

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061541.D
 Acq On : 28 May 2020 18:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:50 PM

Quant Time: May 29 01:58:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	388098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	652759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	617635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	314525	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	232646	41.48	ug/l	0.00
Spiked Amount			Recovery	=	82.96%	
35) Dibromofluoromethane	7.55	113	168645	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
50) Toluene-d8	10.06	98	776830	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.38	95	277960	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	219258	64.378	ug/l	100
3) Chloromethane	2.03	50	238284	45.635	ug/l	100
4) Vinyl Chloride	2.16	62	327164	44.398	ug/l	100
5) Bromomethane	2.53	94	189731	46.396	ug/l	100
6) Chloroethane	2.67	64	204655	41.481	ug/l	100
7) Trichlorofluoromethane	2.98	101	414554	45.862	ug/l	100
8) Diethyl Ether	3.37	74	120484	45.687	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	177468	47.145	ug/l	100
10) Methyl Iodide	3.91	142	254776	53.562	ug/l	100
11) Tert butyl alcohol	4.73	59	150353	231.554	ug/l	100
12) 1,1-Dichloroethene	3.69	96	185609	46.761	ug/l	100
13) Acrolein	3.56	56	43759	94.589	ug/l	100
14) Allyl chloride	4.27	41	248118	40.032	ug/l	100
15) Acrylonitrile	4.93	53	427738	221.996	ug/l	100
16) Acetone	3.77	43	320037	186.089	ug/l	100
17) Carbon Disulfide	4.01	76	411081	42.195	ug/l	100
18) Methyl Acetate	4.27	43	201582	45.510	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	645005	43.669	ug/l	100
20) Methylene Chloride	4.50	84	209939	44.725	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	208110	45.986	ug/l	100
22) Diisopropyl ether	5.90	45	560315	40.098	ug/l	100
23) Vinyl Acetate	5.84	43	2287325	205.891	ug/l	100
24) 1,1-Dichloroethane	5.80	63	350463	42.610	ug/l	100
25) 2-Butanone	6.79	43	529707	207.585	ug/l	100
26) 2,2-Dichloropropane	6.78	77	307114	39.394	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	247929	46.443	ug/l	100
28) Bromochloromethane	7.15	49	136915	40.254	ug/l	100
29) Tetrahydrofuran	7.17	42	353959	209.457	ug/l	100
30) Chloroform	7.33	83	389514	45.094	ug/l	100
31) Cyclohexane	7.61	56	315080	40.296	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	354538	44.862	ug/l	100
36) 1,1-Dichloropropene	7.75	75	283269	47.100	ug/l	100
37) Ethyl Acetate	6.88	43	237794	43.688	ug/l	100
38) Carbon Tetrachloride	7.73	117	280607	50.431	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	351401	47.726	ug/l	100
40) Benzene	8.00	78	859236	47.322	ug/l	100
41) Methacrylonitrile	7.12	41	93340	41.710	ug/l	100
42) 1,2-Dichloroethane	8.08	62	286784	44.305	ug/l	100
43) Isopropyl Acetate	8.13	43	408112	43.323	ug/l	100
44) Trichloroethene	8.80	130	272281	55.440	ug/l	100
45) 1,2-Dichloropropane	9.08	63	206730	45.824	ug/l	100
46) Dibromomethane	9.17	93	156761	48.864	ug/l	100
47) Bromodichloromethane	9.37	83	317340	47.448	ug/l	100
48) Methyl methacrylate	9.17	41	178223	41.201	ug/l	100
49) 1,4-Dioxane	9.17	88	53171	981.684	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1178609	229.299	ug/l	100
52) Toluene	10.12	92	573956	49.068	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	343493	47.076	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	363772	46.645	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	224148	50.501	ug/l	100
56) Ethyl methacrylate	10.40	69	328491	47.926	ug/l	100
57) 1,3-Dichloropropane	10.68	76	362713	47.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	689276	229.260	ug/l	100
59) 2-Hexanone	10.72	43	849108	228.461	ug/l	100
60) Dibromochloromethane	10.88	129	265824	53.714	ug/l	100
61) 1,2-Dibromoethane	10.98	107	239243	51.127	ug/l	100
64) Tetrachloroethene	10.60	164	284578	57.745	ug/l	100
65) Chlorobenzene	11.41	112	622366	49.557	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	235733	52.030	ug/l	100
67) Ethyl Benzene	11.48	91	1090080	48.130	ug/l	100
68) m/p-Xylenes	11.60	106	867380	100.204	ug/l	100
69) o-Xylene	11.92	106	415294	49.569	ug/l	100
70) Styrene	11.94	104	704087	50.847	ug/l	100
71) Bromoform	12.10	173	188029	58.030	ug/l #	100
73) Isopropylbenzene	12.22	105	1091328	44.154	ug/l	100
74) N-amyl acetate	12.05	43	356950	40.102	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	300428	44.144	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	264977m	40.469	ug/l	
77) Bromobenzene	12.50	156	281608	51.110	ug/l	100
78) n-propylbenzene	12.57	91	1222028	43.650	ug/l	100
79) 2-Chlorotoluene	12.65	91	718942	43.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	924866	45.663	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	108870	43.756	ug/l	100
82) 4-Chlorotoluene	12.75	91	760484	44.235	ug/l	100
83) tert-Butylbenzene	12.97	119	801335	46.055	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	932886	46.030	ug/l	100
85) sec-Butylbenzene	13.15	105	1044961	44.715	ug/l	100
86) p-Isopropyltoluene	13.26	119	975682	46.735	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	500359	50.025	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	504992	50.427	ug/l	100
89) n-Butylbenzene	13.59	91	814606	43.517	ug/l	100
90) Hexachloroethane	13.85	117	105668	38.817	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	484829	50.525	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	61702	44.875	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	289449	55.116	ug/l	100
94) Hexachlorobutadiene	14.99	225	115431	49.952	ug/l	100
95) Naphthalene	15.10	128	918690	55.200	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	286447	54.607	ug/l	100

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

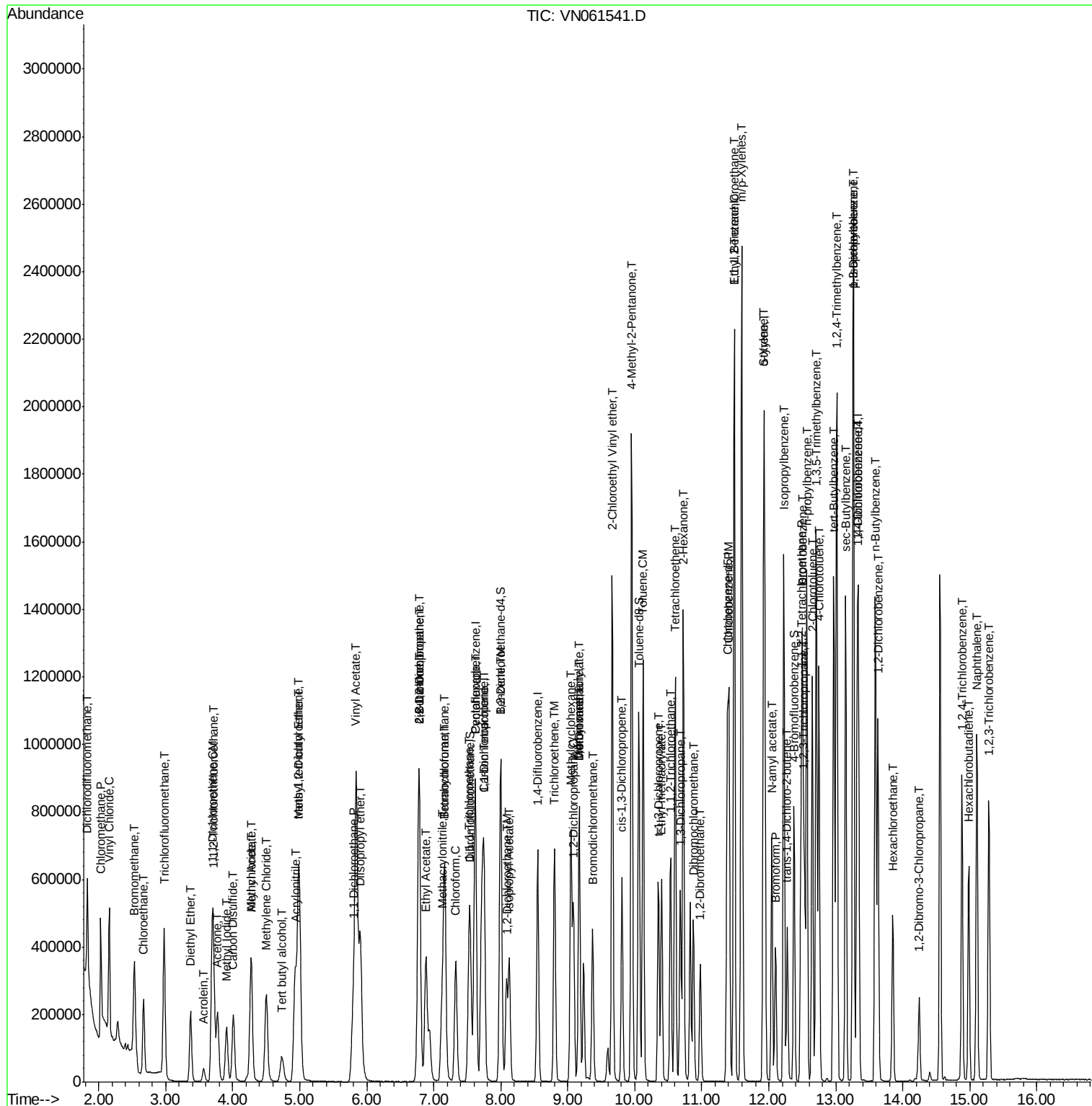
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 388098

Ion Ratio Lower Upper

168 100

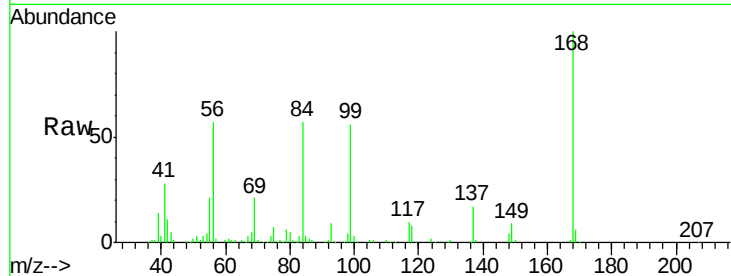
99 56.2 45.0 67.4

Manual Integrations

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5/29/2020 5:46:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

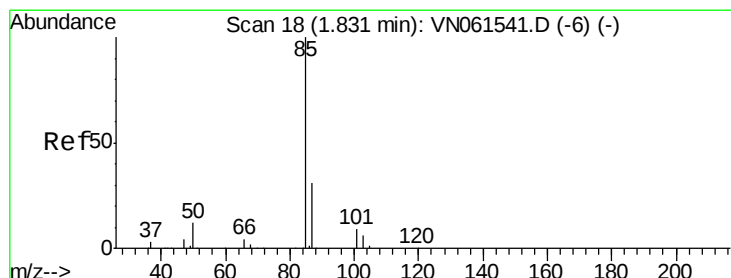
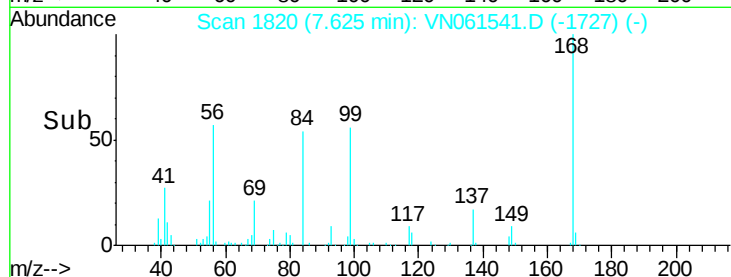
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 64.378 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061541.D

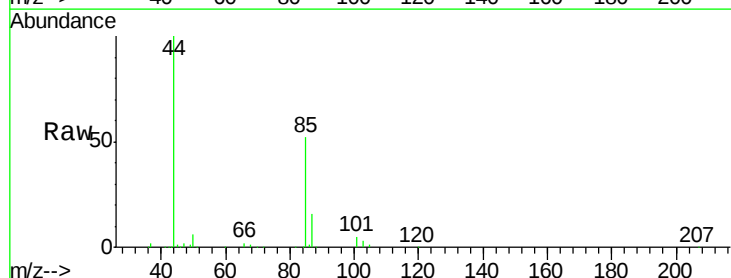
Acq: 28 May 2020 18:55

Tgt Ion: 85 Resp: 219258

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

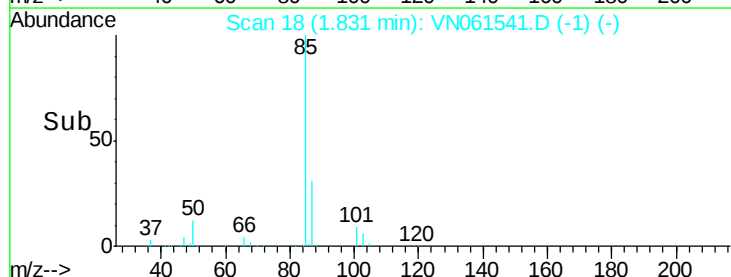
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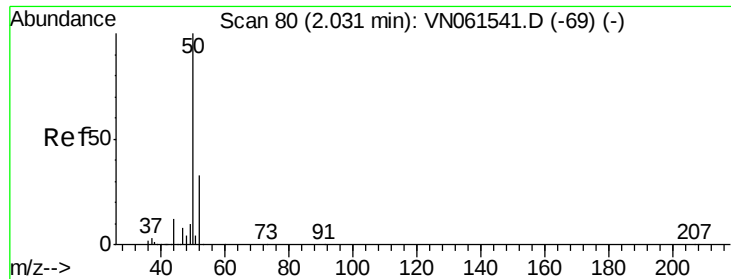
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50000

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Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 45.635 ug/l

RT: 2.03 min Scan# 80

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 238284

Ion Ratio Lower Upper

50 100

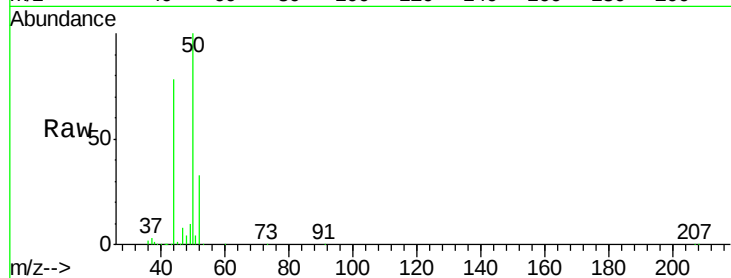
52 33.4 26.7 40.1

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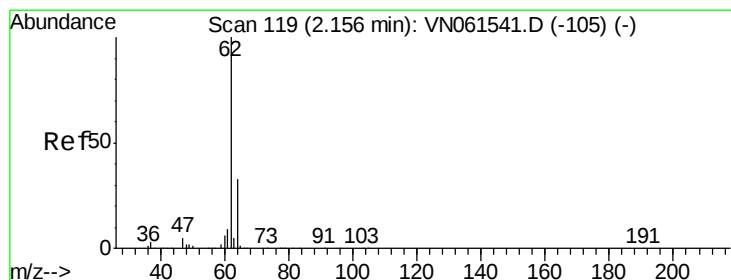
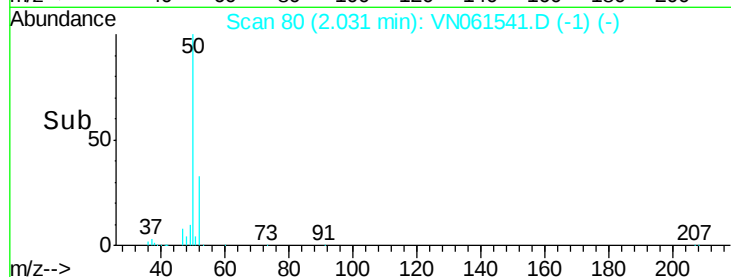
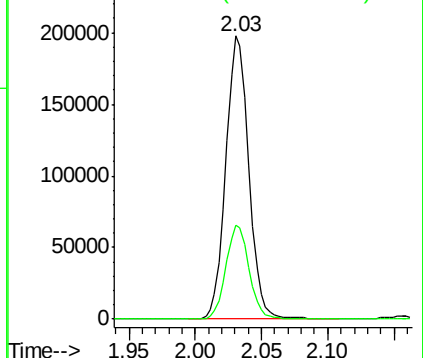
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.398 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061541.D

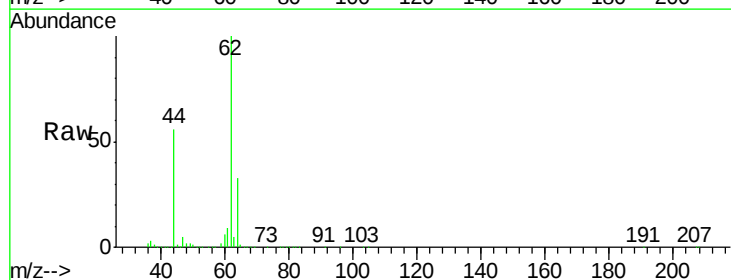
Acq: 28 May 2020 18:55

Tgt Ion: 62 Resp: 327164

Ion Ratio Lower Upper

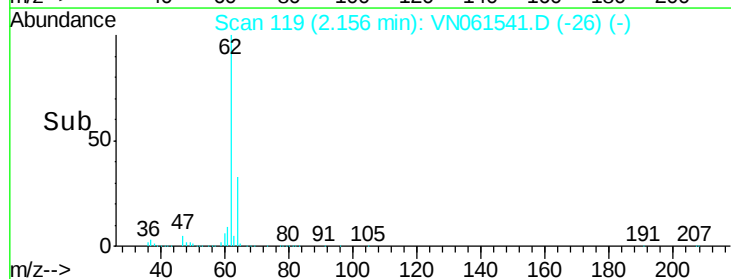
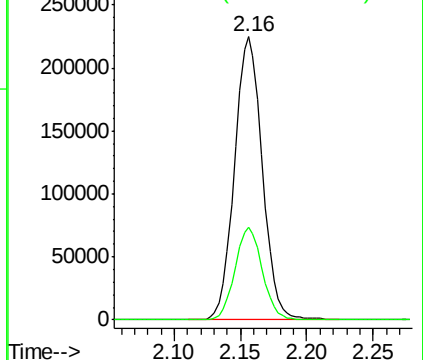
62 100

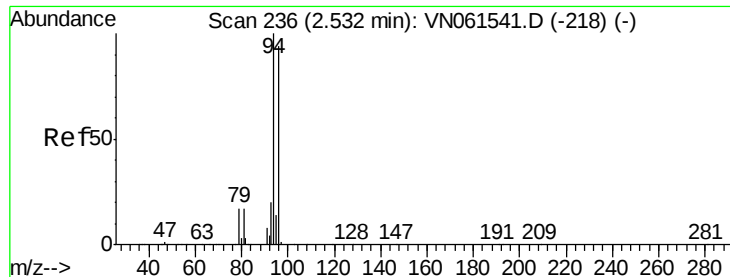
64 32.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 46.396 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 94 Resp: 189731

Ion Ratio Lower Upper

94 100

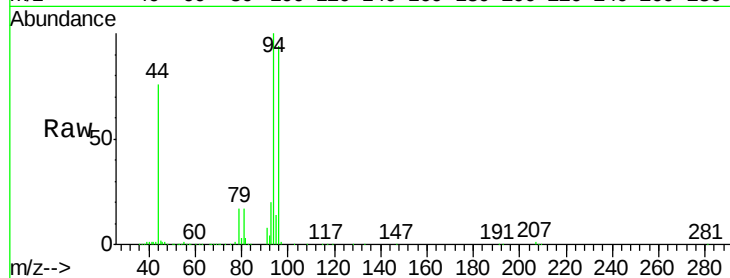
96 93.5 74.8 112.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

100000

80000

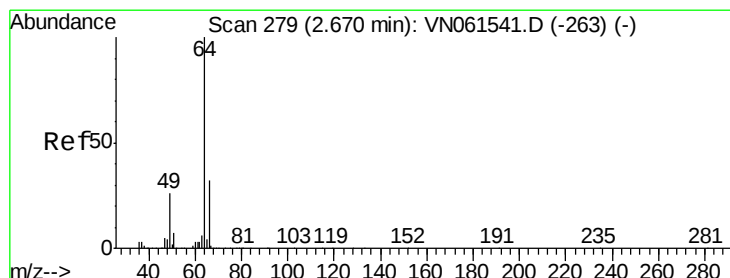
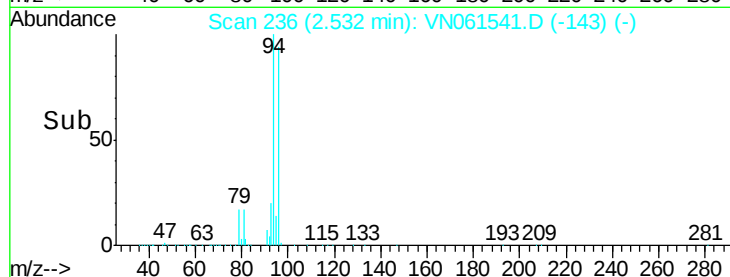
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40000

20000

0

Time-->



#6

Chloroethane

Concen: 41.481 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061541.D

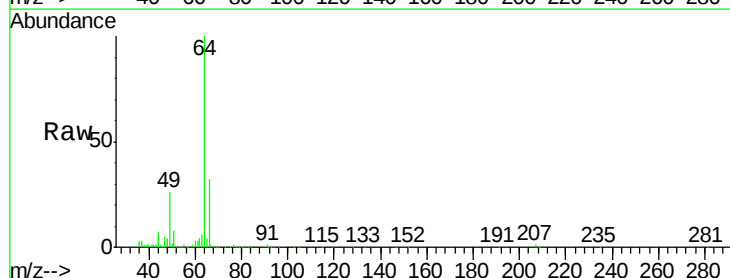
Acq: 28 May 2020 18:55

Tgt Ion: 64 Resp: 204655

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

120000

100000

80000

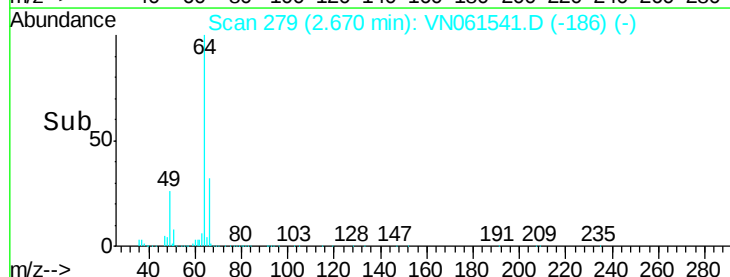
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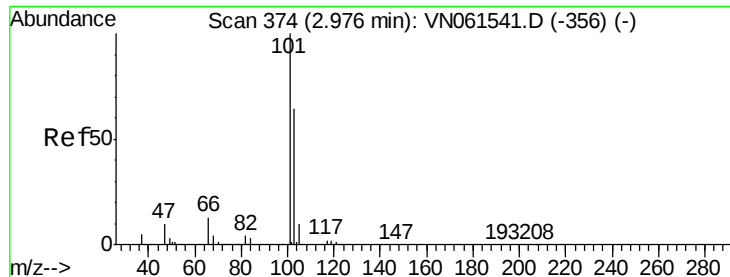
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Time-->





#7

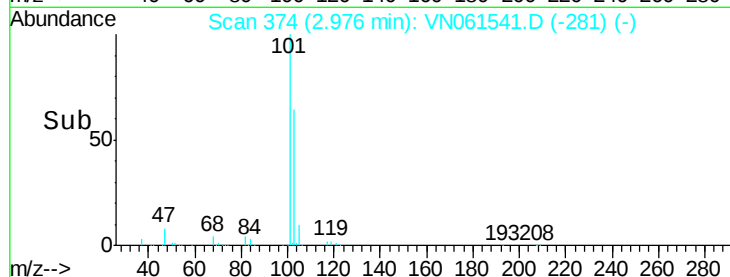
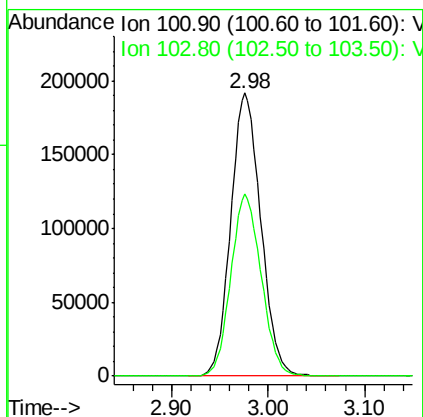
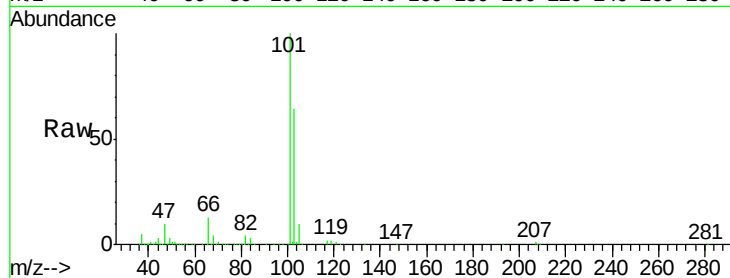
Trichlorofluoromethane
 Concen: 45.862 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.4	77.2

Manual Integrations
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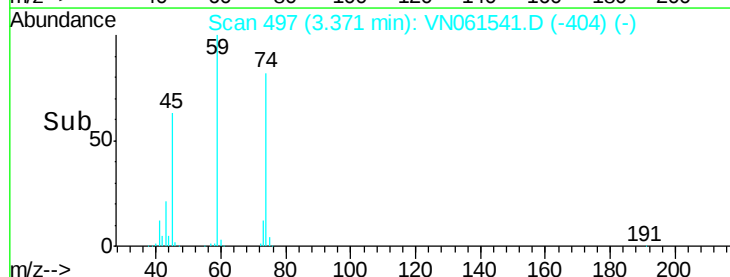
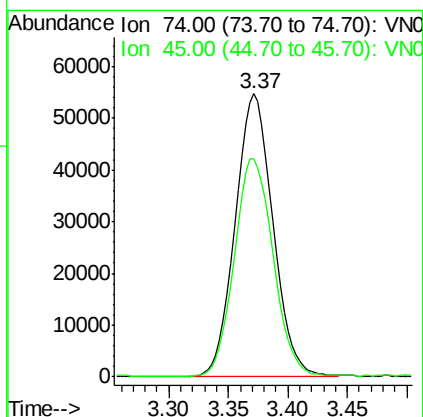
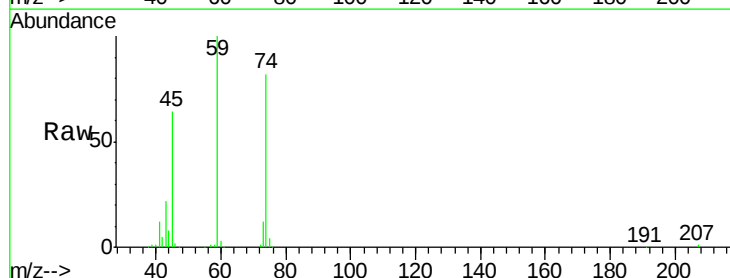
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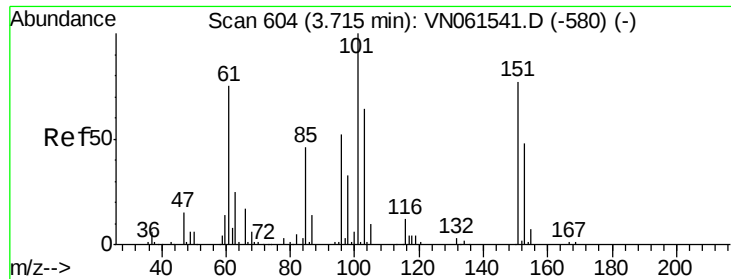


#8

Diethyl Ether
 Concen: 45.687 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.8	39.9	119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.145 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN061541.D

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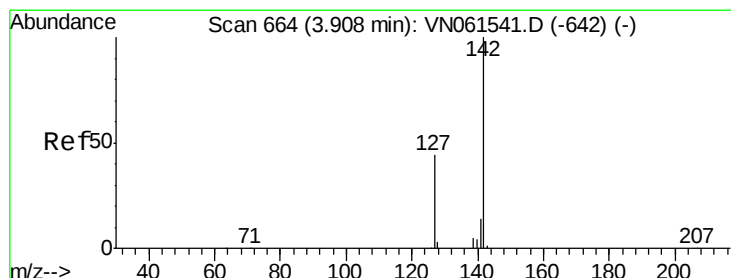
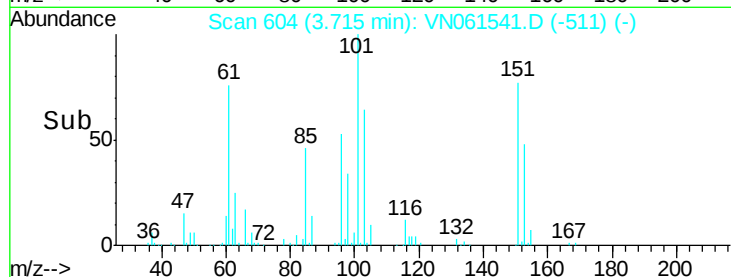
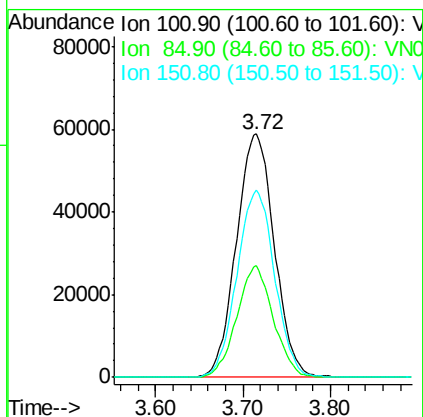
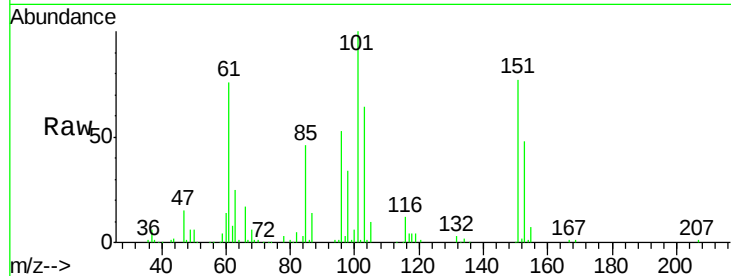
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	177468
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	76.3	61.0	91.6

Manual Integrations
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#10

Methyl Iodide

Concen: 53.562 ug/l

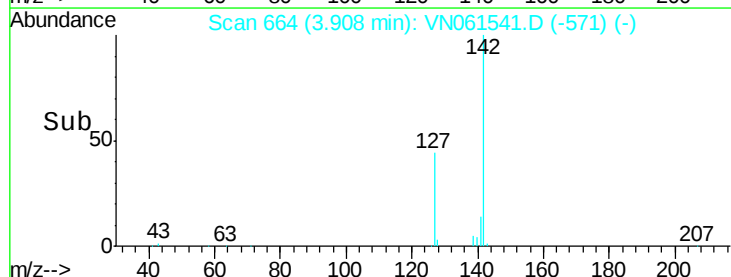
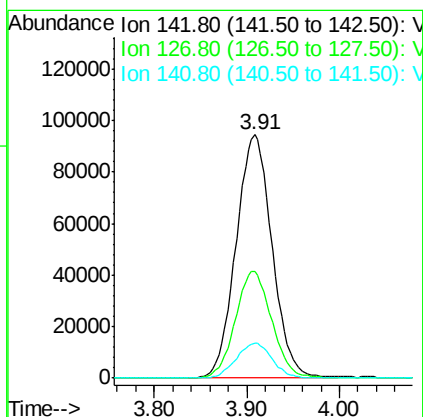
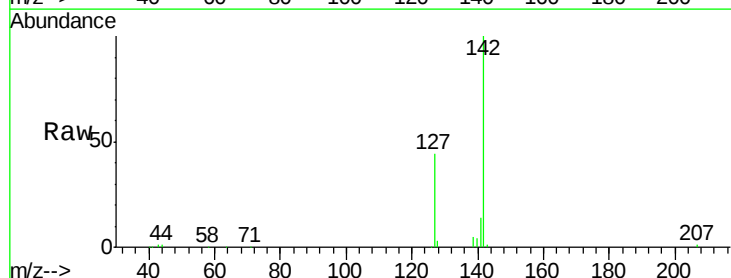
RT: 3.91 min Scan# 664

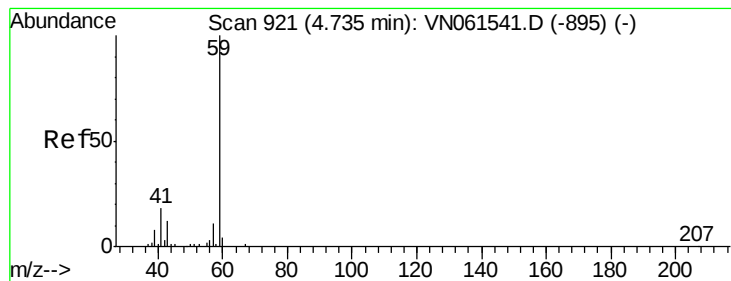
Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	142	Resp:	254776
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.5	53.3
141	14.4	11.5	17.3





#11

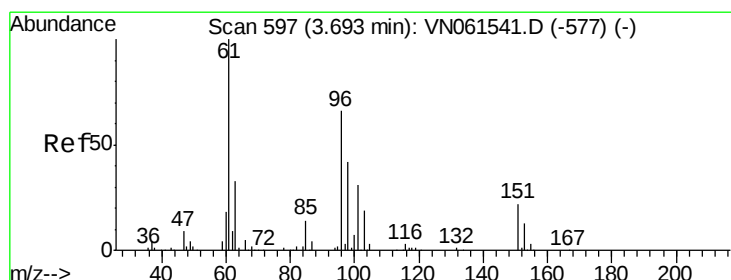
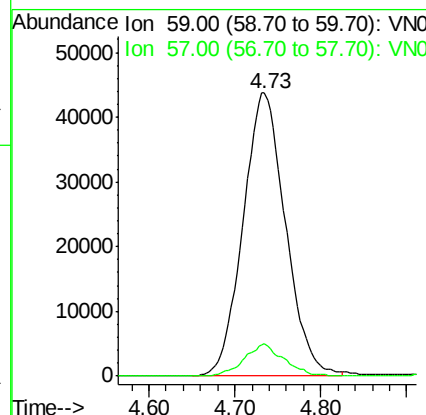
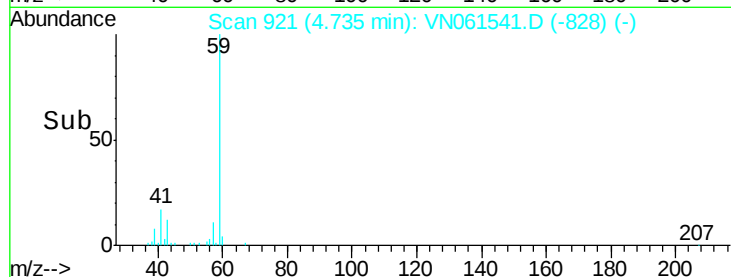
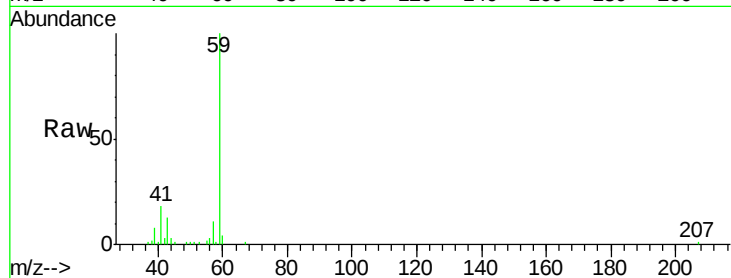
Tert butyl alcohol
Concen: 231.554 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	150353		
57	10.5		8.4	12.6

Manual Integrations
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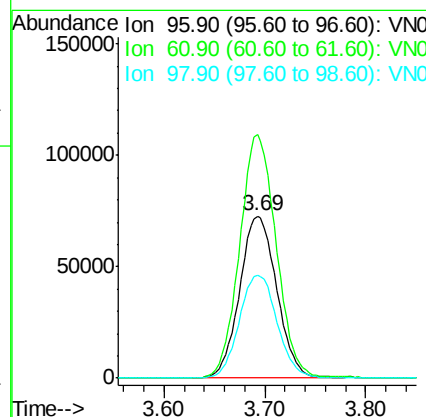
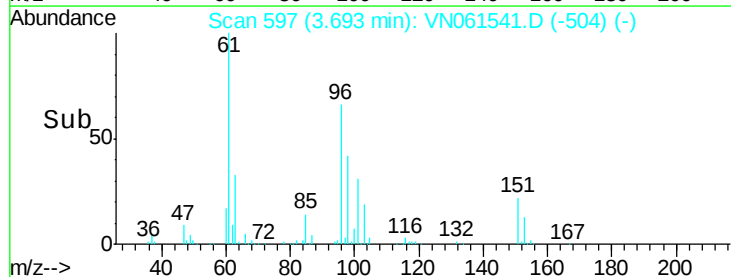
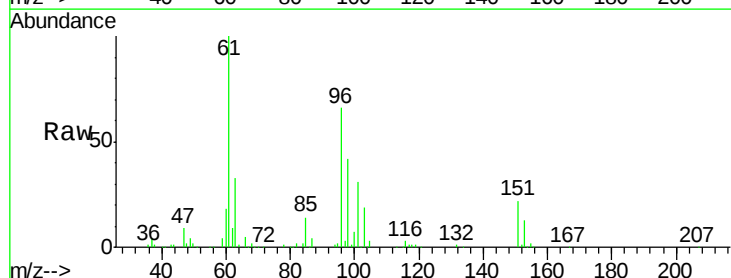
MMDadoda
5/29/2020 5:46:50 PM

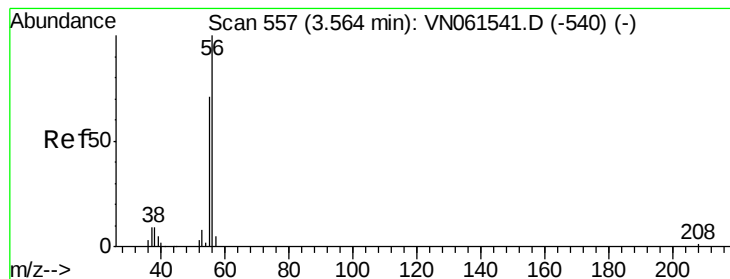


#12

1,1-Dichloroethene
Concen: 46.761 ug/l
RT: 3.69 min Scan# 597
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	185609		
61	150.6		120.5	180.7
98	63.5		50.8	76.2





#13

Acrolein

Concen: 94.589 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 43759

Ion Ratio Lower Upper

56 100

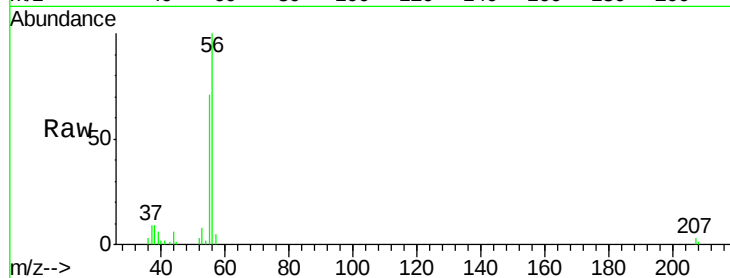
55 72.5 58.0 87.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)

Ion 55.00 (54.70 to 55.70): VN061541.D (-540) (-)

20000

15000

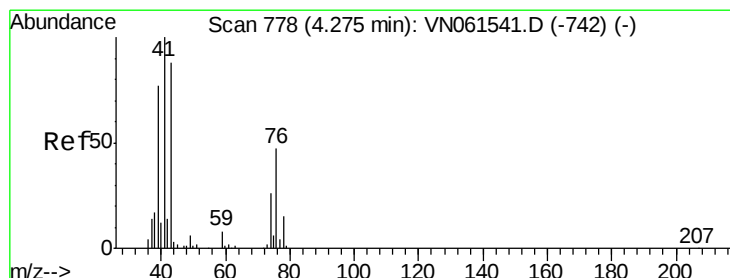
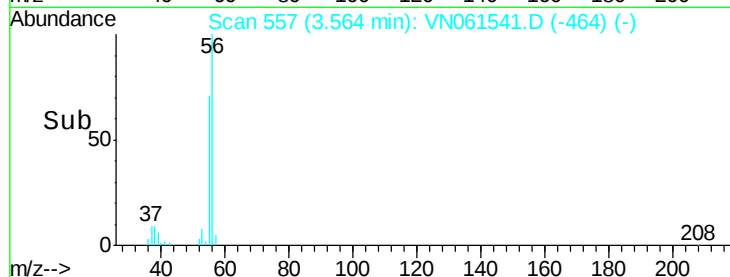
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 40.032 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

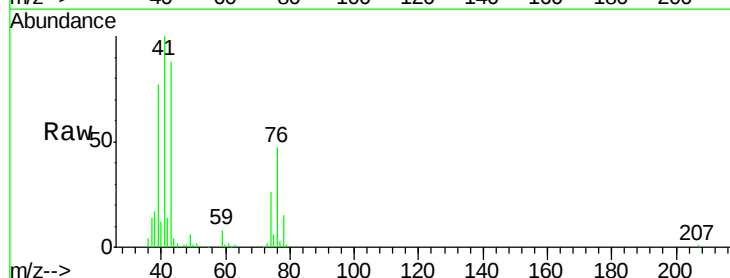
Tgt Ion: 41 Resp: 248118

Ion Ratio Lower Upper

41 100

39 73.3 58.6 88.0

76 42.8 34.2 51.4



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-742) (-)

Ion 75.90 (75.60 to 76.60): VN061541.D (-742) (-)

100000

80000

60000

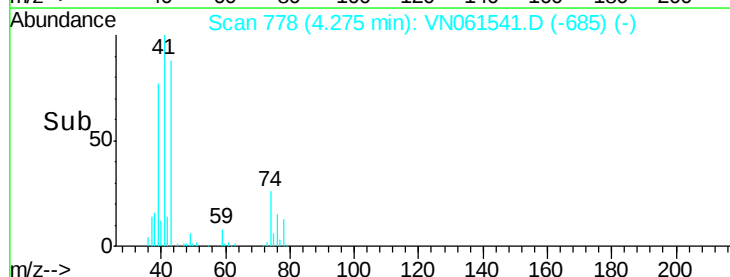
40000

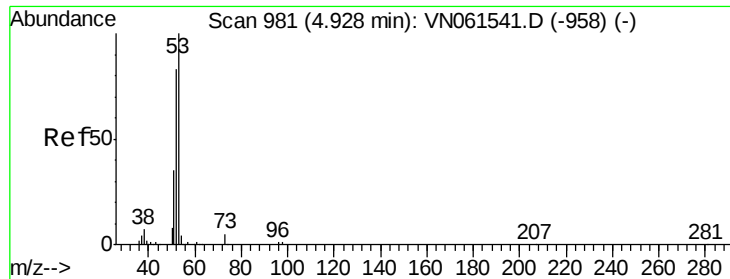
20000

0

4.10 4.20 4.30 4.40

Time-->





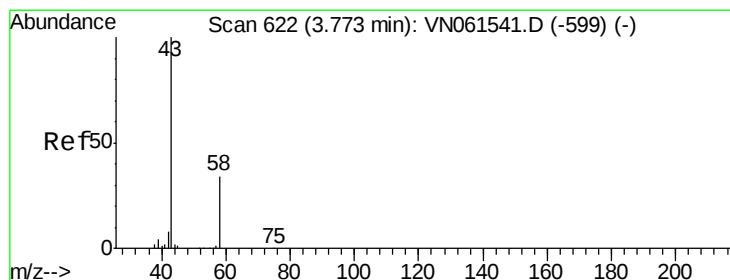
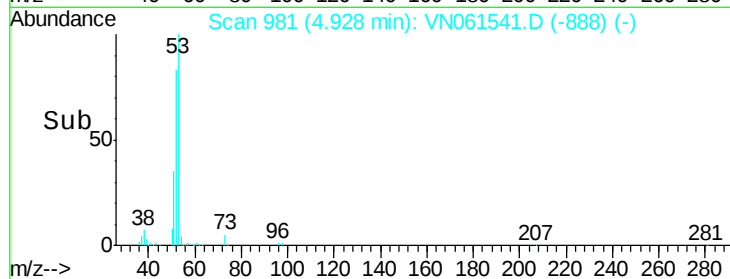
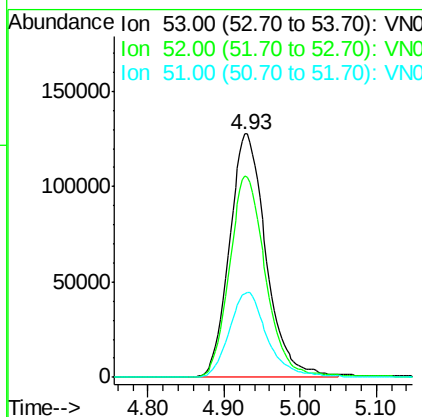
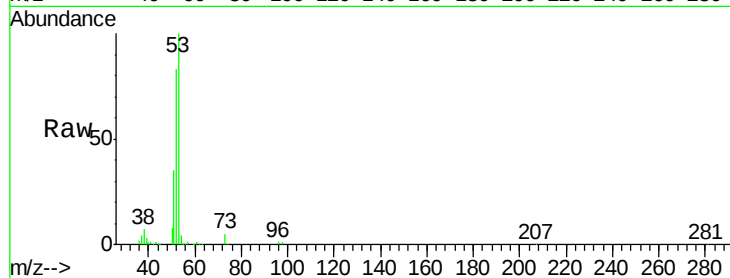
#15
 Acrylonitrile
 Concen: 221.996 ug/l
 RT: 4.93 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	427738
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.4	98.2
51	36.3	29.0	43.6

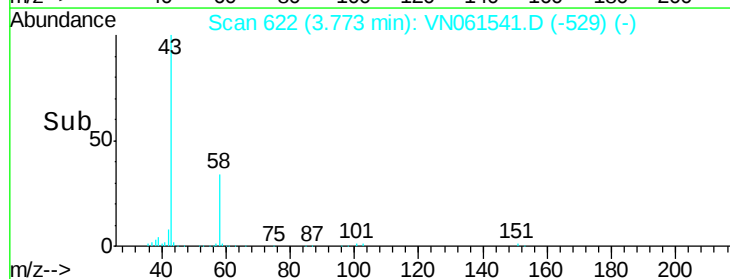
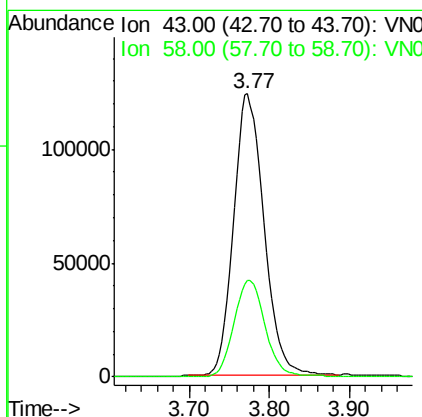
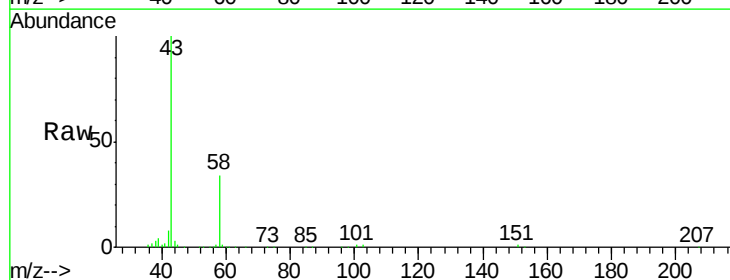
Manual Integrations
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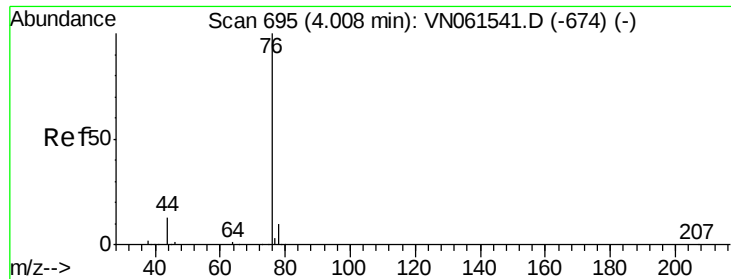
MMDadoda
 5/29/2020 5:46:50 PM



#16
 Acetone
 Concen: 186.089 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion:	43	Resp:	320037
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.2	40.8





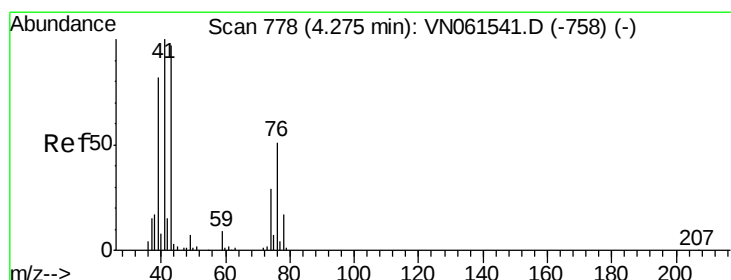
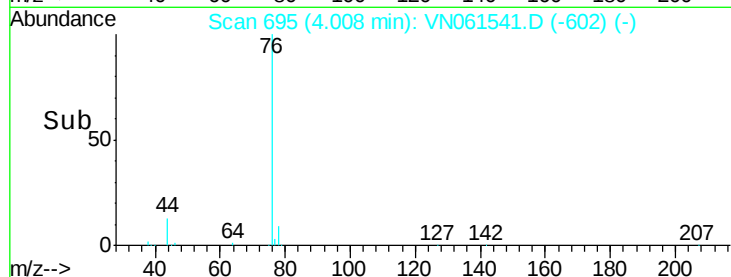
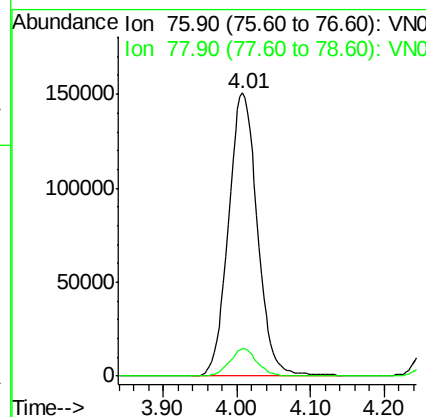
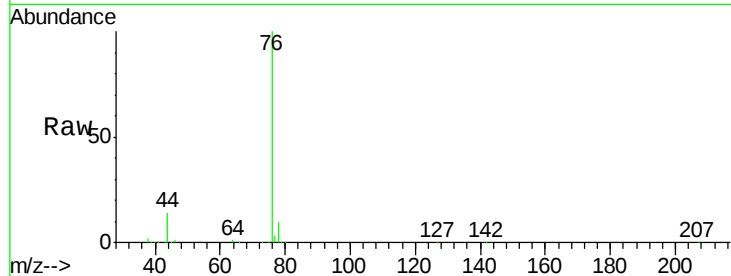
#17
Carbon Disulfide
Concen: 42.195 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.8	11.6

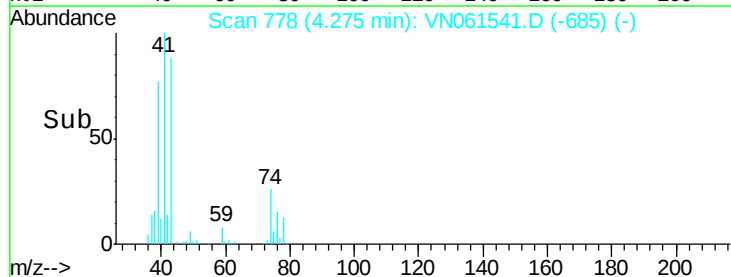
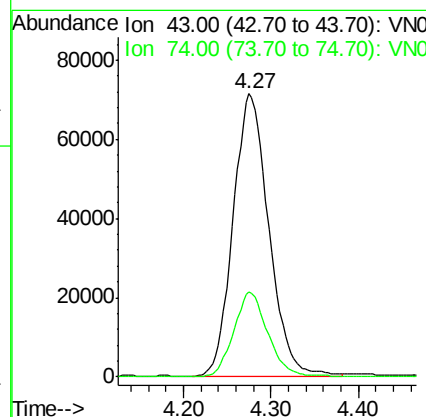
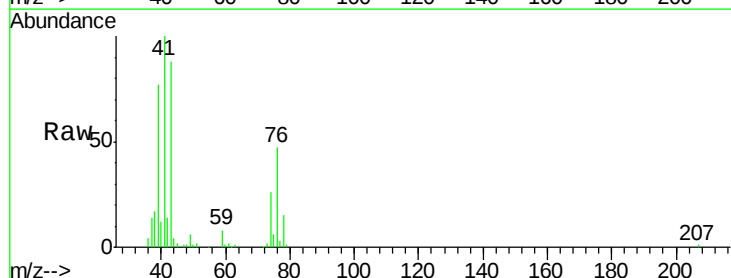
Manual Integrations
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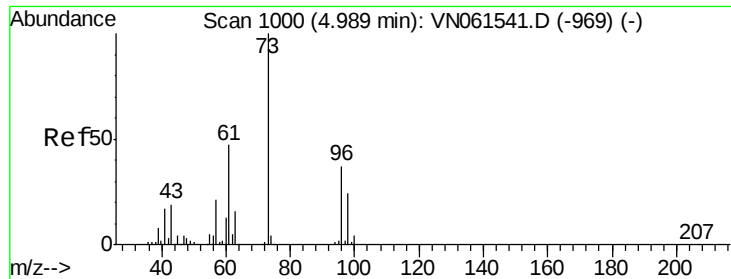
MMDadoda
5/29/2020 5:46:50 PM



#18
Methyl Acetate
Concen: 45.510 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	29.0	23.2	34.8





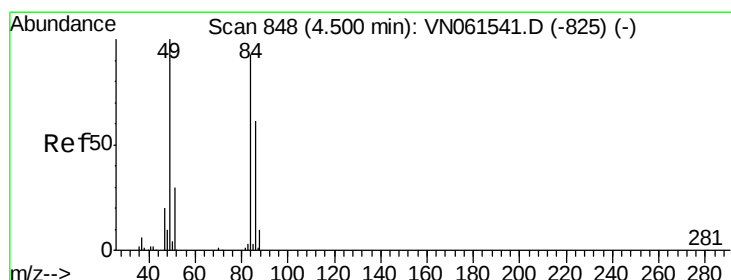
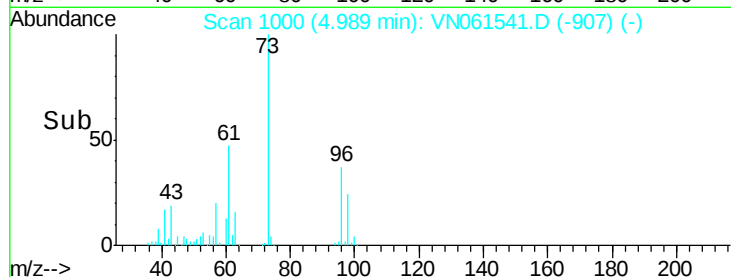
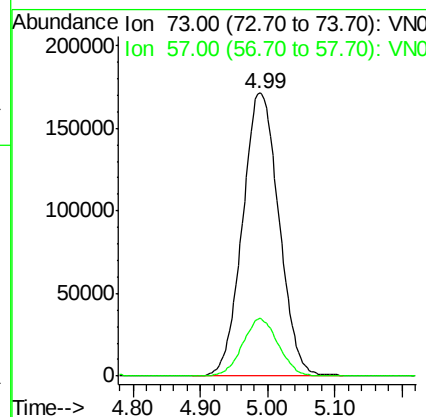
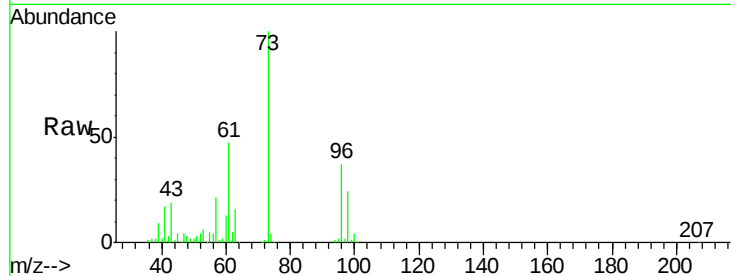
#19
Methvl tert-butvl Ether
Concen: 43.669 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 645005
Ion Ratio Lower Upper
73 100
57 20.5 16.4 24.6

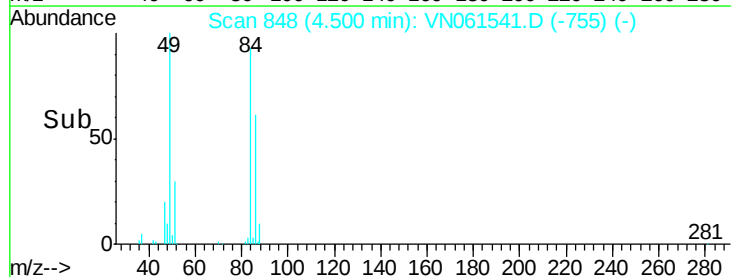
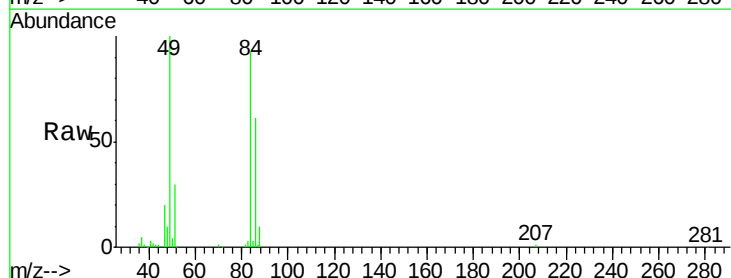
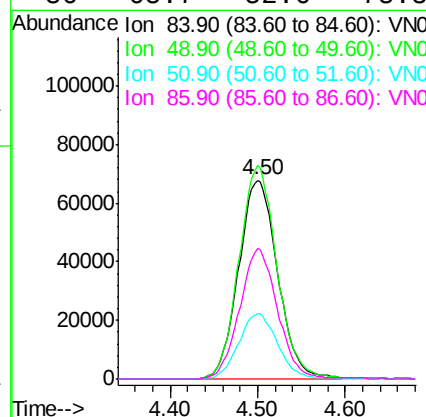
Manual Integrations
APPROVED

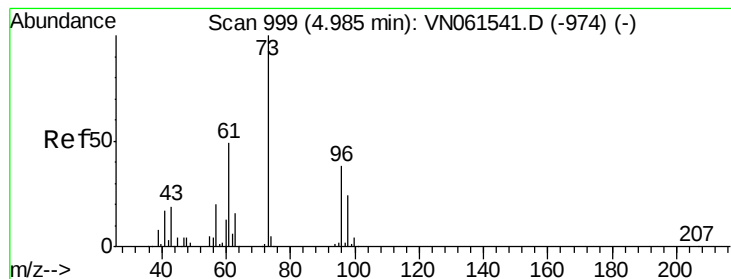
MMDadoda
5/29/2020 5:46:50 PM



#20
Methylene Chloride
Concen: 44.725 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion: 84 Resp: 209939
Ion Ratio Lower Upper
84 100
49 107.3 85.8 128.8
51 32.7 26.2 39.2
86 65.7 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 45.986 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

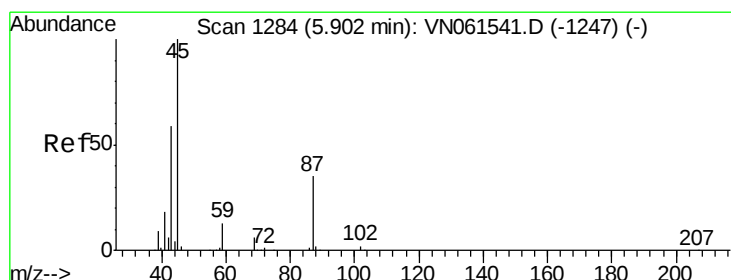
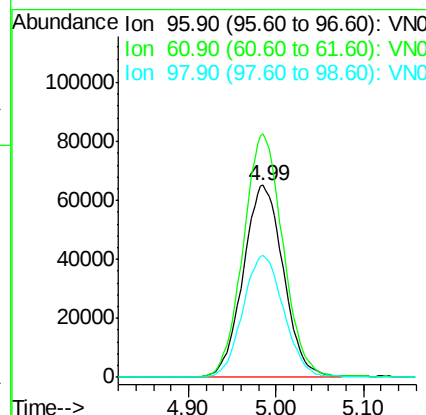
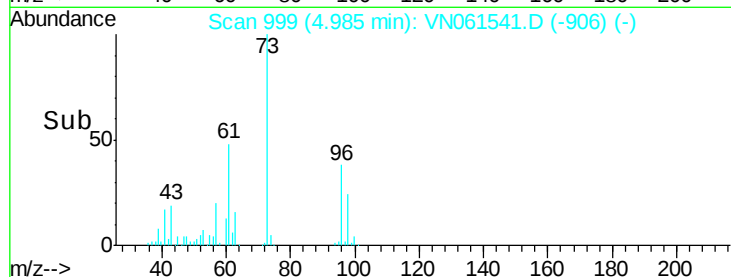
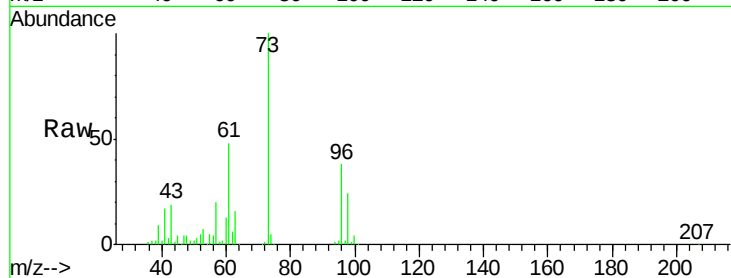
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	208110
Ion	Ratio	Lower	Upper
96	100		
61	126.7	101.4	152.0
98	63.3	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 40.098 ug/l

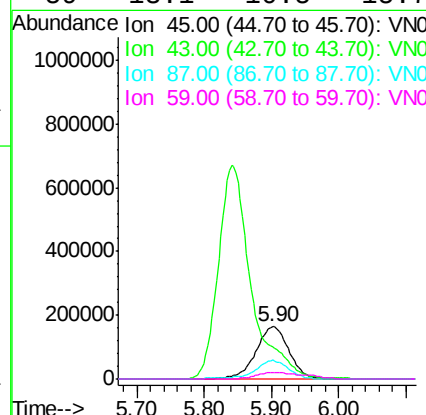
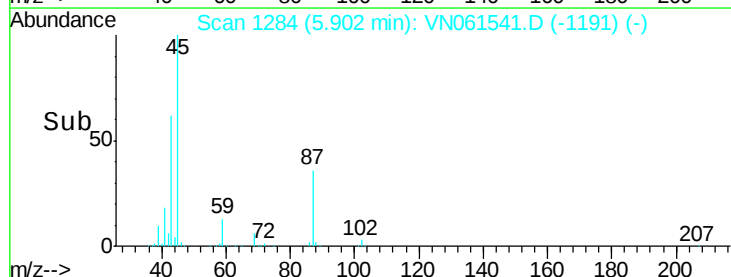
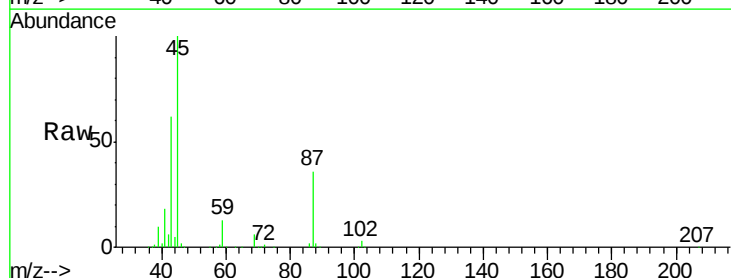
RT: 5.90 min Scan# 1284

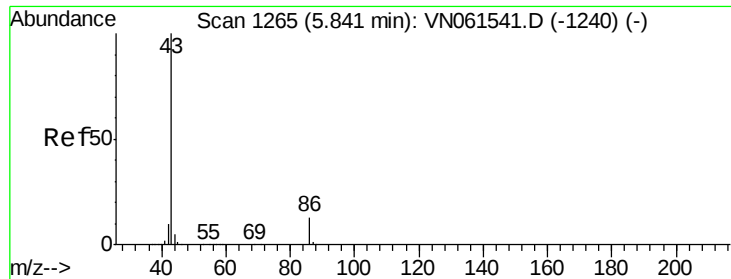
Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	45	Resp:	560315
Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.9	71.9
87	35.5	28.4	42.6
59	13.1	10.5	15.7





#23

Vinyl Acetate

Concen: 205.891 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 2287325

Ion Ratio Lower Upper

43 100

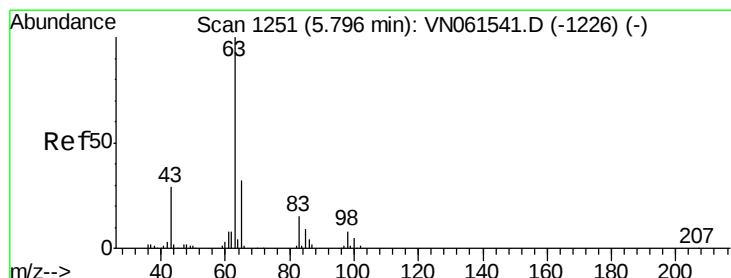
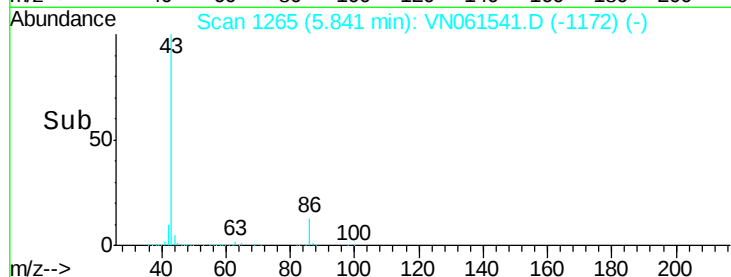
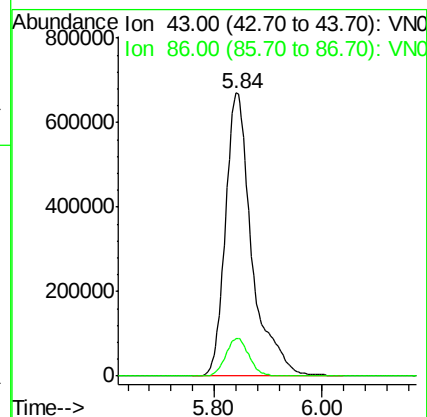
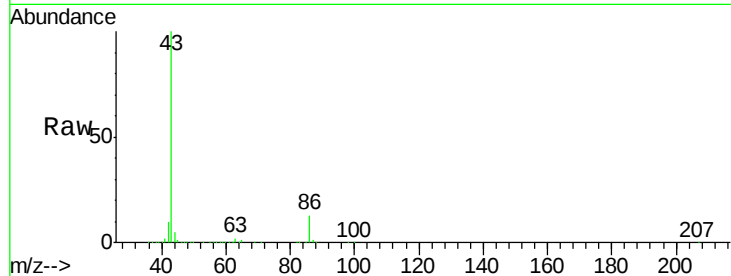
86 13.3 10.6 16.0

Manual Integrations

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MMDadoda

5/29/2020 5:46:50 PM



#24

1,1-Dichloroethane

Concen: 42.610 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

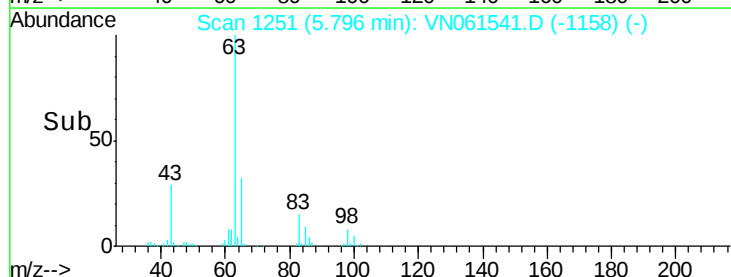
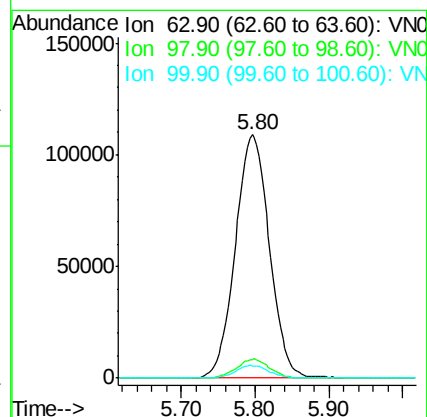
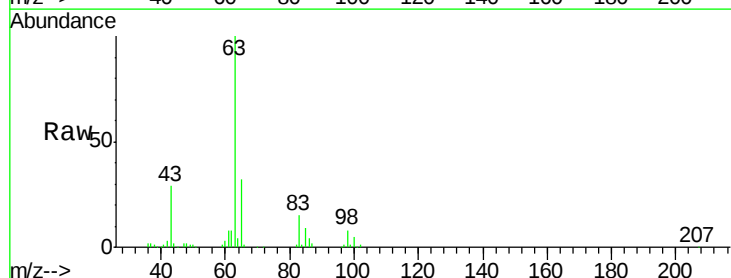
Tgt Ion: 63 Resp: 350463

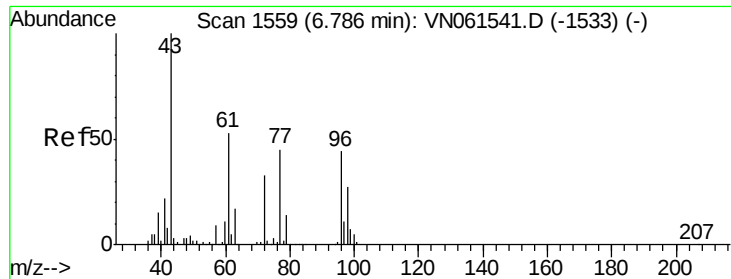
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 5.1 2.5 7.6





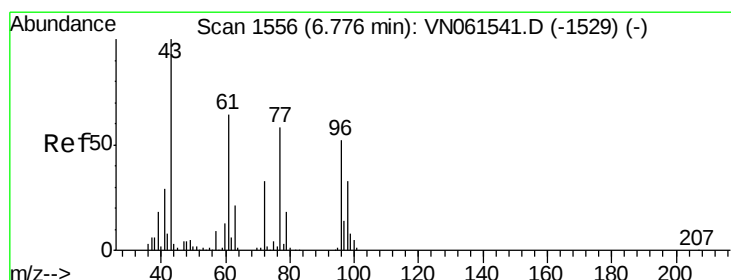
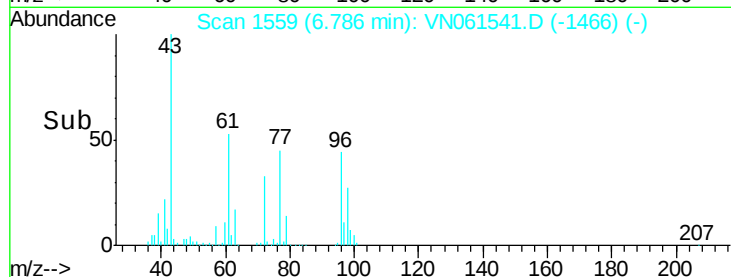
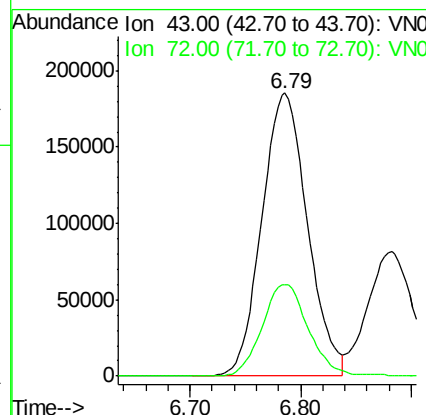
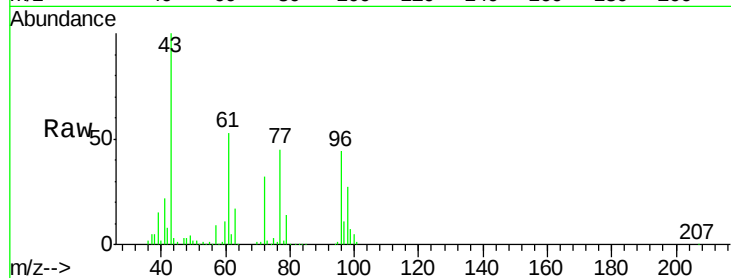
#25
2-Butanone
Concen: 207.585 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 529707
Ion Ratio Lower Upper
43 100
72 32.5 26.0 39.0

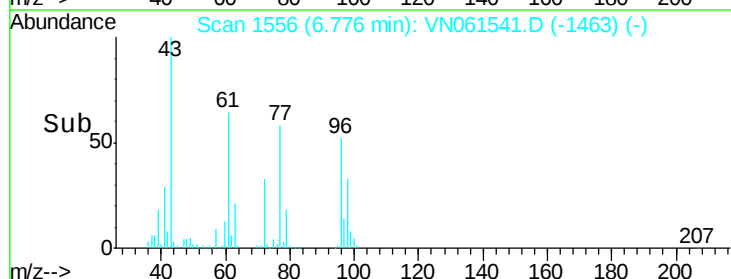
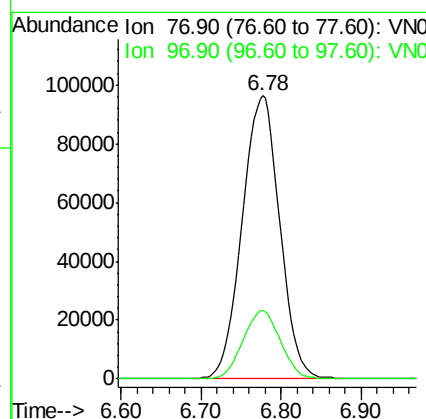
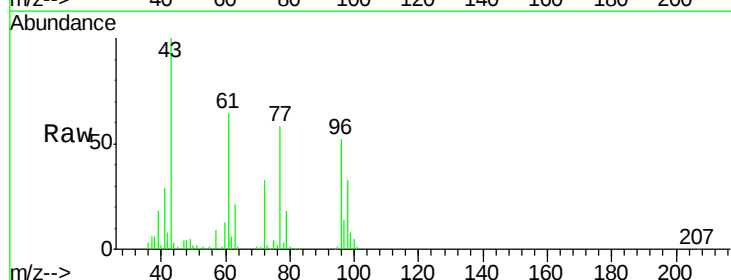
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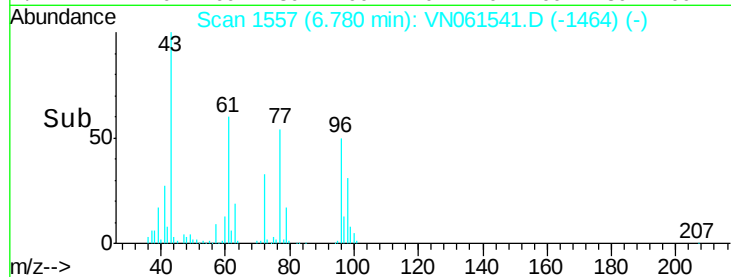
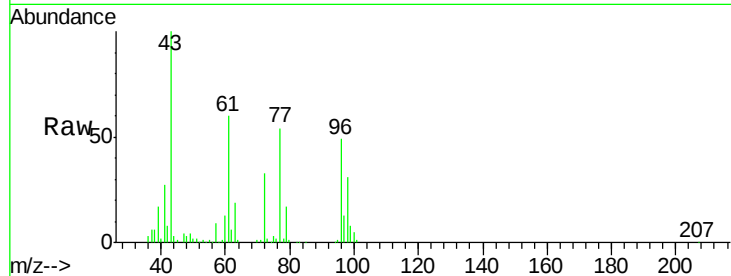
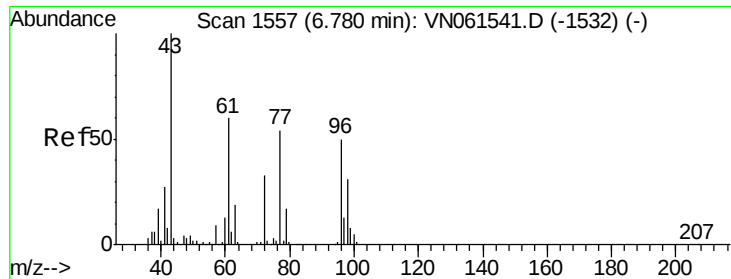
MMDadoda
5/29/2020 5:46:50 PM



#26
2,2-Dichloropropane
Concen: 39.394 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion: 77 Resp: 307114
Ion Ratio Lower Upper
77 100
97 24.0 12.0 36.0





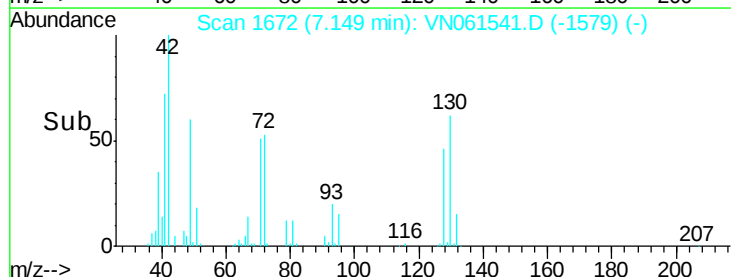
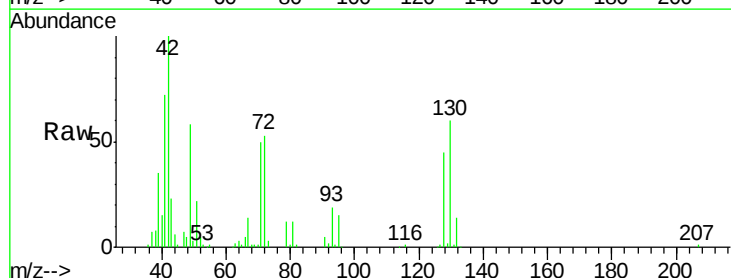
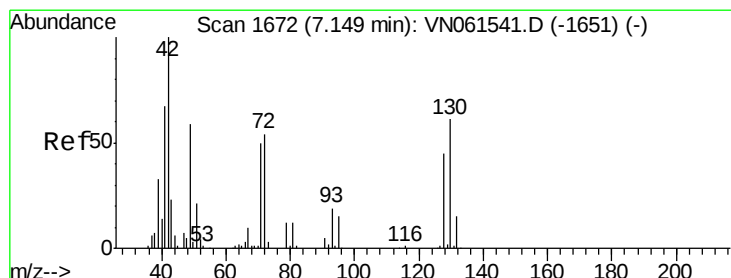
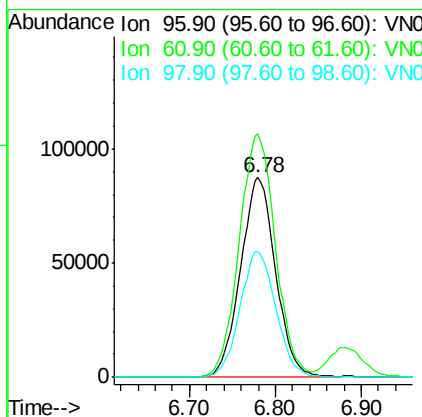
#27
 cis-1,2-Dichloroethene
 Concen: 46.443 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tot Ion	Ratio	Resp	Lower	Upper
96	100	247929		
61	126.1	0.0	252.2	
98	64.6	0.0	129.2	

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

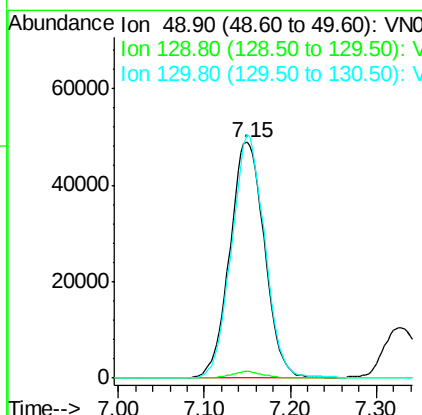
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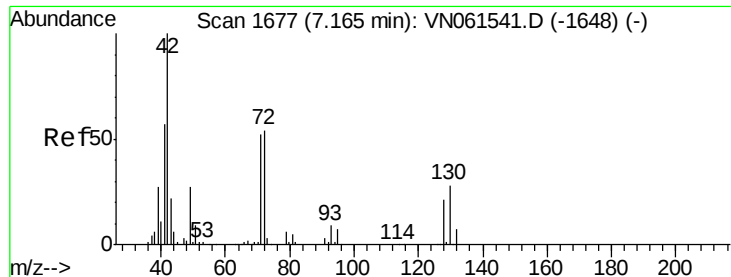
MMDadoda
 5/29/2020 5:46:50 PM



#28
 Bromochloromethane
 Concen: 40.254 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136915		
129	2.4	0.0	4.8	
130	98.5	78.8	118.2	





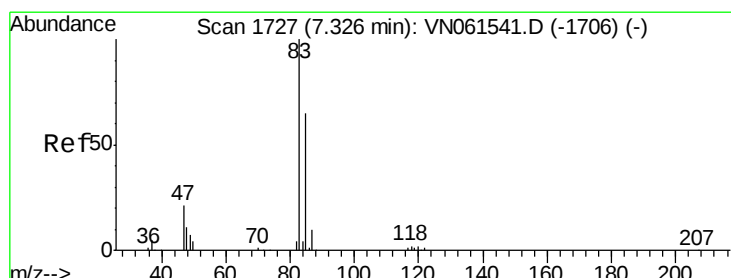
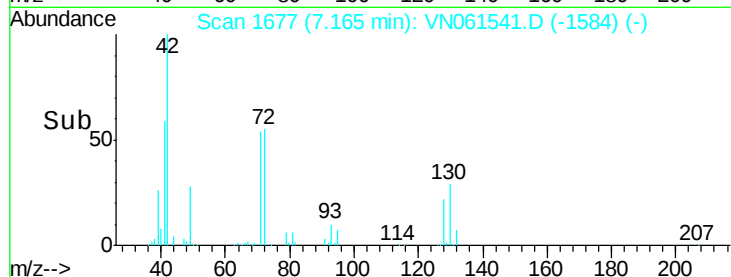
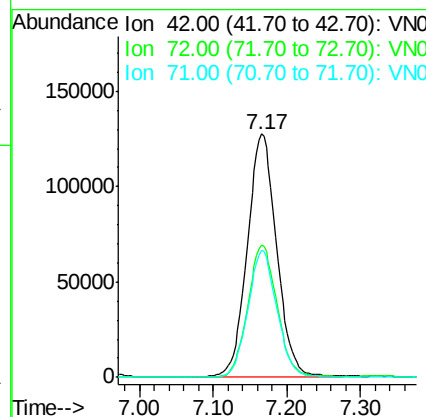
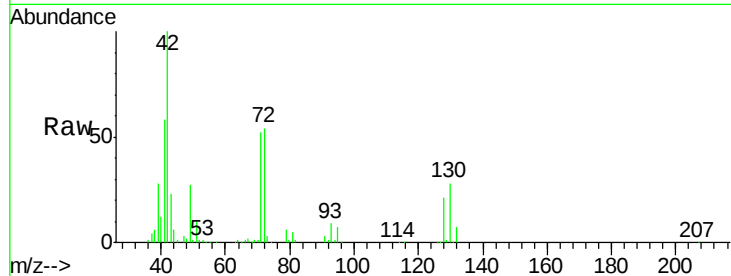
#29
Tetrahydrofuran
Concen: 209.457 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	54.5	43.6	65.4
71	51.5	41.2	61.8

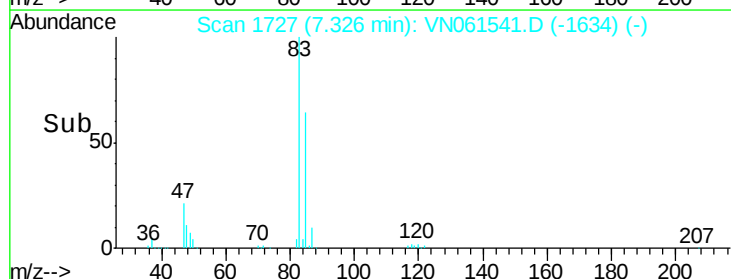
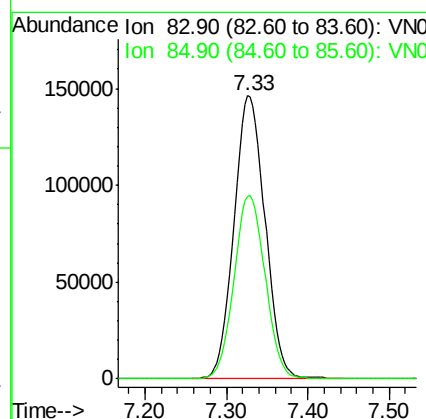
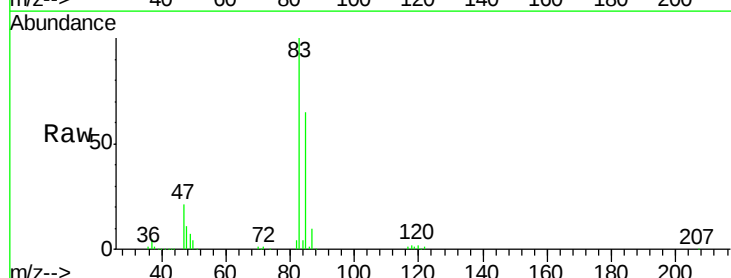
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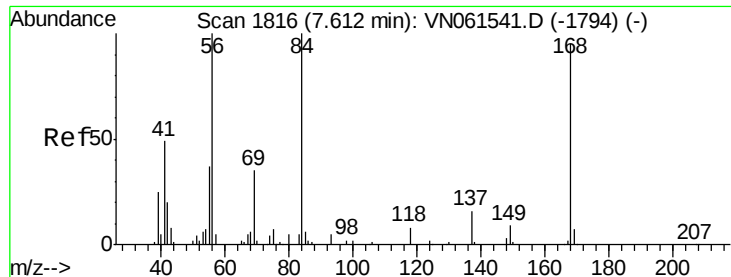
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#30
Chloroform
Concen: 45.094 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





#31

Cyclohexane

Concen: 40.296 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 315080

Ion Ratio Lower Upper

56 100

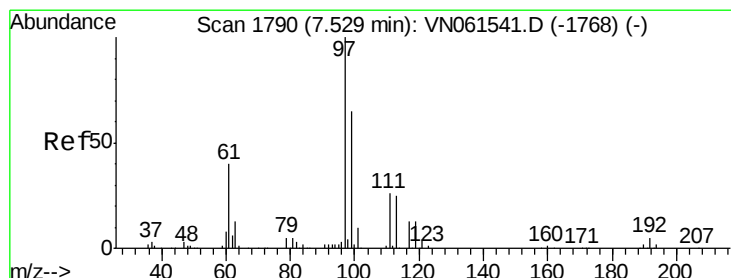
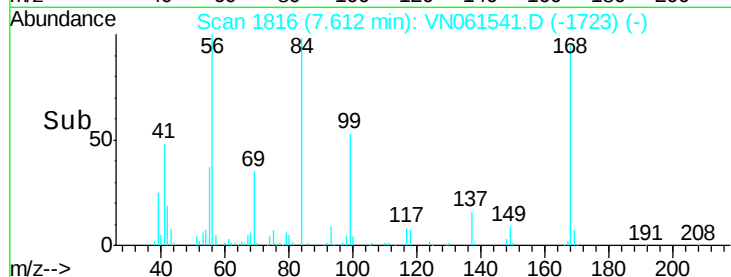
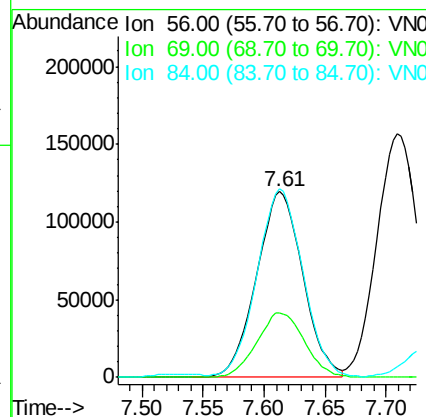
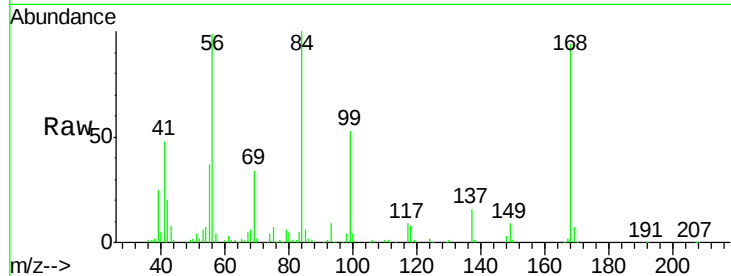
69 34.8 27.8 41.8

84 99.9 79.9 119.9

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#32

1,1,1-Trichloroethane

Concen: 44.862 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

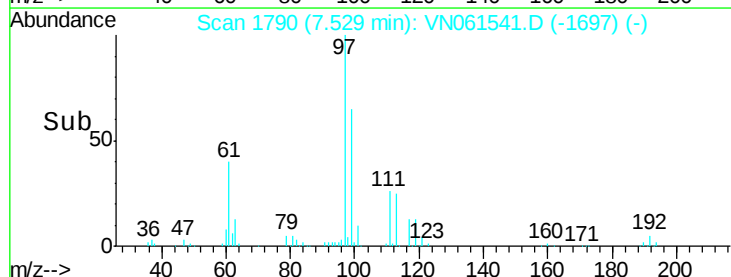
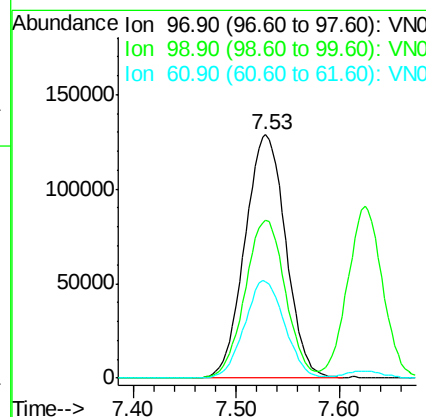
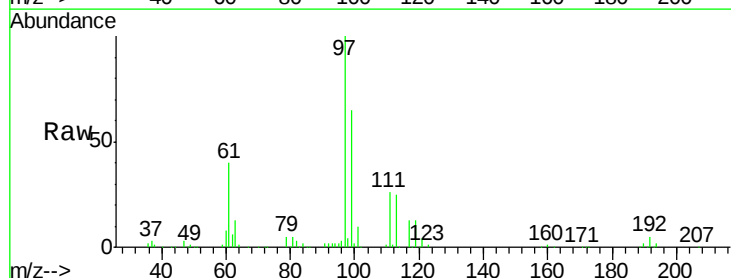
Tgt Ion: 97 Resp: 354538

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

61 39.2 31.4 47.0





#33

1,2-Dichloroethane-d4

Concen: 41.480 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 65 Resp: 232646

Ion Ratio Lower Upper

65 100

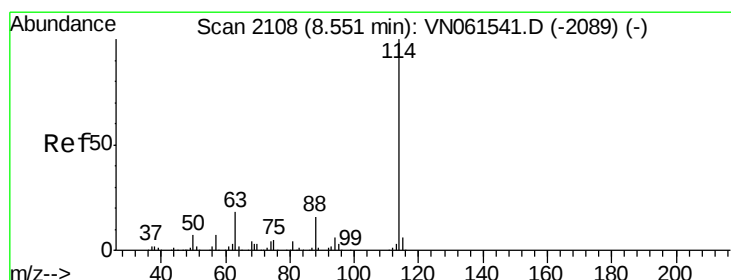
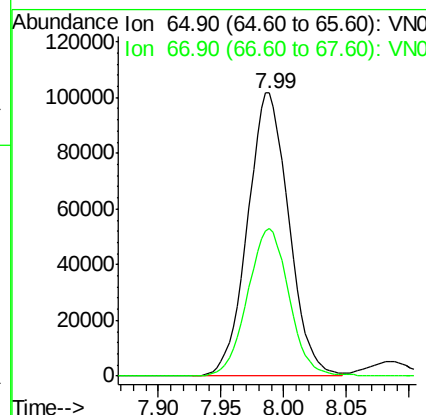
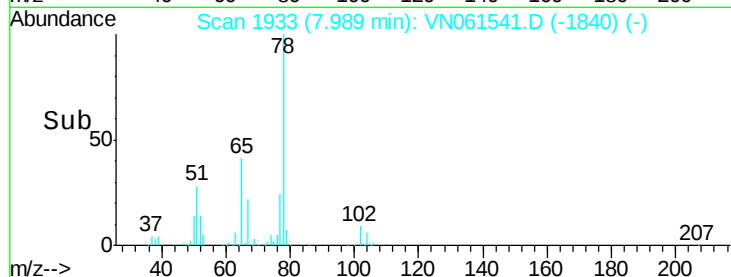
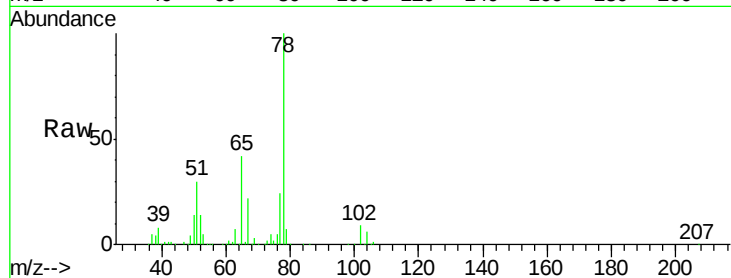
67 52.4 0.0 104.8

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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: VN061541.D

Acq: 28 May 2020 18:55

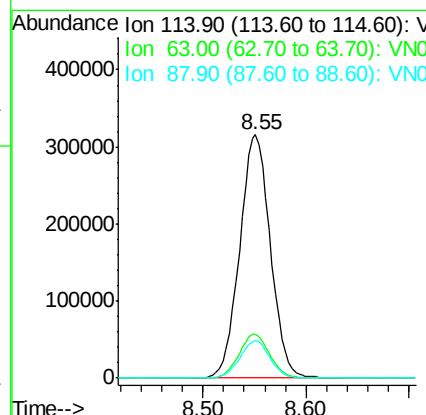
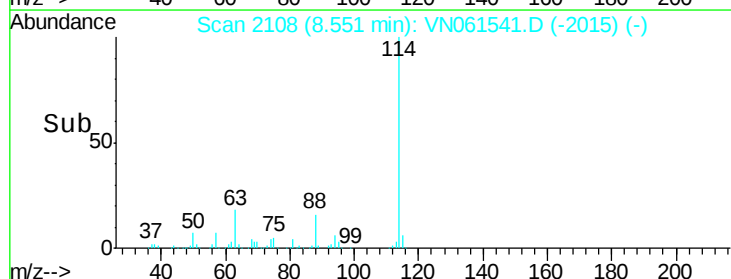
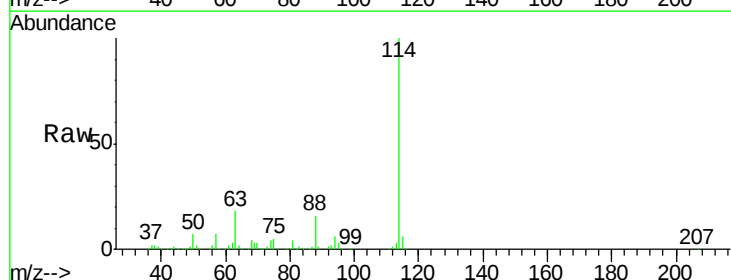
Tgt Ion: 114 Resp: 652759

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.8

88 15.5 0.0 31.0





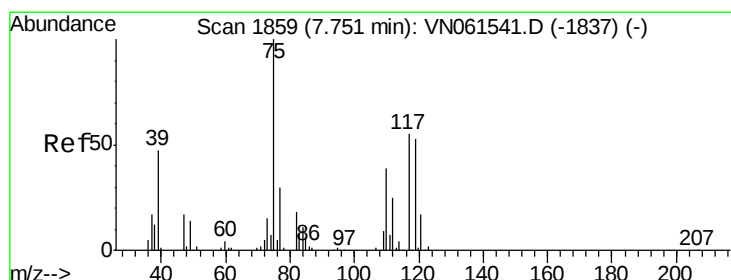
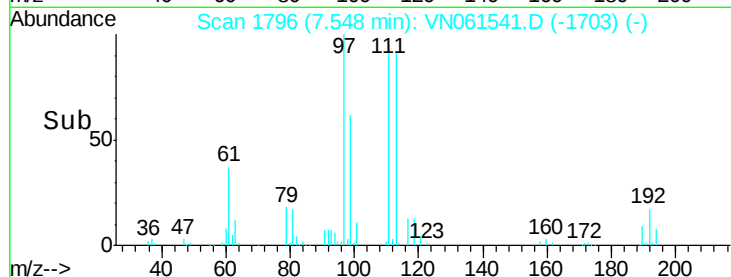
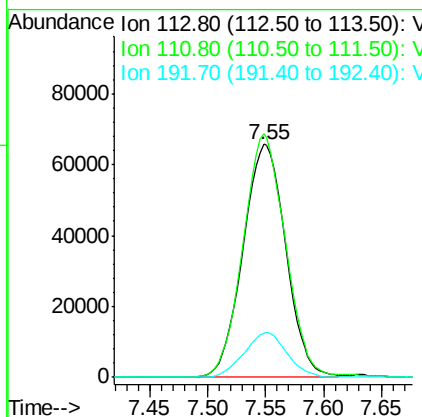
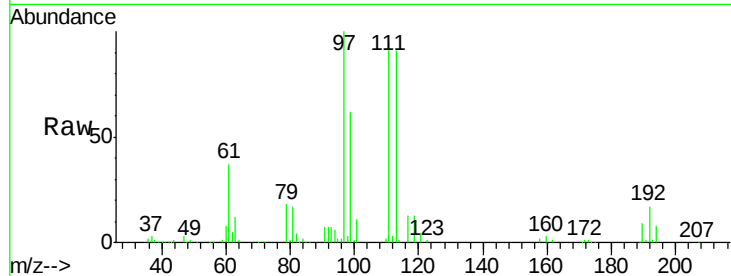
#35
 Dibromofluoromethane
 Concen: 49.059 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168645		
111	104.2	83.4	125.0	
192	19.3	15.4	23.2	

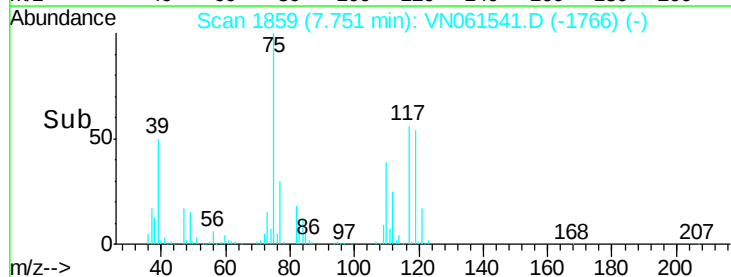
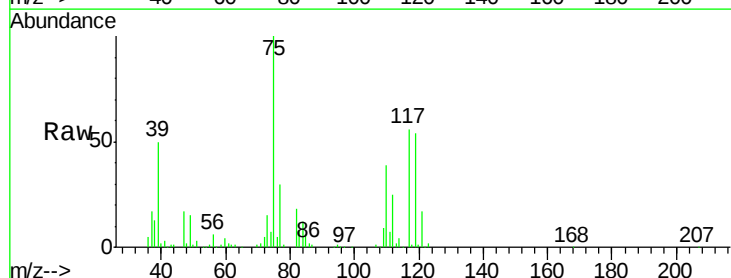
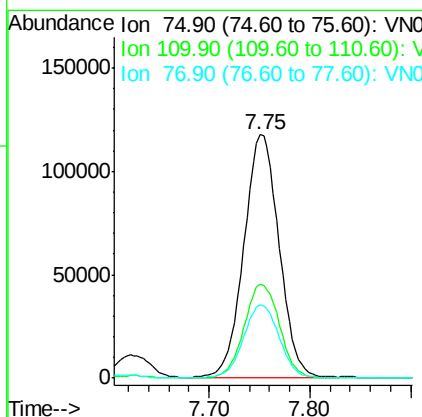
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 47.100 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283269		
110	39.0	19.5	58.5	
77	30.9	24.7	37.1	





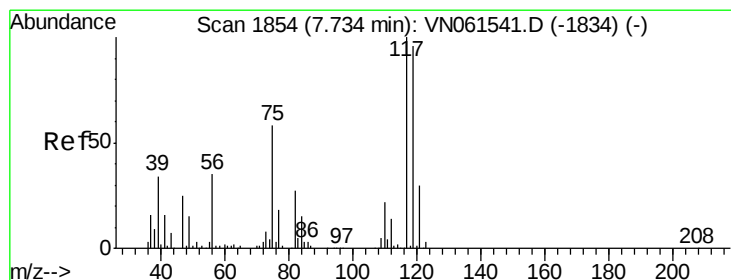
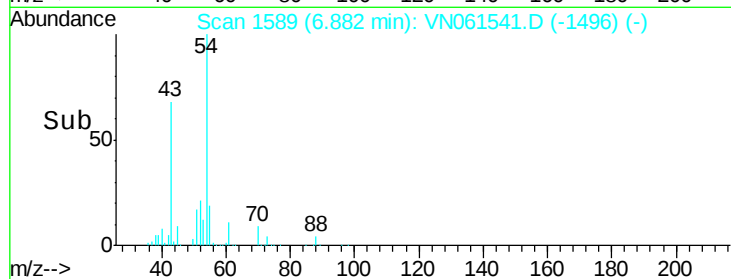
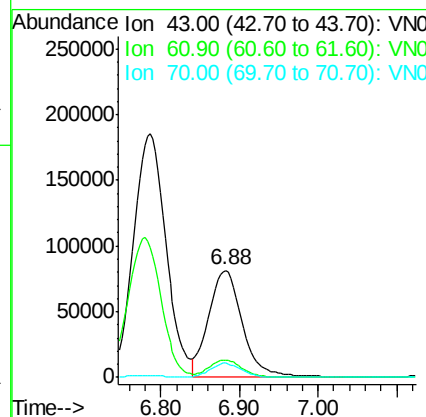
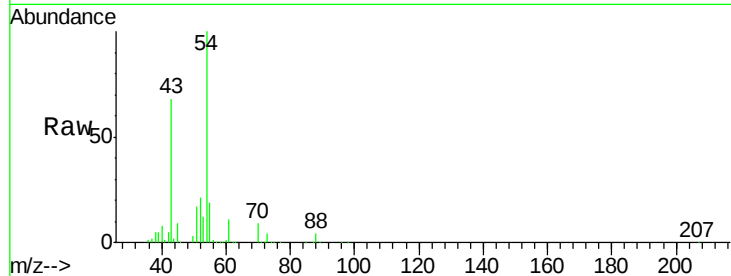
#37
Ethyl Acetate
Concen: 43.688 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.3	12.2	18.4	
70	11.8	9.4	14.2	

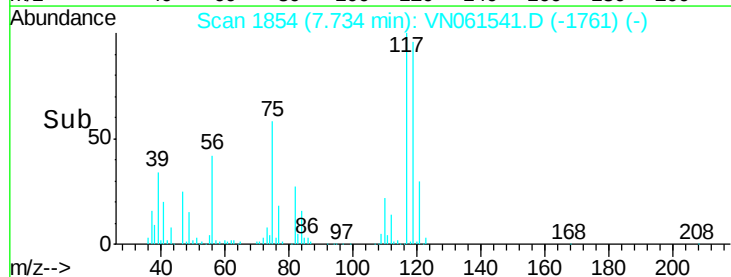
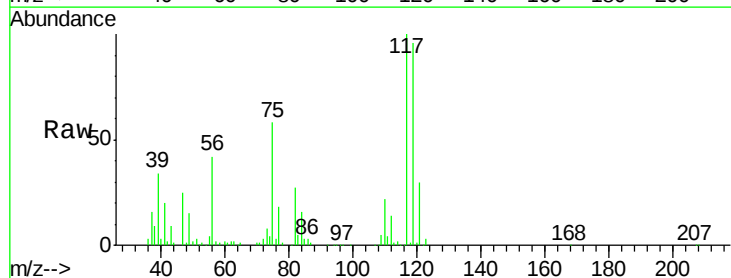
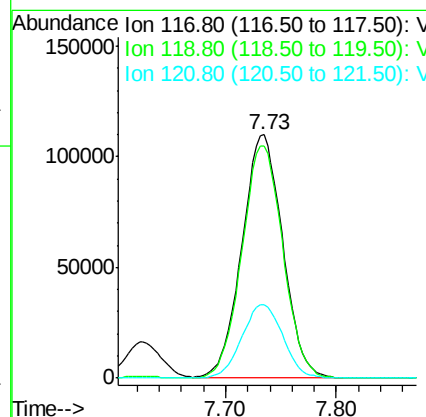
Manual Integrations
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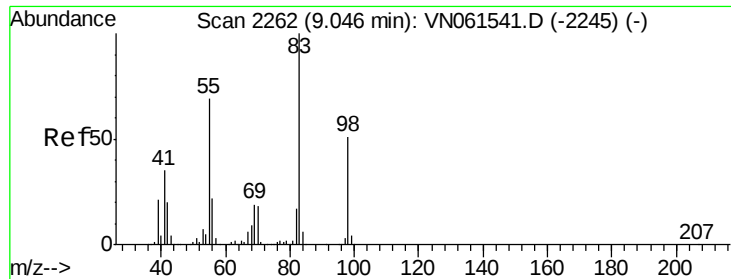
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#38
Carbon Tetrachloride
Concen: 50.431 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.6	76.5	114.7	
121	30.1	24.1	36.1	





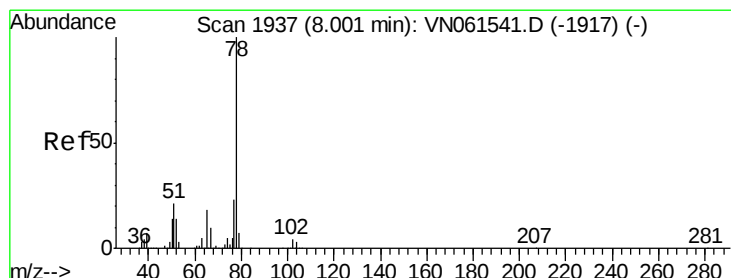
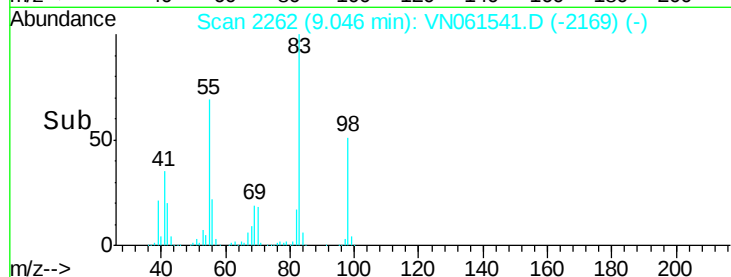
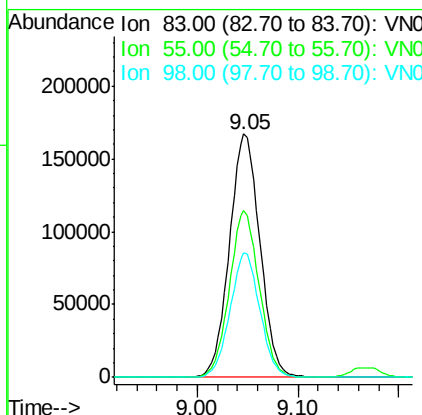
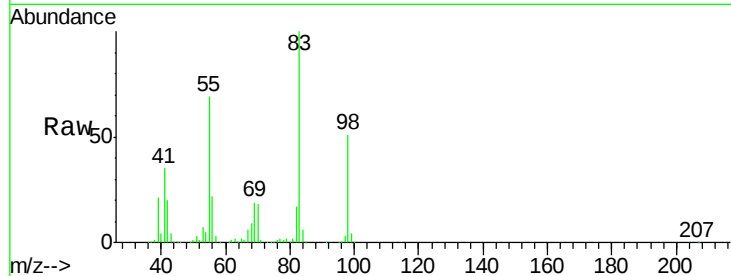
#39
Methvlcvclohexane
Concen: 47.726 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.6	54.9	82.3
98	51.2	41.0	61.4

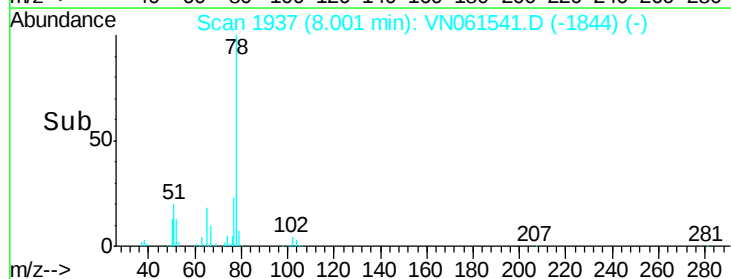
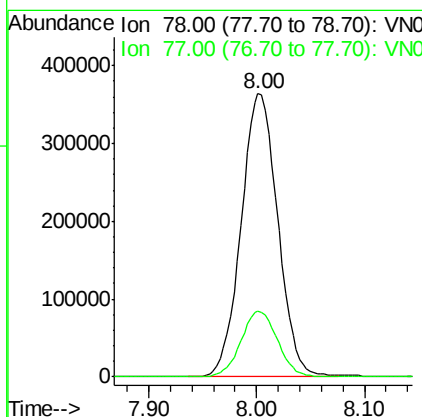
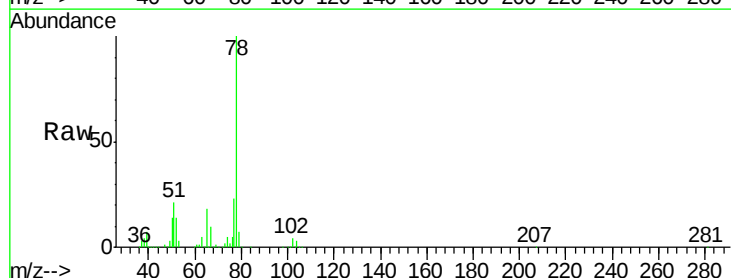
Manual Integrations
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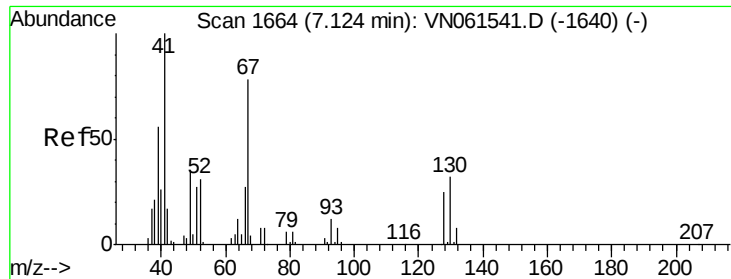
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#40
Benzene
Concen: 47.322 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





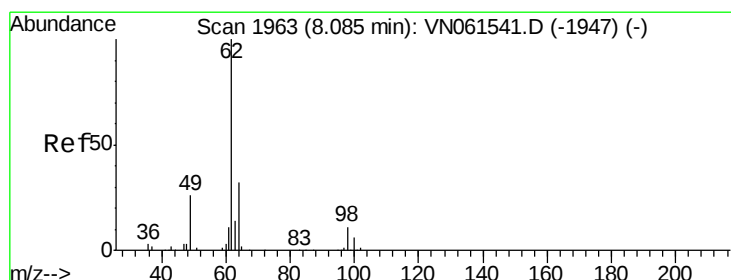
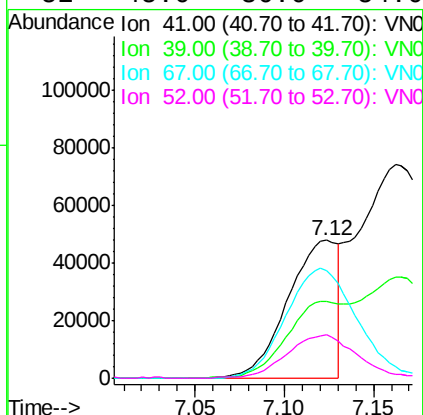
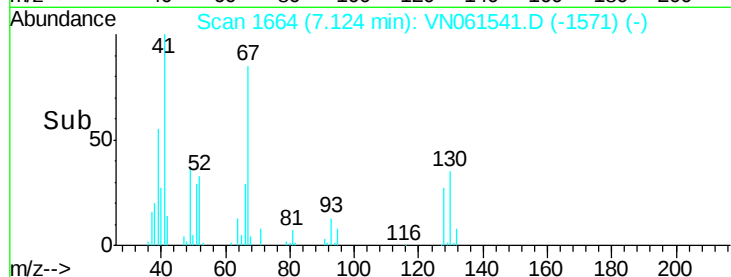
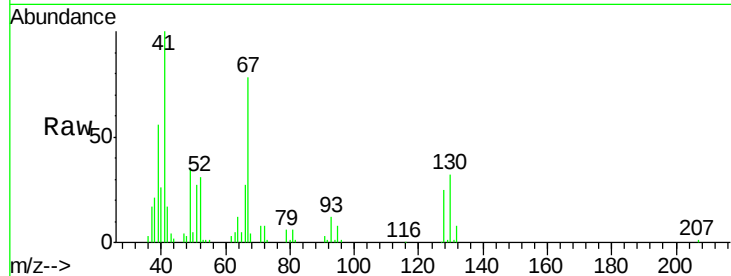
#41
Methacrylonitrile
Concen: 41.710 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	67.2	53.8	80.6	
67	113.9	91.1	136.7	
52	45.0	36.0	54.0	

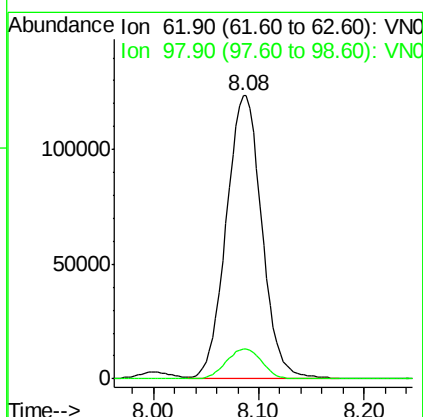
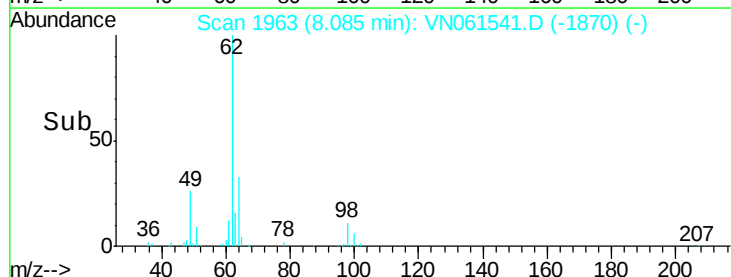
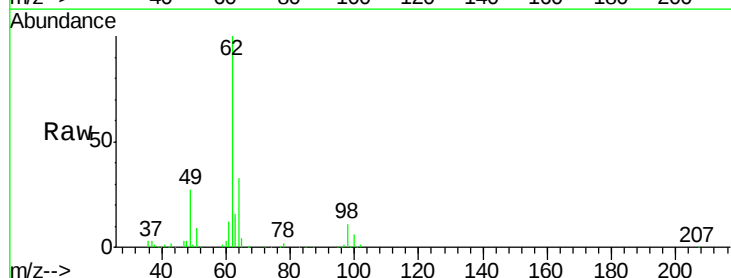
Manual Integrations
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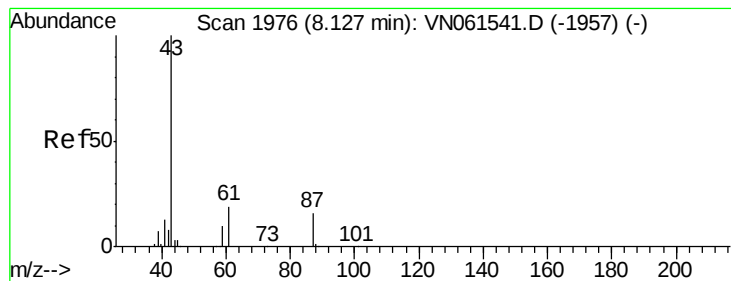
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#42
1,2-Dichloroethane
Concen: 44.305 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	21.4	





#43

Isopropyl Acetate

Concen: 43.323 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

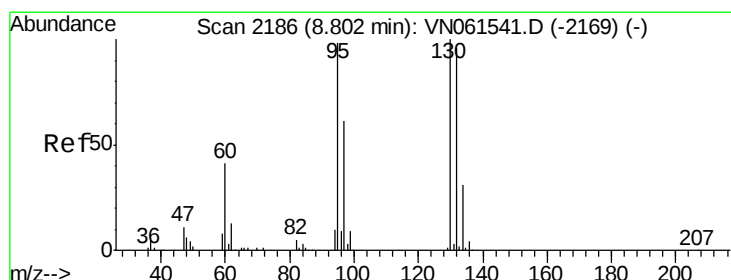
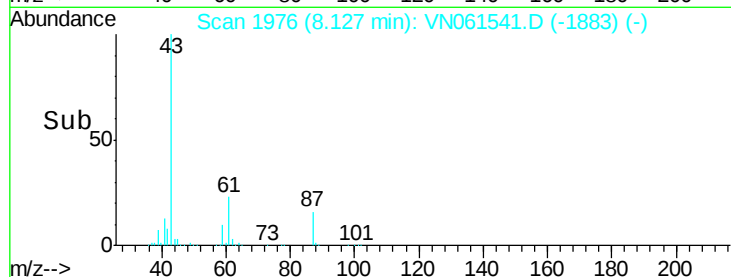
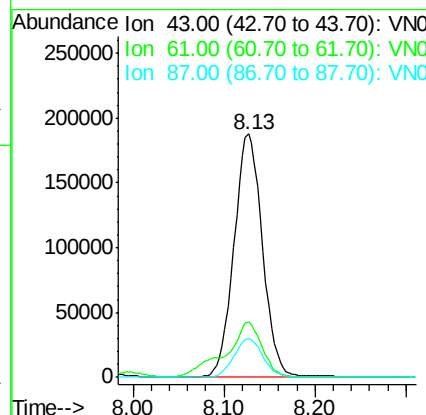
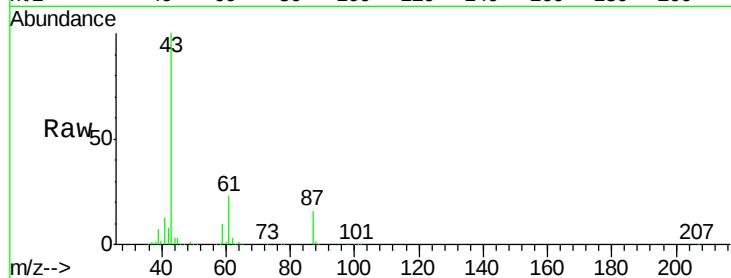
ClientSampleId :

VSTDICCC050

Tot Ion	43	Resp	408112
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.6	35.4
87	16.3	13.0	19.6

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#44

Trichloroethene

Concen: 55.440 ug/l

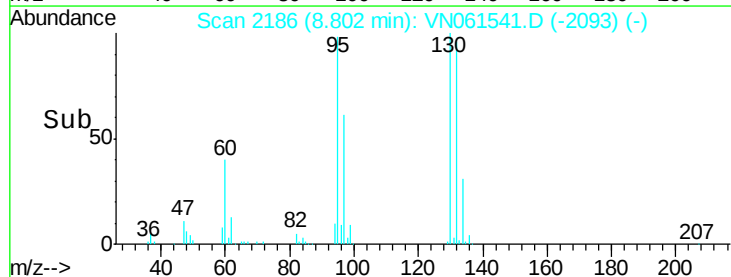
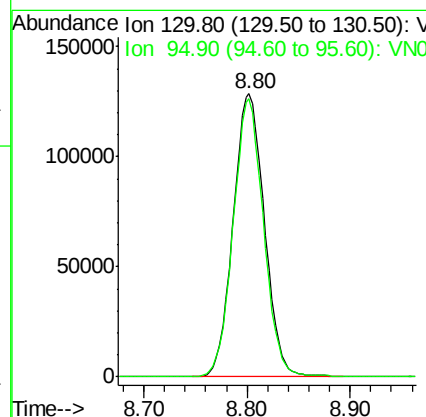
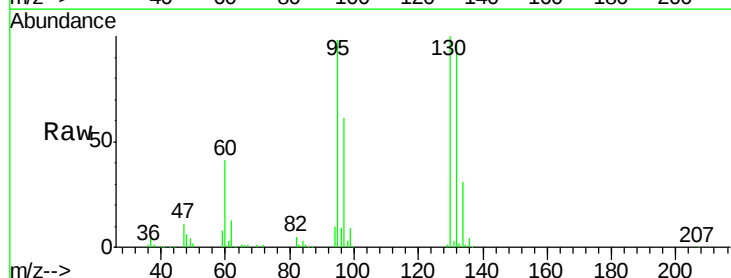
RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion	130	Resp	272281
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	196.6





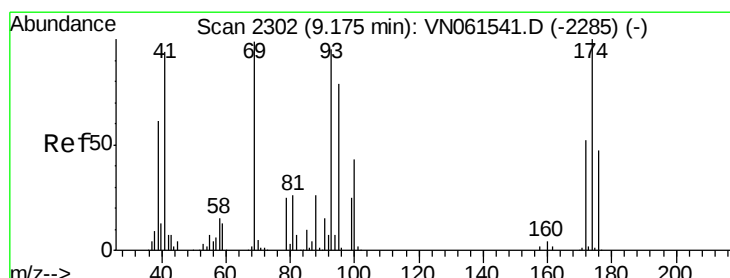
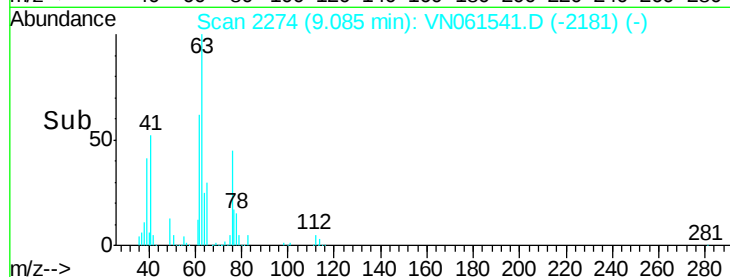
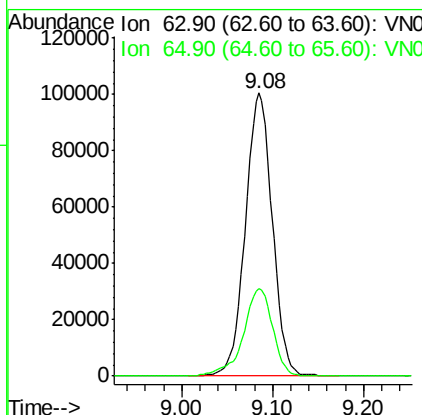
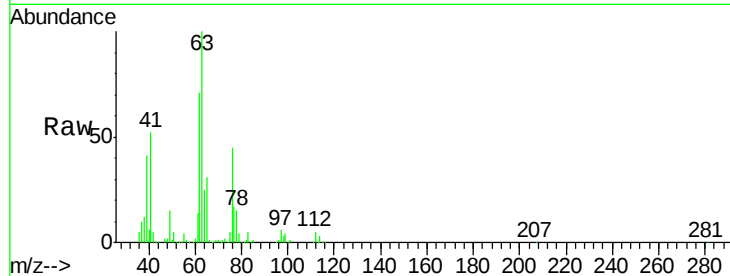
#45
 1,2-Dichloropropane
 Concen: 45.824 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 206730
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

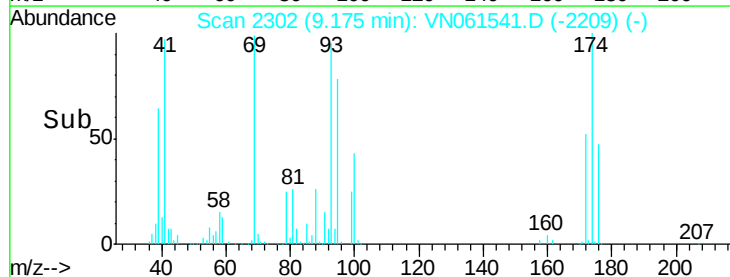
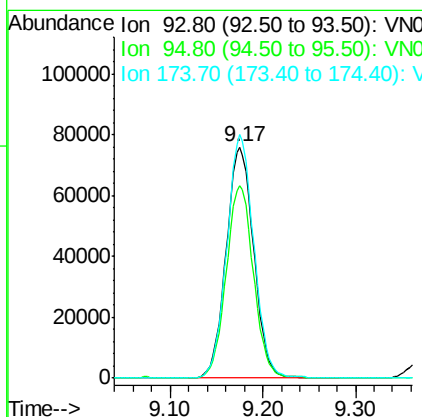
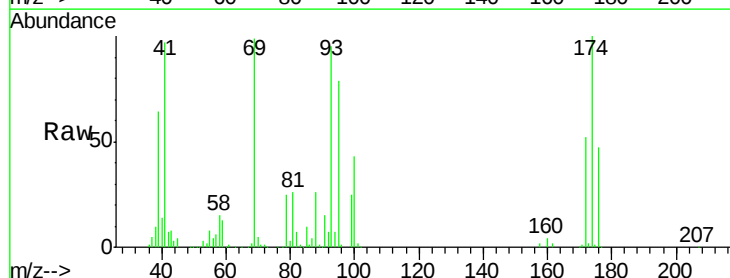
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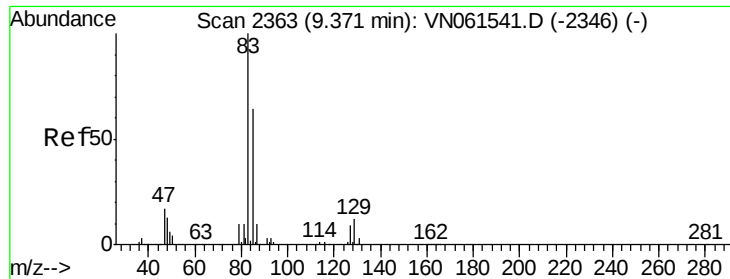
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#46
 Dibromomethane
 Concen: 48.864 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion: 93 Resp: 156761
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.0 99.0
 174 103.1 82.5 123.7





#47

Bromodichloromethane

Concen: 47.448 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

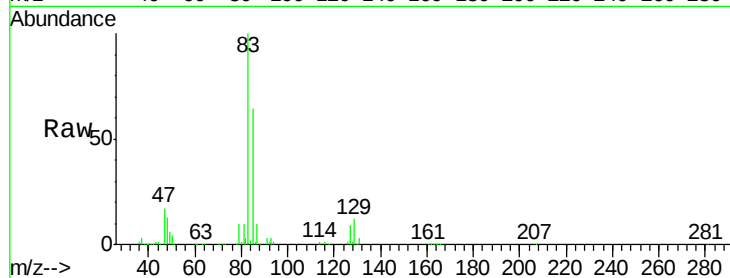
ClientSampleId :

VSTDICCC050

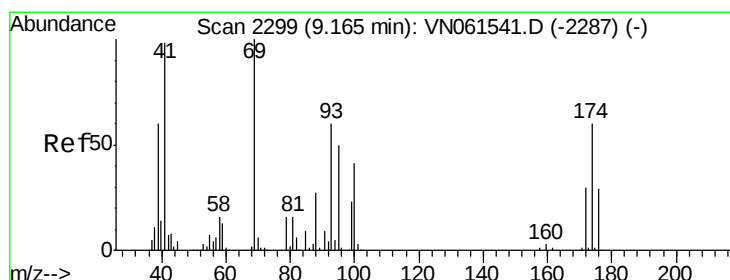
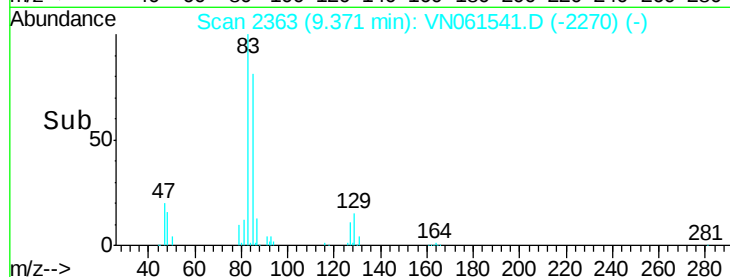
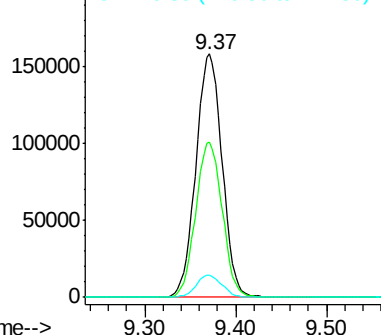
Tot Ion:	83	Resp:	317340
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	9.0	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-2346) (-)



#48

Methyl methacrylate

Concen: 41.201 ug/l

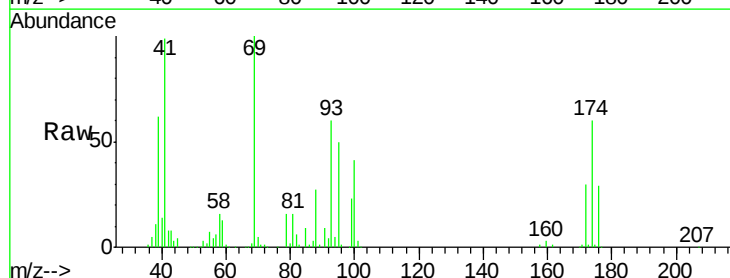
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

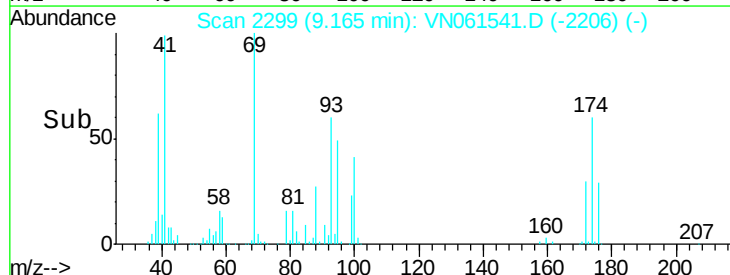
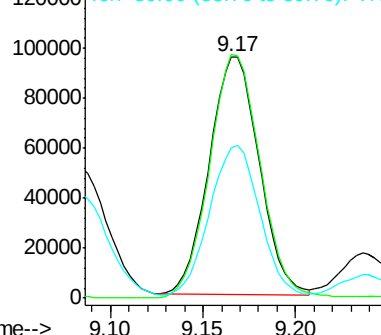
Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	41	Resp:	178223
Ion	Ratio	Lower	Upper
41	100		
69	104.9	83.9	125.9
39	65.1	52.1	78.1



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-2287) (-)





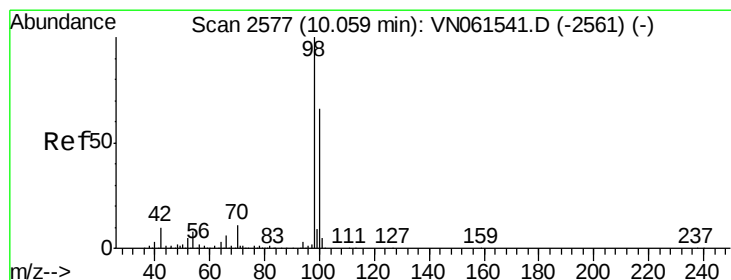
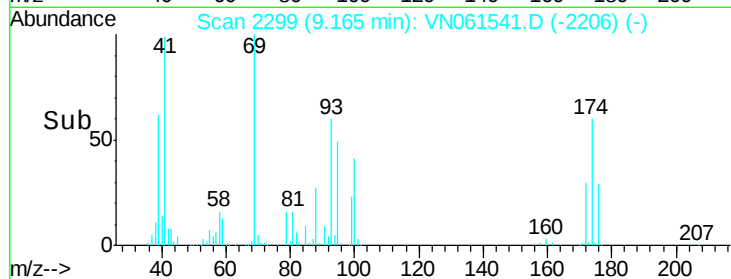
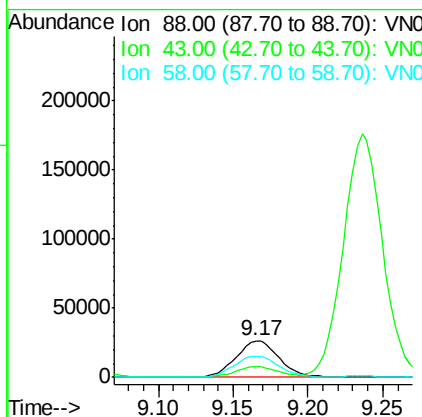
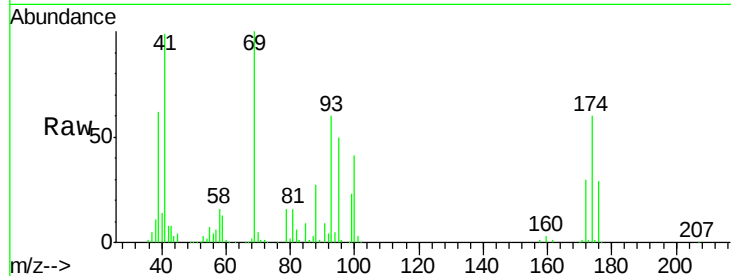
#49
1,4-Dioxane
Concen: 981.684 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.1	34.7
58	60.4	48.3	72.5

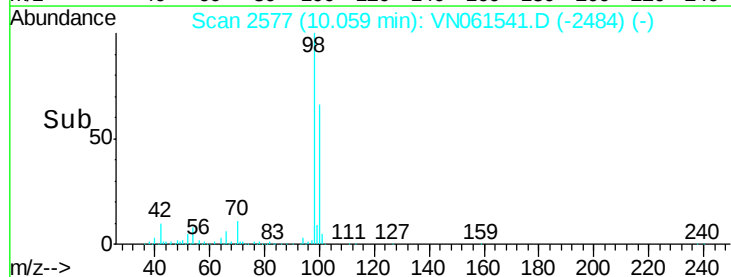
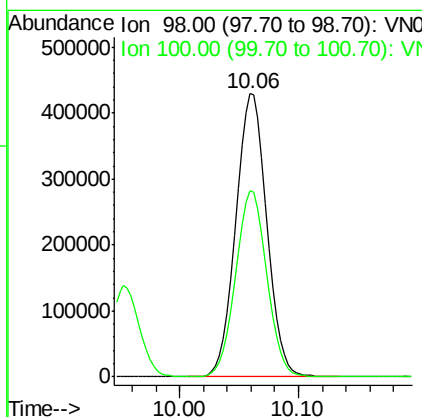
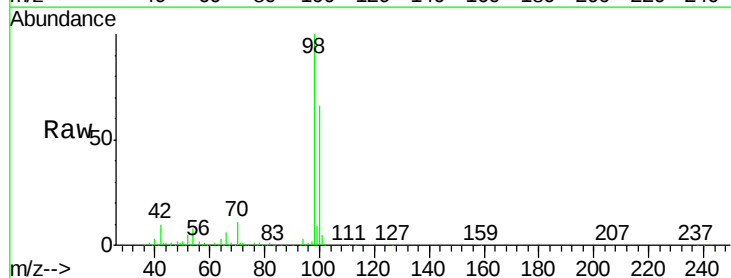
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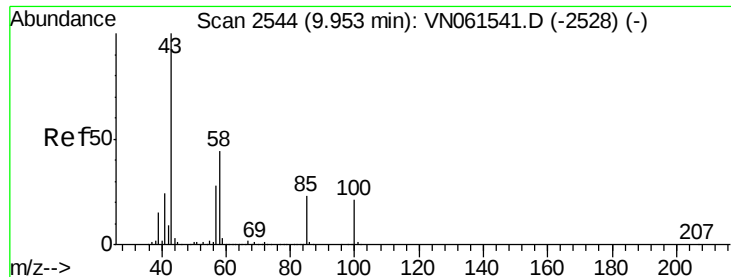
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#50
Toluene-d8
Concen: 48.854 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 229.299 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1178609

Ion Ratio Lower Upper

43 100

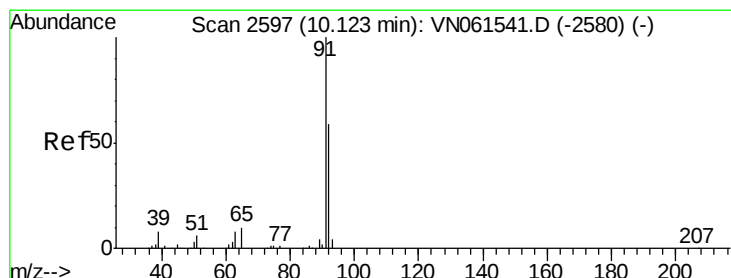
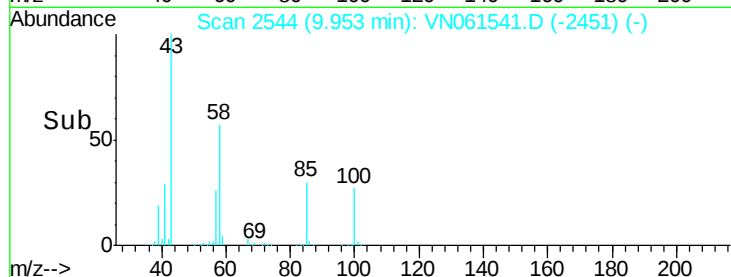
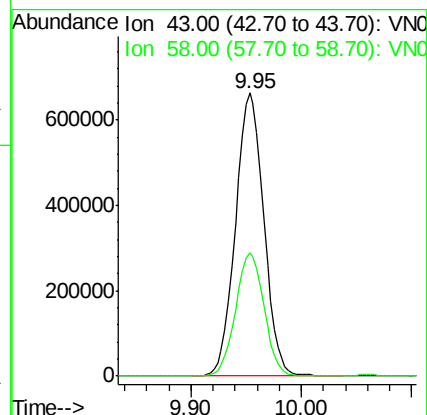
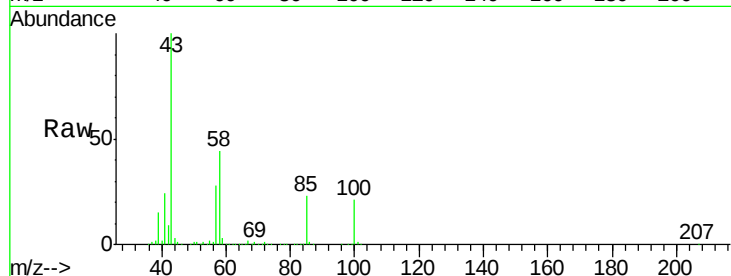
58 43.8 35.0 52.6

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#52

Toluene

Concen: 49.068 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061541.D

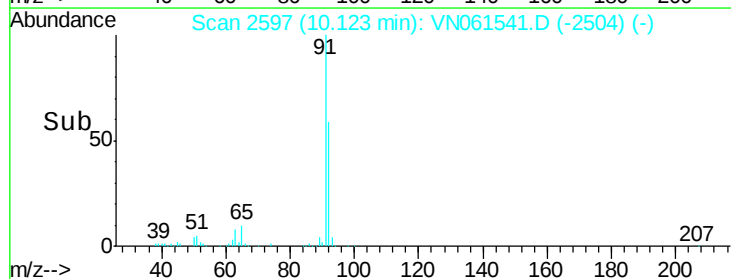
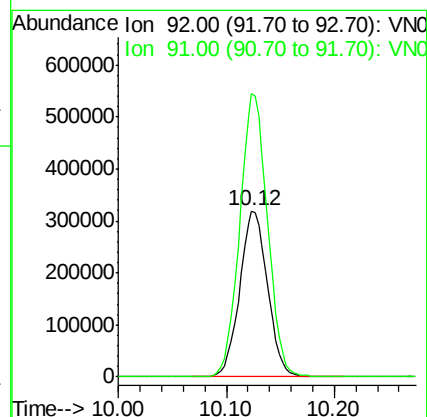
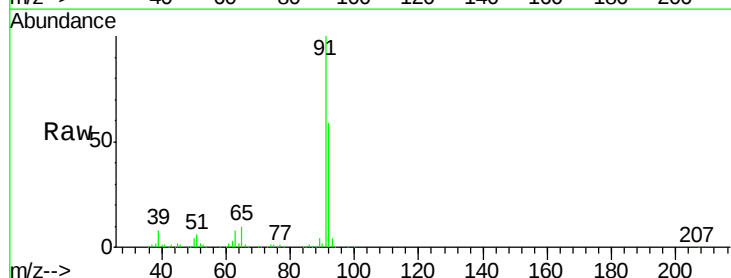
Acq: 28 May 2020 18:55

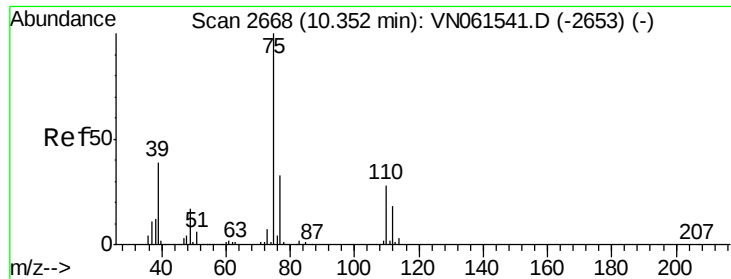
Tgt Ion: 92 Resp: 573956

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





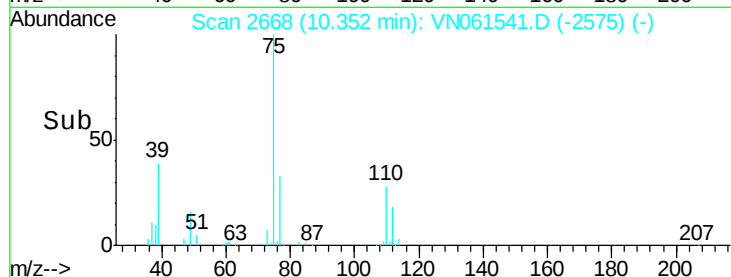
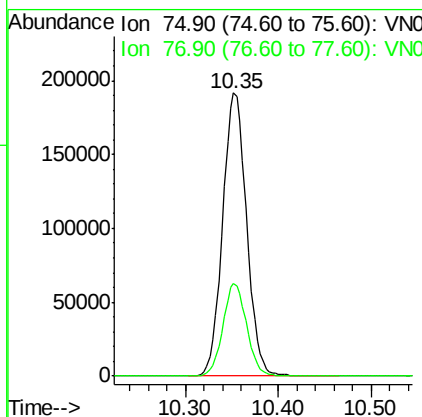
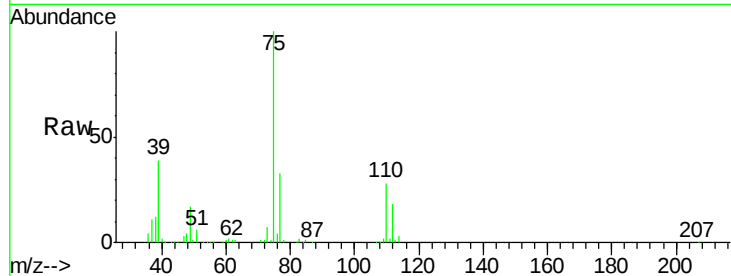
#53
t-1,3-Dichloropropene
Concen: 47.076 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 343493
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4

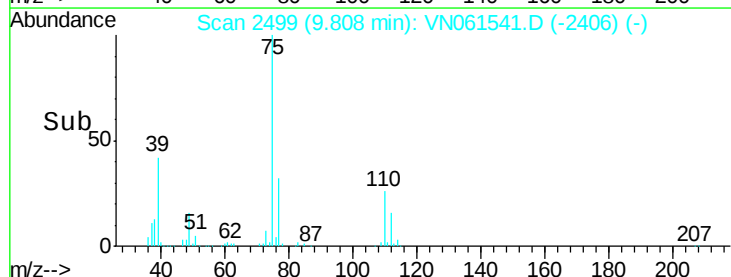
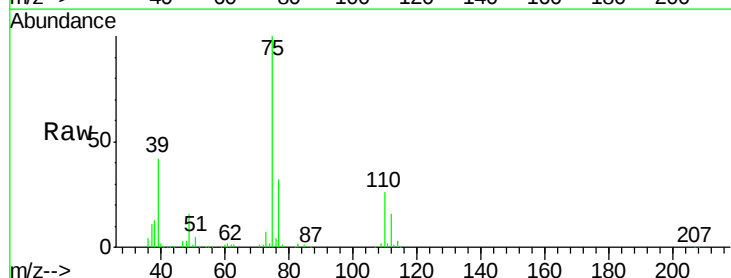
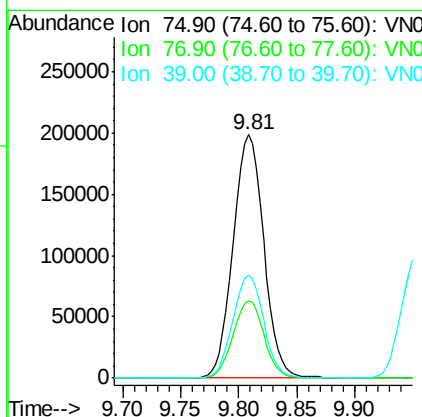
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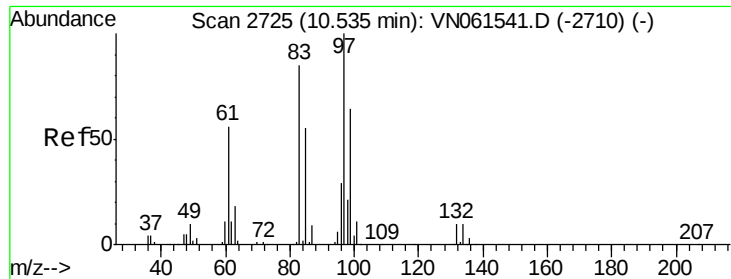
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#54
cis-1,3-Dichloropropene
Concen: 46.645 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion: 75 Resp: 363772
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2
39 42.2 33.8 50.6





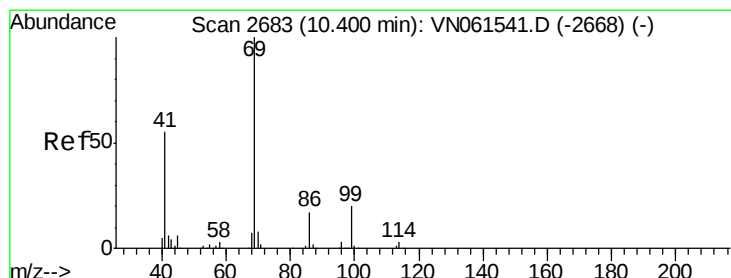
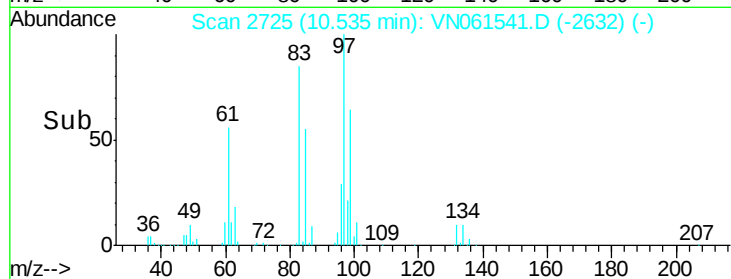
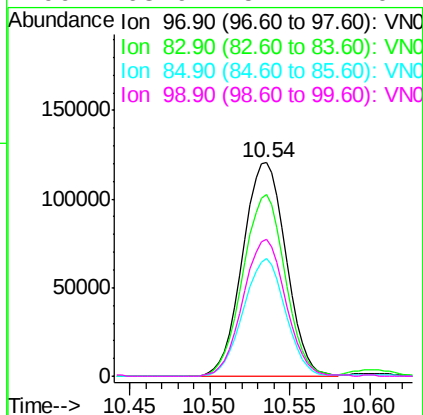
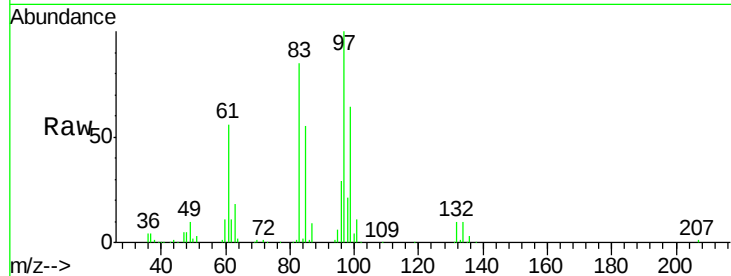
#55
 1,1,2-Trichloroethane
 Concen: 50.501 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	224148
Ion	Ratio	Lower	Upper
97	100		
83	85.1	68.1	102.1
85	55.1	44.1	66.1
99	63.9	51.1	76.7

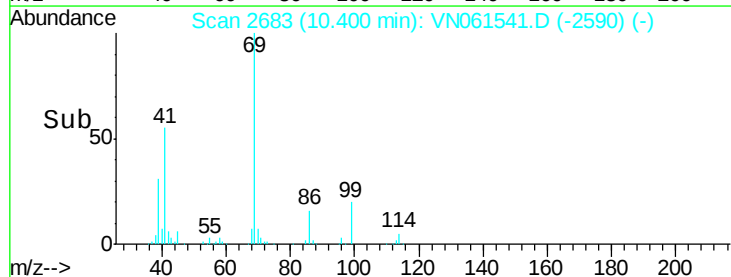
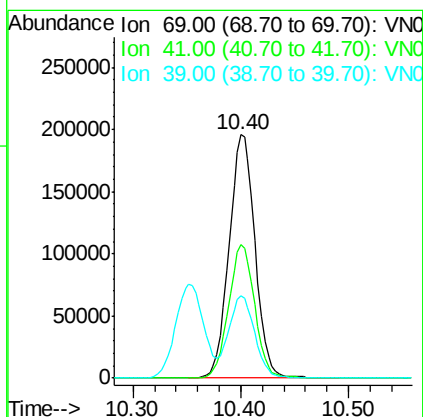
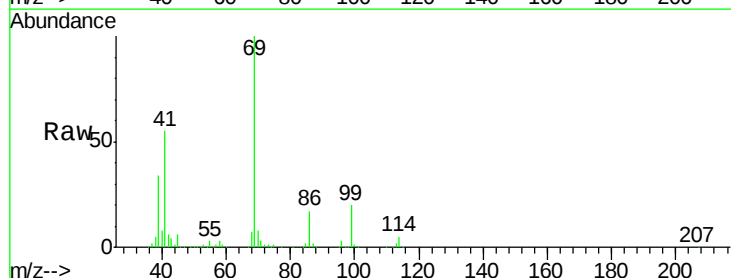
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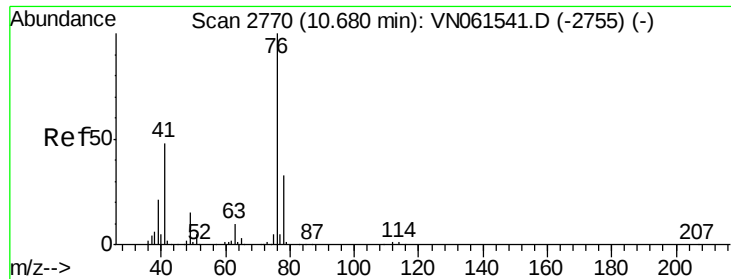
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#56
 Ethyl methacrylate
 Concen: 47.926 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion:	69	Resp:	328491
Ion	Ratio	Lower	Upper
69	100		
41	54.4	43.5	65.3
39	33.8	27.0	40.6





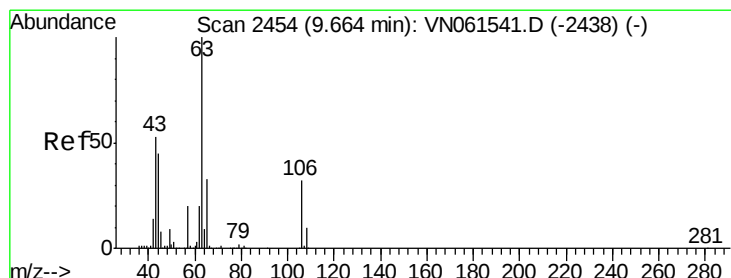
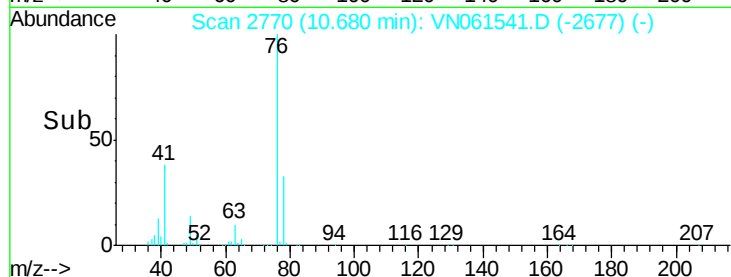
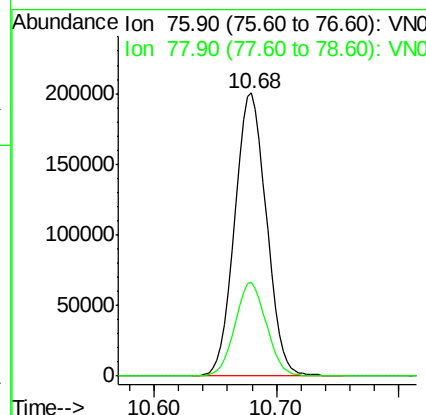
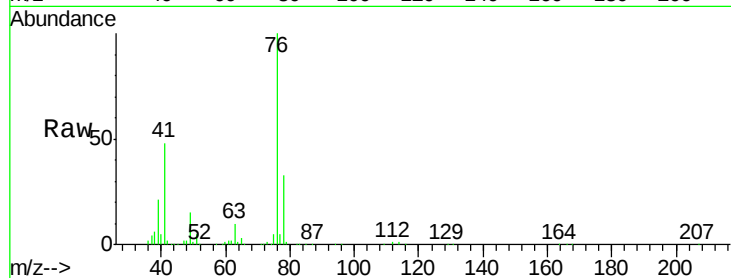
#57
 1,3-Dichloropropane
 Concen: 47.754 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.3	39.5

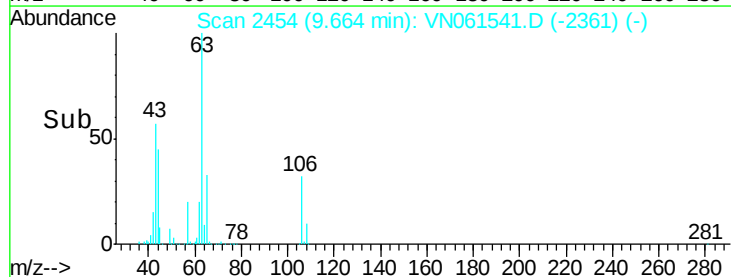
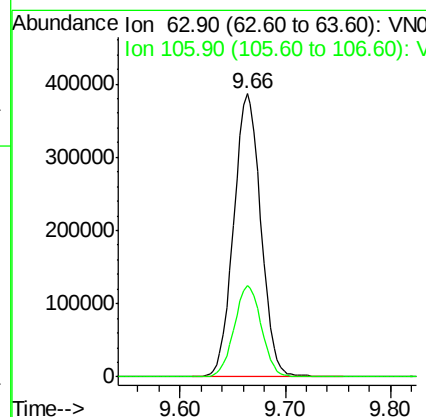
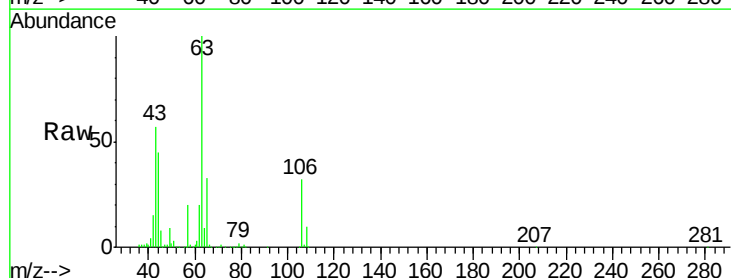
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.260 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	32.4	25.9	38.9





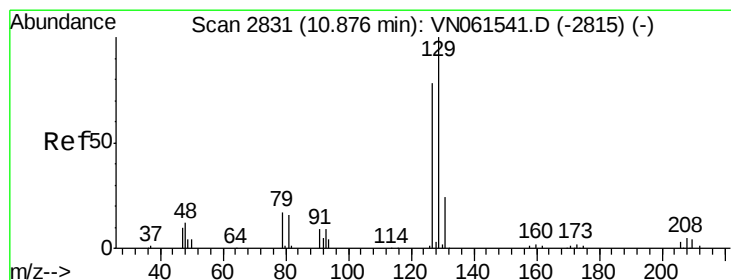
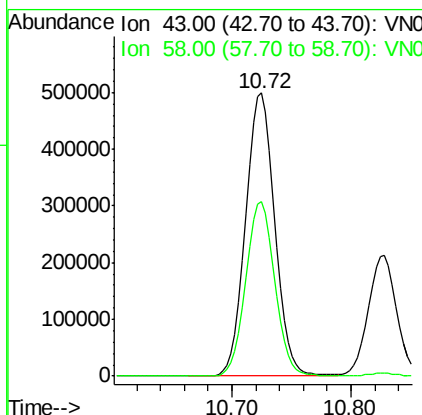
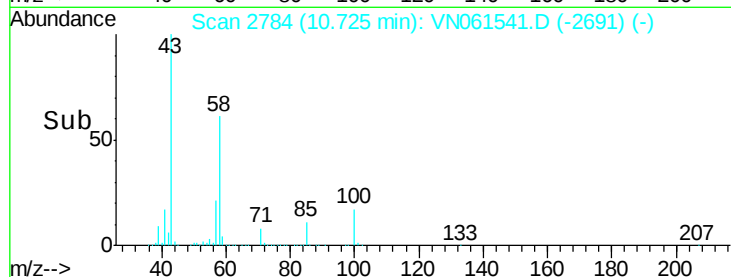
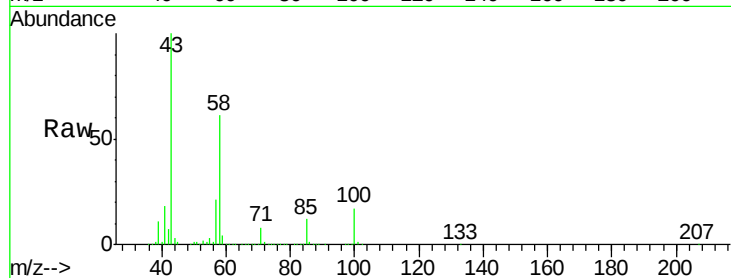
#59
2-Hexanone
Concen: 228.461 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 849108
Ion Ratio Lower Upper
43 100
58 61.4 30.7 92.1

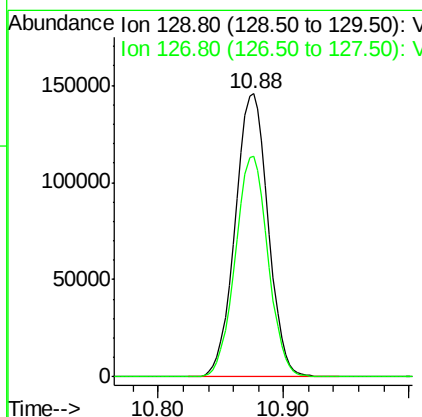
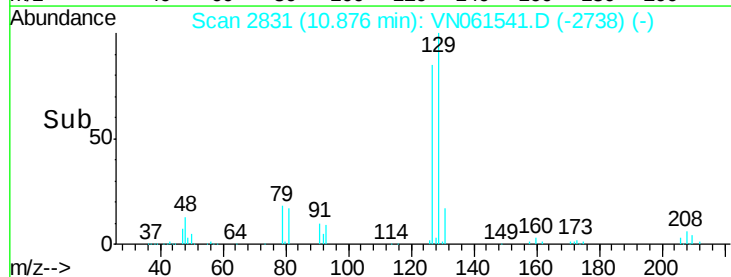
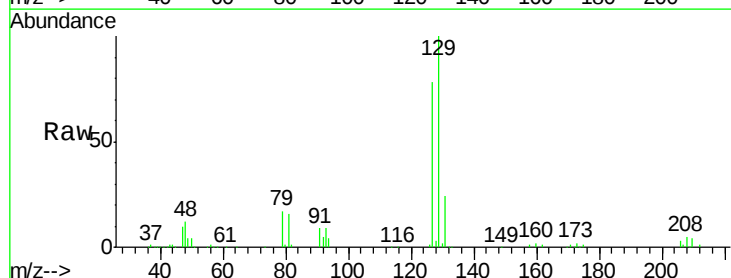
Manual Integrations
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#60
Dibromochloromethane
Concen: 53.714 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion: 129 Resp: 265824
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.127 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 239243

Ion Ratio Lower Upper

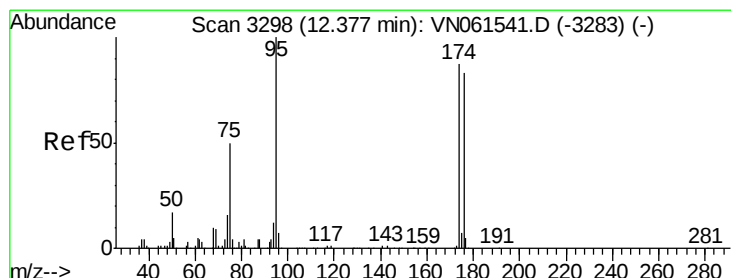
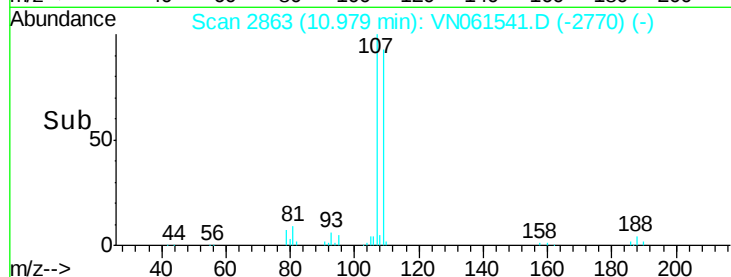
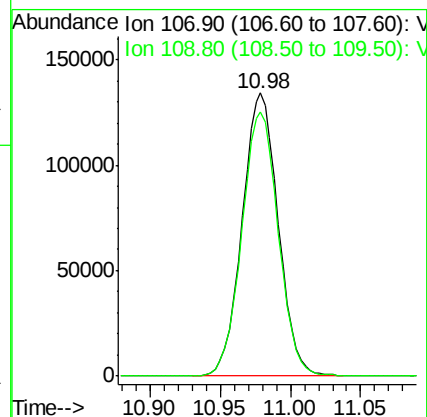
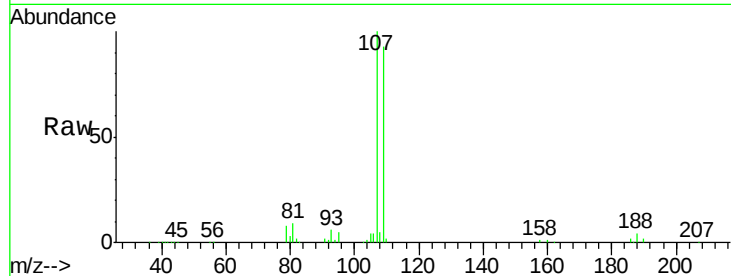
107 100

109 95.1 76.1 114.1

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#62

4-Bromofluorobenzene

Concen: 47.309 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

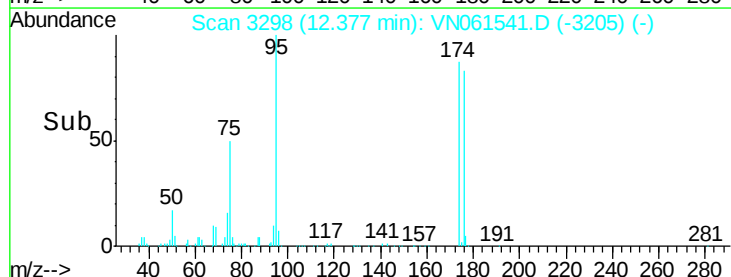
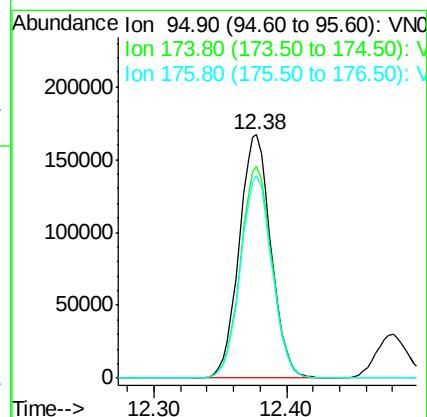
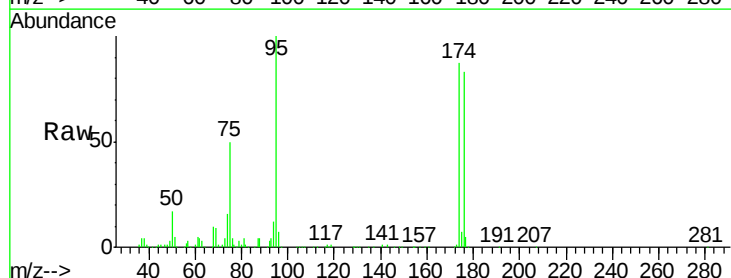
Tgt Ion: 95 Resp: 277960

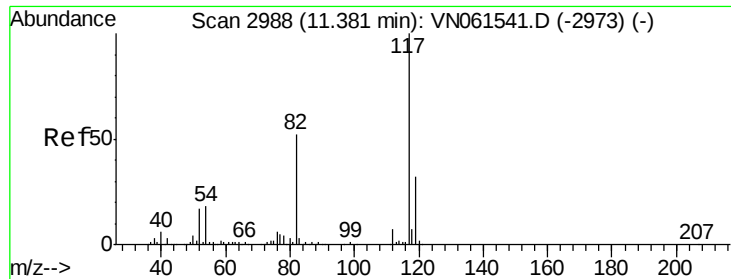
Ion Ratio Lower Upper

95 100

174 86.4 0.0 172.8

176 82.4 0.0 164.8





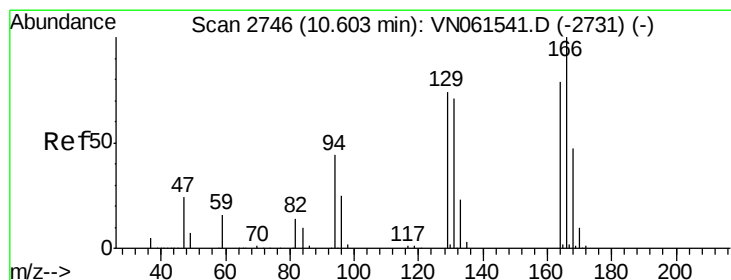
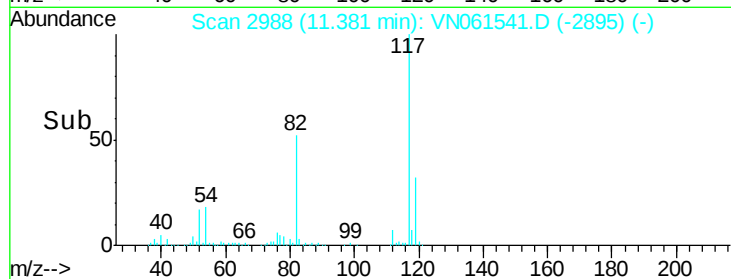
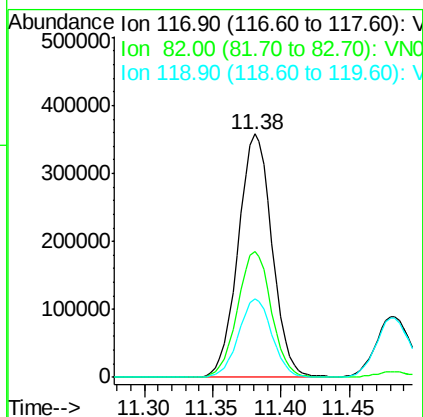
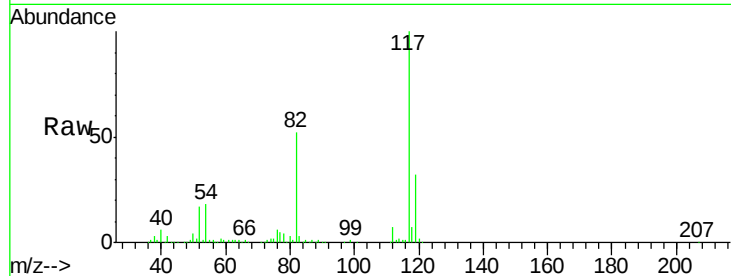
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	617635		
82	51.9		41.5	62.3
119	32.0		25.6	38.4

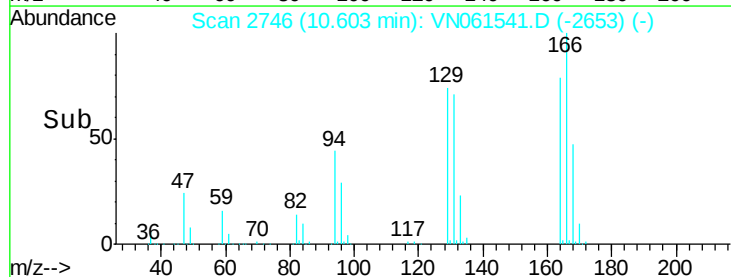
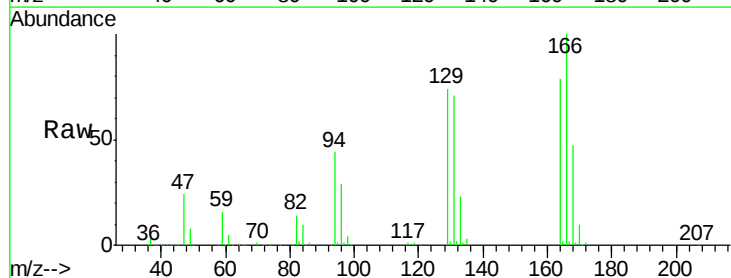
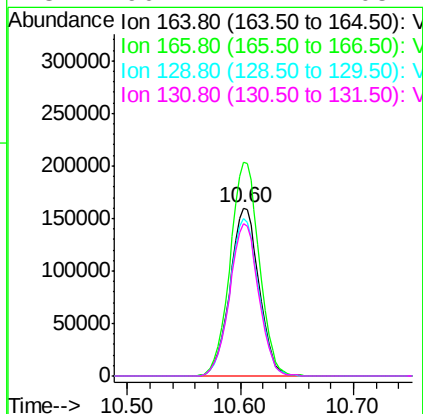
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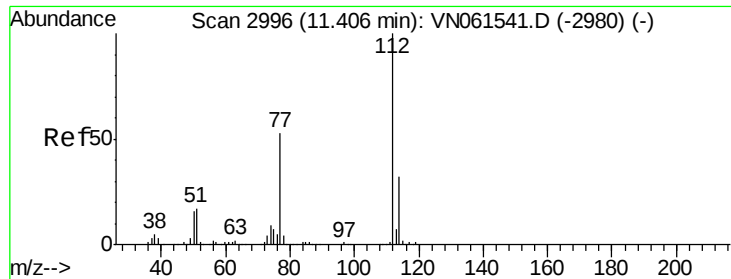
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#64
Tetrachloroethene
Concen: 57.745 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	284578		
166	126.9		101.5	152.3
129	93.6		74.9	112.3
131	90.2		72.2	108.2





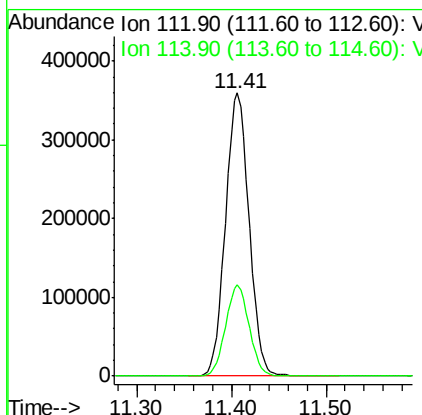
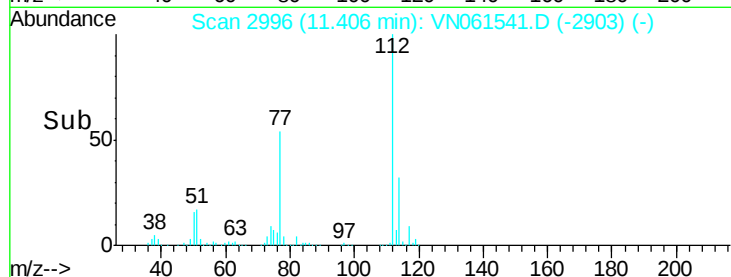
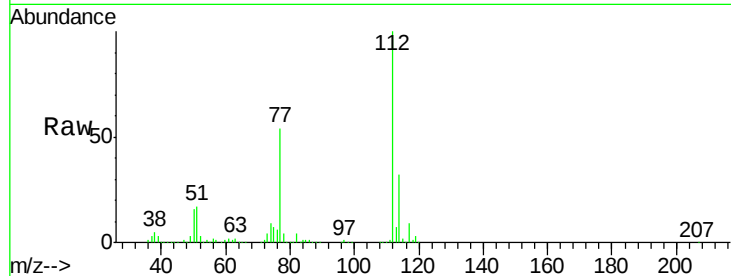
#65
Chlorobenzene
Concen: 49.557 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 622366
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5

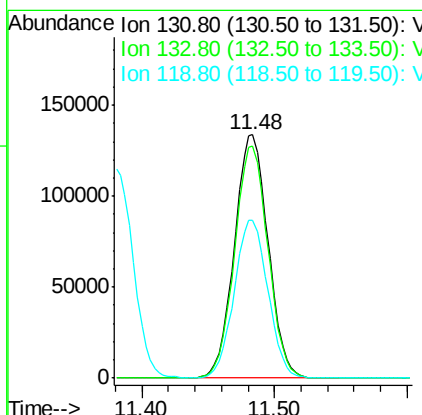
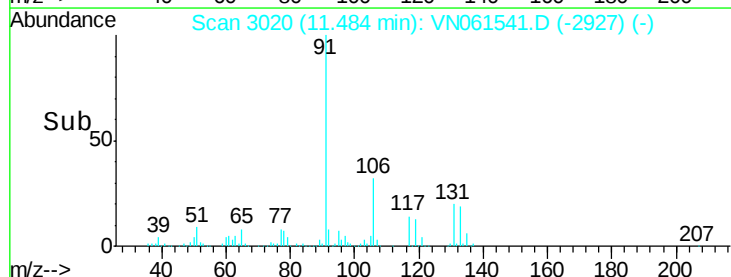
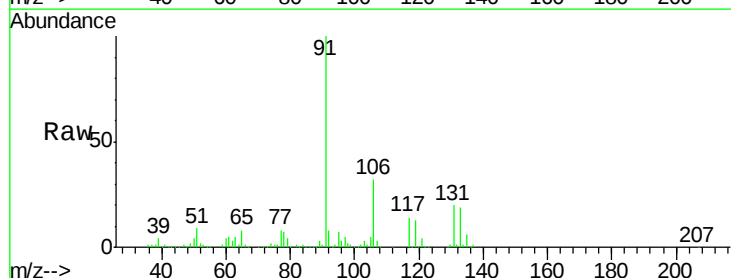
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.030 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion:131 Resp: 235733
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 65.2 32.6 97.8





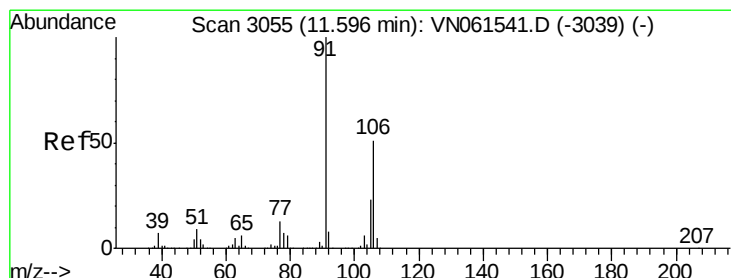
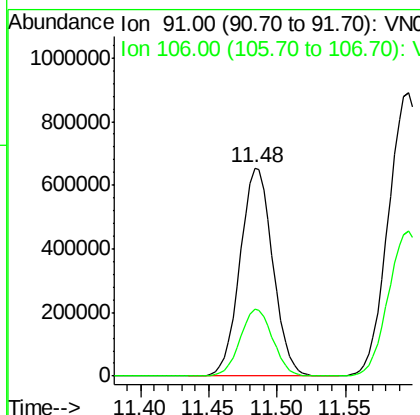
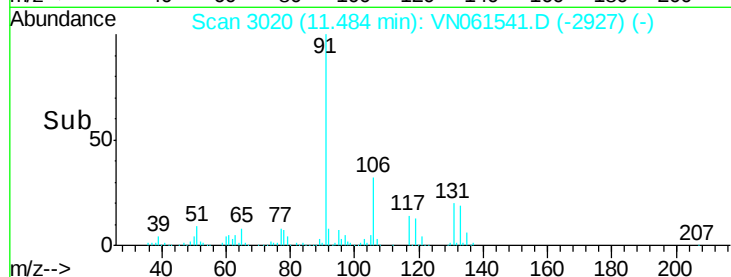
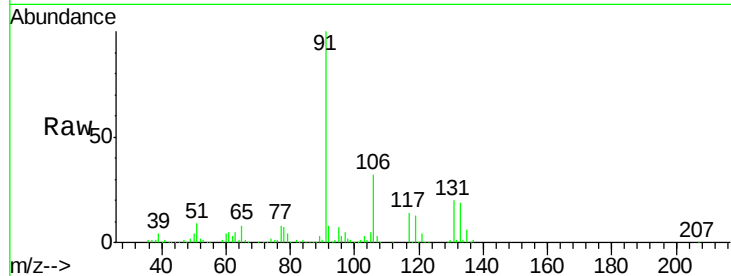
#67
Ethyl Benzene
Concen: 48.130 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1090080
Ion Ratio Lower Upper
91 100
106 32.0 25.6 38.4

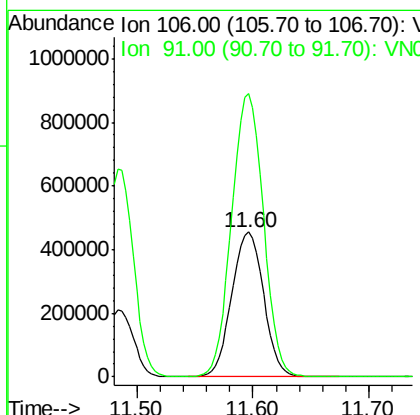
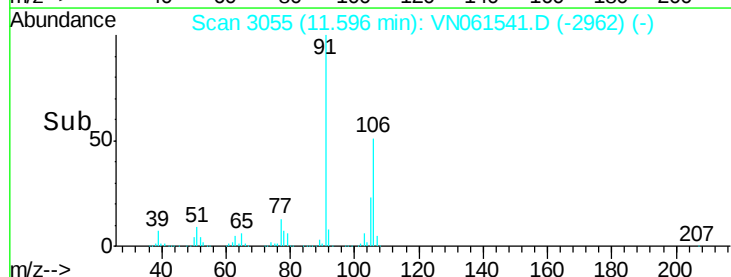
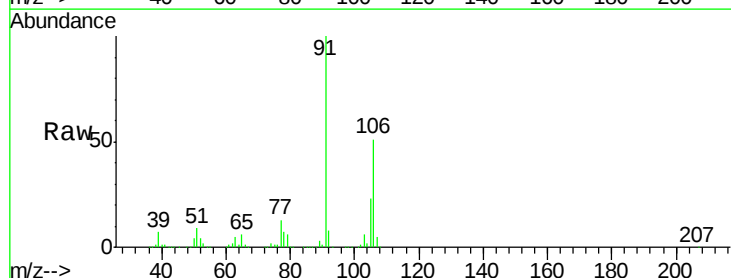
Manual Integrations
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#68
m/p-Xylenes
Concen: 100.204 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion: 106 Resp: 867380
Ion Ratio Lower Upper
106 100
91 195.3 156.2 234.4





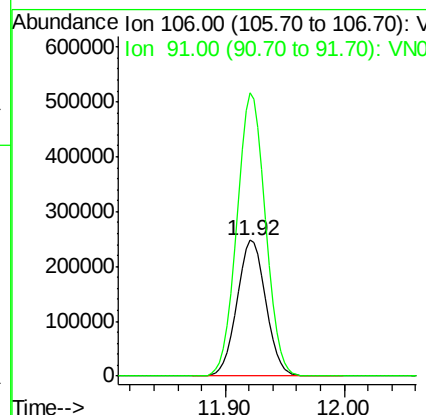
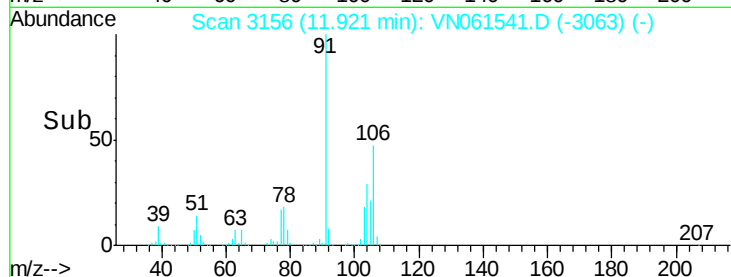
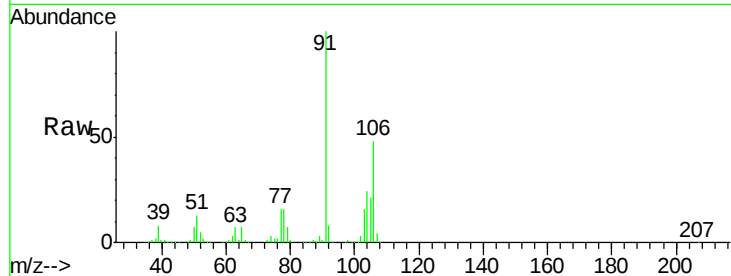
#69
o-Xylene
Concen: 49.569 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	415294		
91	91	206.5	103.3	309.8	

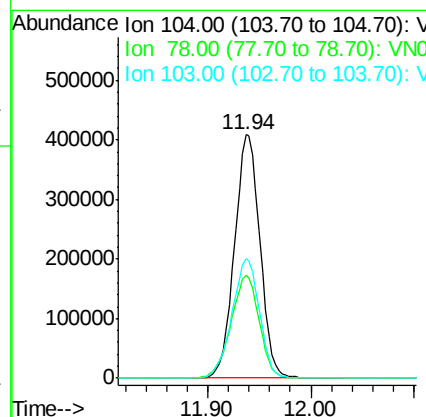
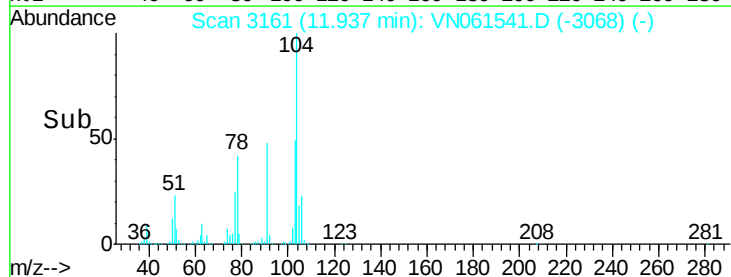
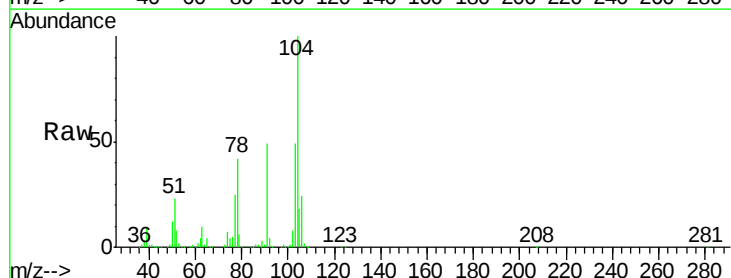
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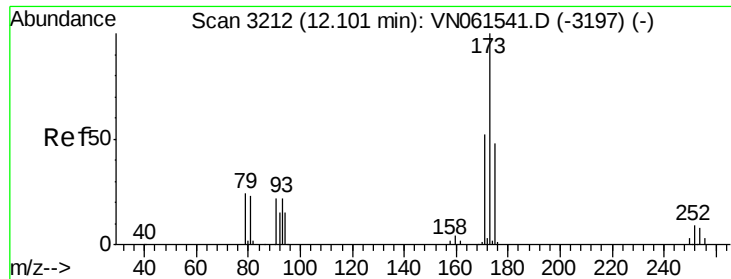
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#70
Styrene
Concen: 50.847 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	704087		
78	78	46.7	37.4	56.0	
103	103	52.9	42.3	63.5	





#71

Bromoform

Concen: 58.030 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 188029

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.2

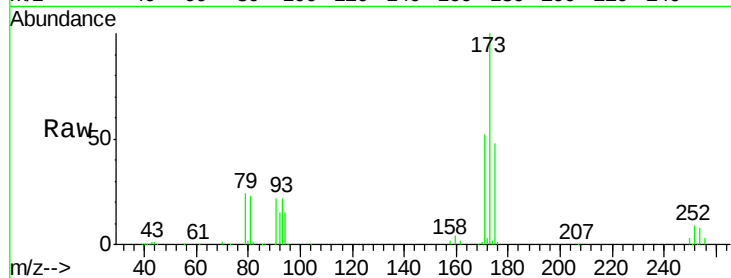
254 0.0 0.0 0.0

Manual Integrations

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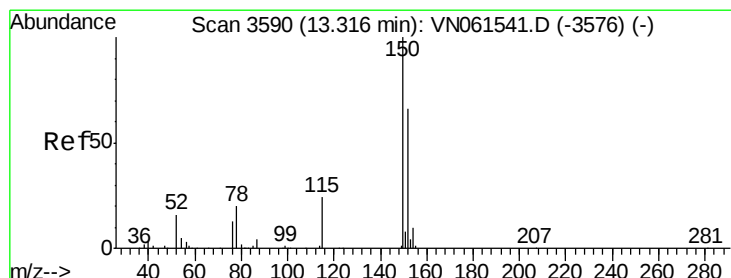
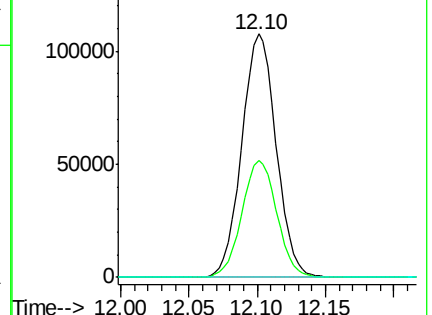
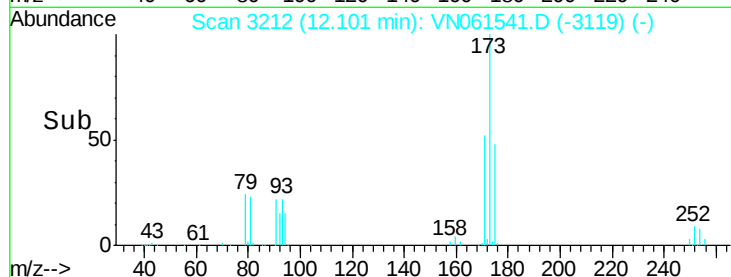
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN061541.D

Acq: 28 May 2020 18:55

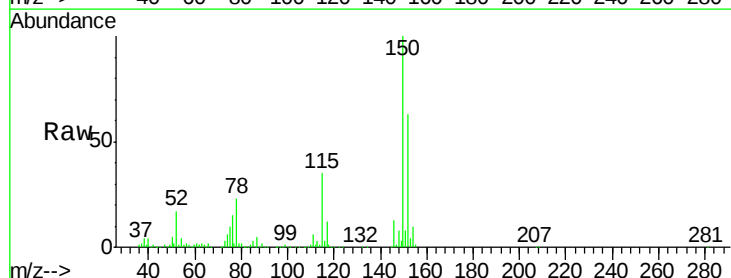
Tgt Ion:152 Resp: 314525

Ion Ratio Lower Upper

152 100

115 56.0 28.0 84.0

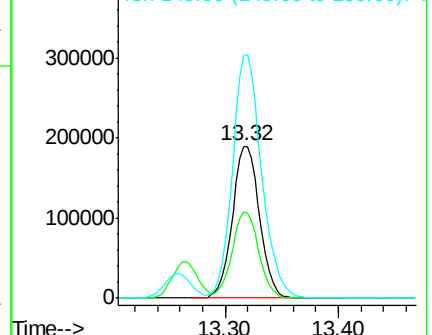
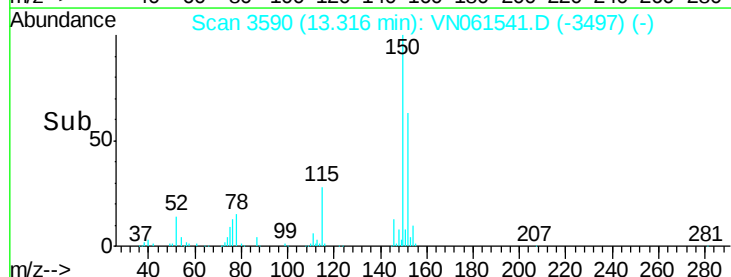
150 172.0 0.0 344.0

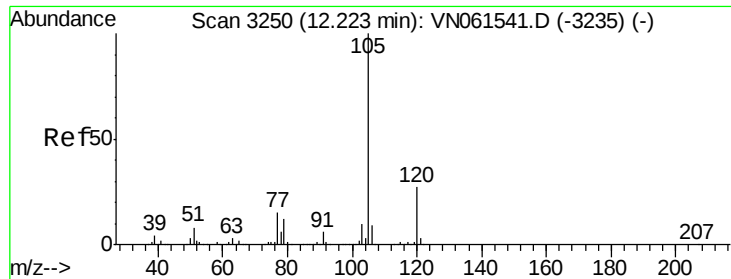


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 44.154 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1091328

Ion Ratio Lower Upper

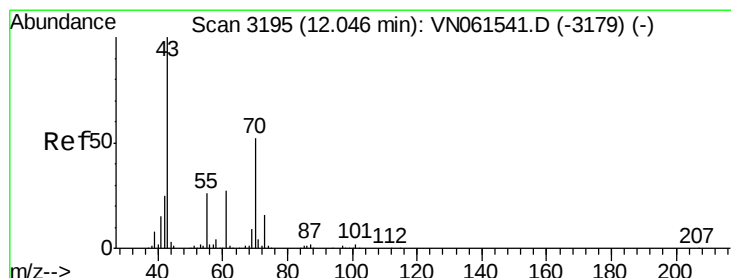
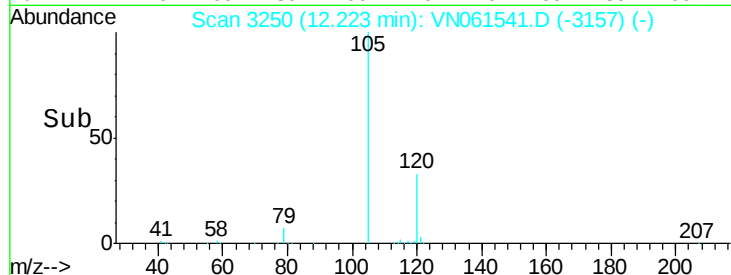
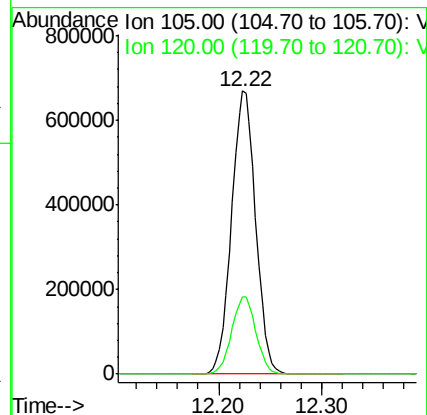
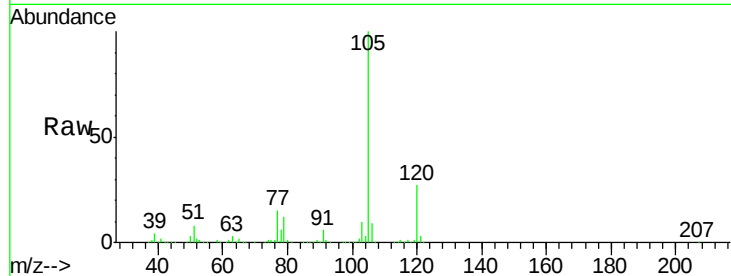
105 100

120 27.5 13.8 41.3

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#74

N-ethyl acetate

Concen: 40.102 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion: 43 Resp: 356950

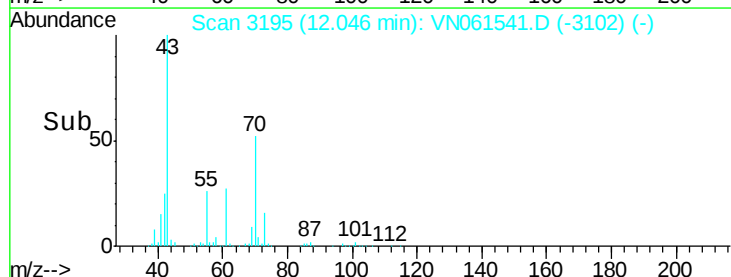
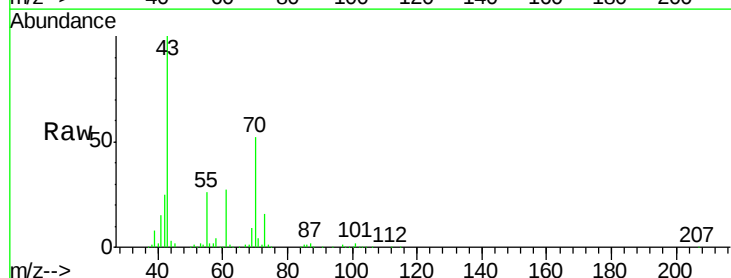
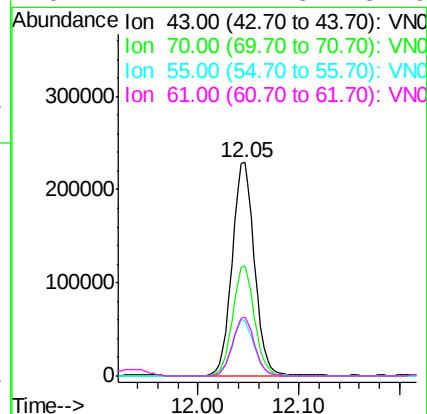
Ion Ratio Lower Upper

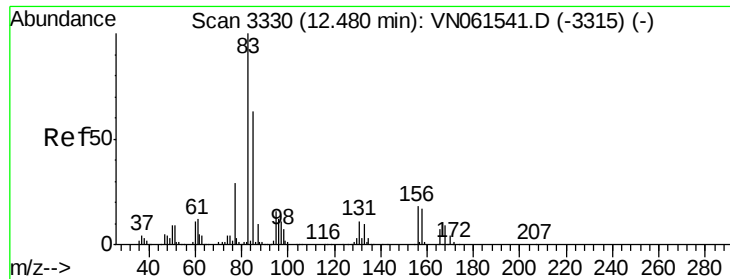
43 100

70 50.6 40.5 60.7

55 25.8 20.6 31.0

61 27.2 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 44.144 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 300428

Ion Ratio Lower Upper

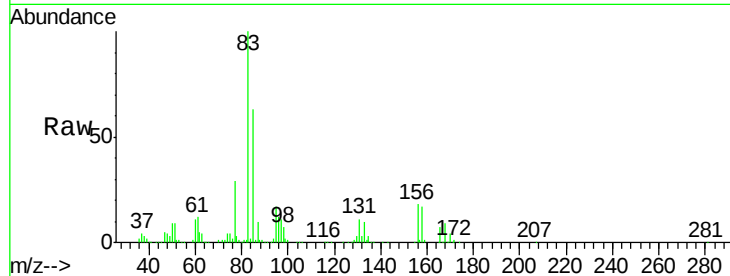
83 100

131 11.0 5.5 16.5

85 64.2 32.1 96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

12.48

250000

200000

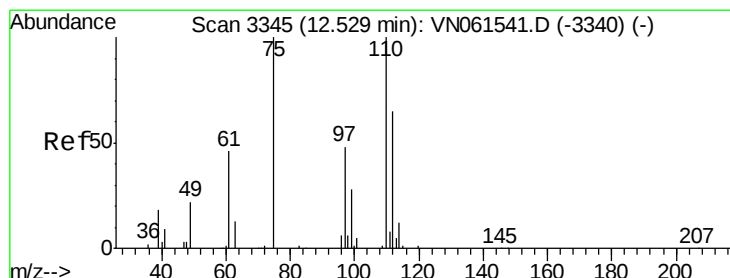
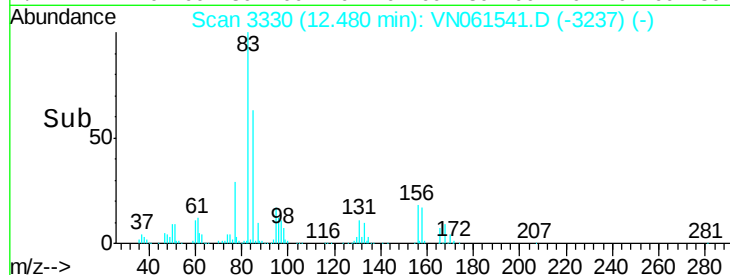
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 40.469 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061541.D

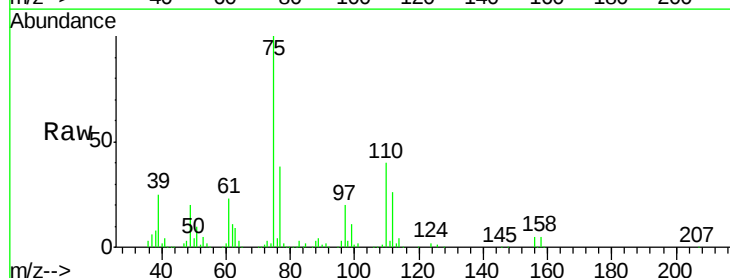
Acq: 28 May 2020 18:55

Tgt Ion: 75 Resp: 264977

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

300000

250000

200000

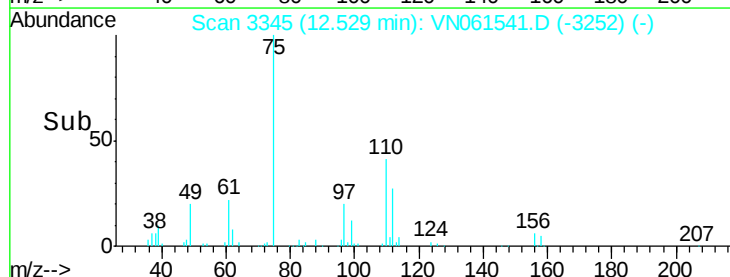
150000

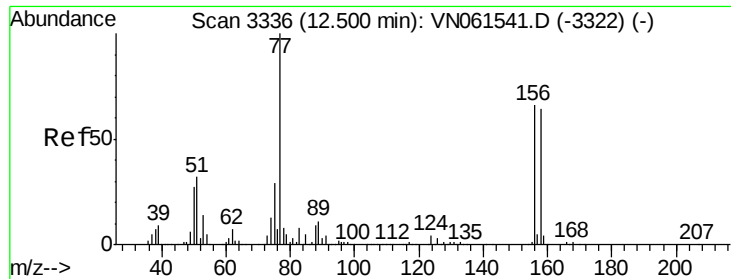
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 51.110 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

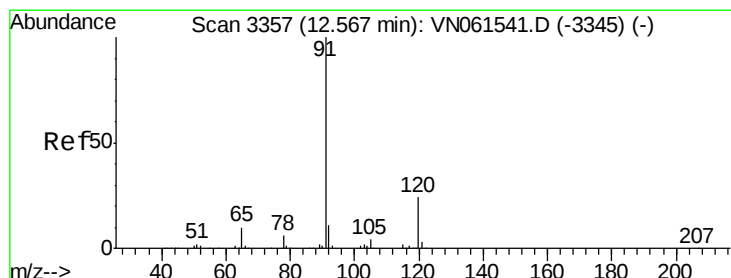
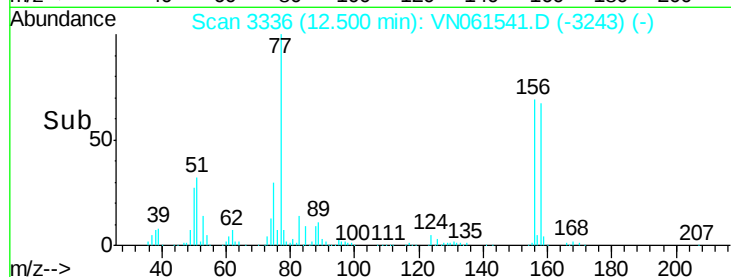
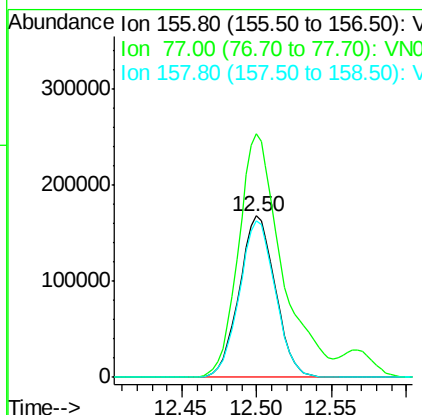
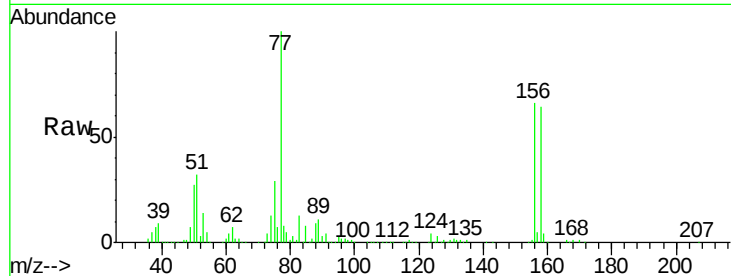
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	281608
Ion Ratio	Lower	Upper	
156	100		
77	181.8	90.9	272.7
158	96.9	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 43.650 ug/l

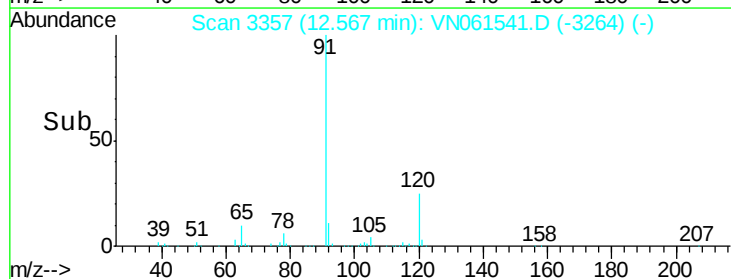
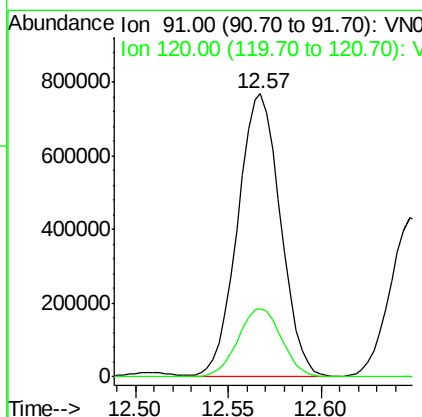
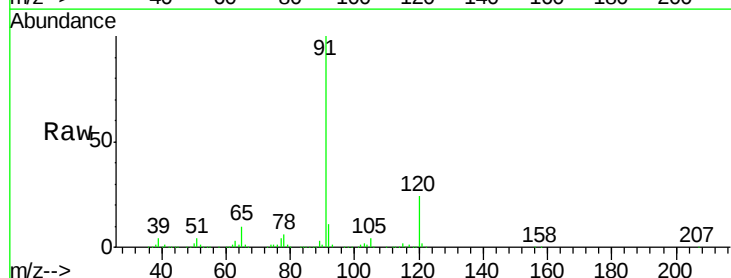
RT: 12.57 min Scan# 3357

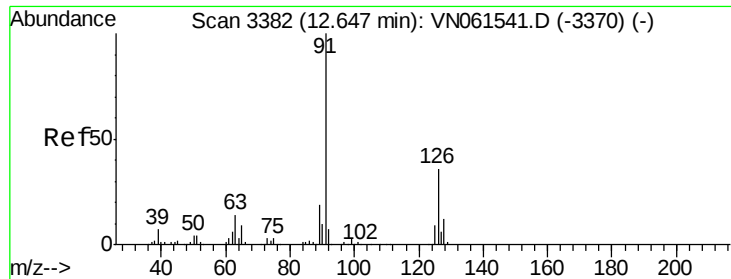
Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	91	Resp:	1222028
Ion Ratio	Lower	Upper	
91	100		
120	24.6	12.3	36.9





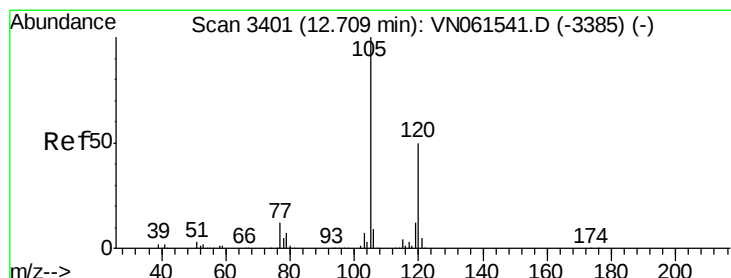
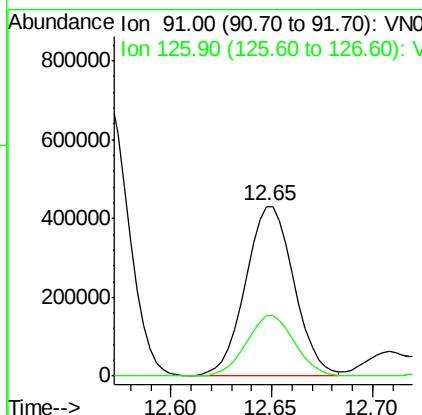
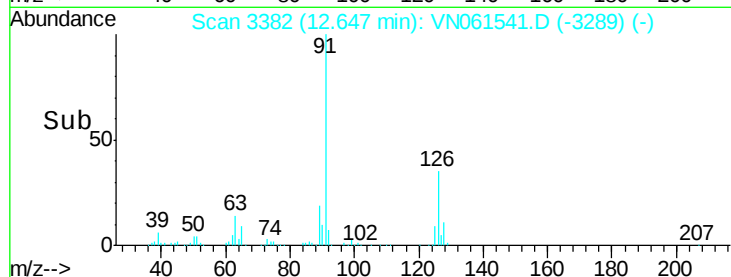
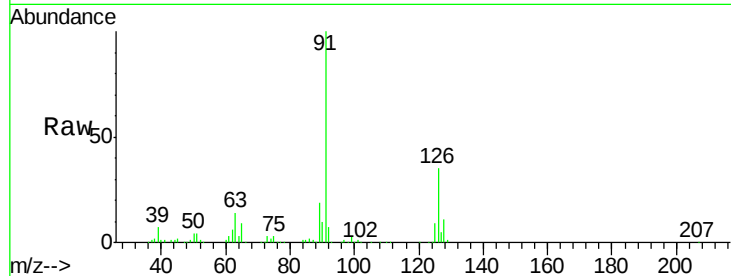
#79
 2-Chlorotoluene
 Concen: 43.289 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 91 Resp: 718942
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

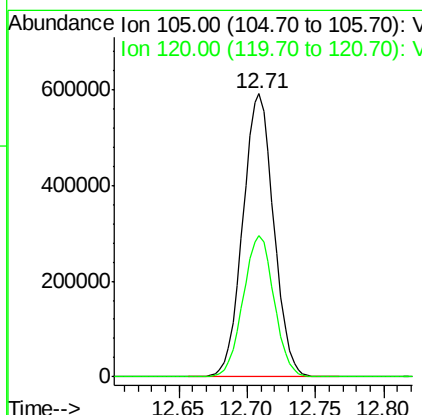
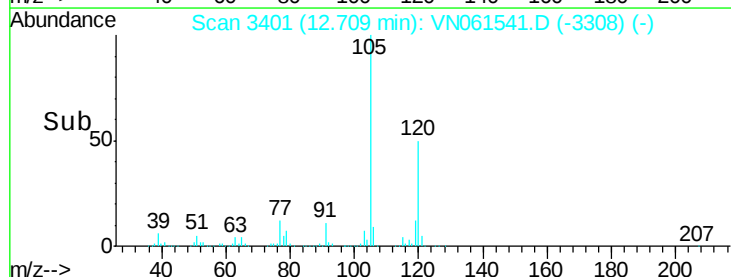
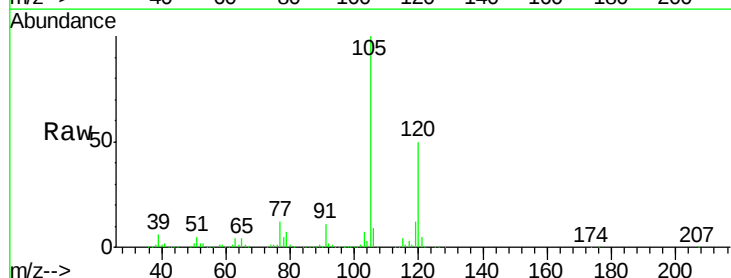
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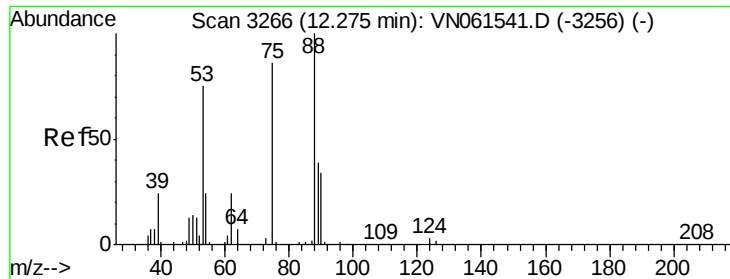
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#80
 1,3,5-Trimethylbenzene
 Concen: 45.663 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion: 105 Resp: 924866
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 43.756 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

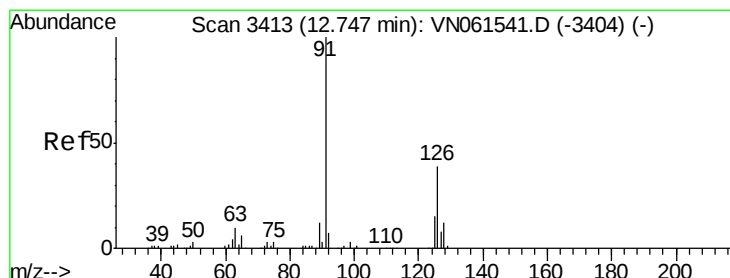
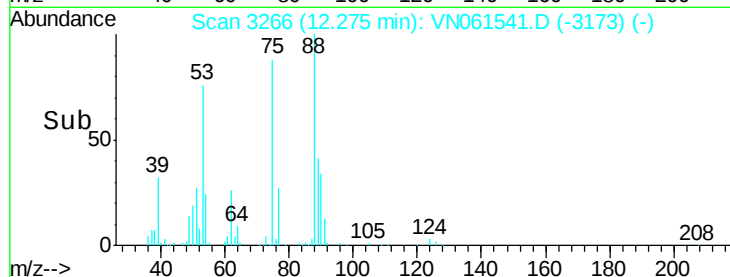
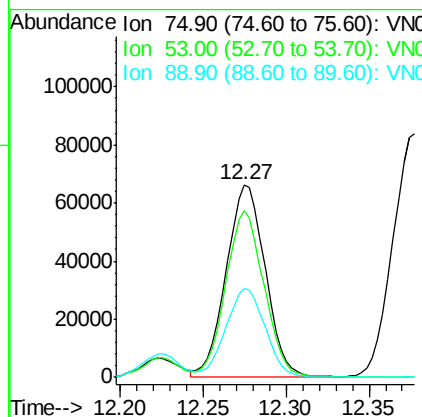
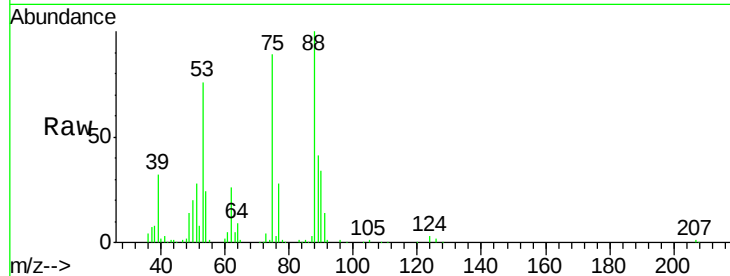
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	108870
Ion	Ratio	Lower	Upper
75	100		
53	84.8	67.8	101.8
89	46.4	37.1	55.7

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#82

4-Chlorotoluene

Concen: 44.235 ug/l

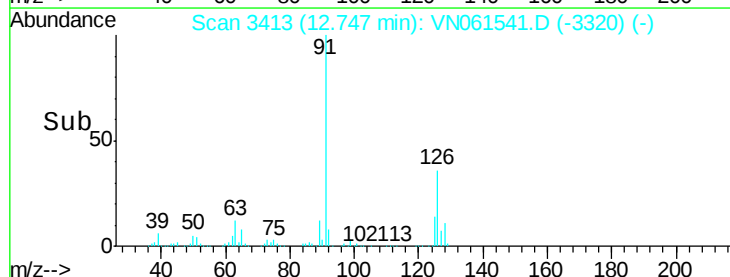
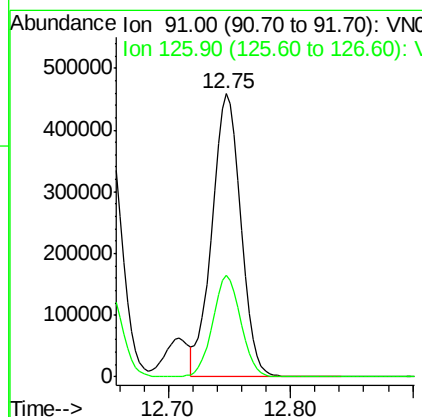
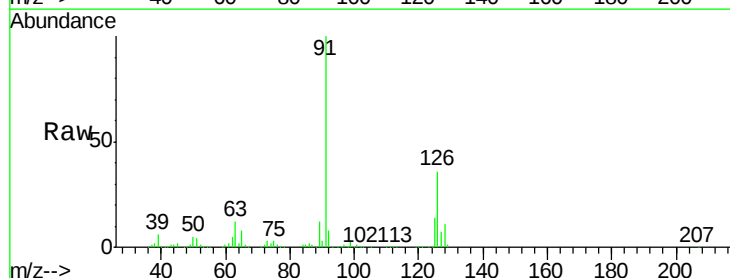
RT: 12.75 min Scan# 3413

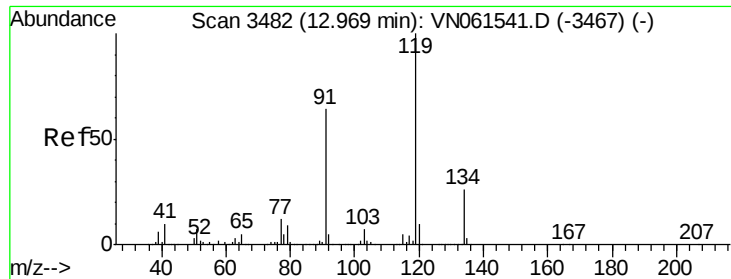
Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	91	Resp:	760484
Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.5	52.6





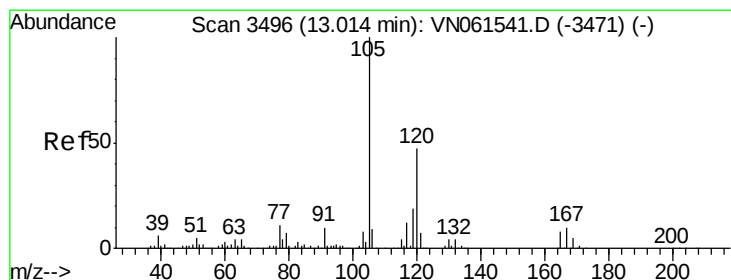
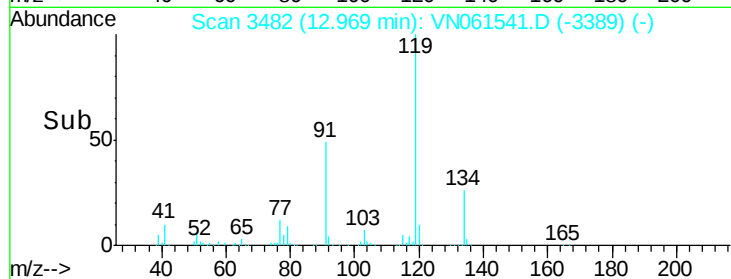
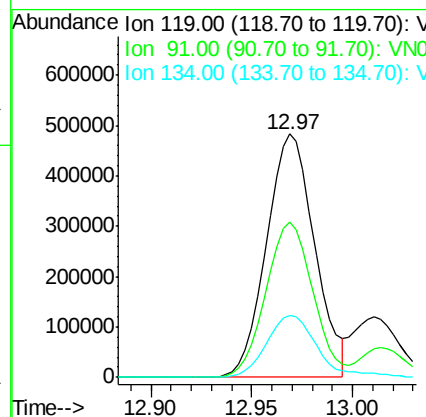
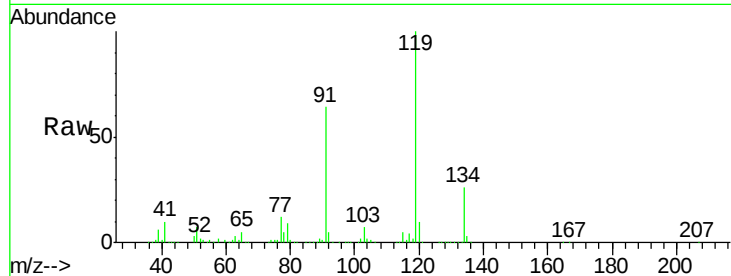
#83
 tert-Butylbenzene
 Concen: 46.055 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	801335		
91	62.5		31.3	93.8
134	26.9		13.5	40.4

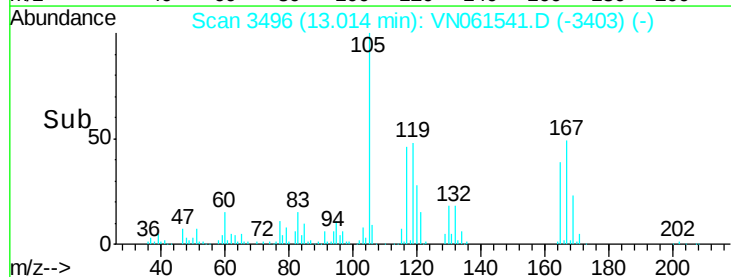
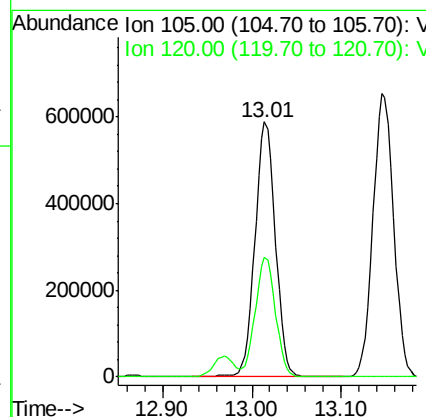
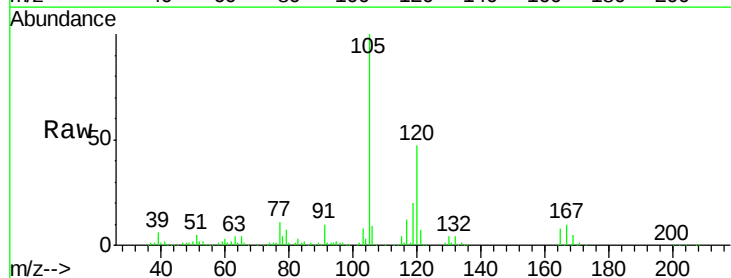
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.030 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	932886		
120	46.3		23.2	69.5





#85

sec-Butylbenzene

Concen: 44.715 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1044961

Ion Ratio Lower Upper

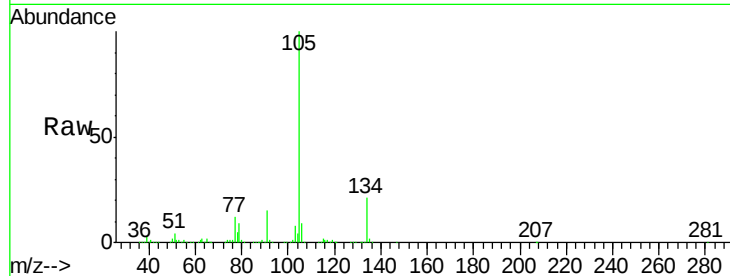
105 100

134 21.3 10.7 31.9

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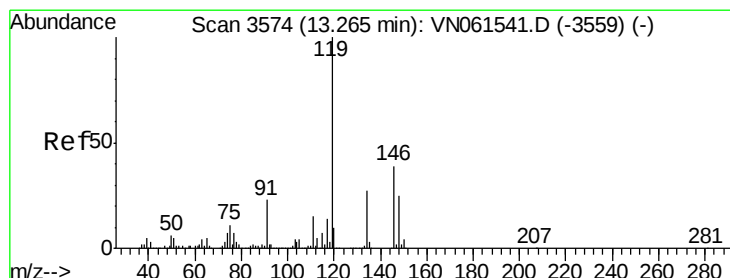
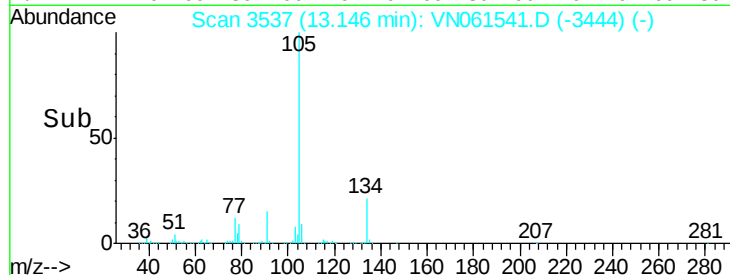
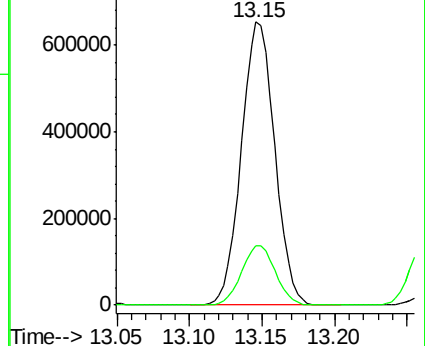
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.735 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

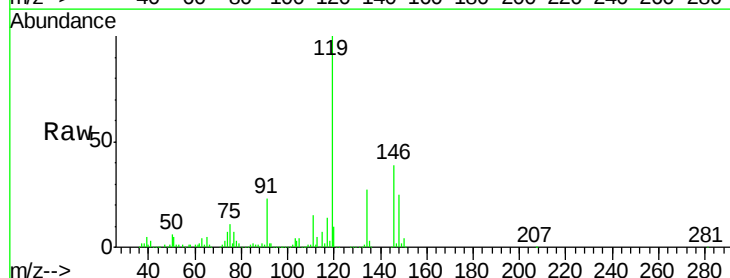
Tgt Ion:119 Resp: 975682

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

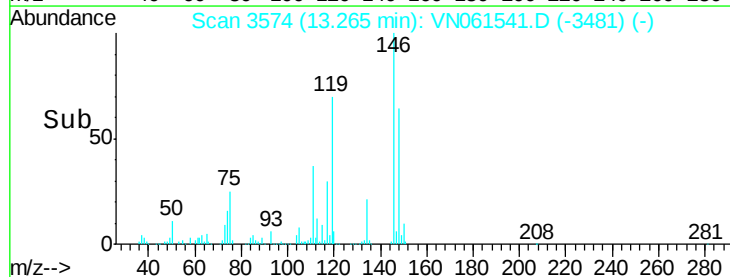
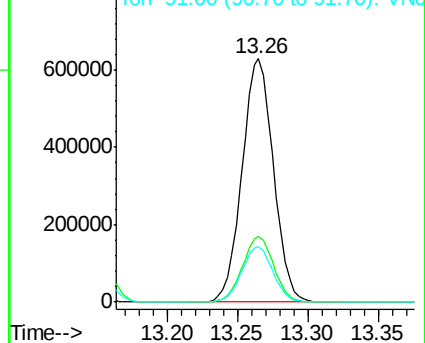
91 22.7 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





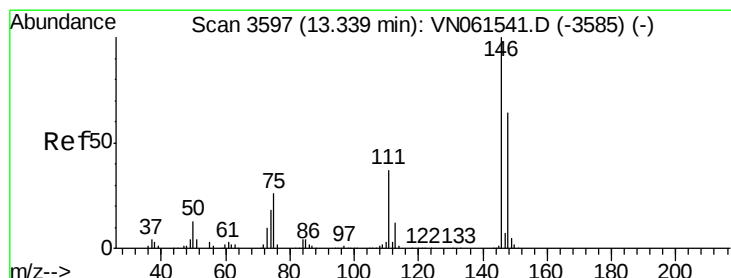
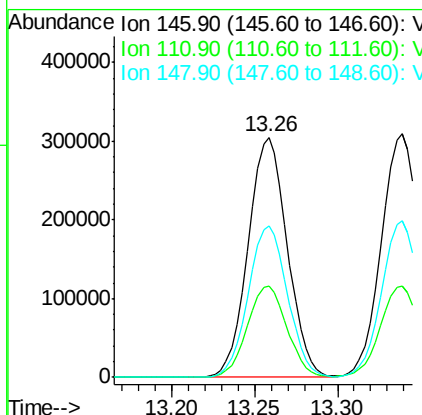
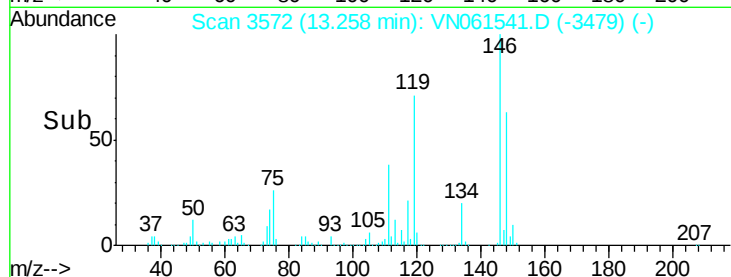
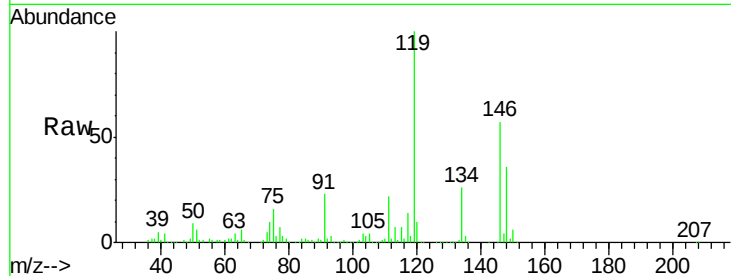
#87
 1,3-Dichlorobenzene
 Concen: 50.025 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.2	57.6
148	63.4	31.7	95.1

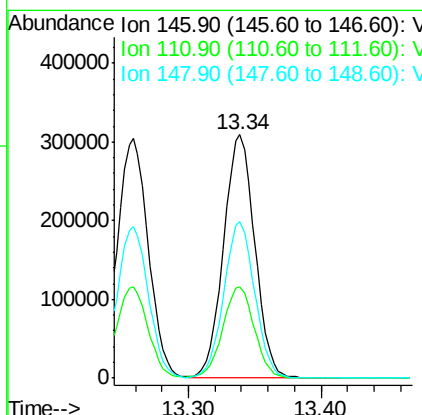
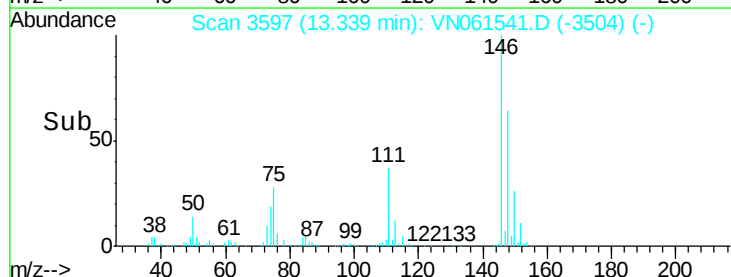
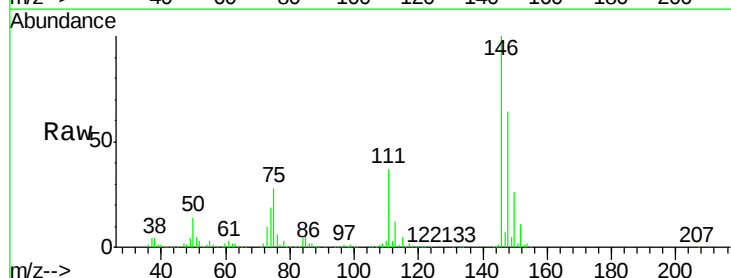
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#88
 1,4-Dichlorobenzene
 Concen: 50.427 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	63.5	31.8	95.3





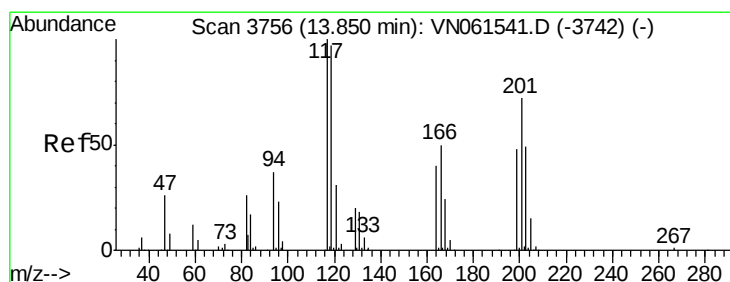
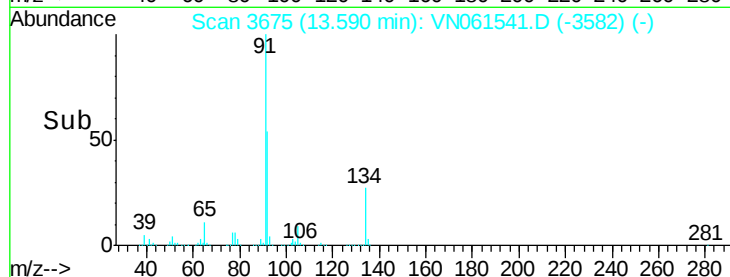
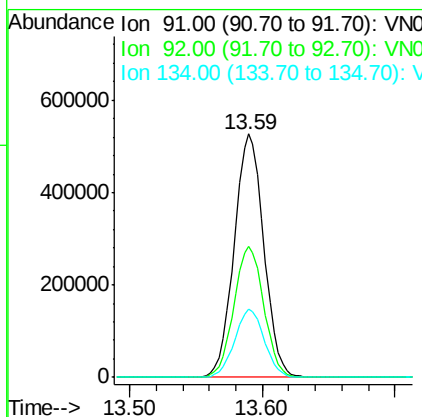
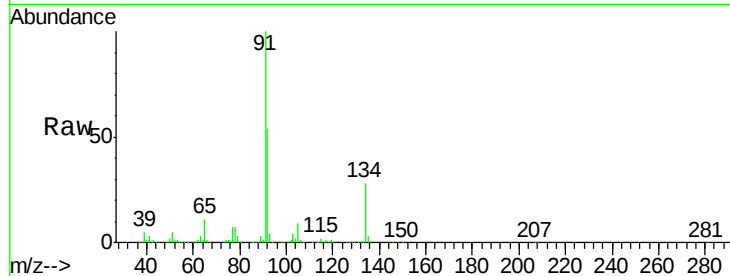
#89
n-Butylbenzene
Concen: 43.517 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	28.0	14.0	42.0

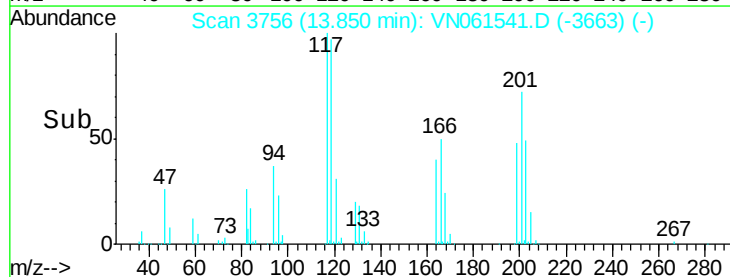
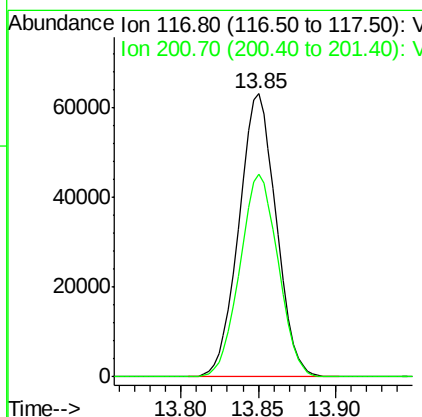
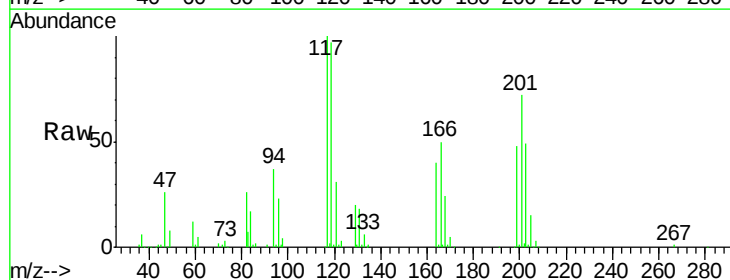
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#90
Hexachloroethane
Concen: 38.817 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061541.D
Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.4	36.7	110.1





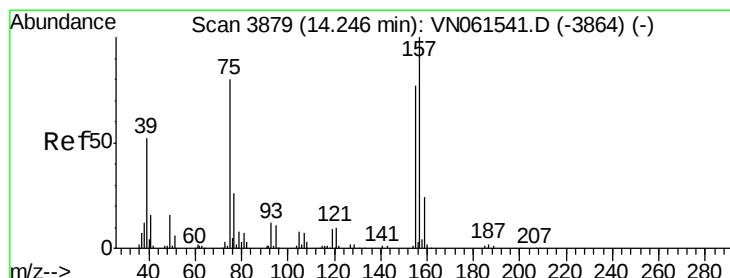
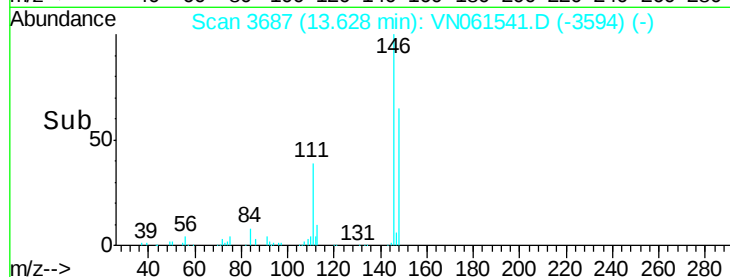
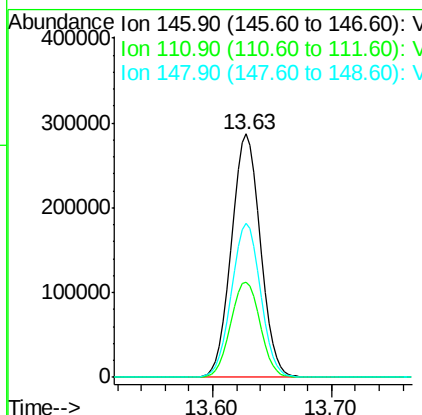
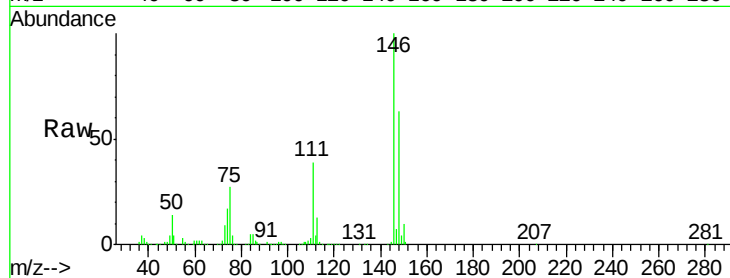
#91
 1,2-Dichlorobenzene
 Concen: 50.525 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	484829		
111	40.1		20.1	60.2
148	63.7		31.9	95.5

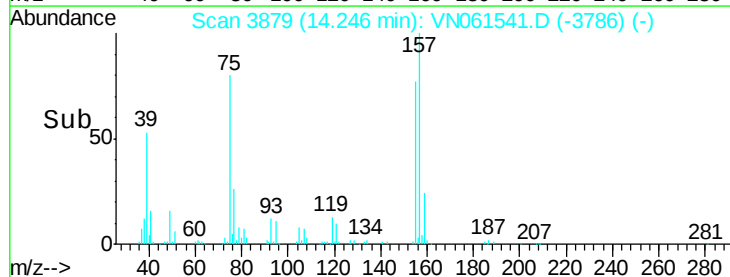
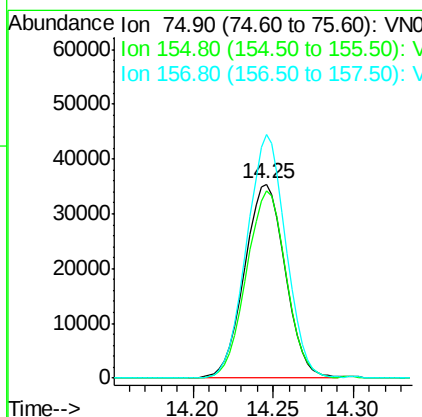
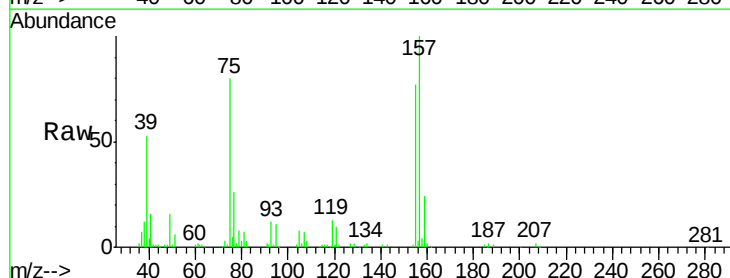
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.875 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61702		
155	94.3		47.1	141.4
157	120.5		60.3	180.8





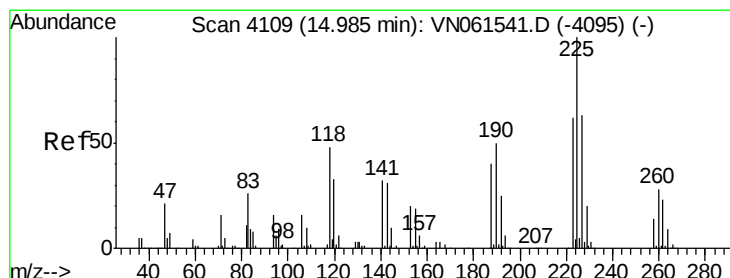
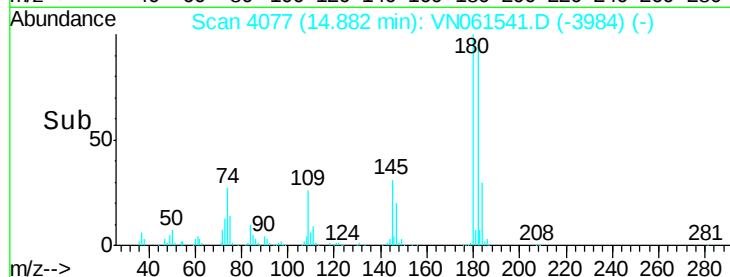
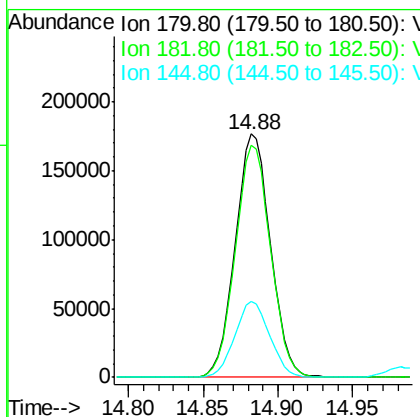
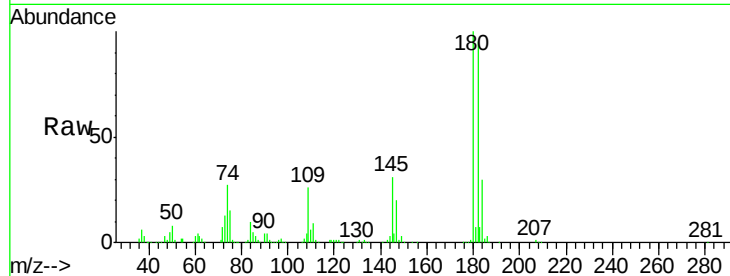
#93
 1,2,4-Trichlorobenzene
 Concen: 55.116 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	289449		
182	95.5	47.8	143.3	
145	31.0	15.5	46.5	

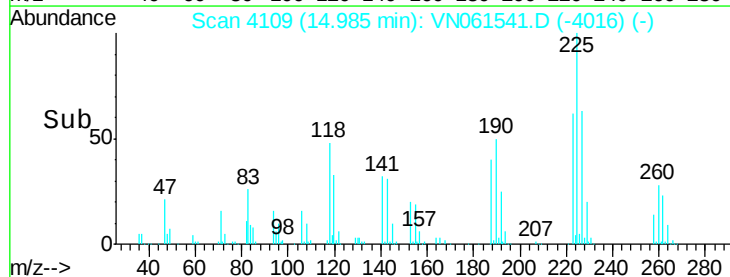
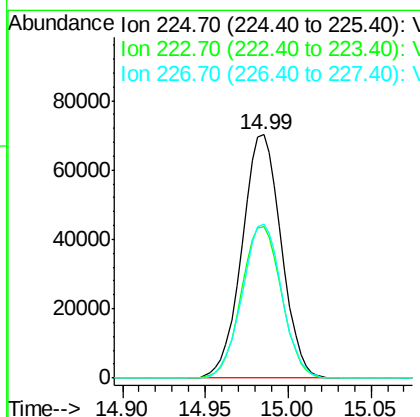
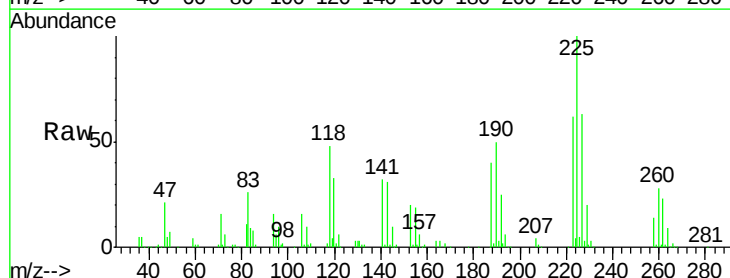
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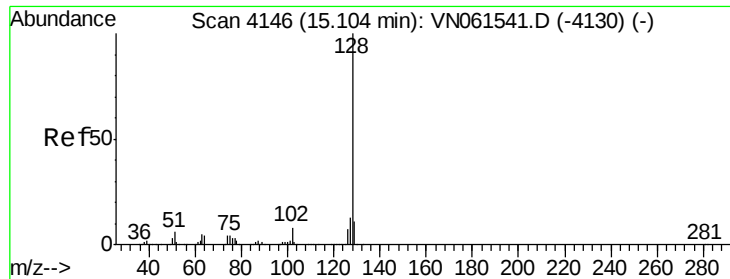
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#94
 Hexachlorobutadiene
 Concen: 49.952 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061541.D
 Acq: 28 May 2020 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115431		
223	63.7	31.9	95.5	
227	63.9	31.9	95.9	





#95

Naphthalene

Concen: 55.200 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Instrument :

MSVOA_N

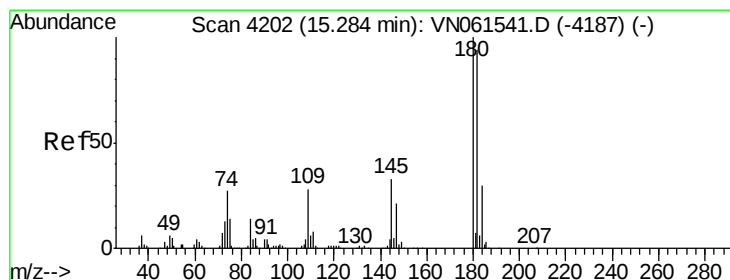
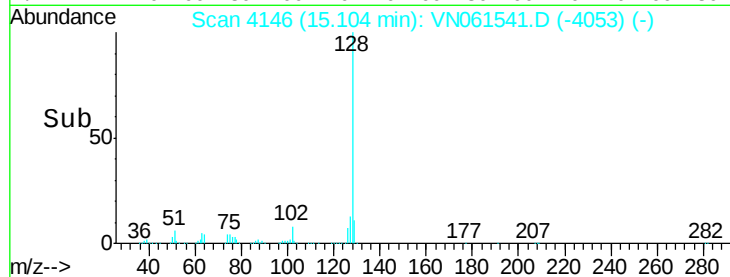
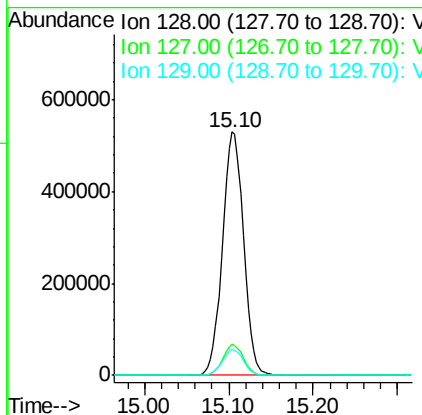
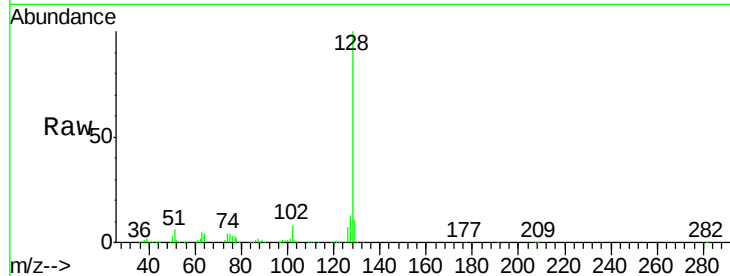
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	918690
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.0	15.0
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
5/29/2020 5:46:50 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.607 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061541.D

Acq: 28 May 2020 18:55

Tgt Ion:	180	Resp:	286447
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.1	141.3
145	32.6	16.3	48.9

