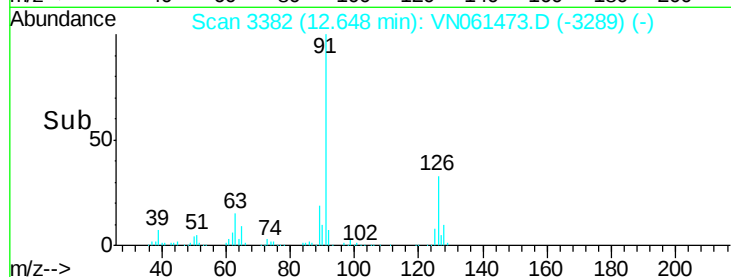
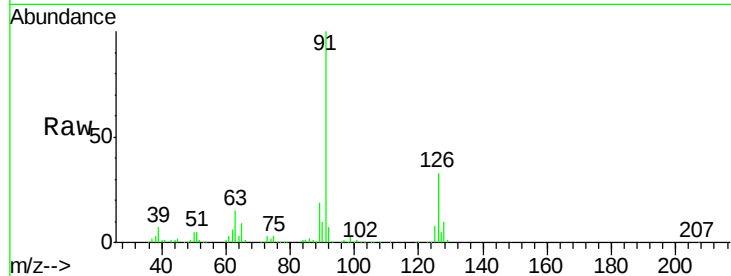
#79
 2-Chlorotoluene
 Concen: 44.906 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 578370
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.3 48.9

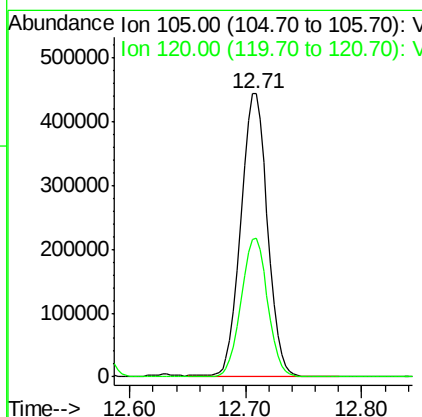
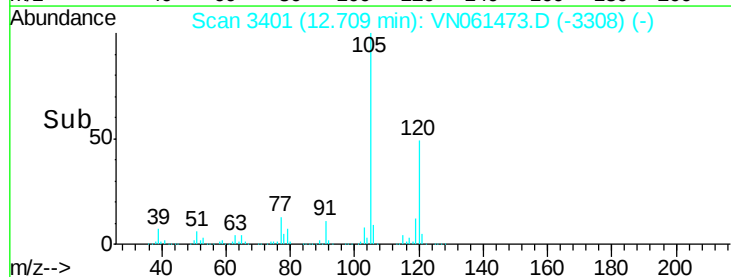
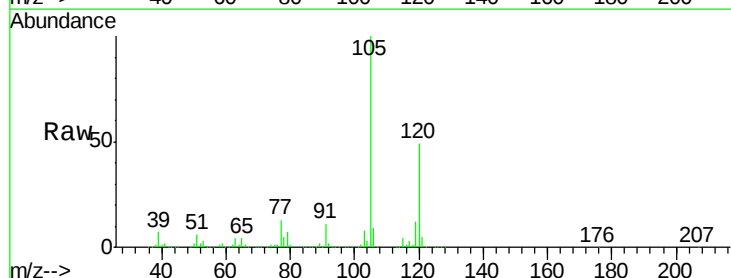
Manual Integrations
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#80
 1,3,5-Trimethylbenzene
 Concen: 45.355 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion: 105 Resp: 710196
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 40.344 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 77739

Ion Ratio Lower Upper

75 100

53 91.8 75.2 112.8

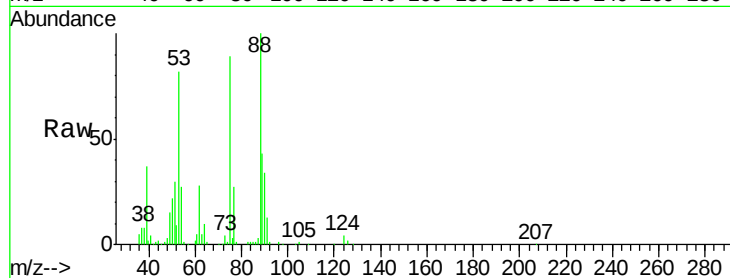
89 46.6 38.2 57.4

Manual Integrations

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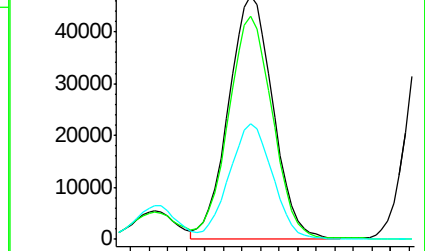
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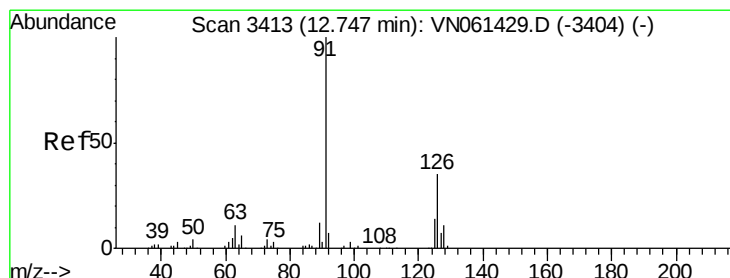
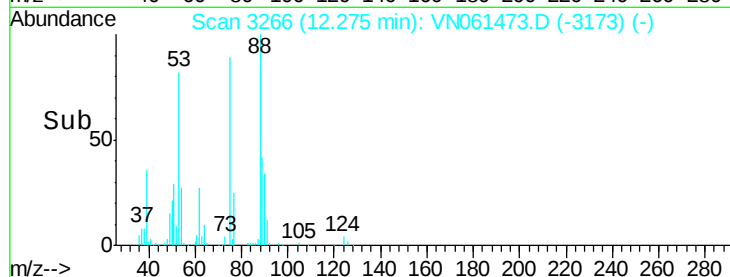
Abundance Ion 74.90 (74.60 to 75.60): VN061473.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061473.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061473.D (-3173) (-)



Time-->



#82

4-Chlorotoluene

Concen: 46.170 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061473.D

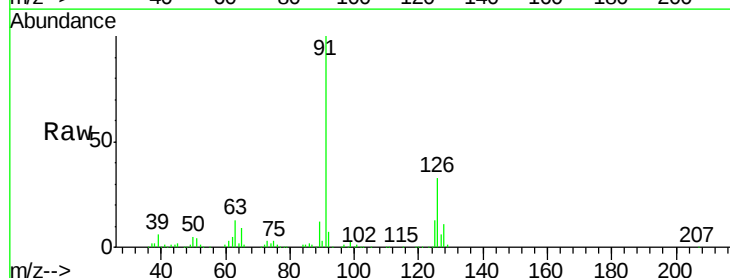
Acq: 19 May 2020 10:26

Tgt Ion: 91 Resp: 615731

Ion Ratio Lower Upper

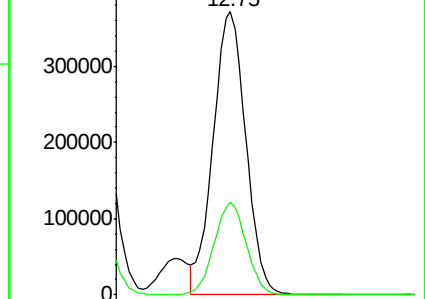
91 100

126 32.2 16.1 48.2

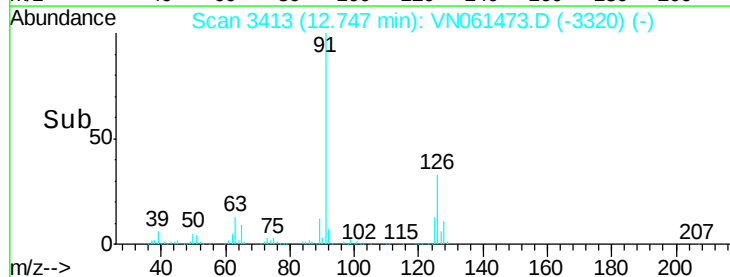


Abundance Ion 91.00 (90.70 to 91.70): VN061473.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061473.D (-3320) (-)



Time-->





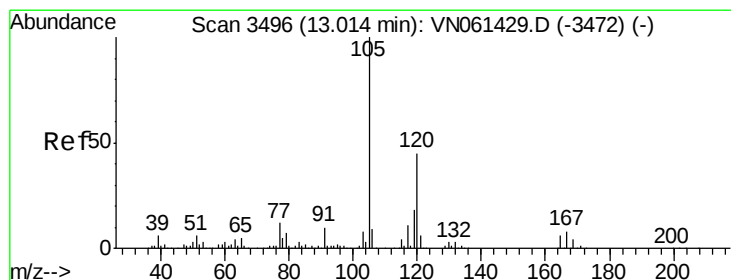
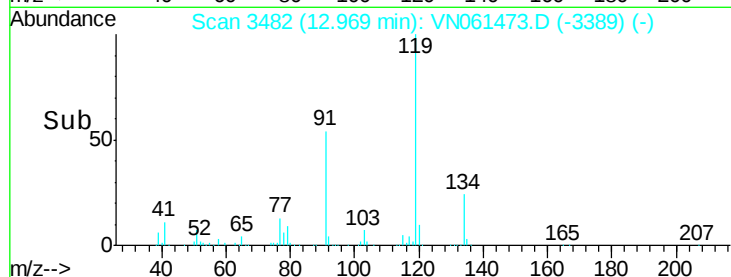
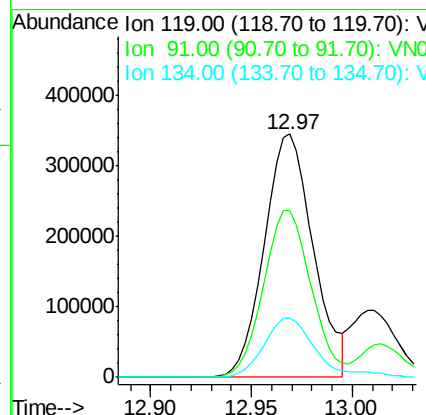
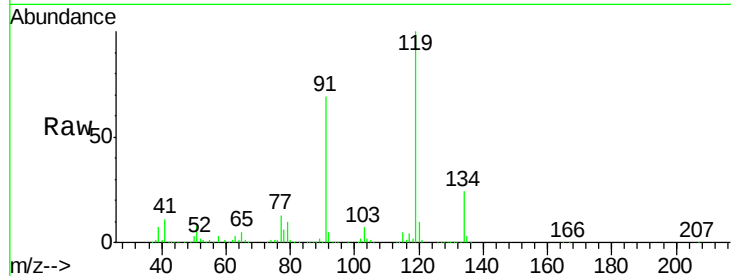
#83
tert-Butylbenzene
Concen: 43.484 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.7	101.0
134	26.0	12.8	38.3

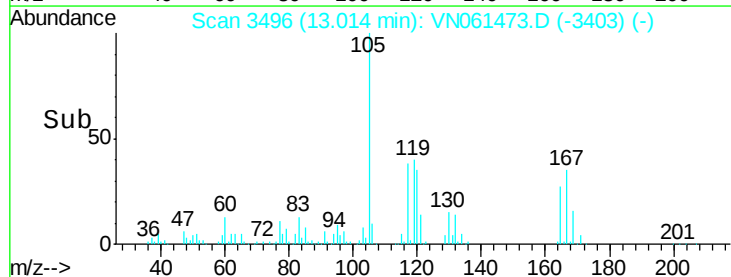
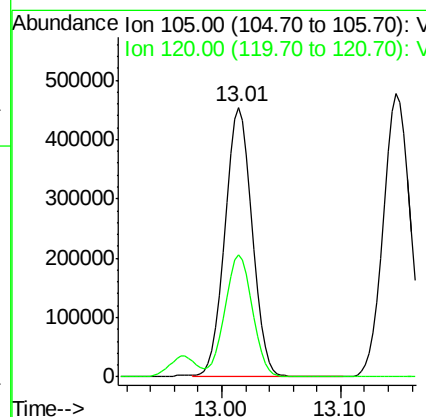
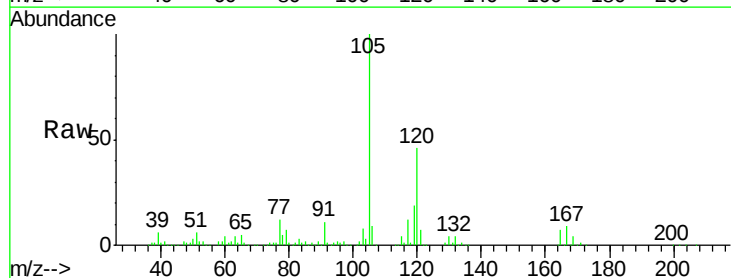
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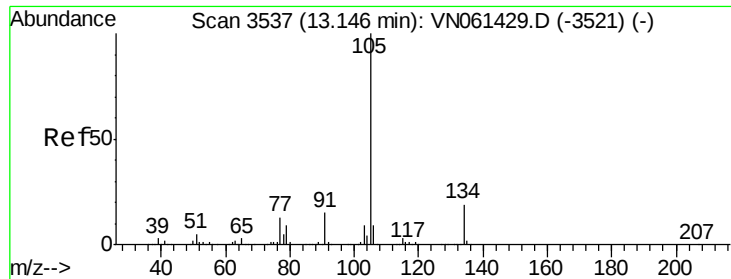
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#84
1,2,4-Trimethylbenzene
Concen: 45.759 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.4	67.3





#85

sec-Butylbenzene

Concen: 41.393 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 750742

Ion Ratio Lower Upper

105 100

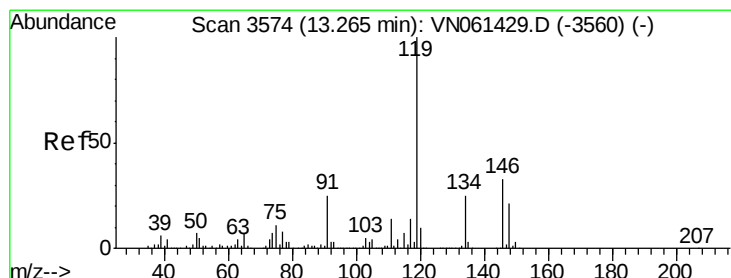
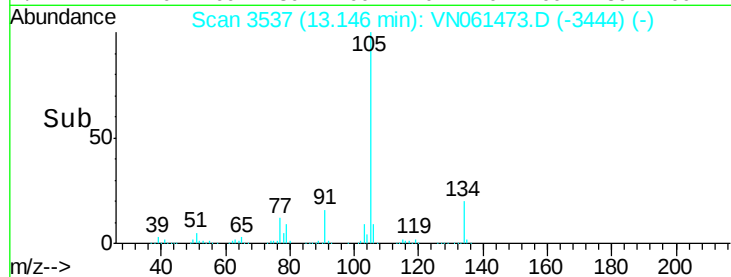
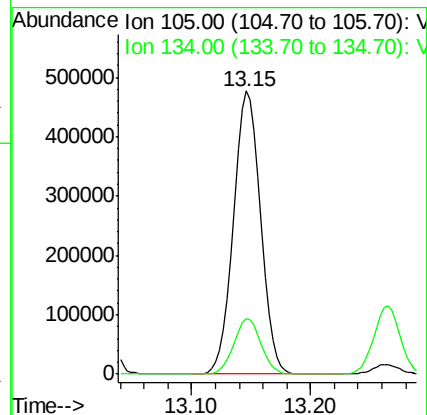
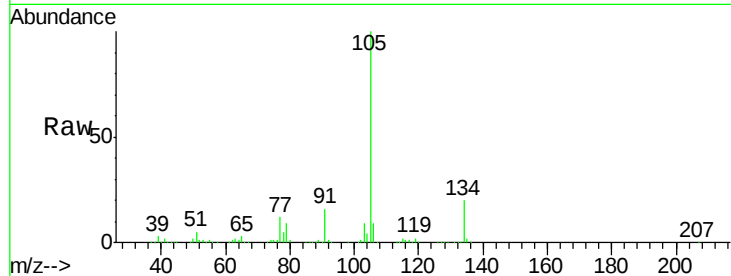
134 19.7 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 42.445 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

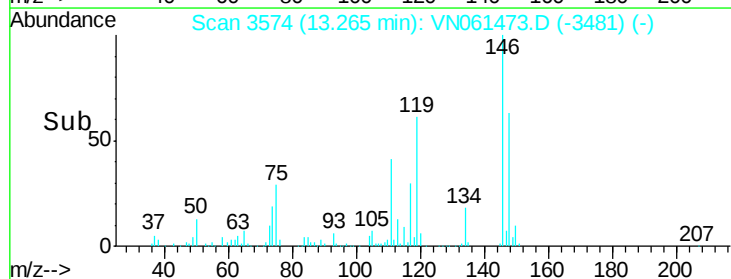
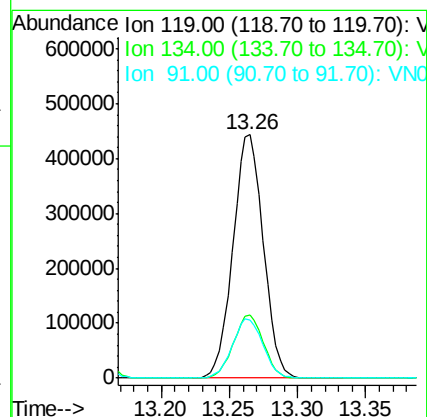
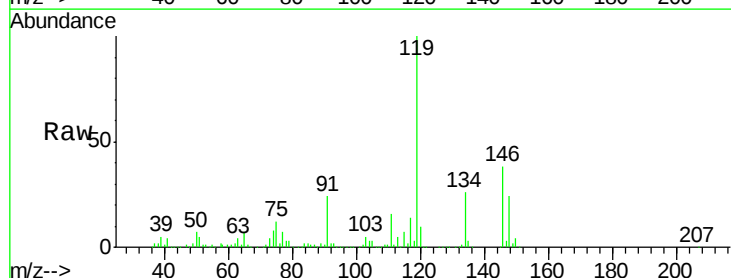
Tgt Ion:119 Resp: 683582

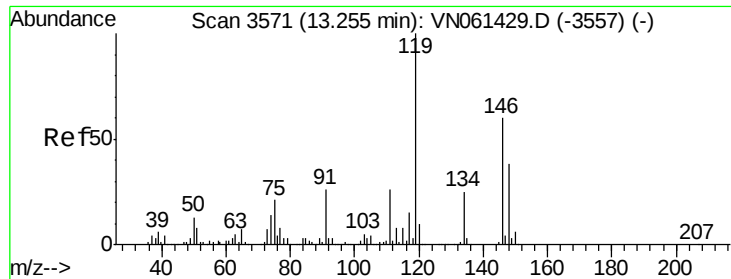
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.6 12.6 37.6





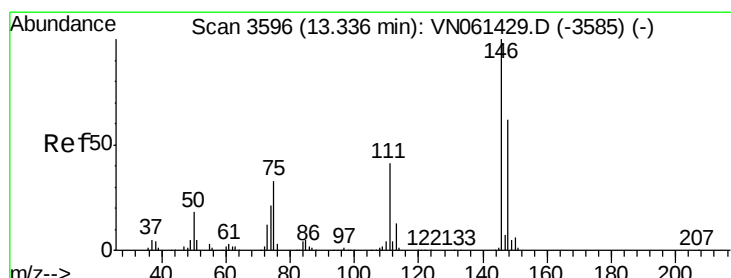
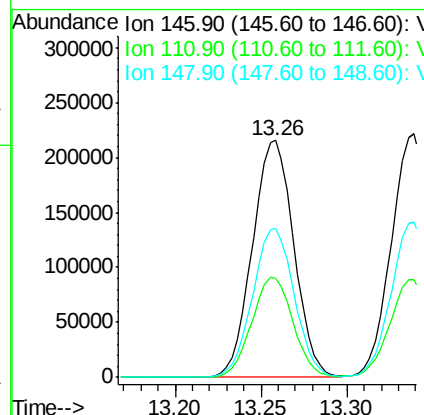
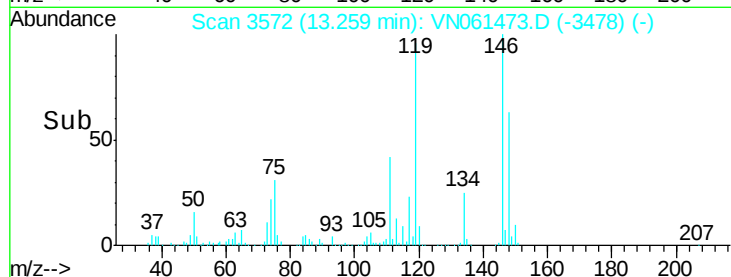
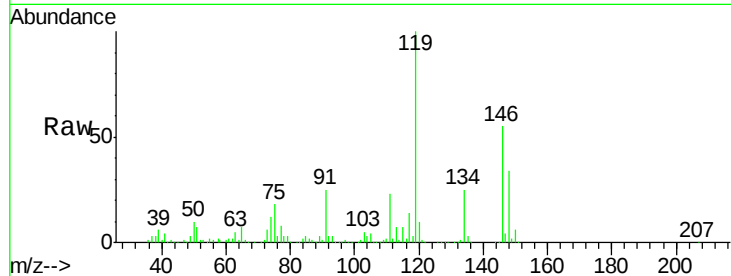
#87
 1,3-Dichlorobenzene
 Concen: 47.500 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.5	64.5
148	63.0	31.8	95.3

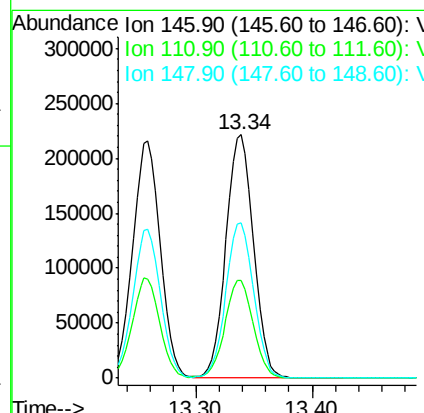
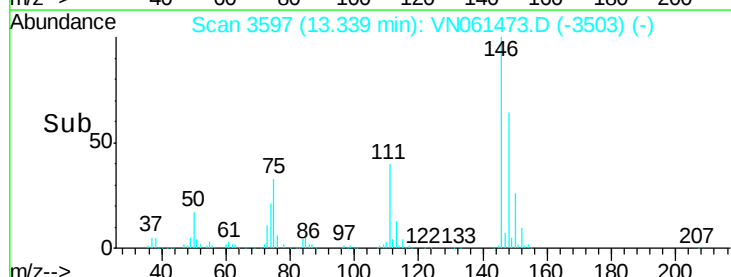
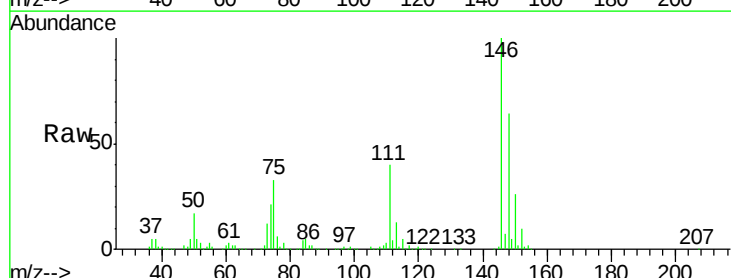
Manual Integrations
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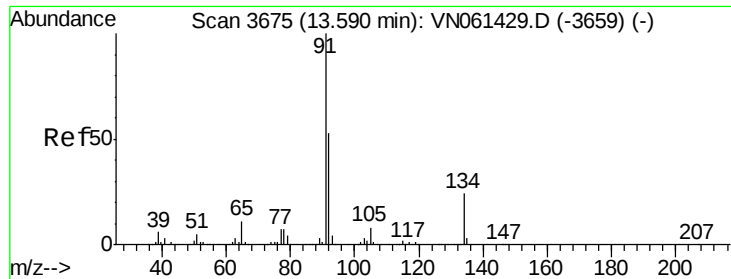
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#88
 1,4-Dichlorobenzene
 Concen: 47.850 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.5
148	64.7	31.6	94.8





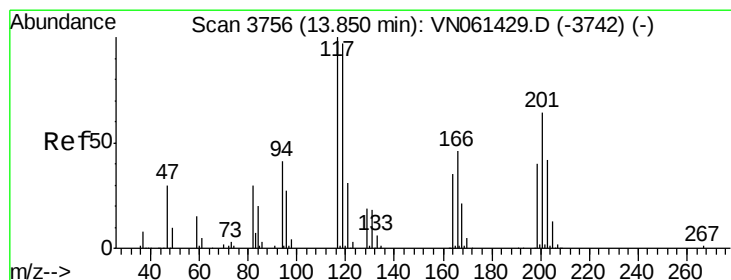
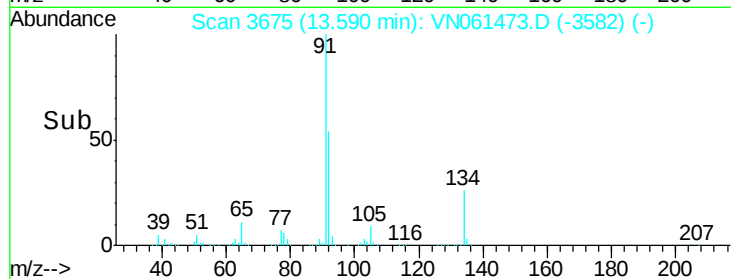
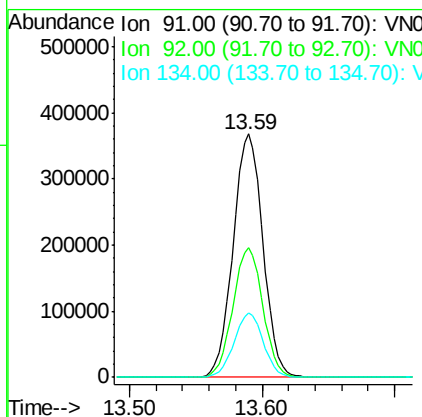
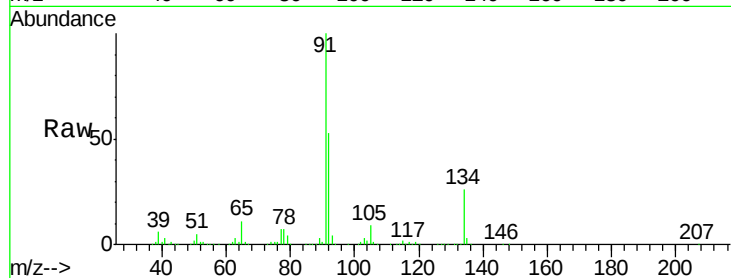
#89
n-Butylbenzene
Concen: 39.190 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	26.3	12.4	37.4

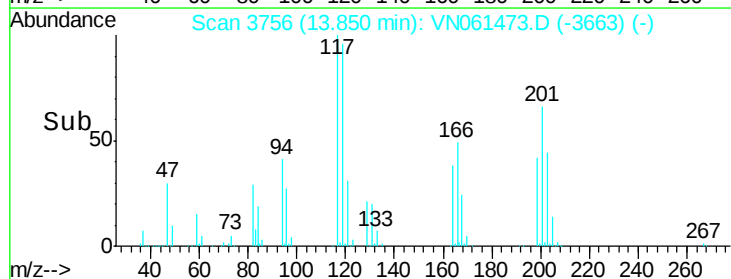
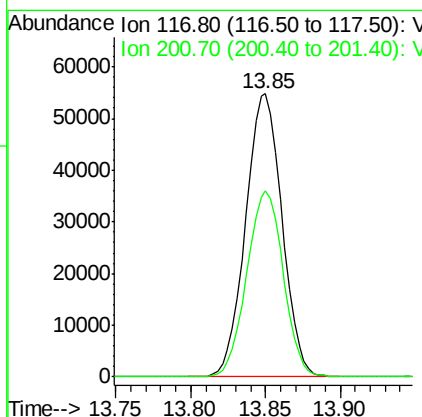
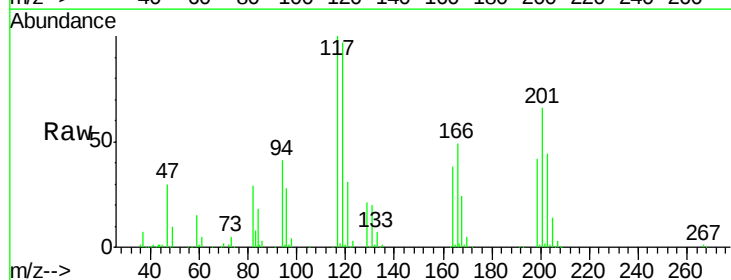
Manual Integrations
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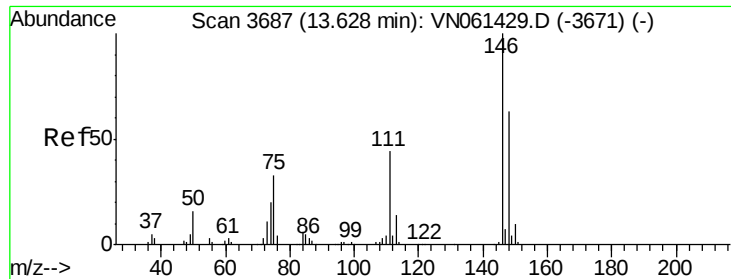
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#90
Hexachloroethane
Concen: 42.543 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061473.D
Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.7	32.9	98.7





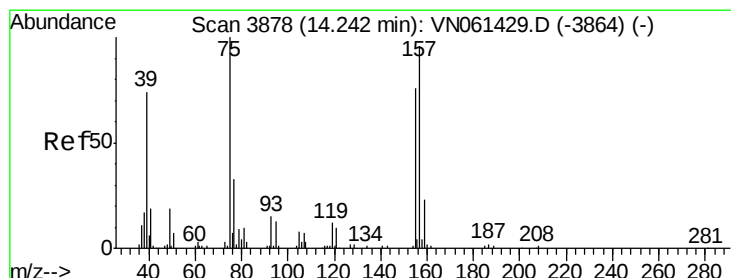
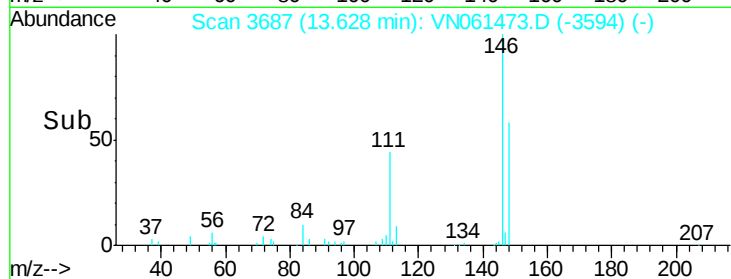
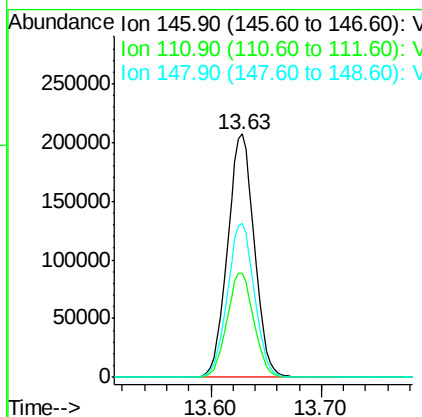
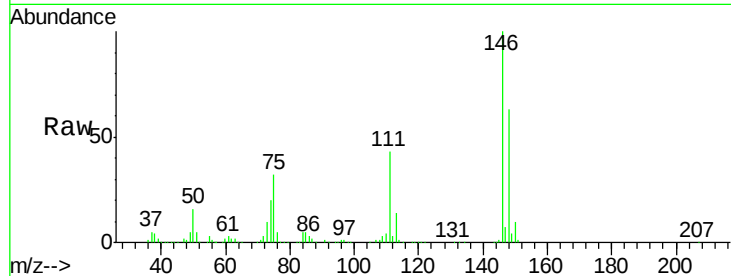
#91
 1,2-Dichlorobenzene
 Concen: 47.750 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.9	65.7
148	63.9	31.6	94.7

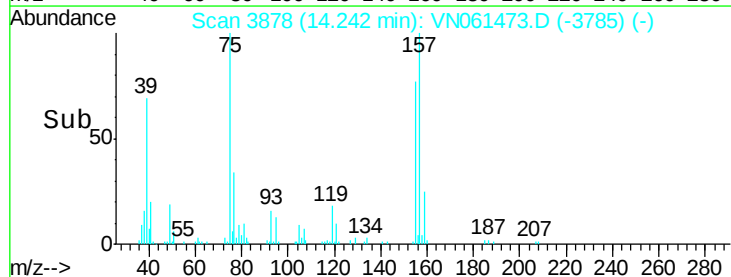
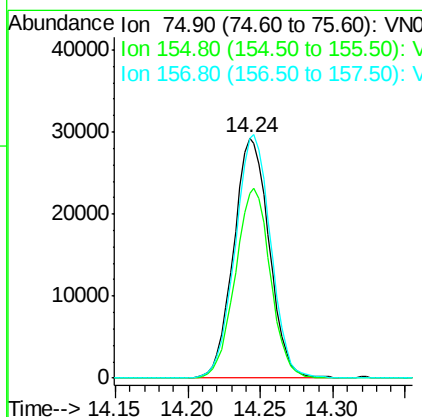
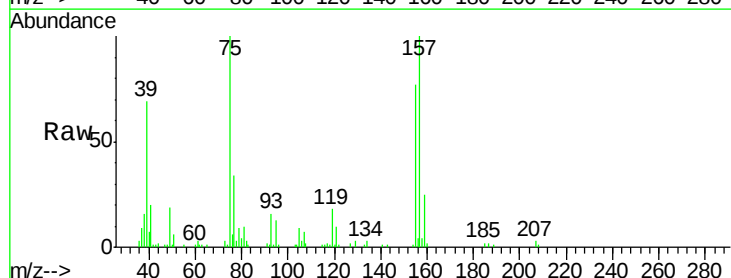
Manual Integrations
 APPROVED

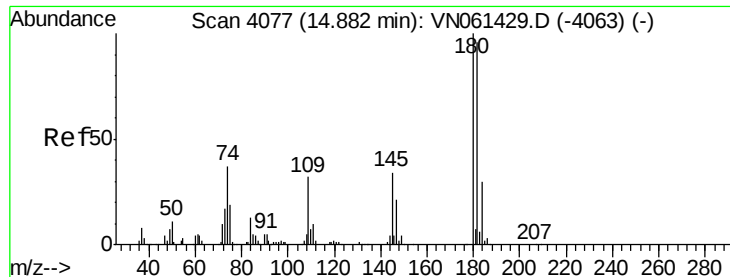
MMDadoda
 5/19/2020 4:24:07 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.933 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061473.D
 Acq: 19 May 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	38.9	116.7
157	101.3	48.6	145.8





#93

1,2,4-Trichlorobenzene

Concen: 44.766 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

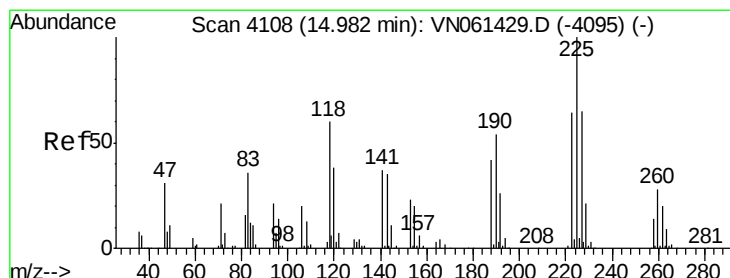
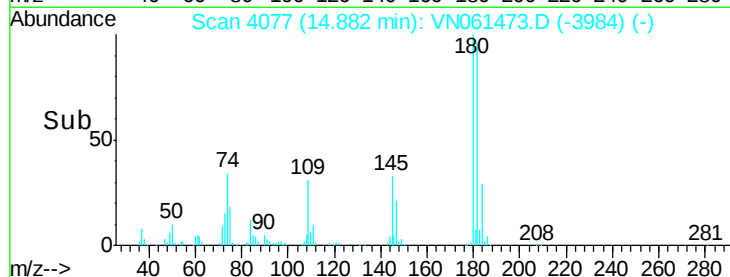
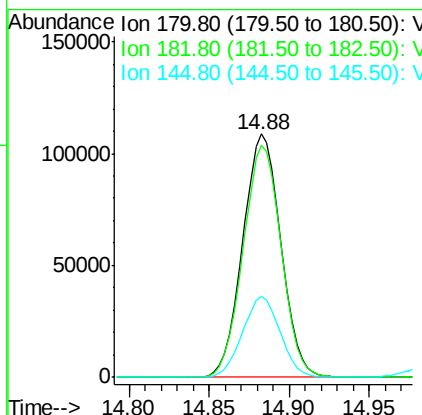
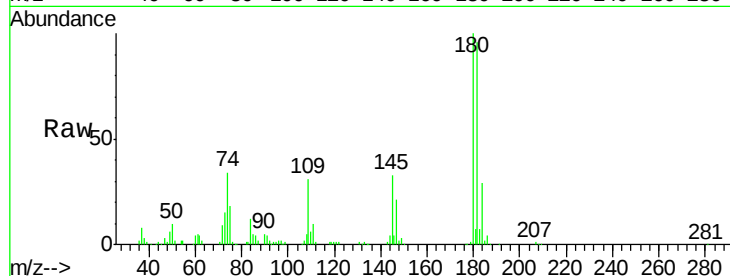
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	176856
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.0	141.0
145	32.9	16.7	50.0

Manual Integrations
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5/19/2020 4:24:07 PM



#94

Hexachlorobutadiene

Concen: 35.272 ug/l

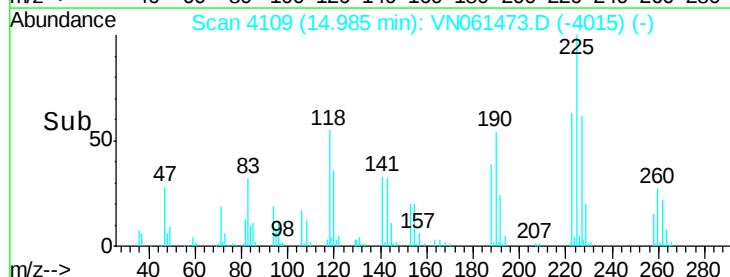
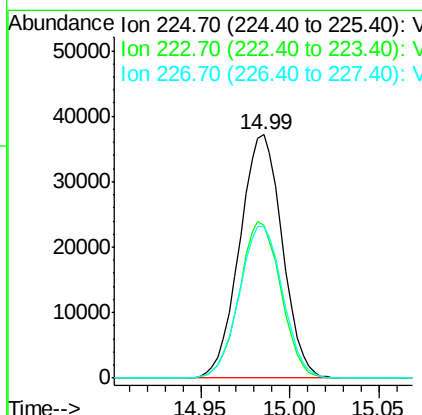
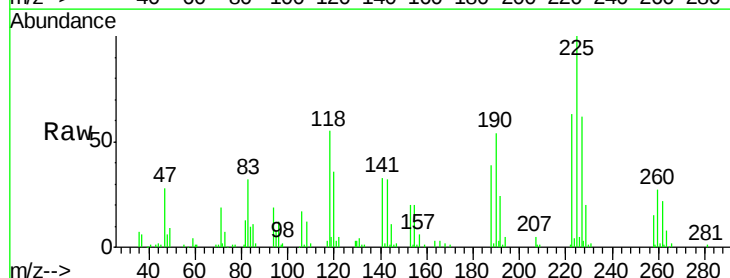
RT: 14.99 min Scan# 4109

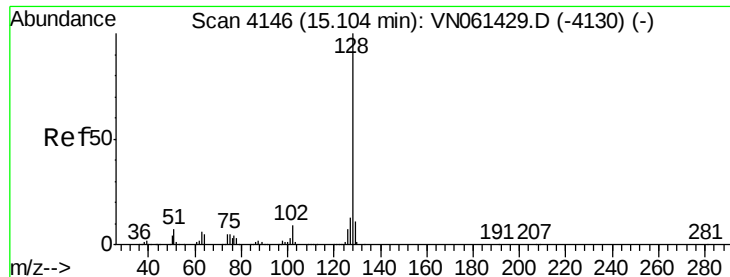
Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	225	Resp:	61915
Ion Ratio	Lower	Upper	
225	100		
223	62.6	31.9	95.7
227	63.5	31.5	94.5





#95

Naphthalene

Concen: 50.035 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Instrument :

MSVOA_N

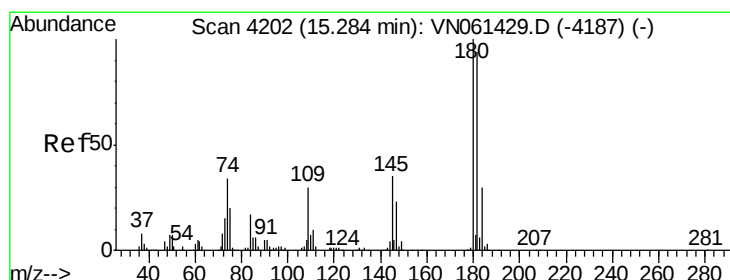
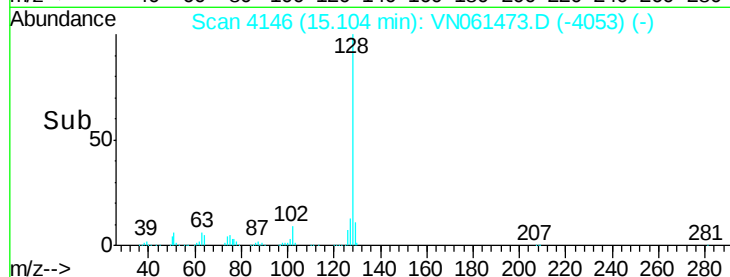
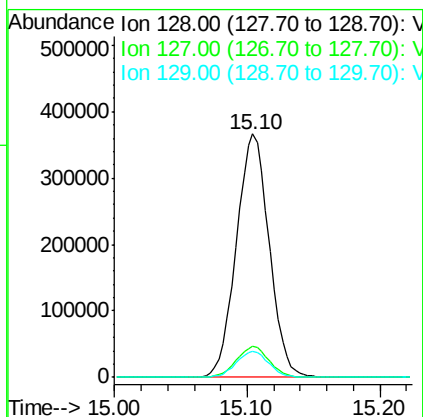
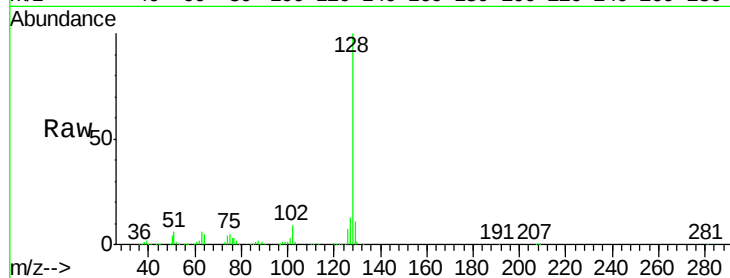
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	628425
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.1	15.1
129	10.6	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 44.046 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061473.D

Acq: 19 May 2020 10:26

Tgt Ion:	180	Resp:	173229
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.8	143.3
145	35.2	17.3	51.9

