

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062568.D
 Acq On : 21 Jul 2020 12:45
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 7/22/2020 2:45:38 PM

Quant Time: Jul 21 13:25:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 13:13:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	215563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	354489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	336505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	164773	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	7.55	113	116760	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.06	98	461305	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.38	95	170901	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	122081	54.894	ug/l	100
3) Chloromethane	2.03	50	164346	47.101	ug/l	100
4) Vinyl Chloride	2.16	62	147631	51.103	ug/l	100
5) Bromomethane	2.52	94	63384	42.506	ug/l	100
6) Chloroethane	2.66	64	68505	42.299	ug/l	100
7) Trichlorofluoromethane	2.98	101	178104	48.943	ug/l	100
8) Diethyl Ether	3.37	74	83402	51.007	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	110319	50.889	ug/l	100
10) Methyl Iodide	3.91	142	146975	51.635	ug/l	100
11) Tert butyl alcohol	4.73	59	129631	238.379	ug/l	100
12) 1,1-Dichloroethene	3.69	96	113434	51.277	ug/l	100
13) Acrolein	3.57	56	140835	326.783	ug/l	100
14) Allyl chloride	4.27	41	250287	48.698	ug/l	100
15) Acrylonitrile	4.93	53	368532	257.782	ug/l	100
16) Acetone	3.77	43	307133	221.986	ug/l	100
17) Carbon Disulfide	4.01	76	359421	51.528	ug/l	100
18) Methyl Acetate	4.28	43	156940	45.489	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	430776	51.389	ug/l	100
20) Methylene Chloride	4.50	84	142729	47.412	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	125649	52.443	ug/l	100
22) Diisopropyl ether	5.90	45	502431	49.466	ug/l	100
23) Vinyl Acetate	5.84	43	2135789	253.832	ug/l	100
24) 1,1-Dichloroethane	5.80	63	264719	50.128	ug/l	100
25) 2-Butanone	6.79	43	492306	243.364	ug/l	100
26) 2,2-Dichloropropane	6.77	77	211529	51.673	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	144911	52.178	ug/l	100
28) Bromochloromethane	7.15	49	133991	47.039	ug/l	100
29) Tetrahydrofuran	7.17	42	335383	245.709	ug/l	100
30) Chloroform	7.33	83	249524	52.019	ug/l	100
31) Cyclohexane	7.61	56	234112	46.967	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	210283	52.557	ug/l	100
36) 1,1-Dichloropropene	7.75	75	189008	52.967	ug/l	100
37) Ethyl Acetate	6.88	43	209853	50.576	ug/l	100
38) Carbon Tetrachloride	7.73	117	185721	56.968	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	205800	54.052	ug/l	100
40) Benzene	8.00	78	572548	54.109	ug/l	100
41) Methacrylonitrile	7.12	41	84581	49.732	ug/l	100
42) 1,2-Dichloroethane	8.09	62	211261	54.530	ug/l	100
43) Isopropyl Acetate	8.13	43	344266	52.503	ug/l	100
44) Trichloroethene	8.80	130	129339	54.889	ug/l	100
45) 1,2-Dichloropropane	9.09	63	161303	52.830	ug/l	100
46) Dibromomethane	9.18	93	94403	54.430	ug/l	100
47) Bromodichloromethane	9.37	83	201936	54.595	ug/l	100
48) Methyl methacrylate	9.17	41	163159	50.967	ug/l	100
49) 1,4-Dioxane	9.17	88	50365	1068.254	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1042941	266.753	ug/l	100
52) Toluene	10.12	92	342646	55.784	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	233028	56.067	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	250305	54.705	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	132040	55.067	ug/l	100
56) Ethyl methacrylate	10.40	69	225796	56.531	ug/l	100
57) 1,3-Dichloropropane	10.68	76	242908	54.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	323297	234.830	ug/l	100
59) 2-Hexanone	10.72	43	765309	269.367	ug/l	100
60) Dibromochloromethane	10.87	129	150556	57.365	ug/l	100
61) 1,2-Dibromoethane	10.98	107	137827	56.497	ug/l	100
64) Tetrachloroethene	10.60	164	106573	53.029	ug/l	100
65) Chlorobenzene	11.41	112	353423	53.868	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	131969	54.555	ug/l	100
67) Ethyl Benzene	11.48	91	658930	53.708	ug/l	100
68) m/p-Xylenes	11.60	106	479968	110.031	ug/l	100
69) o-Xylene	11.92	106	228215	53.866	ug/l	100
70) Styrene	11.94	104	396135	56.518	ug/l	100
71) Bromoform	12.10	173	103068	57.898	ug/l #	100
73) Isopropylbenzene	12.22	105	617216	50.843	ug/l	100
74) N-amyl acetate	12.05	43	303353	51.998	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	207178	50.801	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	197898m	50.841	ug/l	
77) Bromobenzene	12.50	156	143200	51.678	ug/l	100
78) n-propylbenzene	12.57	91	733028	51.805	ug/l	100
79) 2-Chlorotoluene	12.65	91	442442	51.364	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	531804	53.182	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	72219	50.482	ug/l	100
82) 4-Chlorotoluene	12.75	91	458062	52.319	ug/l	100
83) tert-Butylbenzene	12.97	119	438804	51.904	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	519145	52.387	ug/l	100
85) sec-Butylbenzene	13.15	105	580823	51.944	ug/l	100
86) p-Isopropyltoluene	13.26	119	511833	53.044	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	255466	53.457	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	254273	51.807	ug/l	100
89) n-Butylbenzene	13.59	91	431642	50.899	ug/l	100
90) Hexachloroethane	13.85	117	99586	52.316	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	250739	54.167	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	39115	52.676	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	121445	58.451	ug/l	100
94) Hexachlorobutadiene	14.98	225	69100	55.687	ug/l	100
95) Naphthalene	15.10	128	318974	54.832	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	120709	55.836	ug/l	100

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

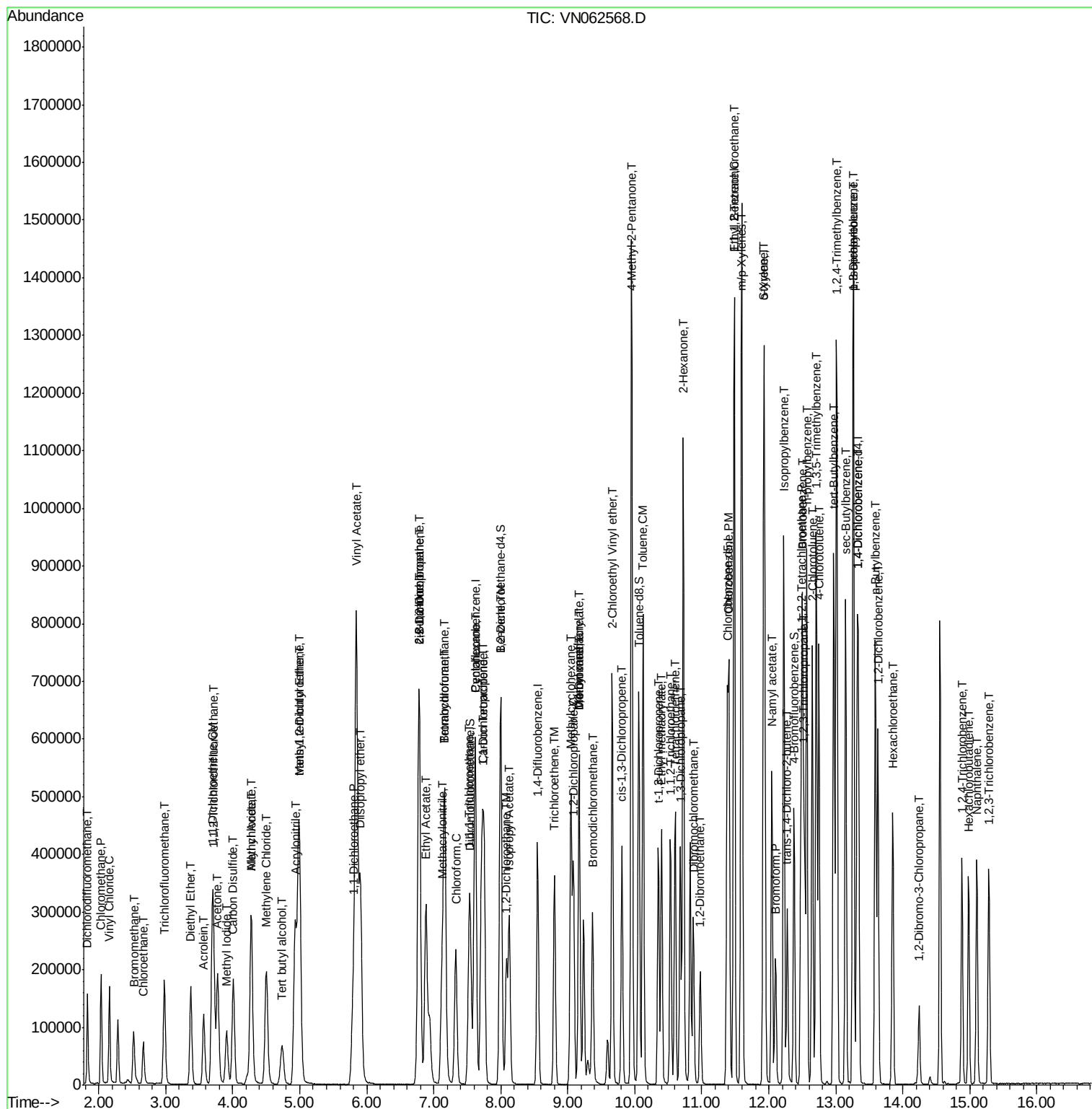
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072120\
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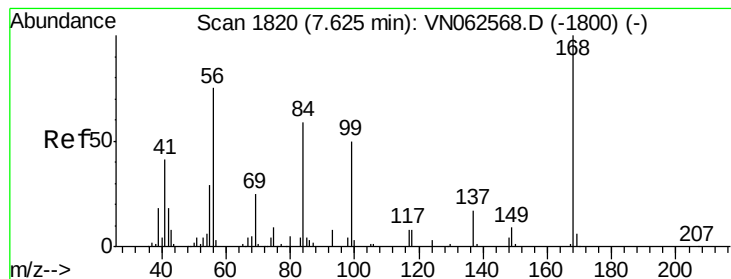
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 215563

Ion Ratio Lower Upper

168 100

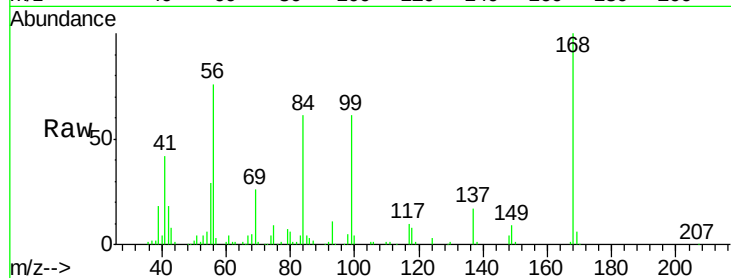
99 60.5 48.4 72.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

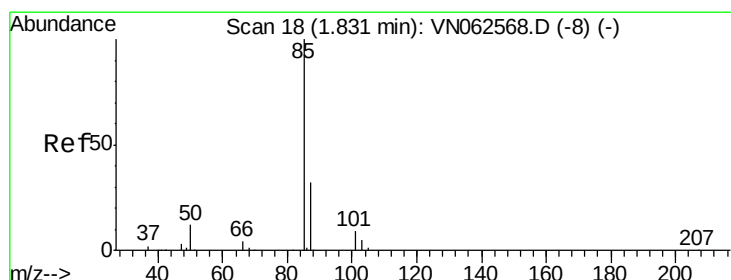
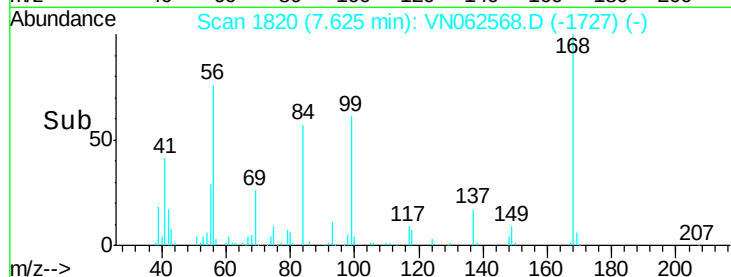
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 54.894 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062568.D

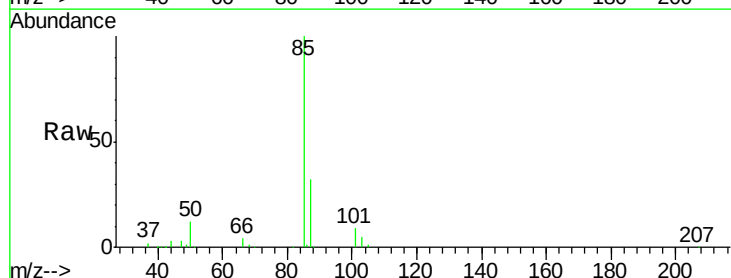
Acq: 21 Jul 2020 12:45

Tgt Ion: 85 Resp: 122081

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

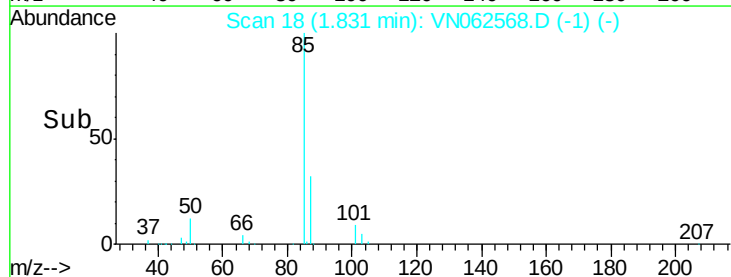
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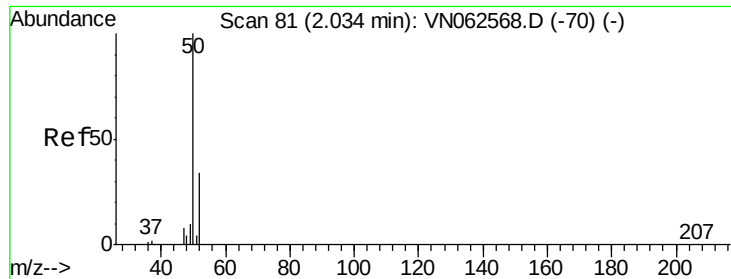
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 47.101 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 50 Resp: 164346

Ion Ratio Lower Upper

50 100

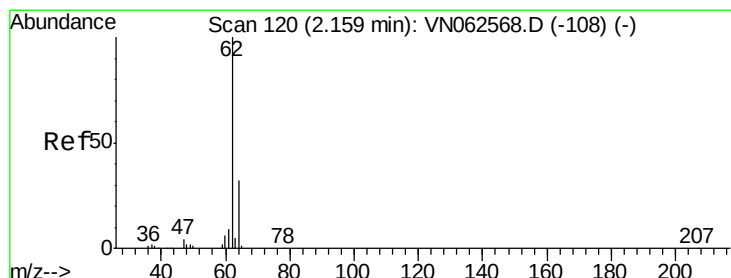
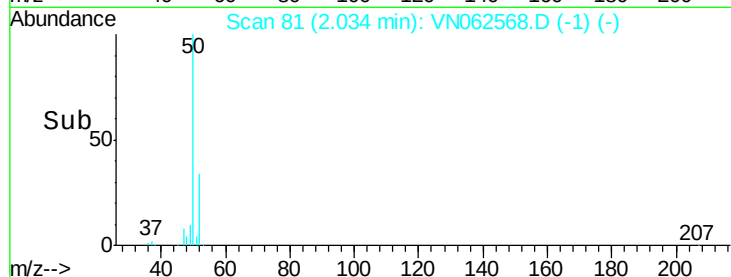
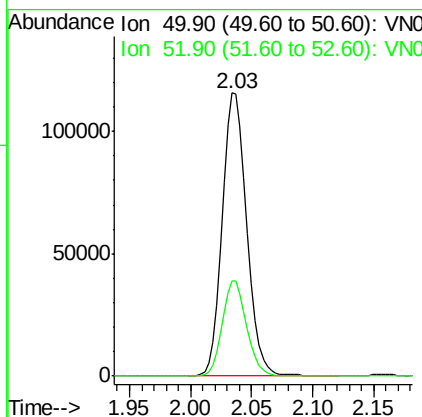
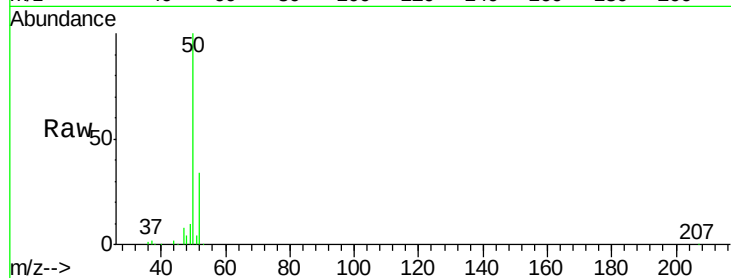
52 33.7 27.0 40.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.103 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062568.D

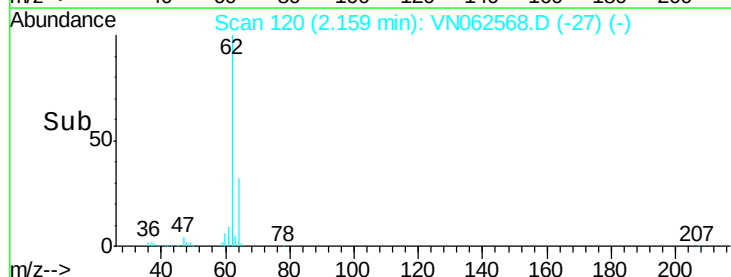
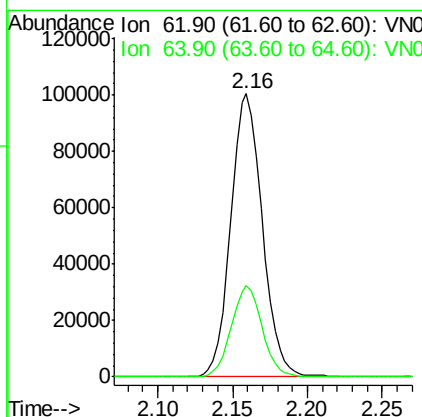
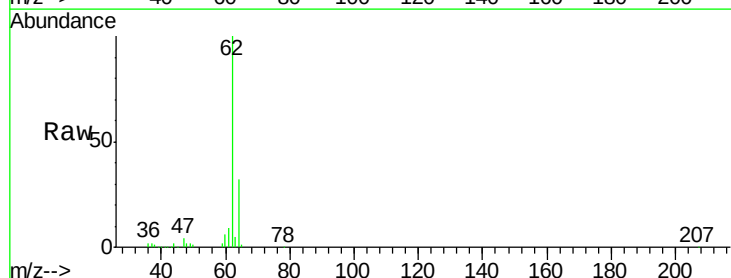
Acq: 21 Jul 2020 12:45

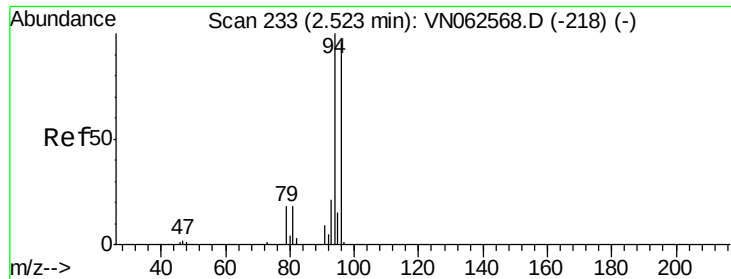
Tgt Ion: 62 Resp: 147631

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 42.506 ug/l

RT: 2.52 min Scan# 233

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 63384

Ion Ratio Lower Upper

94 100

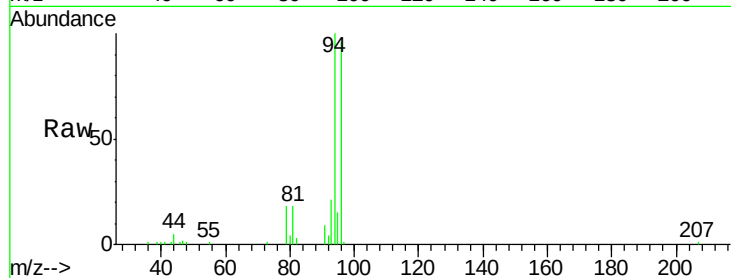
96 95.7 76.6 114.8

Manual Integrations

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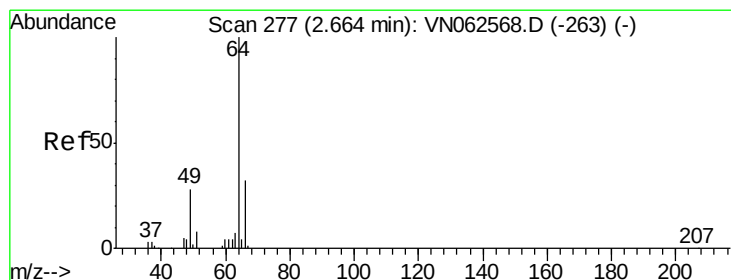
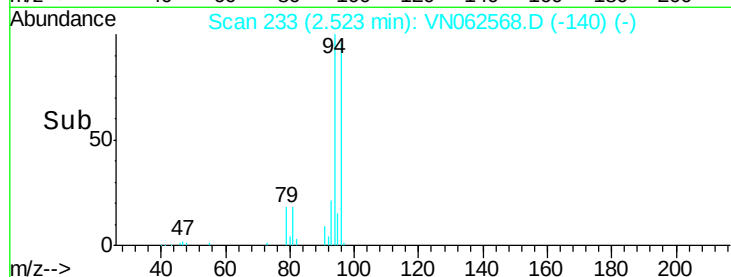
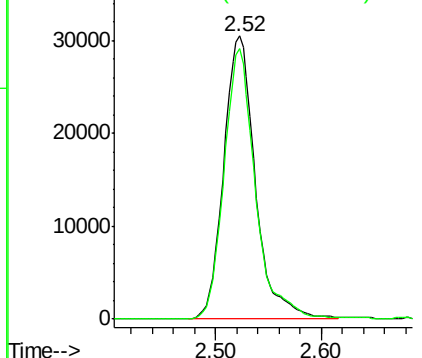
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.299 ug/l

RT: 2.66 min Scan# 277

Delta R.T. 0.00 min

Lab File: VN062568.D

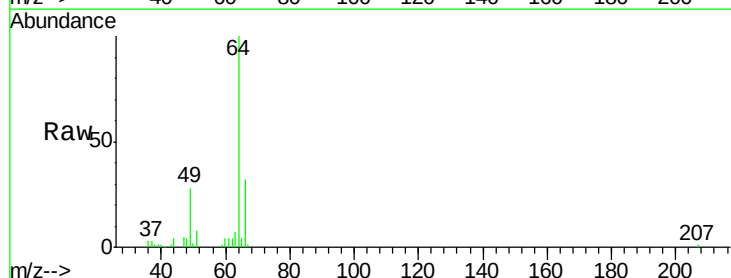
Acq: 21 Jul 2020 12:45

Tgt Ion: 64 Resp: 68505

Ion Ratio Lower Upper

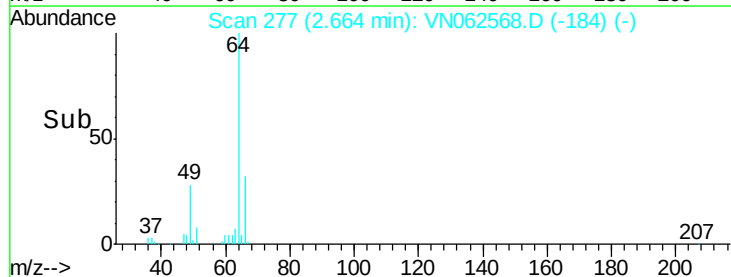
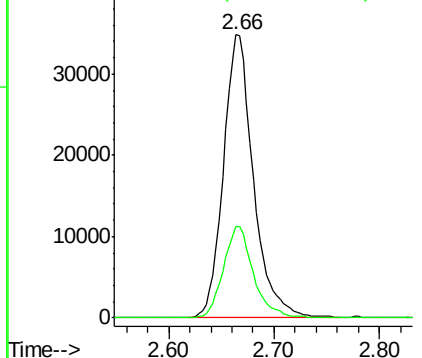
64 100

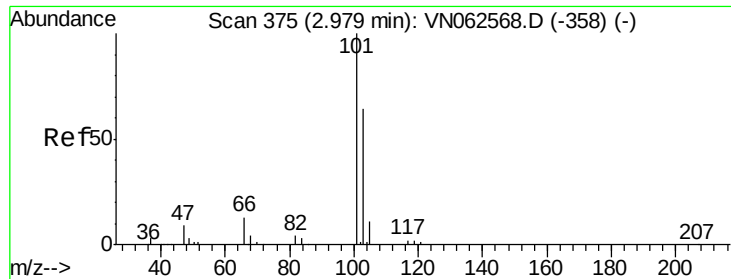
66 32.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

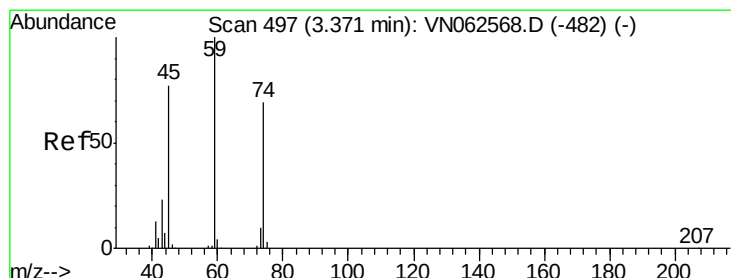
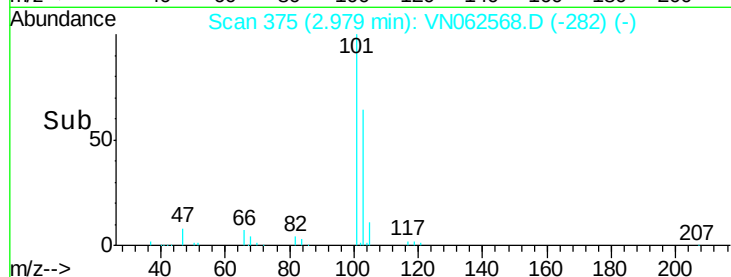
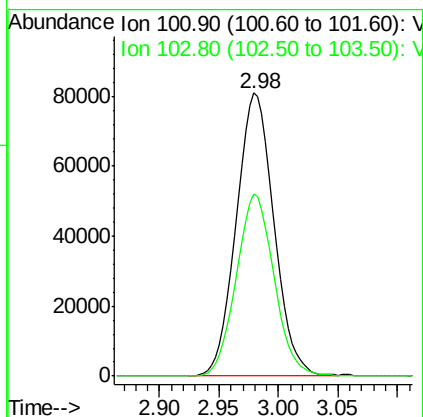
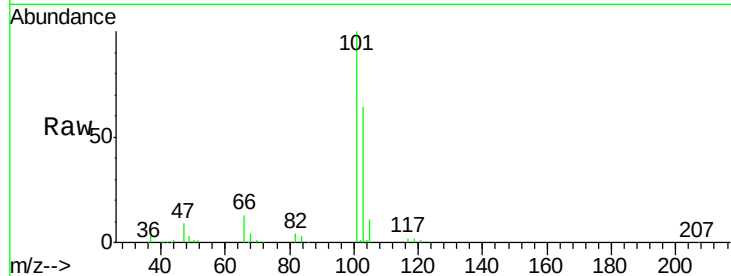
Trichlorofluoromethane
Concen: 48.943 ug/l
RT: 2.98 min Scan# 375
Delta R.T. 0.00 min
Lab File: VN062568.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.5	77.3

Manual Integrations
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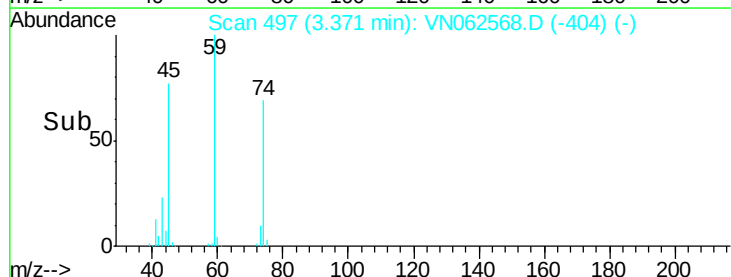
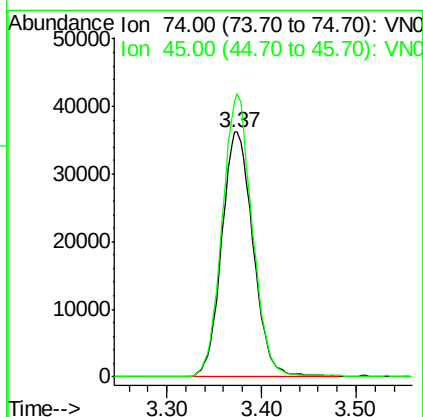
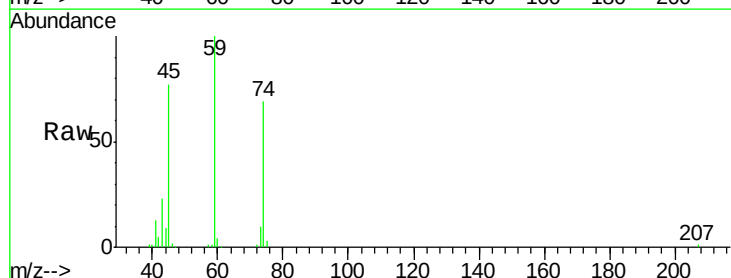
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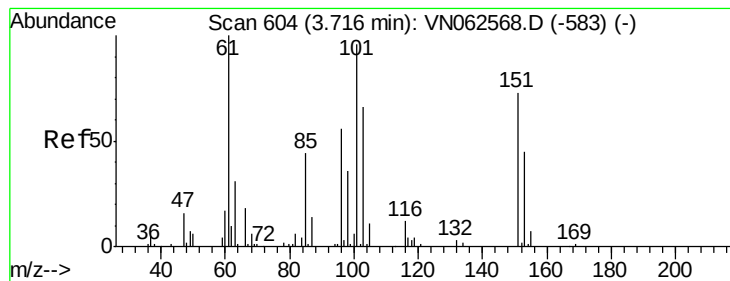


#8

Diethyl Ether
Concen: 51.007 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN062568.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.5	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.889 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

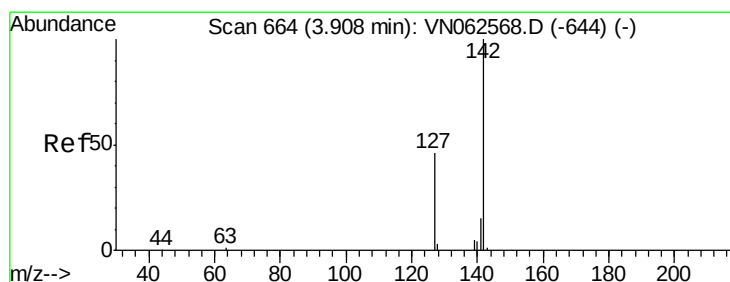
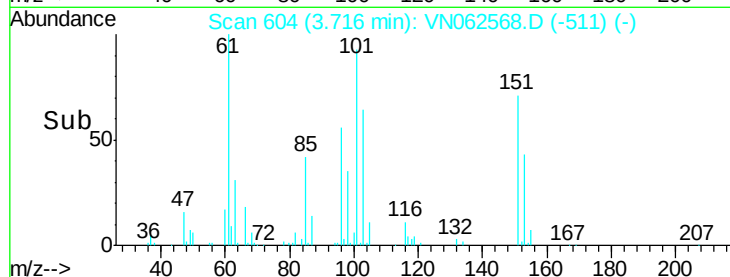
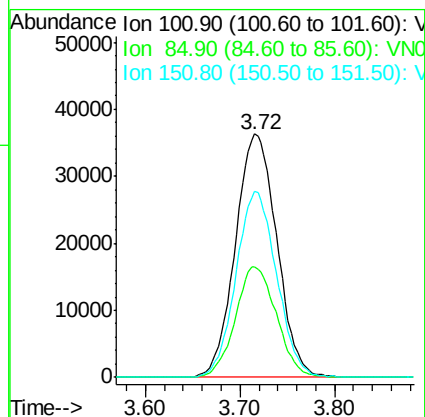
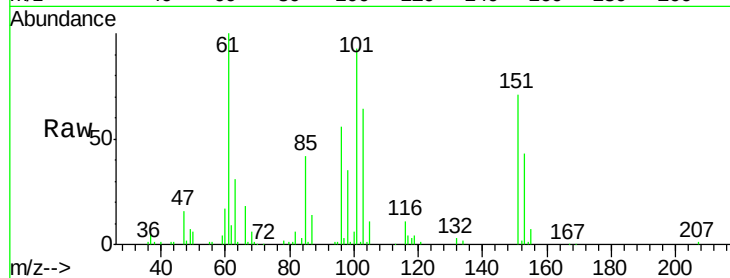
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	110319
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	75.0	60.0	90.0

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#10

Methyl Iodide

Concen: 51.635 ug/l

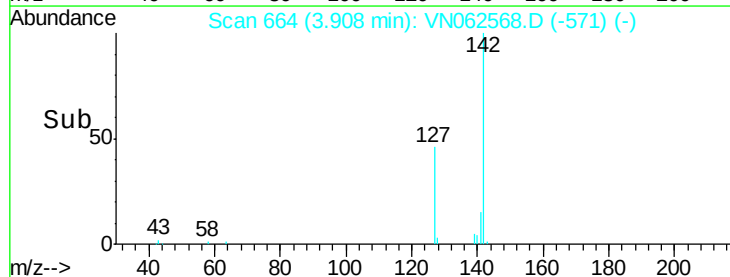
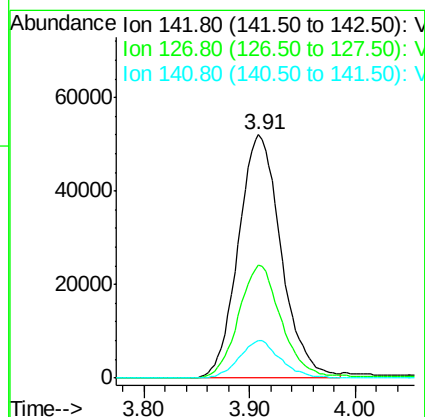
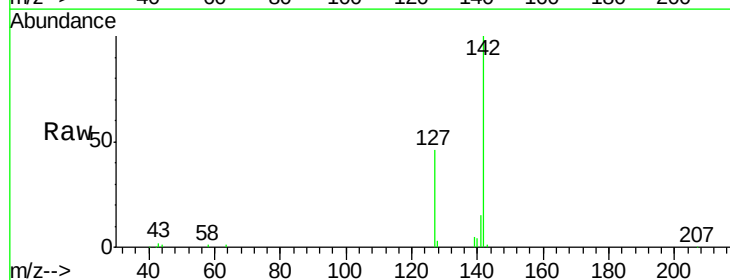
RT: 3.91 min Scan# 664

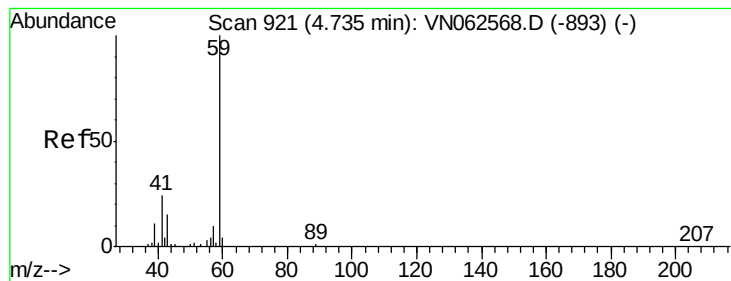
Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion:	142	Resp:	146975
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.4	56.0
141	14.9	11.9	17.9





#11

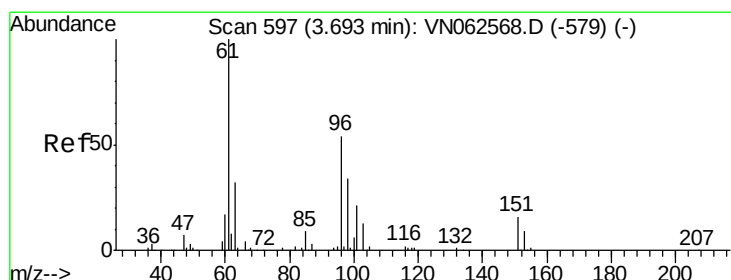
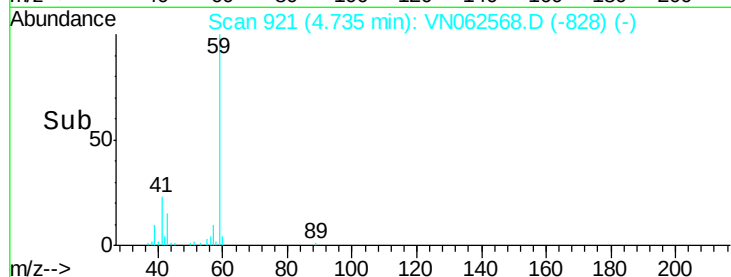
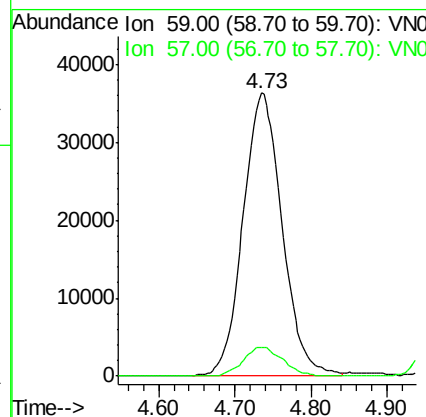
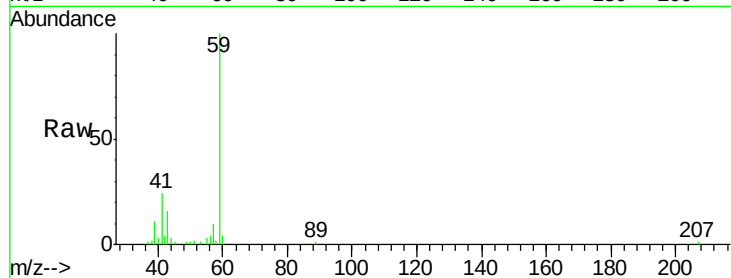
Tert butyl alcohol
 Concen: 238.379 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	129631
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

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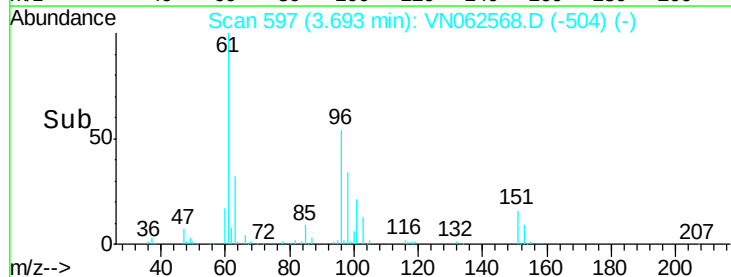
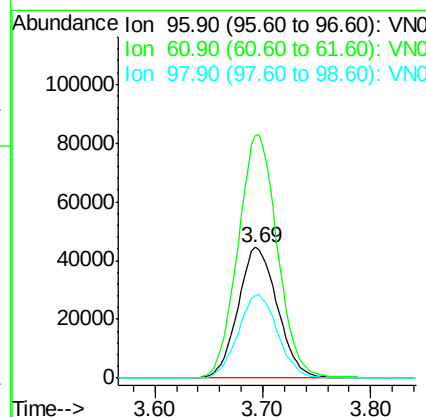
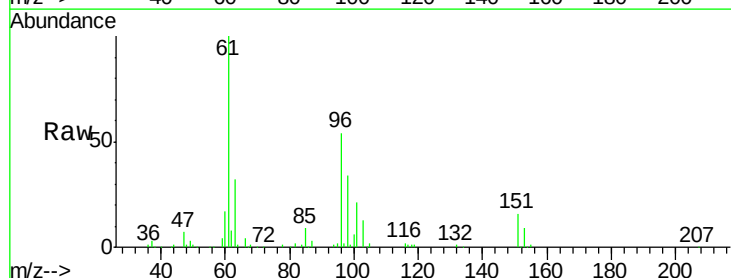
MMDadoda
 7/22/2020 2:45:38 PM

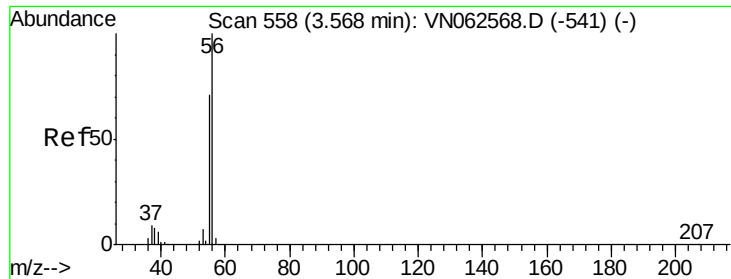


#12

1,1-Dichloroethene
 Concen: 51.277 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	96	Resp	113434
Ion Ratio	100	Lower	Upper
61	185.7	148.6	222.8
98	63.2	50.6	75.8





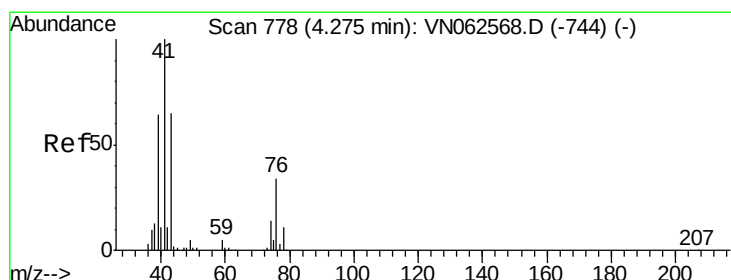
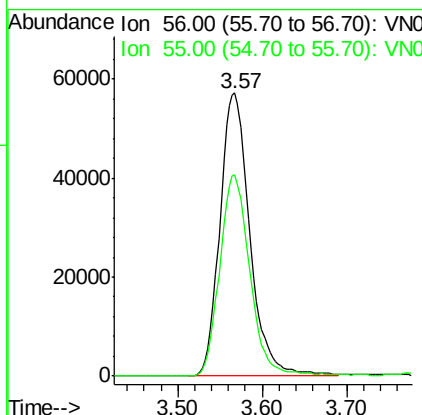
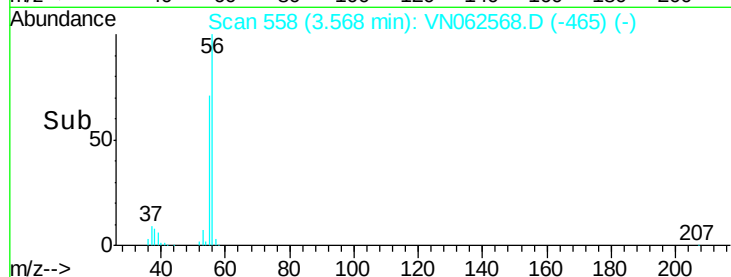
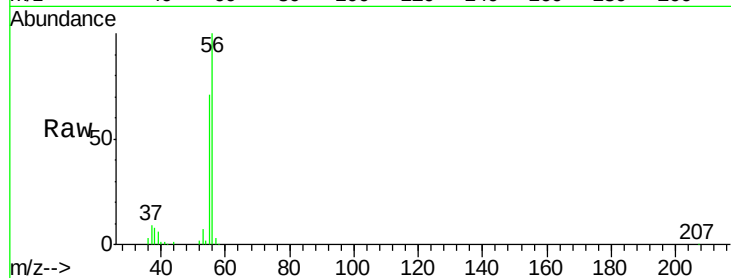
#13
Acrolein
Concen: 326.783 ug/l
RT: 3.57 min Scan# 558
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	57.0	85.4

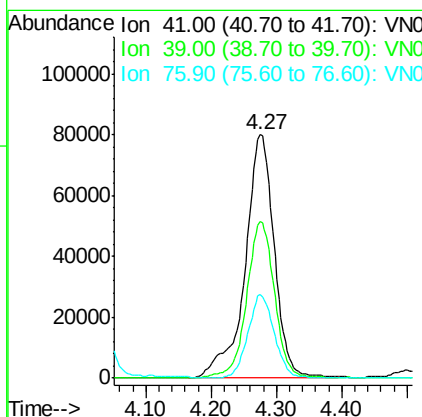
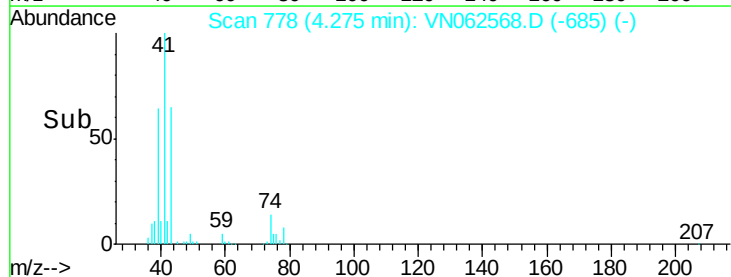
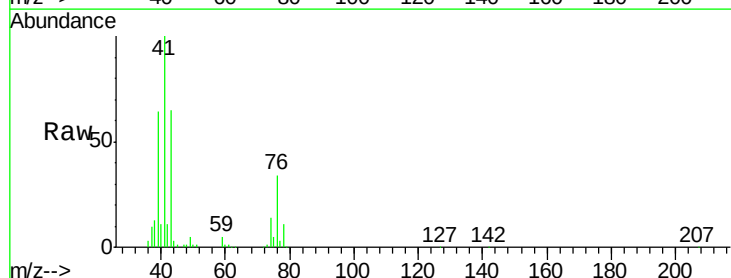
Manual Integrations
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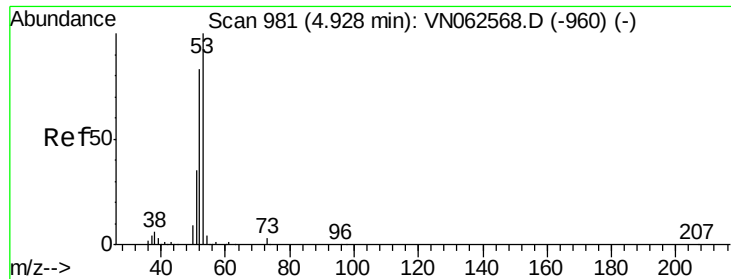
MMDadoda
7/22/2020 2:45:38 PM



#14
Allyl chloride
Concen: 48.698 ug/l
RT: 4.27 min Scan# 778
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.2	49.0	73.4
76	30.0	24.0	36.0





#15

Acrylonitrile

Concen: 257.782 ug/l

RT: 4.93 min Scan# 981

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

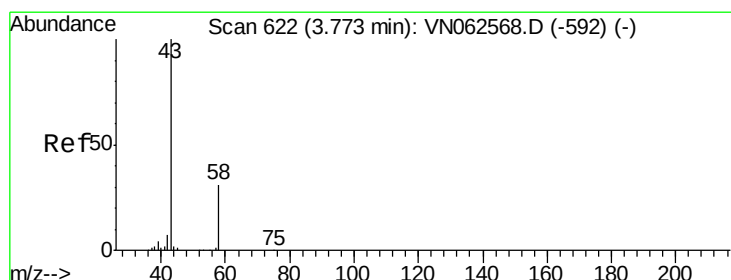
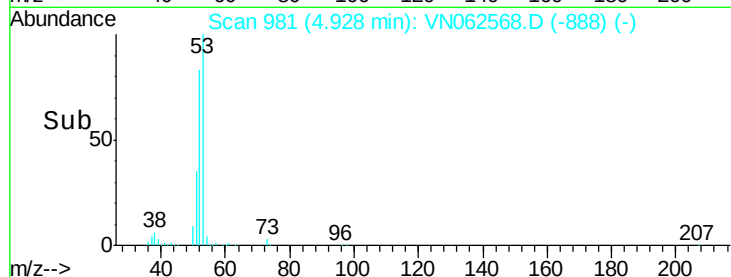
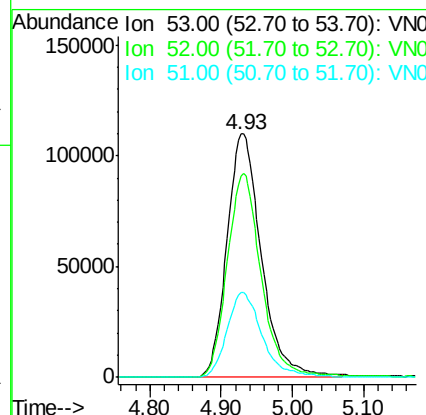
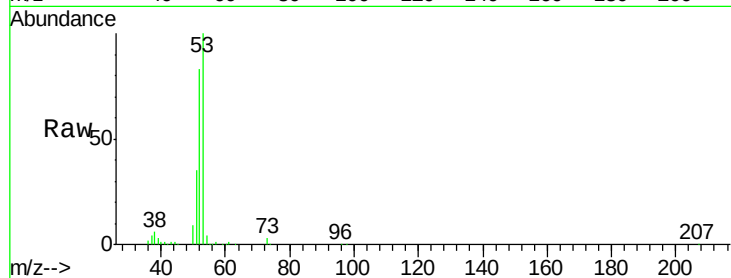
ClientSampled :

VSTDICCC050

Tot Ion:	53	Resp:	368532
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	35.8	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 221.986 ug/l

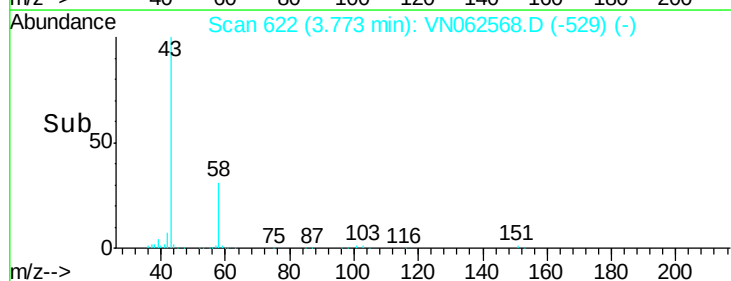
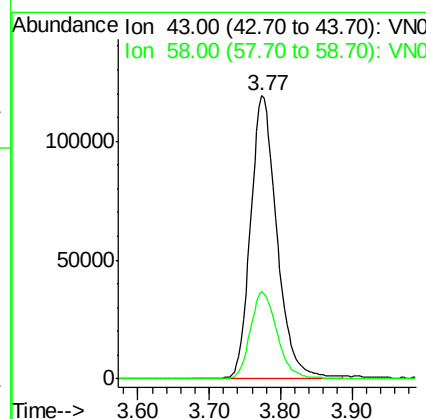
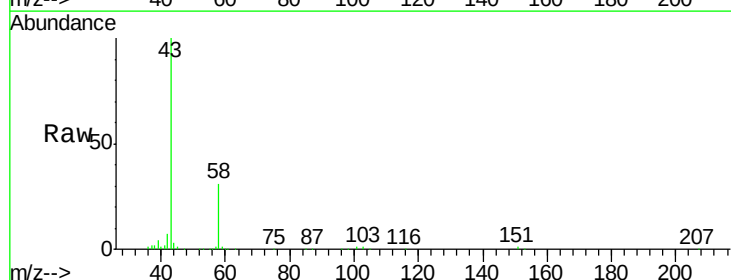
RT: 3.77 min Scan# 622

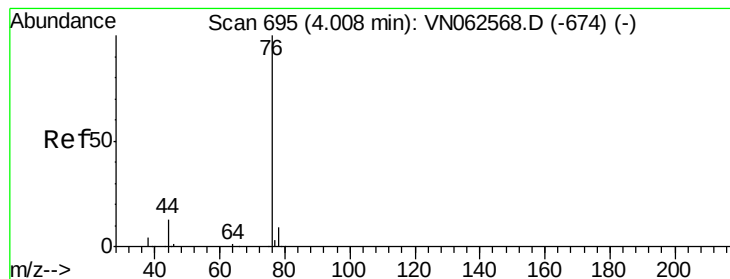
Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion:	43	Resp:	307133
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.6	37.0





#17

Carbon Disulfide

Concen: 51.528 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 359421

Ion Ratio Lower Upper

76 100

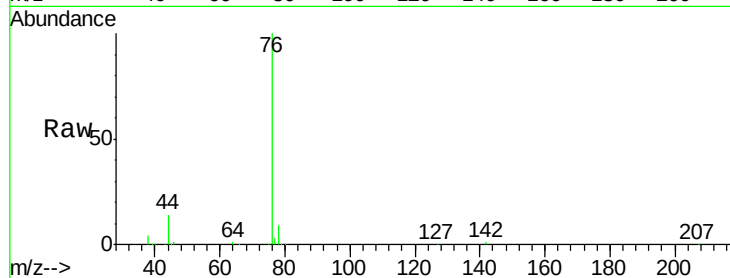
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062568.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062568.D (-674) (-)

4.01

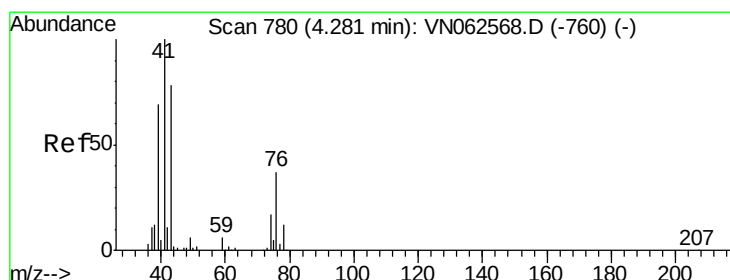
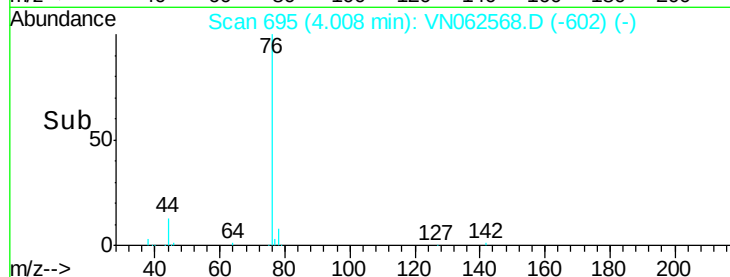
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 45.489 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062568.D

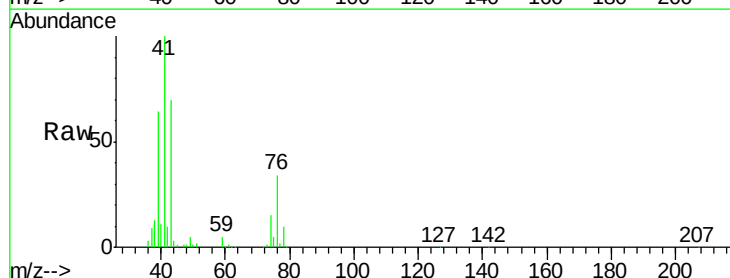
Acq: 21 Jul 2020 12:45

Tgt Ion: 43 Resp: 156940

Ion Ratio Lower Upper

43 100

74 20.7 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN062568.D (-760) (-)

4.28

60000

50000

40000

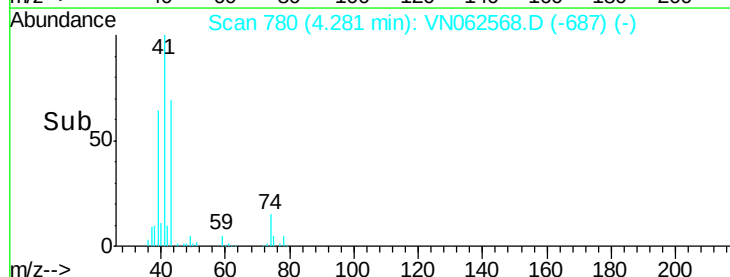
30000

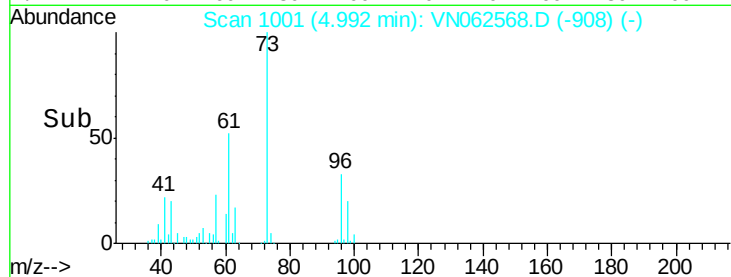
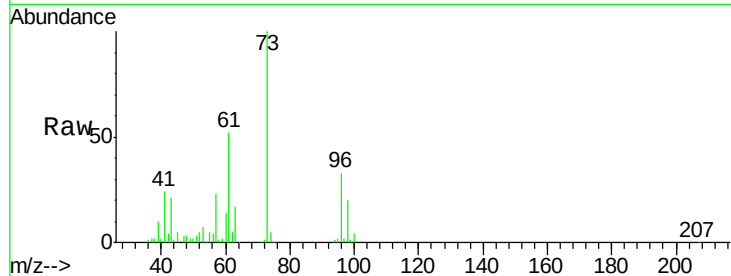
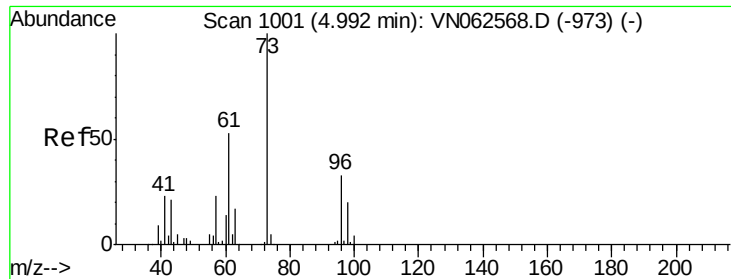
20000

10000

0

Time-->





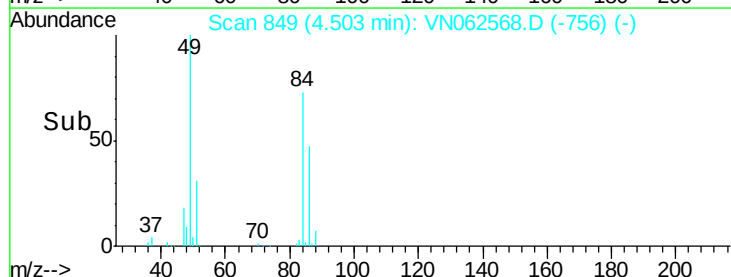
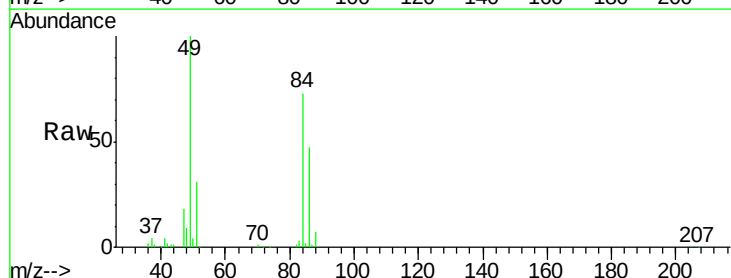
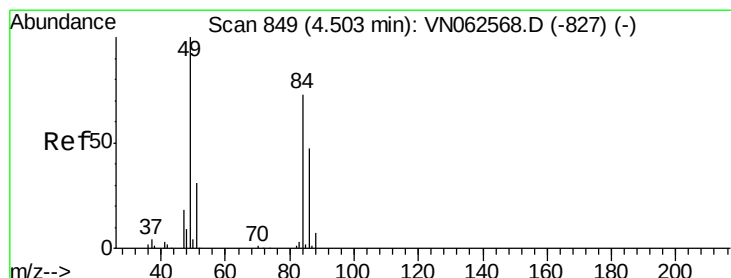
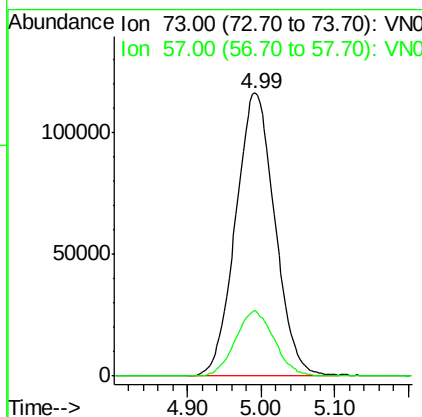
#19
Methyl tert-butyl Ether
Concen: 51.389 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tot Ion: 73 Resp: 430776
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

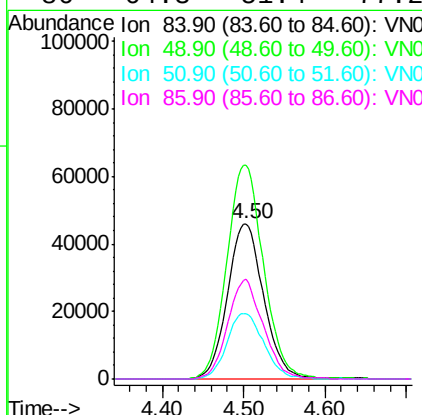
Manual Integrations
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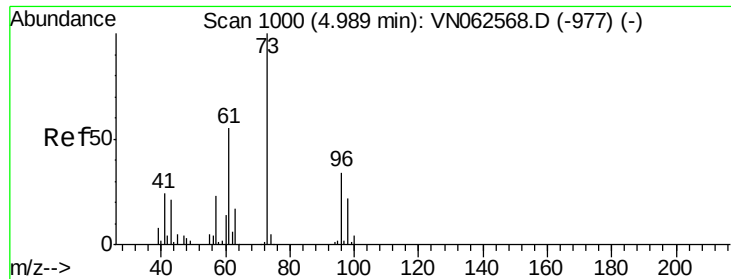
MMDadoda
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#20
Methylene Chloride
Concen: 47.412 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion: 84 Resp: 142729
Ion Ratio Lower Upper
84 100
49 136.7 109.4 164.0
51 42.0 33.6 50.4
86 64.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 52.443 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

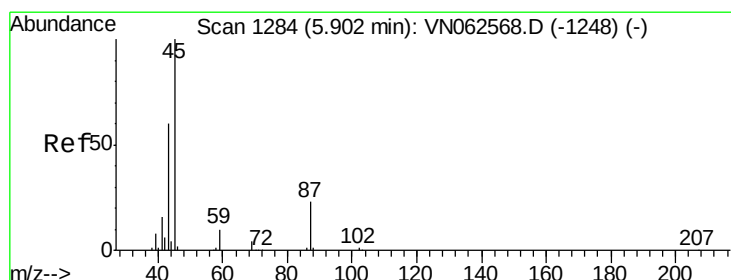
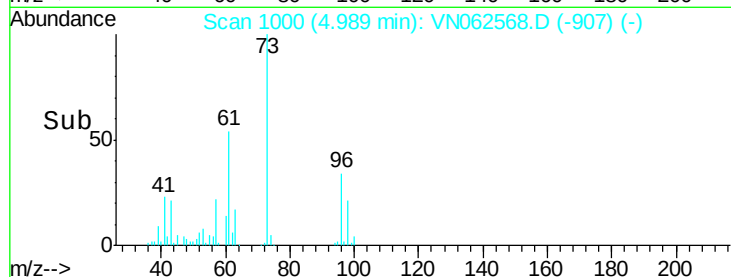
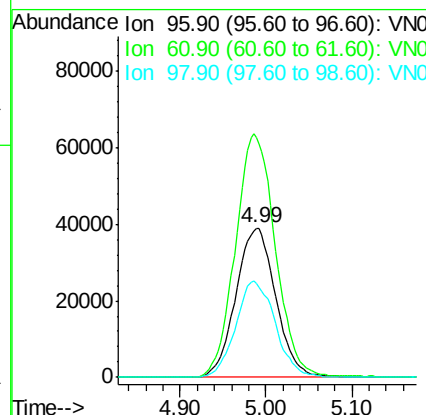
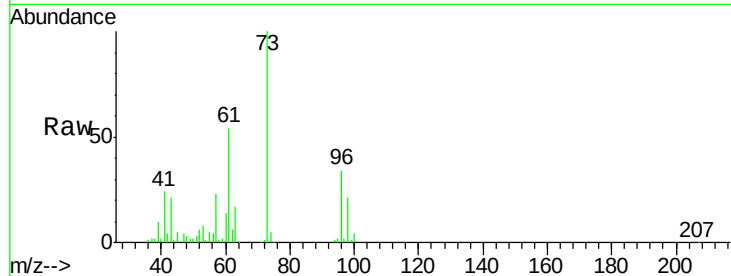
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	125649
Ion	Ratio	Lower	Upper
96	100		
61	160.7	128.6	192.8
98	63.3	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.466 ug/l

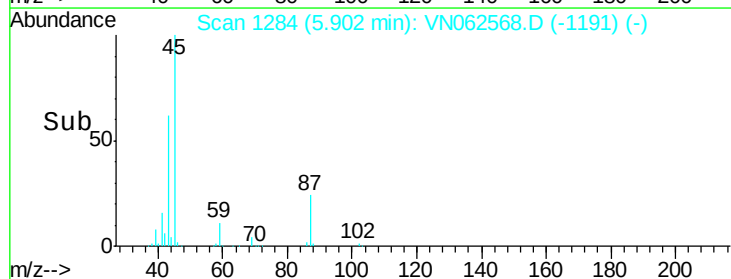
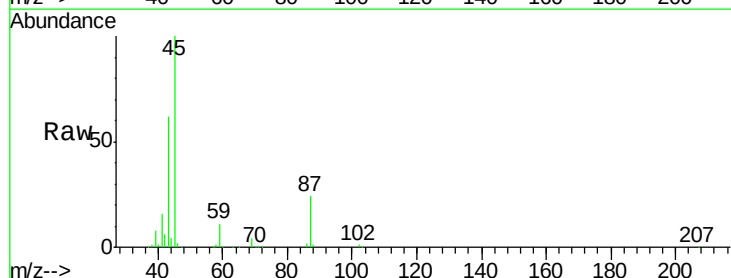
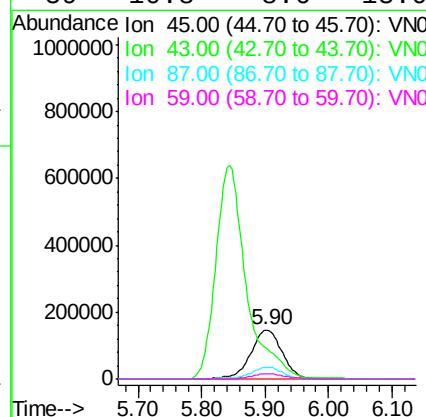
RT: 5.90 min Scan# 1284

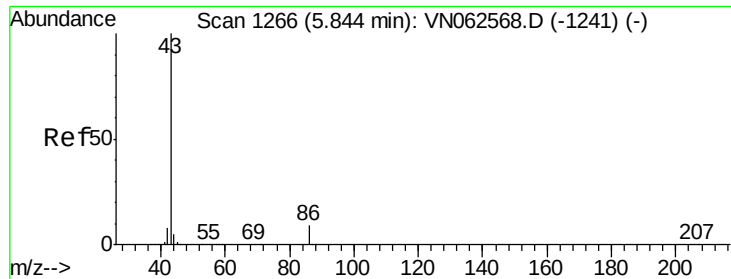
Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion:	45	Resp:	502431
Ion	Ratio	Lower	Upper
45	100		
43	60.9	48.7	73.1
87	23.8	19.0	28.6
59	10.8	8.6	13.0





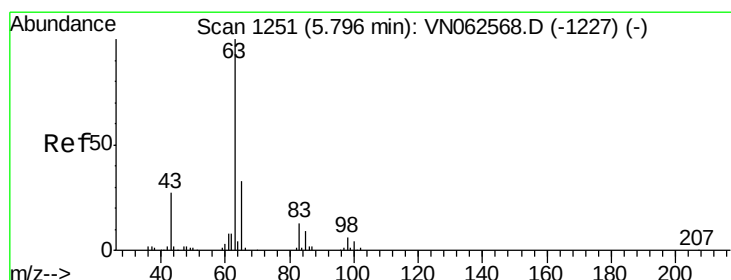
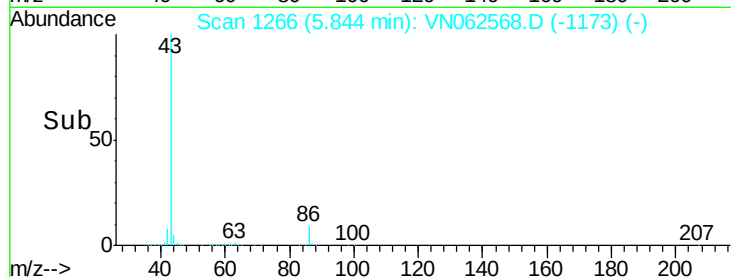
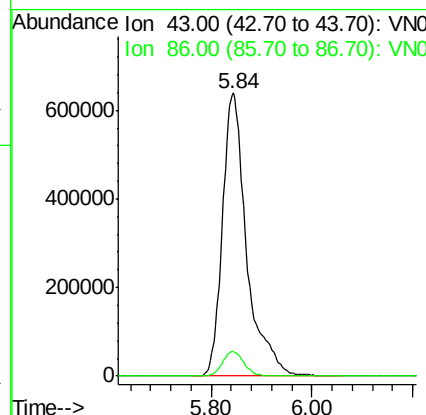
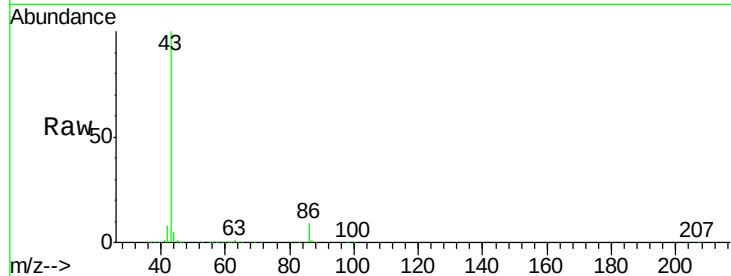
#23
 Vinyl Acetate
 Concen: 253.832 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2135789
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.9 10.3

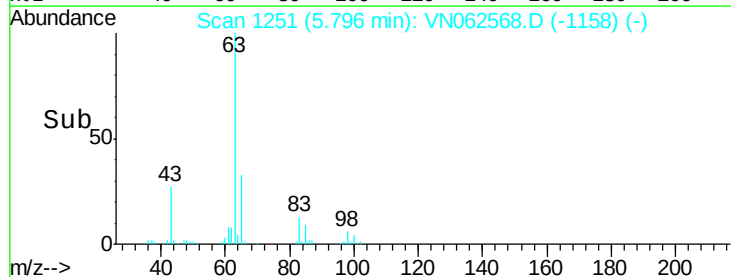
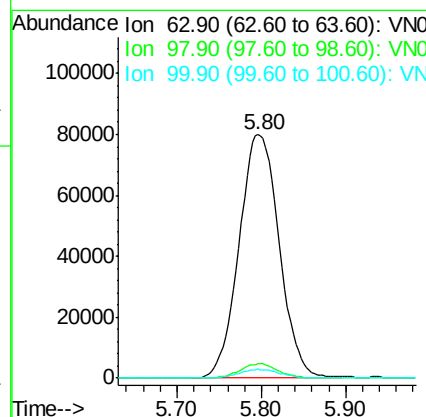
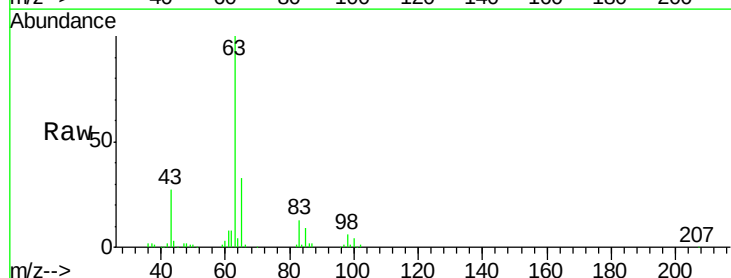
Manual Integrations
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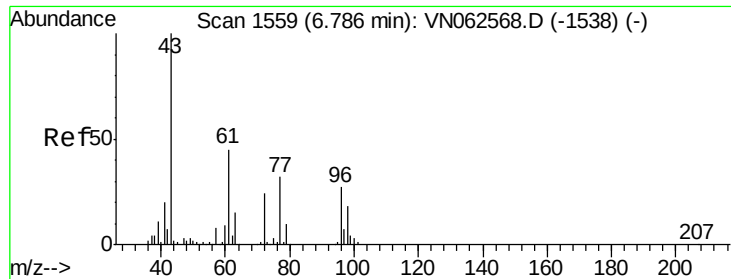
MMDadoda
 7/22/2020 2:45:38 PM



#24
 1,1-Dichloroethane
 Concen: 50.128 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion: 63 Resp: 264719
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 3.6 1.8 5.4





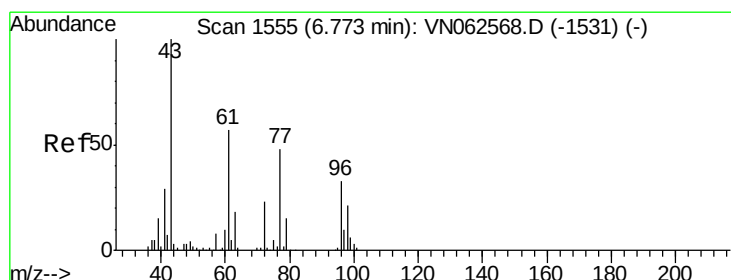
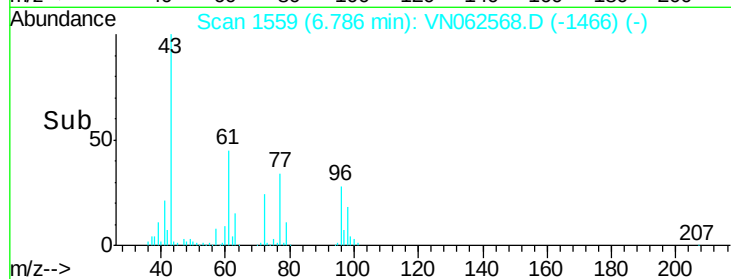
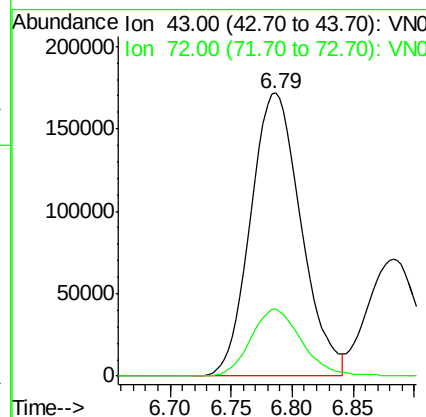
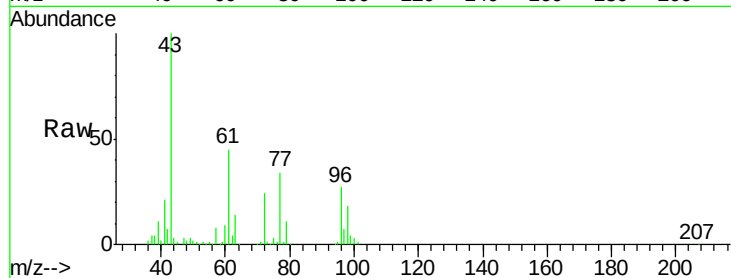
#25
2-Butanone
Concen: 243.364 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
72	23.8	19.0	28.6

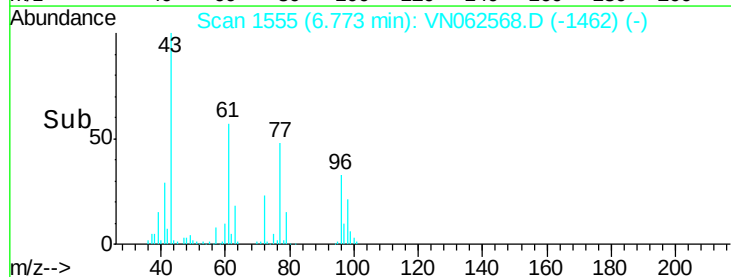
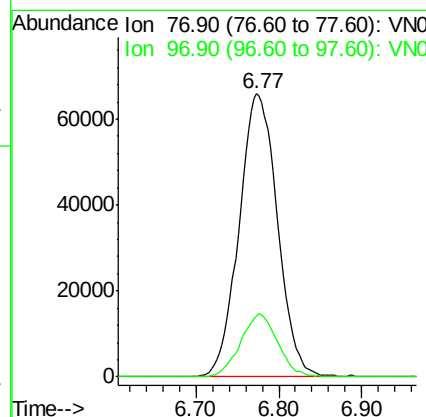
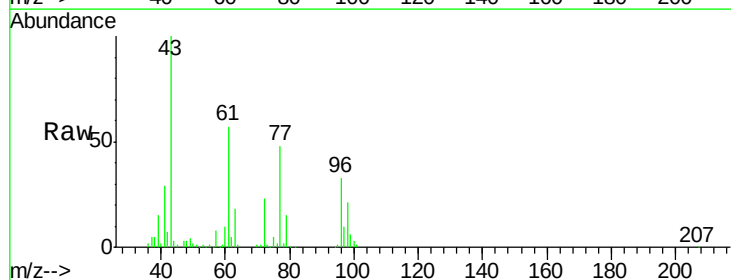
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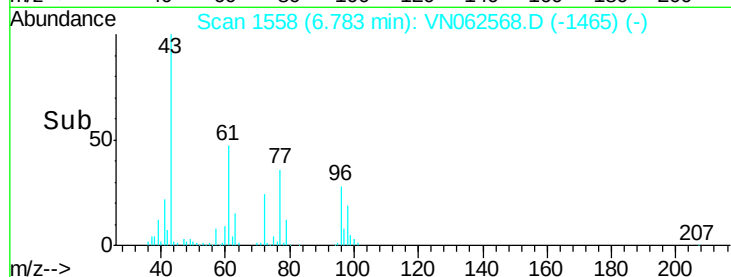
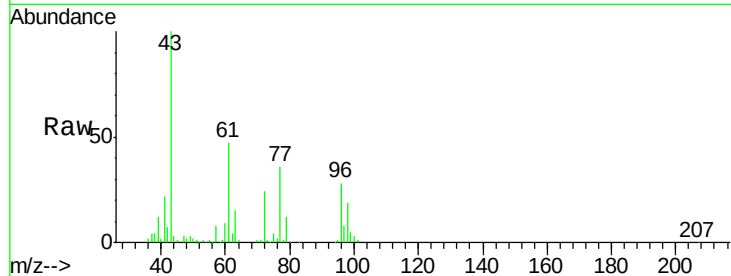
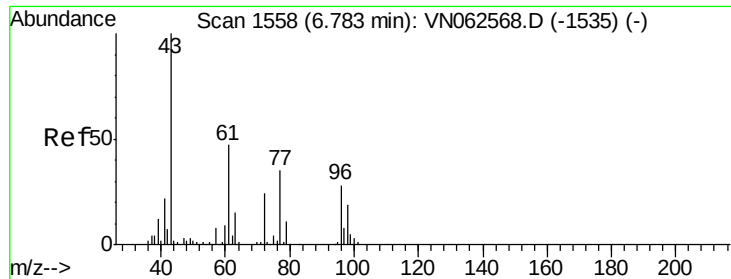
MMDadoda
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#26
2,2-Dichloropropane
Concen: 51.673 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
77	100		
97	21.6	10.8	32.4





#27

cis-1,2-Dichloroethene

Concen: 52.178 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN062568.D

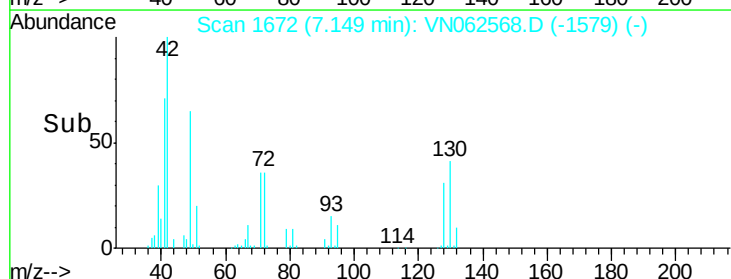
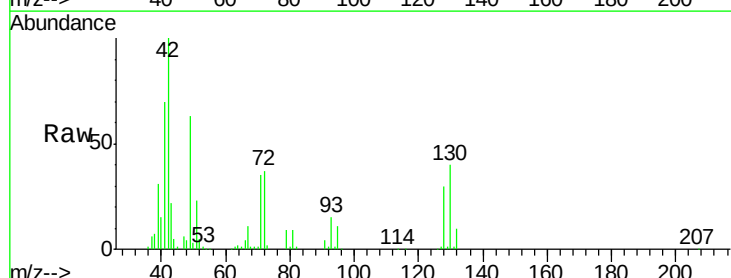
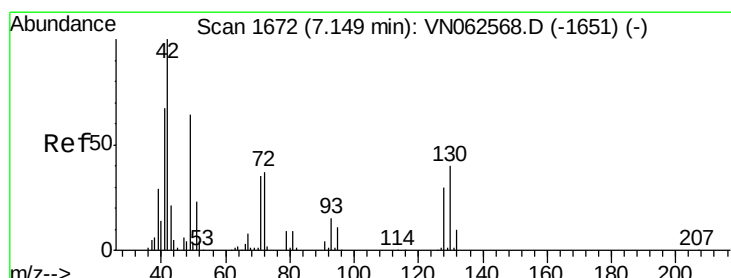
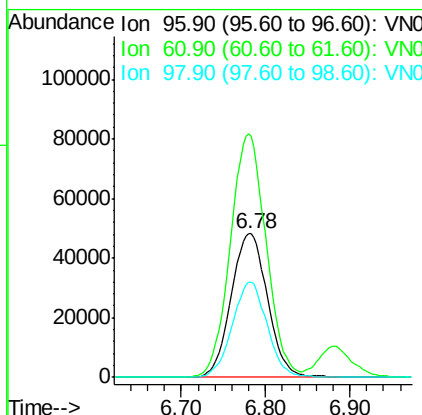
Acq: 21 Jul 2020 12:45

Tot Ion	Ratio	Resp	Lower	Upper
96	100	144911		
61	166.2	0.0	332.4	
98	63.7	0.0	127.4	

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

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#28

Bromochloromethane

Concen: 47.039 ug/l

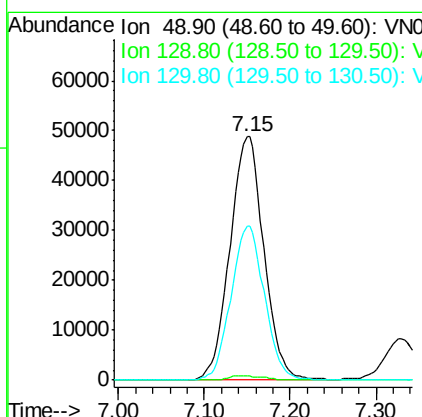
RT: 7.15 min Scan# 1672

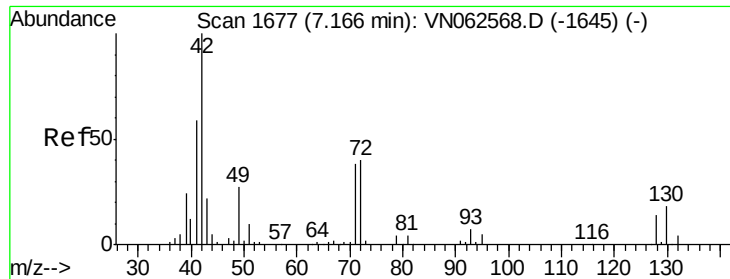
Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133991		
129	1.7	0.0	3.4	
130	62.3	49.8	74.8	





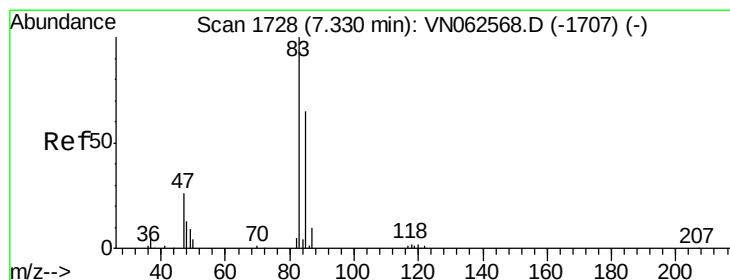
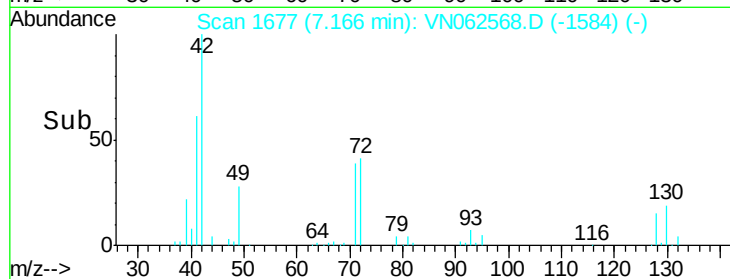
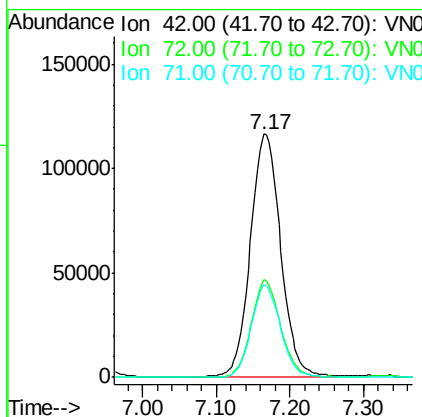
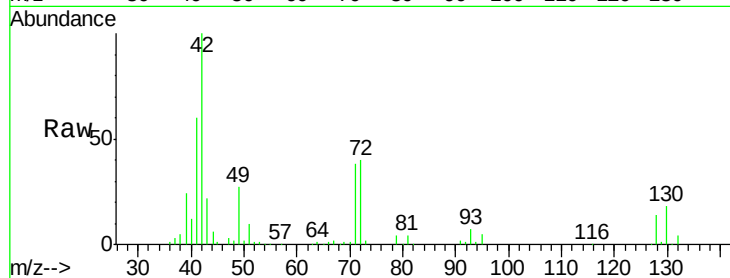
#29
Tetrahydrofuran
Concen: 245.709 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.7	46.1
71	36.4	29.1	43.7

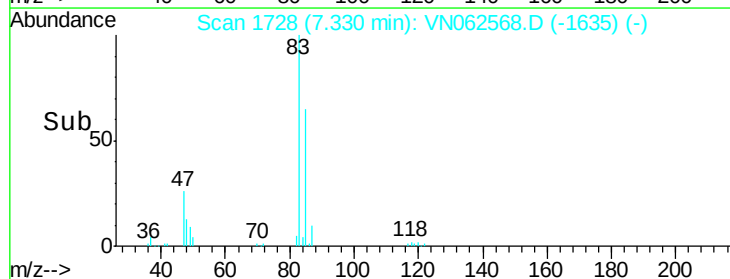
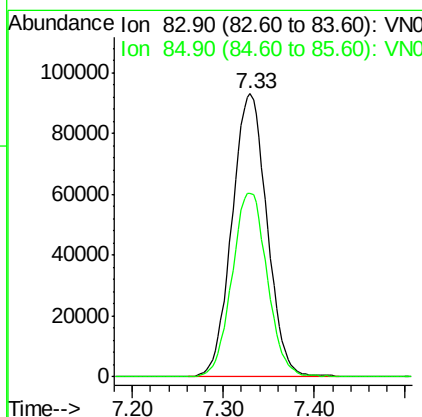
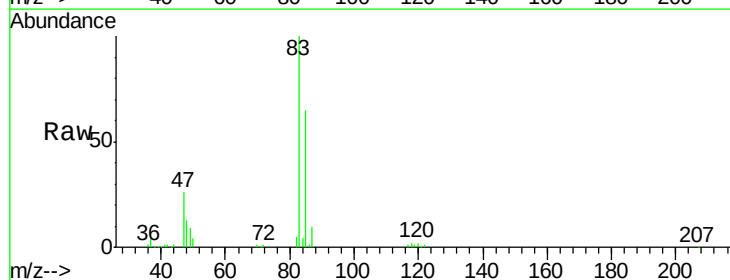
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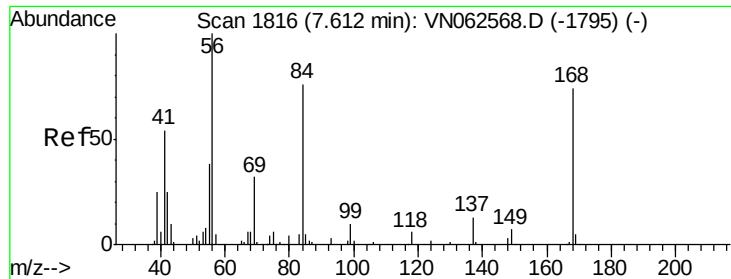
MMDadoda
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#30
Chloroform
Concen: 52.019 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.0	78.0





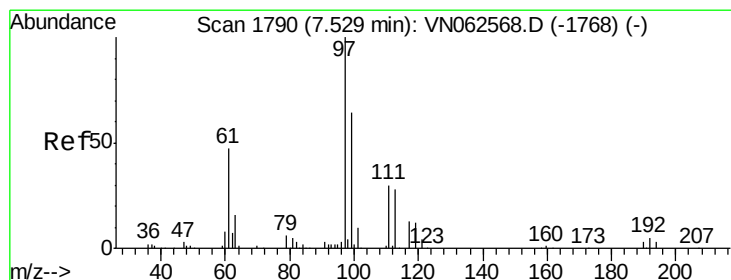
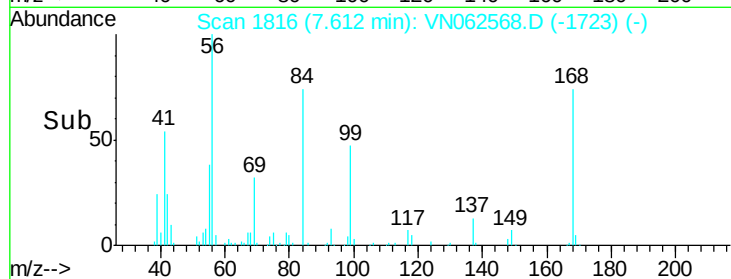
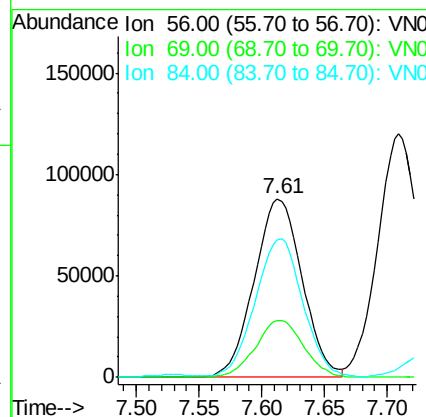
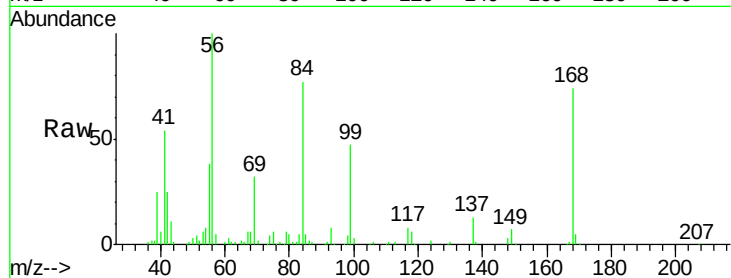
#31
Cyclohexane
Concen: 46.967 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	25.3	37.9
84	76.2	61.0	91.4

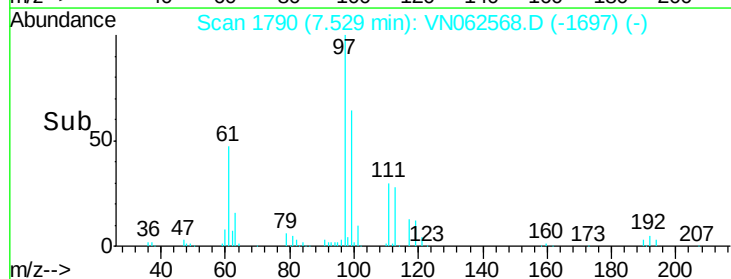
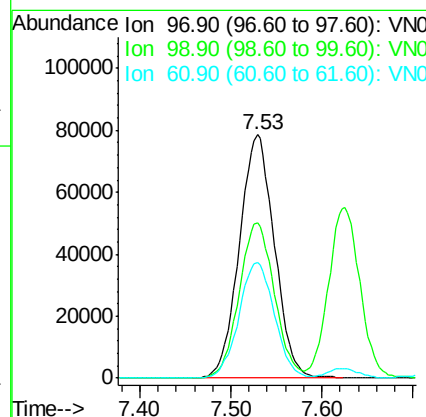
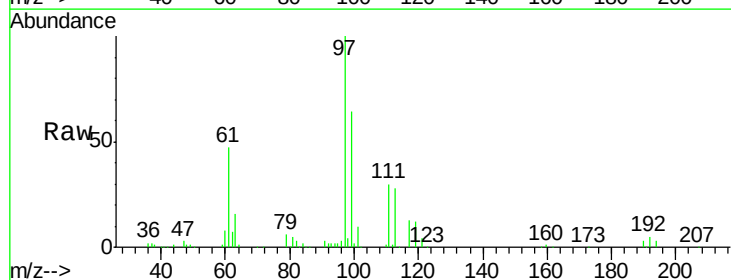
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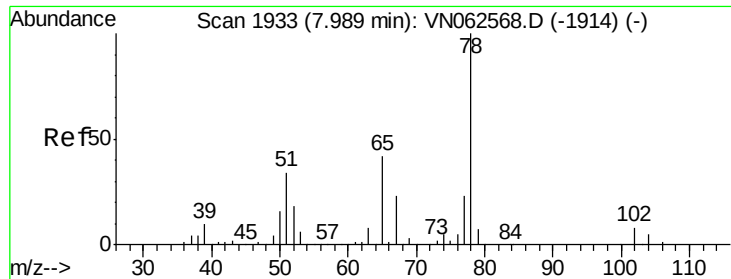
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.557 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	48.0	38.4	57.6





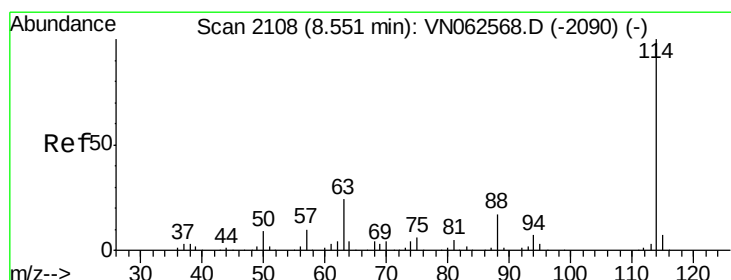
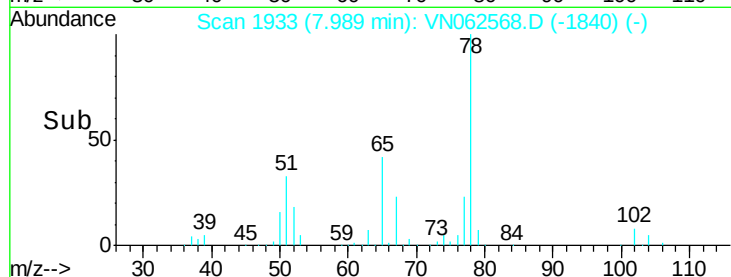
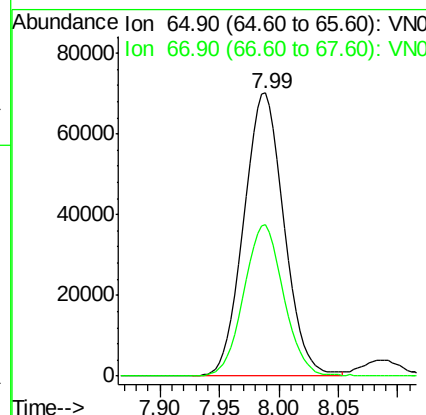
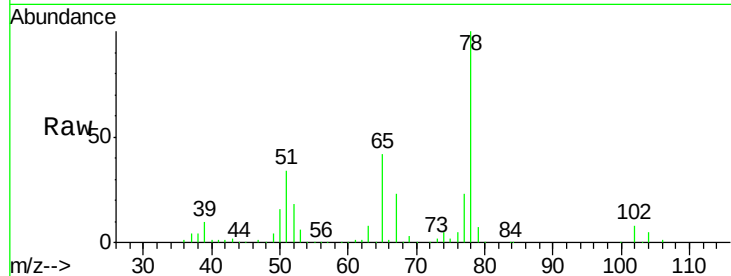
#33
 1,2-Dichloroethane-d4
 Concen: 49.785 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	164773		
67	53.0	0.0	106.0	

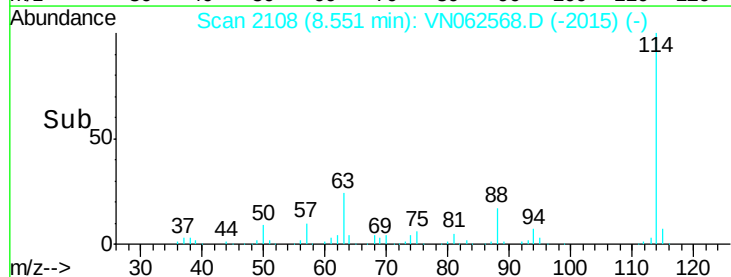
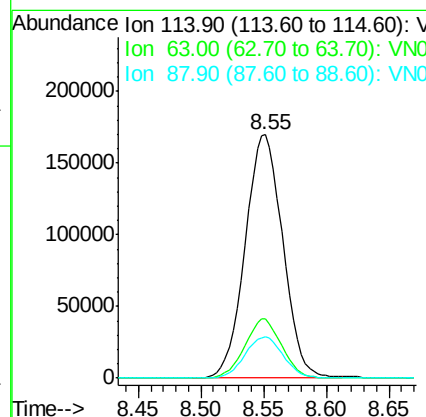
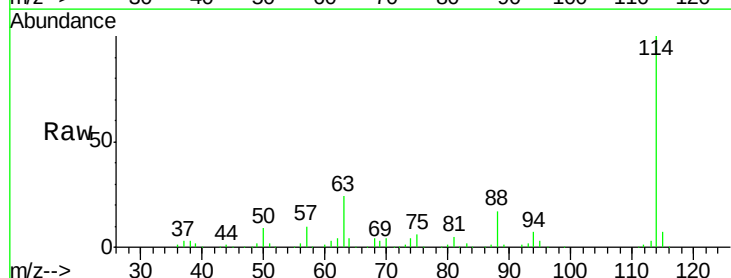
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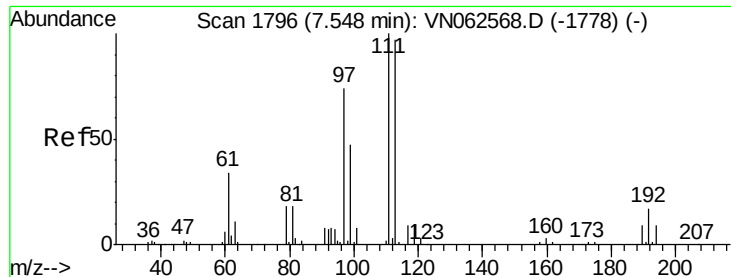
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	354489		
63	24.2	0.0	48.4	
88	16.9	0.0	33.8	





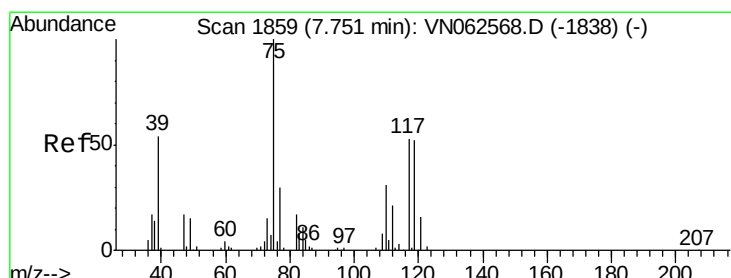
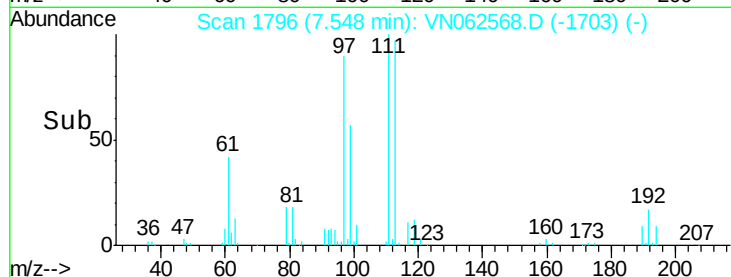
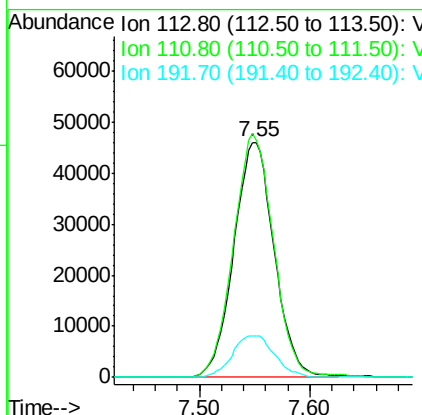
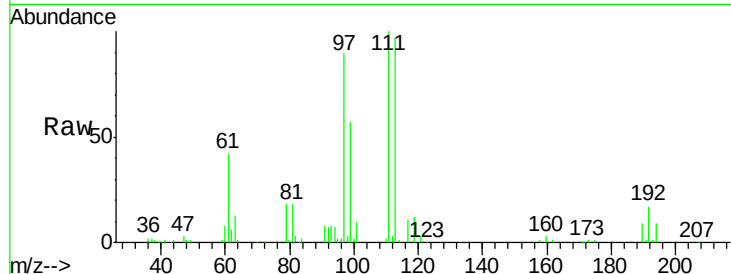
#35
 Dibromofluoromethane
 Concen: 53.042 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116760		
111	103.4	82.7	124.1	
192	18.5	14.8	22.2	

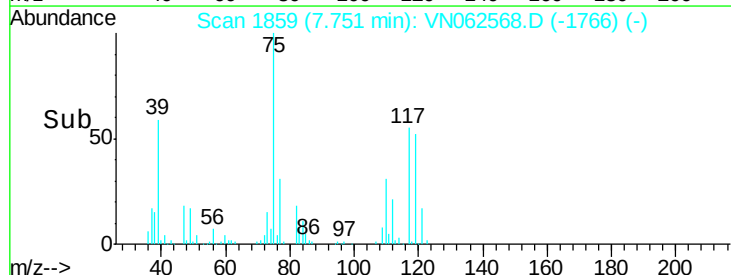
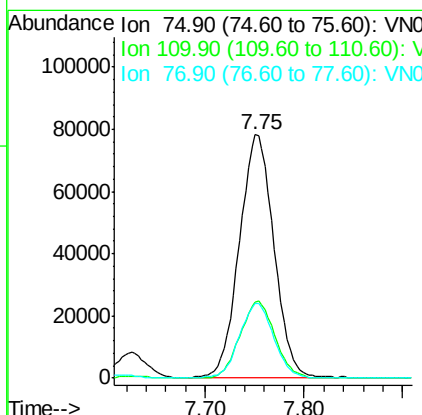
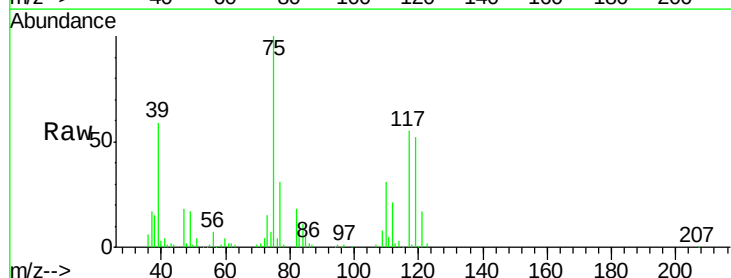
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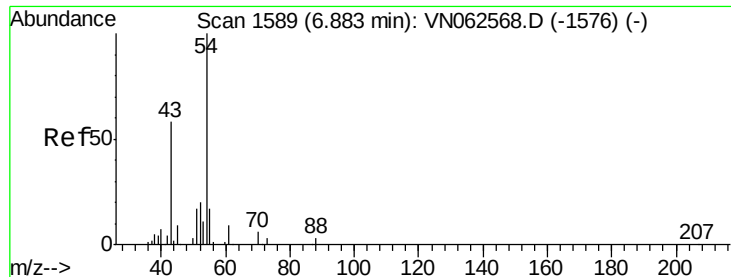
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 52.967 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189008		
110	32.0	16.0	48.0	
77	30.7	24.6	36.8	





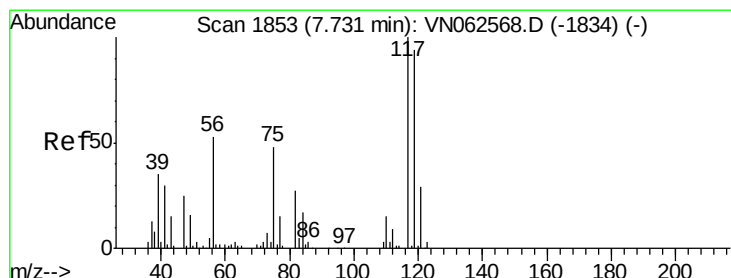
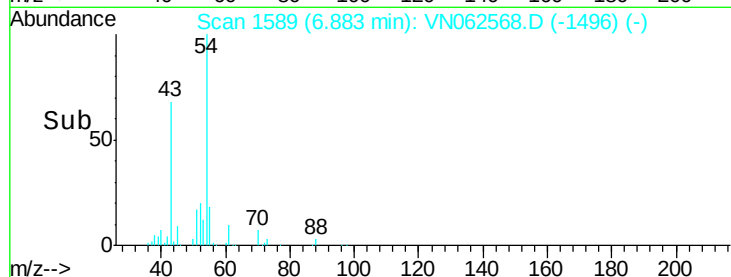
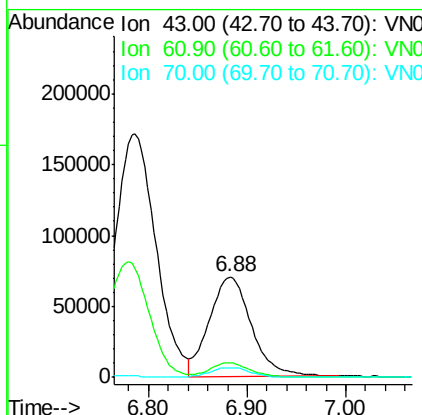
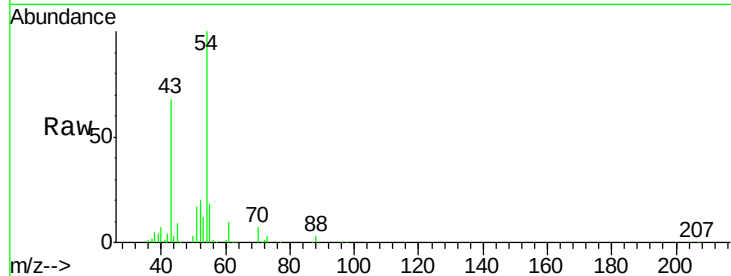
#37
Ethyl Acetate
Concen: 50.576 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	11.3	16.9
70	9.6	7.7	11.5

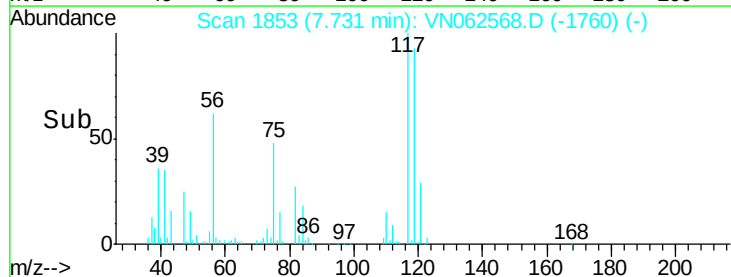
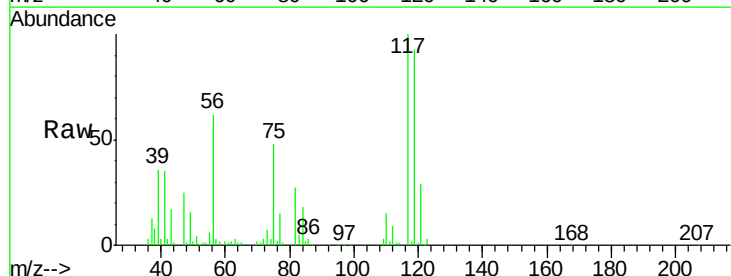
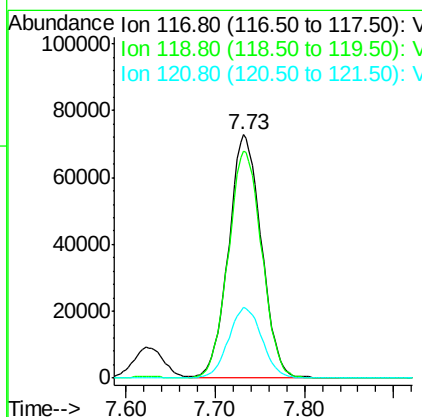
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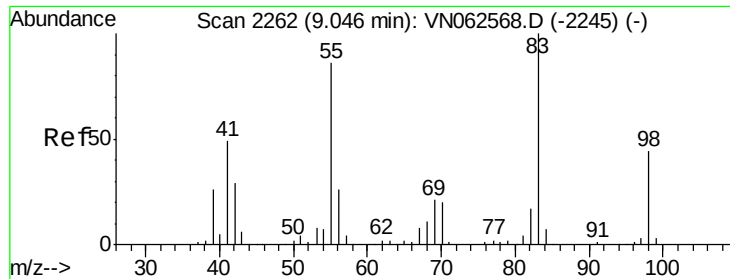
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#38
Carbon Tetrachloride
Concen: 56.968 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	74.8	112.2
121	28.8	23.0	34.6





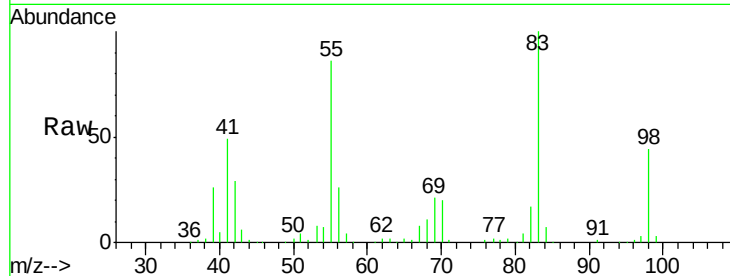
#39
Methylvlcyclohexane
Concen: 54.052 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

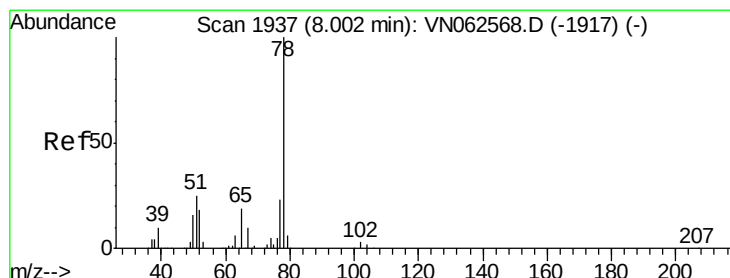
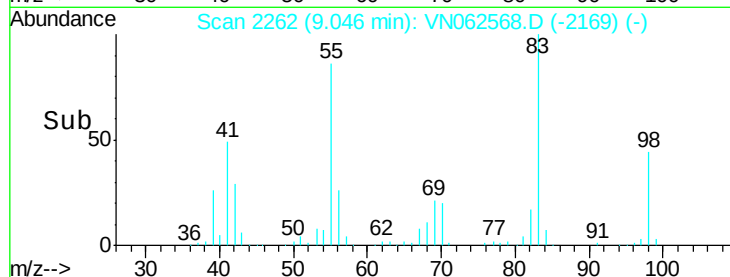
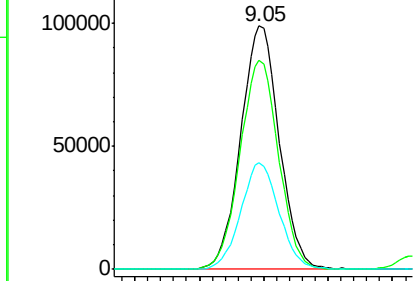
Tot Ion	Ratio	Lower	Upper
83	100		
55	86.1	68.9	103.3
98	43.9	35.1	52.7

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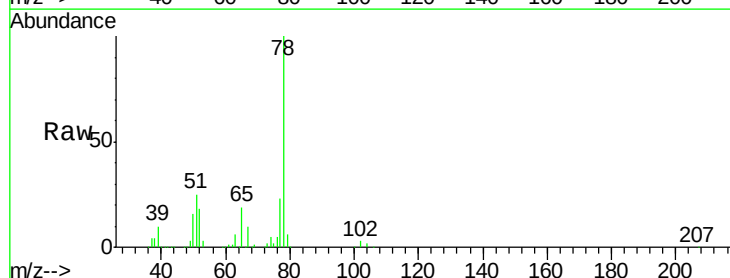


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

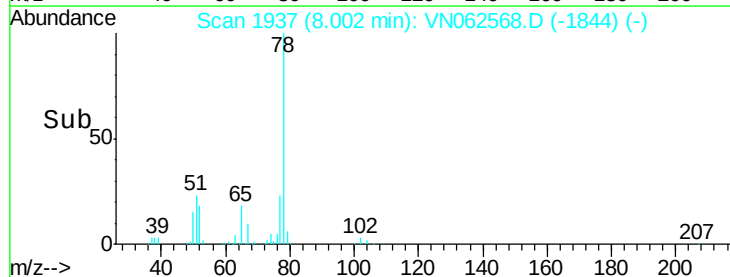
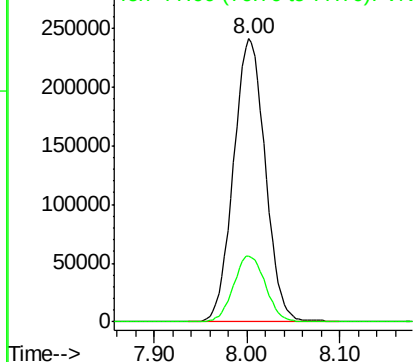


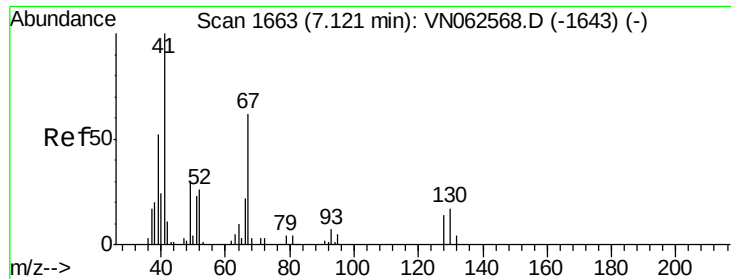
#40
Benzene
Concen: 54.109 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





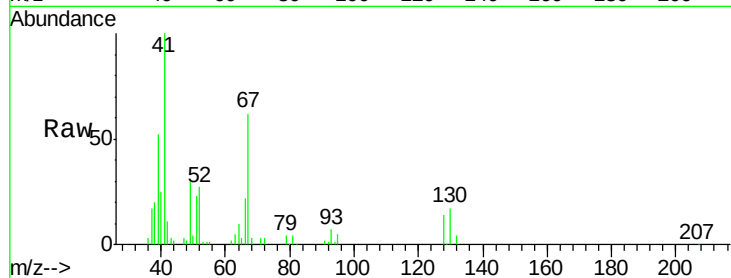
#41
Methacrylonitrile
Concen: 49.732 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

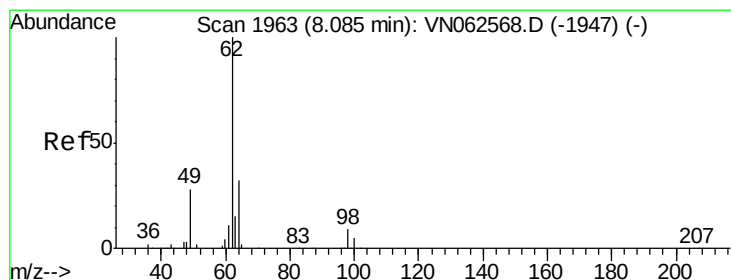
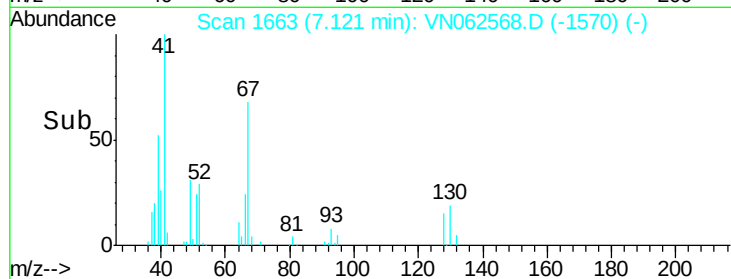
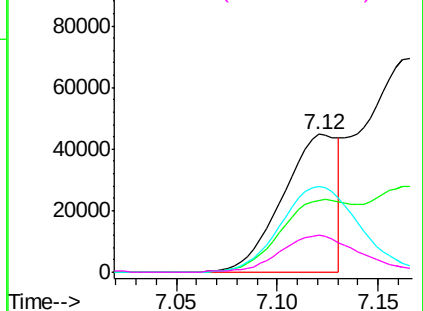
Tot Ion	41	Resp	84581
Ion Ratio	Lower	Upper	
41	100		
39	69.7	55.8	83.6
67	90.6	72.5	108.7
52	39.8	31.8	47.8

Manual Integrations
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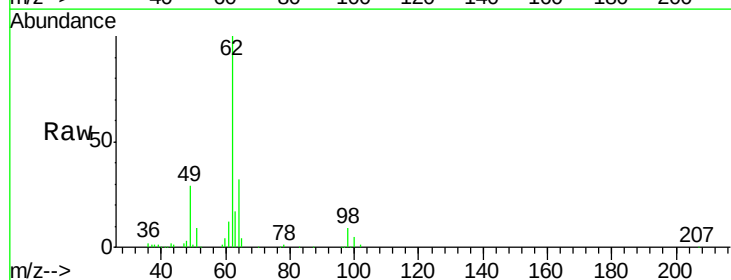


Abundance Ion 41.00 (40.70 to 41.70): VN062568.D (-1643) (-)
Ion 39.00 (38.70 to 39.70): VN062568.D (-1643) (-)
Ion 67.00 (66.70 to 67.70): VN062568.D (-1643) (-)
Ion 52.00 (51.70 to 52.70): VN062568.D (-1643) (-)

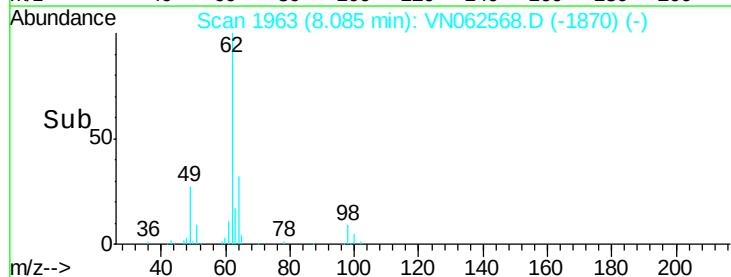
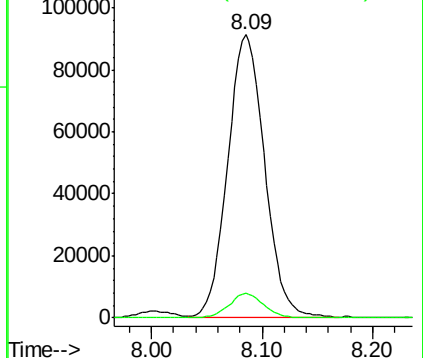


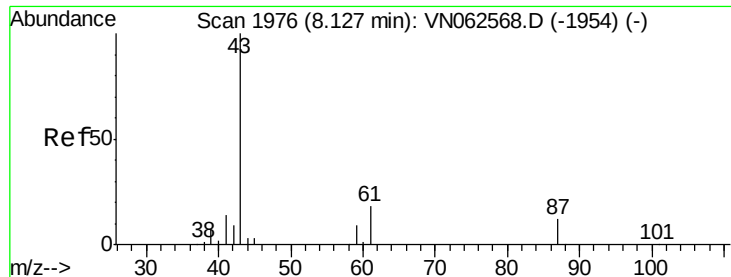
#42
1,2-Dichloroethane
Concen: 54.530 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	62	Resp	211261
Ion Ratio	Lower	Upper	
62	100		
98	8.1	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN062568.D (-1947) (-)
Ion 97.90 (97.60 to 98.60): VN062568.D (-1947) (-)





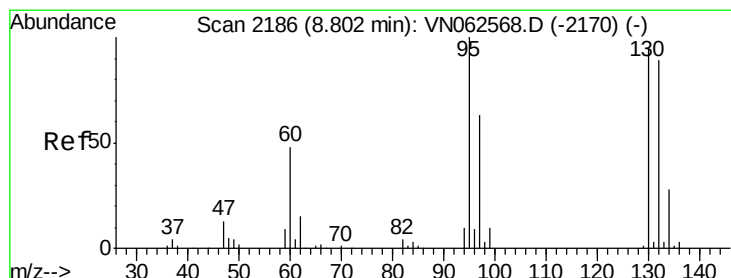
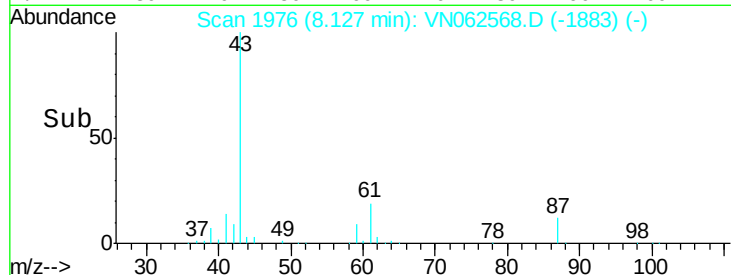
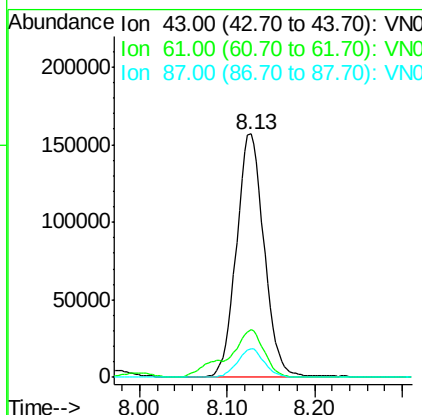
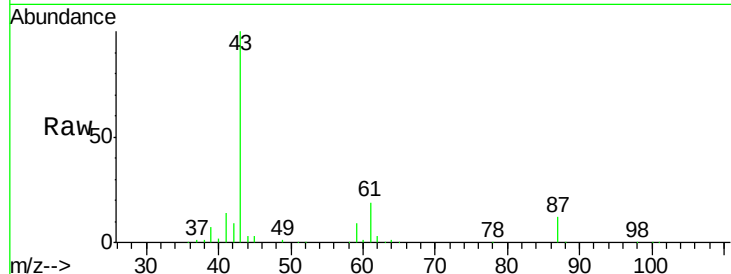
#43
Isopropyl Acetate
Concen: 52.503 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.8	31.2
87	11.5	9.2	13.8

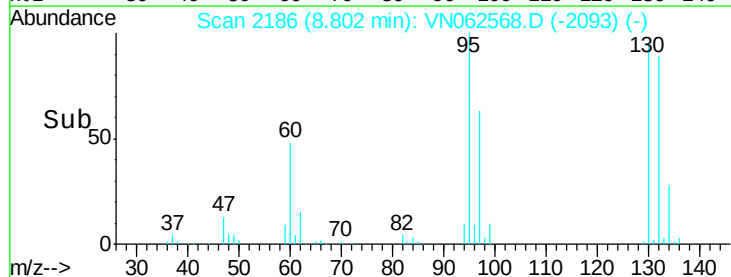
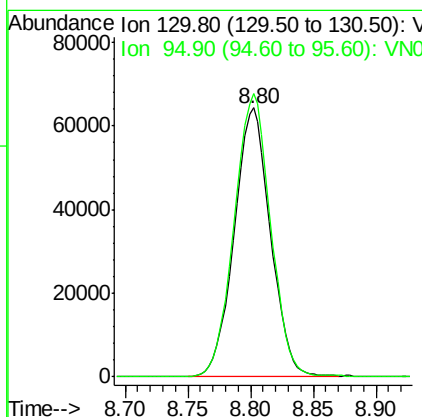
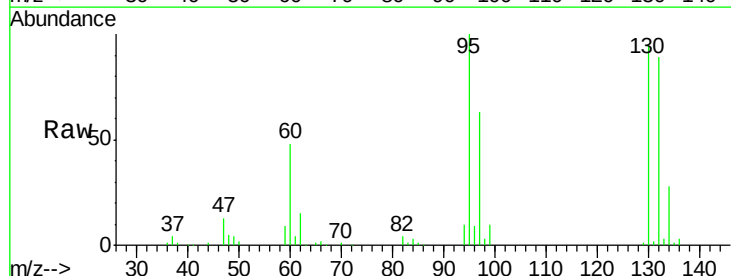
Manual Integrations
APPROVED

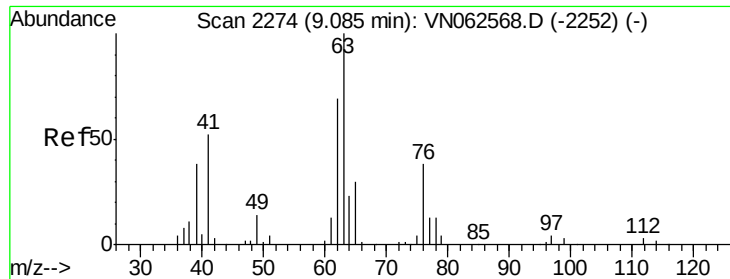
MMDadoda
7/22/2020 2:45:38 PM



#44
Trichloroethene
Concen: 54.889 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	210.4





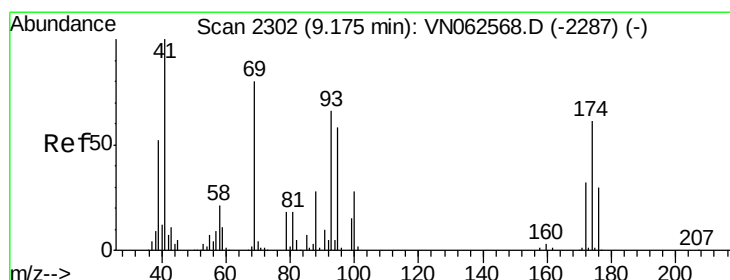
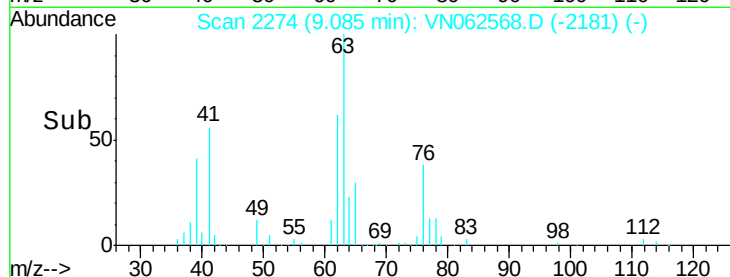
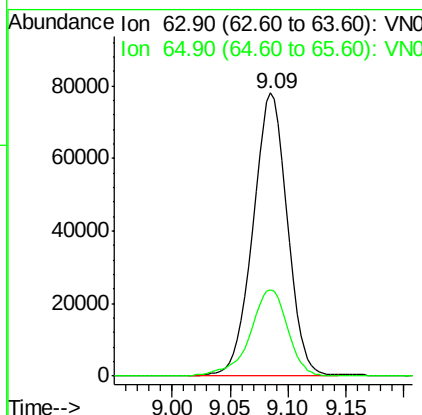
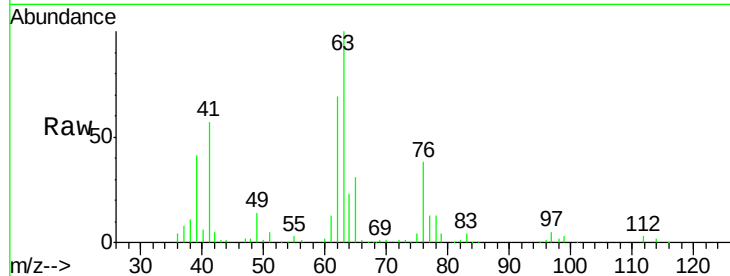
#45
 1,2-Dichloropropane
 Concen: 52.830 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 161303
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.4 36.6

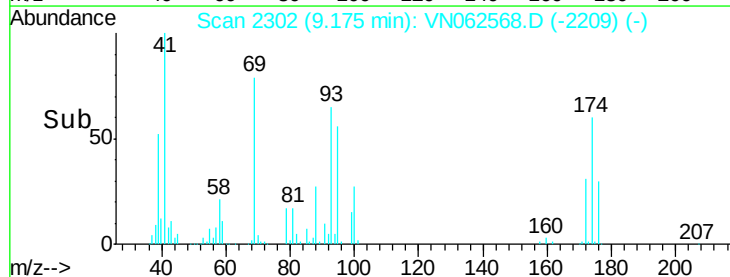
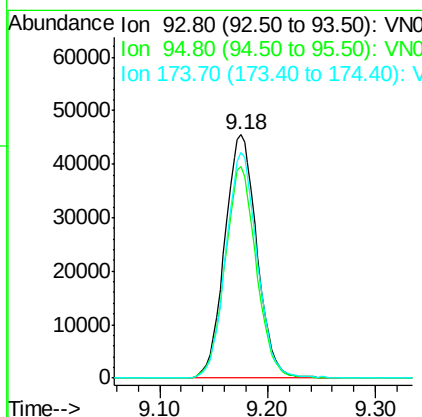
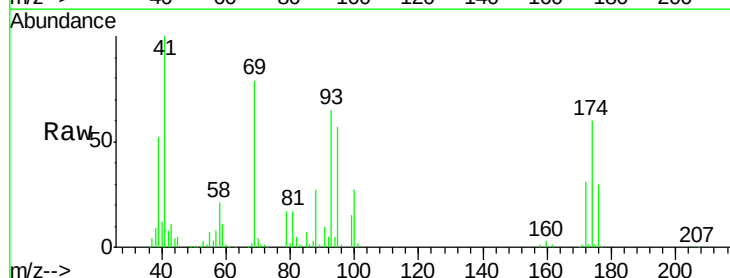
Manual Integrations
 APPROVED

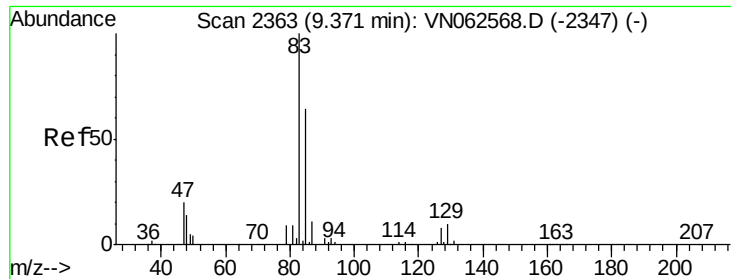
MMDadoda
 7/22/2020 2:45:38 PM



#46
 Dibromomethane
 Concen: 54.430 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion: 93 Resp: 94403
 Ion Ratio Lower Upper
 93 100
 95 84.5 67.6 101.4
 174 90.6 72.5 108.7





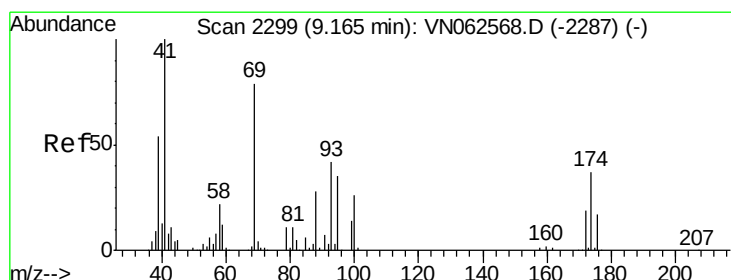
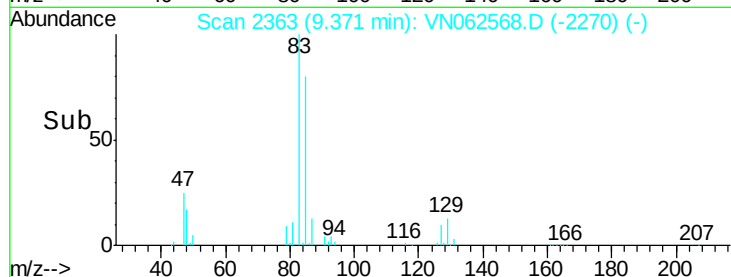
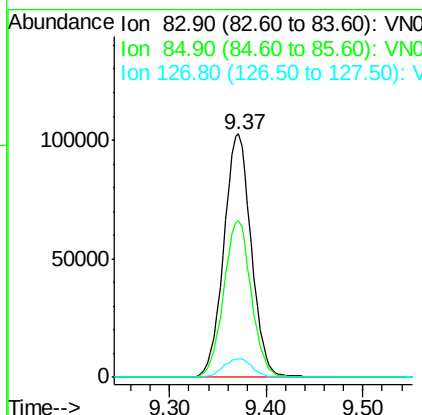
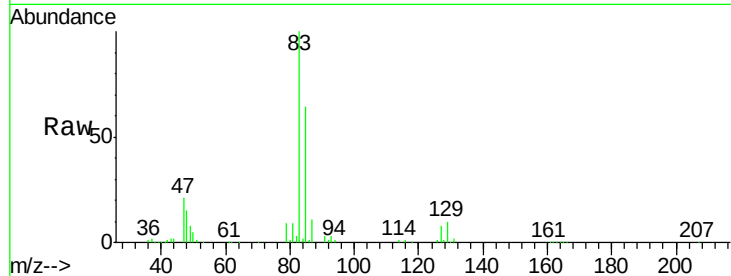
#47
Bromodichloromethane
Concen: 54.595 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	83	Resp	201936
Ion Ratio	100		
85	64.5	51.6	77.4
127	7.7	6.2	9.2

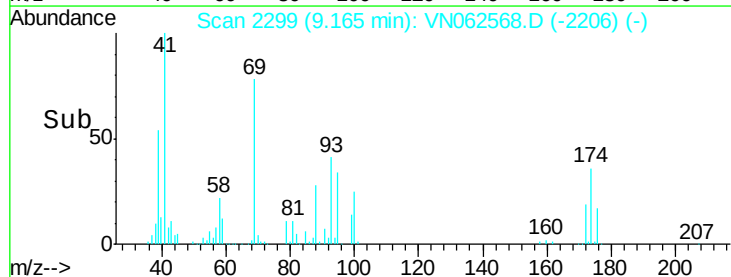
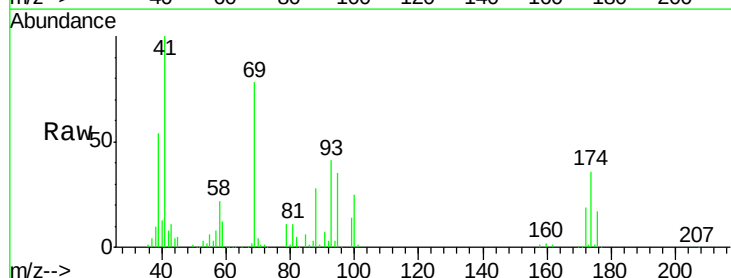
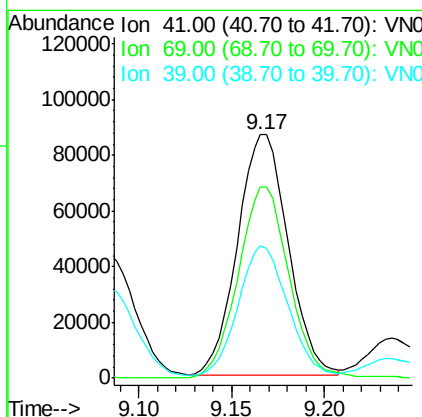
Manual Integrations
APPROVED

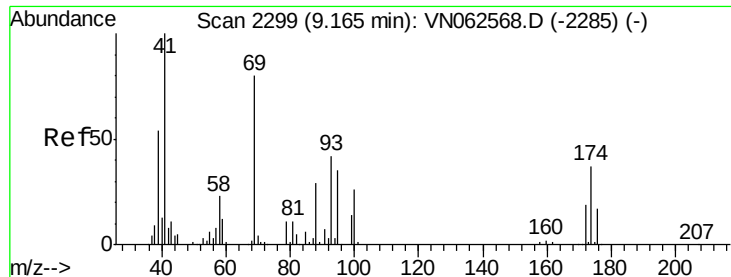
MMDadoda
7/22/2020 2:45:38 PM



#48
Methyl methacrylate
Concen: 50.967 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	41	Resp	163159
Ion Ratio	100		
69	80.5	64.4	96.6
39	54.4	43.5	65.3





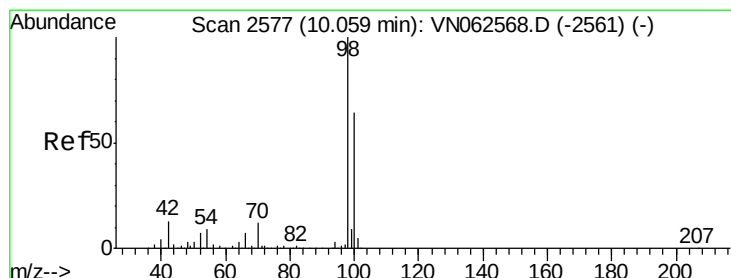
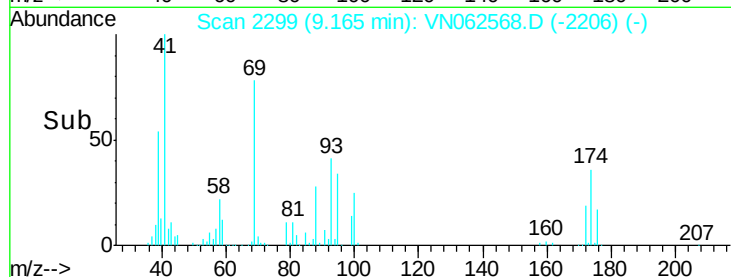
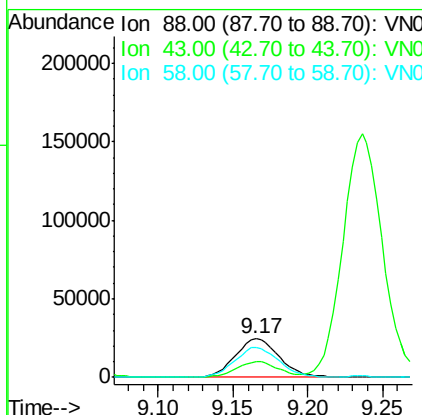
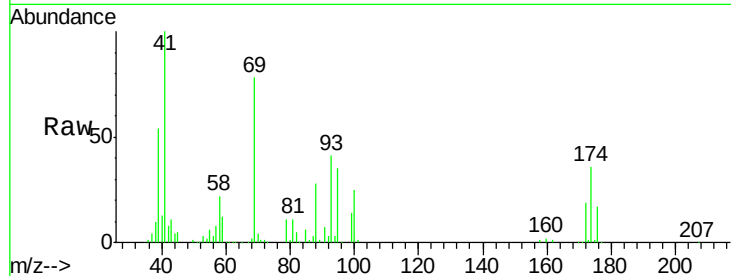
#49
1,4-Dioxane
Concen: 1068.254 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	40.0	32.0	48.0	
58	78.5	62.8	94.2	

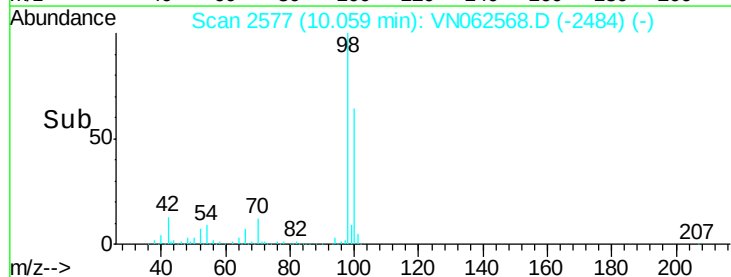
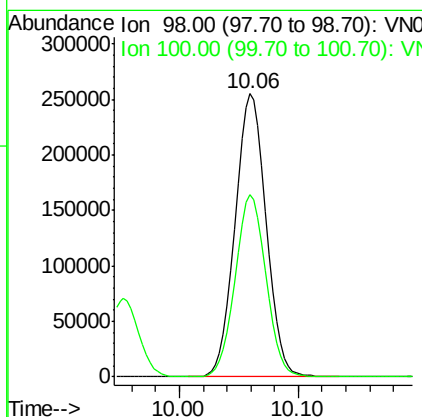
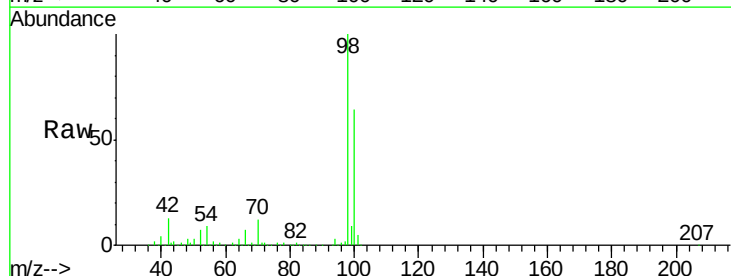
Manual Integrations
APPROVED

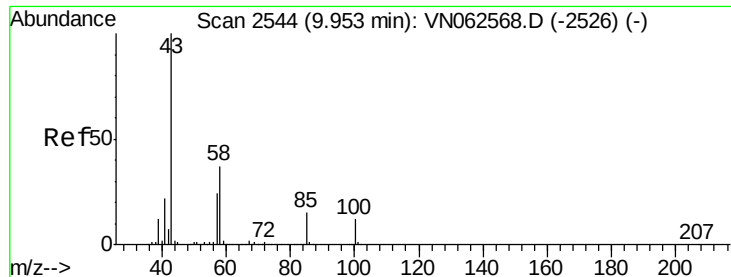
MMDadoda
7/22/2020 2:45:38 PM



#50
Toluene-d8
Concen: 53.030 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.6	50.9	76.3	





#51

4-Methyl-2-Pentanone

Concen: 266.753 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1042941

Ion Ratio Lower Upper

43 100

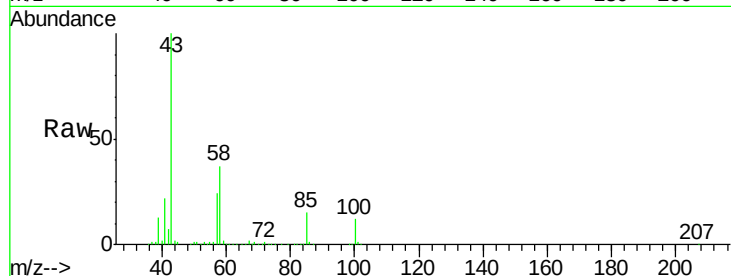
58 37.2 29.8 44.6

Manual Integrations

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MMDadoda

7/22/2020 2:45:38 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)

9.95

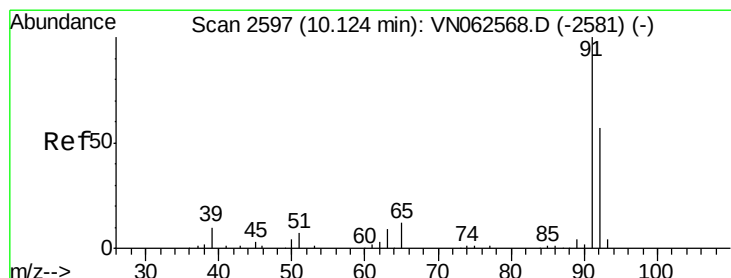
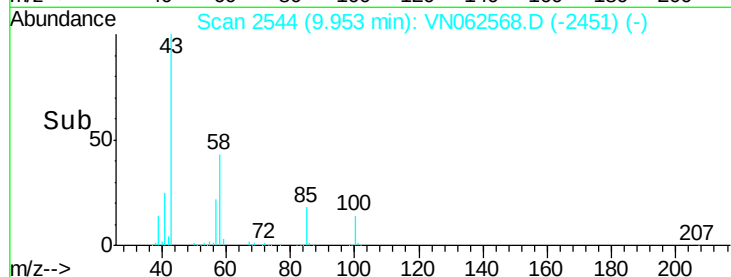
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 55.784 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062568.D

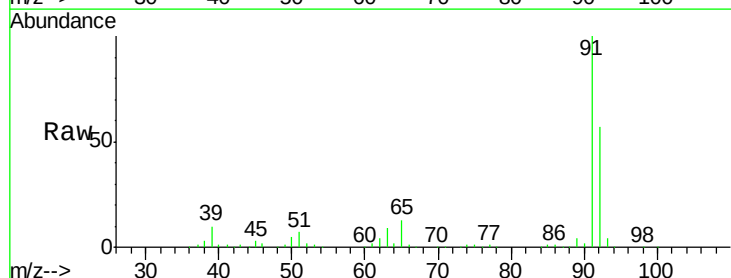
Acq: 21 Jul 2020 12:45

Tgt Ion: 92 Resp: 342646

Ion Ratio Lower Upper

92 100

91 174.3 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN062568.D (-2581) (-)

Ion 91.00 (90.70 to 91.70): VN062568.D (-2581) (-)

10.12

400000

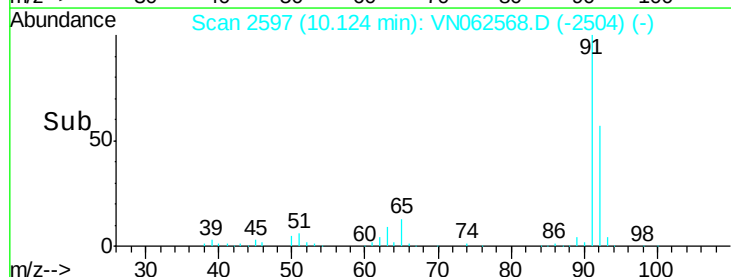
300000

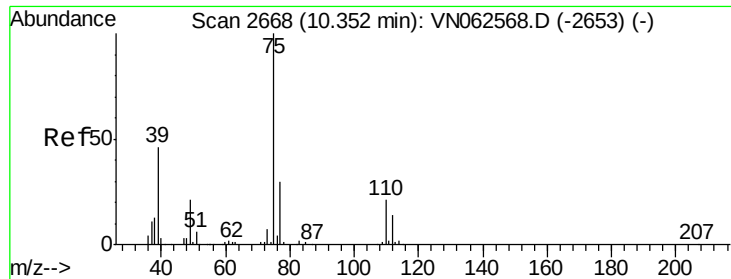
200000

100000

0

Time-->





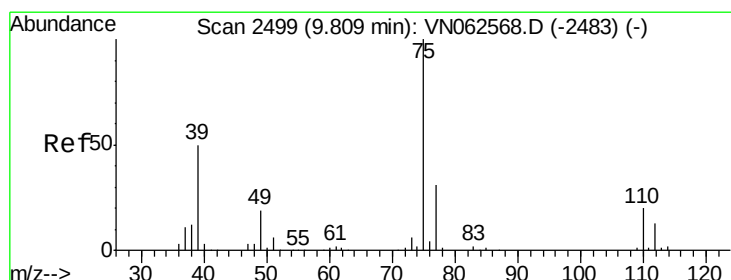
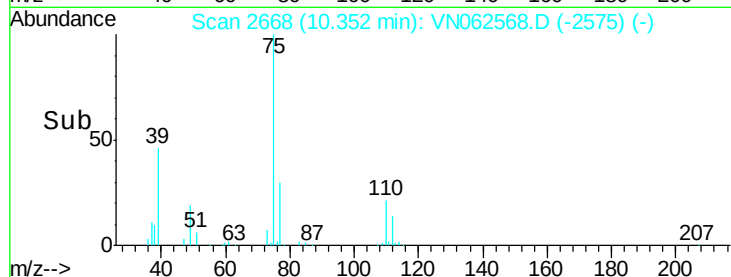
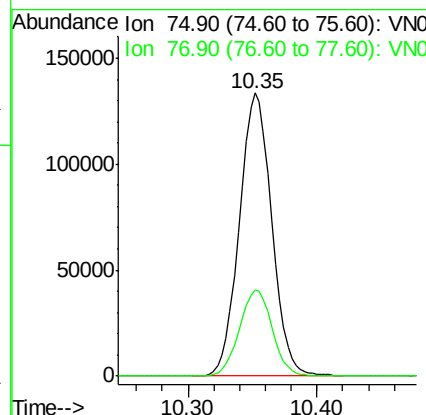
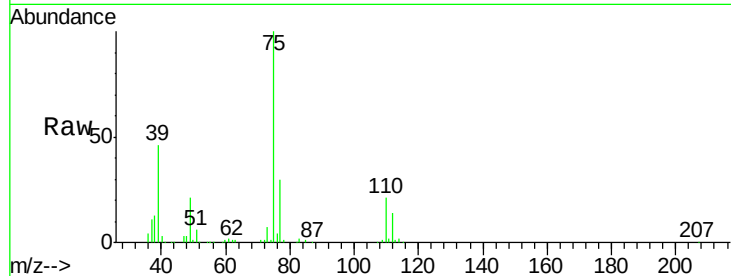
#53
t-1,3-Dichloropropene
Concen: 56.067 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5

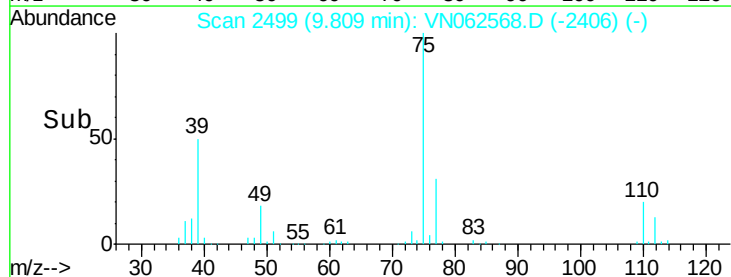
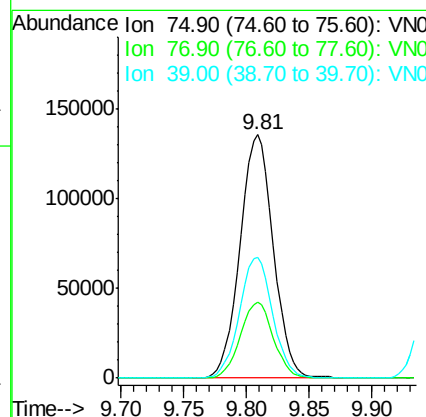
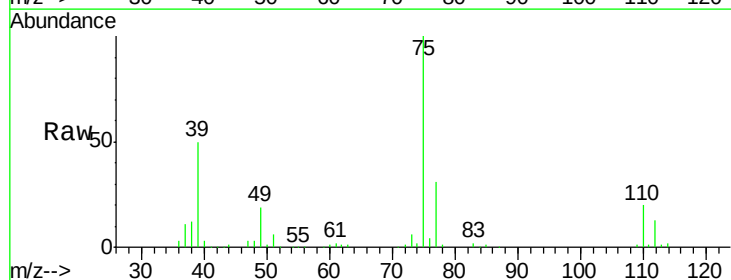
Manual Integrations
APPROVED

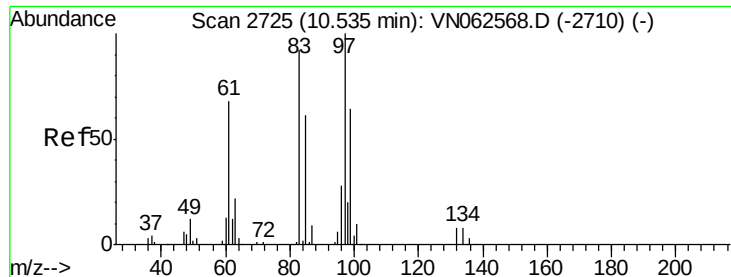
MMDadoda
7/22/2020 2:45:38 PM



#54
cis-1,3-Dichloropropene
Concen: 54.705 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.0	37.6
39	49.8	39.8	59.8





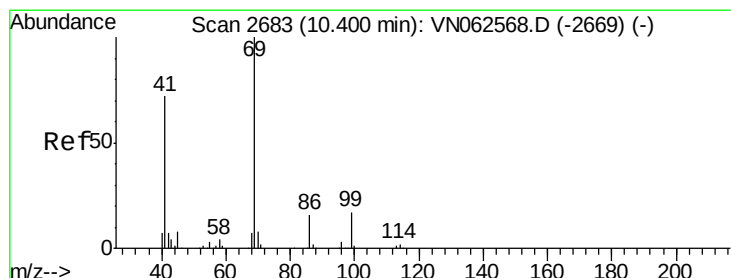
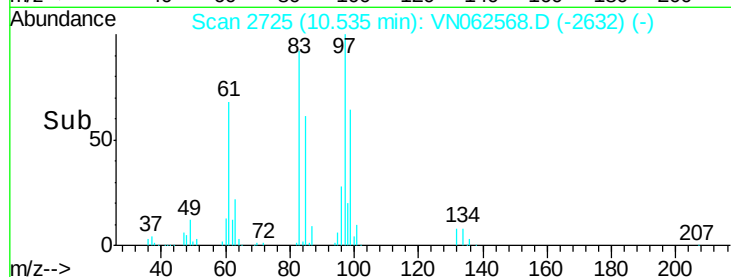
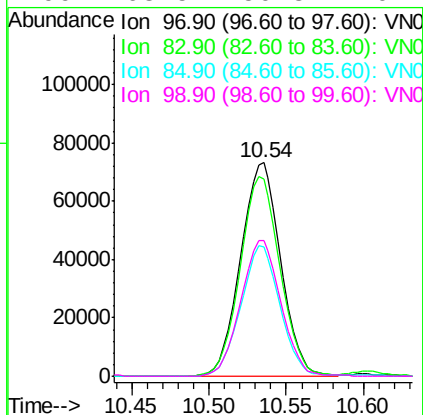
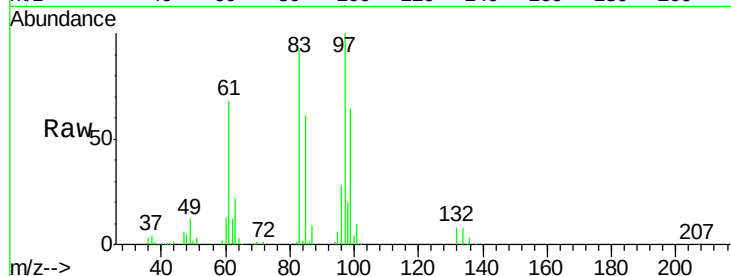
#55
 1,1,2-Trichloroethane
 Concen: 55.067 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	132040
Ion	Ratio	Lower	Upper
97	100		
83	92.1	73.7	110.5
85	60.6	48.5	72.7
99	63.5	50.8	76.2

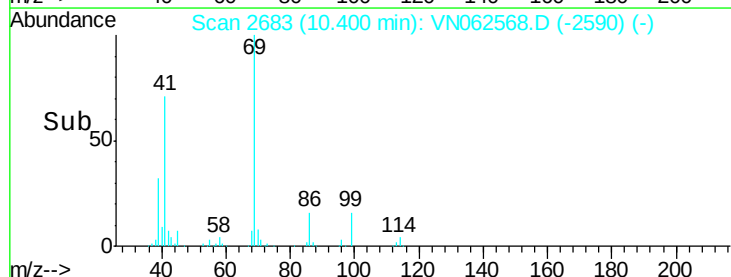
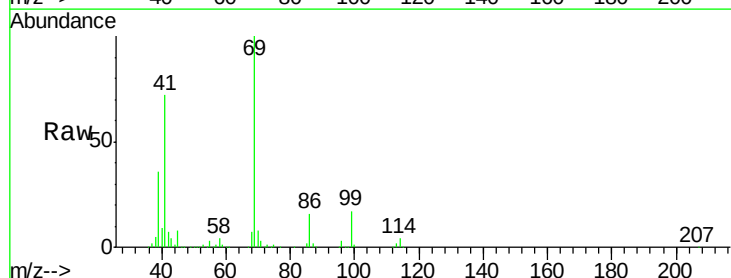
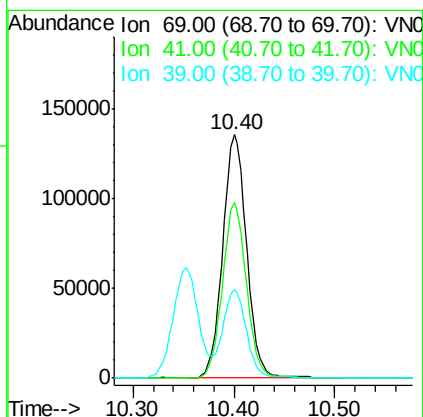
Manual Integrations
 APPROVED

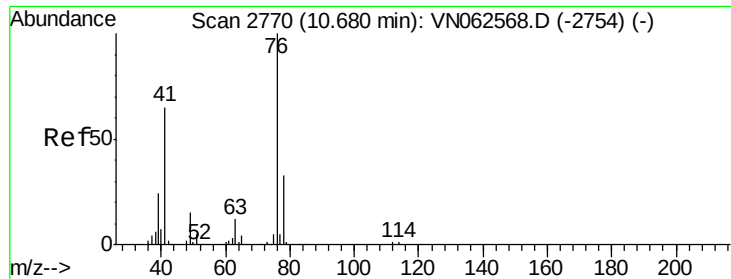
MMDadoda
 7/22/2020 2:45:38 PM



#56
 Ethyl methacrylate
 Concen: 56.531 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion:	69	Resp:	225796
Ion	Ratio	Lower	Upper
69	100		
41	71.5	57.2	85.8
39	35.8	28.6	43.0





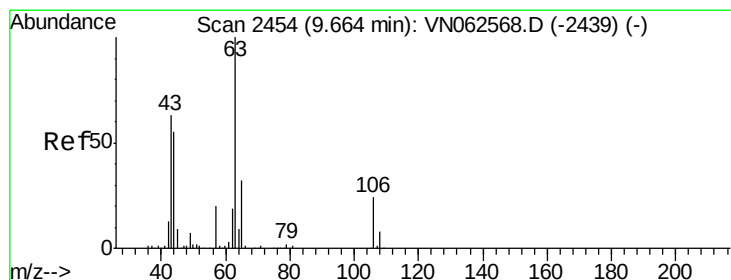
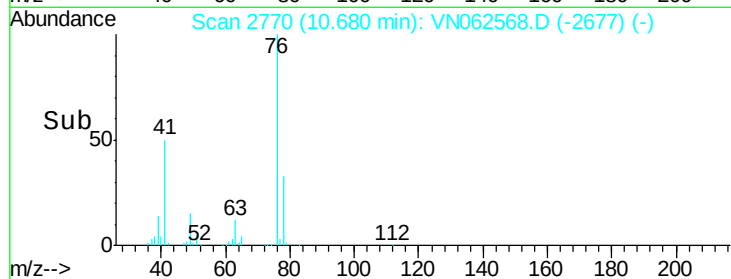
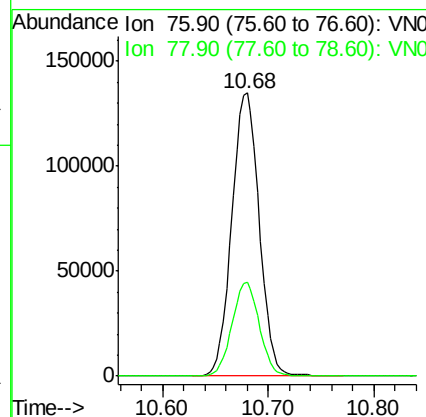
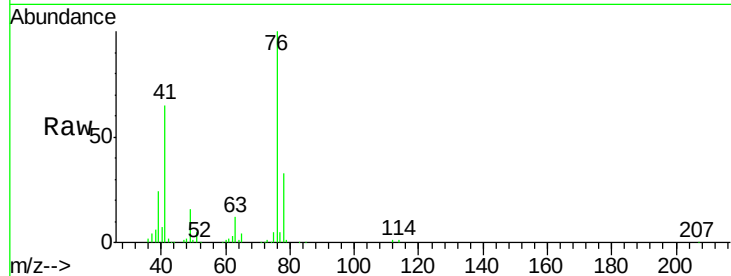
#57
 1,3-Dichloropropane
 Concen: 54.781 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion: 76 Resp: 242908
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.3 39.5

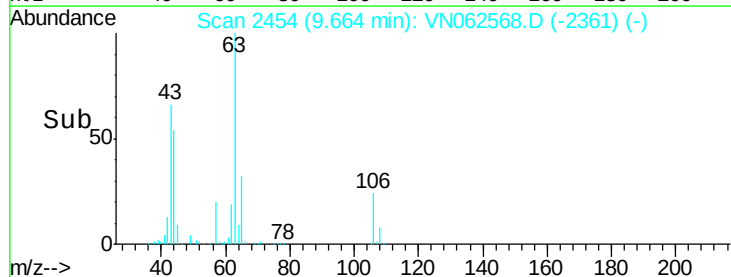
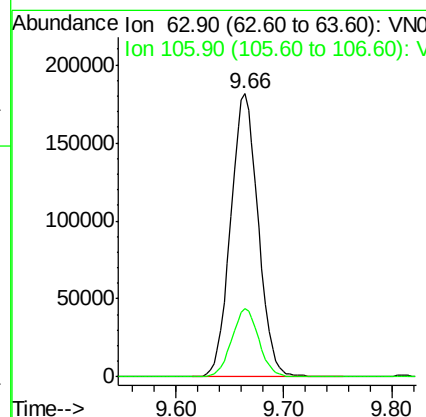
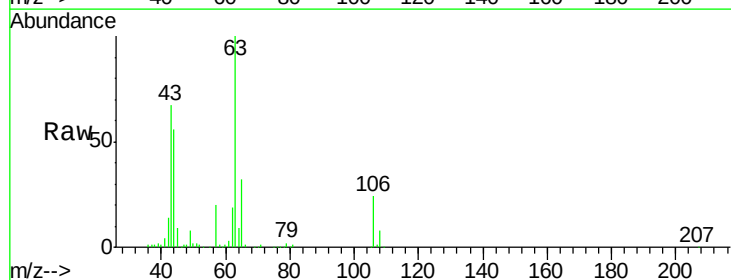
Manual Integrations
 APPROVED

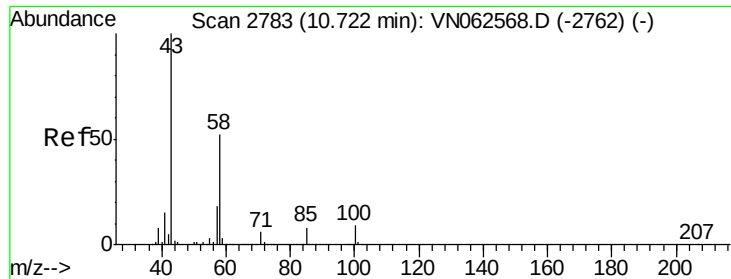
MMDadoda
 7/22/2020 2:45:38 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.830 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion: 63 Resp: 323297
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.9 28.3





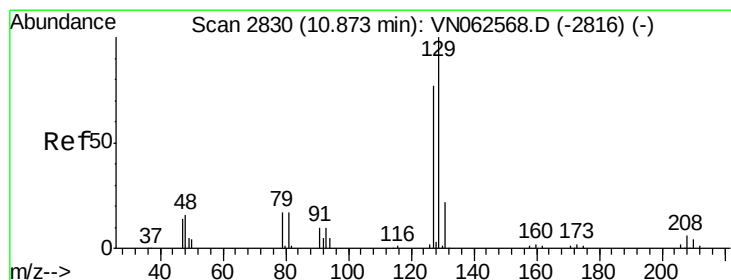
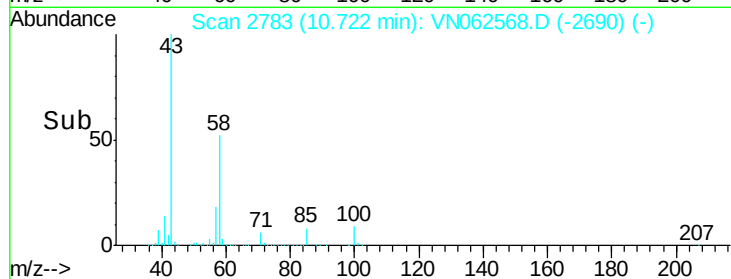
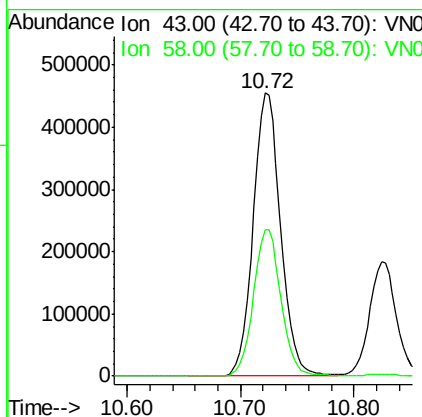
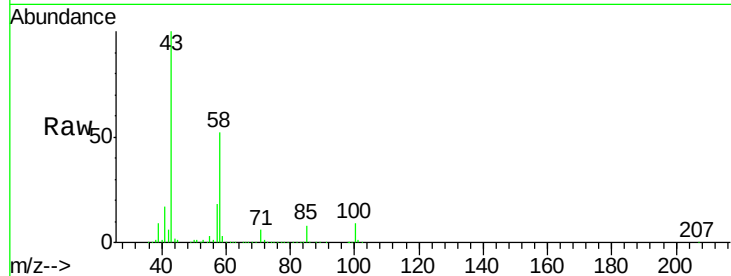
#59
2-Hexanone
Concen: 269.367 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	43	Resp	765309
Ion Ratio	100	Lower	Upper
43	100		
58	52.0	26.0	78.0

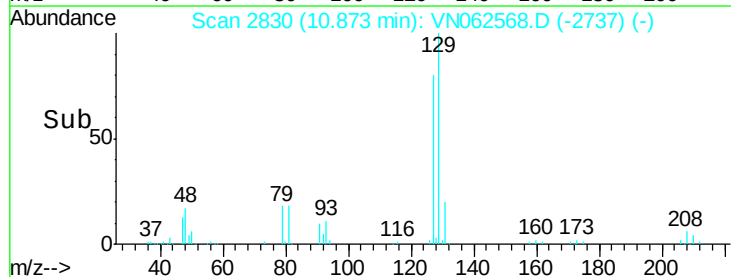
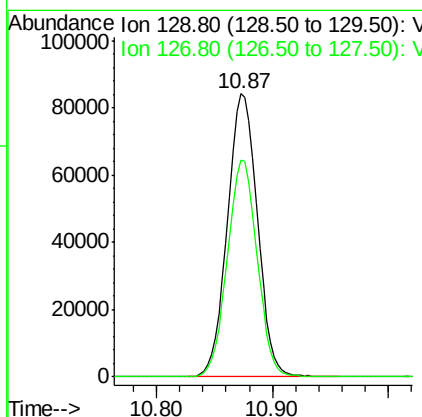
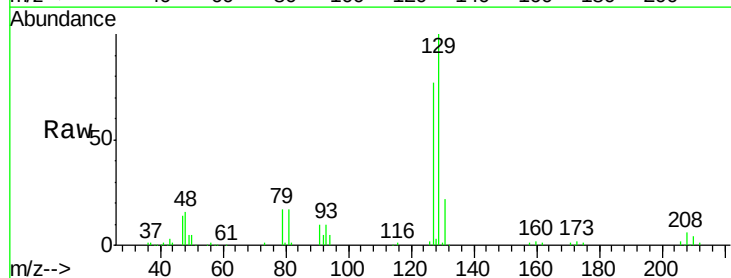
Manual Integrations
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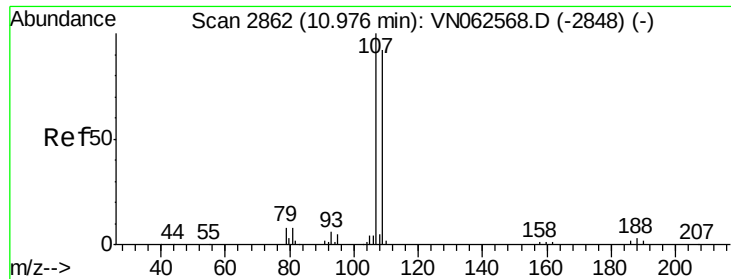
MMDadoda
7/22/2020 2:45:38 PM



#60
Dibromochloromethane
Concen: 57.365 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	129	Resp	150556
Ion Ratio	100	Lower	Upper
129	100		
127	75.9	38.0	113.9





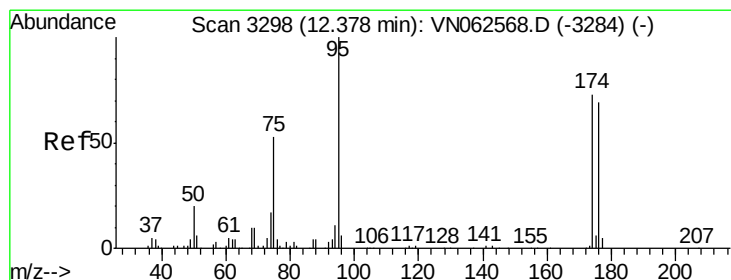
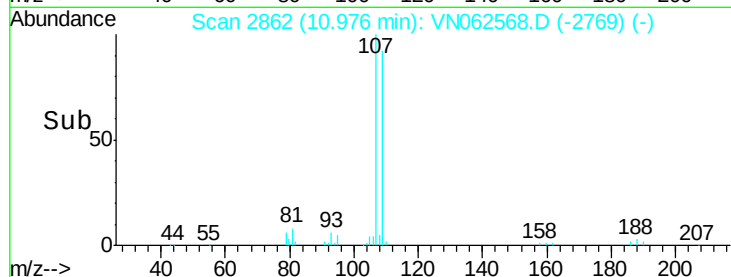
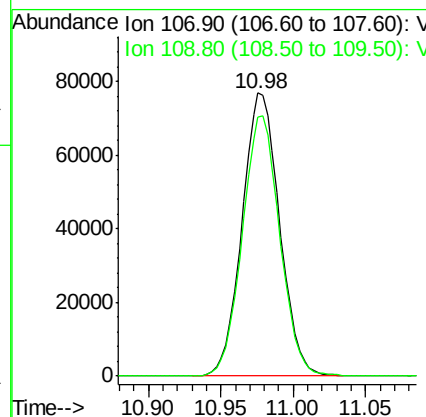
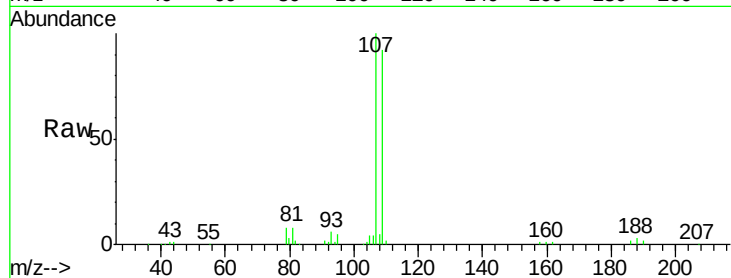
#61
 1,2-Dibromoethane
 Concen: 56.497 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	73.8	110.6

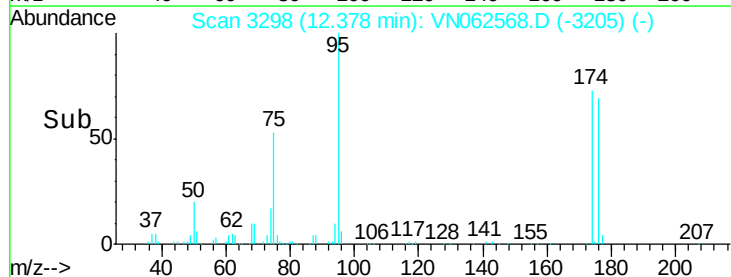
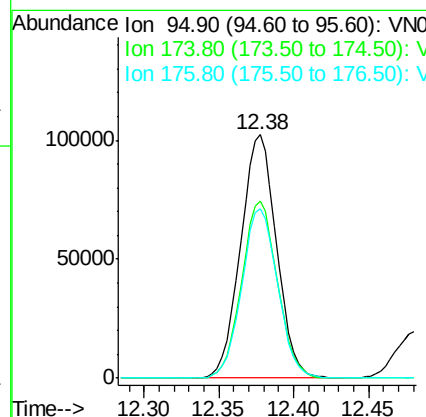
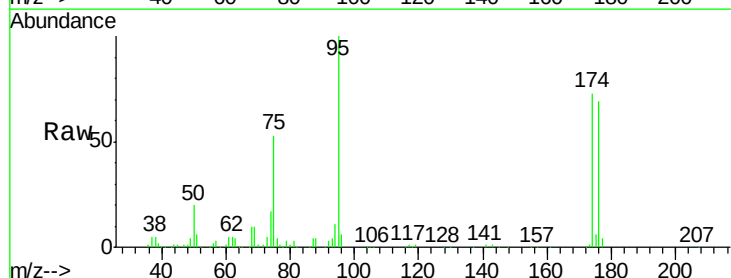
Manual Integrations
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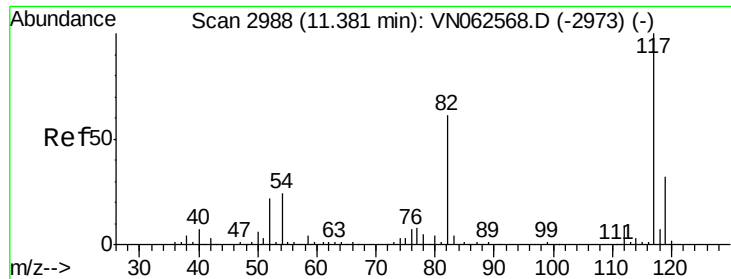
MMDadoda
 7/22/2020 2:45:38 PM



#62
 4-Bromofluorobenzene
 Concen: 53.553 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	144.6
176	69.7	0.0	139.4





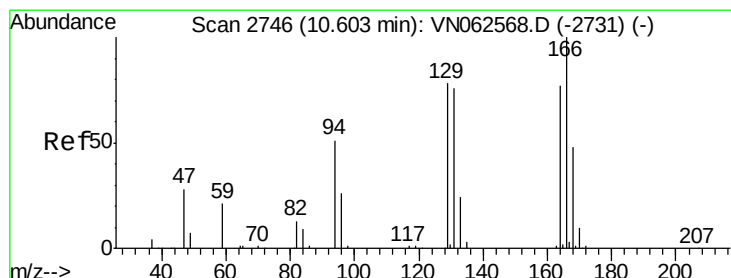
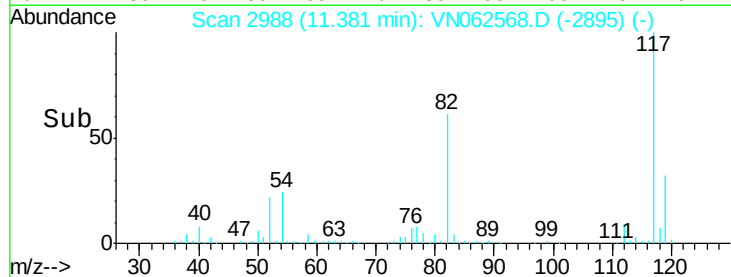
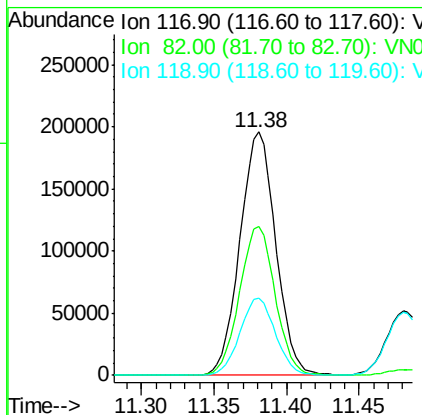
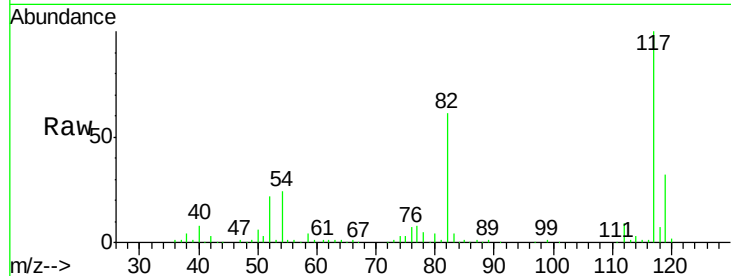
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.0	73.6
119	31.8	25.4	38.2

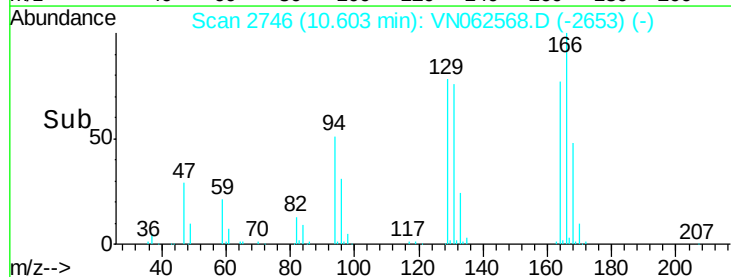
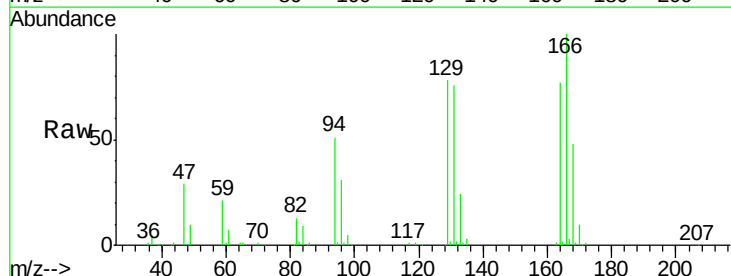
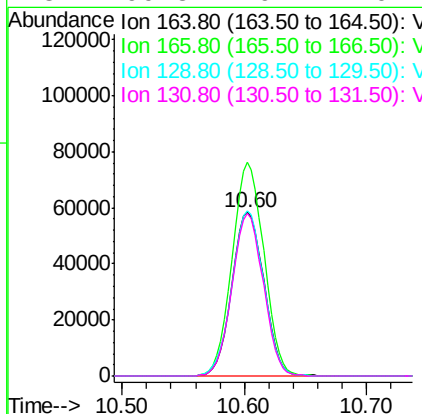
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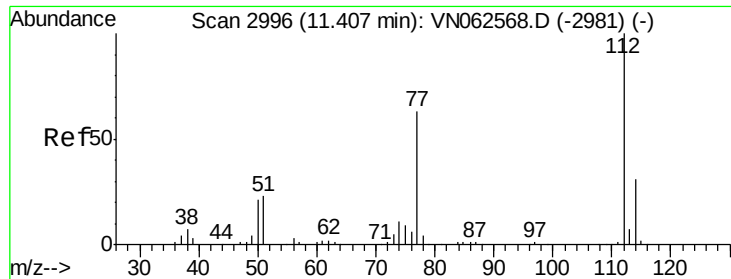
MMDadoda
7/22/2020 2:45:38 PM



#64
Tetrachloroethene
Concen: 53.029 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	104.4	156.6
129	101.2	81.0	121.4
131	99.3	79.4	119.2





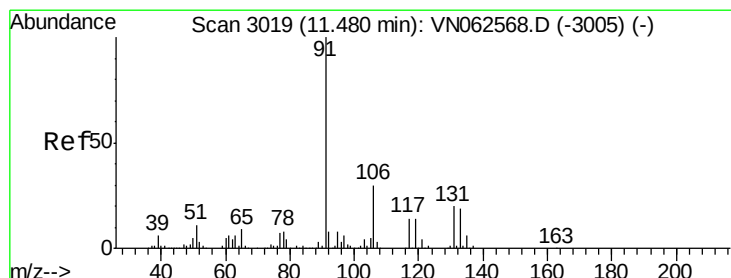
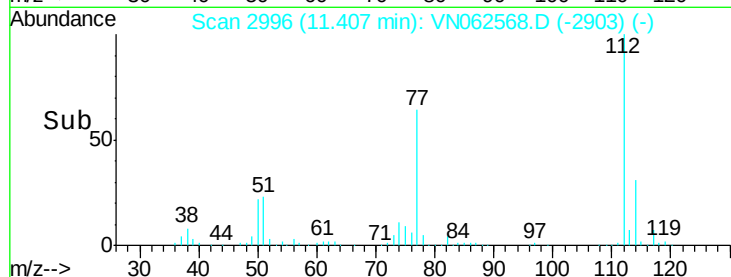
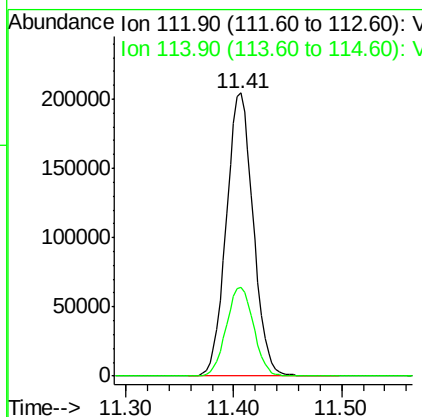
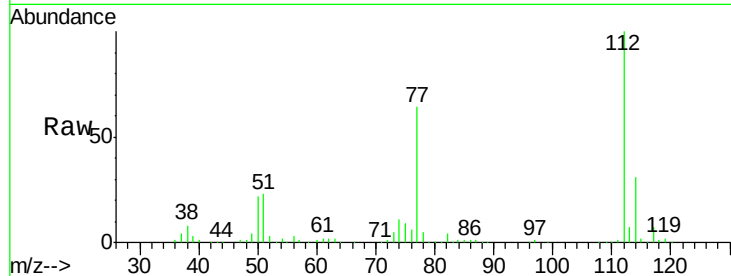
#65
Chlorobenzene
Concen: 53.868 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 353423
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7

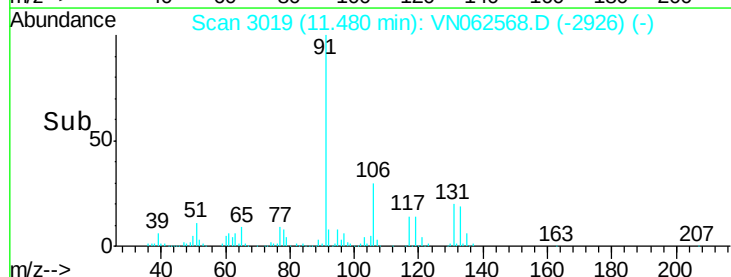
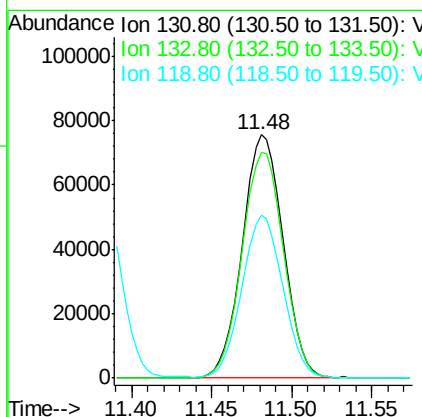
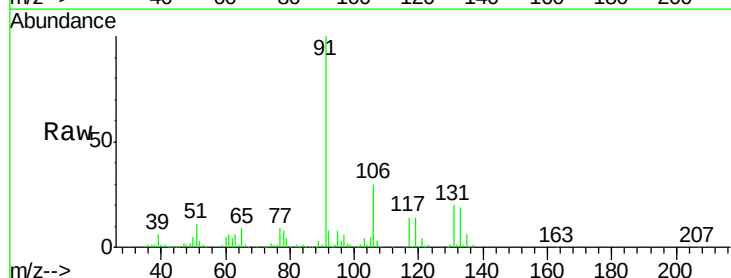
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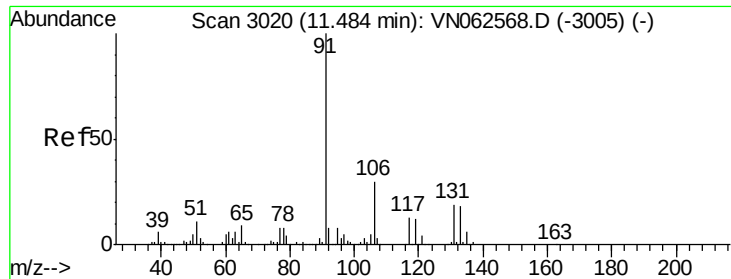
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.555 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion:131 Resp: 131969
Ion Ratio Lower Upper
131 100
133 94.7 47.3 142.0
119 67.3 33.7 101.0





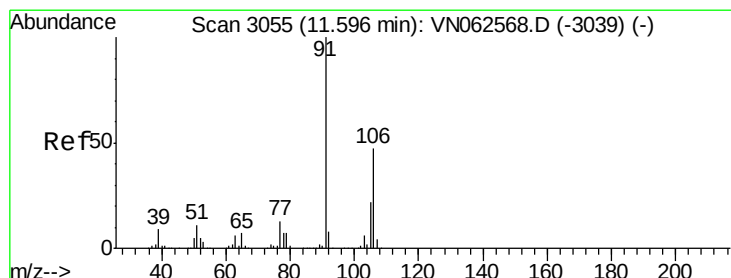
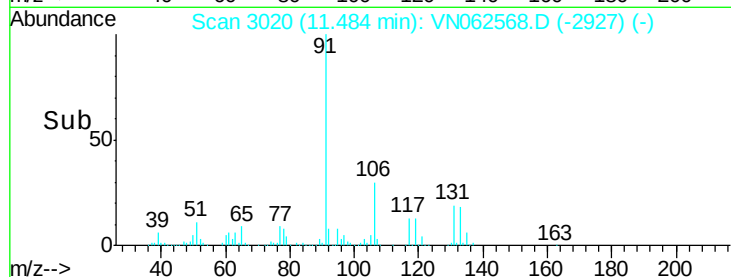
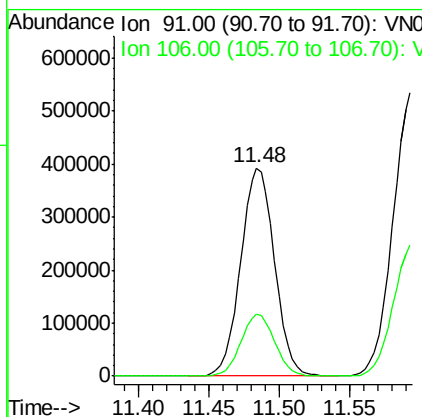
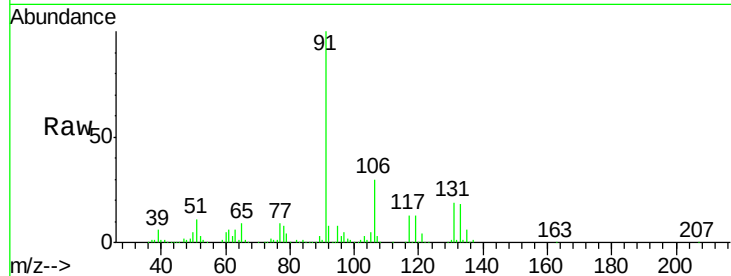
#67
Ethyl Benzene
Concen: 53.708 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 658930
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8

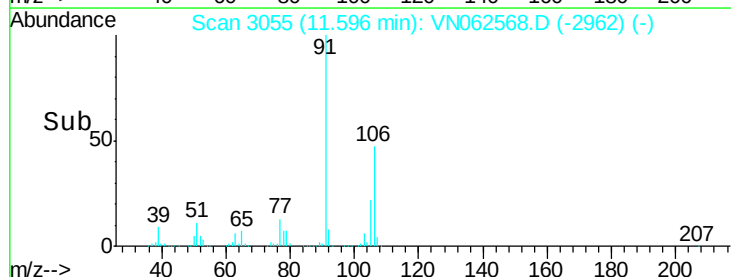
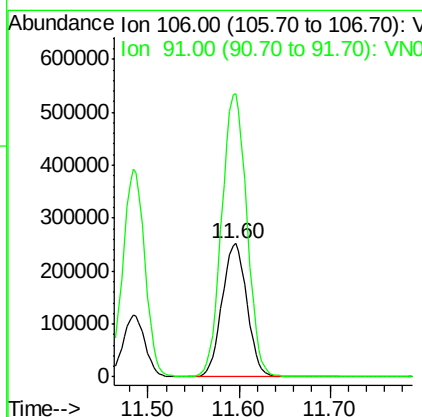
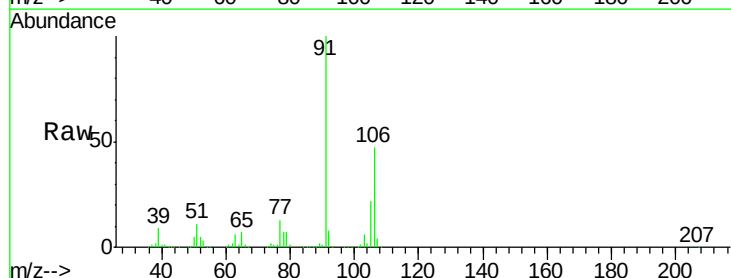
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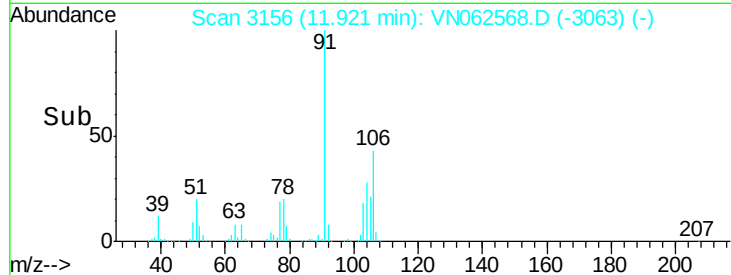
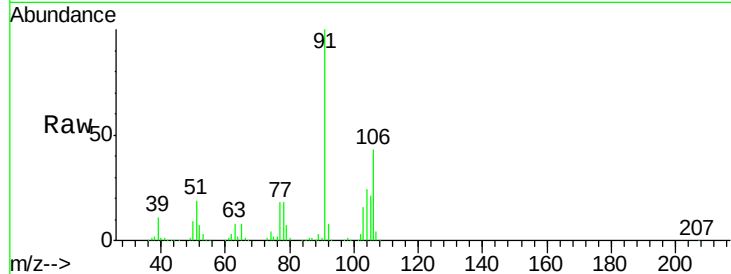
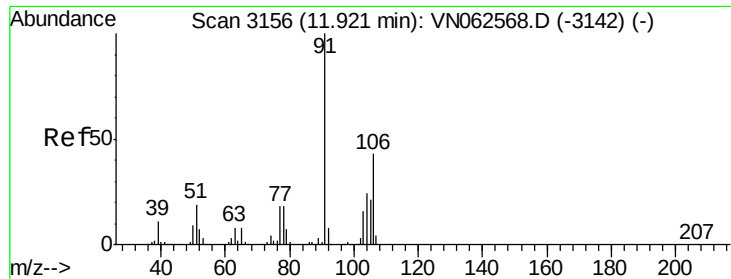
MMDadoda
7/22/2020 2:45:38 PM



#68
m/p-Xylenes
Concen: 110.031 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion: 106 Resp: 479968
Ion Ratio Lower Upper
106 100
91 214.3 171.4 257.2





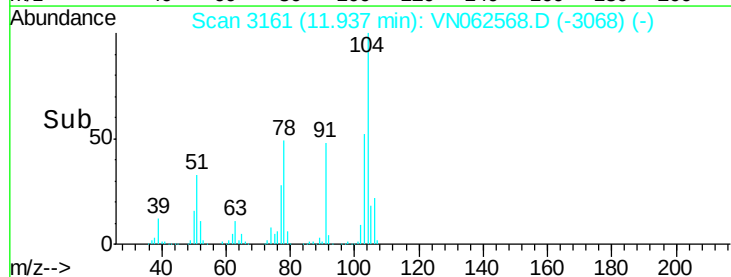
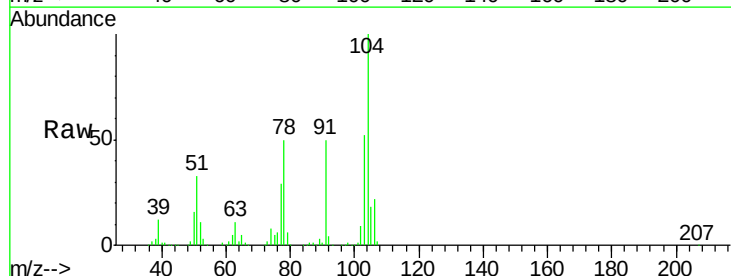
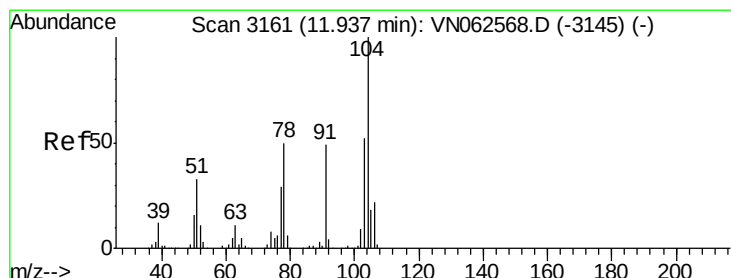
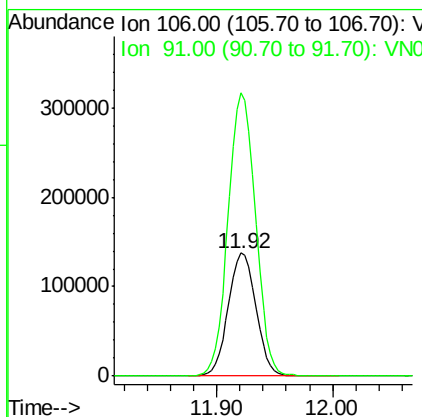
#69
o-Xylene
Concen: 53.866 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tot Ion	Ratio	Resp	Lower	Upper
106	100	228215		
91	227.5	113.8	341.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

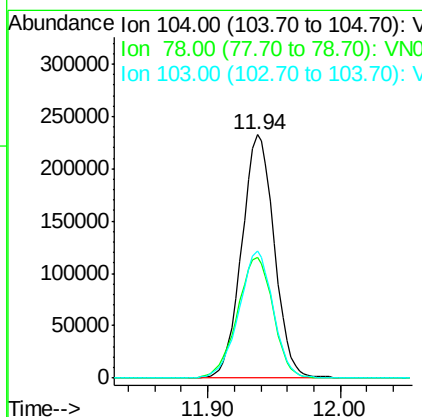
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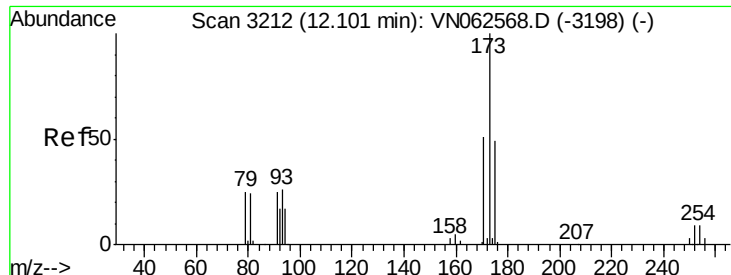
MMDadoda
7/22/2020 2:45:38 PM



#70
Styrene
Concen: 56.518 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	396135		
78	54.7	43.8	65.6	
103	55.0	44.0	66.0	





#71

Bromoform

Concen: 57.898 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 103068

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

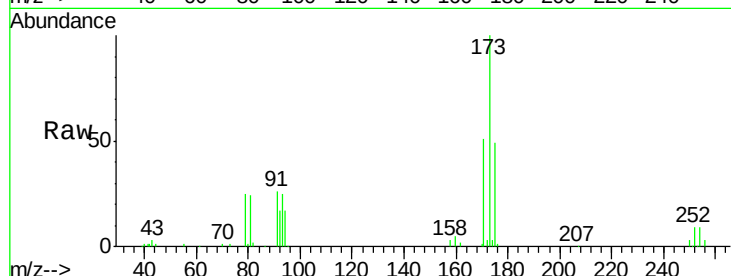
254 0.0 0.0 0.0

Manual Integrations

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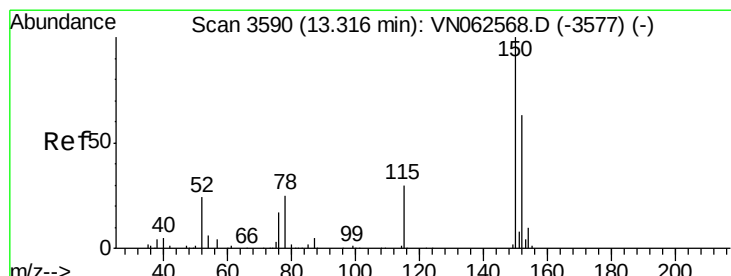
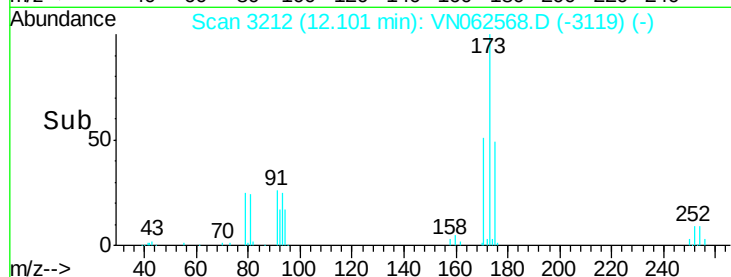
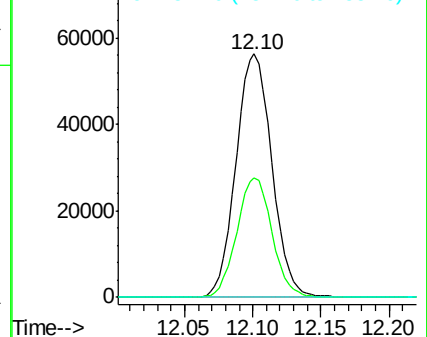
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN062568.D

Acq: 21 Jul 2020 12:45

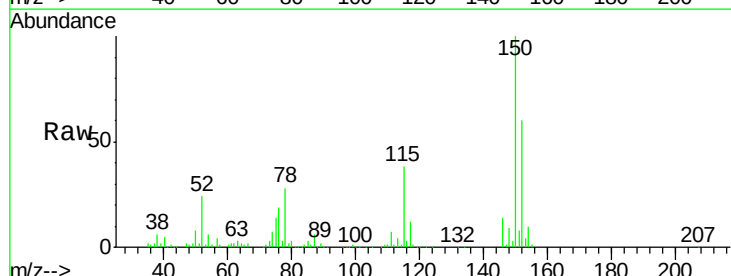
Tgt Ion:152 Resp: 157229

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

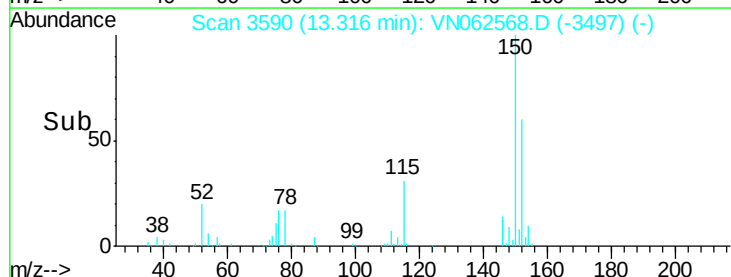
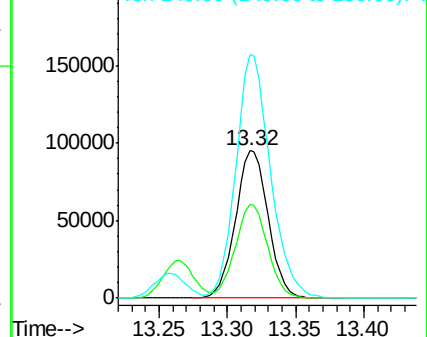
150 175.7 0.0 351.4

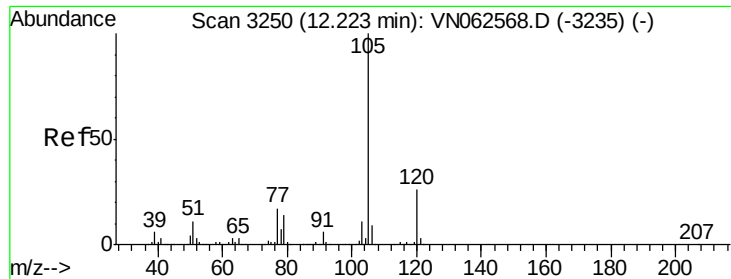


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.843 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 617216

Ion Ratio Lower Upper

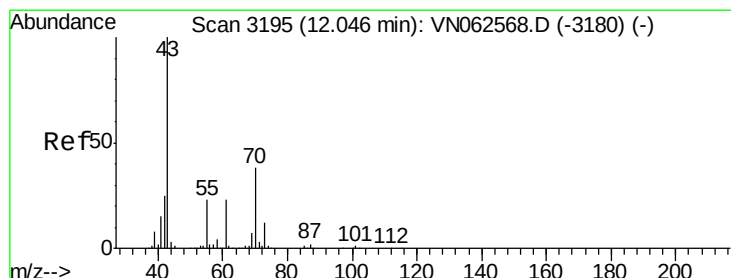
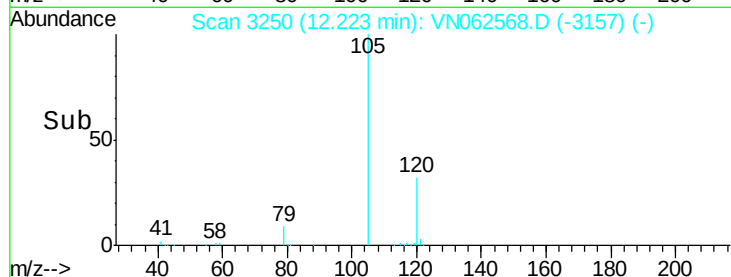
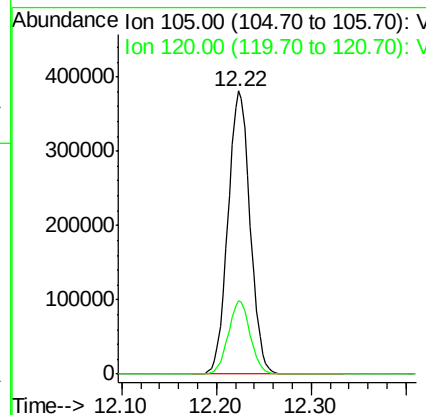
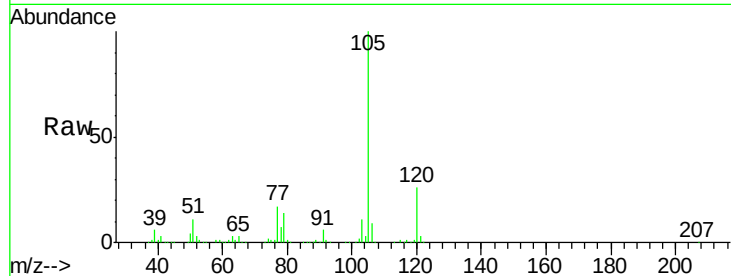
105 100

120 25.6 12.8 38.4

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#74

N-ethyl acetate

Concen: 51.998 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion: 43 Resp: 303353

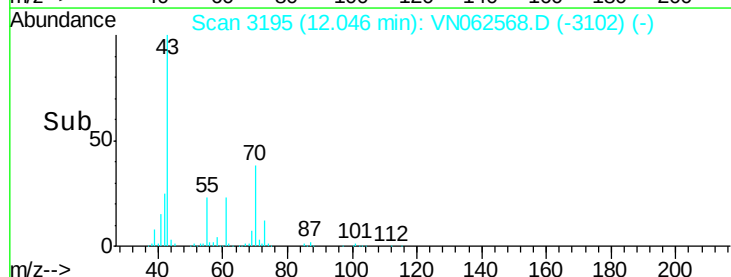
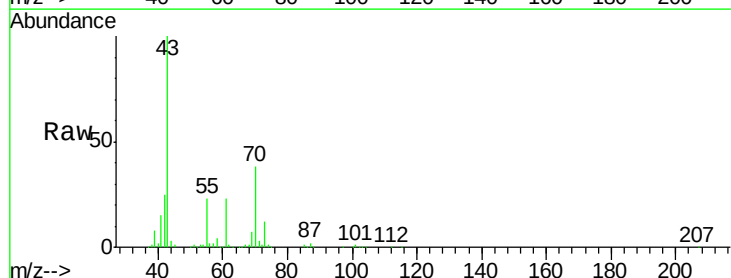
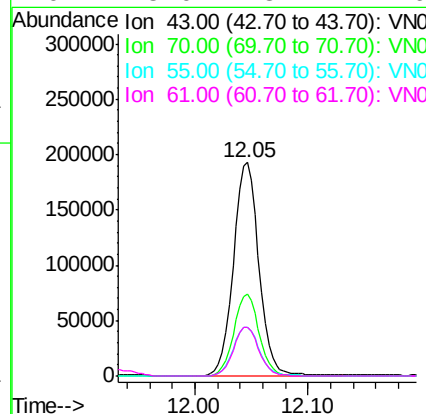
Ion Ratio Lower Upper

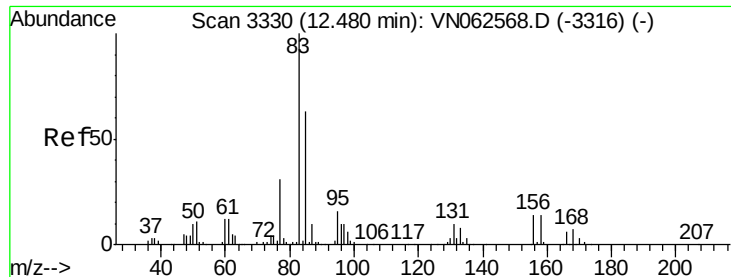
43 100

70 38.1 30.5 45.7

55 23.8 19.0 28.6

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.801 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 207178

Ion Ratio Lower Upper

83 100

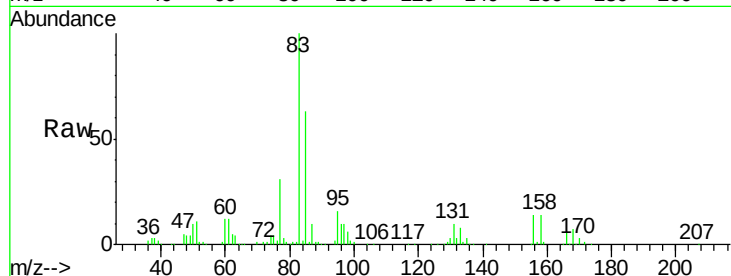
131 9.5 4.8 14.3

85 63.6 31.8 95.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062568.D (-3316) (-)

Ion 130.80 (130.50 to 131.50): VN062568.D (-3316) (-)

Ion 84.90 (84.60 to 85.60): VN062568.D (-3316) (-)

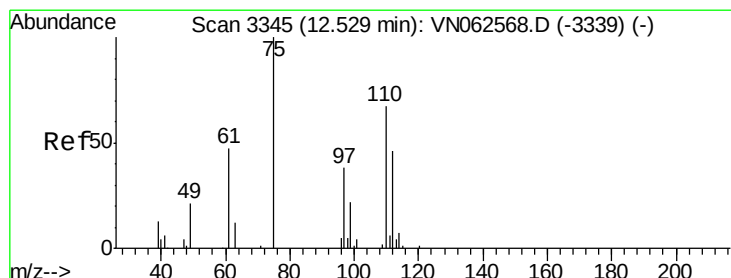
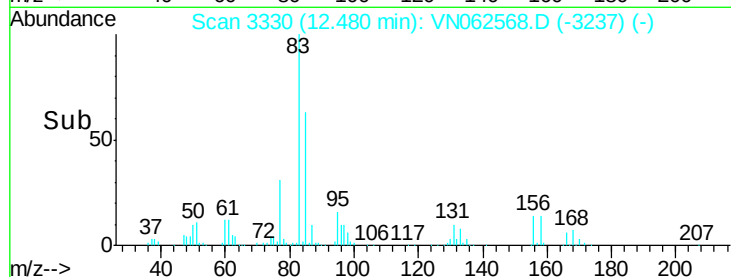
12.48

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.841 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062568.D

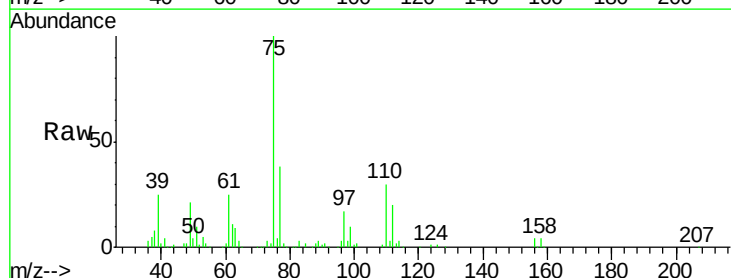
Acq: 21 Jul 2020 12:45

Tgt Ion: 75 Resp: 197898

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062568.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN062568.D (-3339) (-)

200000

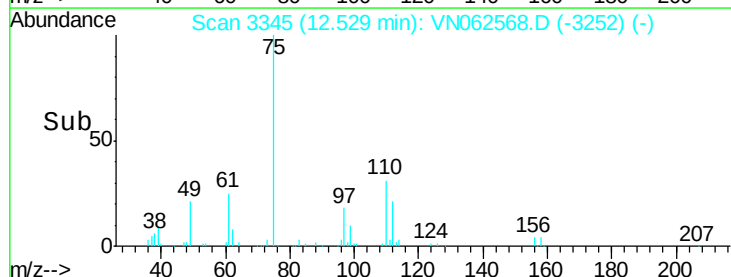
150000

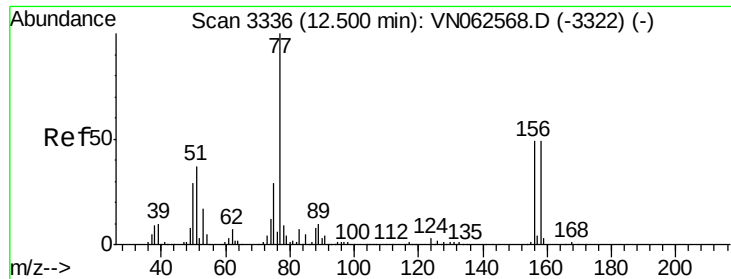
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 51.678 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

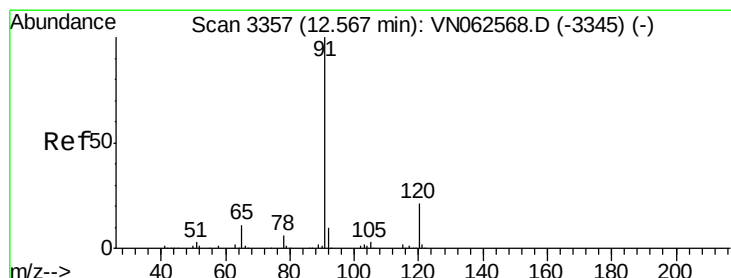
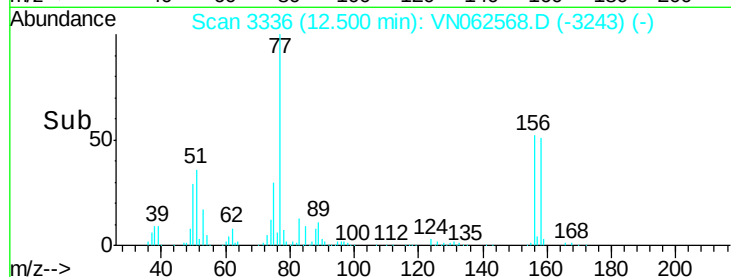
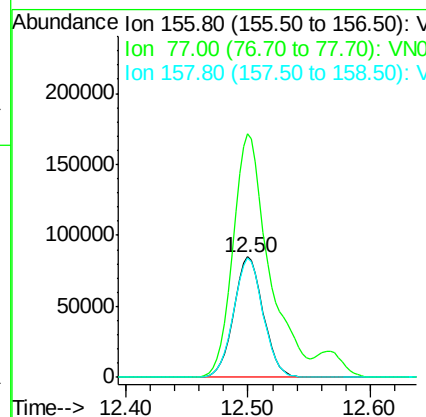
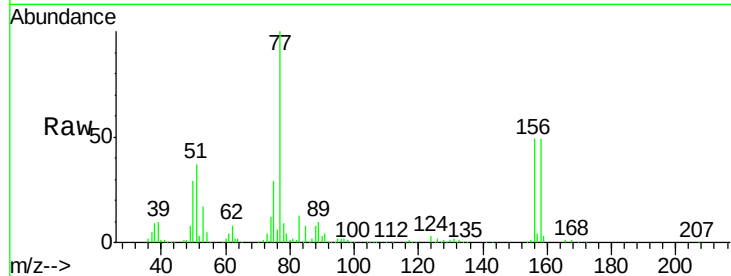
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	245.5	122.8	368.3
158	98.7	49.4	148.0

Manual Integrations
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#78

n-propylbenzene

Concen: 51.805 ug/l

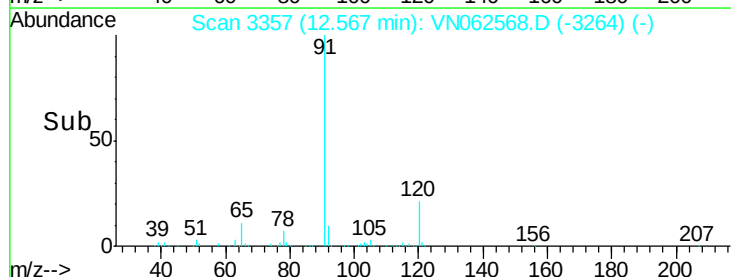
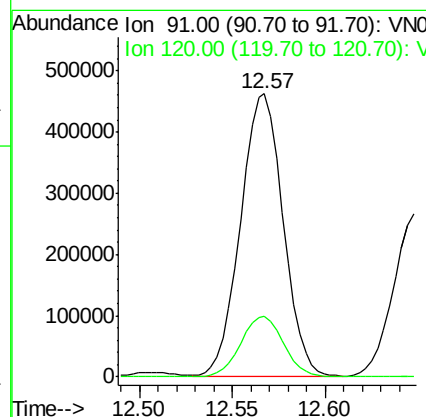
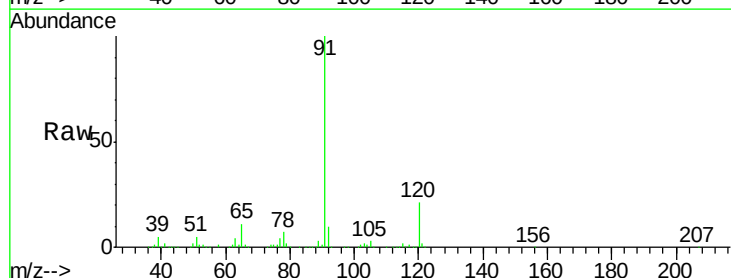
RT: 12.57 min Scan# 3357

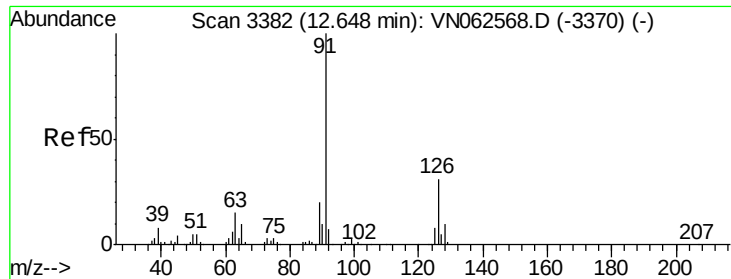
Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.6





#79

2-Chlorotoluene

Concen: 51.364 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 442442

Ion Ratio Lower Upper

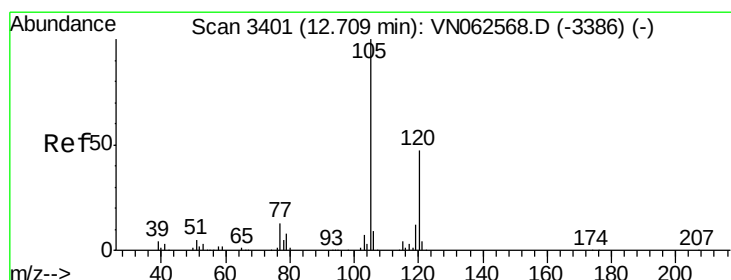
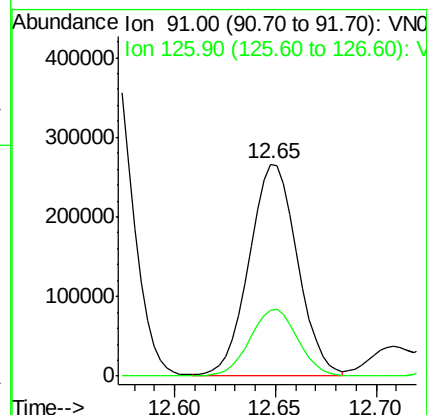
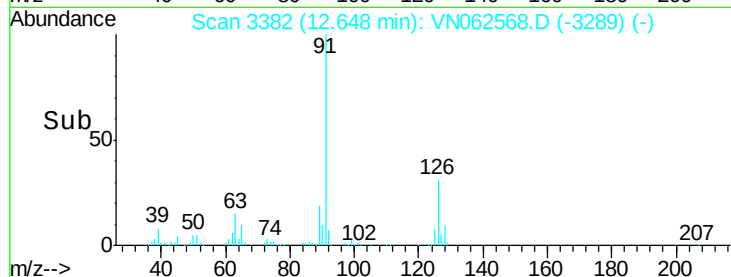
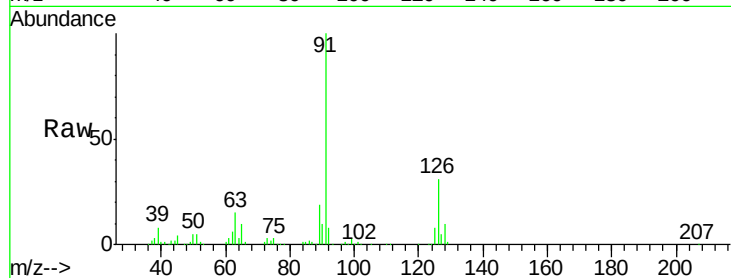
91 100

126 31.7 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 53.182 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062568.D

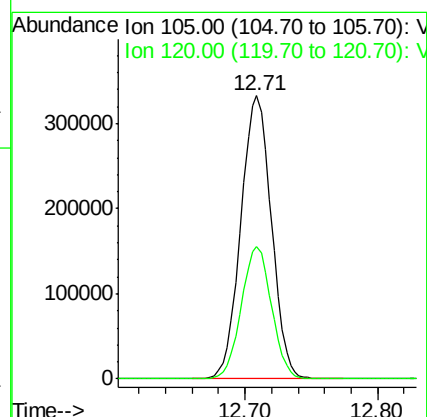
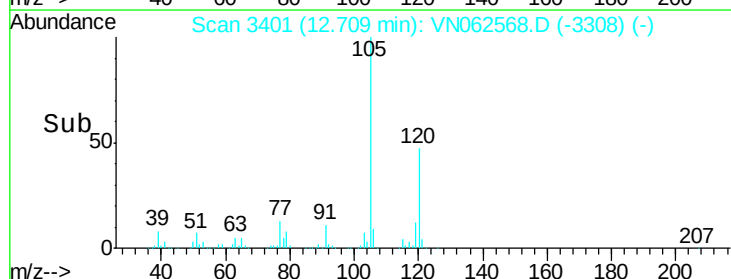
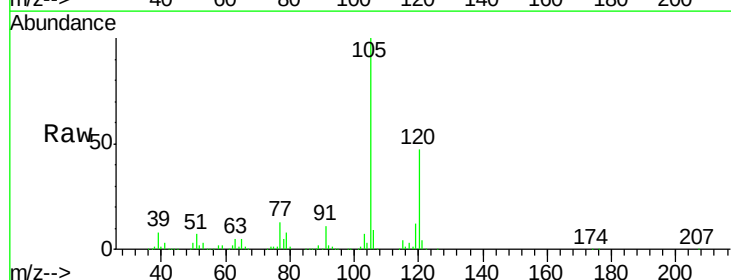
Acq: 21 Jul 2020 12:45

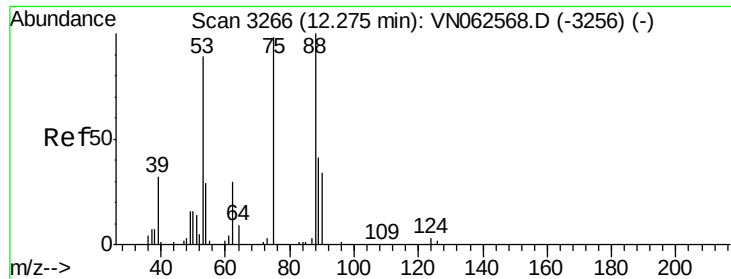
Tgt Ion: 105 Resp: 531804

Ion Ratio Lower Upper

105 100

120 46.4 23.2 69.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.482 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 72219

Ion Ratio Lower Upper

75 100

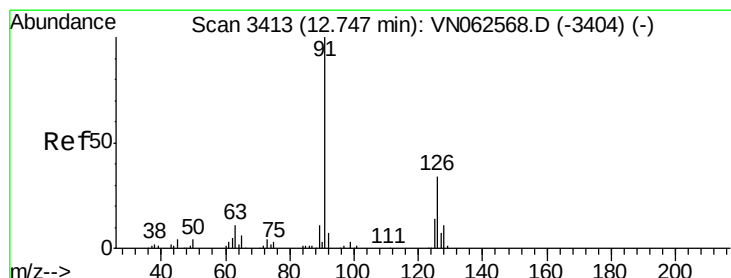
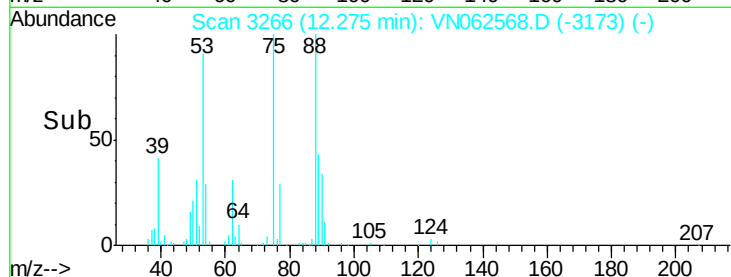
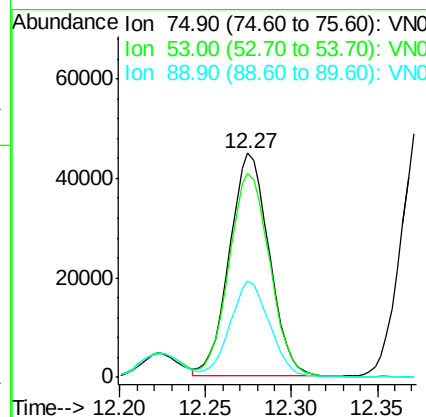
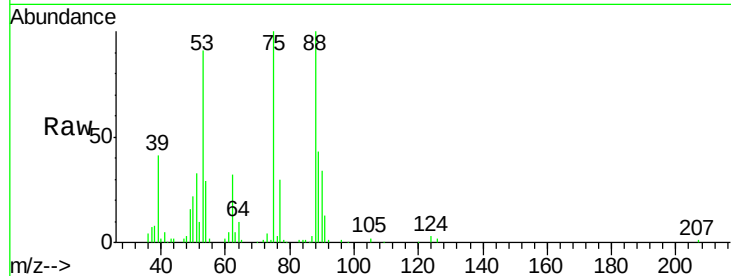
53 94.2 75.4 113.0

89 43.1 34.5 51.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.319 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062568.D

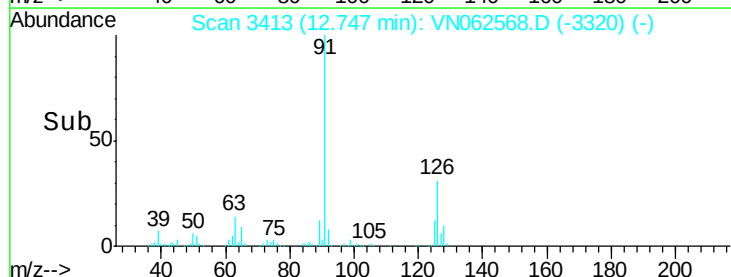
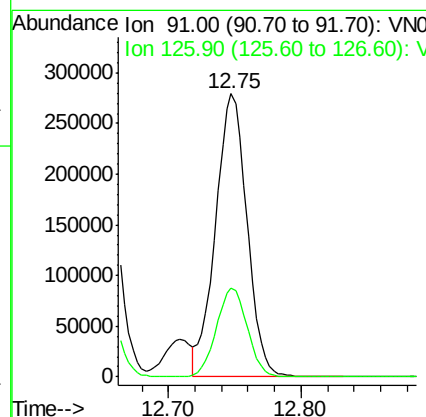
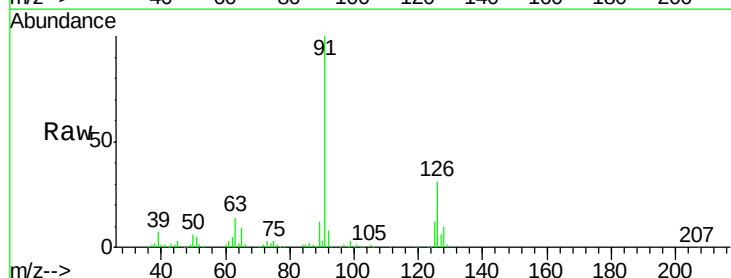
Acq: 21 Jul 2020 12:45

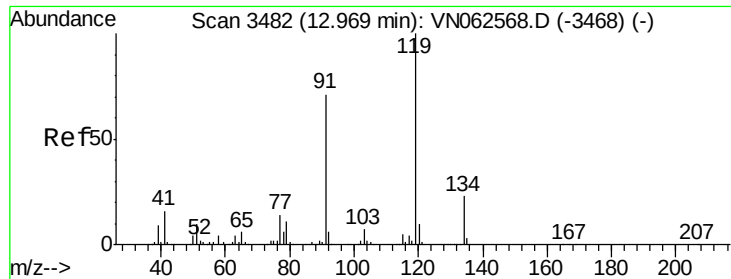
Tgt Ion: 91 Resp: 458062

Ion Ratio Lower Upper

91 100

126 30.9 15.4 46.4





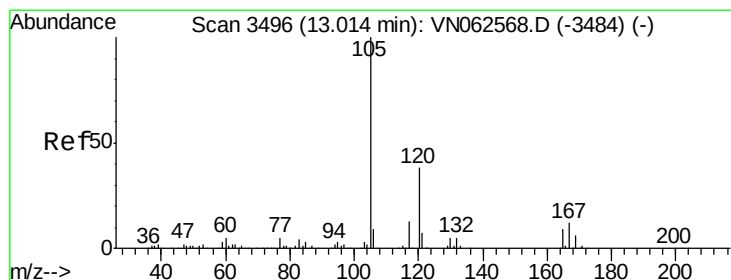
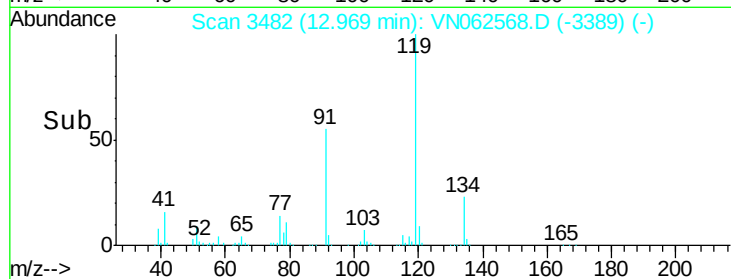
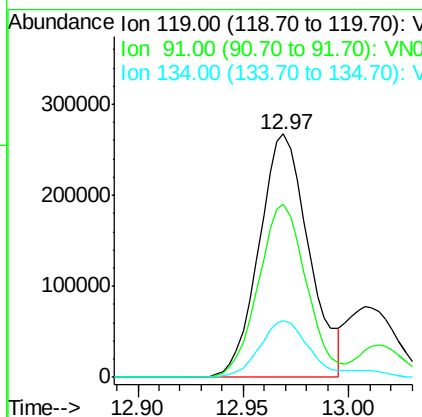
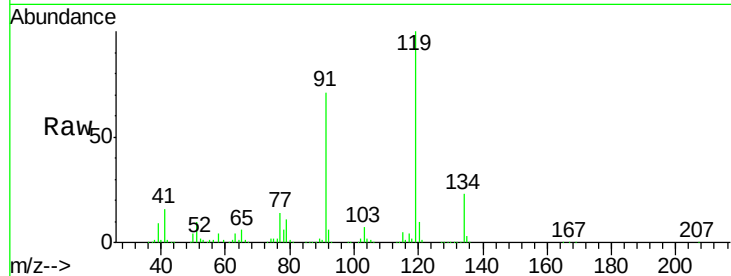
#83
 tert-Butylbenzene
 Concen: 51.904 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	34.6	103.8
134	22.9	11.5	34.4

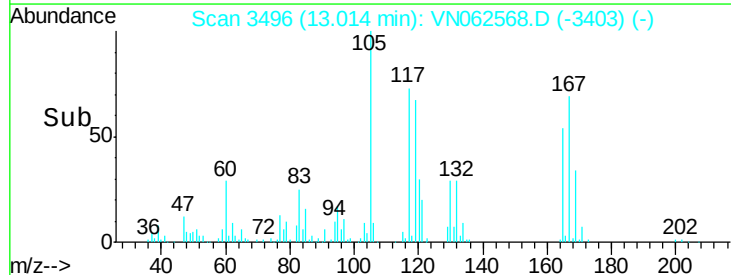
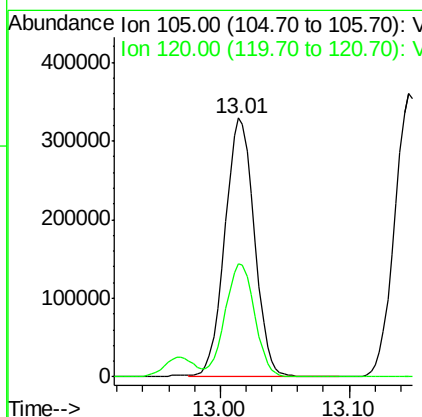
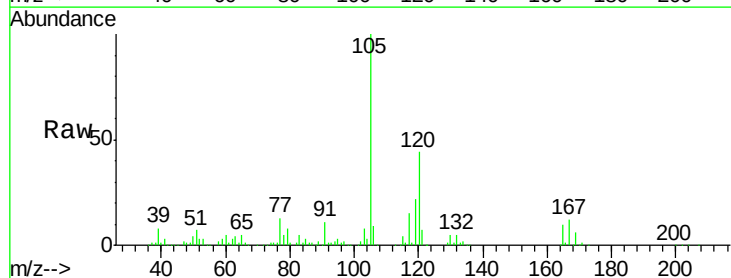
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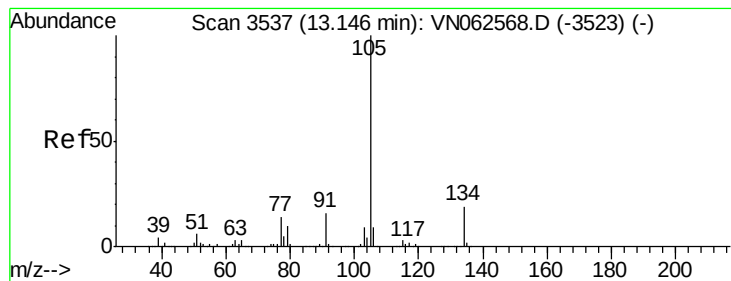
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.387 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.3





#85

sec-Butylbenzene

Concen: 51.944 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 580823

Ion Ratio Lower Upper

105 100

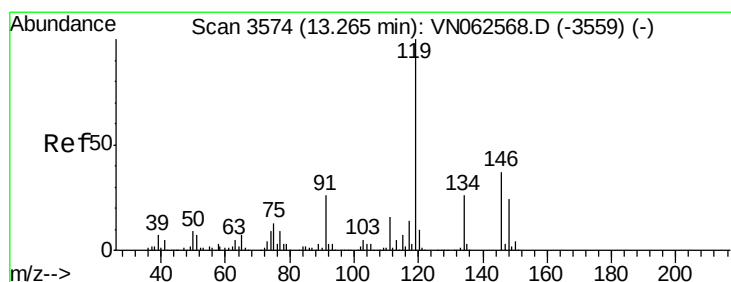
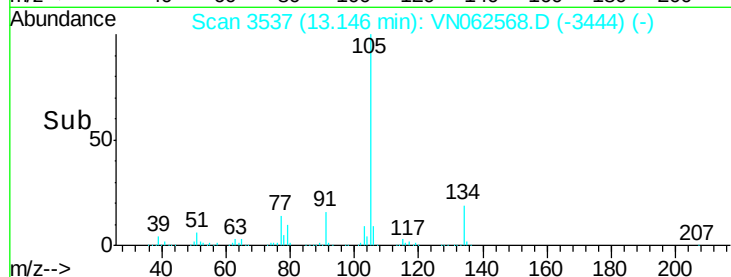
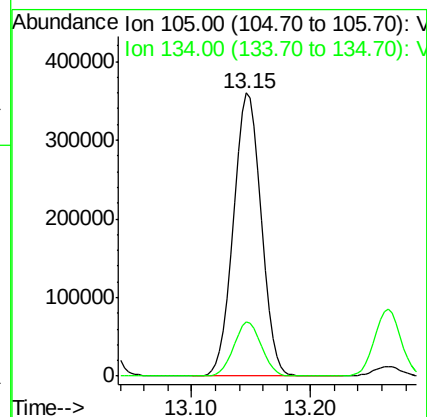
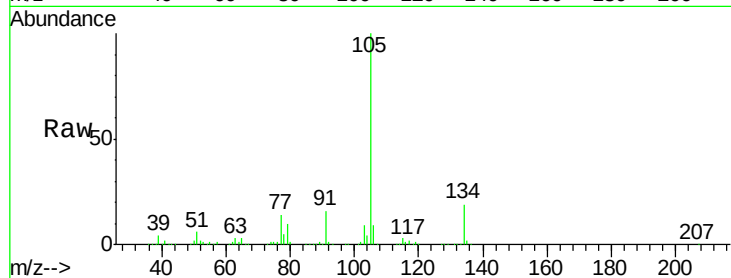
134 19.0 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 53.044 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

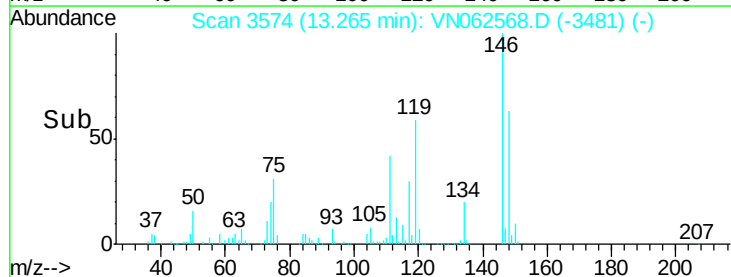
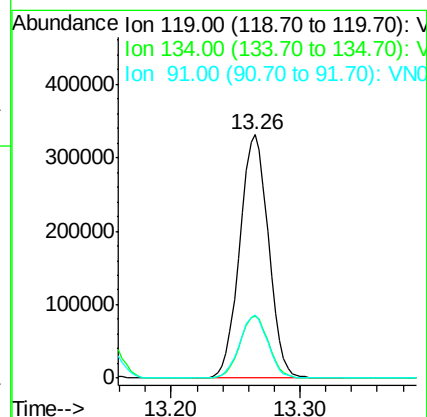
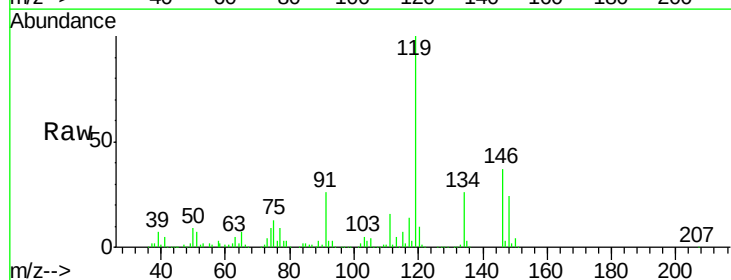
Tgt Ion:119 Resp: 511833

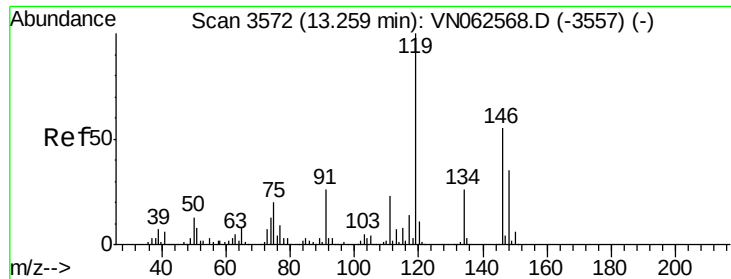
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 25.4 12.7 38.1





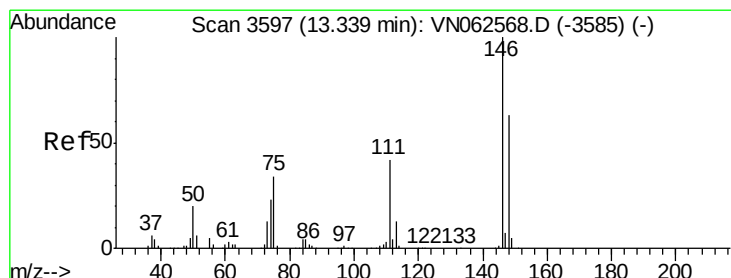
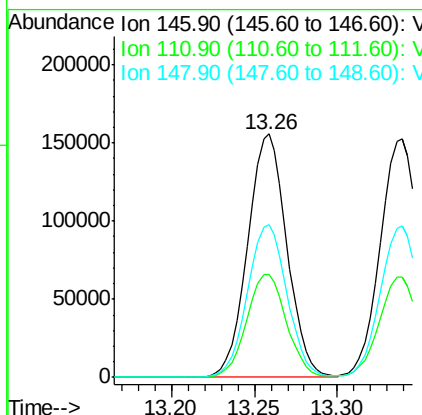
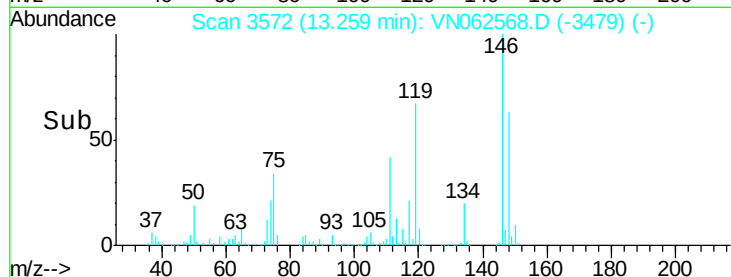
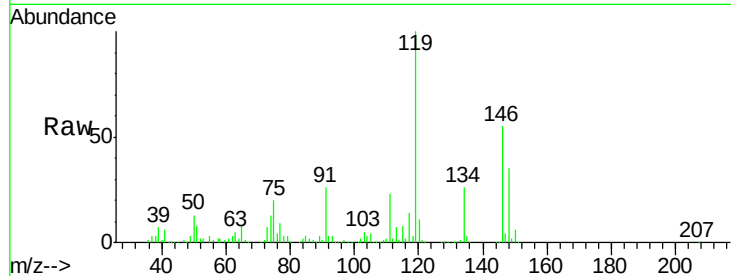
#87
 1,3-Dichlorobenzene
 Concen: 53.457 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.6	31.8	95.4

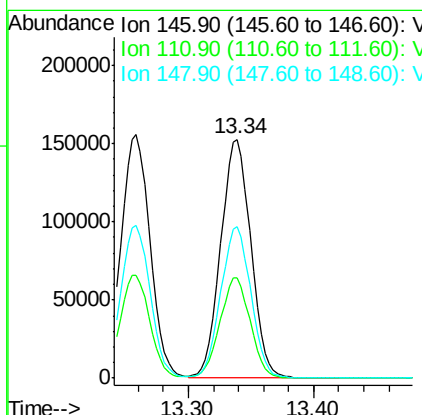
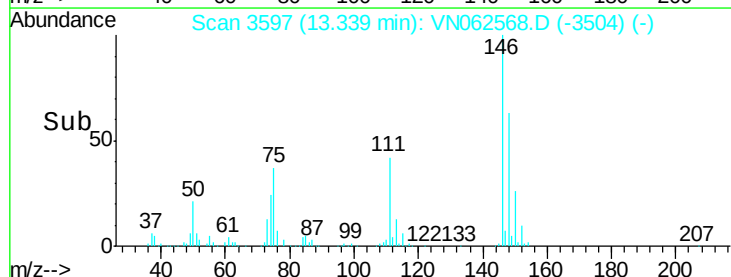
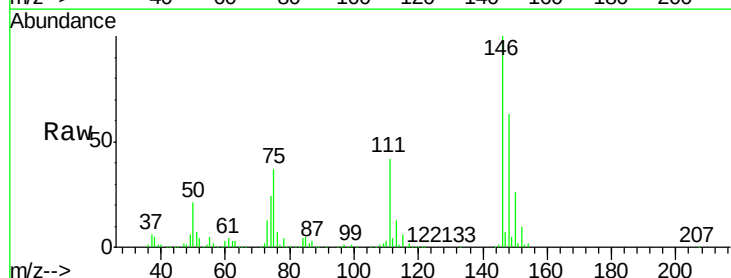
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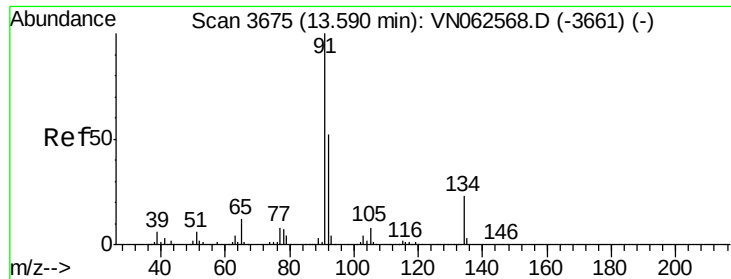
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#88
 1,4-Dichlorobenzene
 Concen: 51.807 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.1	63.1
148	63.2	31.6	94.8





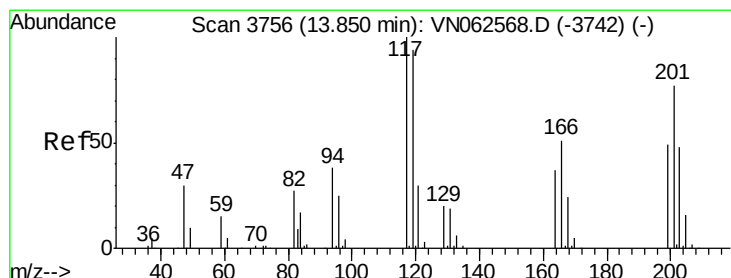
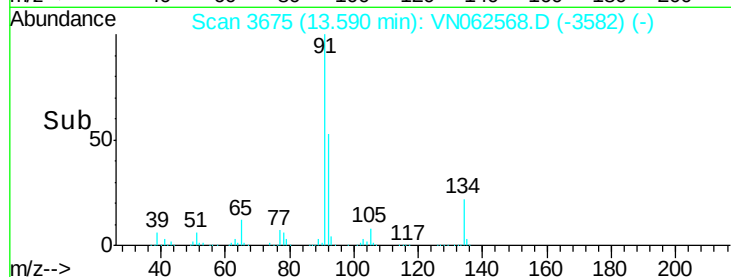
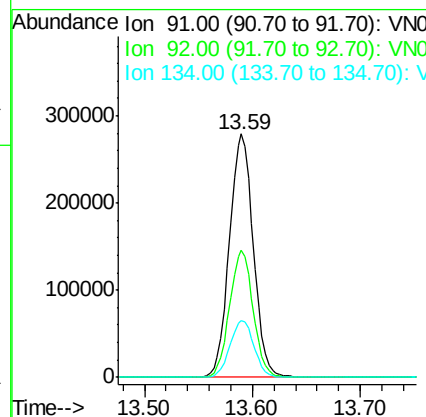
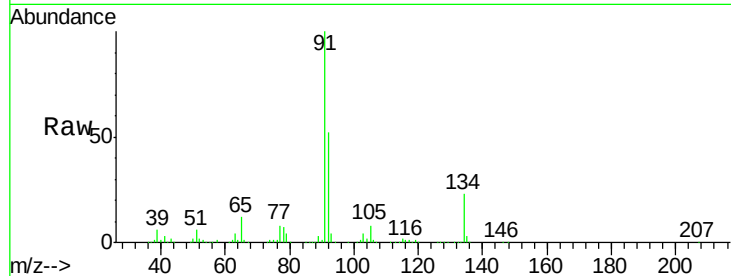
#89
n-Butylbenzene
Concen: 50.899 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.8	77.3
134	23.5	11.8	35.3

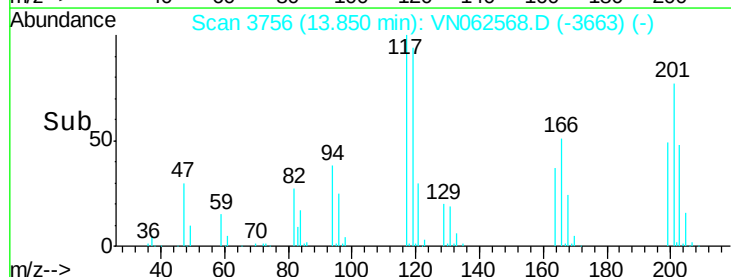
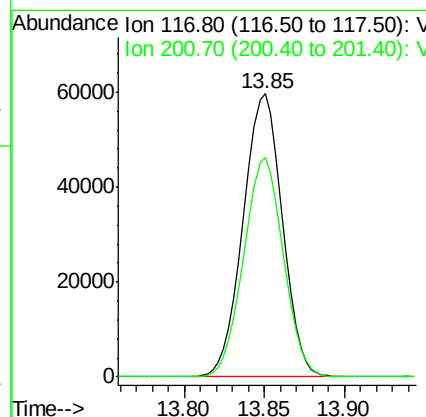
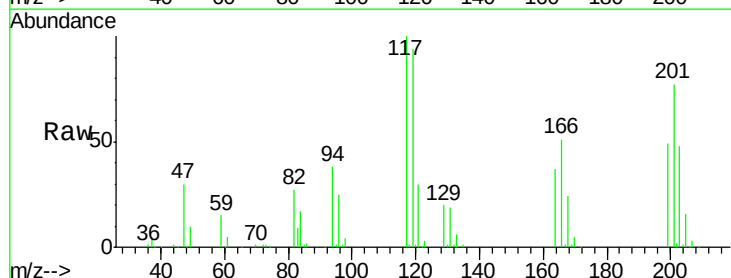
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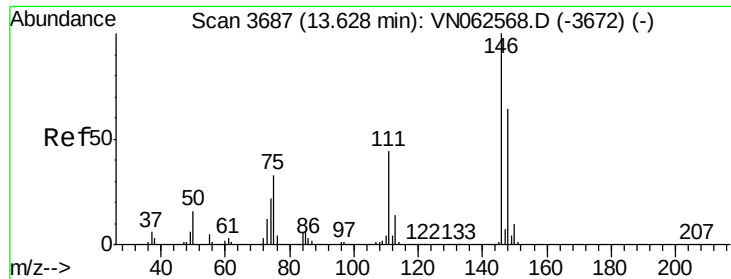
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#90
Hexachloroethane
Concen: 52.316 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062568.D
Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	39.2	117.6





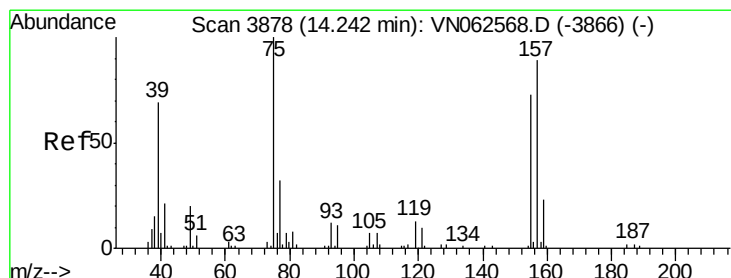
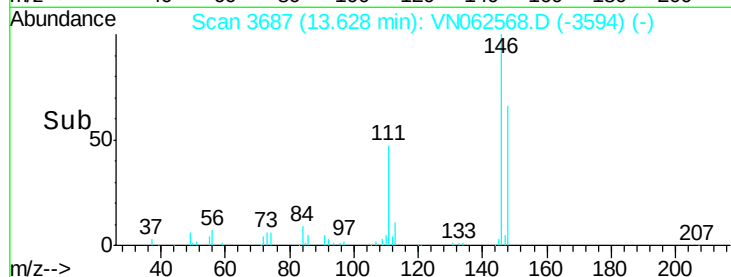
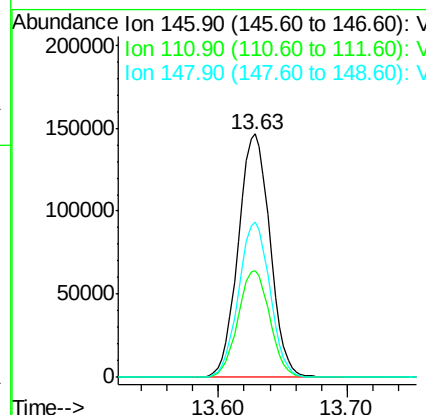
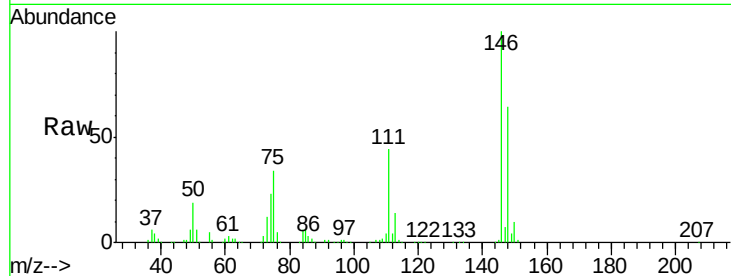
#91
 1,2-Dichlorobenzene
 Concen: 54.167 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.9	65.8
148	63.1	31.6	94.7

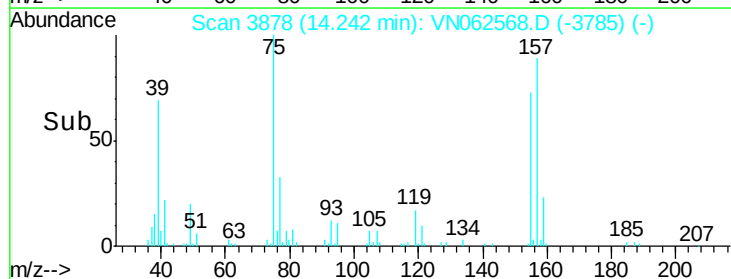
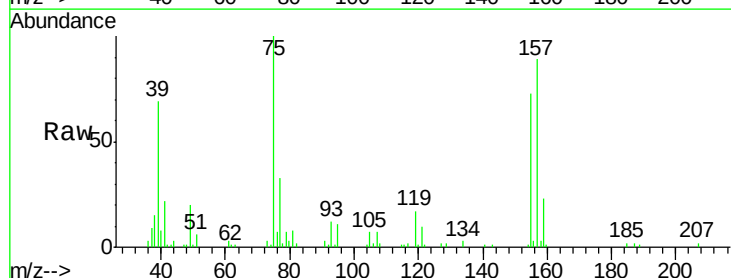
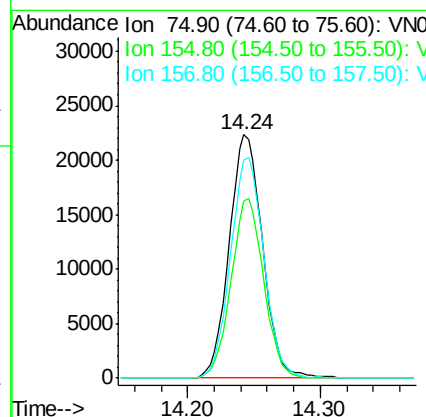
Manual Integrations
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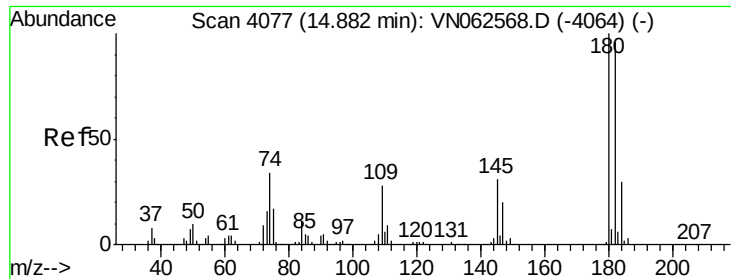
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.676 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.7	35.9	107.5
157	90.0	45.0	135.0





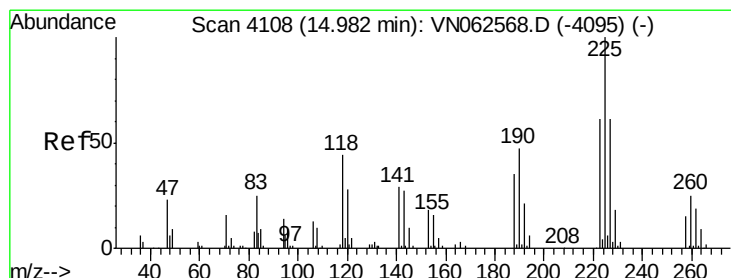
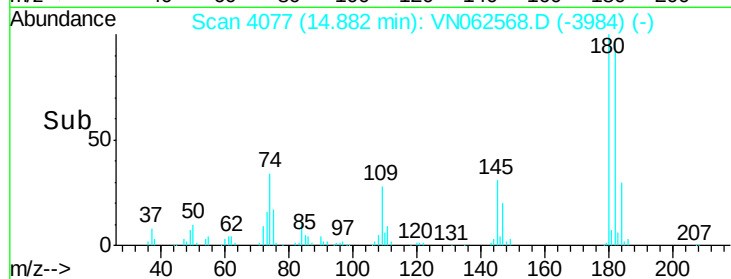
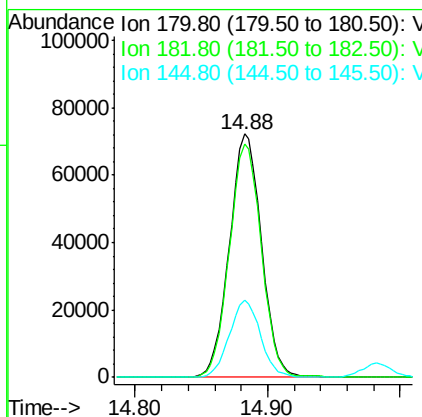
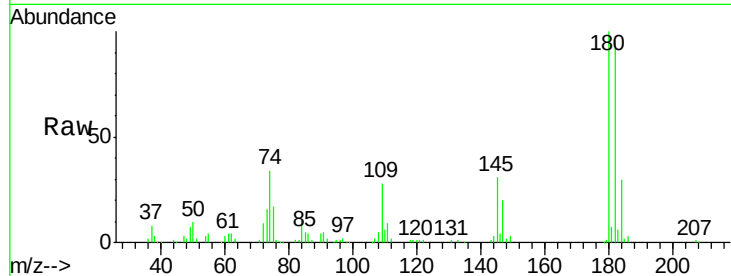
#93
 1,2,4-Trichlorobenzene
 Concen: 58.451 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.8	143.3
145	30.6	15.3	45.9

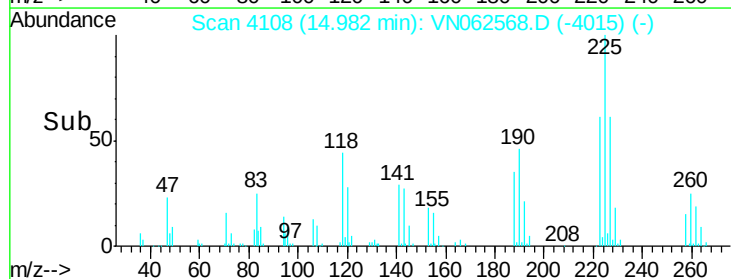
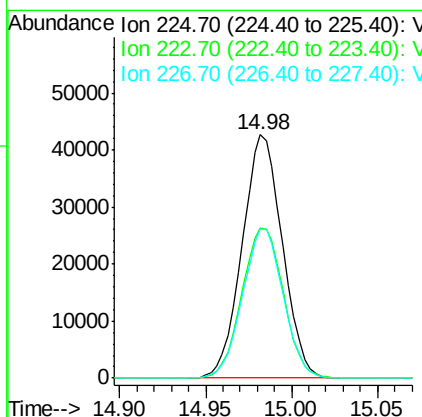
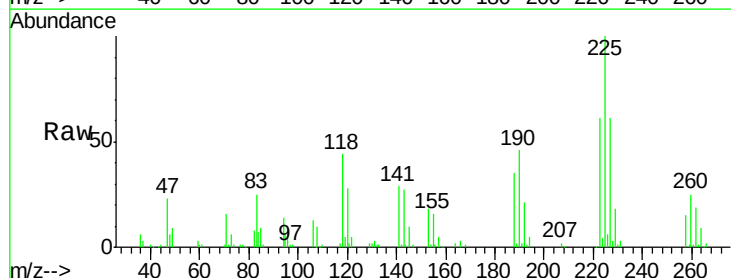
Manual Integrations
 APPROVED

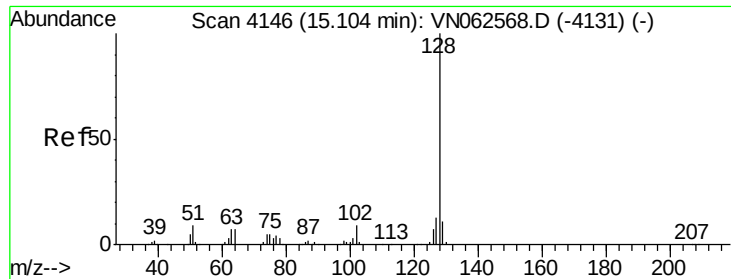
MMDadoda
 7/22/2020 2:45:38 PM



#94
 Hexachlorobutadiene
 Concen: 55.687 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062568.D
 Acq: 21 Jul 2020 12:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	32.0	96.0
227	62.1	31.1	93.2





#95

Naphthalene

Concen: 54.832 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Instrument :

MSVOA_N

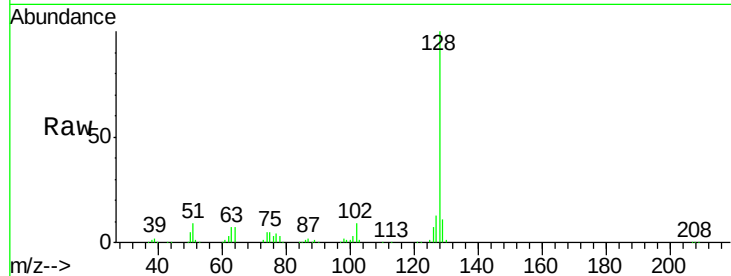
ClientSampleId :

VSTDICCC050

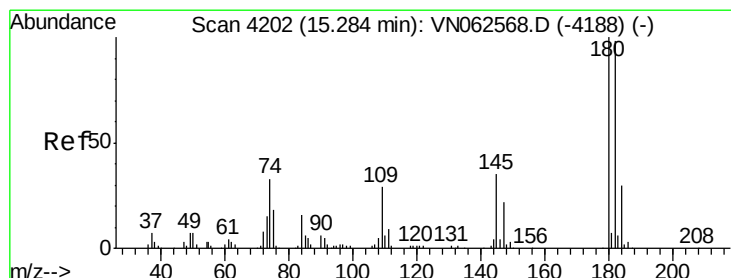
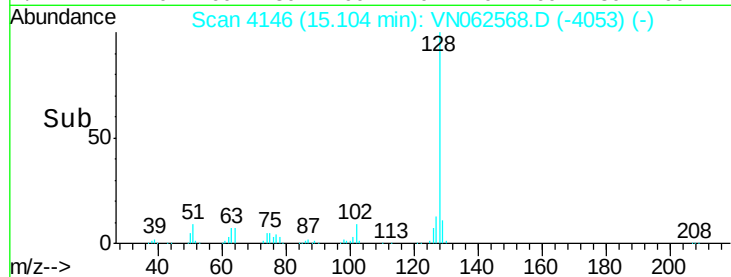
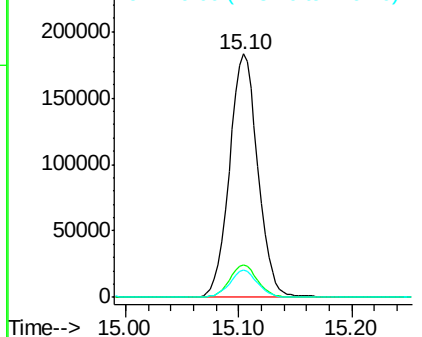
Tot Ion:	128	Resp:	318974
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:45:38 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 55.836 ug/l

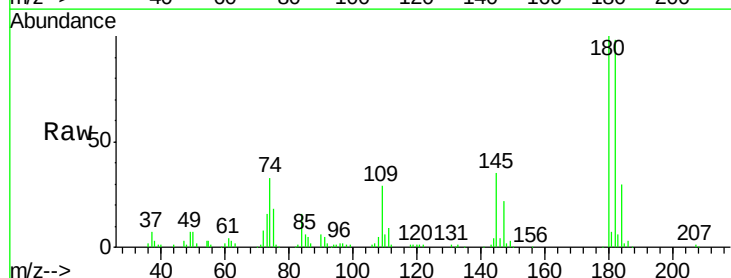
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062568.D

Acq: 21 Jul 2020 12:45

Tgt Ion:	180	Resp:	120709
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.1	144.3
145	33.4	16.7	50.1



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

