

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072120\
 Data File : VN062567.D
 Acq On : 21 Jul 2020 12:21
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
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 7/22/2020 2:45:36 PM

Quant Time: Jul 21 13:29:09 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	204051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	336995	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	312204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138451	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	60787	19.40	ug/l	0.00
Spiked Amount			Recovery	=	38.80%	
35) Dibromofluoromethane	7.55	113	42627	20.37	ug/l	0.00
Spiked Amount			Recovery	=	40.74%	
50) Toluene-d8	10.06	98	172675	20.88	ug/l	0.00
Spiked Amount			Recovery	=	41.76%	
62) 4-Bromofluorobenzene	12.38	95	60237	19.86	ug/l	0.00
Spiked Amount			Recovery	=	39.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	47877	22.742	ug/l	99
3) Chloromethane	2.04	50	63385	19.191	ug/l	98
4) Vinyl Chloride	2.16	62	58022	21.218	ug/l	99
5) Bromomethane	2.53	94	25296	17.921	ug/l	92
6) Chloroethane	2.67	64	26097	17.023	ug/l	99
7) Trichlorofluoromethane	2.99	101	68459	19.874	ug/l	98
8) Diethyl Ether	3.37	74	32056	20.711	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	44969	21.914	ug/l	99
10) Methyl Iodide	3.91	142	53870	19.993	ug/l	99
11) Tert butyl alcohol	4.74	59	50037	97.204	ug/l	98
12) 1,1-Dichloroethene	3.70	96	44111	21.065	ug/l	97
13) Acrolein	3.57	56	48751	119.500	ug/l	97
14) Allyl chloride	4.28	41	95413	19.612	ug/l	99
15) Acrylonitrile	4.93	53	138047	102.009	ug/l	99
16) Acetone	3.78	43	117909	90.029	ug/l	100
17) Carbon Disulfide	4.01	76	141303	21.401	ug/l	99
18) Methyl Acetate	4.28	43	58494	17.911	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	162235	20.445	ug/l	98
20) Methylene Chloride	4.50	84	55149	19.353	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	49462	21.809	ug/l	95
22) Diisopropyl ether	5.90	45	196754	20.464	ug/l	95
23) Vinyl Acetate	5.84	43	802054	100.699	ug/l	100
24) 1,1-Dichloroethane	5.80	63	104447	20.894	ug/l	100
25) 2-Butanone	6.79	43	189252	98.832	ug/l	100
26) 2,2-Dichloropropane	6.78	77	83432	21.531	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	56145	21.357	ug/l	100
28) Bromochloromethane	7.15	49	47718	17.697	ug/l	98
29) Tetrahydrofuran	7.17	42	129343	100.106	ug/l	98
30) Chloroform	7.33	83	98373	21.665	ug/l	99
31) Cyclohexane	7.62	56	92310	19.564	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	82502	21.784	ug/l	100
36) 1,1-Dichloropropene	7.75	75	73394	21.636	ug/l	99
37) Ethyl Acetate	6.88	43	81634	20.696	ug/l	99
38) Carbon Tetrachloride	7.74	117	71768	23.157	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	77636	21.449	ug/l	98
40) Benzene	8.00	78	223751	22.243	ug/l	100
41) Methacrylonitrile	7.12	41	26748	16.544	ug/l #	84
42) 1,2-Dichloroethane	8.09	62	81897	22.236	ug/l	100
43) Isopropyl Acetate	8.13	43	128130	20.555	ug/l #	91
44) Trichloroethene	8.80	130	50480	22.535	ug/l	98
45) 1,2-Dichloropropane	9.09	63	62075	21.386	ug/l	100
46) Dibromomethane	9.18	93	36884	22.370	ug/l	99
47) Bromodichloromethane	9.37	83	78368	22.287	ug/l	99
48) Methyl methacrylate	9.17	41	59867	19.672	ug/l	98
49) 1,4-Dioxane	9.17	88	19448	433.910	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	387776	104.330	ug/l	99
52) Toluene	10.12	92	130973	22.430	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	86724	21.949	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	94275	21.674	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	50886	22.324	ug/l	99
56) Ethyl methacrylate	10.40	69	79486	20.933	ug/l	99
57) 1,3-Dichloropropane	10.68	76	94071	22.316	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	105049	80.264	ug/l	99
59) 2-Hexanone	10.72	43	277179	102.623	ug/l	100
60) Dibromochloromethane	10.87	129	57262	22.951	ug/l	98
61) 1,2-Dibromoethane	10.98	107	51759	22.318	ug/l	96
64) Tetrachloroethene	10.60	164	42287	22.679	ug/l	95
65) Chlorobenzene	11.41	112	133433	21.921	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	50589	22.541	ug/l	99
67) Ethyl Benzene	11.48	91	244326	21.465	ug/l	99
68) m/p-Xylenes	11.60	106	178525	44.112	ug/l	100
69) o-Xylene	11.92	106	85304	21.702	ug/l	99
70) Styrene	11.94	104	144311	22.192	ug/l	99
71) Bromoform	12.10	173	37685	22.817	ug/l #	98
73) Isopropylbenzene	12.22	105	230313	21.545	ug/l	99
74) N-amyl acetate	12.05	43	103625	20.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	76812	21.389	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	69475m	20.269	ug/l	
77) Bromobenzene	12.50	156	53490	21.922	ug/l	99
78) n-propylbenzene	12.57	91	268099	21.517	ug/l	100
79) 2-Chlorotoluene	12.65	91	164112	21.636	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	192809	21.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25039	19.876	ug/l	95
82) 4-Chlorotoluene	12.75	91	167032	21.665	ug/l	100
83) tert-Butylbenzene	12.97	119	156400	21.009	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	186230	21.341	ug/l	99
85) sec-Butylbenzene	13.15	105	212933	21.626	ug/l	100
86) p-Isopropyltoluene	13.27	119	183984	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	92297	21.933	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	90494	20.939	ug/l	98
89) n-Butylbenzene	13.59	91	143772	19.253	ug/l	98
90) Hexachloroethane	13.85	117	37898	22.609	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	90217	22.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	13976	21.374	ug/l	98

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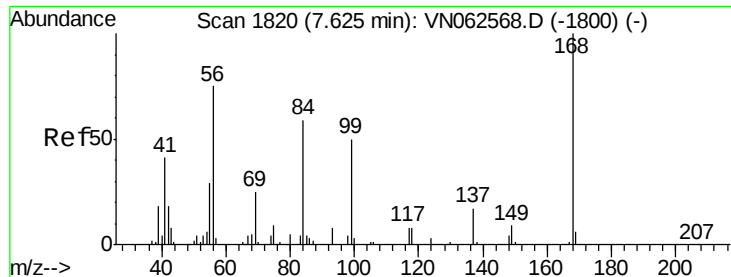
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	40887	22.348	ug/l	96
94) Hexachlorobutadiene	14.98	225	24823	22.718	ug/l	96
95) Naphthalene	15.10	128	99323	19.389	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	40036	21.031	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 204051

Ion Ratio Lower Upper

168 100

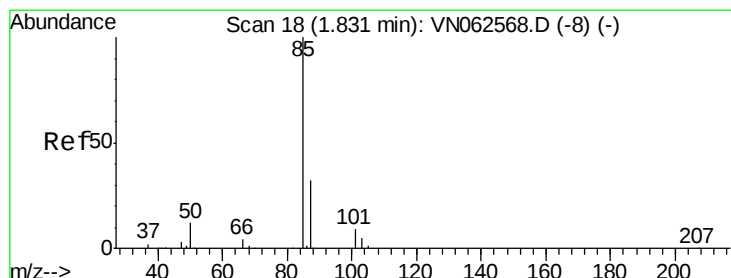
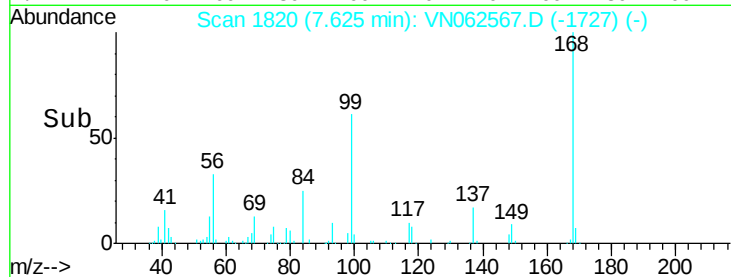
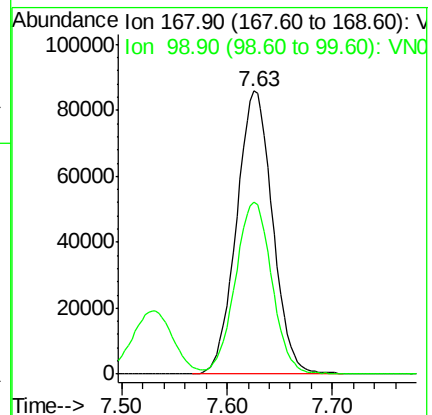
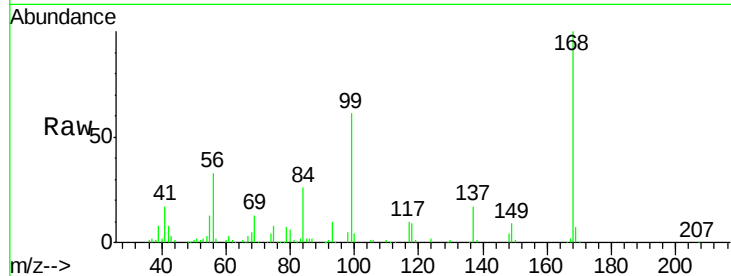
99 60.6 48.4 72.6

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#2

Dichlorodifluoromethane

Concen: 22.742 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062567.D

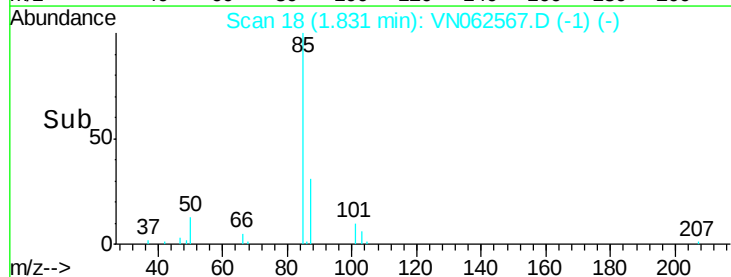
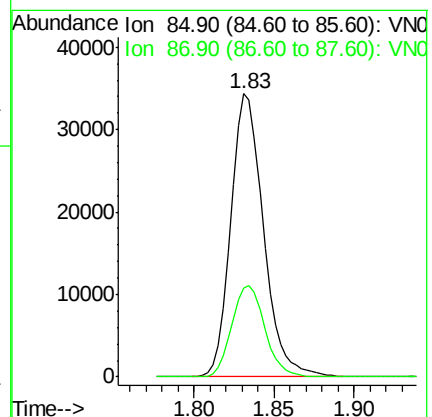
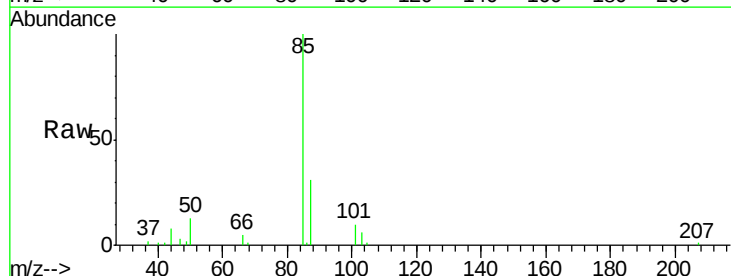
Acq: 21 Jul 2020 12:21

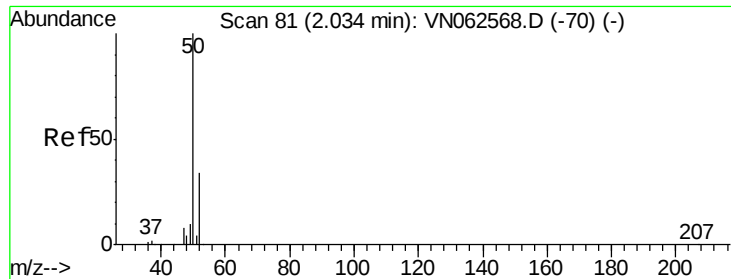
Tgt Ion: 85 Resp: 47877

Ion Ratio Lower Upper

85 100

87 31.3 16.0 48.0





#3

Chloromethane

Concen: 19.191 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 50 Resp: 63385

Ion Ratio Lower Upper

50 100

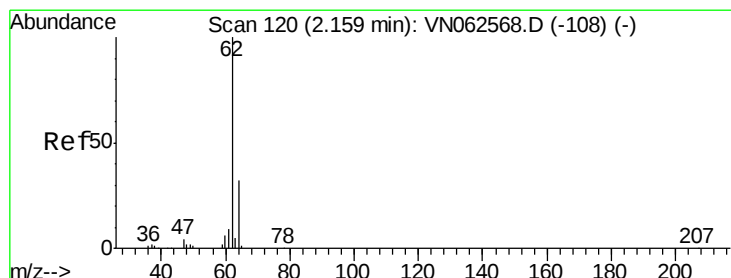
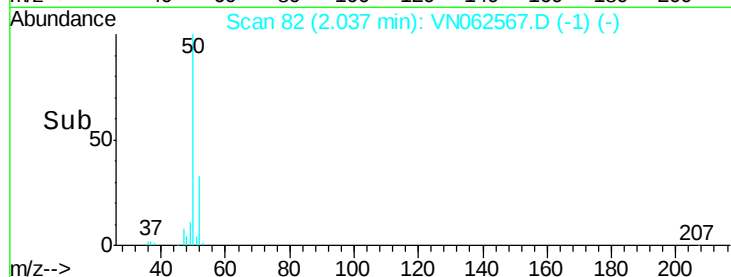
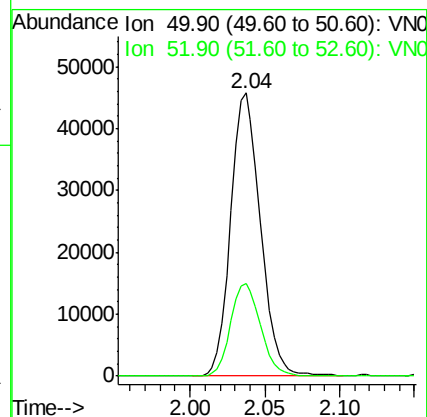
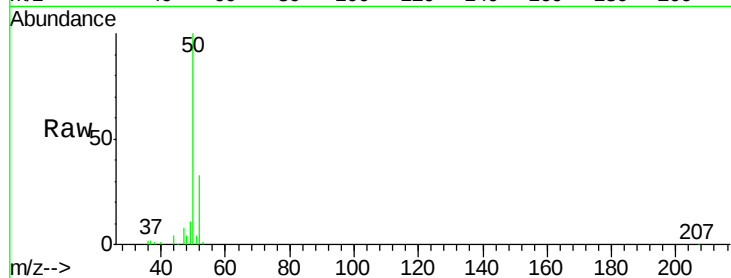
52 32.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 21.218 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062567.D

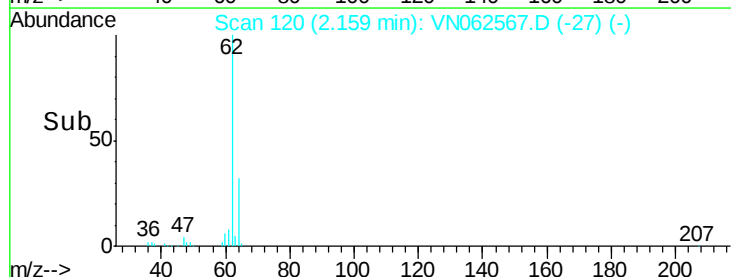
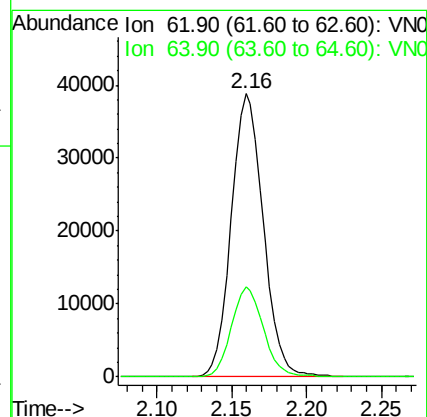
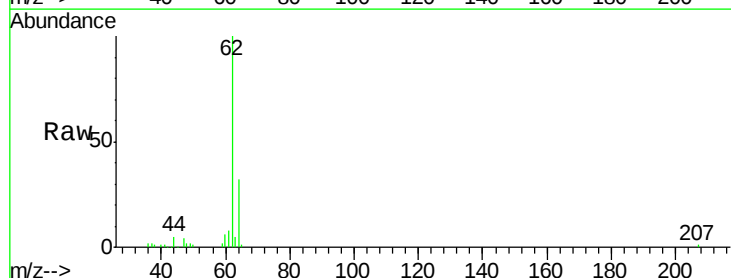
Acq: 21 Jul 2020 12:21

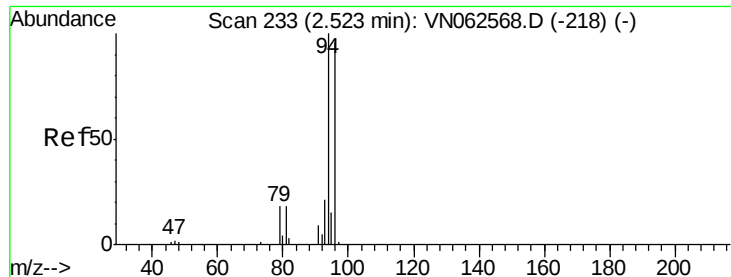
Tgt Ion: 62 Resp: 58022

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 17.921 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 25296

Ion Ratio Lower Upper

94 100

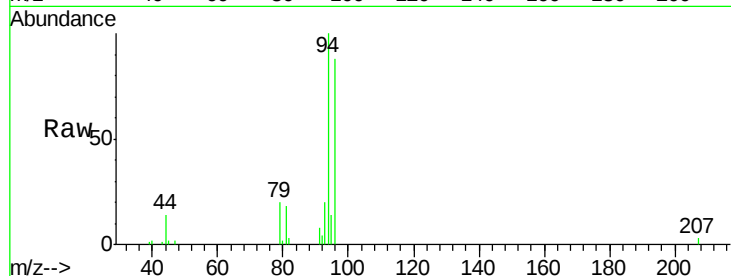
96 88.3 76.6 114.8

Manual Integrations

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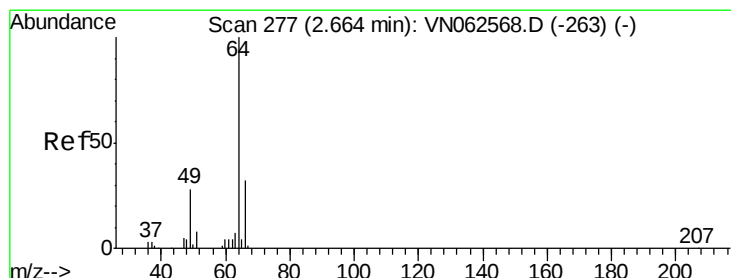
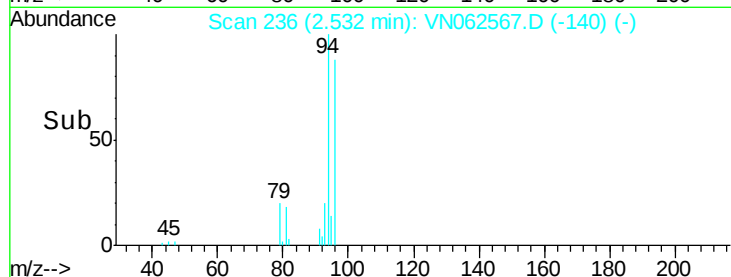
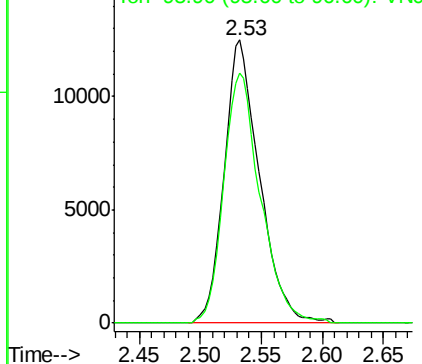
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.023 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.01 min

Lab File: VN062567.D

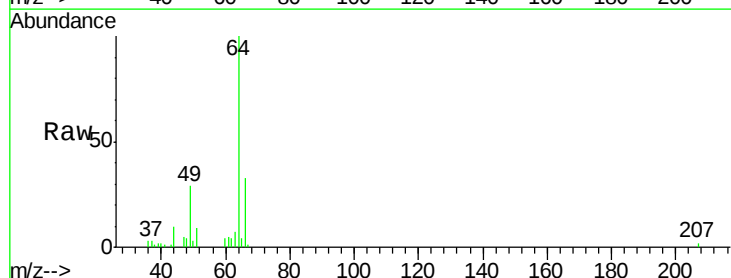
Acq: 21 Jul 2020 12:21

Tgt Ion: 64 Resp: 26097

Ion Ratio Lower Upper

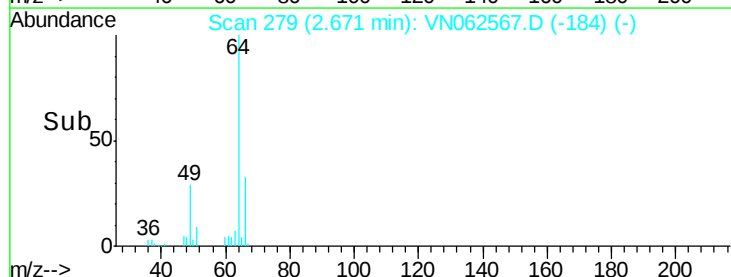
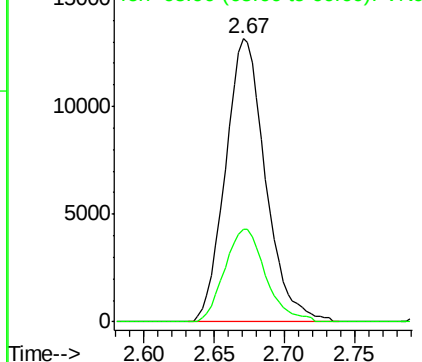
64 100

66 32.7 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

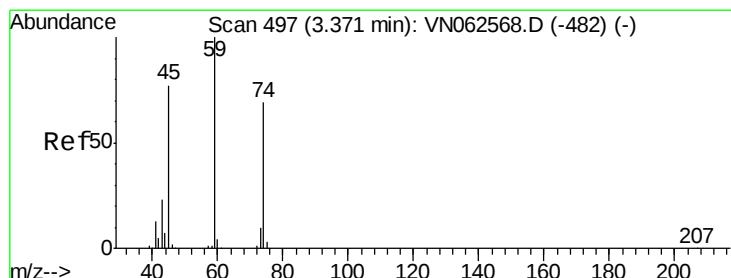
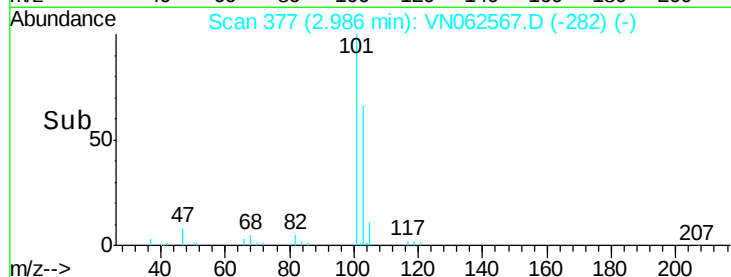
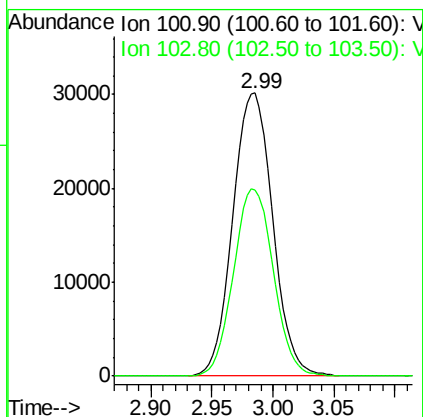
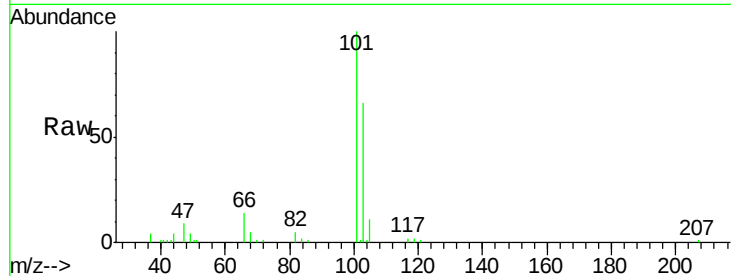
Trichlorofluoromethane
 Concen: 19.874 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. 0.01 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.5	77.3

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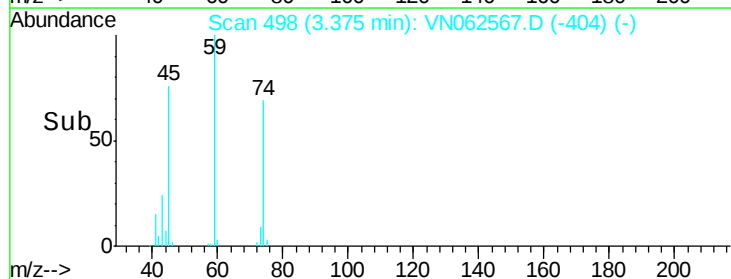
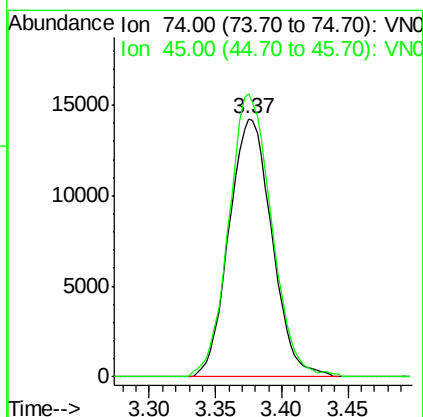
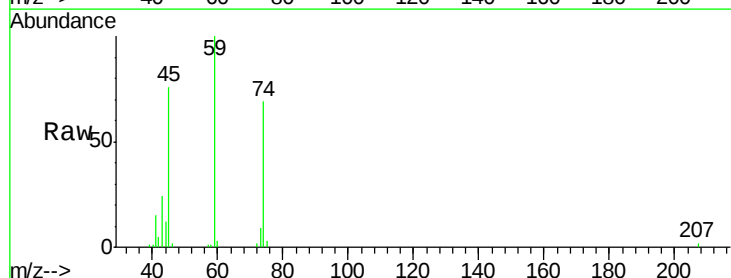
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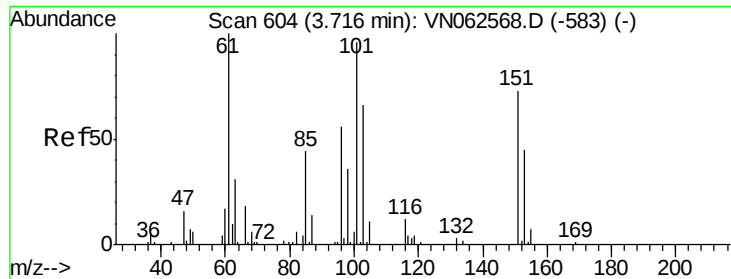


#8

Diethyl Ether
 Concen: 20.711 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.5	55.3	165.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.914 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

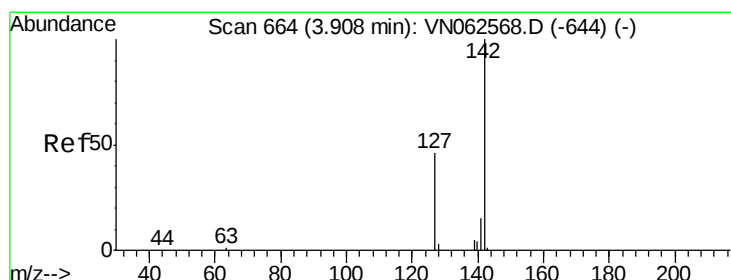
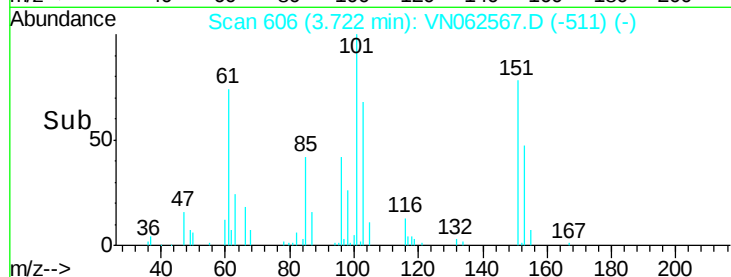
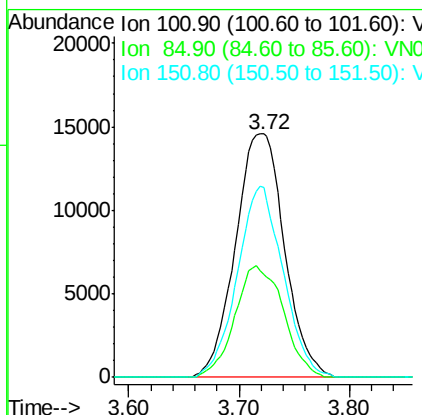
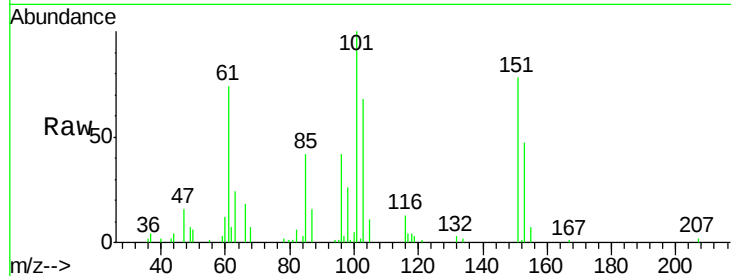
ClientSampled :

VSTDIC020

Tot Ion:	101	Resp:	44969
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.0	54.0
151	73.3	60.0	90.0

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#10

Methyl Iodide

Concen: 19.993 ug/l

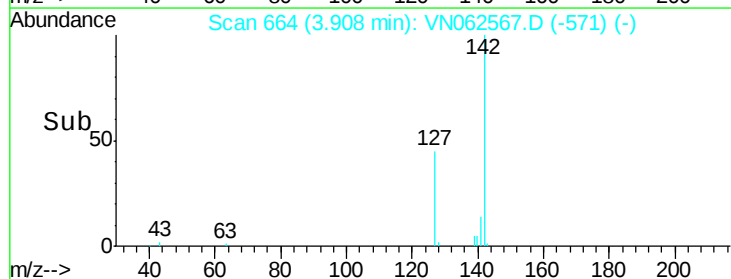
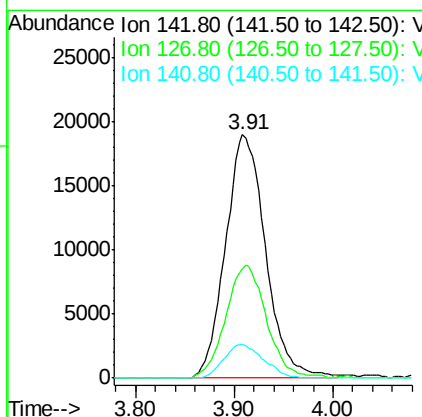
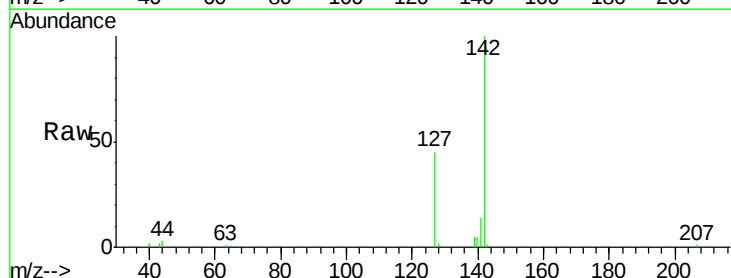
RT: 3.91 min Scan# 664

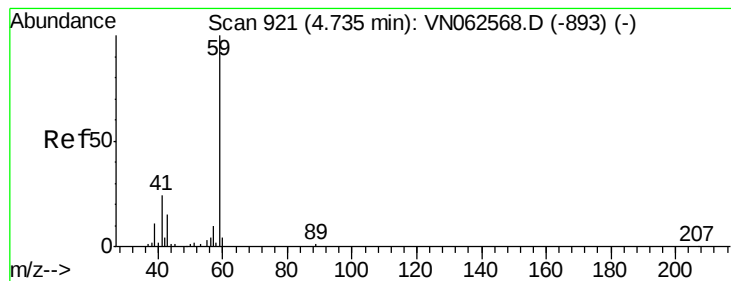
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	142	Resp:	53870
Ion Ratio	Lower	Upper	
142	100		
127	46.9	37.4	56.0
141	13.7	11.9	17.9





#11

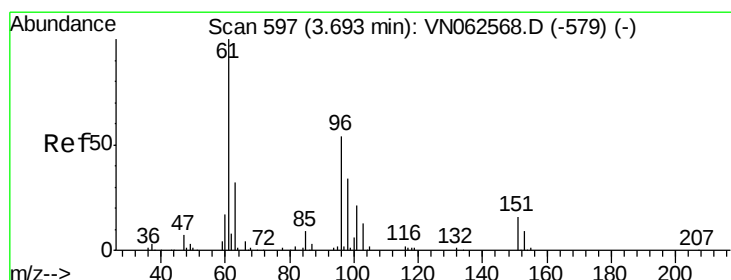
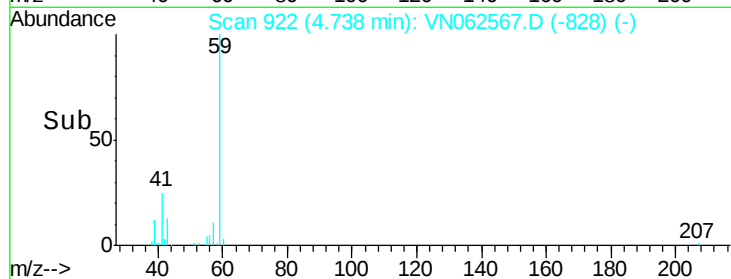
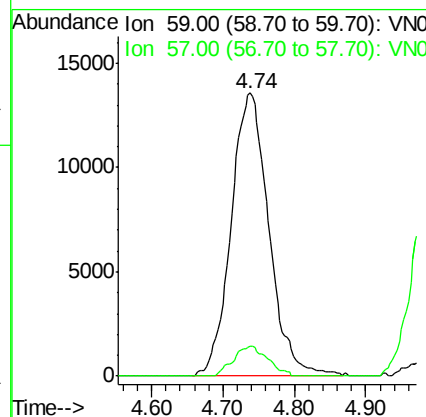
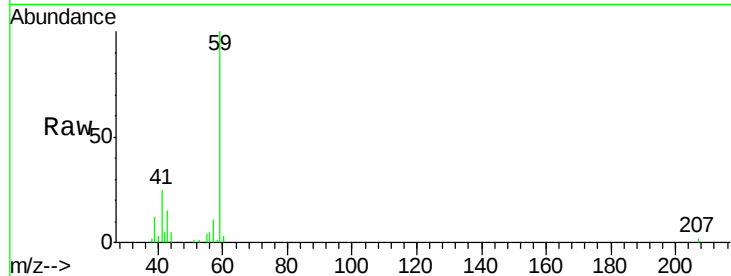
Tert butyl alcohol
 Concen: 97.204 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.2	12.2

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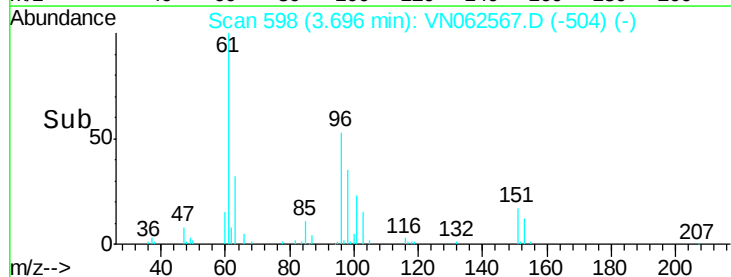
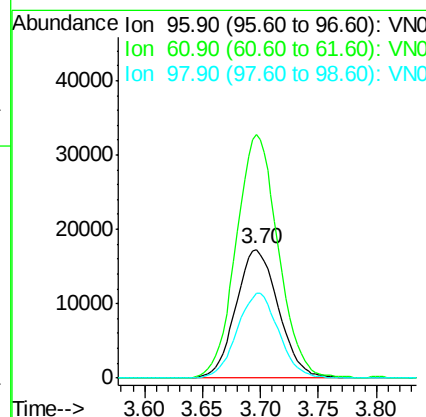
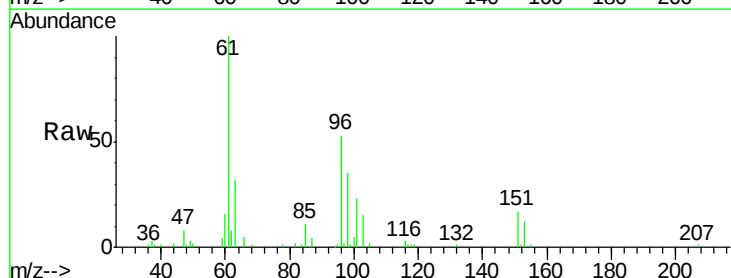
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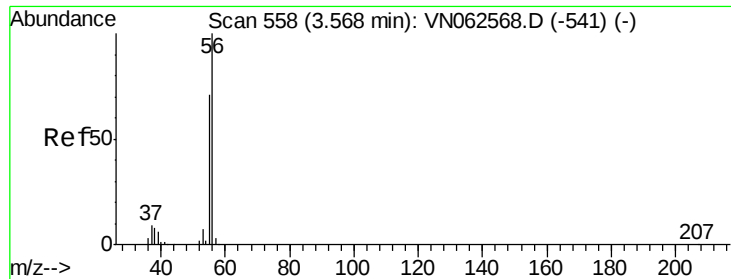


#12

1,1-Dichloroethene
 Concen: 21.065 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	189.4	148.6	222.8
98	65.8	50.6	75.8





#13

Acrolein

Concen: 119.500 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 48751

Ion Ratio Lower Upper

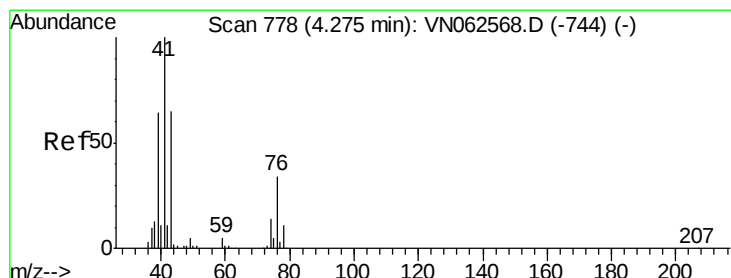
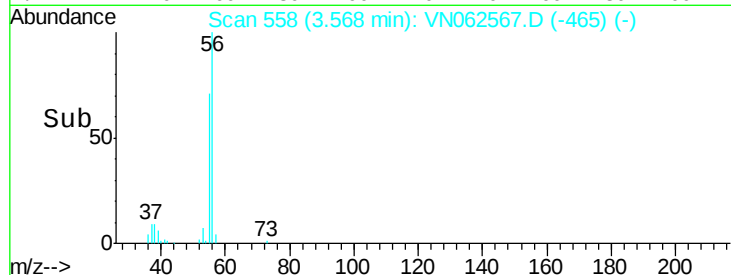
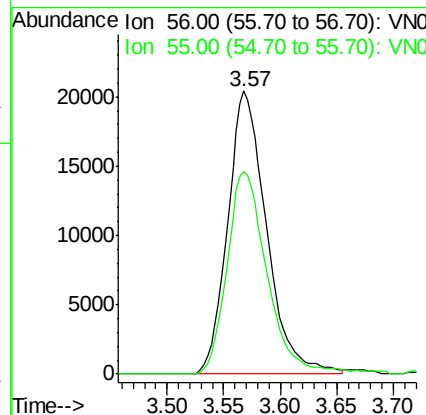
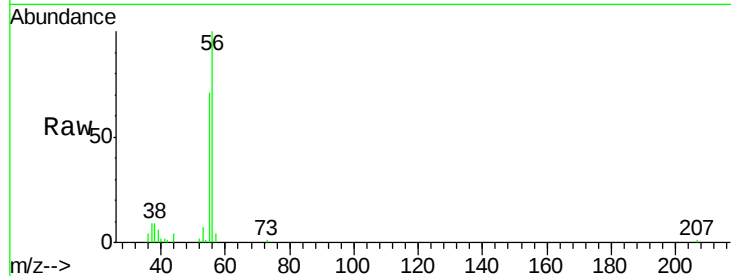
56 100

55 73.6 57.0 85.4

Manual Integrations
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#14

Allyl chloride

Concen: 19.612 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

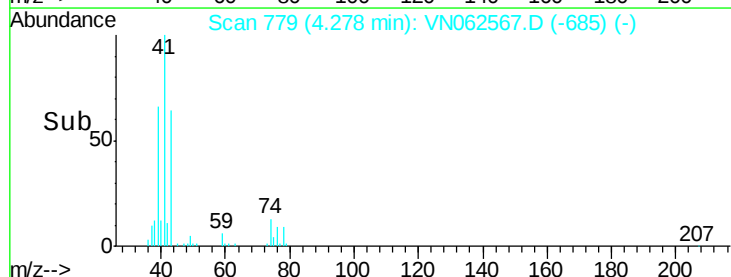
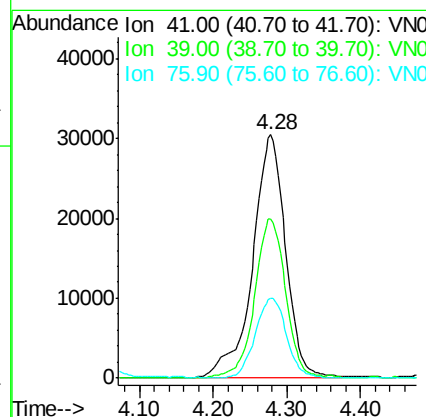
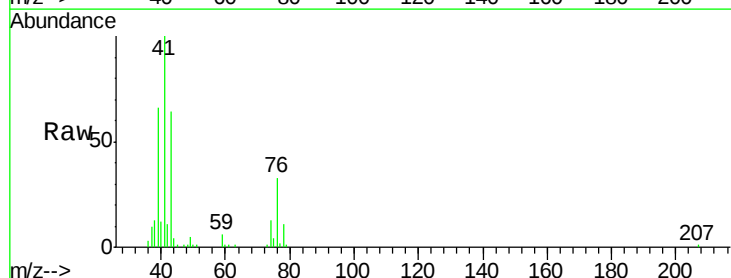
Tgt Ion: 41 Resp: 95413

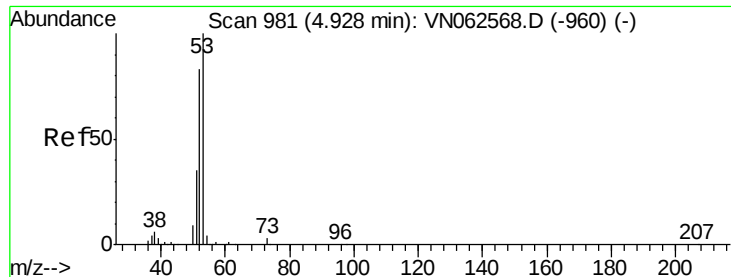
Ion Ratio Lower Upper

41 100

39 61.2 49.0 73.4

76 30.8 24.0 36.0





#15

Acrylonitrile

Concen: 102.009 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

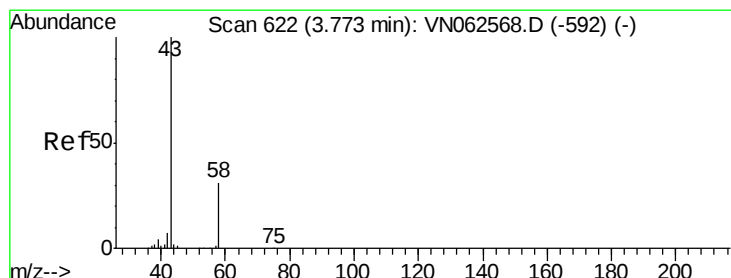
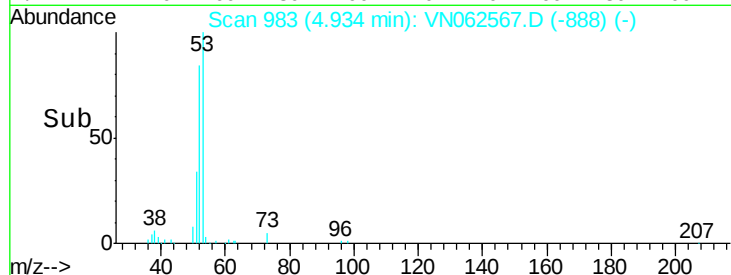
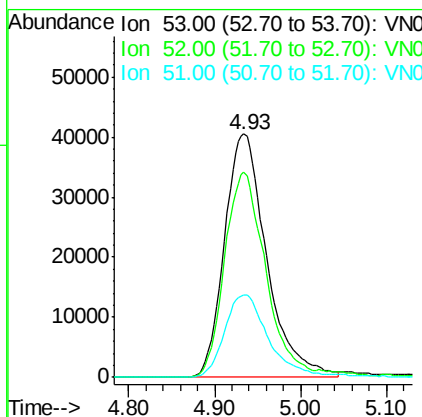
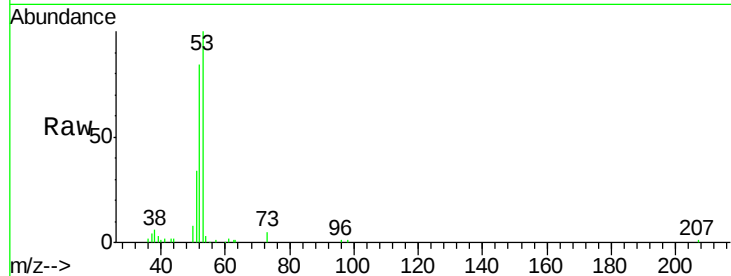
ClientSampleID :

VSTDIC020

Tot Ion:	53	Resp:	138047
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.3	99.5
51	35.2	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 90.029 ug/l

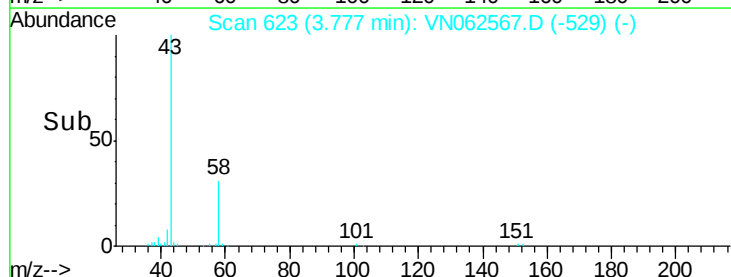
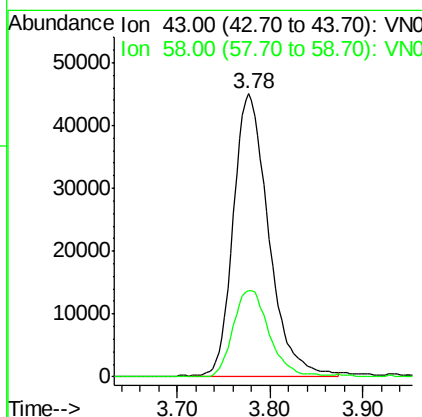
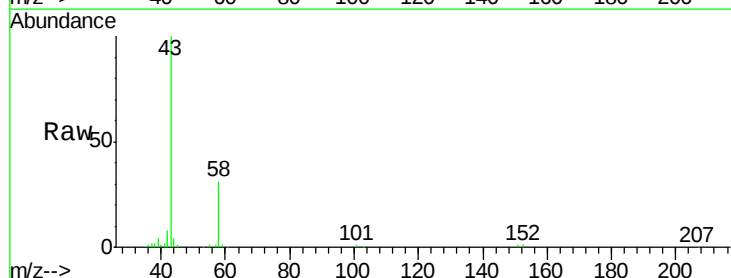
RT: 3.78 min Scan# 623

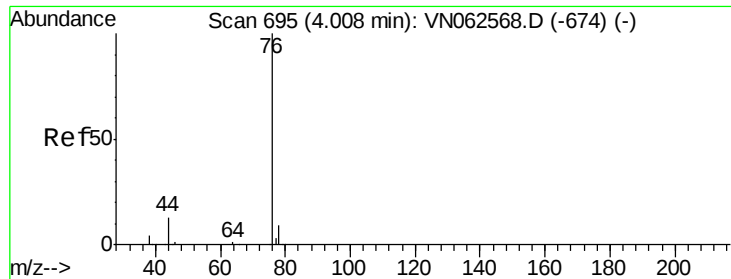
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	43	Resp:	117909
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	37.0





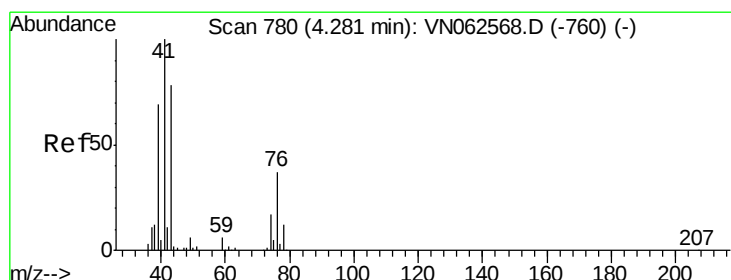
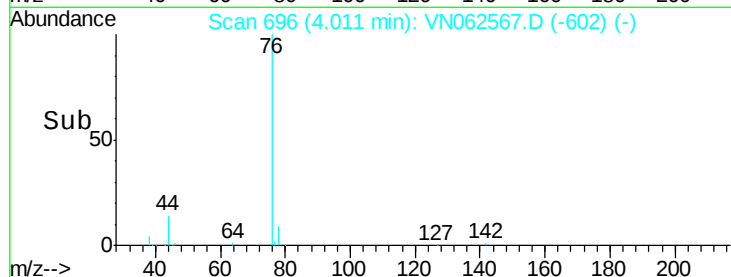
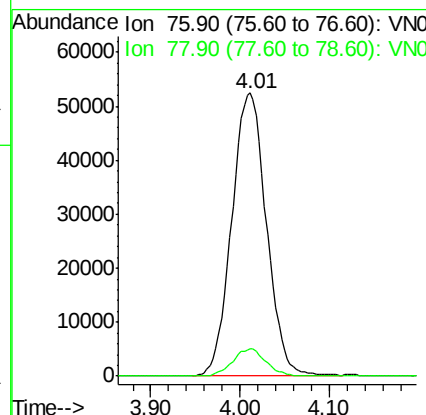
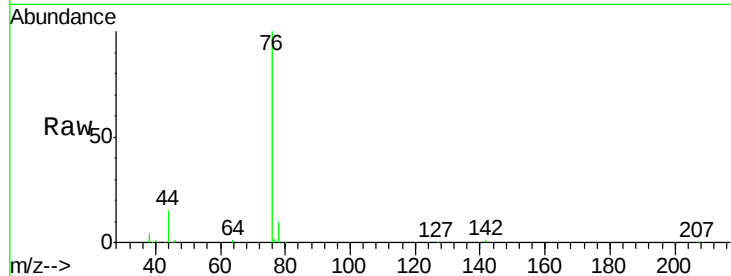
#17
Carbon Disulfide
Concen: 21.401 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

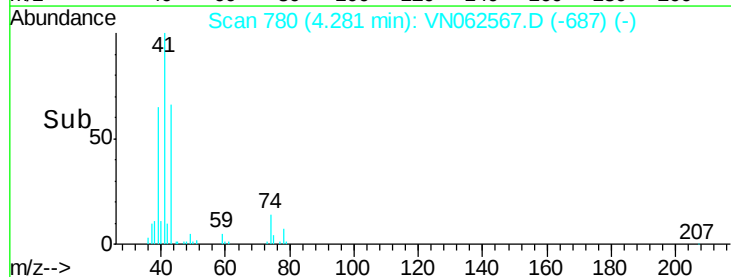
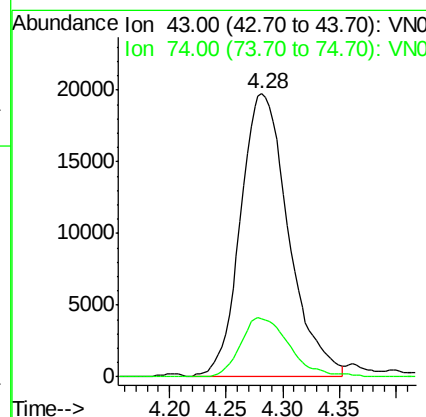
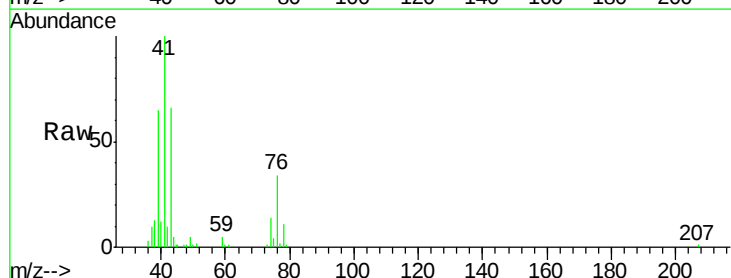
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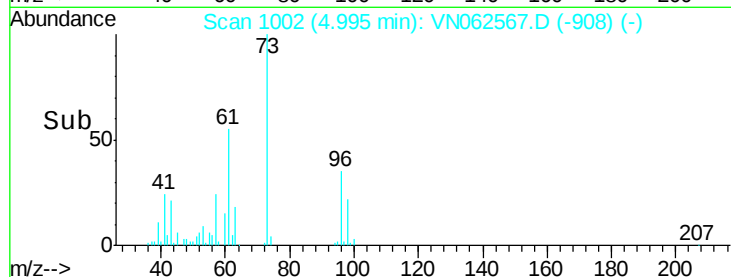
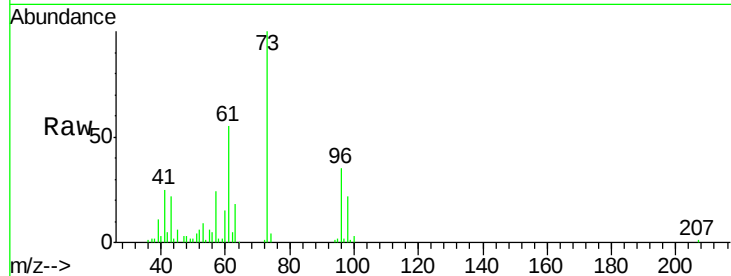
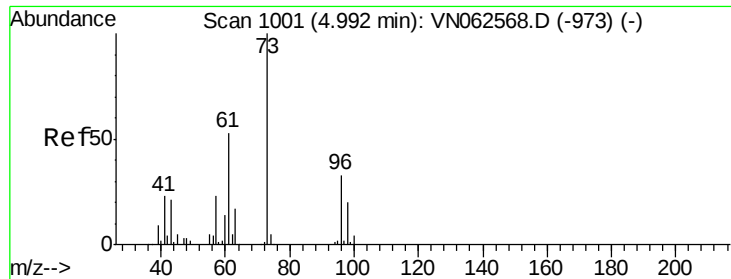
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#18
Methyl Acetate
Concen: 17.911 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	16.6	24.8





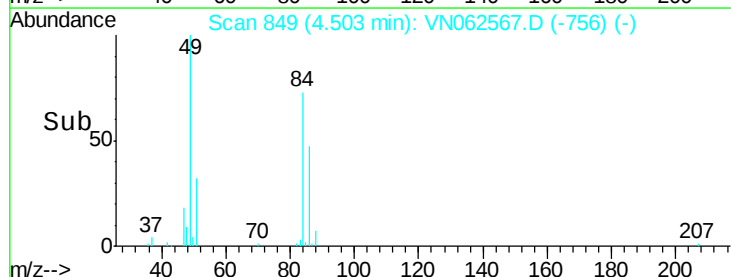
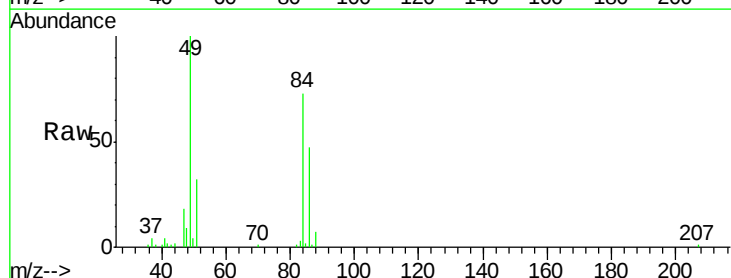
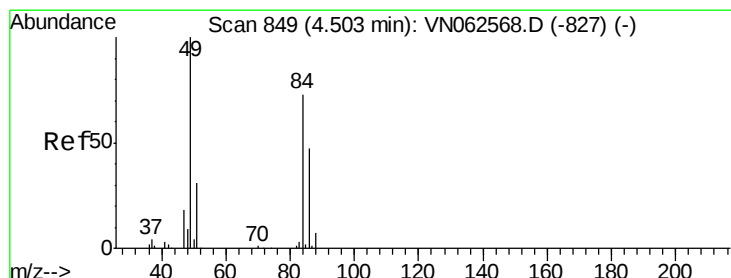
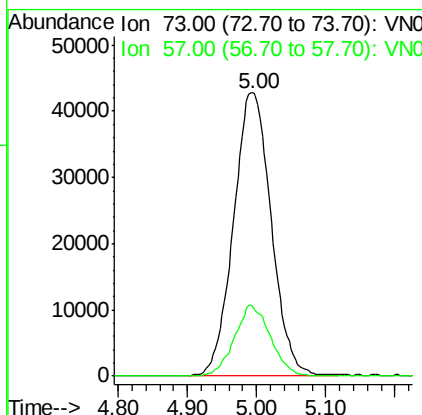
#19
Methyl tert-butyl Ether
Concen: 20.445 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tot Ion: 73 Resp: 162235
Ion Ratio Lower Upper
73 100
57 24.4 18.6 27.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

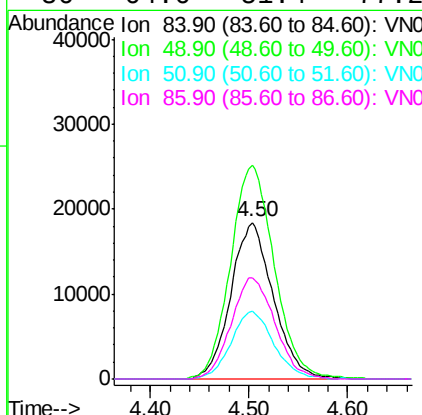
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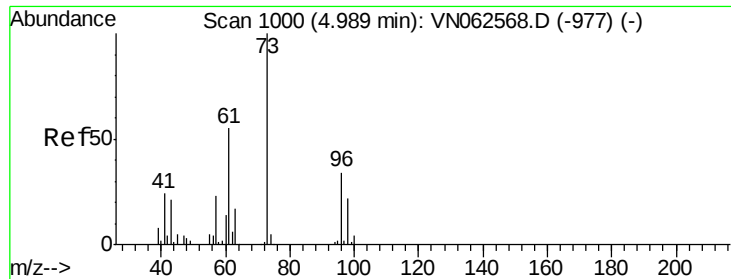
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#20
Methylene Chloride
Concen: 19.353 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion: 84 Resp: 55149
Ion Ratio Lower Upper
84 100
49 135.4 109.4 164.0
51 43.3 33.6 50.4
86 64.6 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.809 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

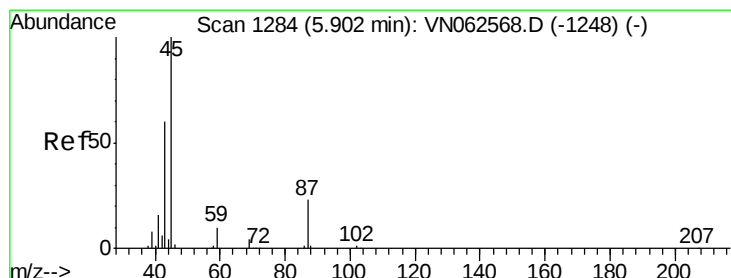
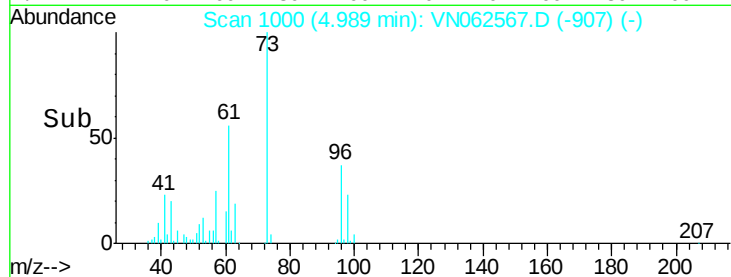
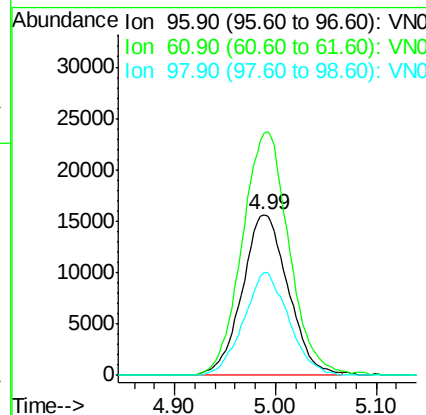
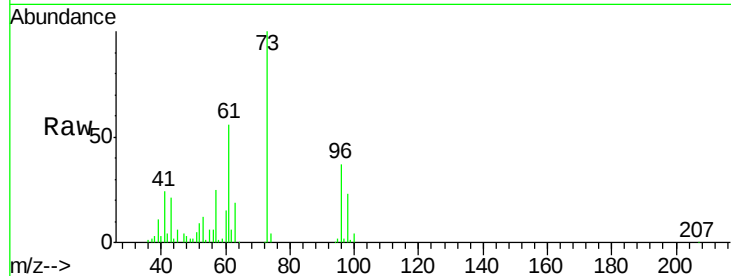
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	49462
Ion	Ratio	Lower	Upper
96	100		
61	151.0	128.6	192.8
98	63.8	50.6	76.0

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#22

Diisopropyl ether

Concen: 20.464 ug/l

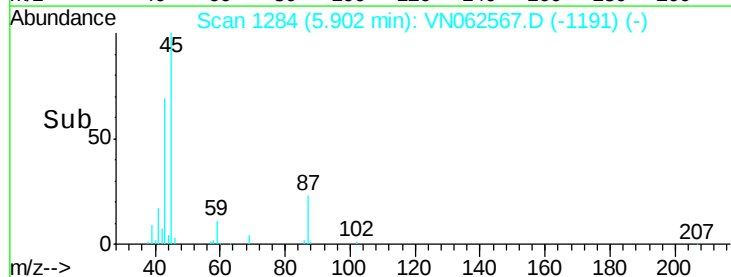
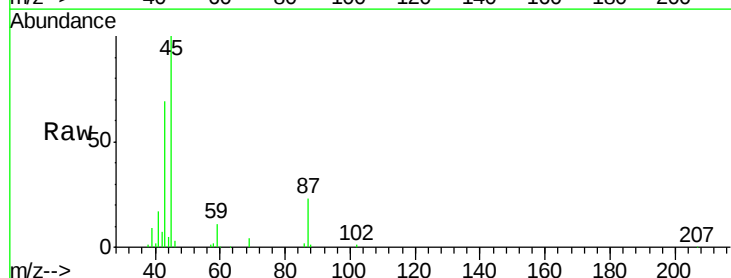
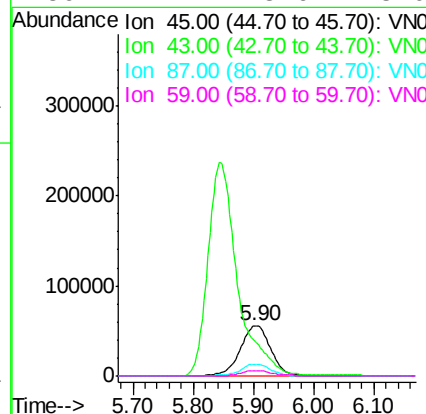
RT: 5.90 min Scan# 1284

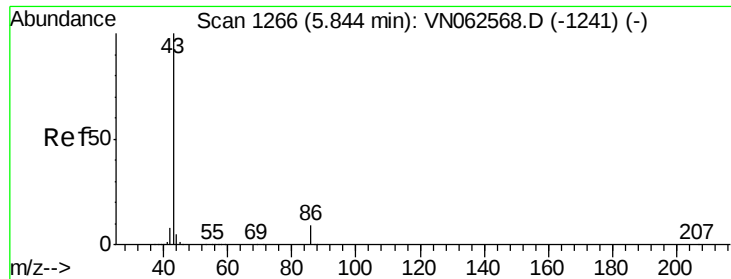
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	45	Resp:	196754
Ion	Ratio	Lower	Upper
45	100		
43	66.9	48.7	73.1
87	23.4	19.0	28.6
59	11.4	8.6	13.0





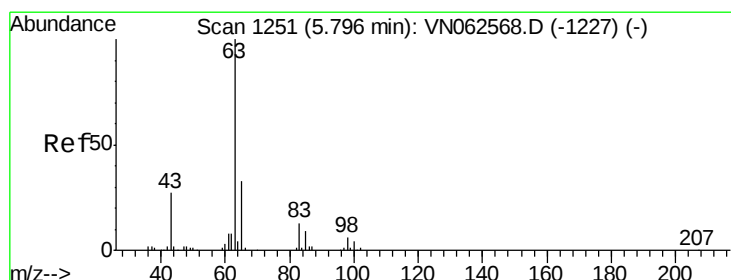
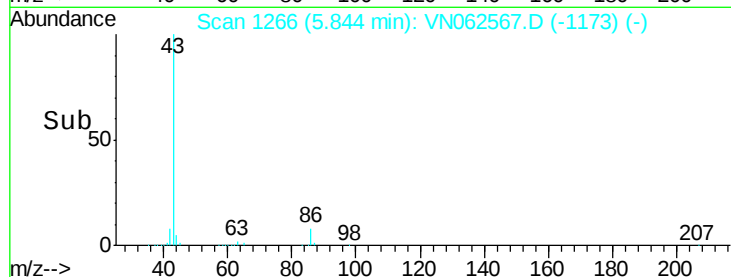
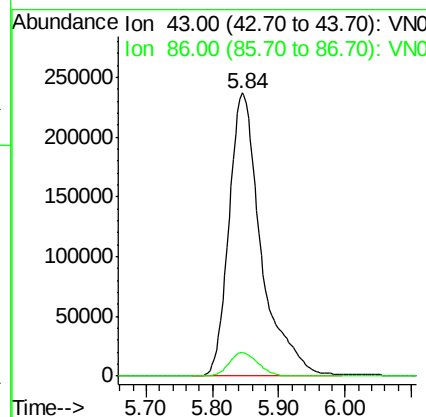
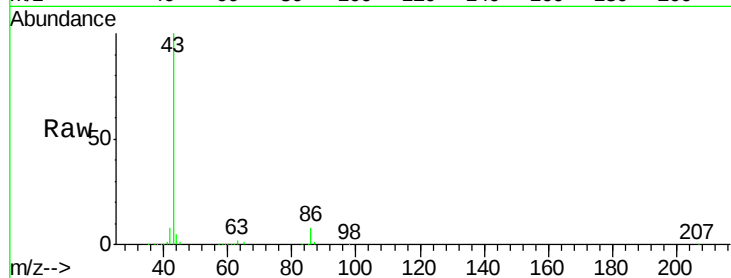
#23
 Vinyl Acetate
 Concen: 100.699 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	43	Resp	802054
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.9	10.3

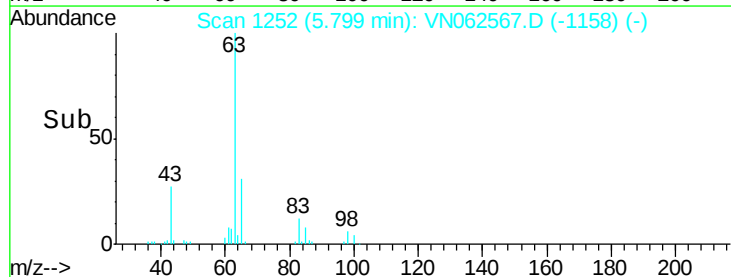
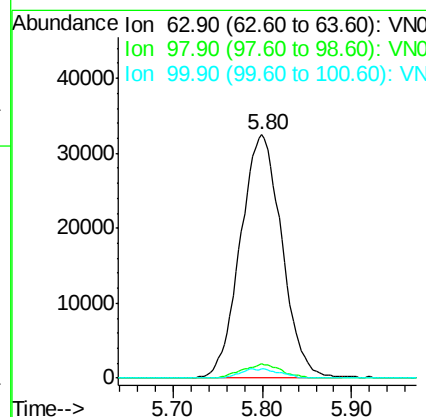
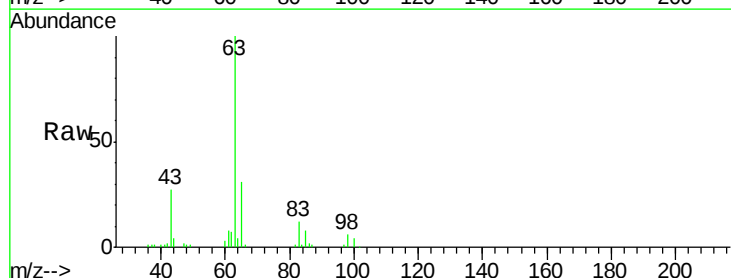
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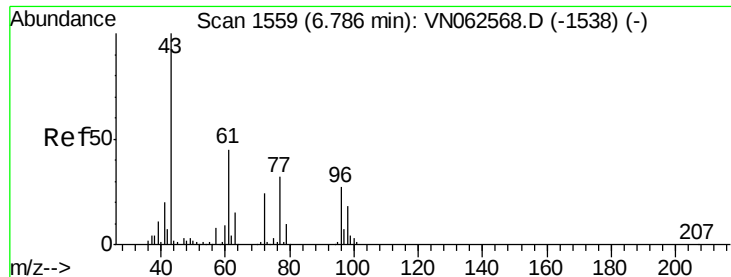
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#24
 1,1-Dichloroethane
 Concen: 20.894 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	63	Resp	104447
Ion Ratio	100	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.7	1.8	5.4





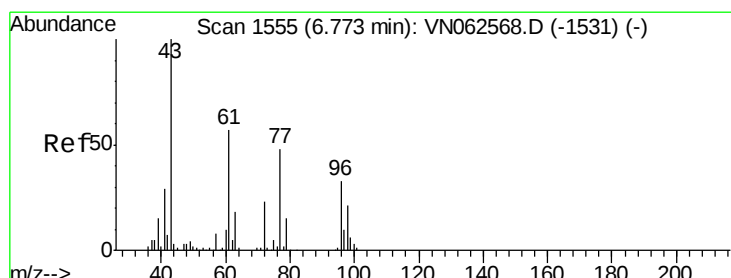
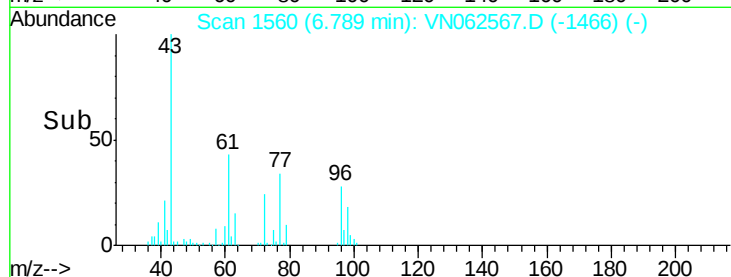
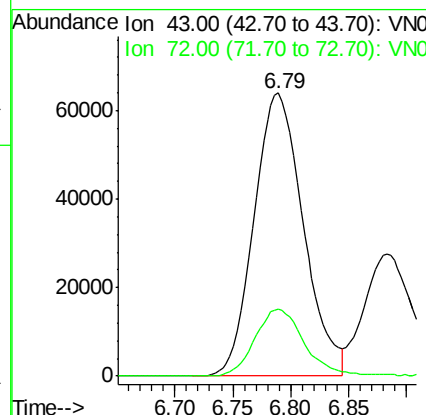
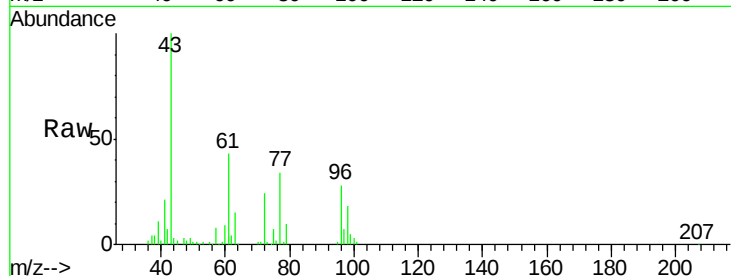
#25
2-Butanone
Concen: 98.832 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	189252
Ion Ratio	100	Lower	Upper
72	23.6	19.0	28.6

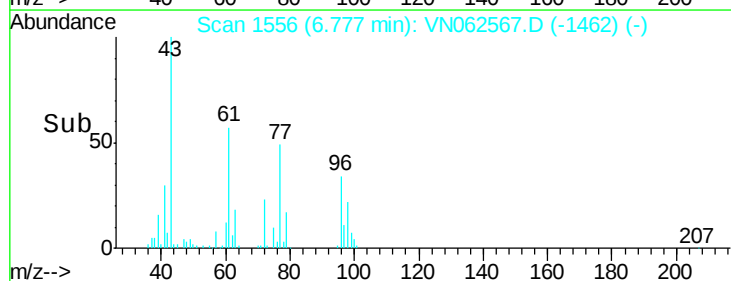
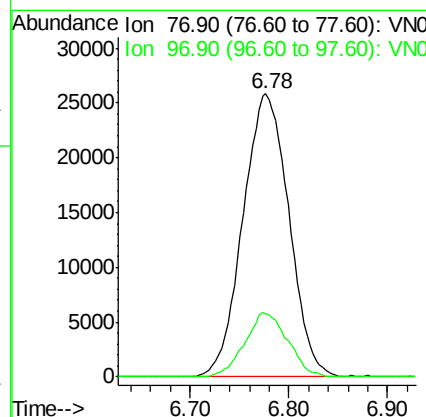
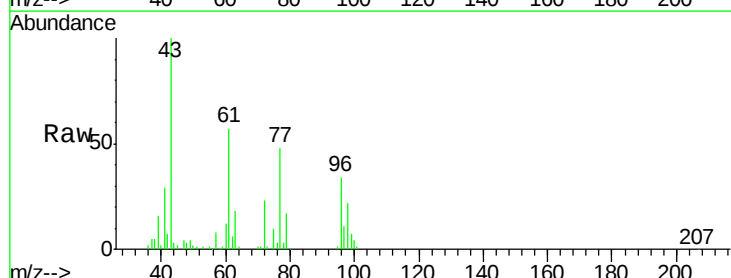
Manual Integrations
APPROVED

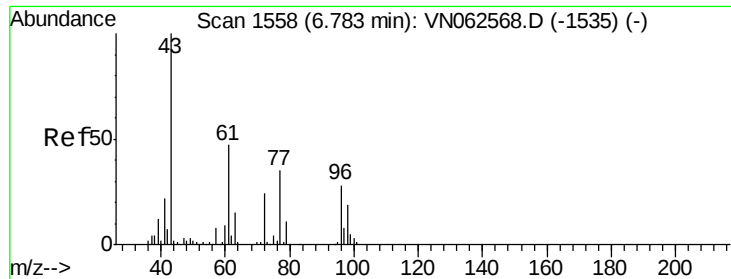
MMDadoda
7/22/2020 2:45:36 PM



#26
2,2-Dichloropropane
Concen: 21.531 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	77	Resp	83432
Ion Ratio	100	Lower	Upper
97	21.1	10.8	32.4





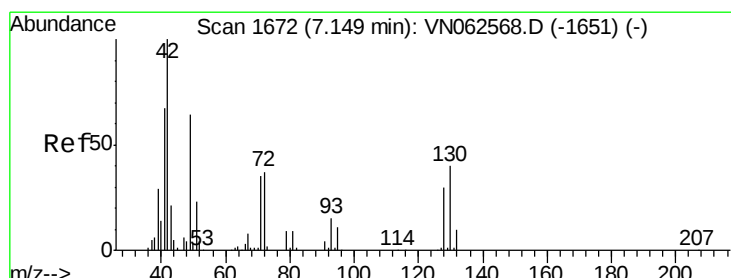
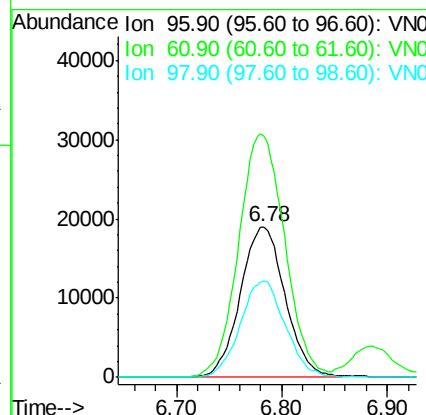
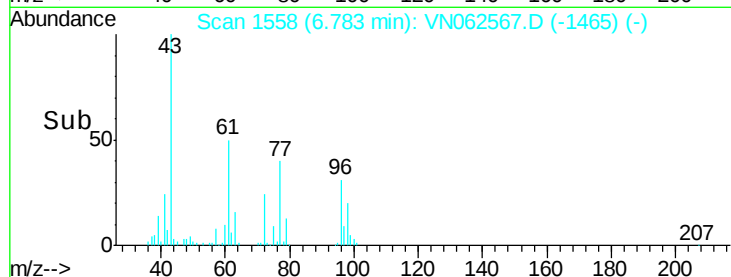
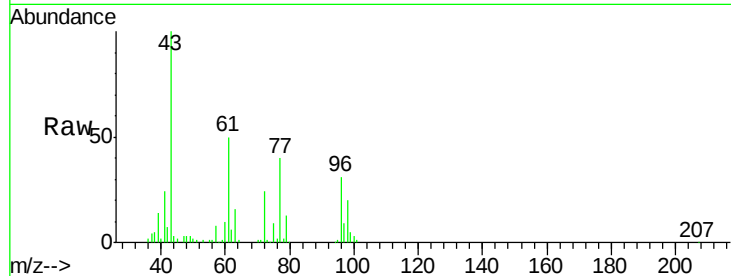
#27
 cis-1,2-Dichloroethene
 Concen: 21.357 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	0.0	332.4
98	64.1	0.0	127.4

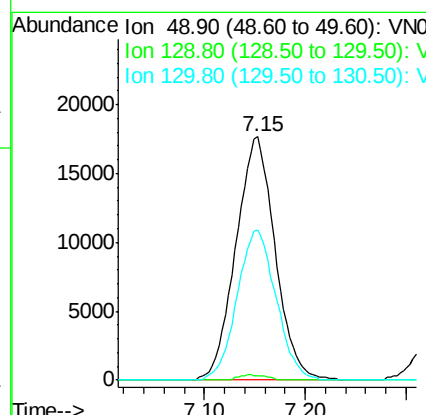
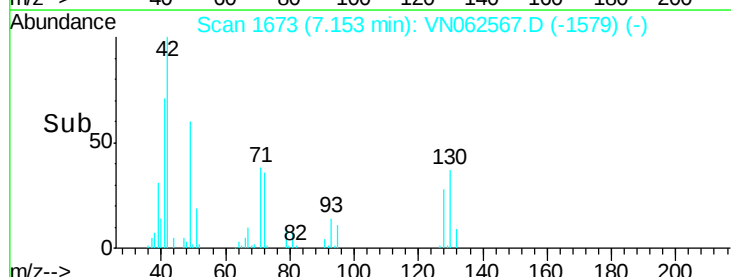
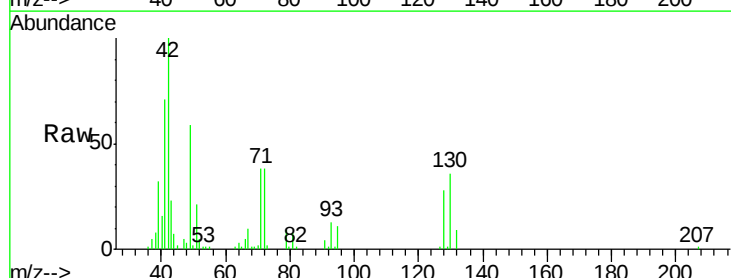
Manual Integrations
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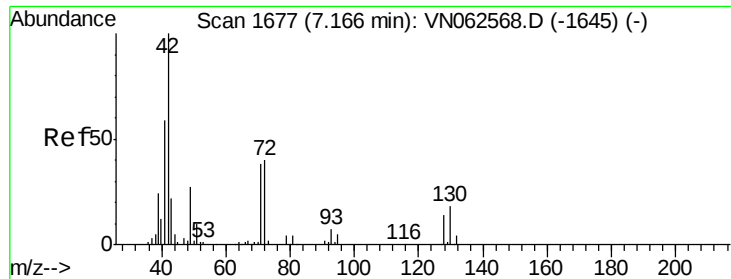
MMDadoda
 7/22/2020 2:45:36 PM



#28
 Bromochloromethane
 Concen: 17.697 ug/l
 RT: 7.15 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.4
130	61.1	49.8	74.8





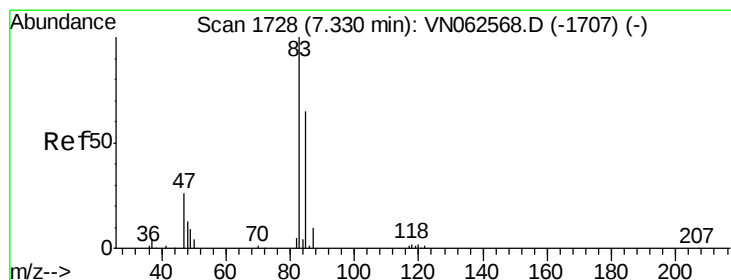
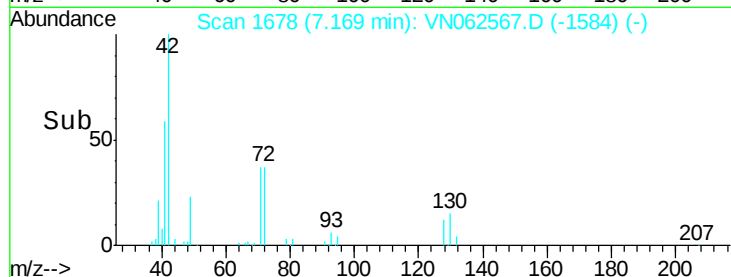
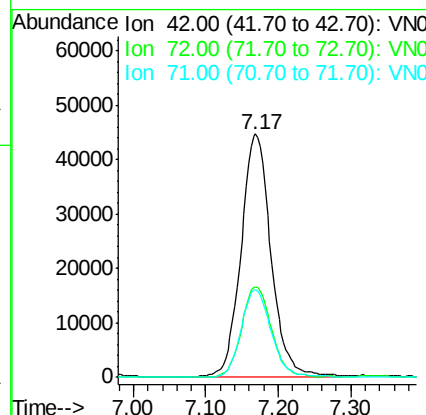
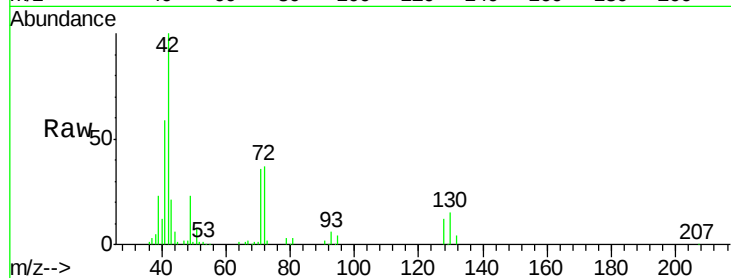
#29
Tetrahydrofuran
Concen: 100.106 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	30.7	46.1
71	35.5	29.1	43.7

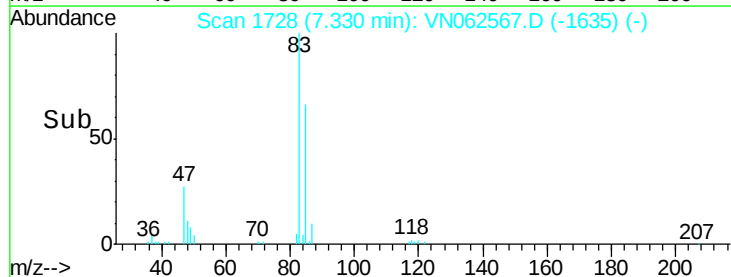
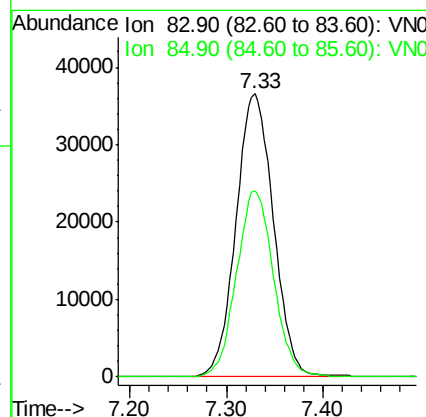
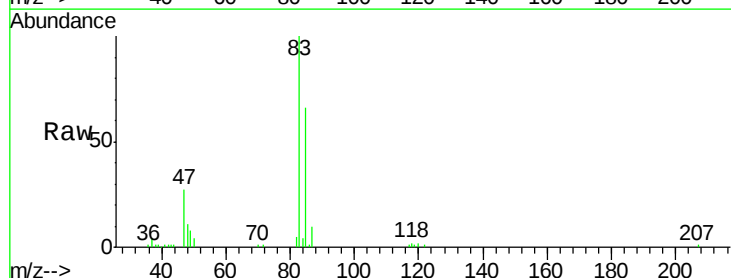
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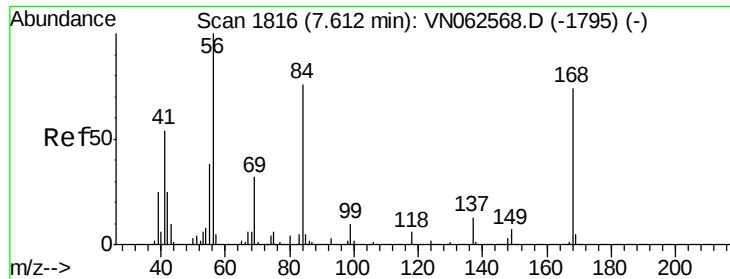
MMDadoda
7/22/2020 2:45:36 PM



#30
Chloroform
Concen: 21.665 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.0	78.0





#31

Cyclohexane

Concen: 19.564 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

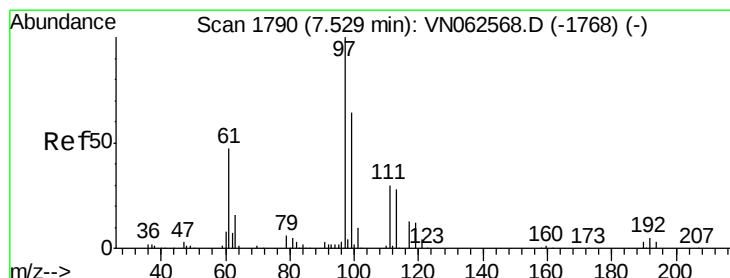
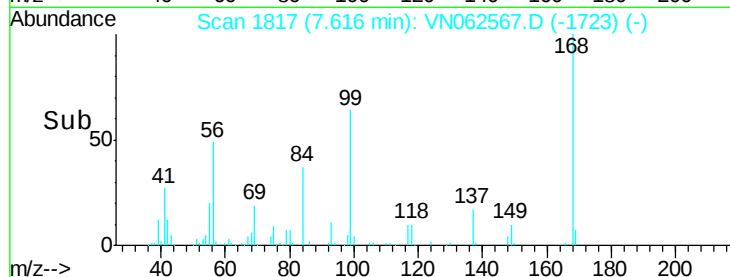
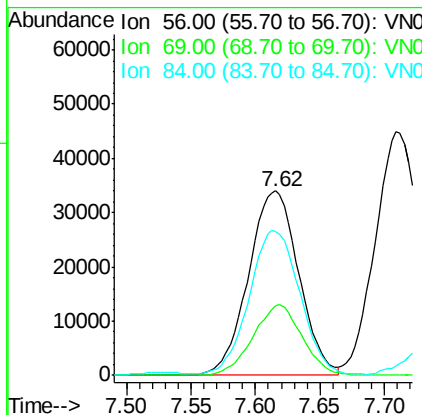
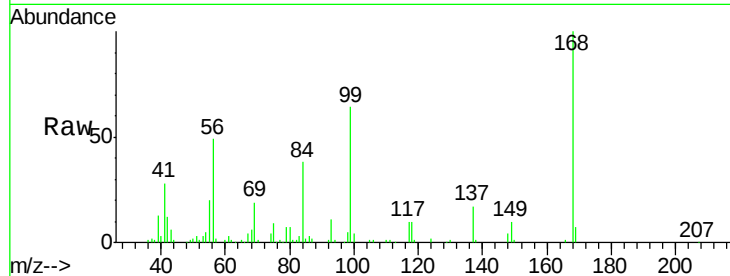
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	92310
Ion	Ratio	Lower	Upper
56	100		
69	37.7	25.3	37.9
84	77.0	61.0	91.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.784 ug/l

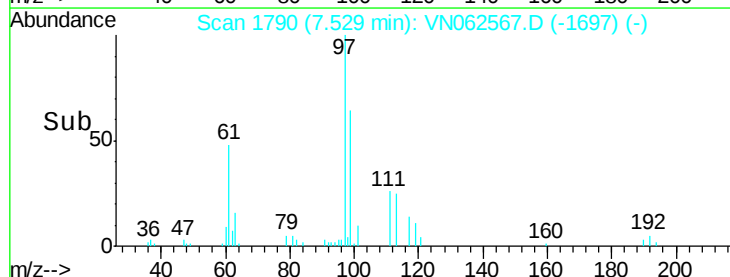
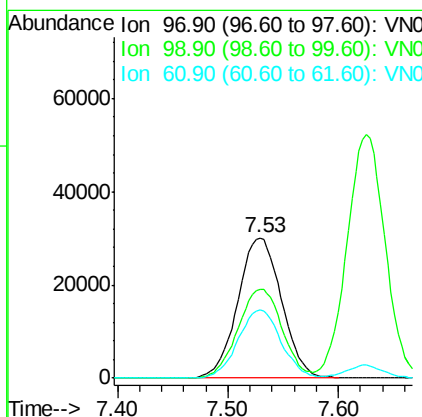
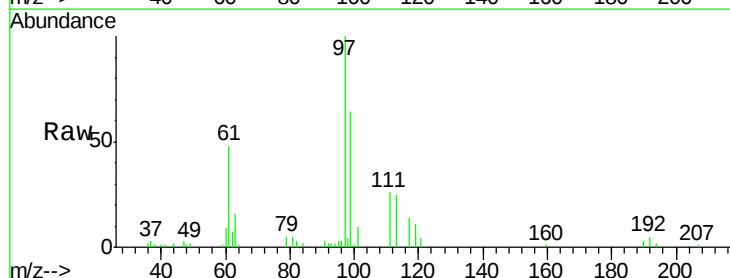
RT: 7.53 min Scan# 1790

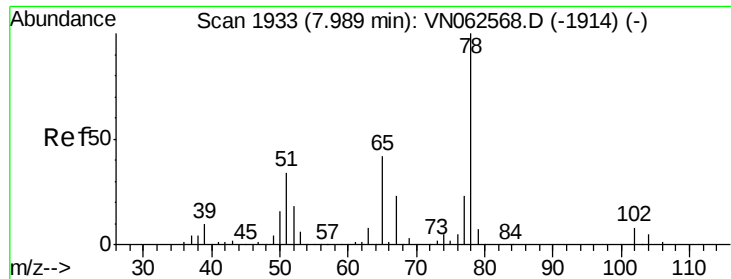
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	97	Resp:	82502
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	47.9	38.4	57.6





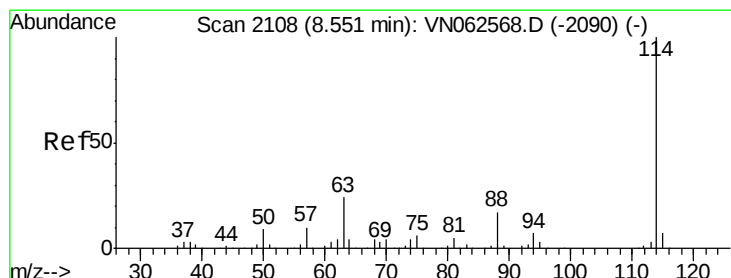
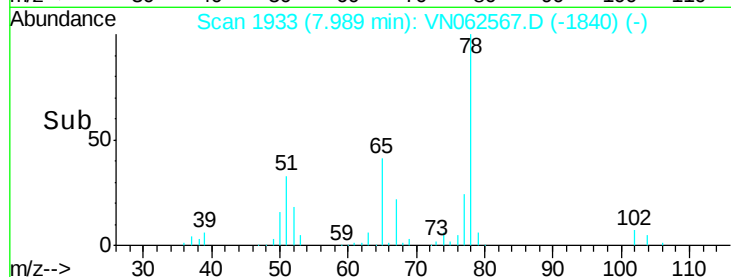
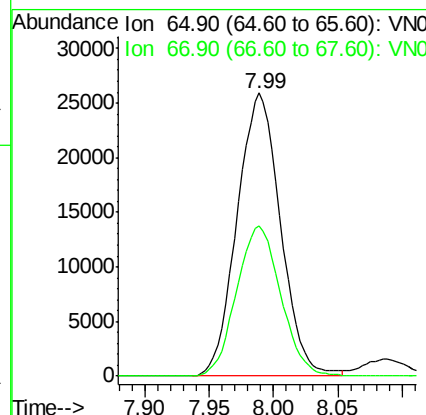
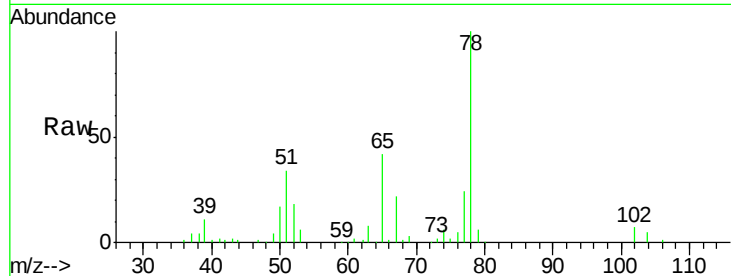
#33
 1,2-Dichloroethane-d4
 Concen: 19.402 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	106.0

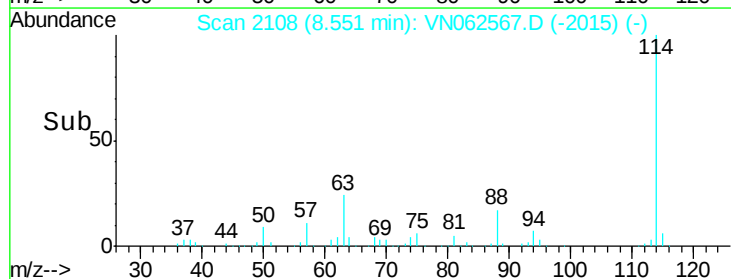
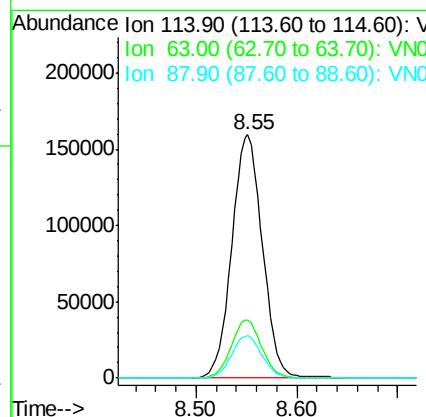
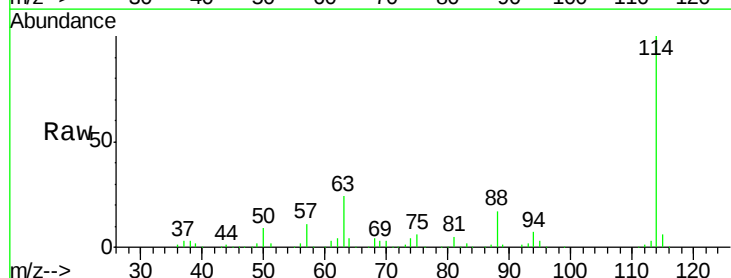
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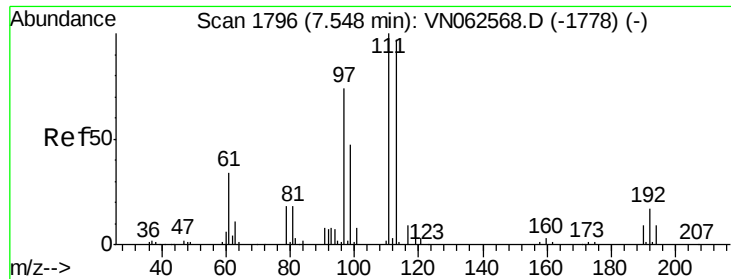
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	48.4
88	17.3	0.0	33.8





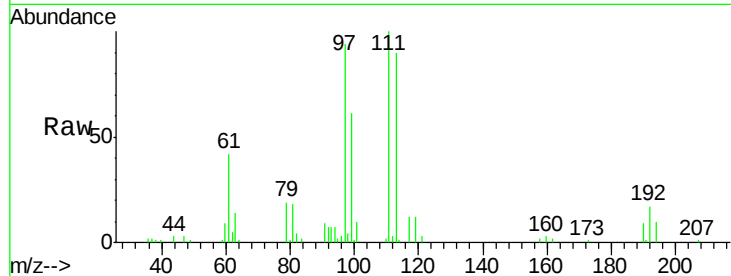
#35
Dibromofluoromethane
Concen: 20.370 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	82.7	124.1
192	19.6	14.8	22.2

Manual Integrations
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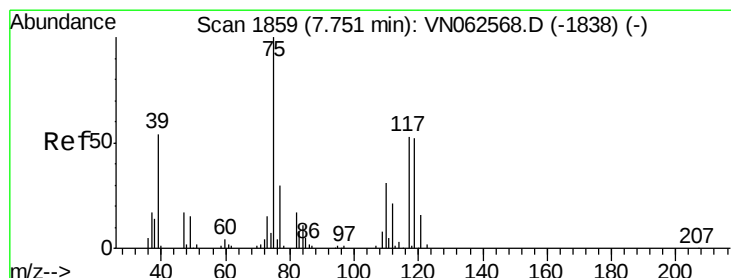
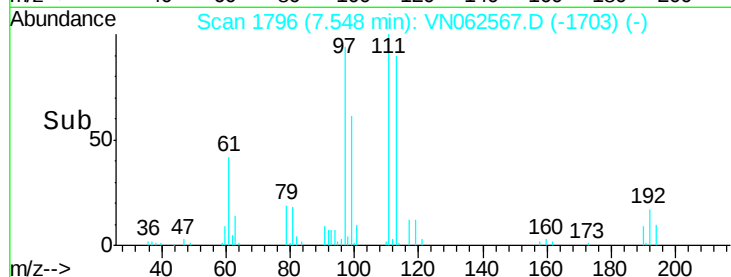
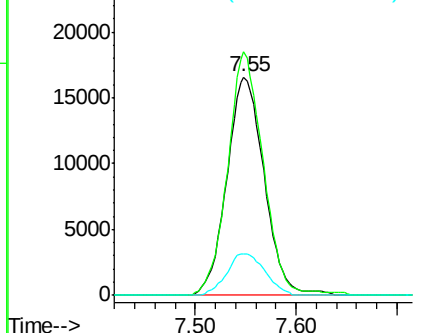


Abundance

Ion 112.80 (112.50 to 113.50): V

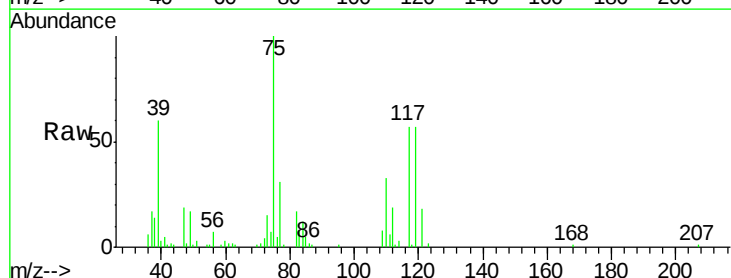
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 21.636 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.1	16.0	48.0
77	30.4	24.6	36.8

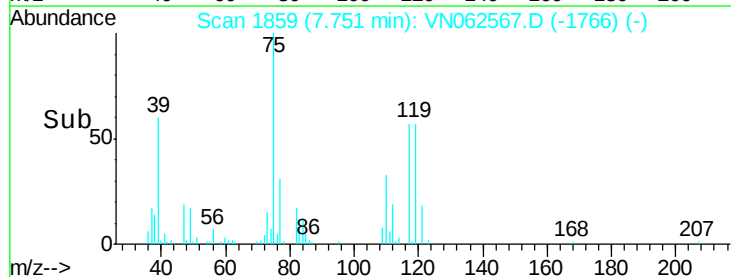
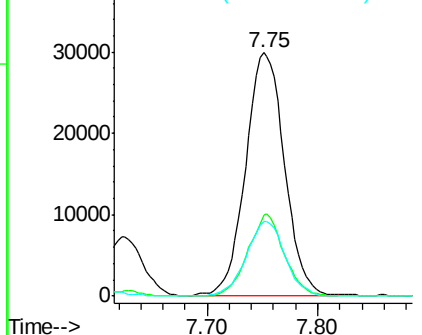


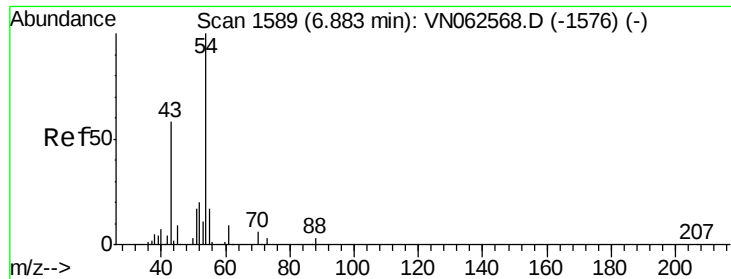
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





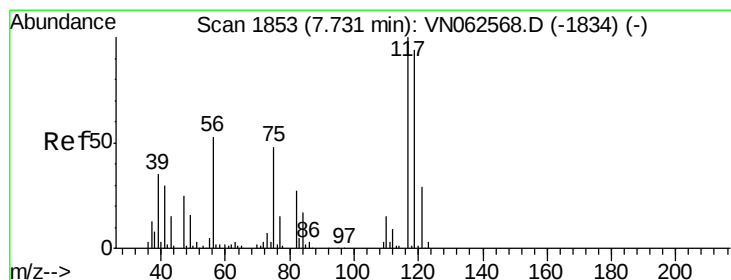
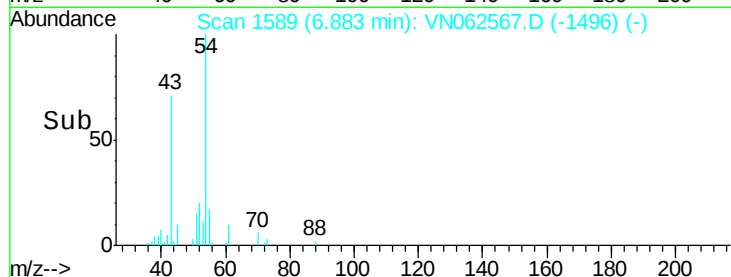
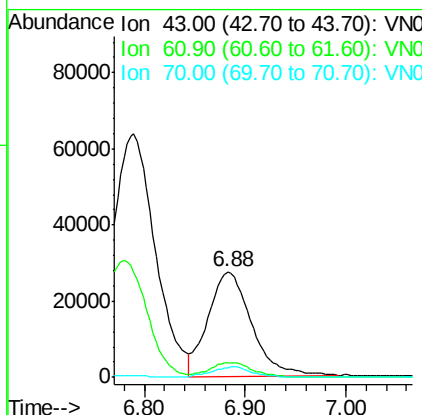
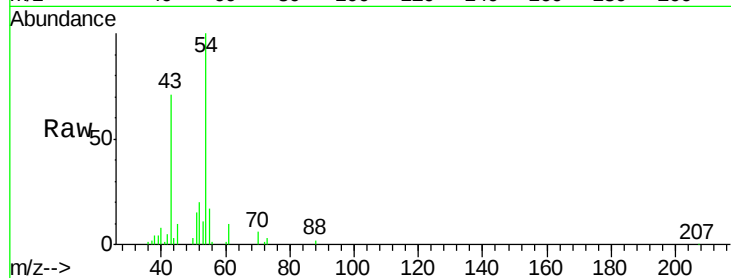
#37
Ethyl Acetate
Concen: 20.696 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	9.2	7.7	11.5

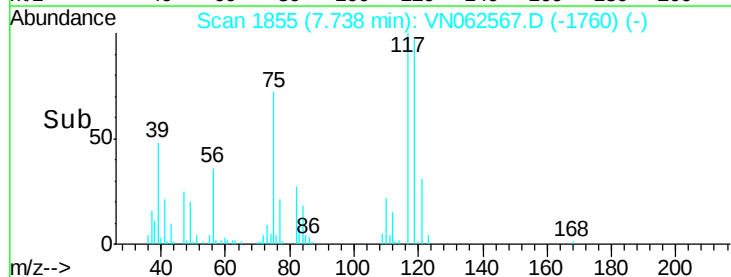
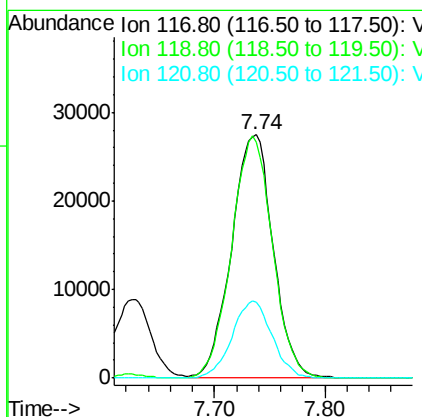
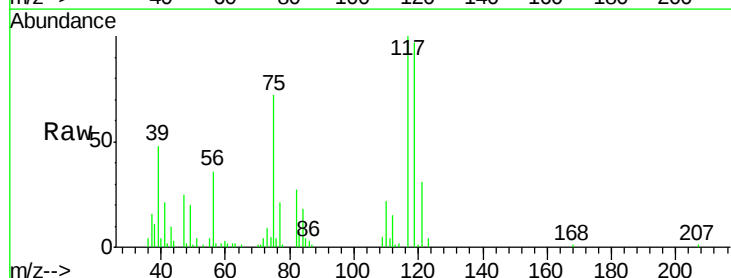
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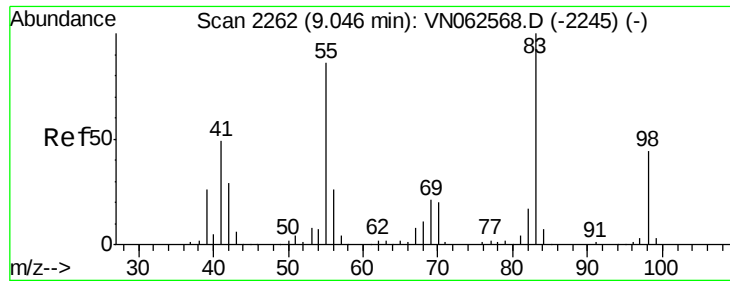
MMDadoda
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#38
Carbon Tetrachloride
Concen: 23.157 ug/l
RT: 7.74 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	74.8	112.2
121	31.3	23.0	34.6





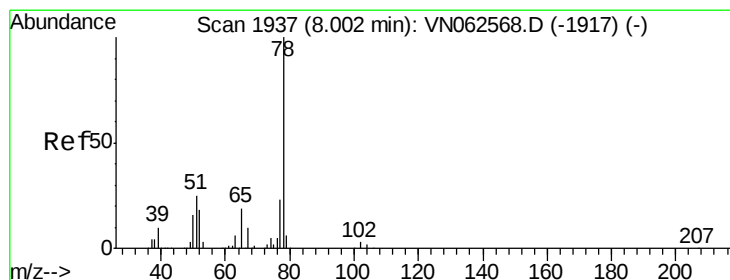
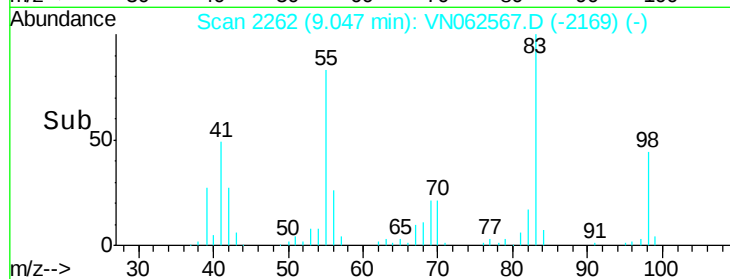
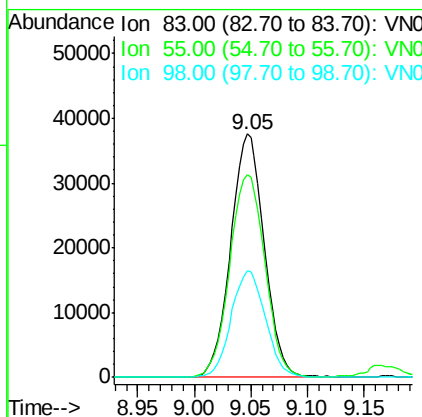
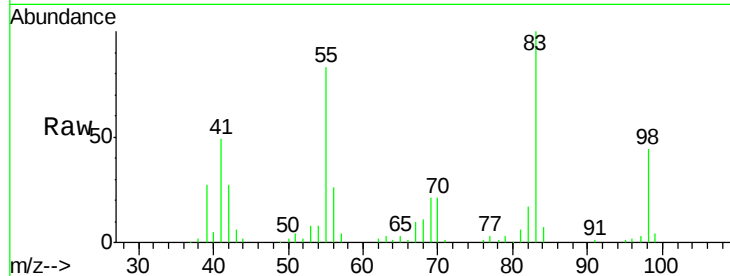
#39
Methvlcvclohexane
Concen: 21.449 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	68.9	103.3
98	43.6	35.1	52.7

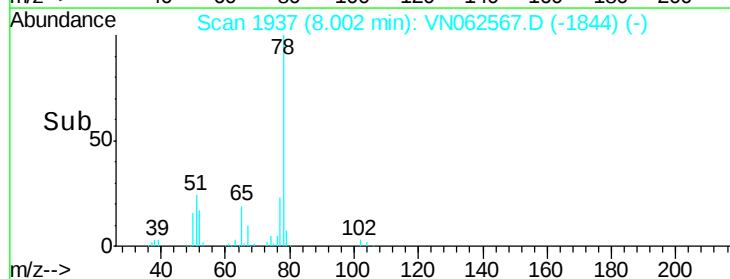
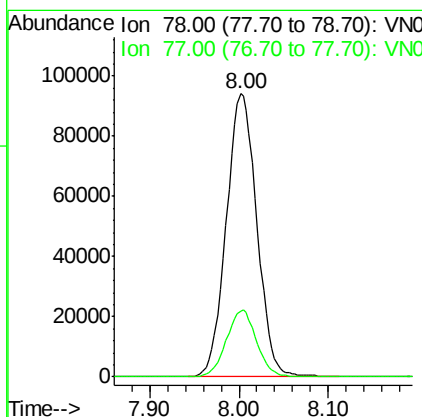
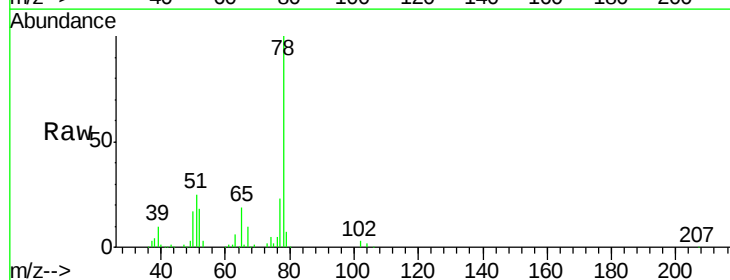
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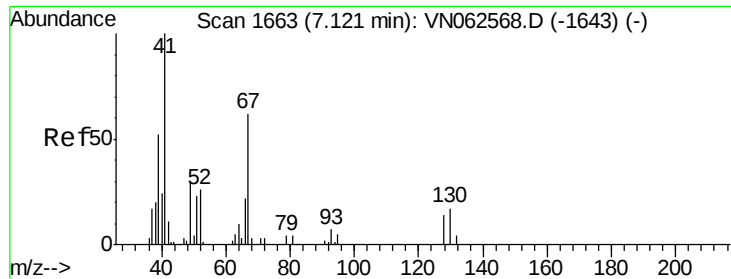
MMDadoda
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#40
Benzene
Concen: 22.243 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





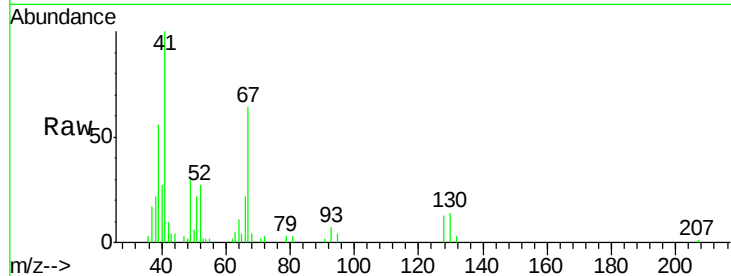
#41
Methacrylonitrile
Concen: 16.544 ug/l
RT: 7.12 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.5	55.8	83.6#
67	106.4	72.5	108.7
52	46.5	31.8	47.8

Manual Integrations
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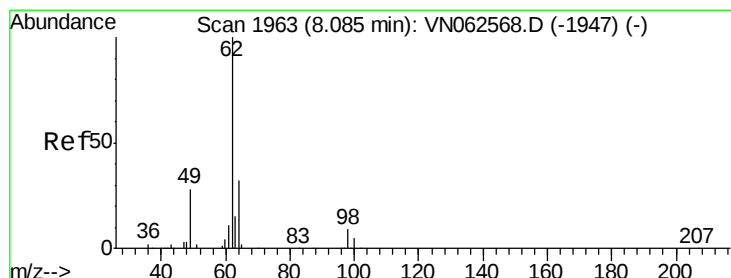
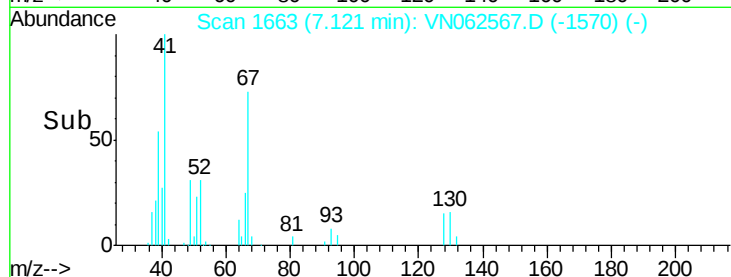
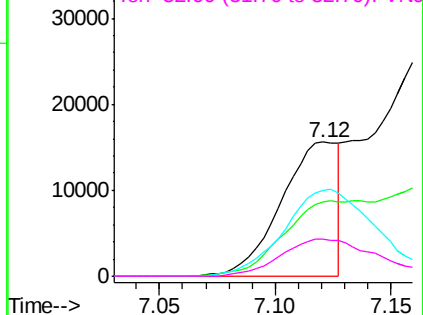


Abundance Ion 41.00 (40.70 to 41.70): VN062567.D (-1570) (-)

Ion 39.00 (38.70 to 39.70): VN062567.D (-1570) (-)

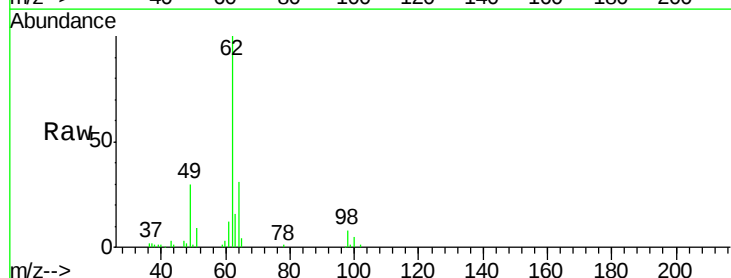
Ion 67.00 (66.70 to 67.70): VN062567.D (-1570) (-)

Ion 52.00 (51.70 to 52.70): VN062567.D (-1570) (-)



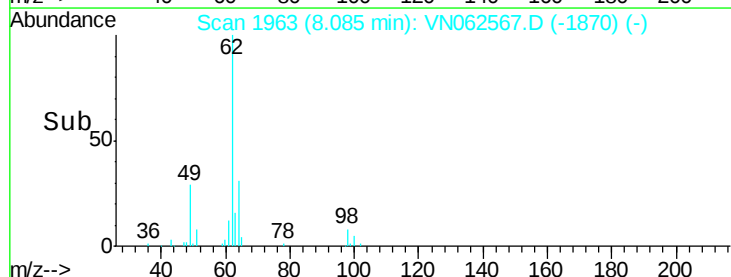
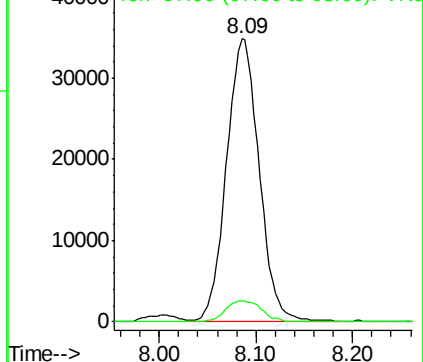
#42
1,2-Dichloroethane
Concen: 22.236 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

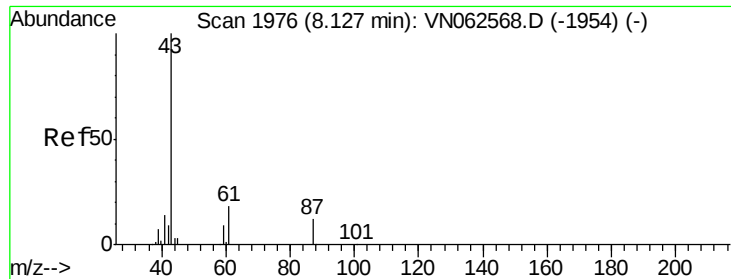
Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN062567.D (-1870) (-)

Ion 97.90 (97.60 to 98.60): VN062567.D (-1870) (-)





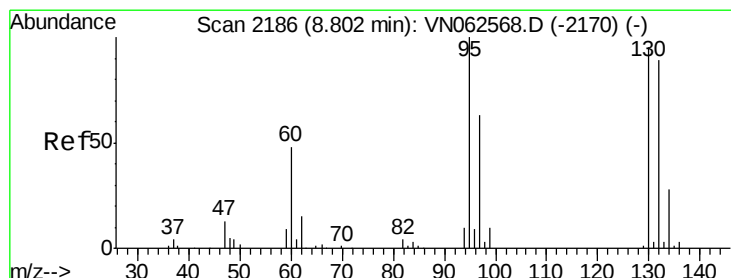
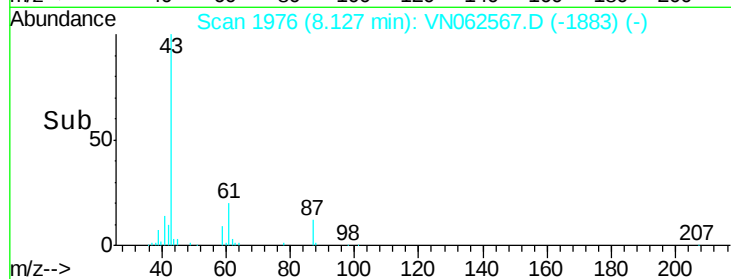
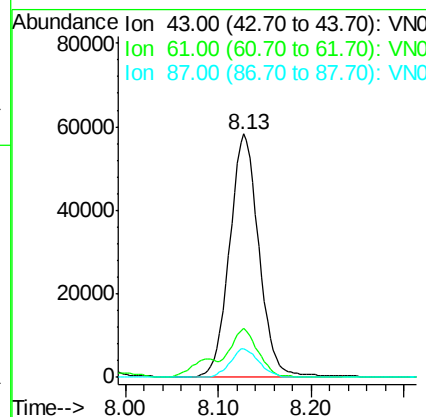
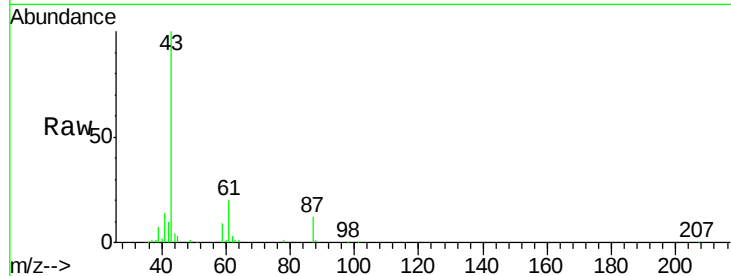
#43
Isopropyl Acetate
Concen: 20.555 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	20.8	31.2#
87	11.4	9.2	13.8

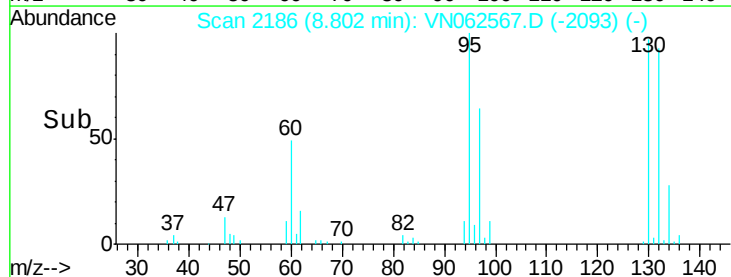
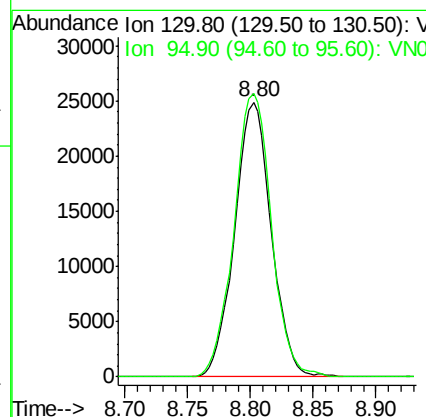
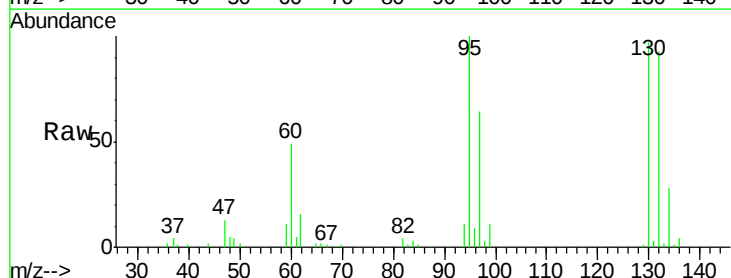
Manual Integrations
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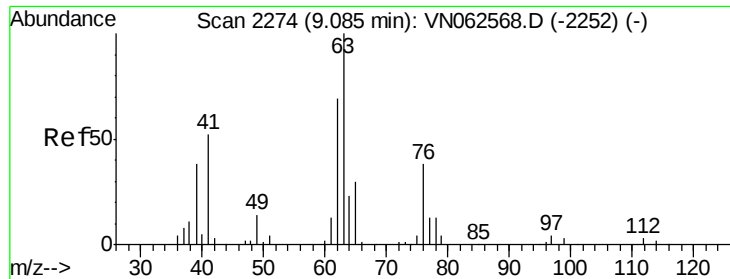
MMDadoda
7/22/2020 2:45:36 PM



#44
Trichloroethene
Concen: 22.535 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	210.4





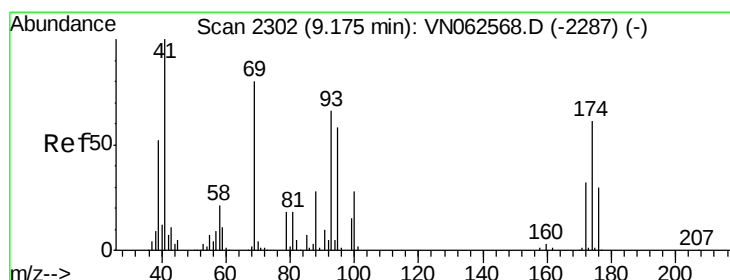
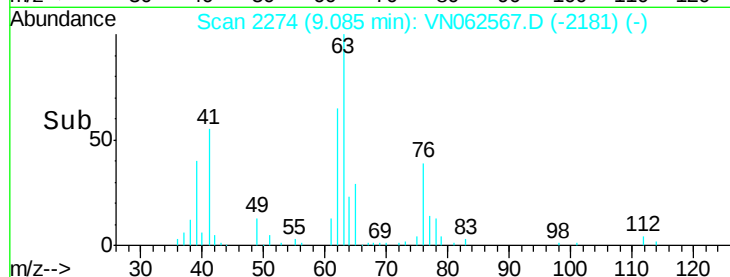
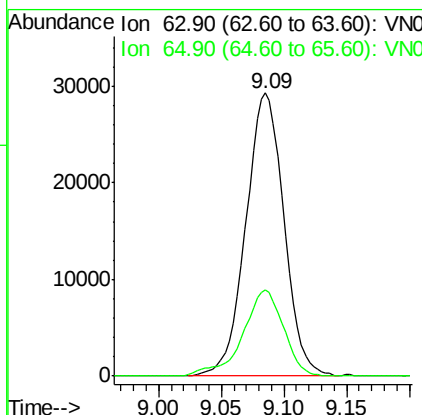
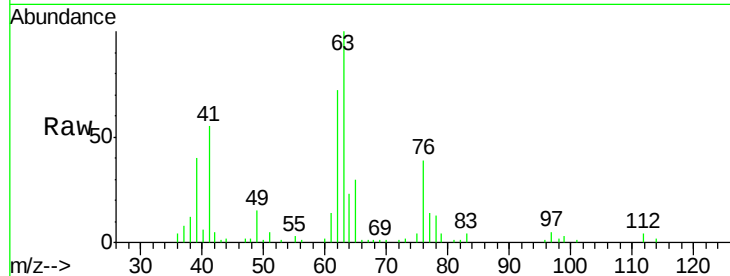
#45
 1,2-Dichloropropane
 Concen: 21.386 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 62075
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6

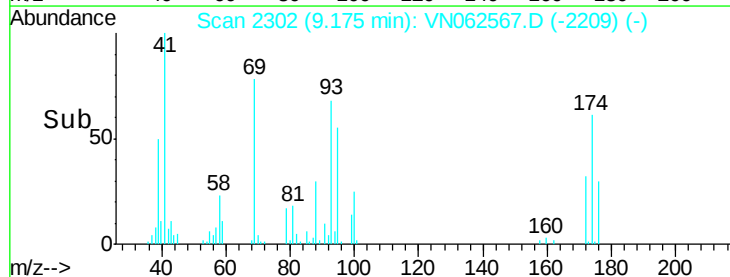
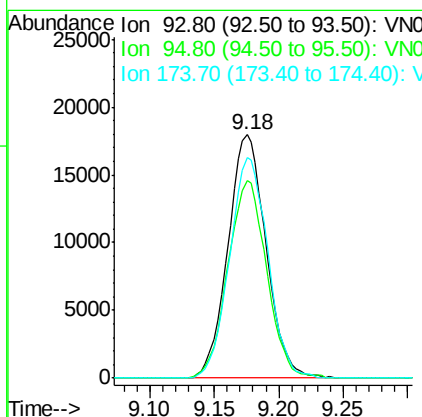
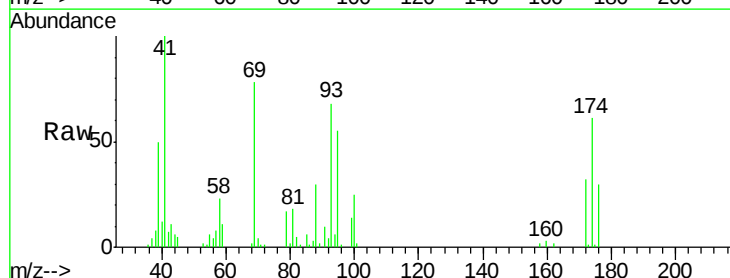
Manual Integrations
 APPROVED

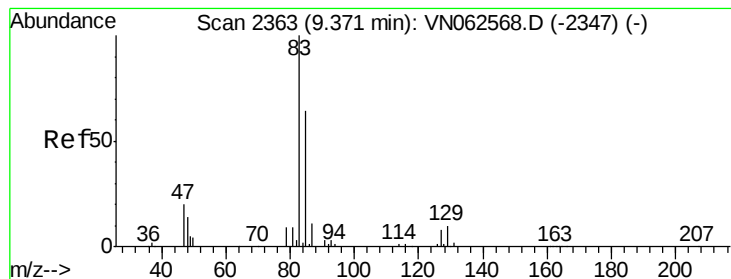
MMDadoda
 7/22/2020 2:45:36 PM



#46
 Dibromomethane
 Concen: 22.370 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion: 93 Resp: 36884
 Ion Ratio Lower Upper
 93 100
 95 82.5 67.6 101.4
 174 90.9 72.5 108.7





#47

Bromodichloromethane

Concen: 22.287 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

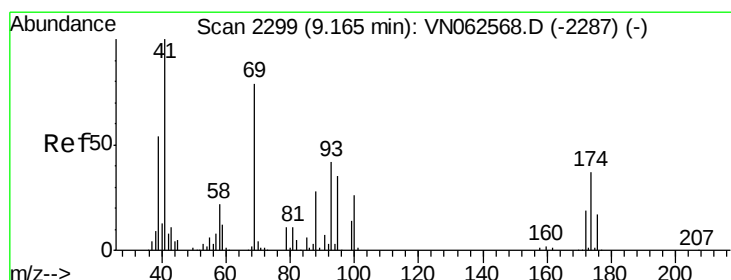
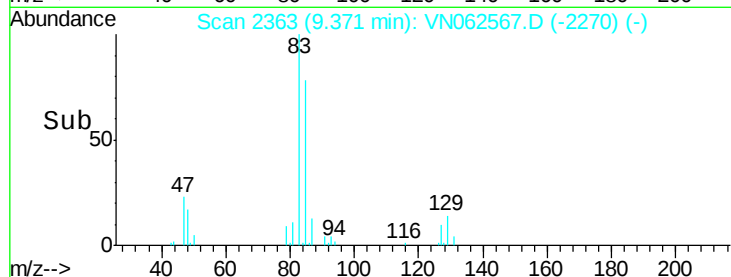
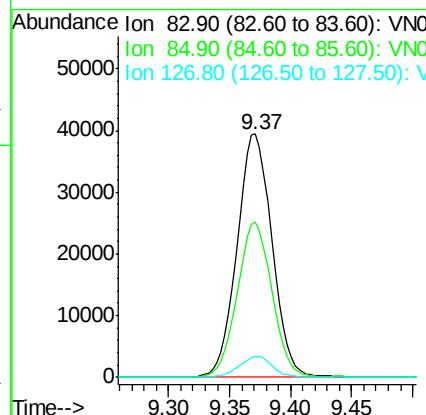
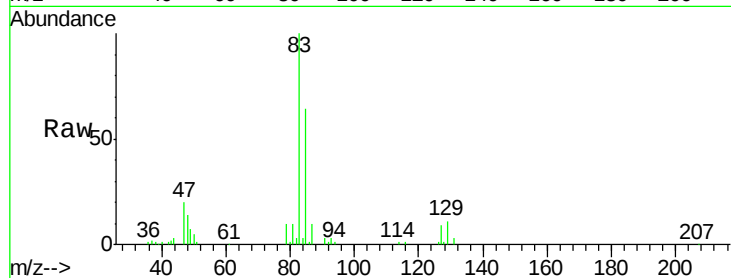
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	78368
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.6	77.4
127	8.5	6.2	9.2

Manual Integrations
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MMDadoda
7/22/2020 2:45:36 PM



#48

Methyl methacrylate

Concen: 19.672 ug/l

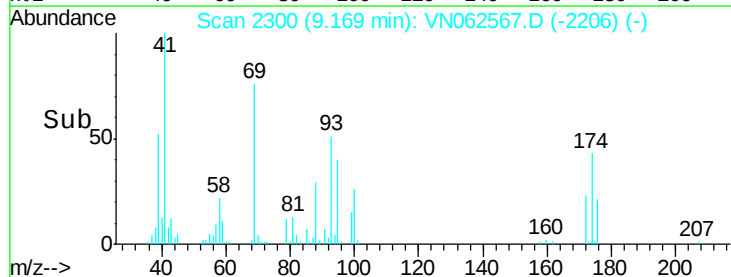
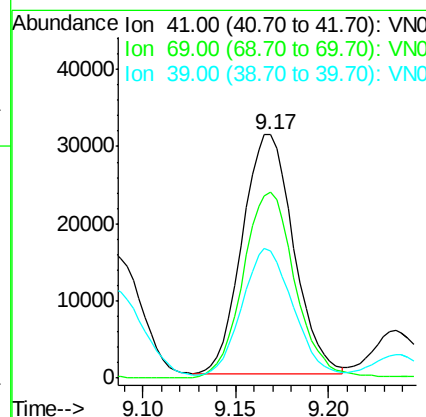
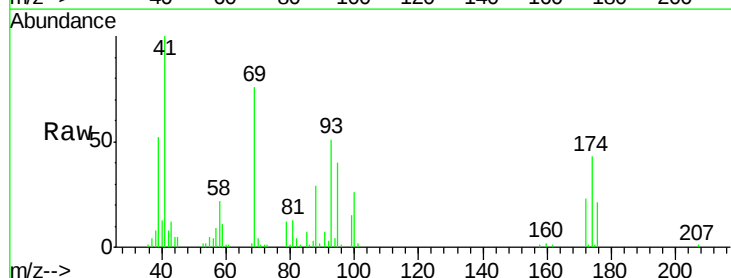
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	41	Resp:	59867
Ion	Ratio	Lower	Upper
41	100		
69	79.1	64.4	96.6
39	51.8	43.5	65.3





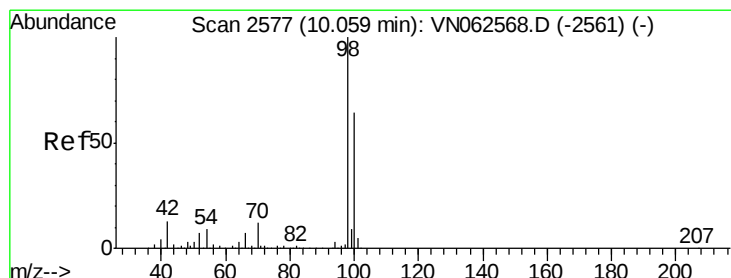
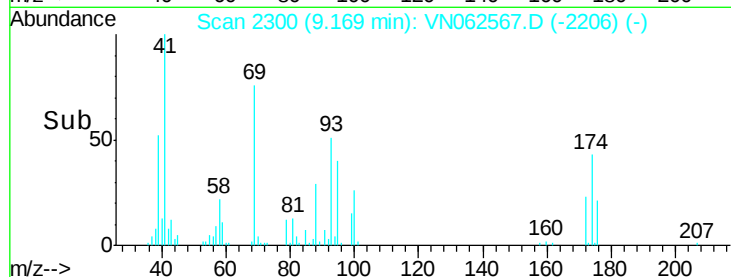
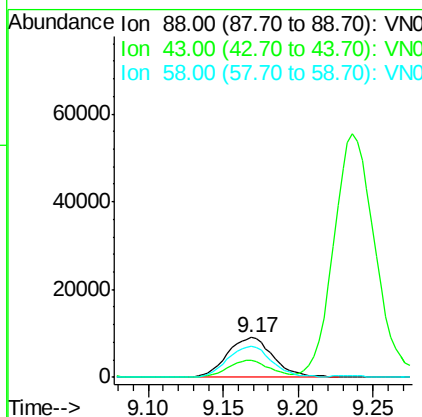
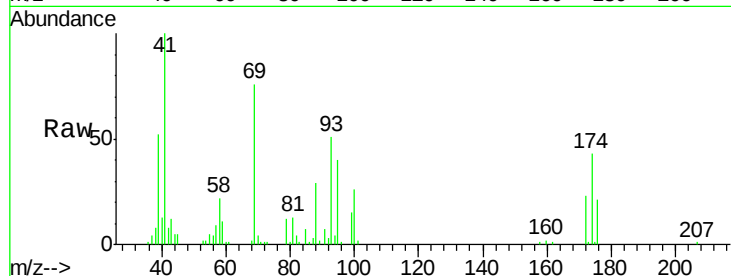
#49
1,4-Dioxane
Concen: 433.910 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	19448
Ion Ratio	Lower	Upper	
88	100		
43	39.6	32.0	48.0
58	75.6	62.8	94.2

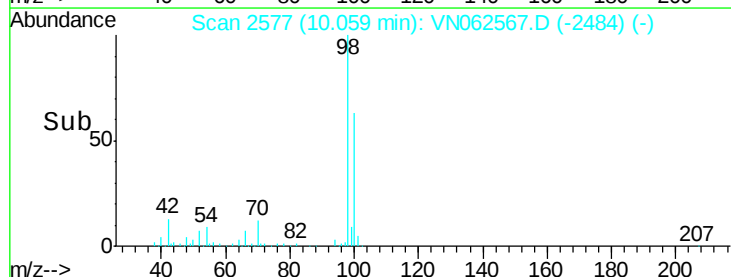
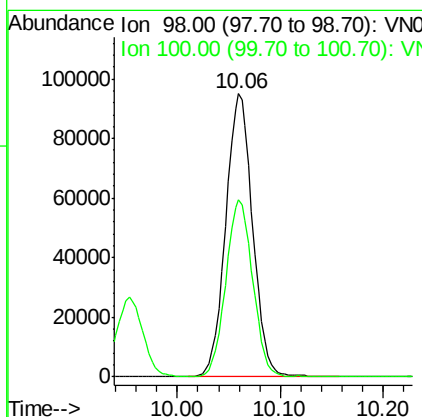
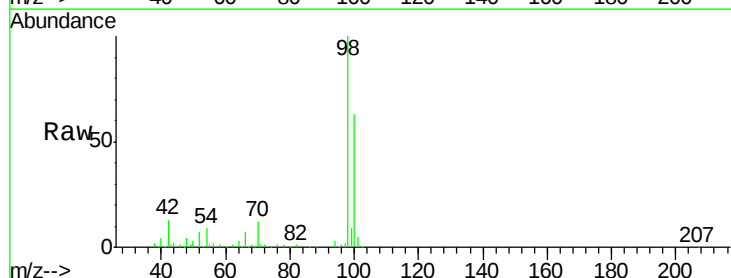
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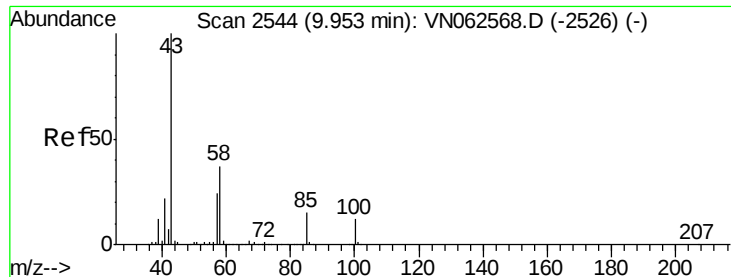
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#50
Toluene-d8
Concen: 20.881 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	98	Resp	172675
Ion Ratio	Lower	Upper	
98	100		
100	61.9	50.9	76.3





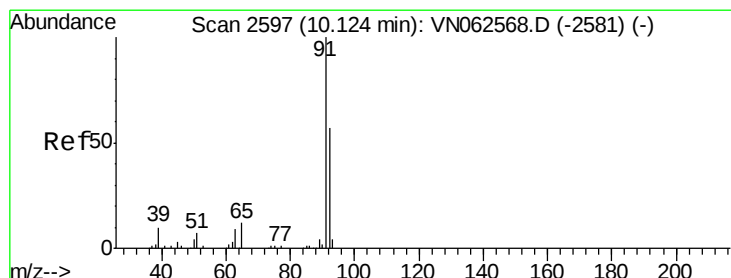
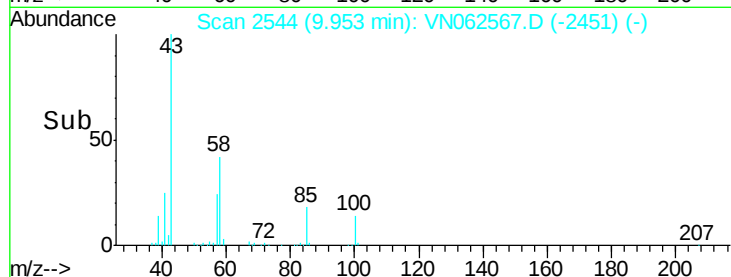
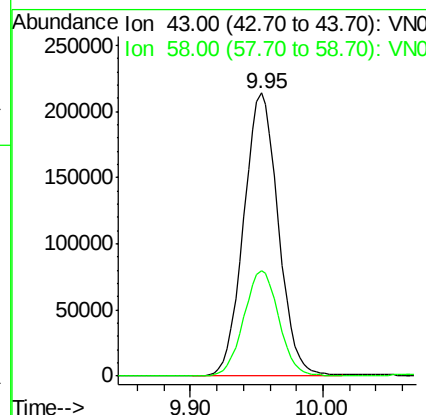
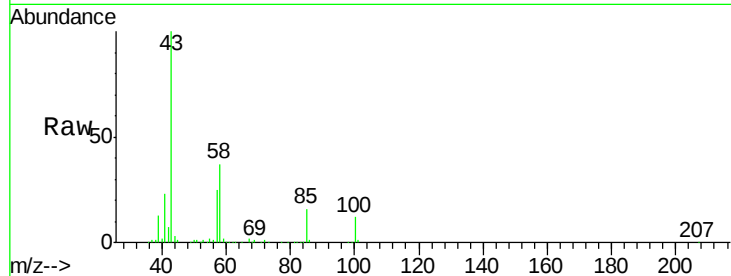
#51
 4-Methyl-2-Pentanone
 Concen: 104.330 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.7	29.8	44.6

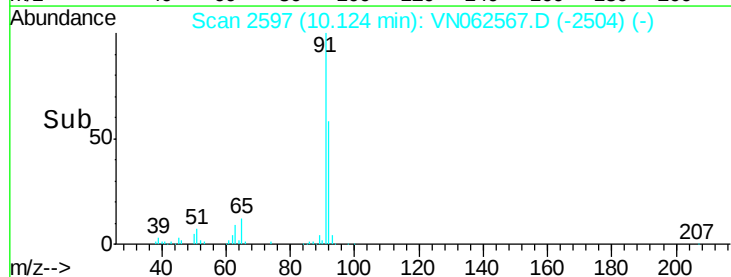
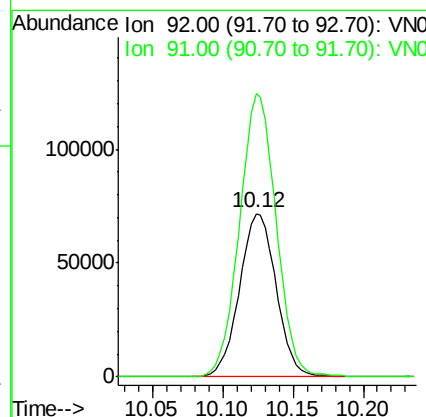
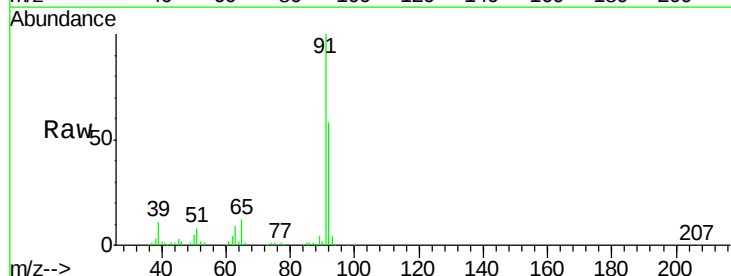
Manual Integrations
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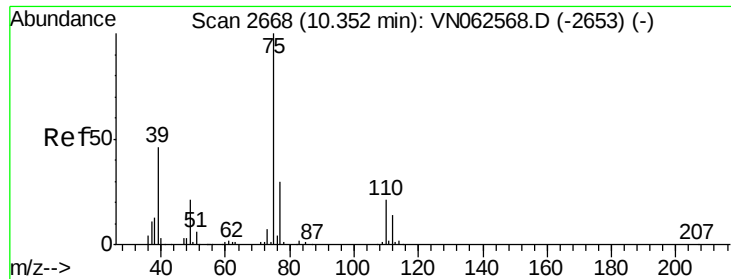
MMDadoda
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#52
 Toluene
 Concen: 22.430 ug/l
 RT: 10.12 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.6	139.4	209.2





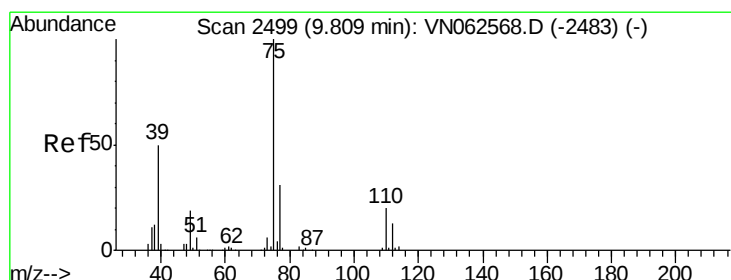
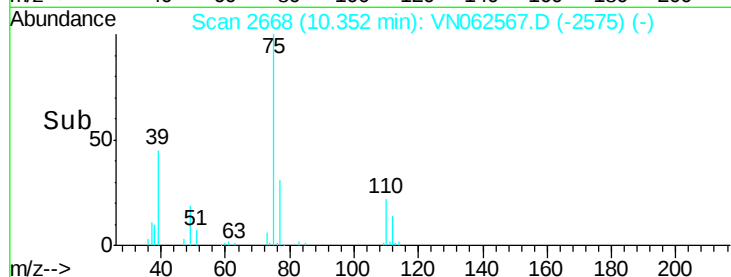
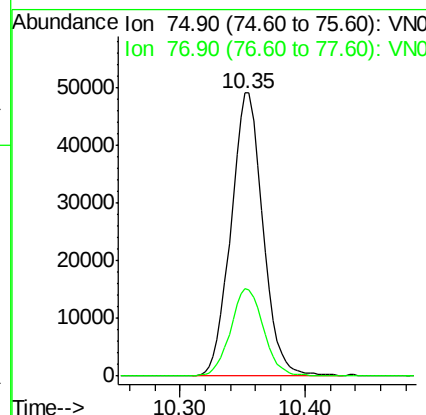
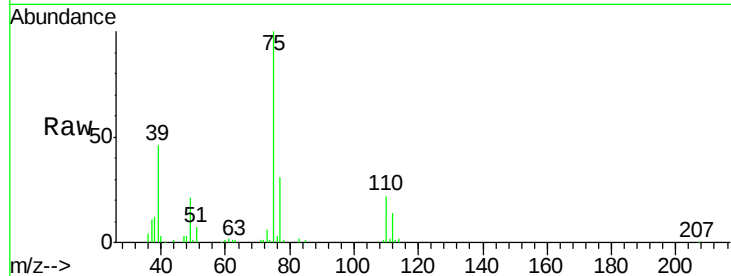
#53
t-1,3-Dichloropropene
Concen: 21.949 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 75 Resp: 86724
Ion Ratio Lower Upper
75 100
77 30.8 24.3 36.5

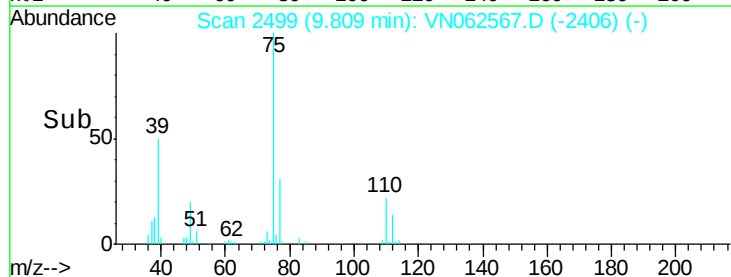
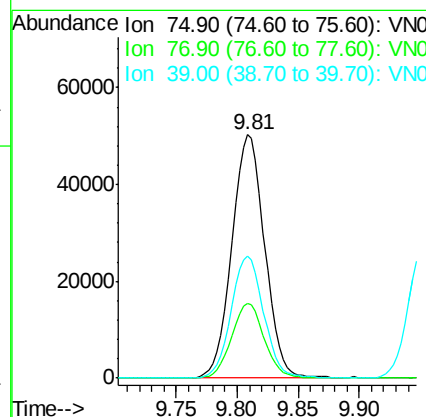
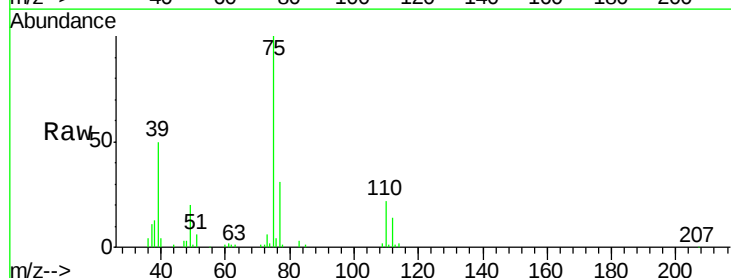
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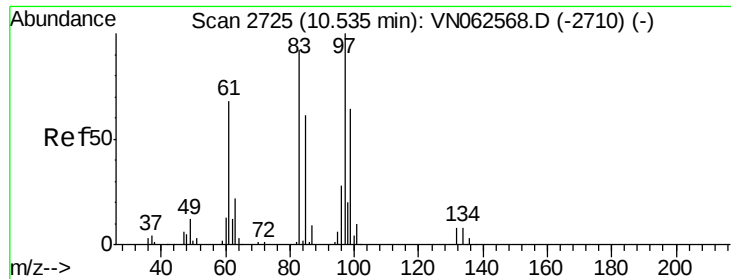
MMDadoda
7/22/2020 2:45:36 PM



#54
cis-1,3-Dichloropropene
Concen: 21.674 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion: 75 Resp: 94275
Ion Ratio Lower Upper
75 100
77 30.7 25.0 37.6
39 49.9 39.8 59.8





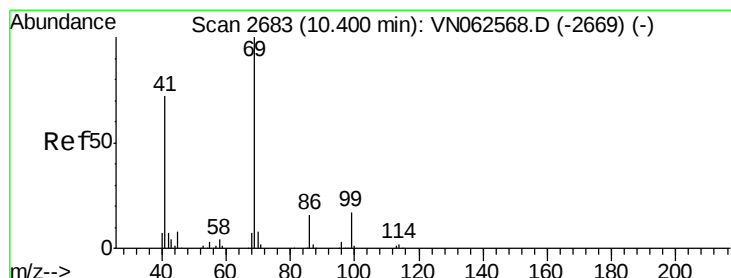
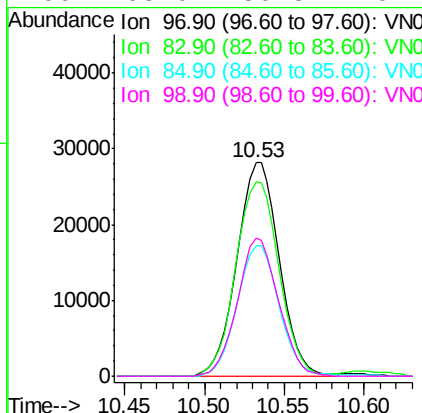
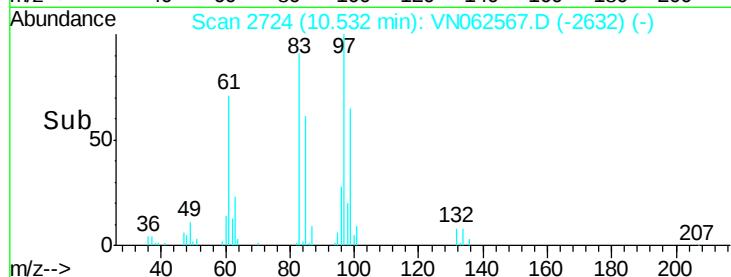
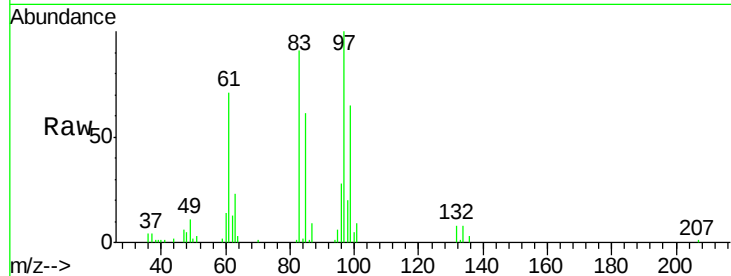
#55
 1,1,2-Trichloroethane
 Concen: 22.324 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	50886
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.7	110.5
85	61.4	48.5	72.7
99	65.0	50.8	76.2

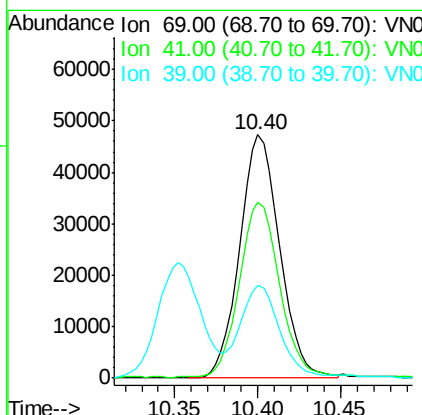
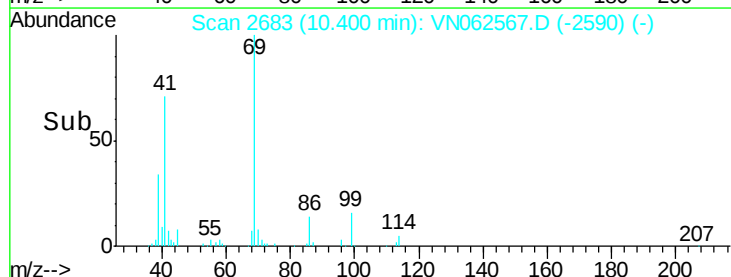
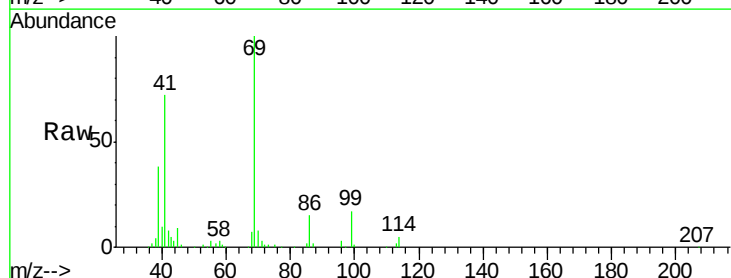
Manual Integrations
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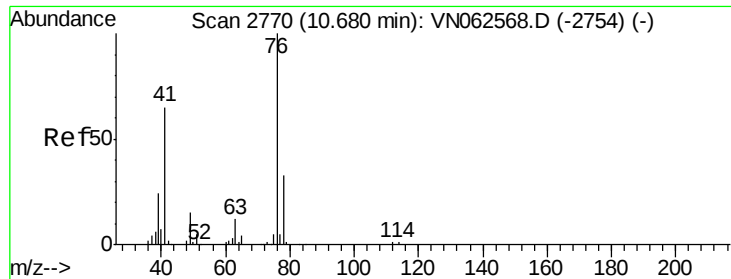
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 7/22/2020 2:45:36 PM



#56
 Ethyl methacrylate
 Concen: 20.933 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion:	69	Resp:	79486
Ion	Ratio	Lower	Upper
69	100		
41	72.3	57.2	85.8
39	36.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 22.316 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 94071

Ion Ratio Lower Upper

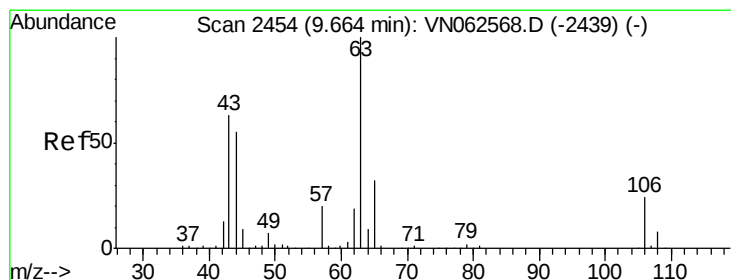
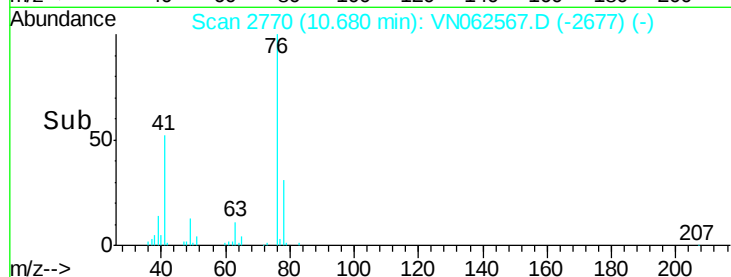
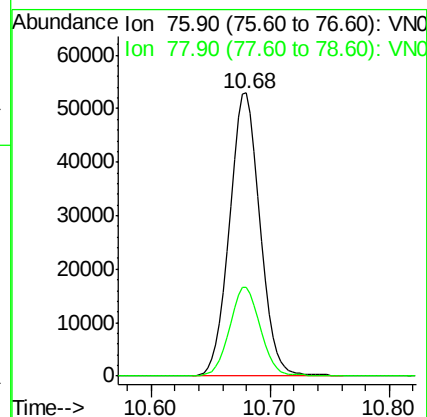
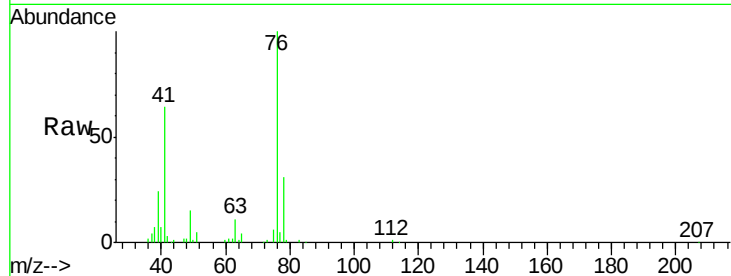
76 100

78 31.5 26.3 39.5

Manual Integrations
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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 80.264 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062567.D

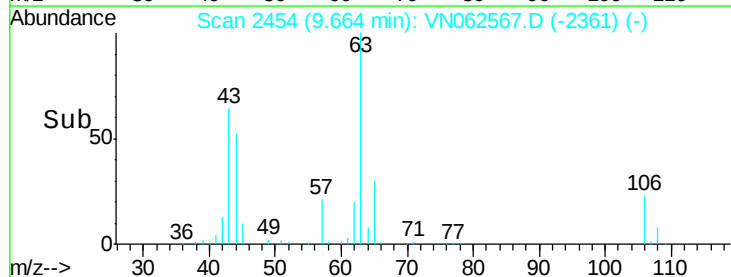
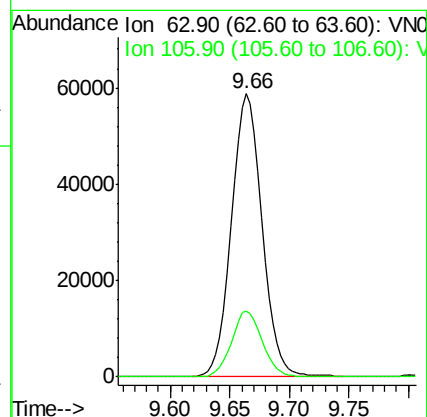
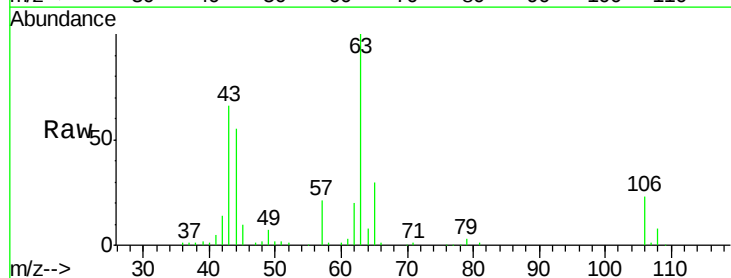
Acq: 21 Jul 2020 12:21

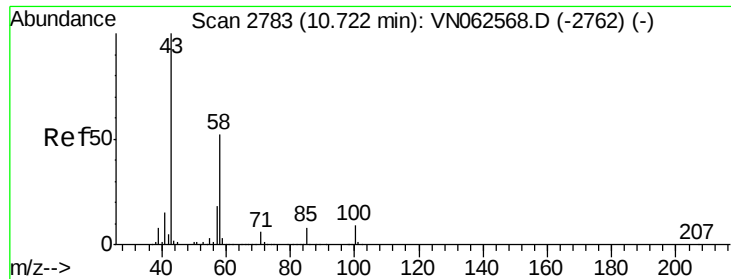
Tgt Ion: 63 Resp: 105049

Ion Ratio Lower Upper

63 100

106 23.2 18.9 28.3





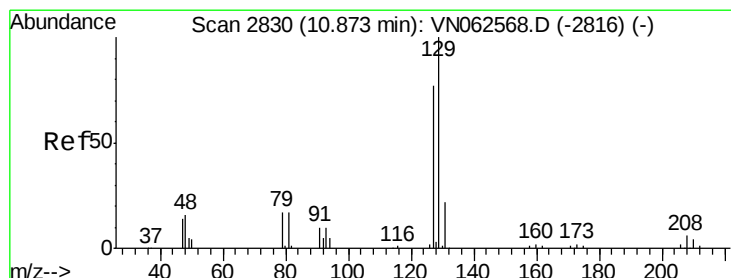
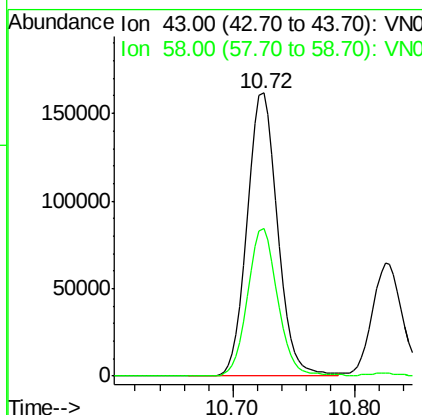
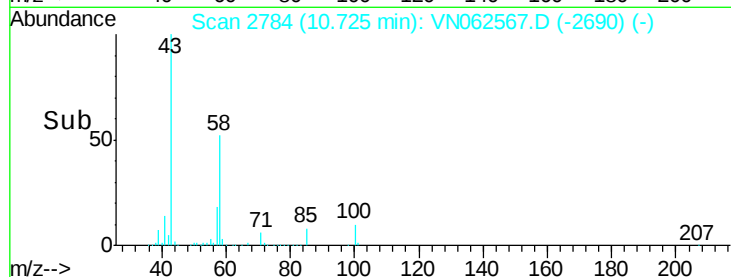
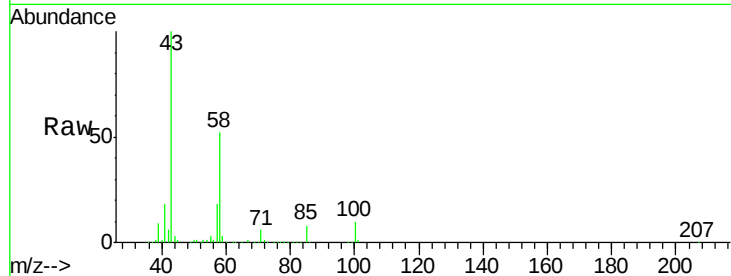
#59
2-Hexanone
Concen: 102.623 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 43 Resp: 277179
Ion Ratio Lower Upper
43 100
58 51.8 26.0 78.0

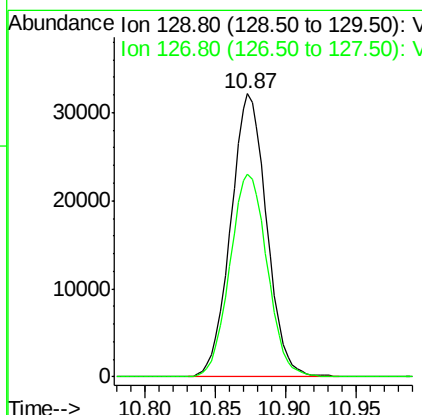
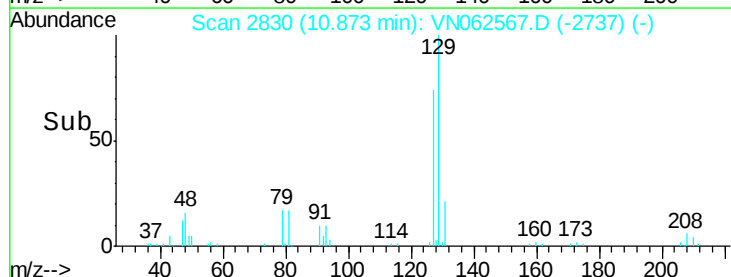
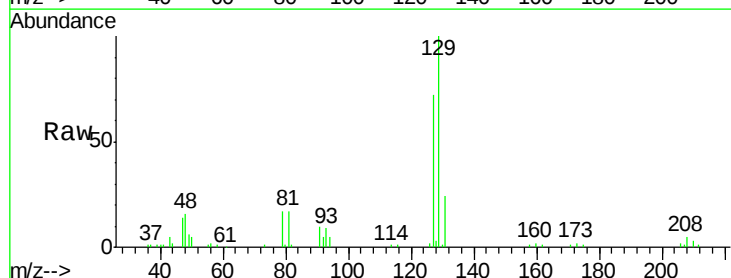
Manual Integrations
APPROVED

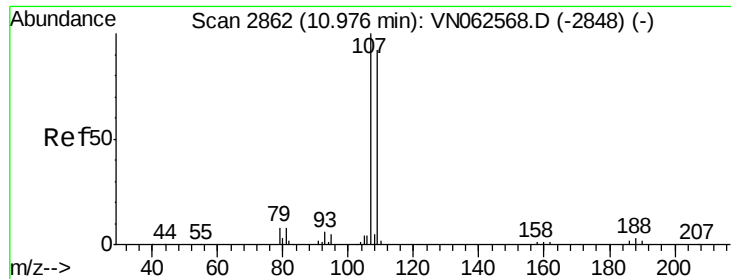
MMDadoda
7/22/2020 2:45:36 PM



#60
Dibromochloromethane
Concen: 22.951 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion: 129 Resp: 57262
Ion Ratio Lower Upper
129 100
127 74.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 22.318 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 51759

Ion Ratio Lower Upper

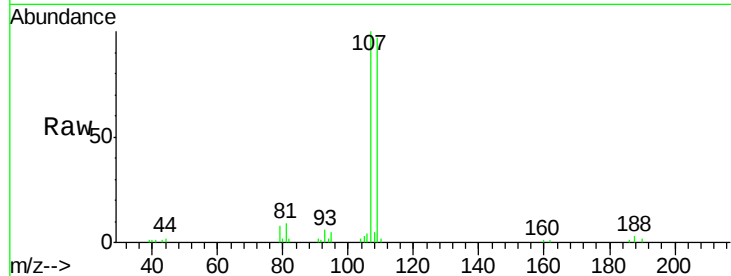
107 100

109 95.7 73.8 110.6

Manual Integrations
APPROVED

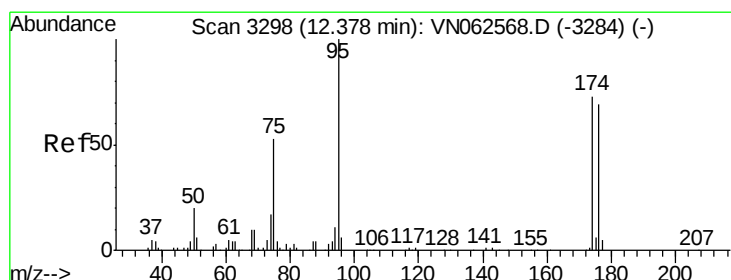
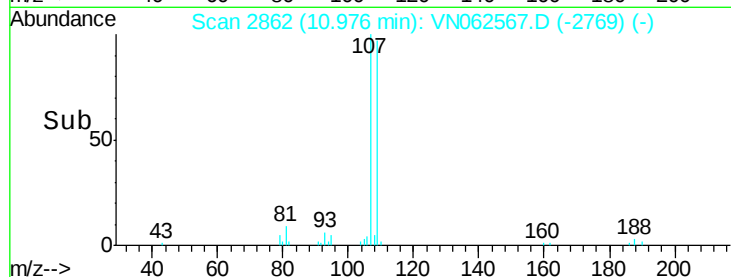
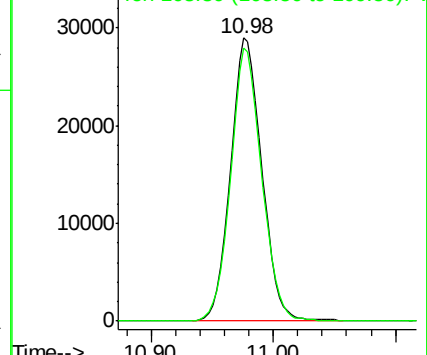
MMDadoda

7/22/2020 2:45:36 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 19.855 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

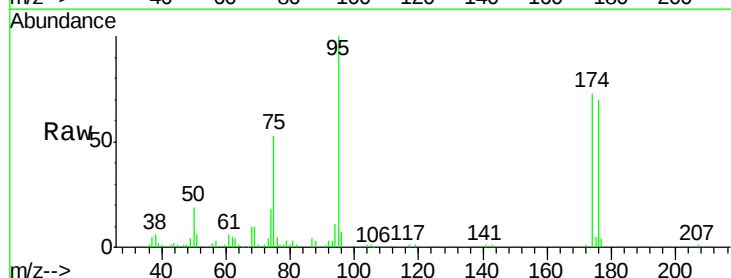
Tgt Ion: 95 Resp: 60237

Ion Ratio Lower Upper

95 100

174 72.3 0.0 144.6

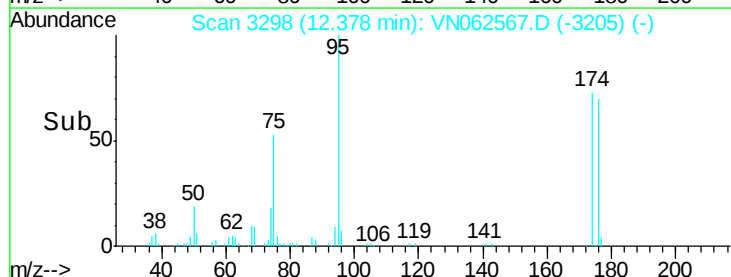
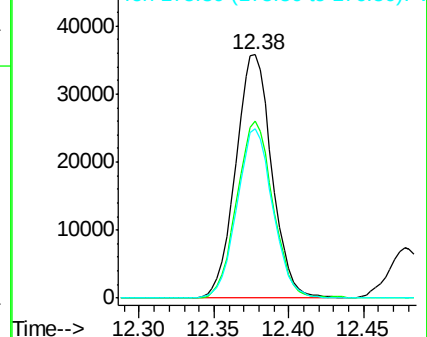
176 68.8 0.0 139.4

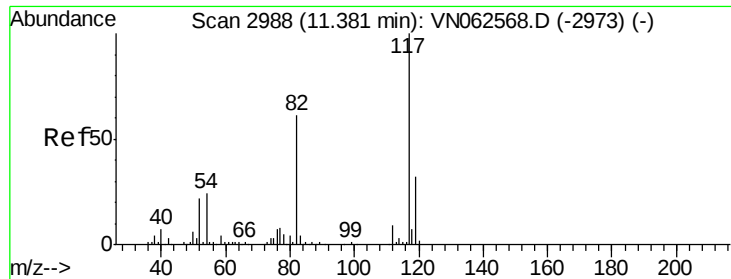


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





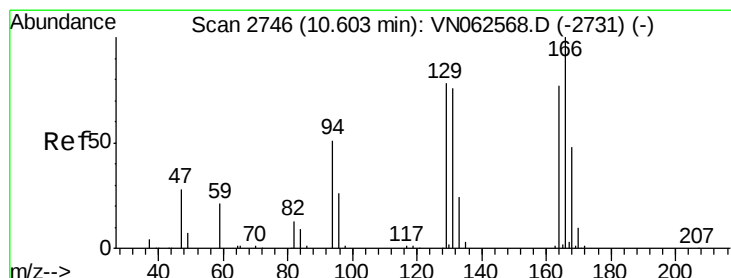
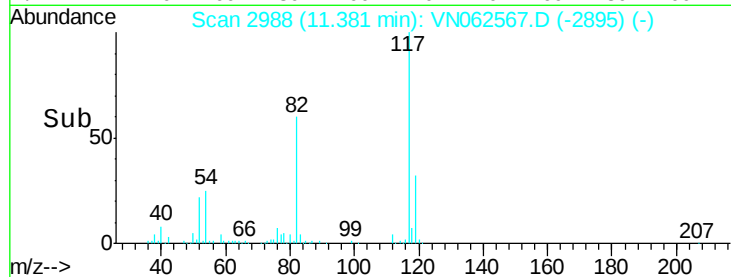
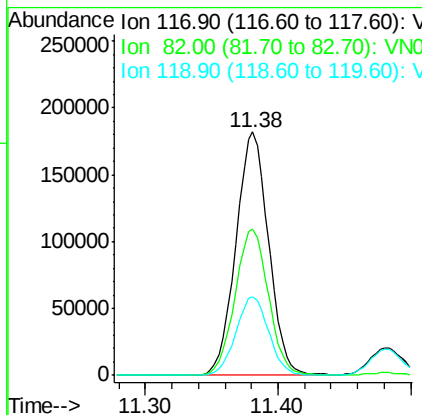
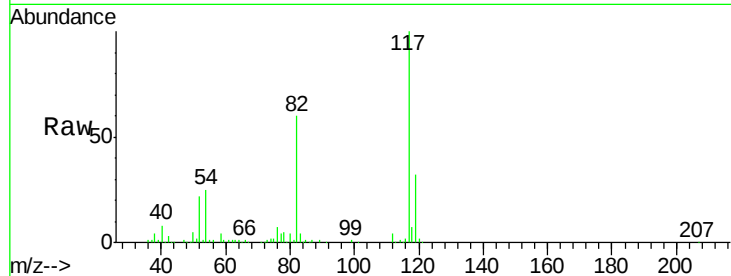
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.0	73.6
119	32.3	25.4	38.2

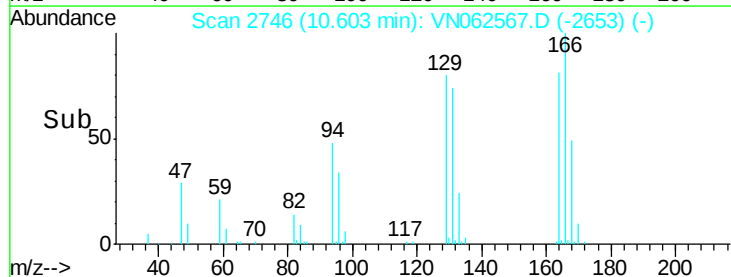
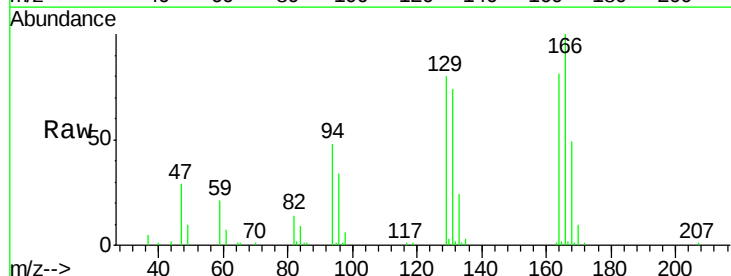
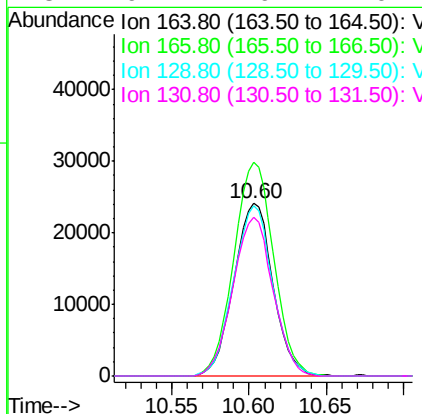
Manual Integrations
APPROVED

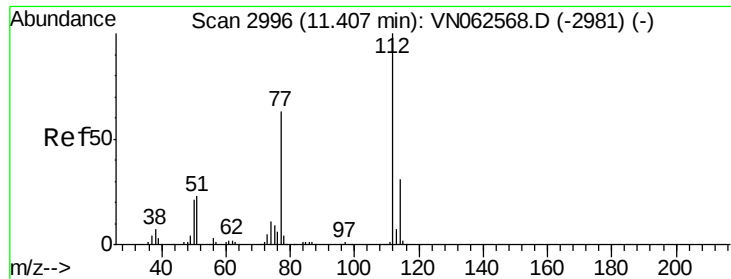
MMDadoda
7/22/2020 2:45:36 PM



#64
Tetrachloroethene
Concen: 22.679 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.8	104.4	156.6
129	98.9	81.0	121.4
131	92.1	79.4	119.2





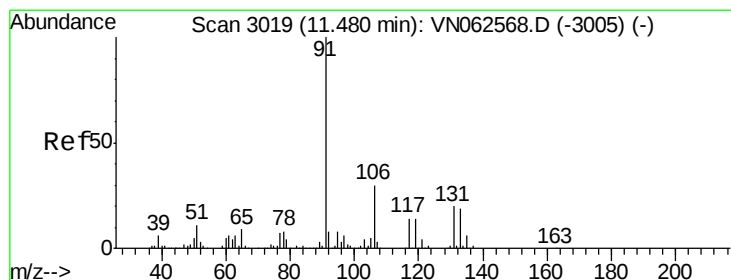
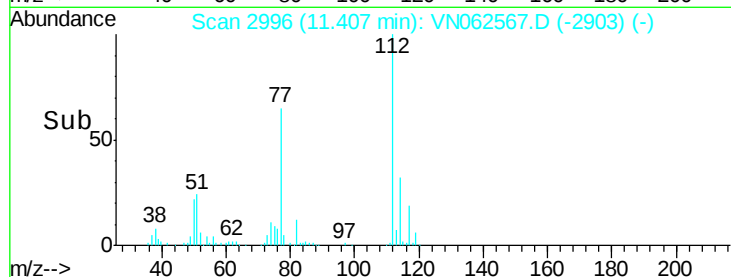
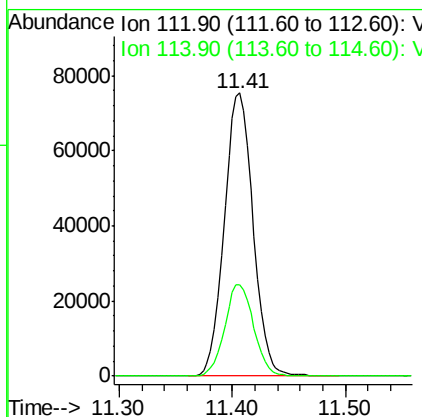
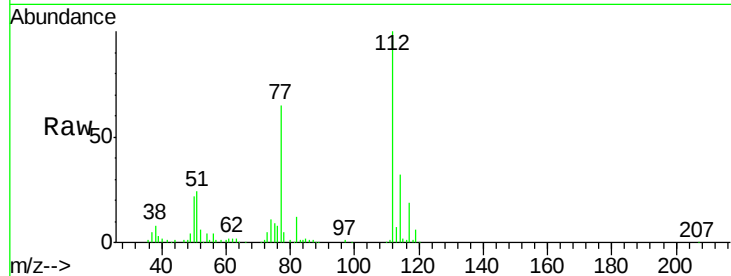
#65
Chlorobenzene
Concen: 21.921 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion:112 Resp: 133433
Ion Ratio Lower Upper
112 100
114 32.5 25.1 37.7

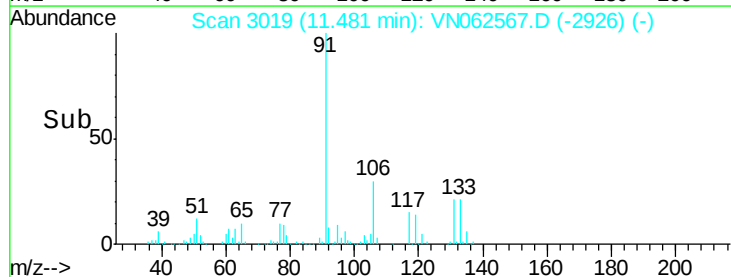
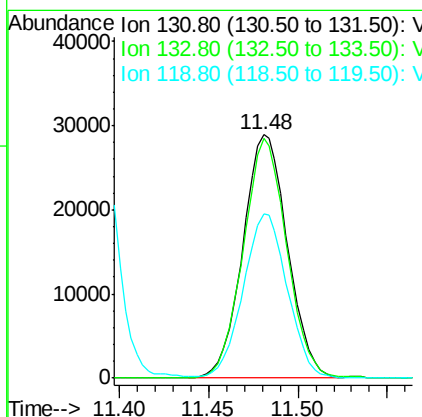
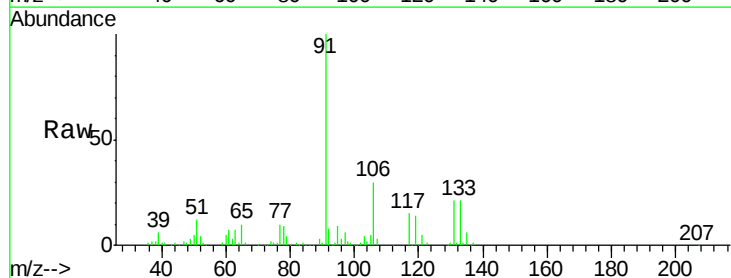
Manual Integrations
APPROVED

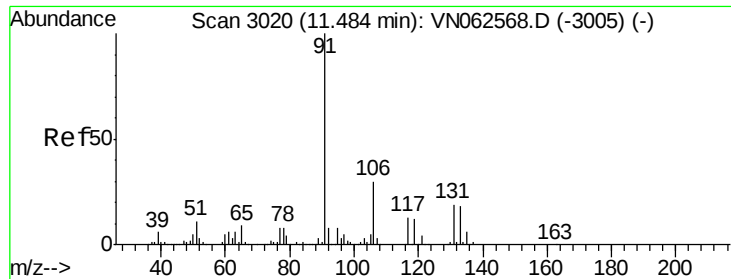
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.541 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion:131 Resp: 50589
Ion Ratio Lower Upper
131 100
133 96.4 47.3 142.0
119 66.5 33.7 101.0





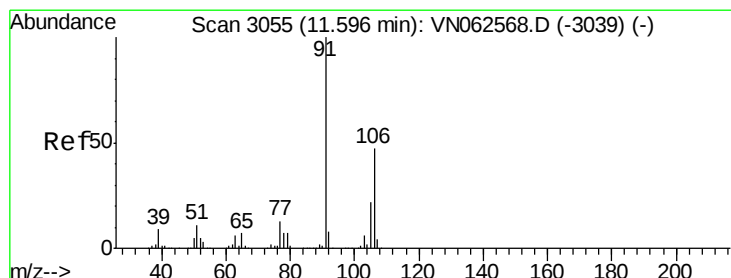
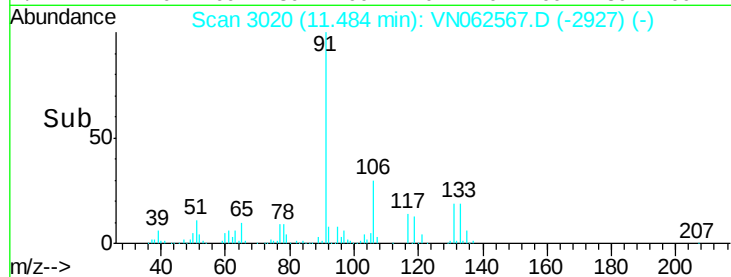
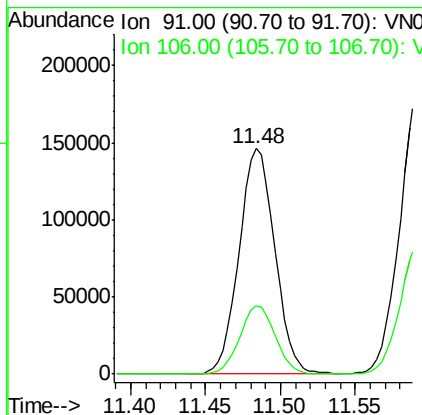
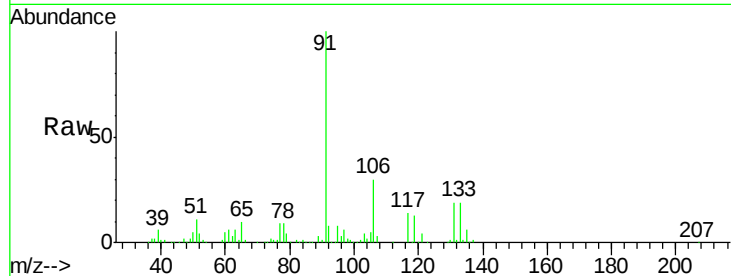
#67
Ethyl Benzene
Concen: 21.465 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion: 91 Resp: 244326
Ion Ratio Lower Upper
91 100
106 30.2 23.8 35.8

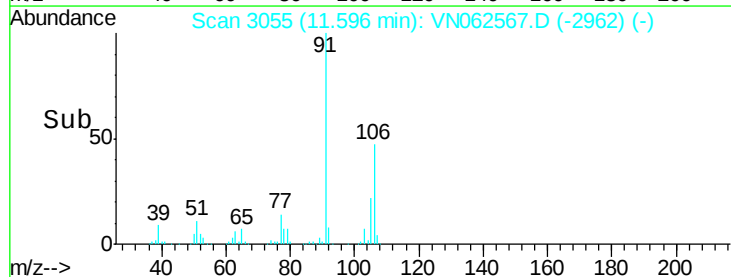
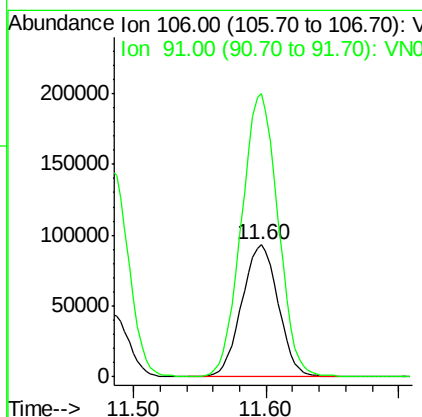
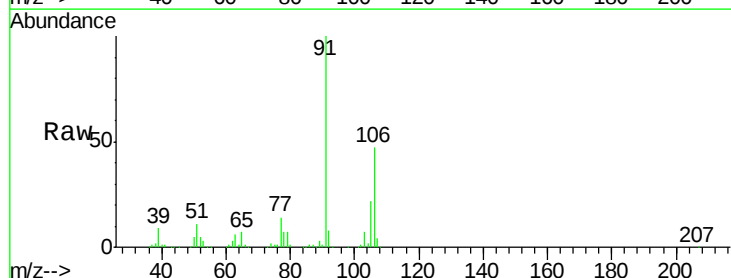
Manual Integrations
APPROVED

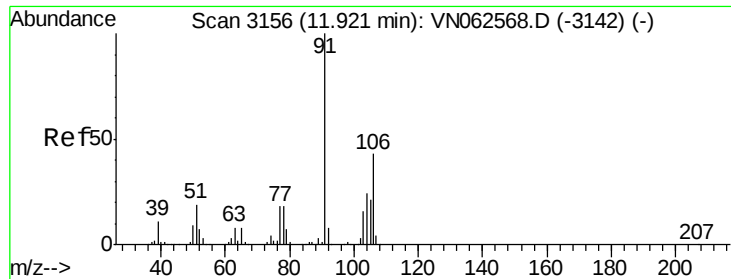
MMDadoda
7/22/2020 2:45:36 PM



#68
m/p-Xylenes
Concen: 44.112 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion: 106 Resp: 178525
Ion Ratio Lower Upper
106 100
91 215.0 171.4 257.2





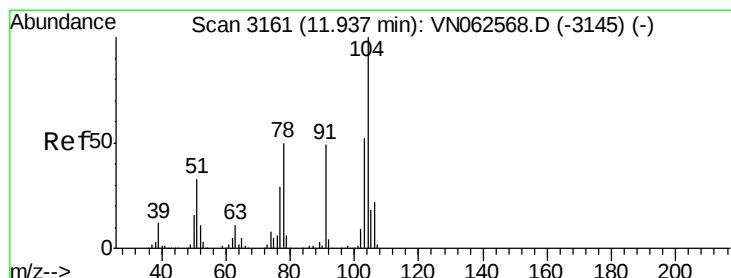
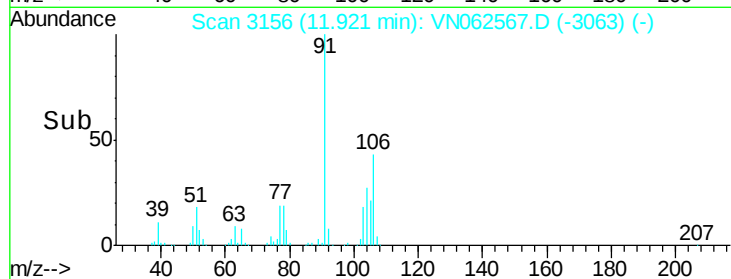
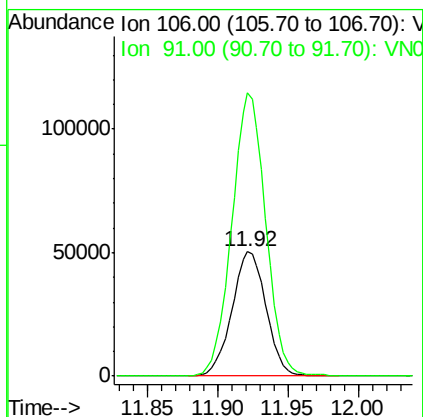
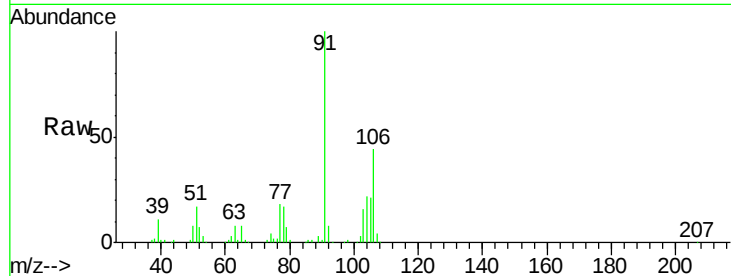
#69
o-Xylene
Concen: 21.702 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	225.9	113.8	341.2

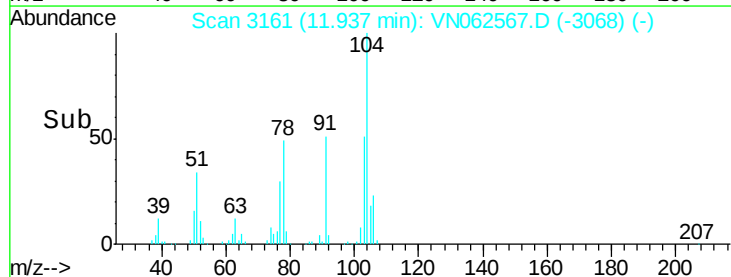
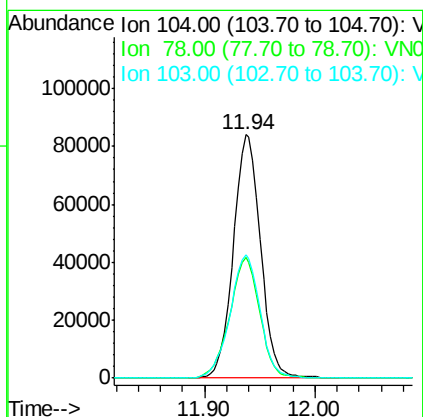
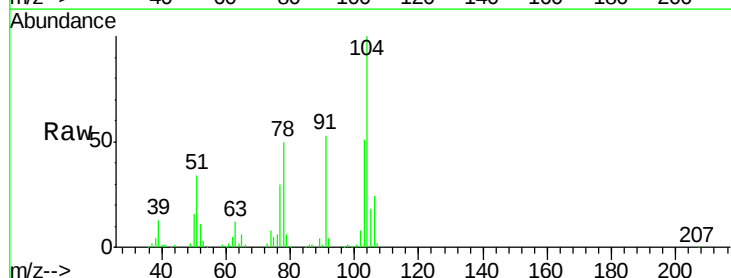
Manual Integrations
APPROVED

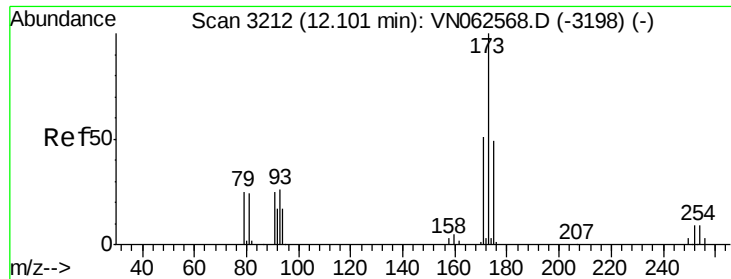
MMDadoda
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#70
Styrene
Concen: 22.192 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.5	43.8	65.6
103	103	55.7	44.0	66.0





#71

Bromoform

Concen: 22.817 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:173 Resp: 37685

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.2

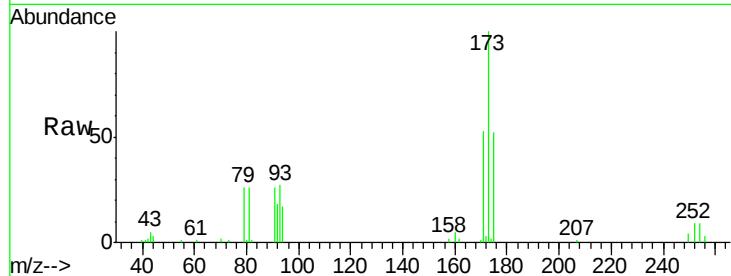
254 0.0 0.0 0.0

Manual Integrations

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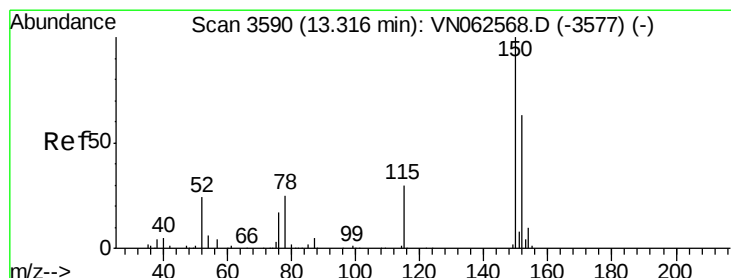
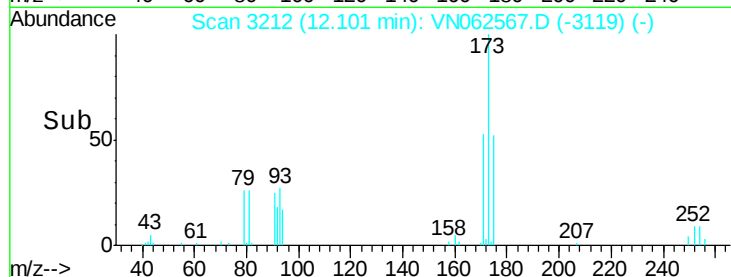
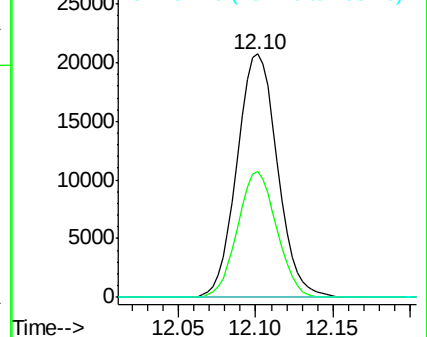
7/22/2020 2:45:36 PM



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# 3591

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

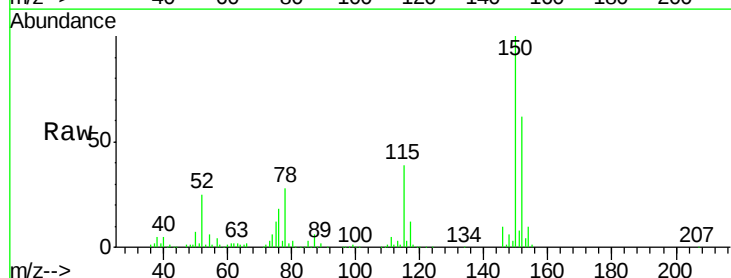
Tgt Ion:152 Resp: 138451

Ion Ratio Lower Upper

152 100

115 62.0 31.8 95.4

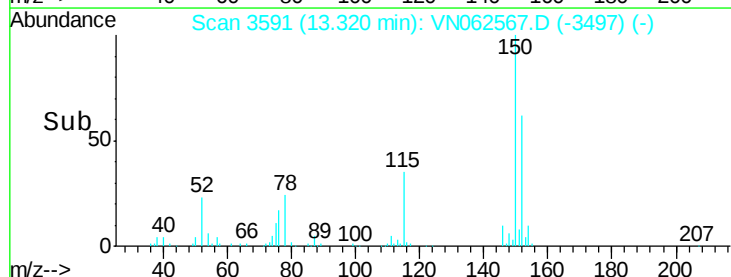
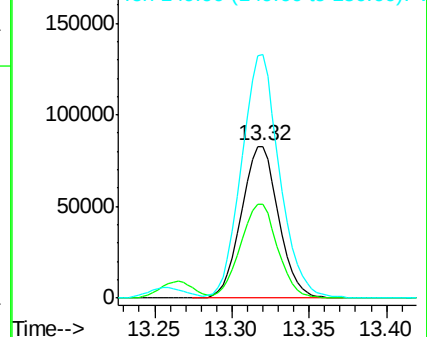
150 163.5 0.0 351.4

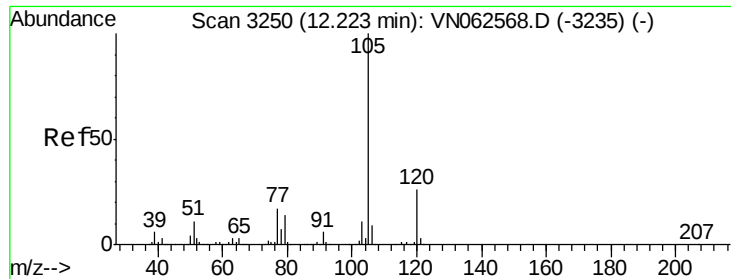


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.545 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 230313

Ion Ratio Lower Upper

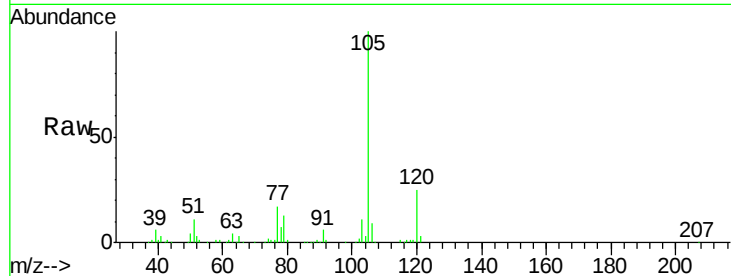
105 100

120 25.2 12.8 38.4

Manual Integrations
APPROVED

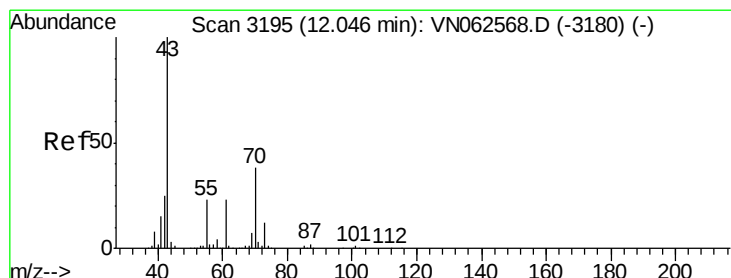
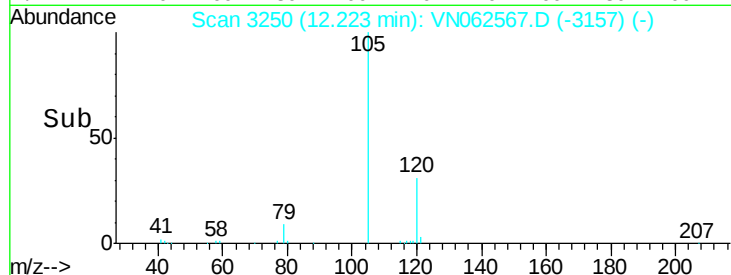
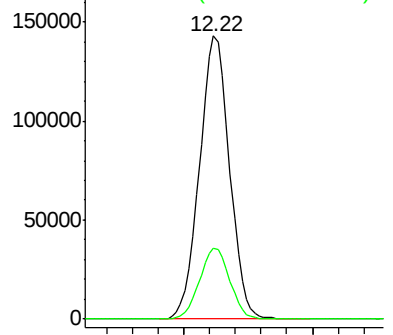
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.172 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion: 43 Resp: 103625

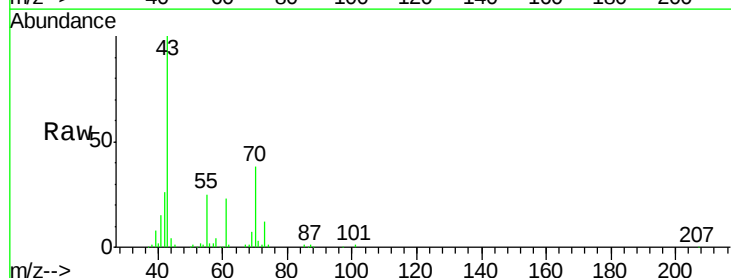
Ion Ratio Lower Upper

43 100

70 38.2 30.5 45.7

55 24.7 19.0 28.6

61 22.4 18.4 27.6

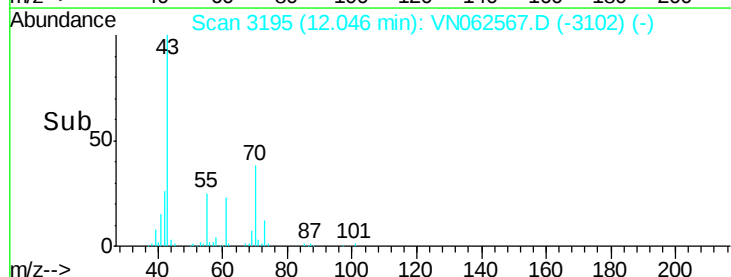
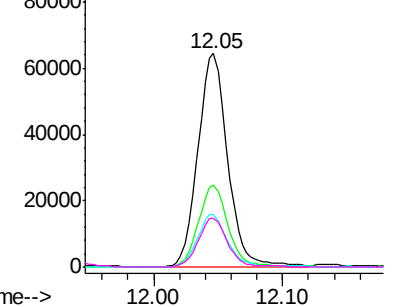


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.389 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

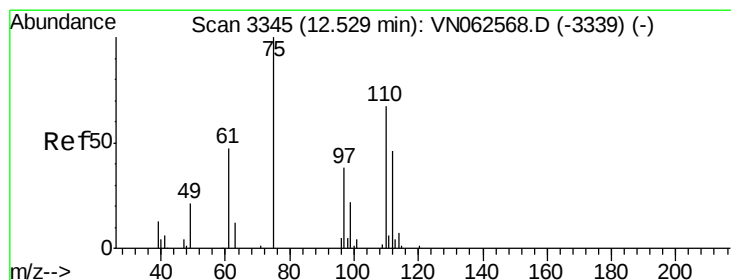
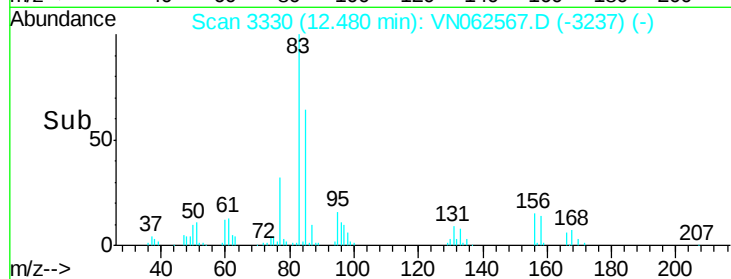
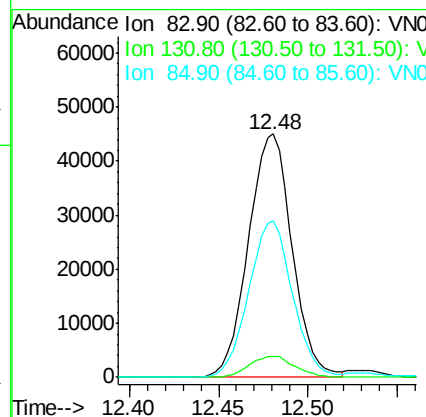
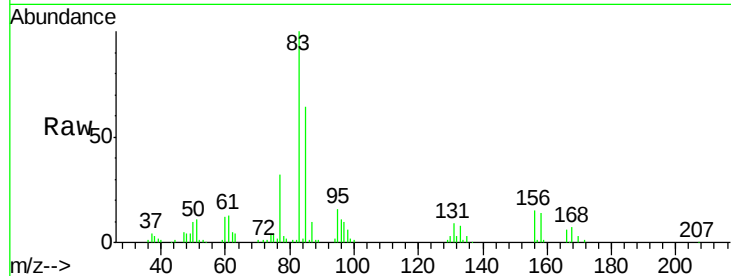
ClientSampled :

VSTDIC020

Tot Ion:	83	Resp:	76812
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.3
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.269 ug/l m

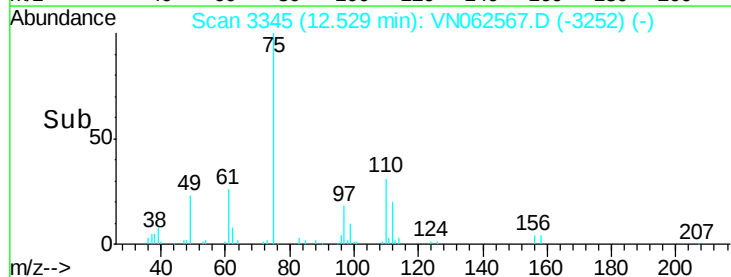
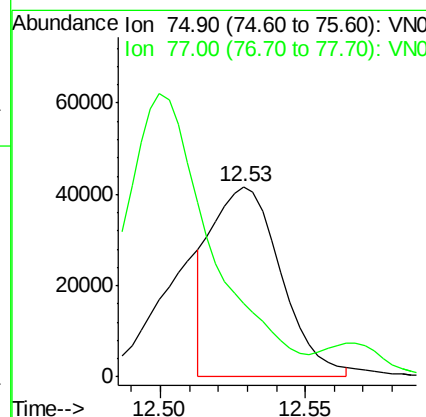
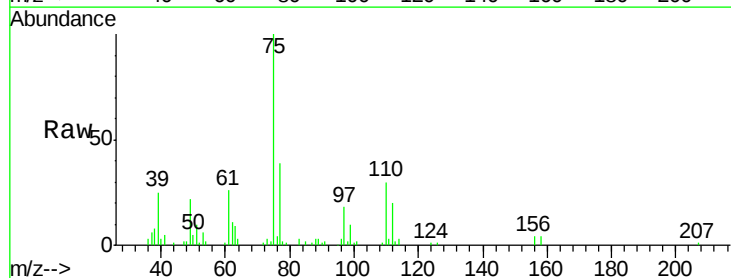
RT: 12.53 min Scan# 3345

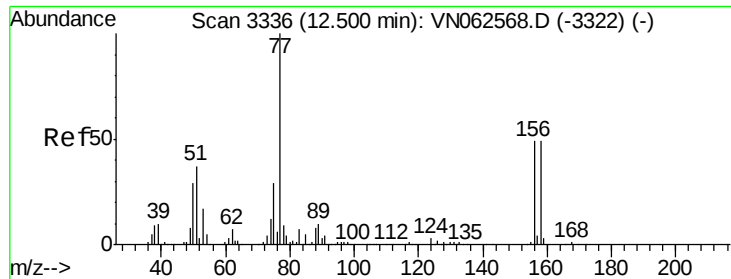
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	75	Resp:	69475
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.922 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

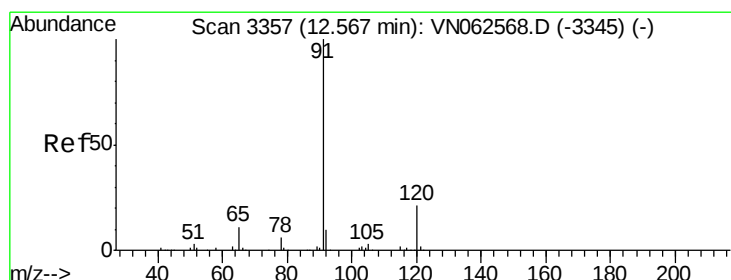
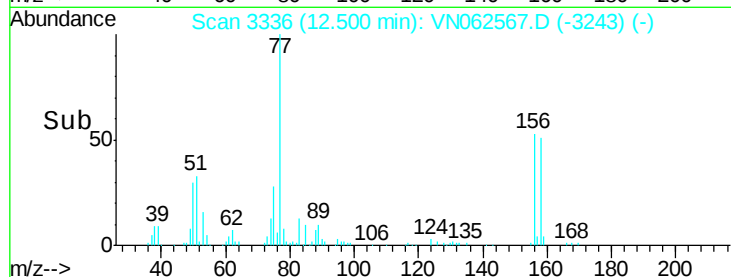
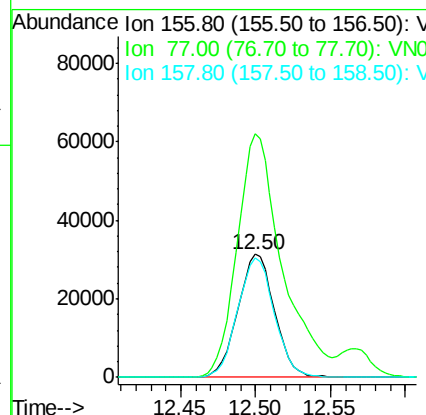
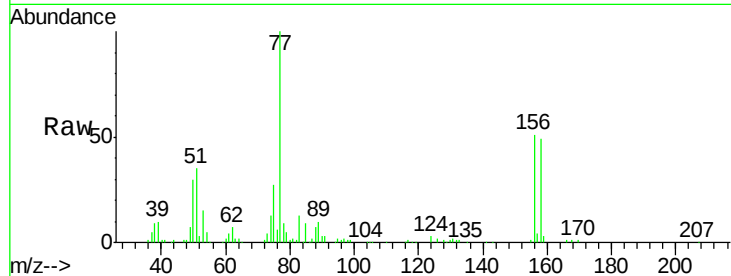
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	243.1	122.8	368.3
158	97.3	49.4	148.0

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#78

n-propylbenzene

Concen: 21.517 ug/l

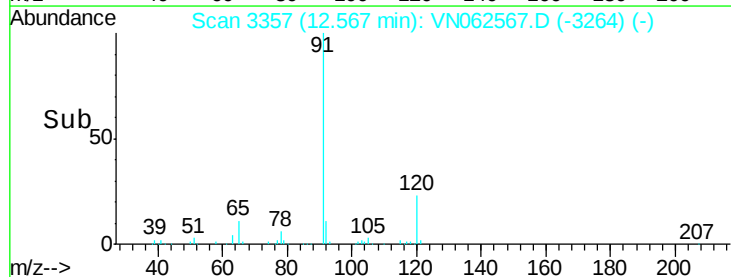
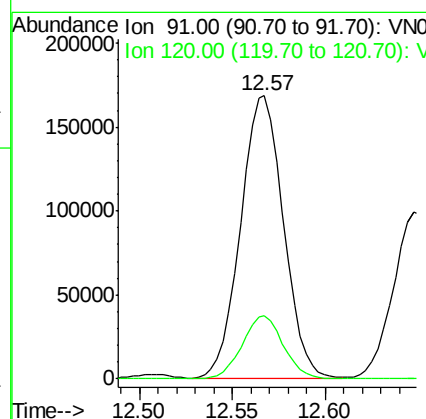
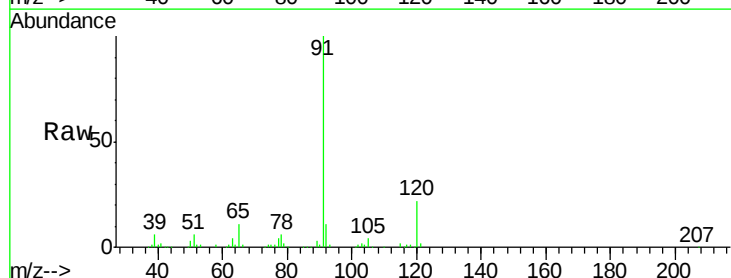
RT: 12.57 min Scan# 3357

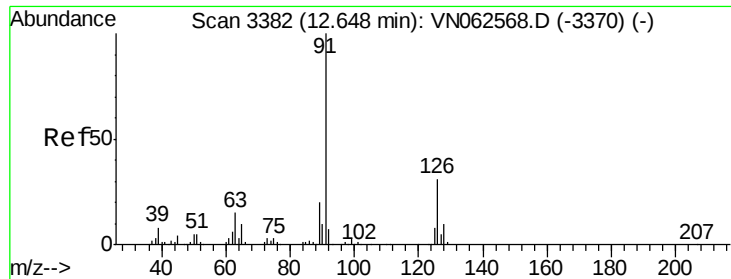
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.9	32.6





#79

2-Chlorotoluene

Concen: 21.636 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 164112

Ion Ratio Lower Upper

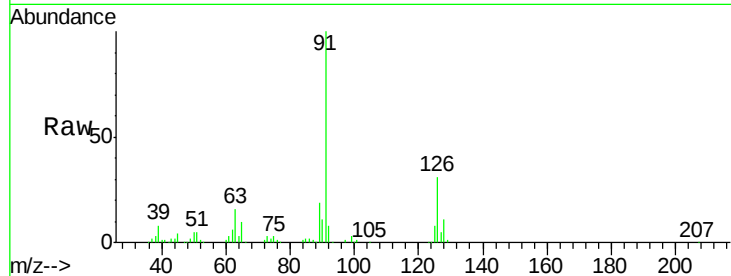
91 100

126 31.9 15.9 47.6

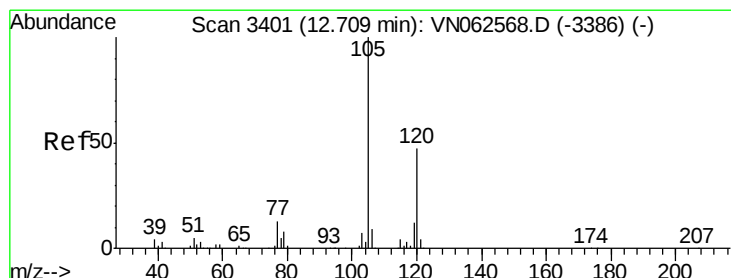
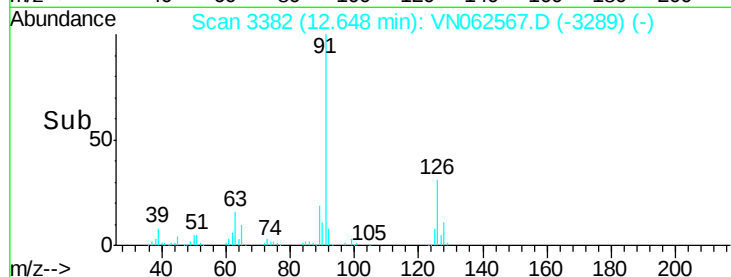
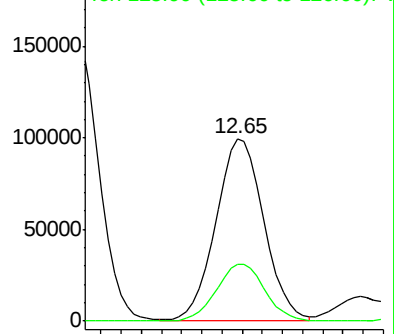
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Abundance Ion 91.00 (90.70 to 91.70): VN062567.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.897 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062567.D

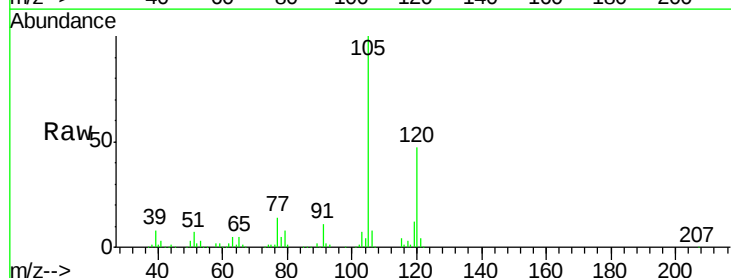
Acq: 21 Jul 2020 12:21

Tgt Ion: 105 Resp: 192809

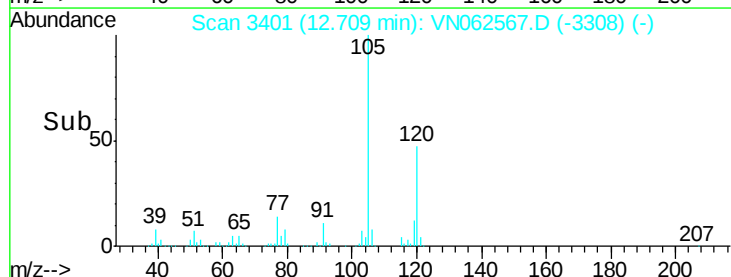
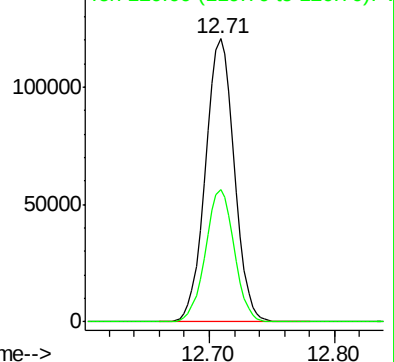
Ion Ratio Lower Upper

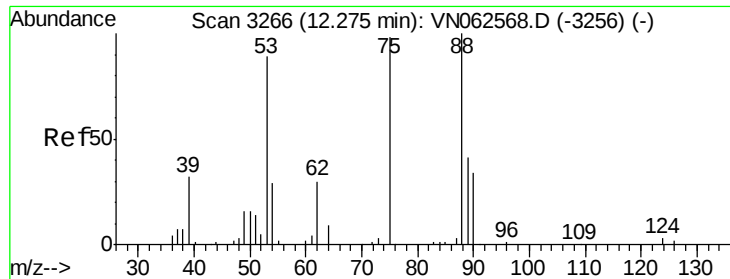
105 100

120 46.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): VN062567.D (-3401) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.876 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

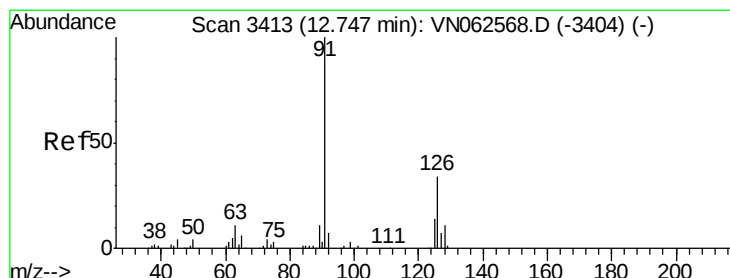
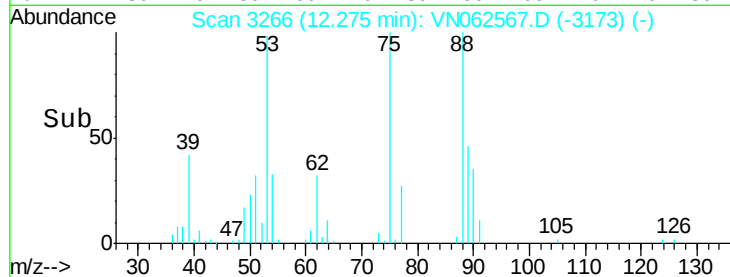
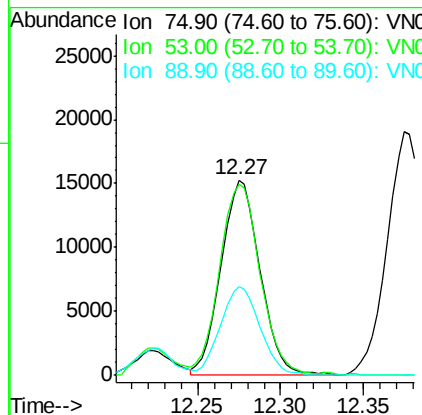
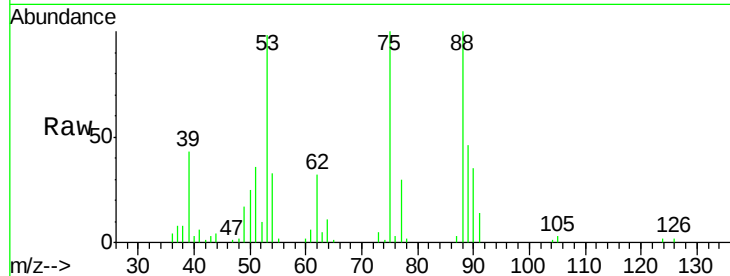
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	25039
Ion	Ratio	Lower	Upper
75	100		
53	99.6	75.4	113.0
89	45.7	34.5	51.7

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#82

4-Chlorotoluene

Concen: 21.665 ug/l

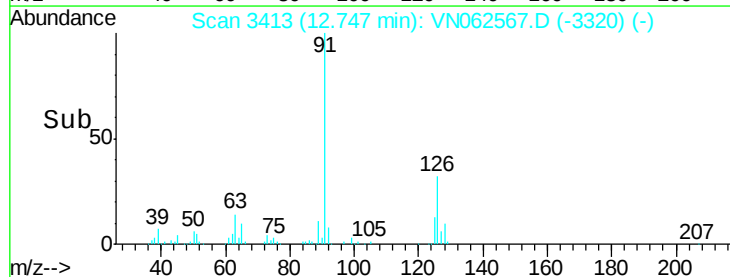
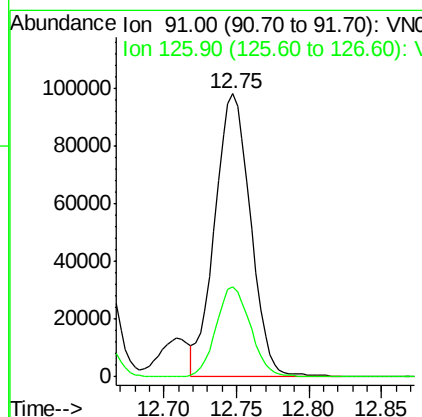
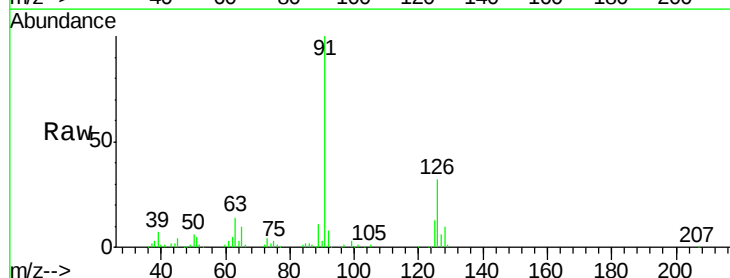
RT: 12.75 min Scan# 3413

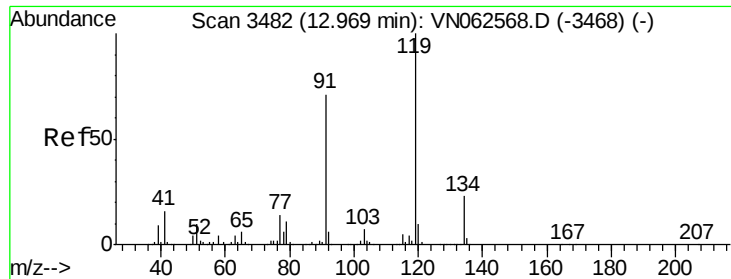
Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Tgt Ion:	91	Resp:	167032
Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.4	46.4





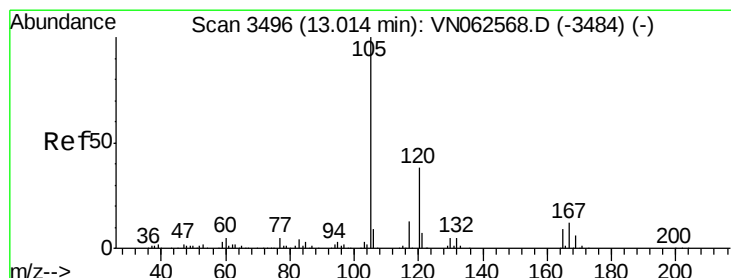
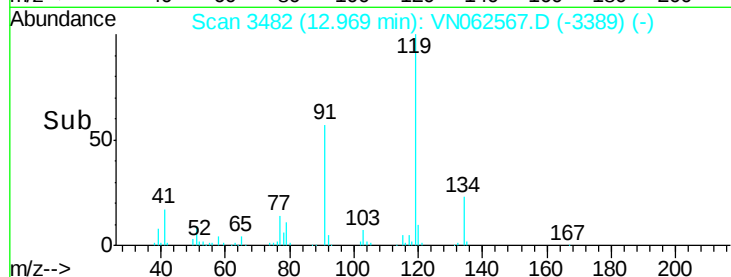
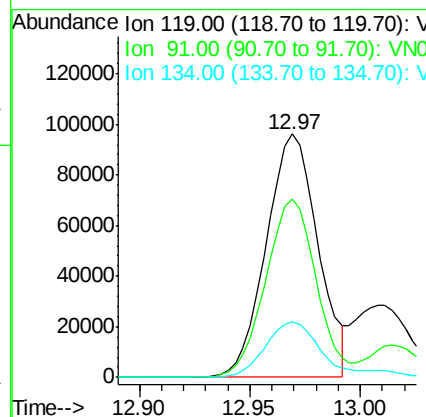
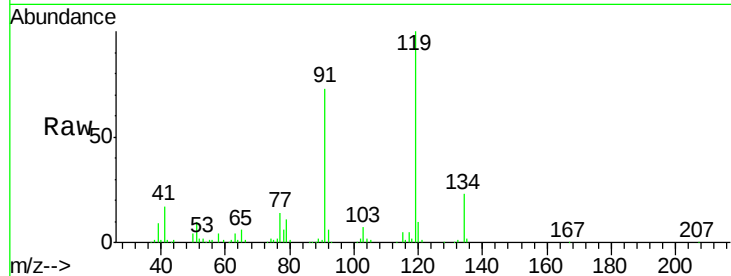
#83
 tert-Butylbenzene
 Concen: 21.009 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.0	34.6	103.8
134	25.9	11.5	34.4

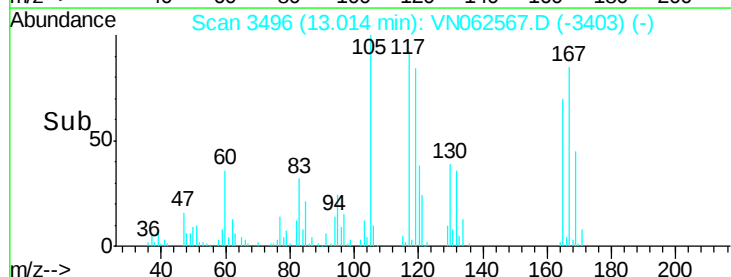
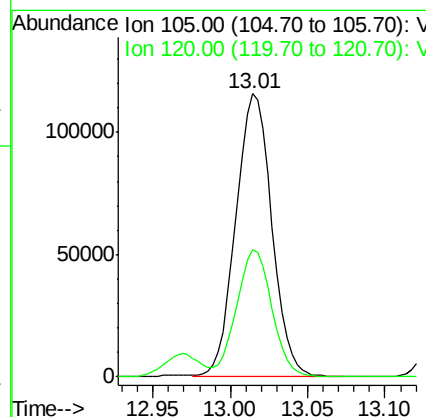
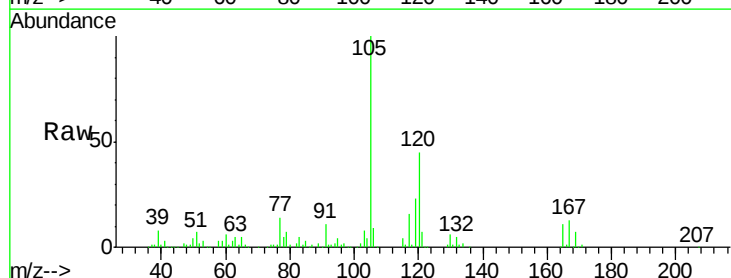
Manual Integrations
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.341 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.1	66.3





#85

sec-Butylbenzene

Concen: 21.626 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 212933

Ion Ratio Lower Upper

105 100

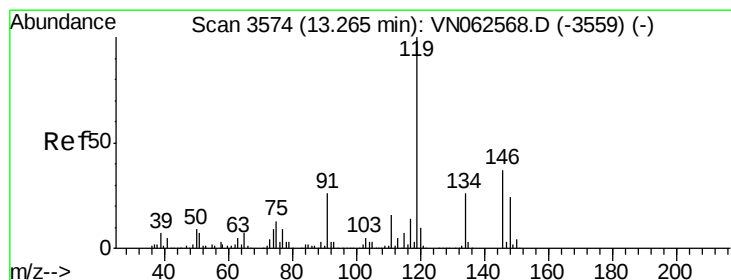
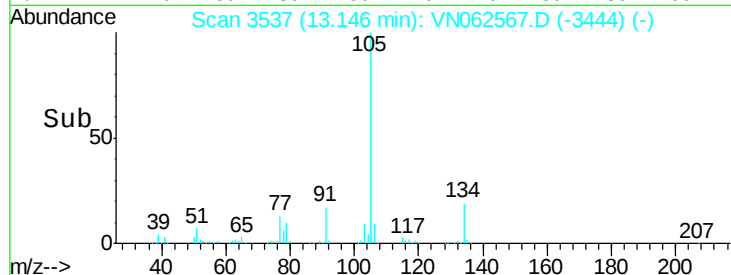
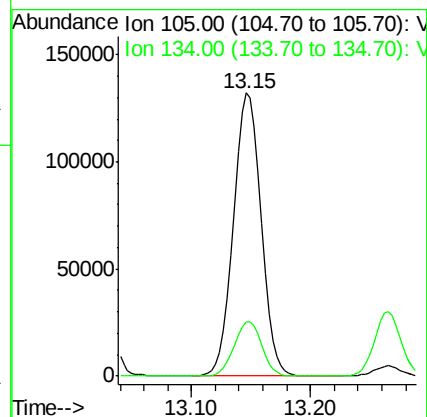
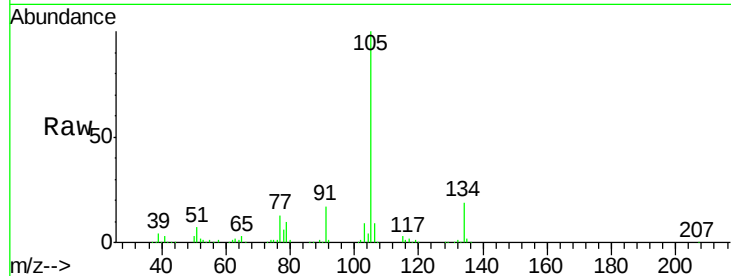
134 19.2 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.653 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062567.D

Acq: 21 Jul 2020 12:21

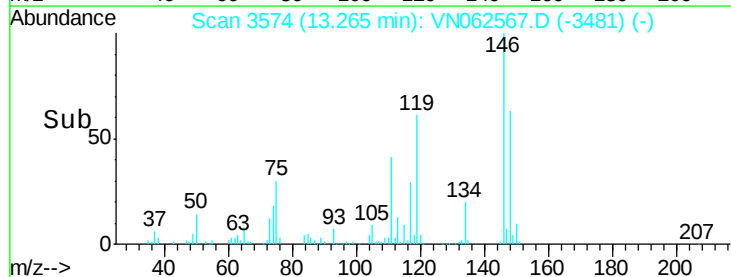
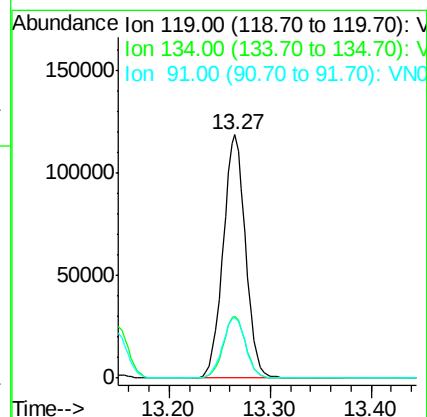
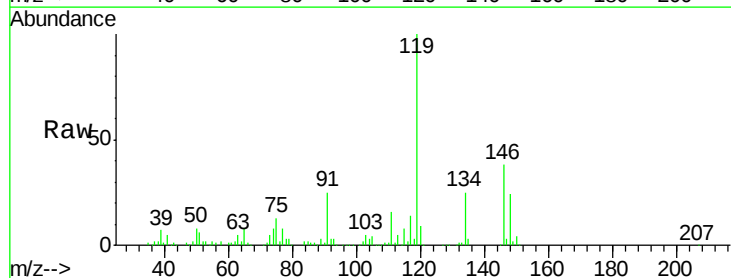
Tgt Ion:119 Resp: 183984

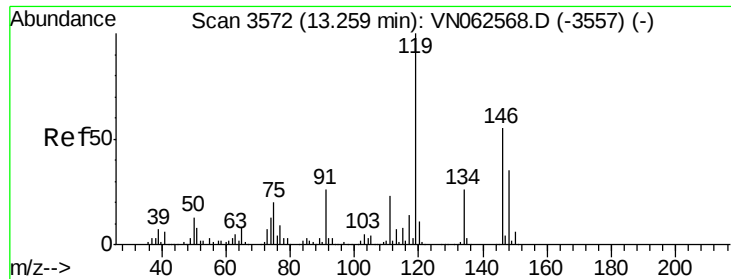
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 25.6 12.7 38.1





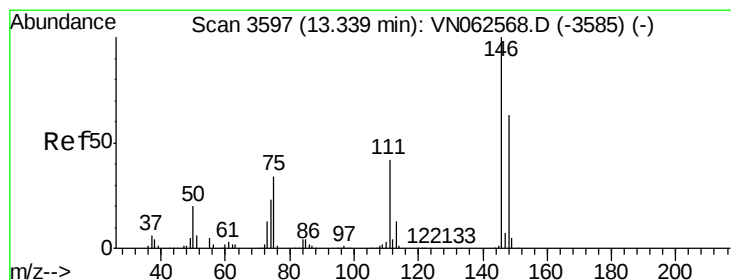
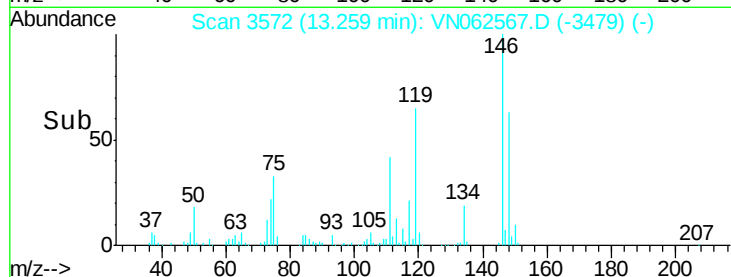
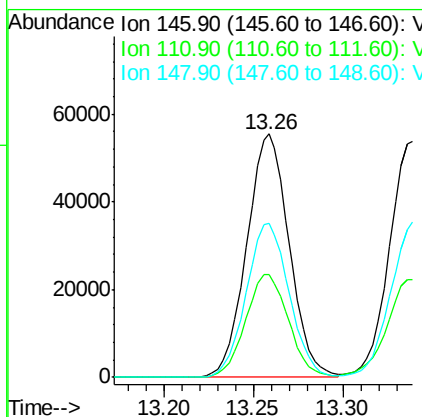
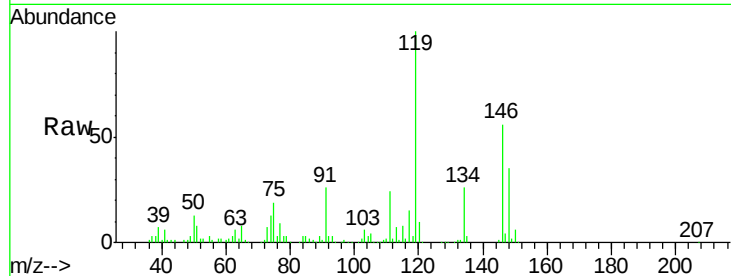
#87
 1,3-Dichlorobenzene
 Concen: 21.933 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.6
148	64.0	31.8	95.4

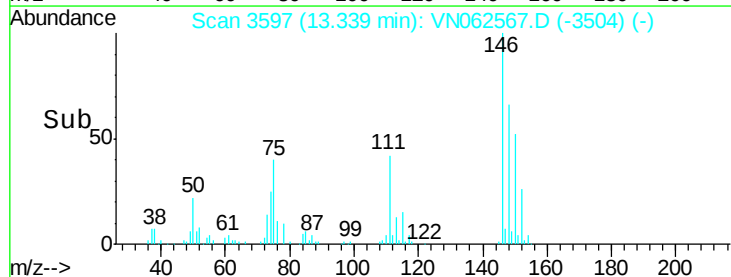
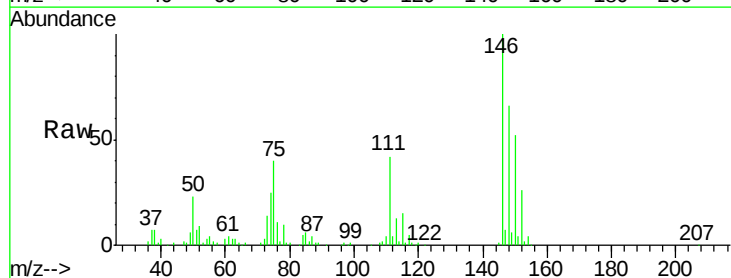
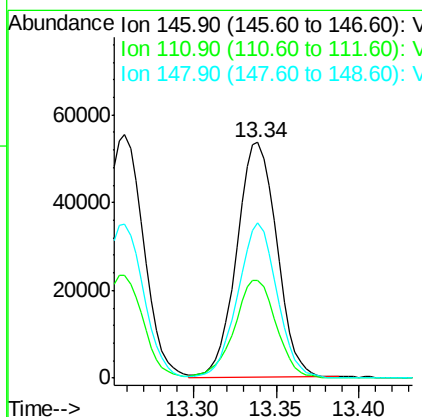
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#88
 1,4-Dichlorobenzene
 Concen: 20.939 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.1	63.1
148	65.0	31.6	94.8





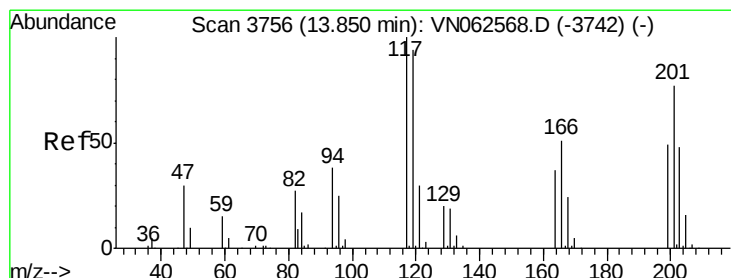
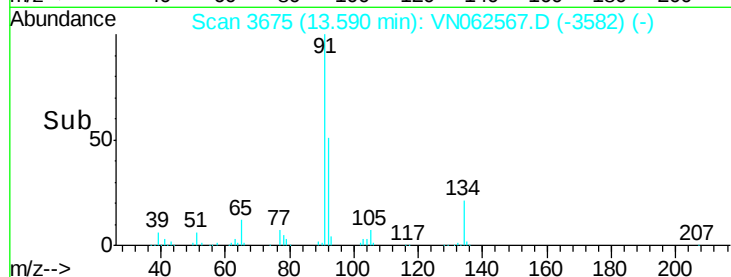
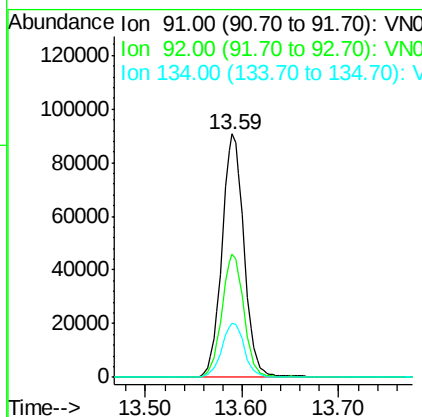
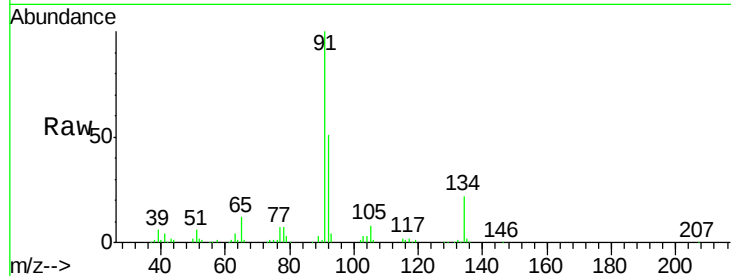
#89
n-Butylbenzene
Concen: 19.253 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	25.8	77.3
134	22.5	11.8	35.3

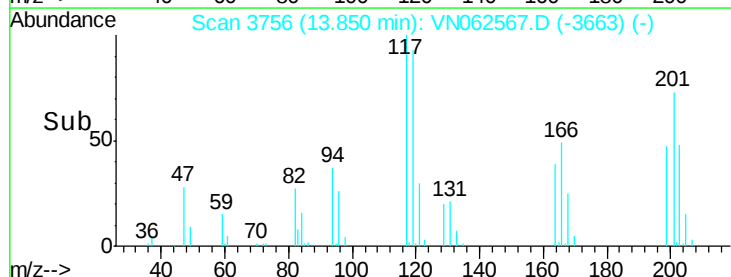
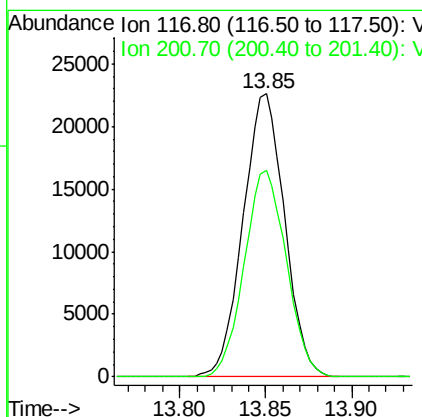
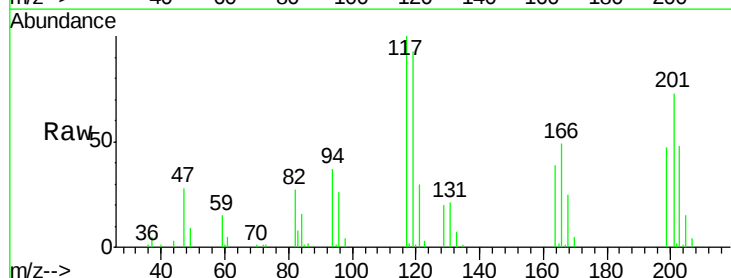
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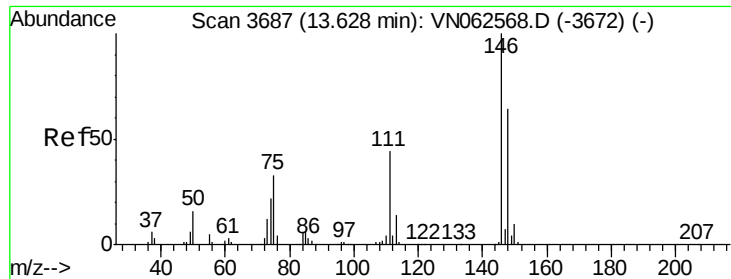
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#90
Hexachloroethane
Concen: 22.609 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	39.2	117.6





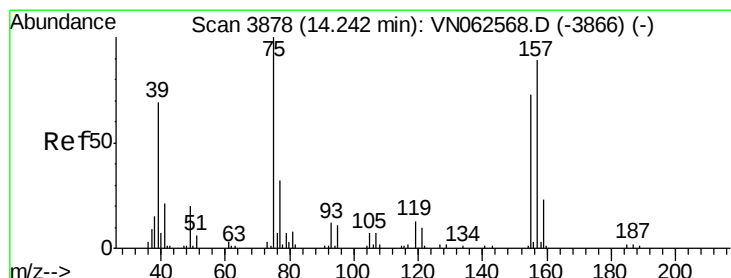
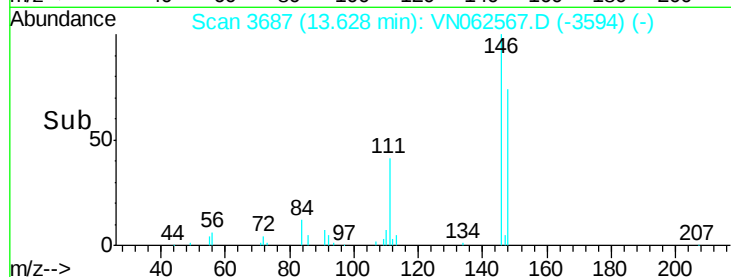
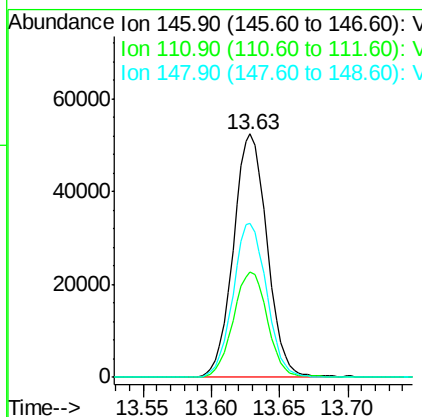
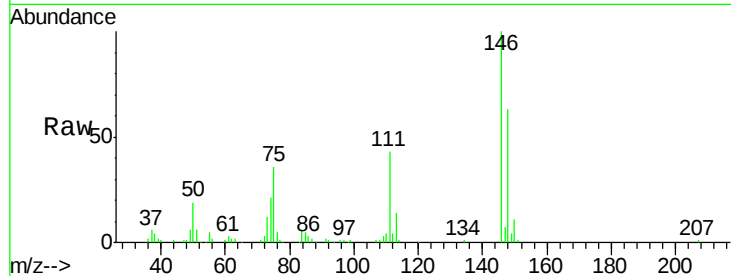
#91
 1,2-Dichlorobenzene
 Concen: 22.133 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.9	65.8
148	62.9	31.6	94.7

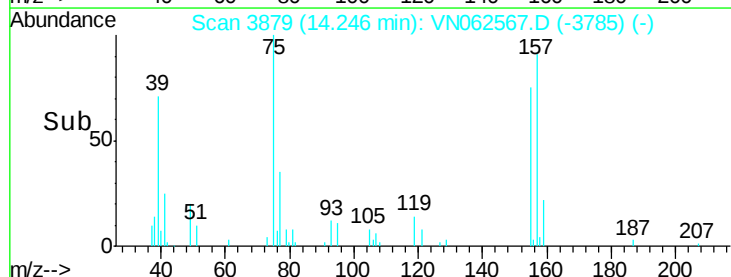
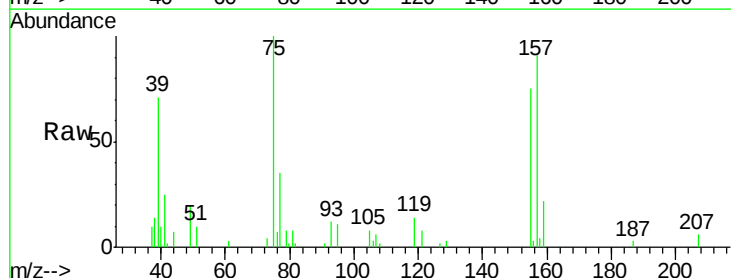
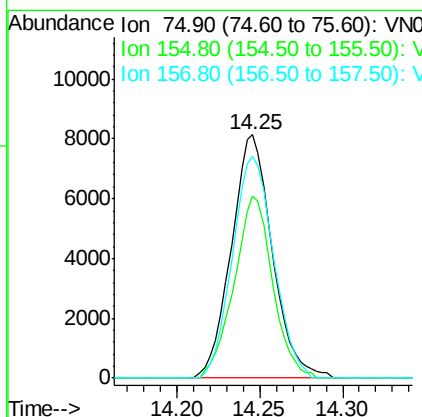
Manual Integrations
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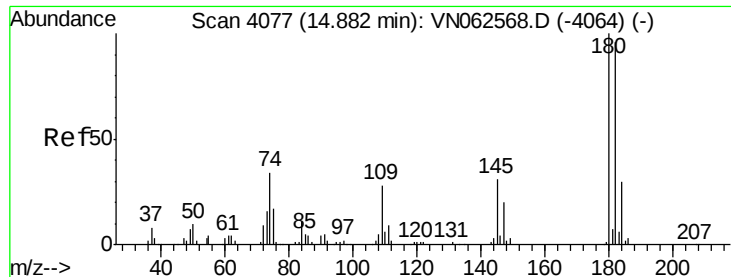
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.374 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	35.9	107.5
157	91.2	45.0	135.0





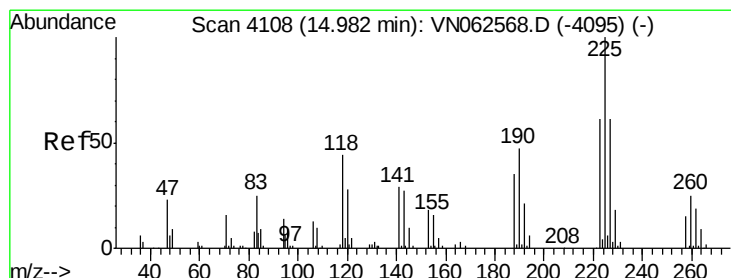
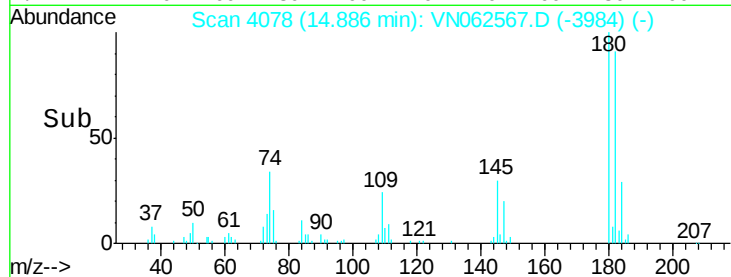
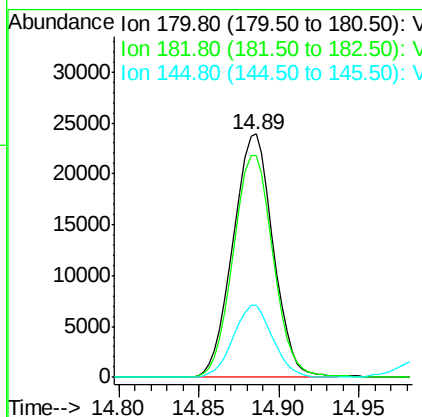
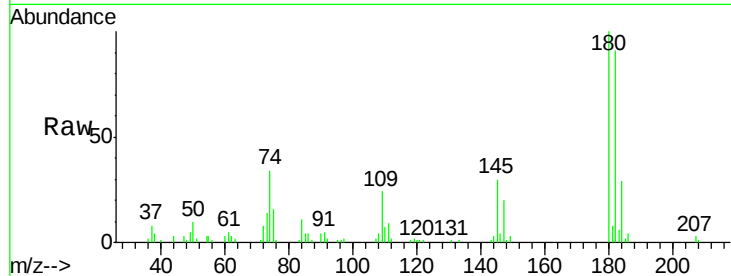
#93
 1,2,4-Trichlorobenzene
 Concen: 22.348 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	47.8	143.3
145	29.0	15.3	45.9

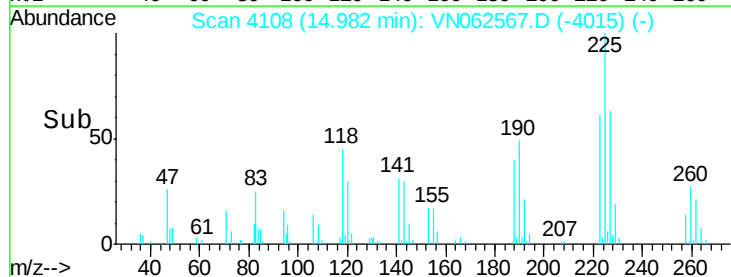
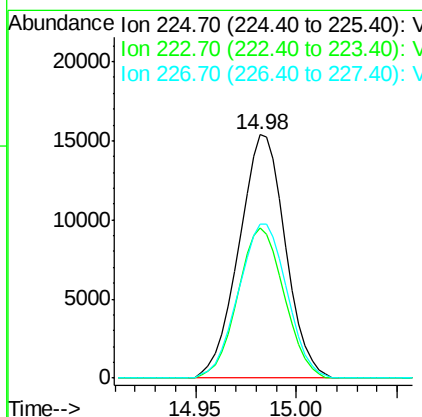
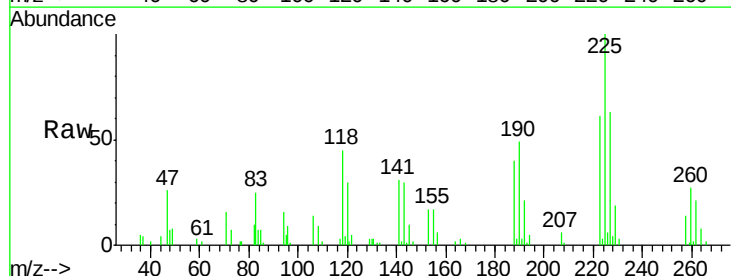
Manual Integrations
 APPROVED

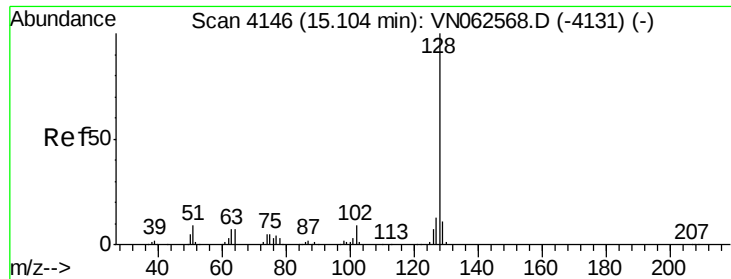
MMDadoda
 7/22/2020 2:45:36 PM



#94
 Hexachlorobutadiene
 Concen: 22.718 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062567.D
 Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	32.0	96.0
227	66.1	31.1	93.2





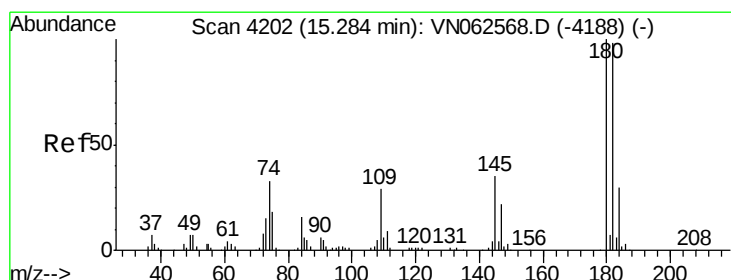
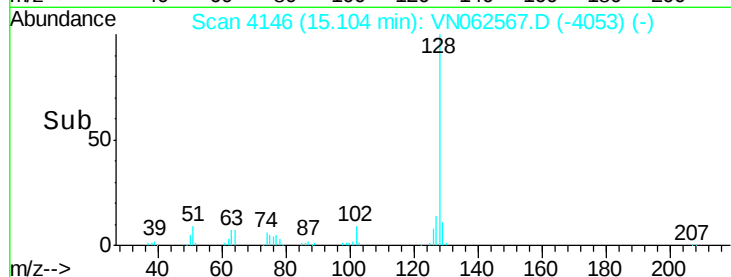
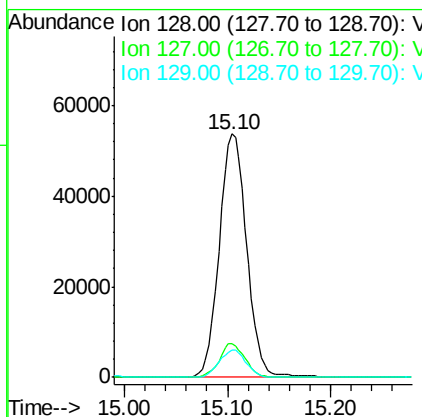
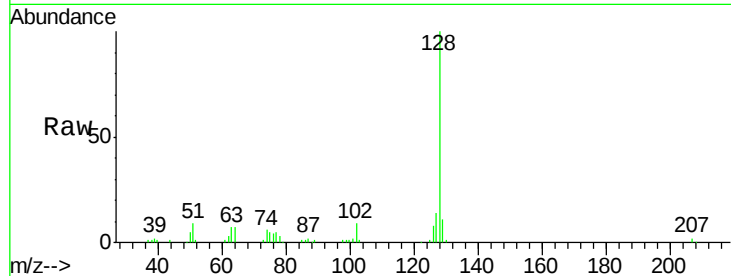
#95
Naphthalene
Concen: 19.389 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:45:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.031 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062567.D
Acq: 21 Jul 2020 12:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.1	144.3
145	33.1	16.7	50.1

