

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061438.D
 Acq On : 18 May 2020 16:40
 Operator : JC/MD
 Sample : VN0518MBSD01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0518MBSD01

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:09 PM

Quant Time: May 19 03:39:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	357523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	633306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	585925	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	286298	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	246140	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	7.55	113	175885	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
50) Toluene-d8	10.06	98	750835	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.37	95	282954	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	76520	25.740	ug/l	98
3) Chloromethane	2.03	50	90174	18.597	ug/l	98
4) Vinyl Chloride	2.16	62	120343	17.342	ug/l	98
5) Bromomethane	2.54	94	64809	15.734	ug/l	96
6) Chloroethane	2.67	64	77194	16.527	ug/l	99
7) Trichlorofluoromethane	2.98	101	140294	16.653	ug/l	100
8) Diethyl Ether	3.37	74	50959	20.766	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	75704	21.608	ug/l	98
10) Methyl Iodide	3.91	142	94877	22.296	ug/l	99
11) Tert butyl alcohol	4.73	59	56846	92.461	ug/l	98
12) 1,1-Dichloroethene	3.70	96	77821	21.235	ug/l	89
13) Acrolein	3.56	56	39829	77.500	ug/l	97
14) Allyl chloride	4.27	41	109095	18.292	ug/l	94
15) Acrylonitrile	4.93	53	164828	90.491	ug/l	98
16) Acetone	3.77	43	129964	87.783	ug/l	99
17) Carbon Disulfide	4.01	76	178439	20.826	ug/l	99
18) Methyl Acetate	4.28	43	67364	17.718	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	260532	18.734	ug/l	98
20) Methylene Chloride	4.50	84	82976	18.921	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	81482	19.282	ug/l	94
22) Diisopropyl ether	5.90	45	239027	17.835	ug/l	97
23) Vinyl Acetate	5.84	43	959376	90.019	ug/l	97
24) 1,1-Dichloroethane	5.80	63	143112	18.308	ug/l	99
25) 2-Butanone	6.79	43	206113	84.839	ug/l	97
26) 2,2-Dichloropropane	6.78	77	134441	18.041	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	92859	18.603	ug/l	97
28) Bromochloromethane	7.15	49	67474	20.335	ug/l	93
29) Tetrahydrofuran	7.17	42	138337	85.979	ug/l	98
30) Chloroform	7.33	83	153704	18.826	ug/l	98
31) Cyclohexane	7.62	56	128520	16.696	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	139876	18.748	ug/l	96
36) 1,1-Dichloropropene	7.75	75	111014	18.747	ug/l	97
37) Ethyl Acetate	6.88	43	89215	16.613	ug/l	98
38) Carbon Tetrachloride	7.73	117	103069	18.902	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	130395	18.028	ug/l	99
40) Benzene	8.00	78	334229	18.729	ug/l	98
41) Methacrylonitrile	7.13	41	44406m	19.577	ug/l	
42) 1,2-Dichloroethane	8.09	62	119257	18.548	ug/l	100
43) Isopropyl Acetate	8.13	43	167590	17.892	ug/l	100
44) Trichloroethene	8.80	130	92433	19.768	ug/l	100
45) 1,2-Dichloropropane	9.09	63	83454	18.683	ug/l	100
46) Dibromomethane	9.18	93	57629	18.404	ug/l	98
47) Bromodichloromethane	9.37	83	120967	18.335	ug/l #	99
48) Methyl methacrylate	9.17	41	73416	16.967	ug/l	96
49) 1,4-Dioxane	9.17	88	20228	422.699	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	461620	90.470	ug/l	99
52) Toluene	10.12	92	215706	18.827	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	133436	18.453	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	139707	18.174	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	81222	18.751	ug/l	99
56) Ethyl methacrylate	10.40	69	132338	19.542	ug/l	97
57) 1,3-Dichloropropane	10.68	76	141491	18.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	258862	87.088	ug/l	98
59) 2-Hexanone	10.72	43	324310	87.852	ug/l	99
60) Dibromochloromethane	10.87	129	90226	18.831	ug/l	100
61) 1,2-Dibromoethane	10.98	107	86774	19.053	ug/l	100
64) Tetrachloroethene	10.60	164	87365	19.273	ug/l	96
65) Chlorobenzene	11.41	112	228707	19.141	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	77584	18.112	ug/l	98
67) Ethyl Benzene	11.48	91	421879	19.343	ug/l	97
68) m/p-Xylenes	11.59	106	332407	40.152	ug/l	95
69) o-Xylene	11.92	106	155333	19.389	ug/l	98
70) Styrene	11.94	104	263369	19.852	ug/l	99
71) Bromoform	12.10	173	58993	19.015	ug/l #	99
73) Isopropylbenzene	12.22	105	418666	18.216	ug/l	97
74) N-amyl acetate	12.04	43	216113	25.688	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.48	83	117572	18.593	ug/l #	95
76) 1,2,3-Trichloropropane	12.53	75	99928m	16.266	ug/l	
77) Bromobenzene	12.50	156	280104	56.155	ug/l #	15
78) n-propylbenzene	12.56	91	477205	18.222	ug/l	99
79) 2-Chlorotoluene	12.65	91	287495	18.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	365296	19.411	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	38714	16.717	ug/l	99
82) 4-Chlorotoluene	12.75	91	286691	17.887	ug/l	99
83) tert-Butylbenzene	12.97	119	299020	18.550	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	370304	19.662	ug/l	100
85) sec-Butylbenzene	13.15	105	392399	18.002	ug/l	99
86) p-Isopropyltoluene	13.26	119	366315	18.925	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	173328	18.987	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	174965	19.138	ug/l	99
89) n-Butylbenzene	13.59	91	325338	18.501	ug/l	99
90) Hexachloroethane	13.85	117	48825	18.613	ug/l	92
91) 1,2-Dichlorobenzene	13.63	146	165960	18.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23307	18.246	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	93519	19.696	ug/l	97
94) Hexachlorobutadiene	14.98	225	32647	15.475	ug/l	99
95) Naphthalene	15.10	128	325868	21.588	ug/l	97
96) 1,2,3-Trichlorobenzene	15.28	180	93410	19.762	ug/l	93

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

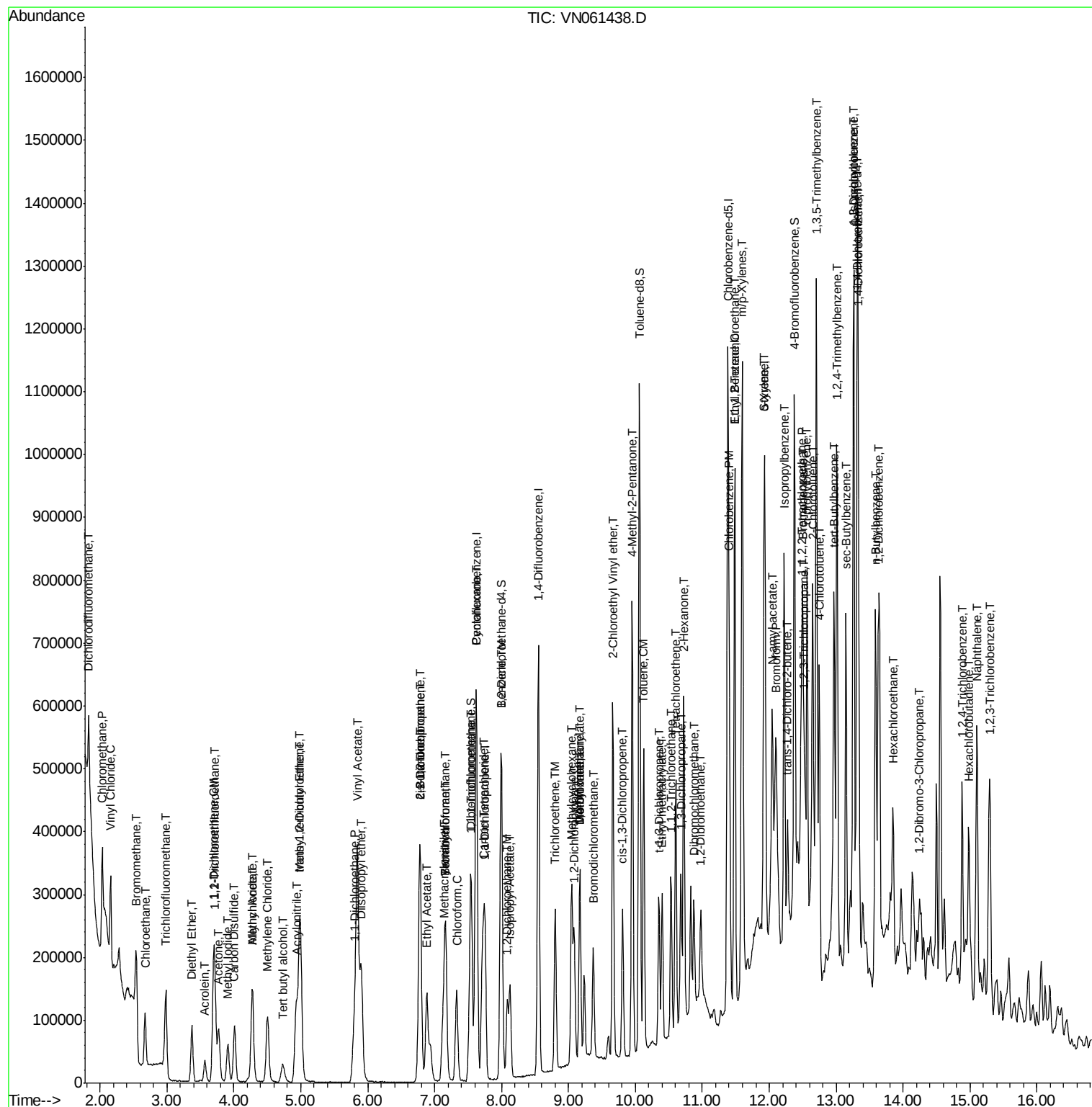
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
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Sample : VN0518MBSD01
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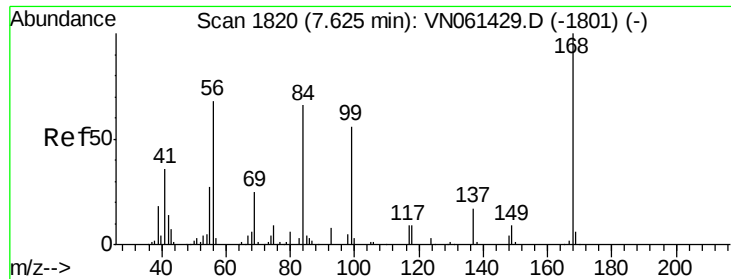
Instrument :
MSVOA_N
Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion:168 Resp: 357523

Ion Ratio Lower Upper

168 100

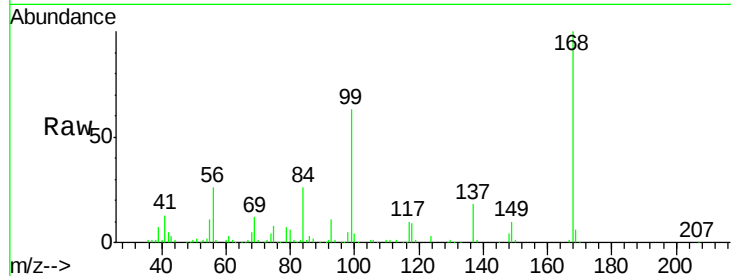
99 62.3 51.1 76.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

150000

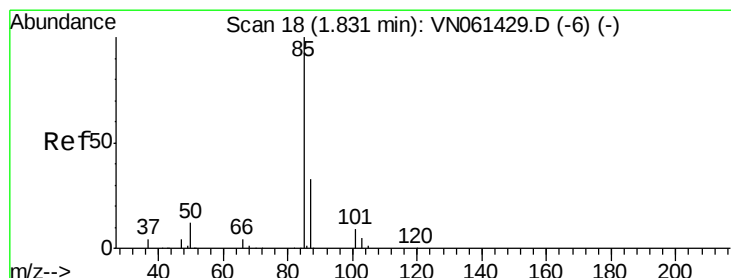
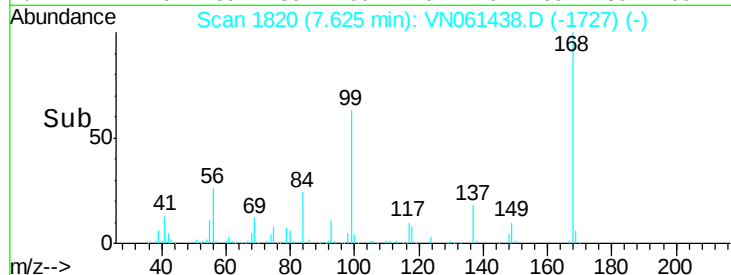
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50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 25.740 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061438.D

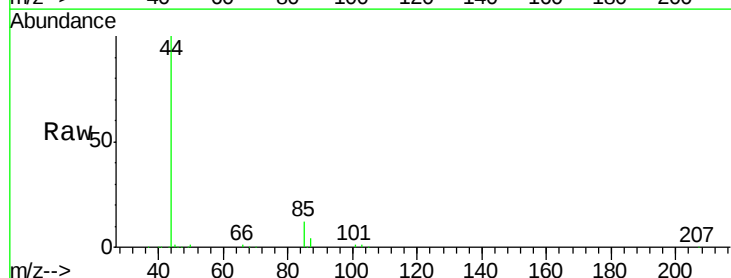
Acq: 18 May 2020 16:40

Tgt Ion: 85 Resp: 76520

Ion Ratio Lower Upper

85 100

87 31.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

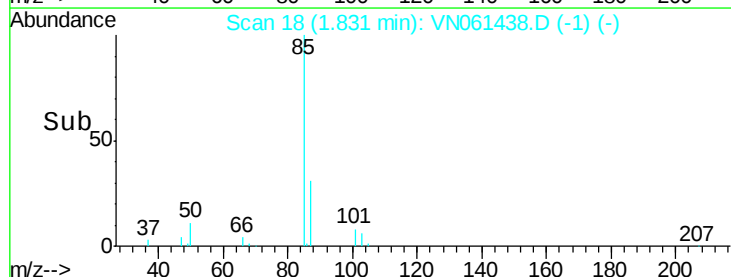
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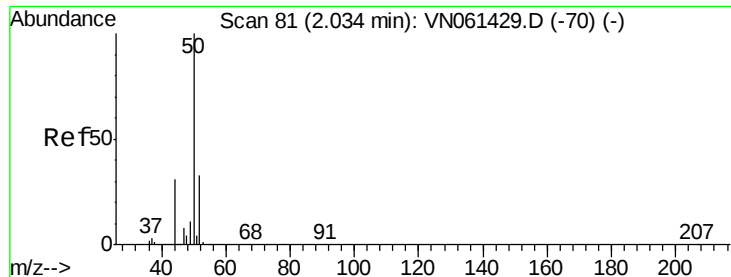
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.597 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 50 Resp: 90174

Ion Ratio Lower Upper

50 100

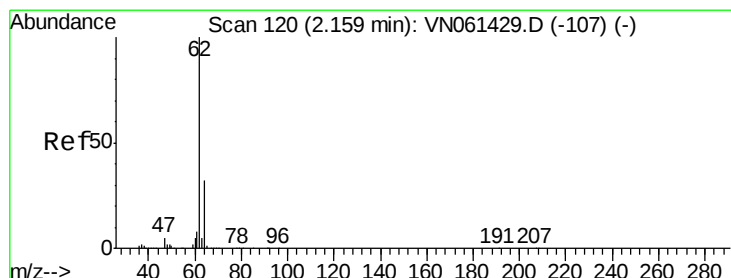
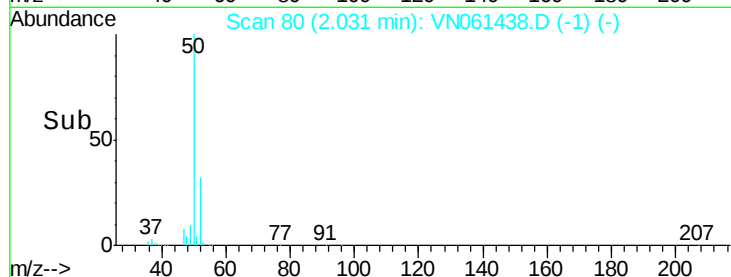
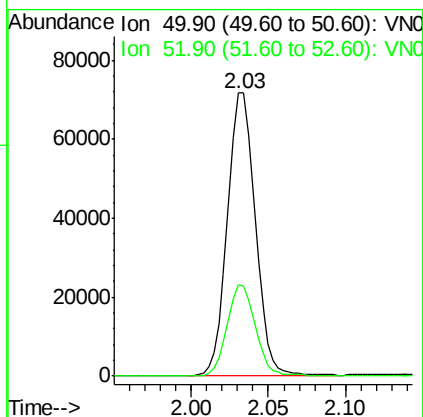
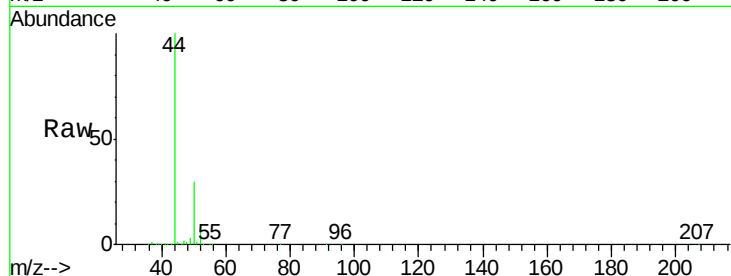
52 32.4 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.342 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061438.D

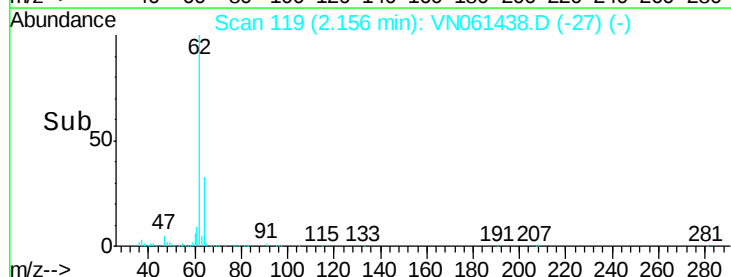
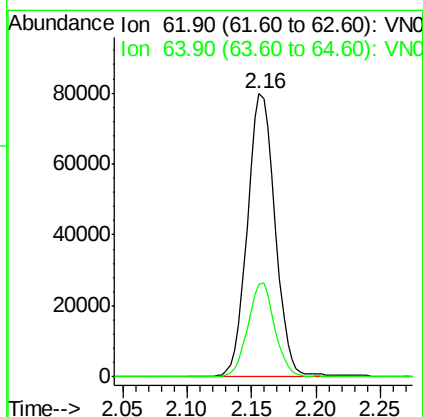
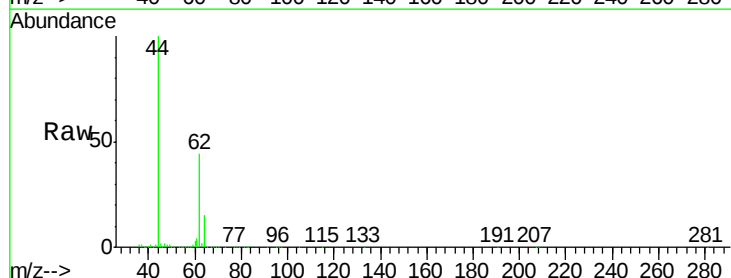
Acq: 18 May 2020 16:40

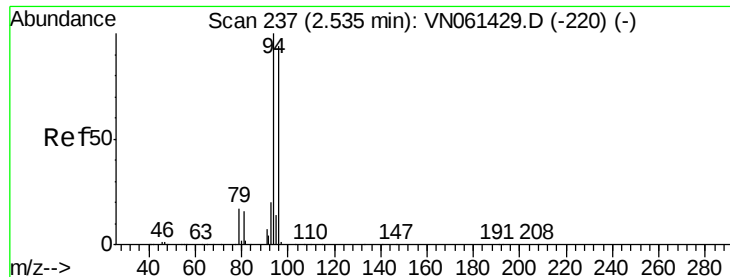
Tgt Ion: 62 Resp: 120343

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 15.734 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 94 Resp: 64809

Ion Ratio Lower Upper

94 100

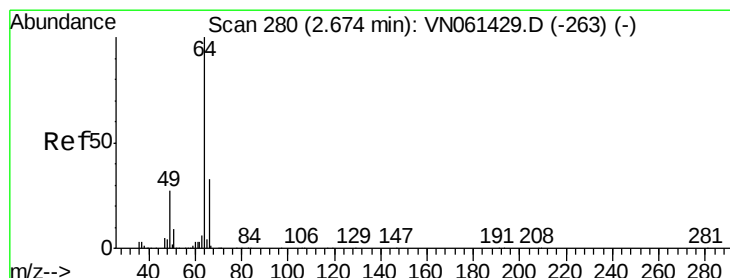
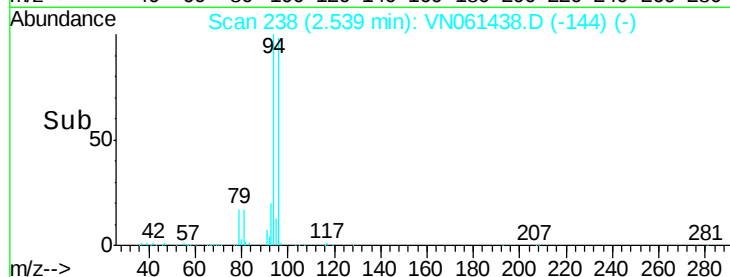
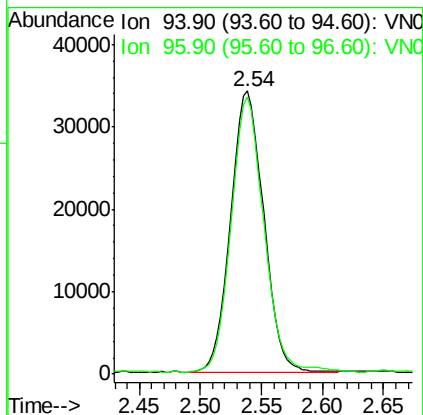
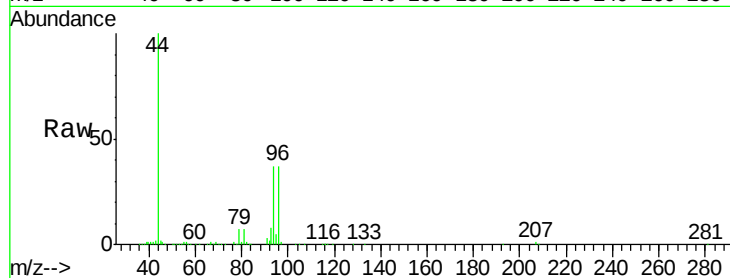
96 97.5 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 16.527 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061438.D

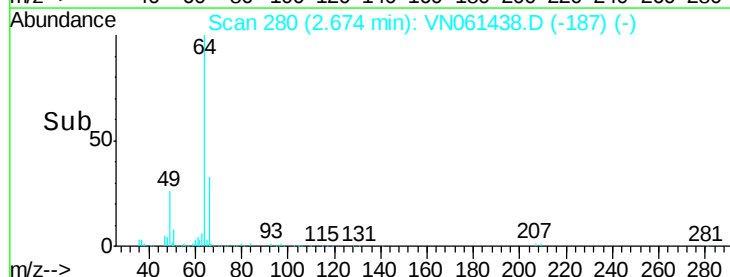
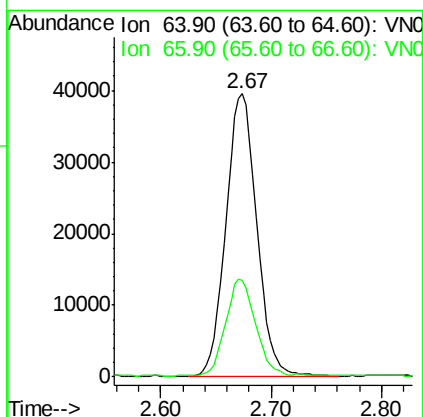
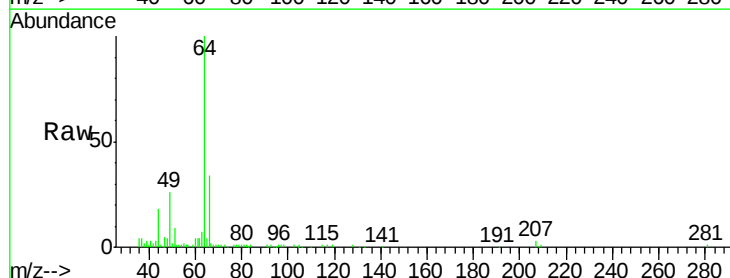
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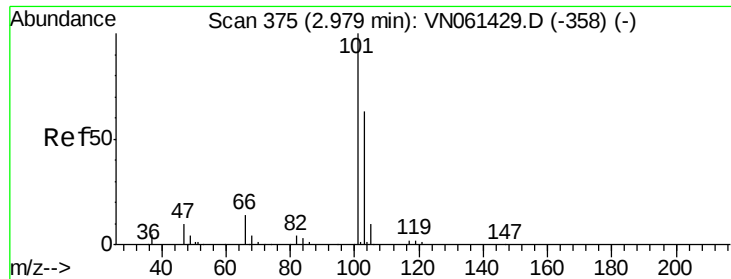
Tgt Ion: 64 Resp: 77194

Ion Ratio Lower Upper

64 100

66 33.6 26.3 39.5





#7

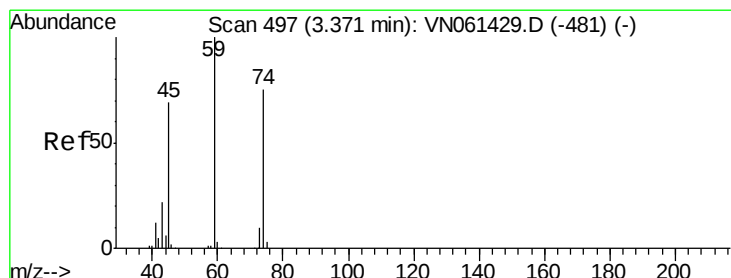
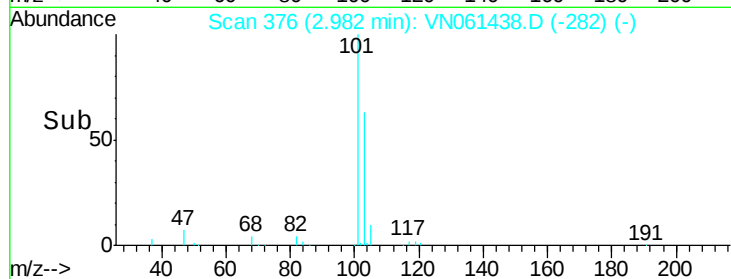
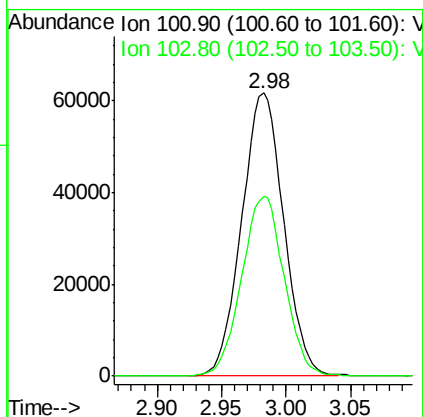
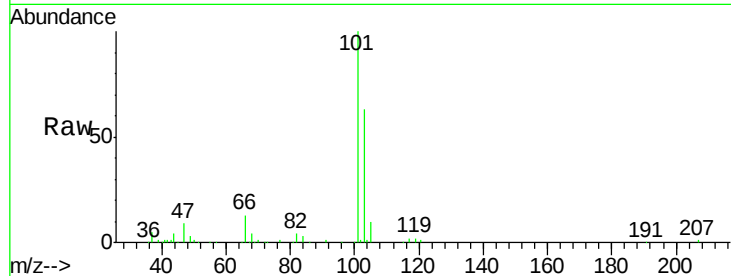
Trichlorofluoromethane
Concen: 16.653 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.2	75.4

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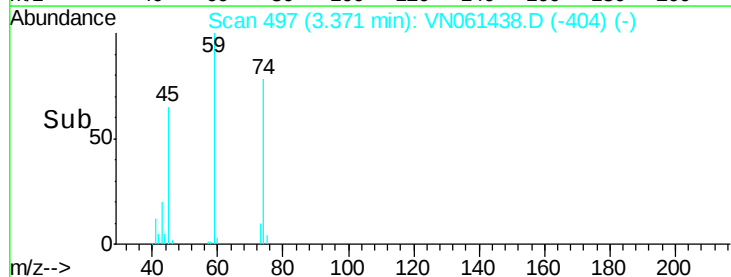
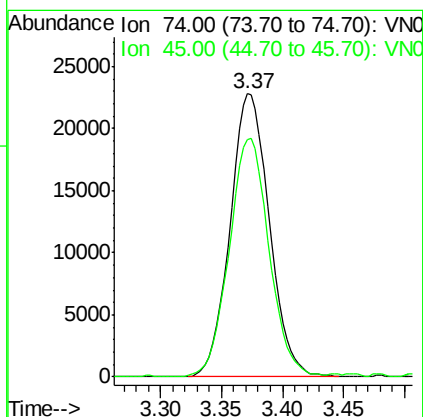
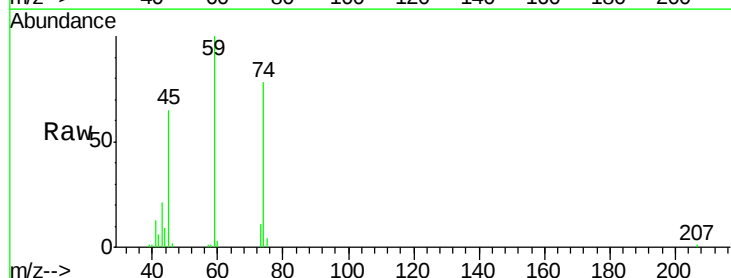
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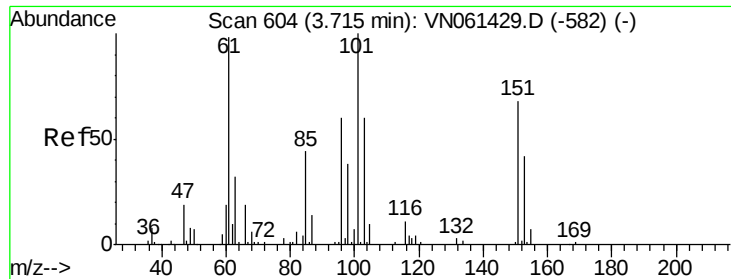


#8

Diethyl Ether
Concen: 20.766 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.7	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.608 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

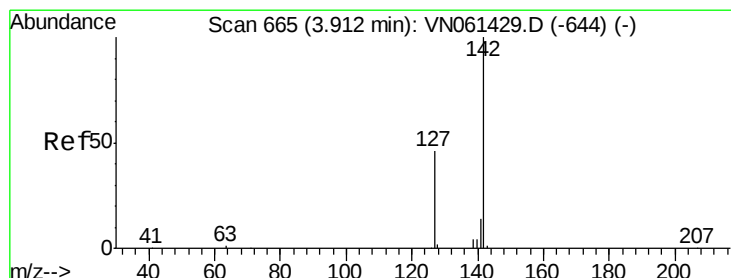
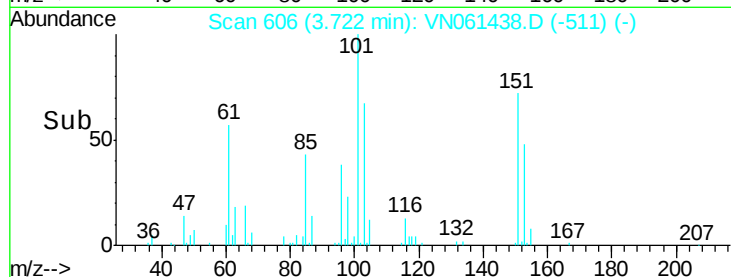
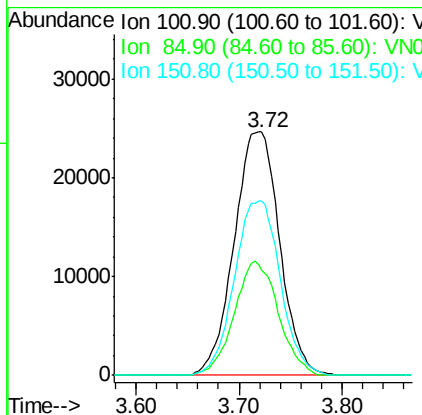
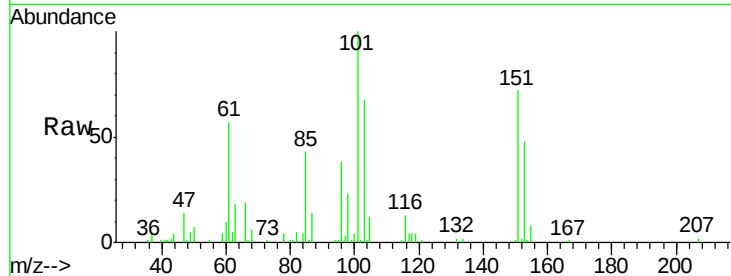
ClientSampleId :

VN0518MBSD01

Tot Ion:	101	Resp:	75704
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.6	55.0
151	72.2	56.3	84.5

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#10

Methyl Iodide

Concen: 22.296 ug/l

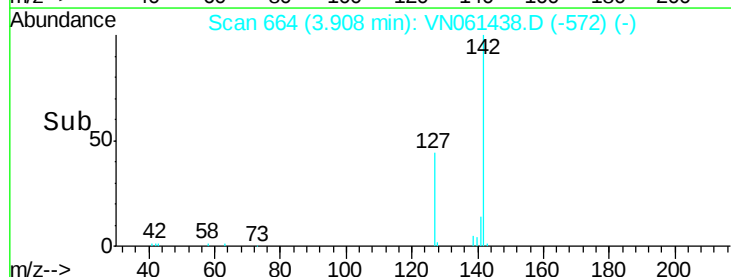
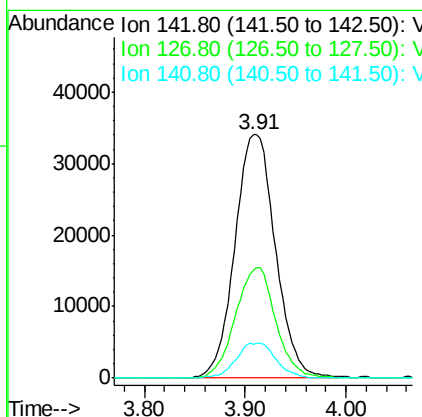
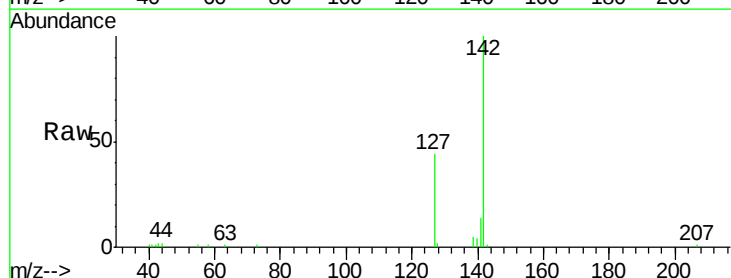
RT: 3.91 min Scan# 664

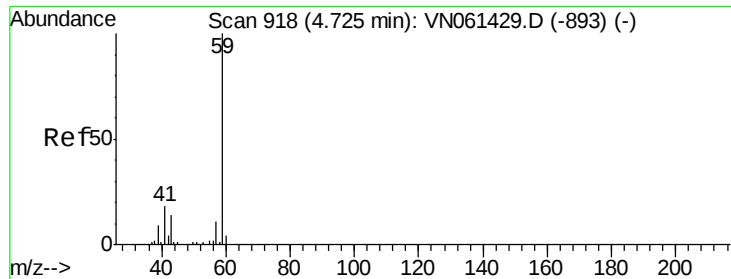
Delta R.T. -0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	142	Resp:	94877
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.7	55.1
141	14.2	11.5	17.3





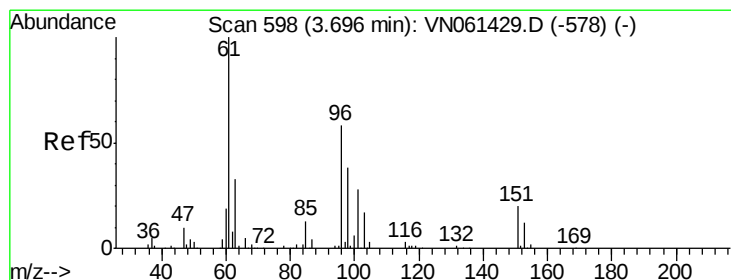
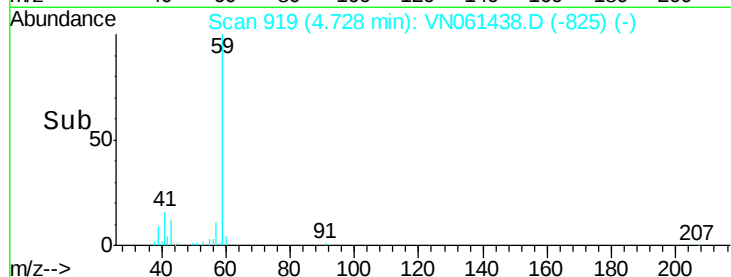
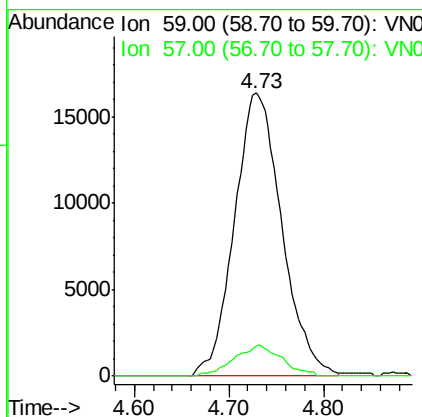
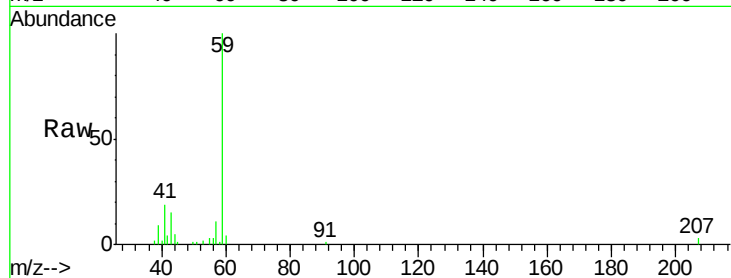
#11
Tert butyl alcohol
Concen: 92.461 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion: 59 Resp: 56846
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

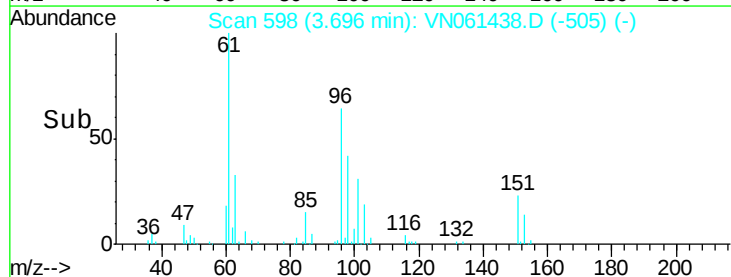
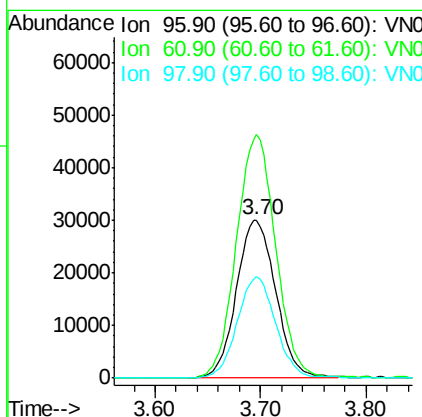
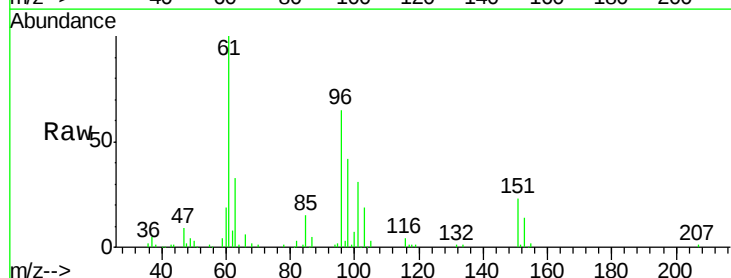
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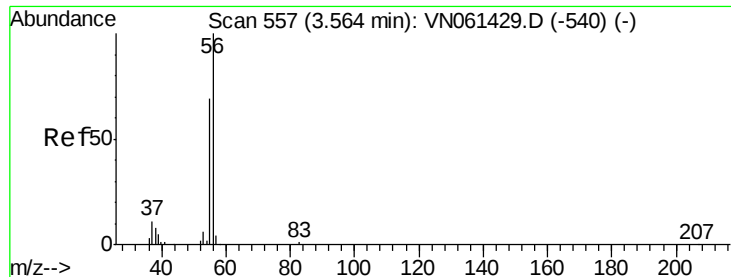
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.235 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion: 96 Resp: 77821
Ion Ratio Lower Upper
96 100
61 153.9 138.7 208.1
98 64.4 53.0 79.6





#13

Acrolein

Concen: 77.500 ug/l

RT: 3.56 min Scan# 557

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

VN0518MBSD01

Tot Ion: 56 Resp: 39829

Ion Ratio Lower Upper

56 100

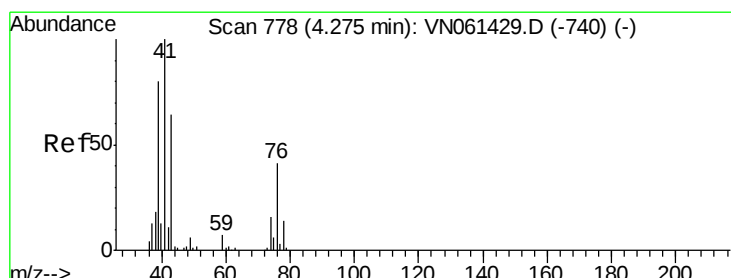
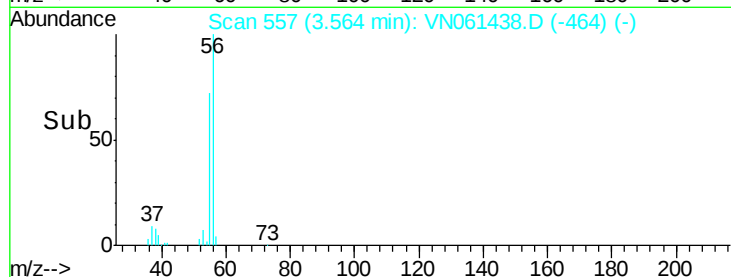
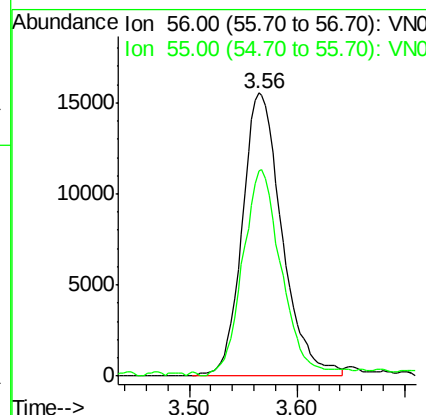
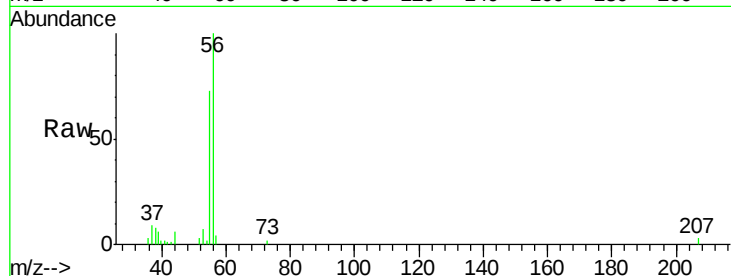
55 70.6 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 18.292 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

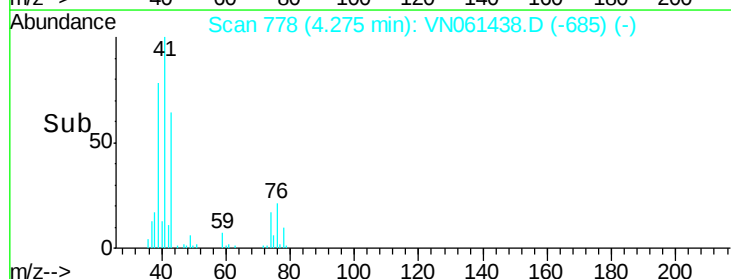
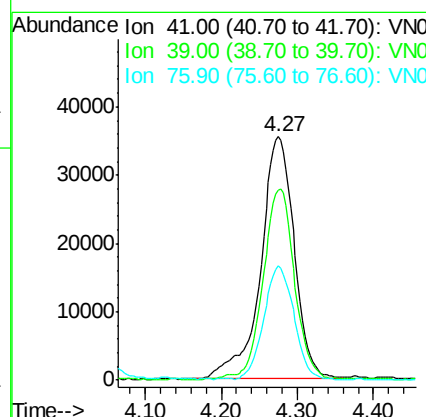
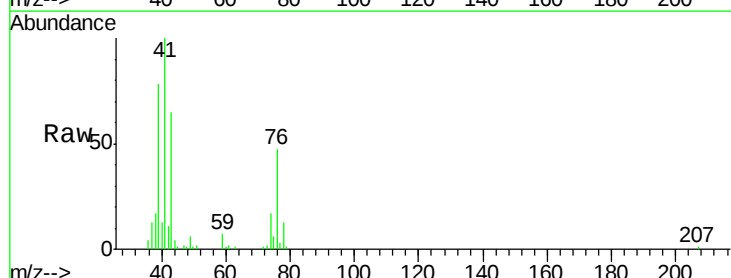
Tgt Ion: 41 Resp: 109095

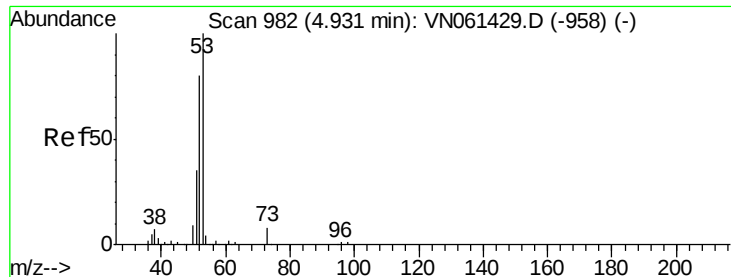
Ion Ratio Lower Upper

41 100

39 72.4 61.2 91.8

76 42.5 29.9 44.9





#15

Acrylonitrile

Concen: 90.491 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

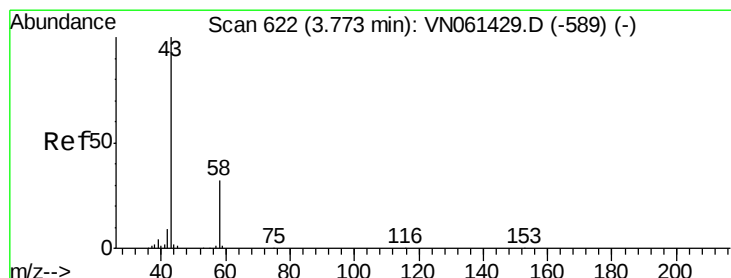
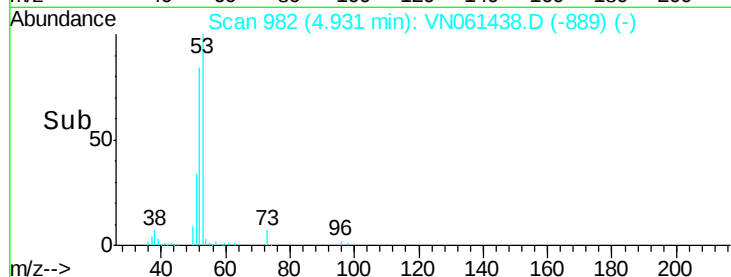
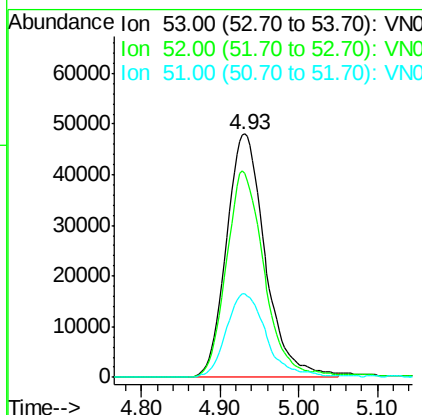
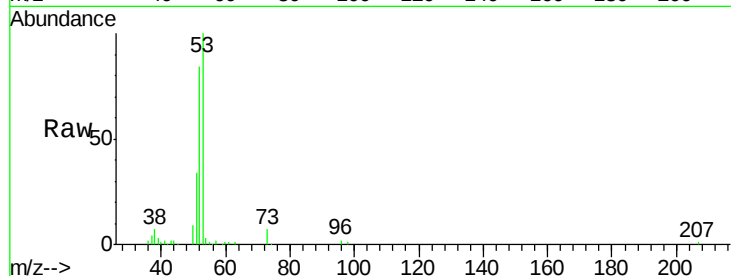
ClientSampleId :

VN0518MBSD01

Tot Ion:	53	Resp:	164828
Ion Ratio		Lower	Upper
53	100		
52	81.5	64.7	97.1
51	34.8	29.5	44.3

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#16

Acetone

Concen: 87.783 ug/l

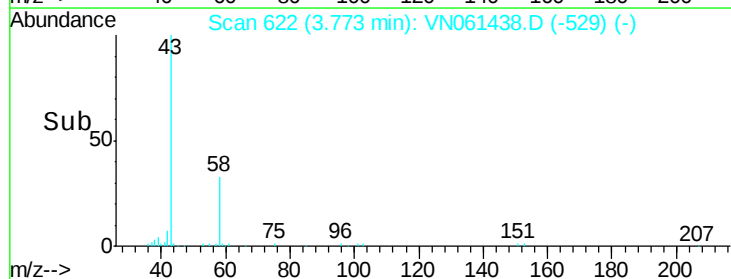
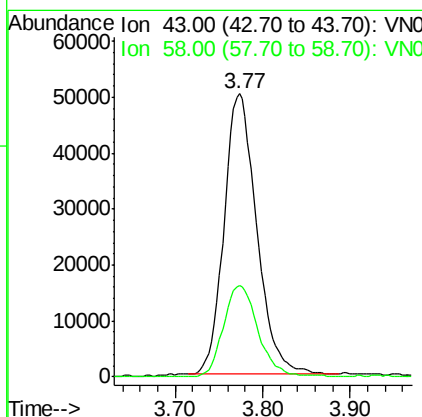
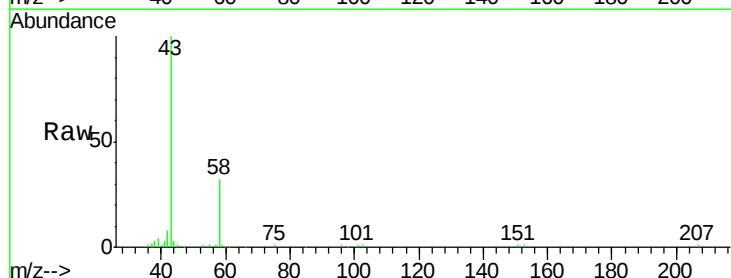
RT: 3.77 min Scan# 622

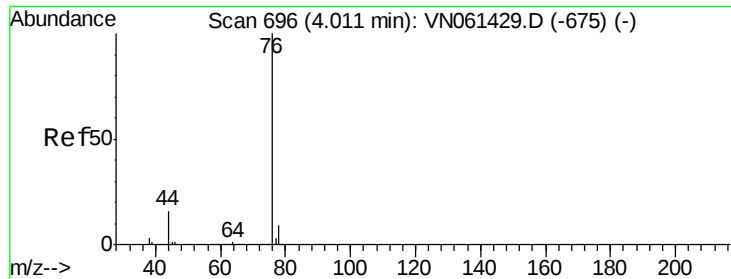
Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	43	Resp:	129964
Ion Ratio		Lower	Upper
43	100		
58	32.6	25.6	38.4





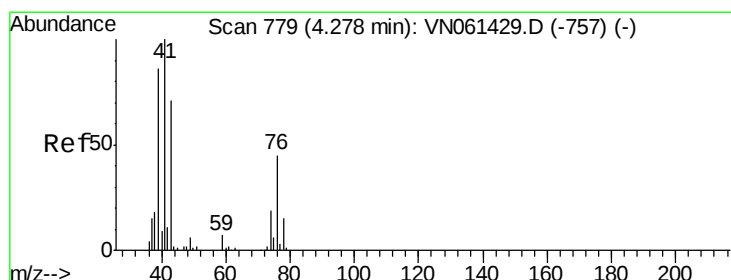
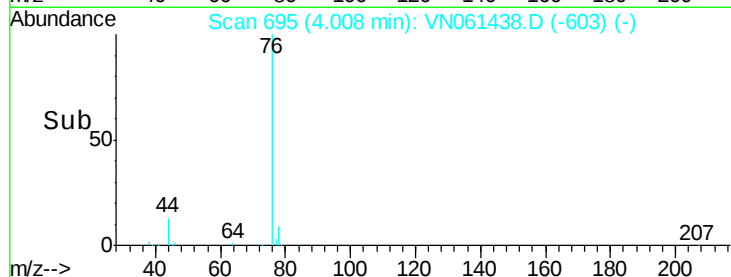
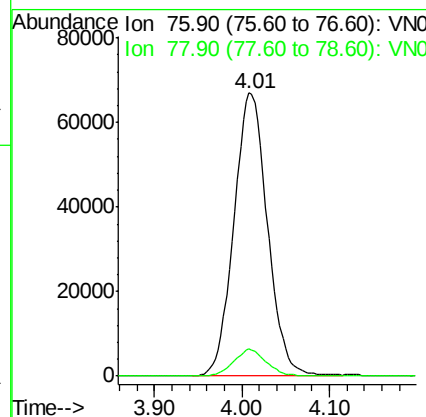
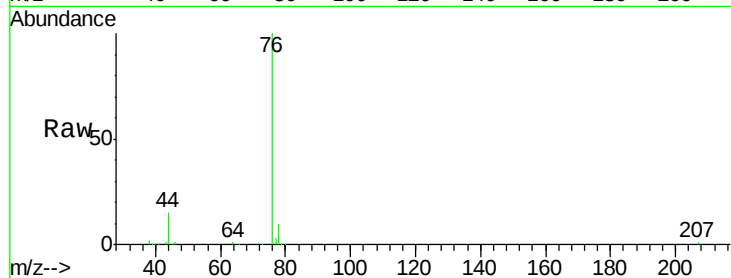
#17
Carbon Disulfide
Concen: 20.826 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion: 76 Resp: 178439
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

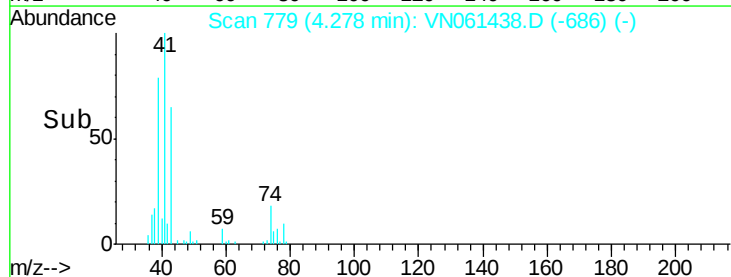
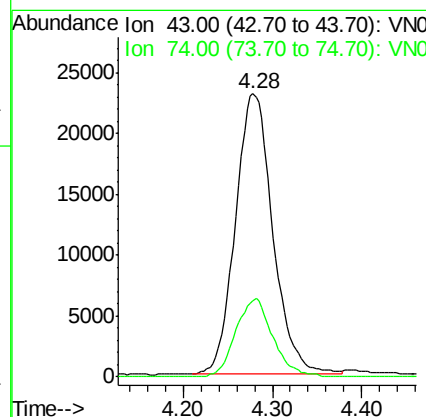
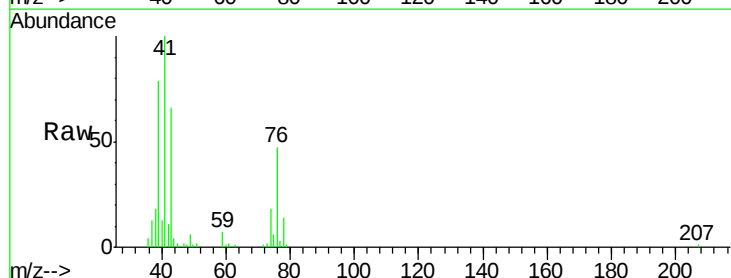
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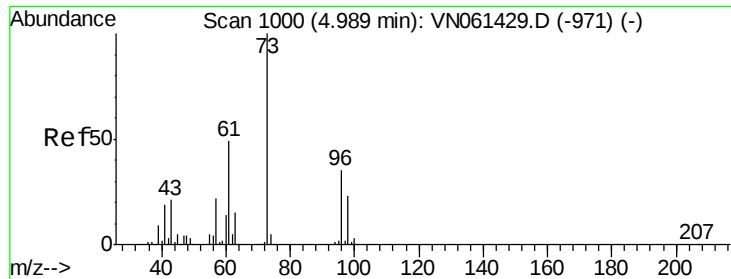
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#18
Methyl Acetate
Concen: 17.718 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion: 43 Resp: 67364
Ion Ratio Lower Upper
43 100
74 27.6 20.8 31.2





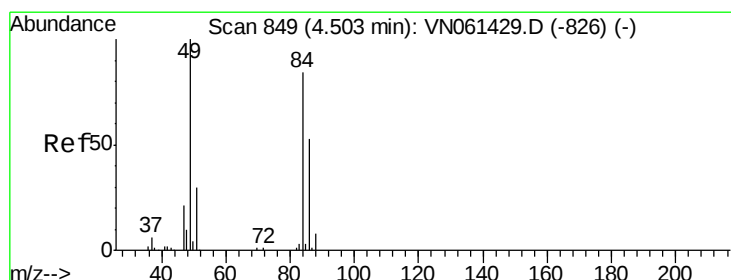
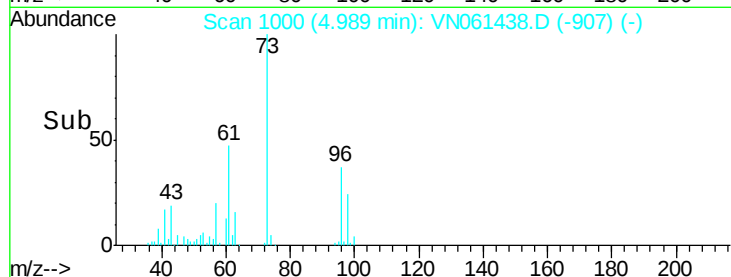
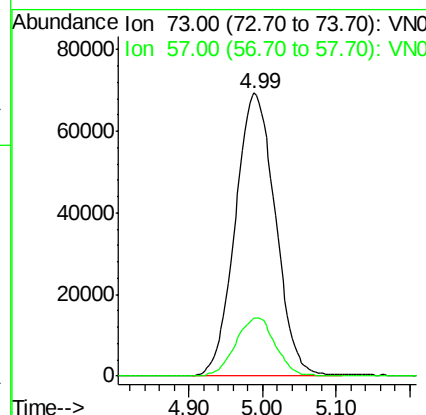
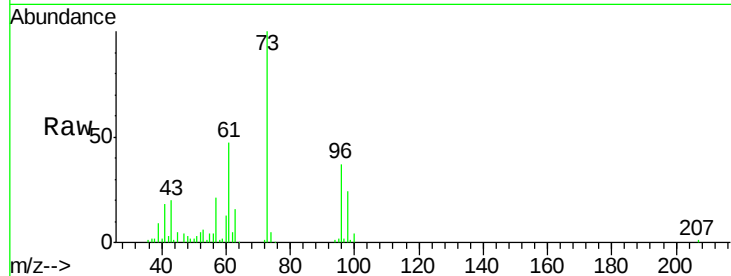
#19
Methyl tert-butyl Ether
Concen: 18.734 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion: 73 Resp: 260532
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0

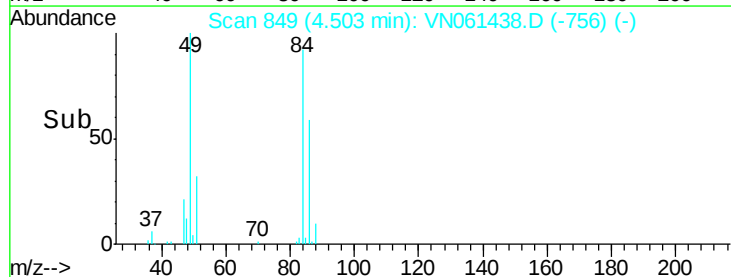
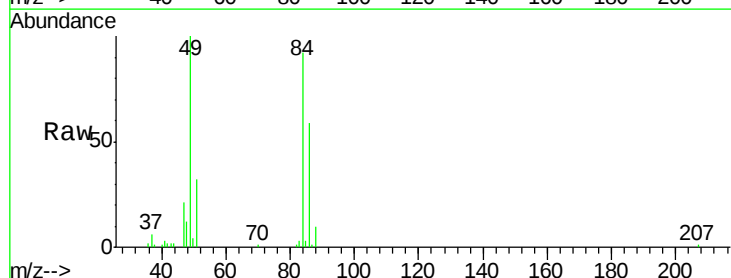
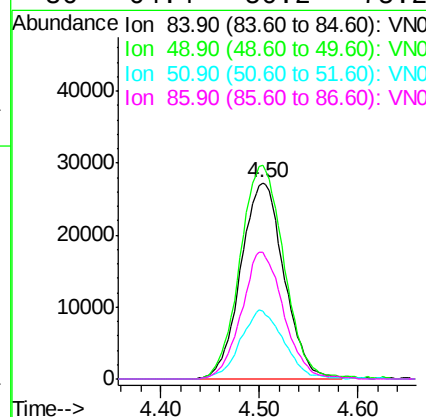
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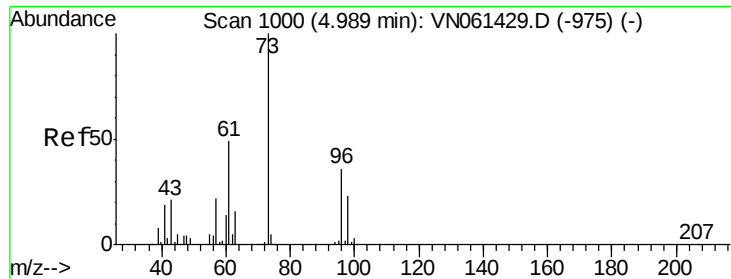
MMDadoda
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#20
Methylene Chloride
Concen: 18.921 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion: 84 Resp: 82976
Ion Ratio Lower Upper
84 100
49 109.1 95.3 142.9
51 34.4 29.0 43.6
86 64.4 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 19.282 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 96 Resp: 81482

Ion Ratio Lower Upper

96 100

61 127.7 109.8 164.6

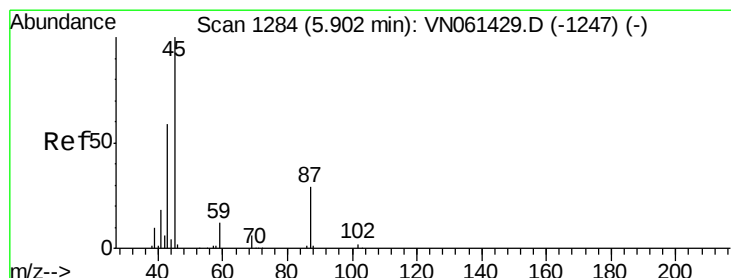
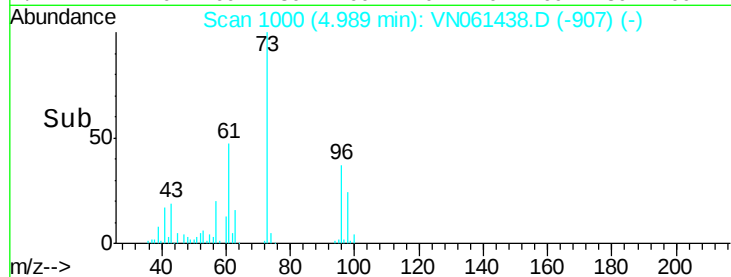
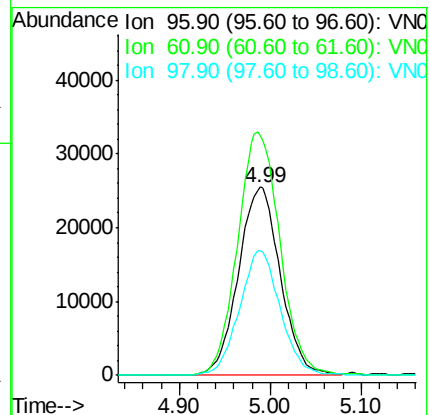
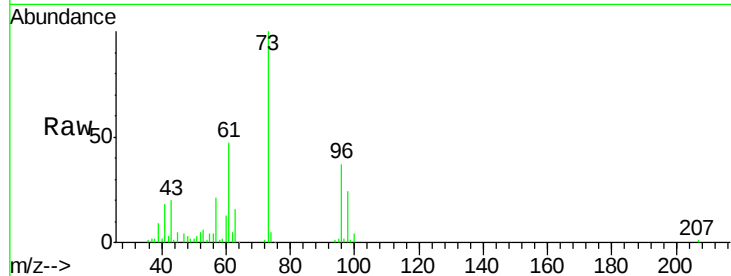
98 66.1 52.4 78.6

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#22

Diisopropyl ether

Concen: 17.835 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion: 45 Resp: 239027

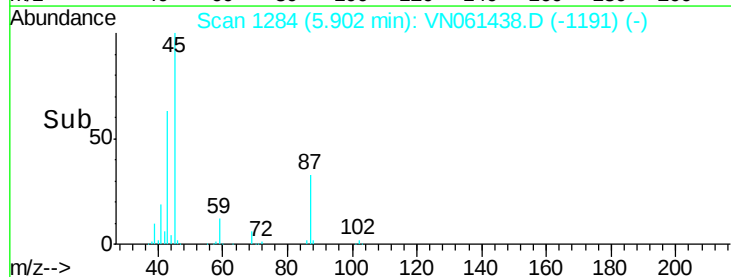
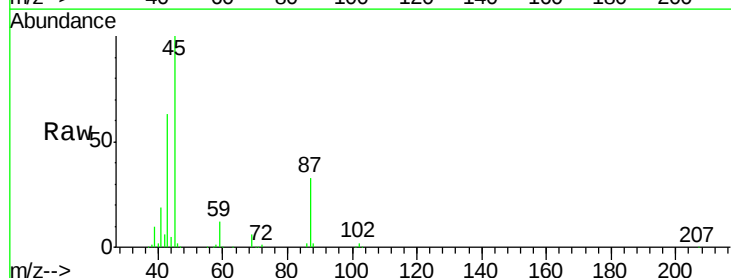
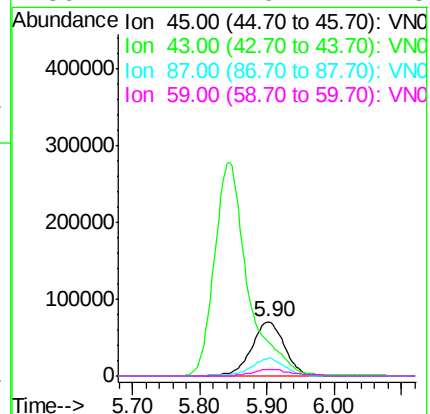
Ion Ratio Lower Upper

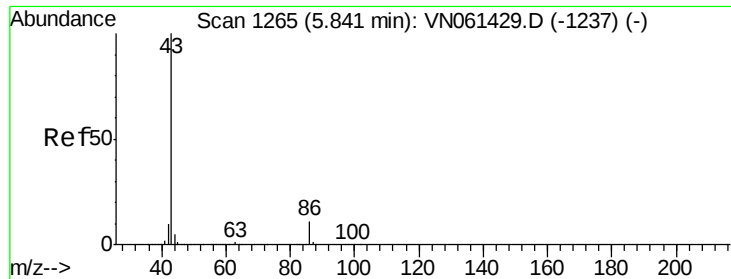
45 100

43 61.4 47.9 71.9

87 32.8 24.0 36.0

59 12.2 9.7 14.5





#23

Vinyl Acetate

Concen: 90.019 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 43 Resp: 959376

Ion Ratio Lower Upper

43 100

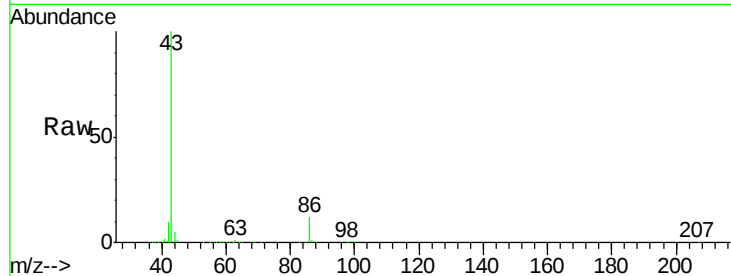
86 12.4 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

300000

250000

200000

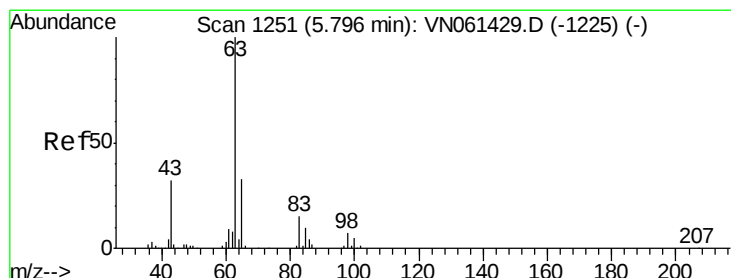
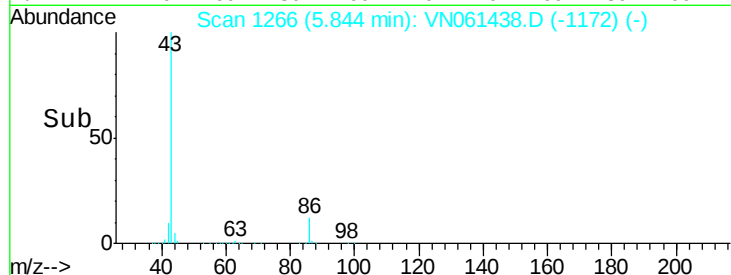
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.308 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

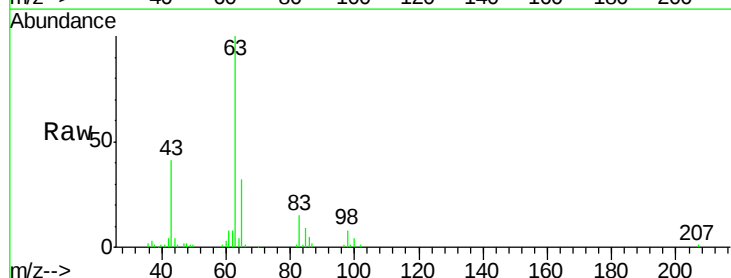
Tgt Ion: 63 Resp: 143112

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.4 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.80

60000

50000

40000

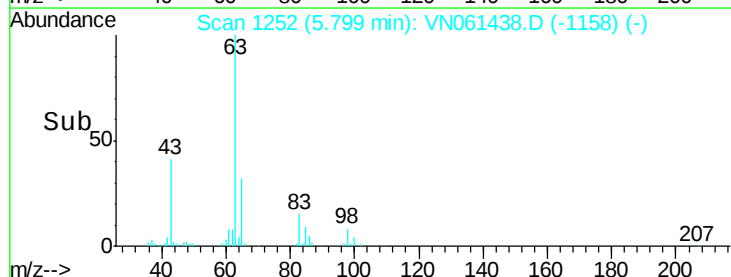
30000

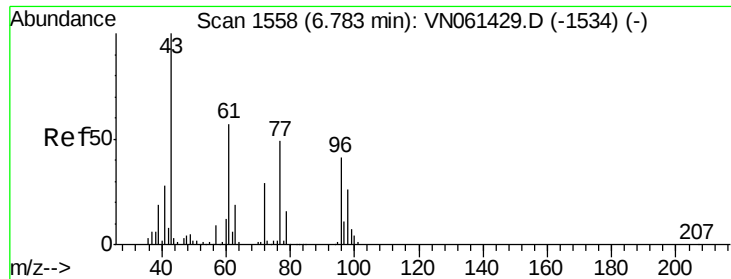
20000

10000

0

Time-->





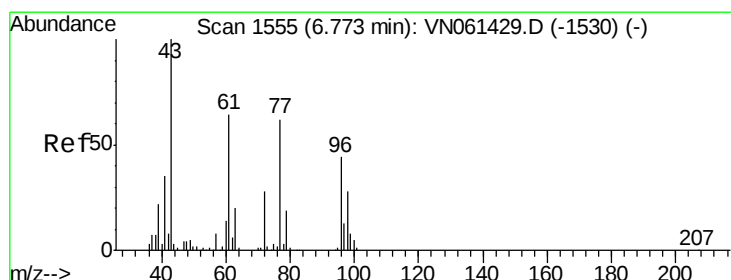
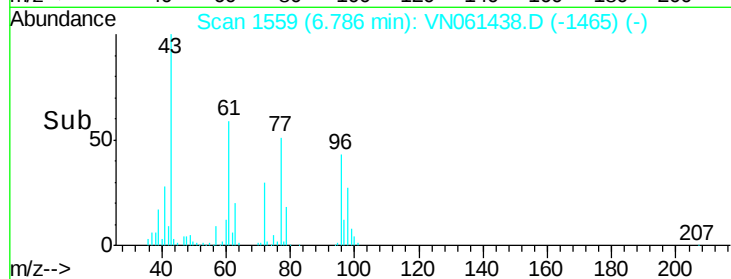
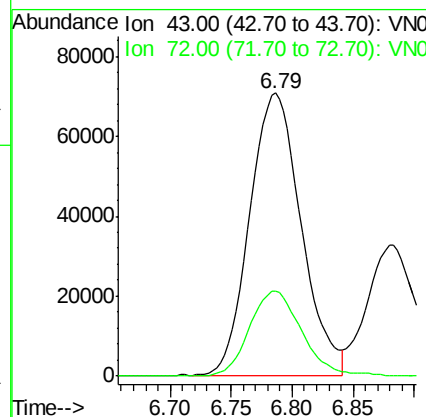
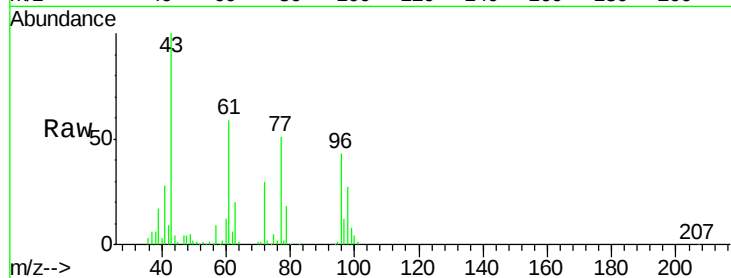
#25
 2-Butanone
 Concen: 84.839 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion: 43 Resp: 206113
 Ion Ratio Lower Upper
 43 100
 72 30.3 23.0 34.6

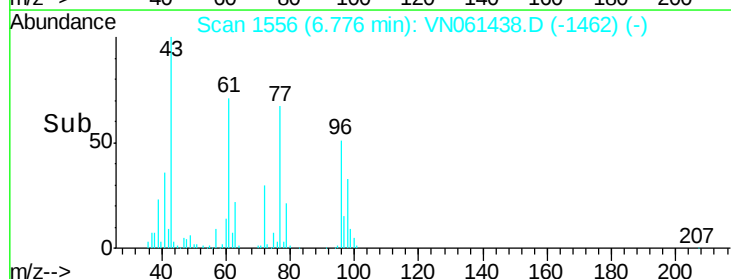
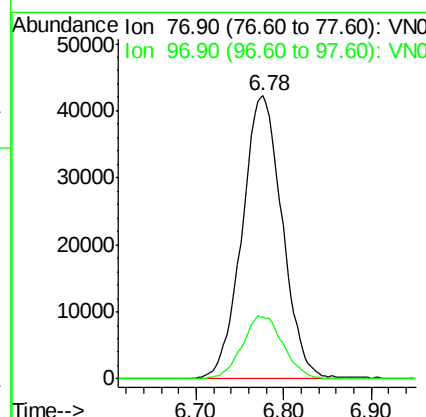
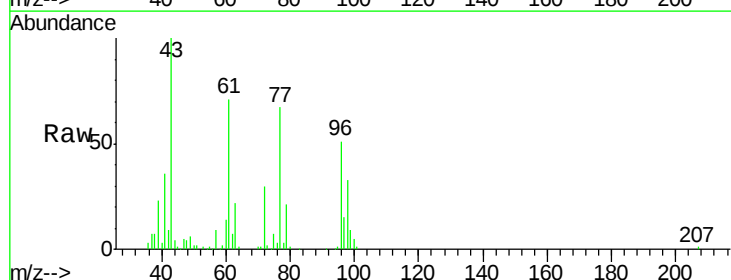
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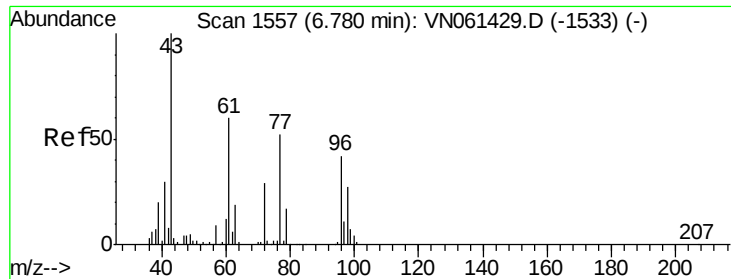
MMDadoda
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#26
 2,2-Dichloropropane
 Concen: 18.041 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion: 77 Resp: 134441
 Ion Ratio Lower Upper
 77 100
 97 22.6 10.9 32.9





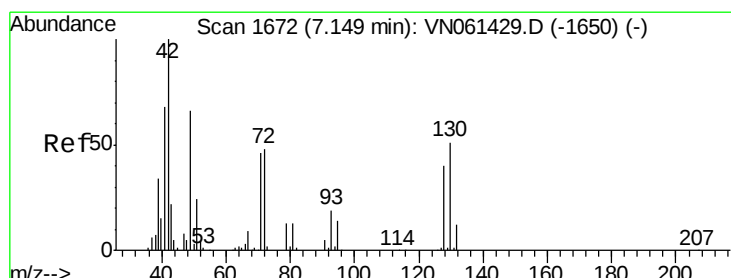
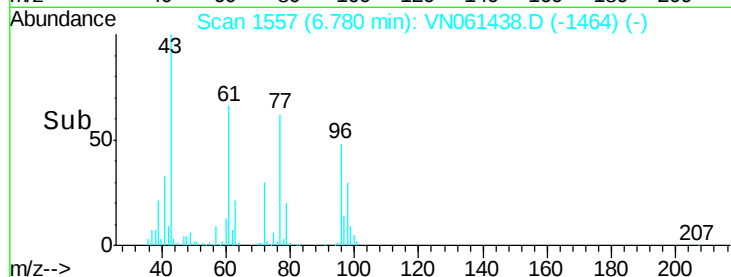
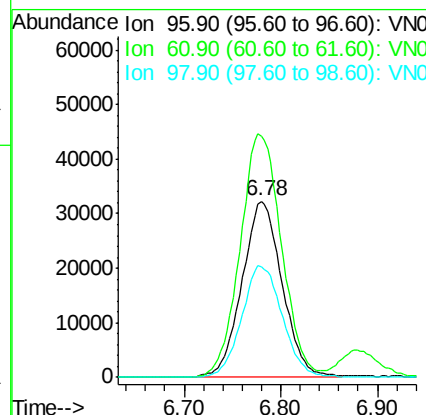
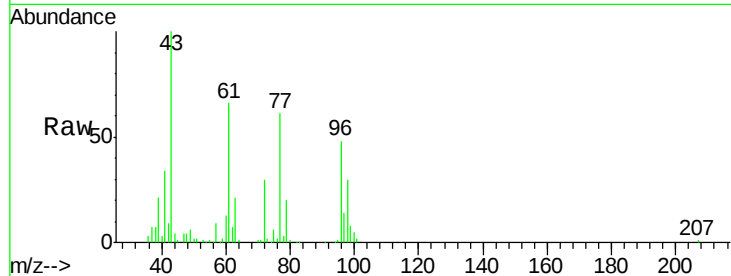
#27
 cis-1,2-Dichloroethene
 Concen: 18.603 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.6	0.0	294.2	
98	64.4	0.0	128.2	

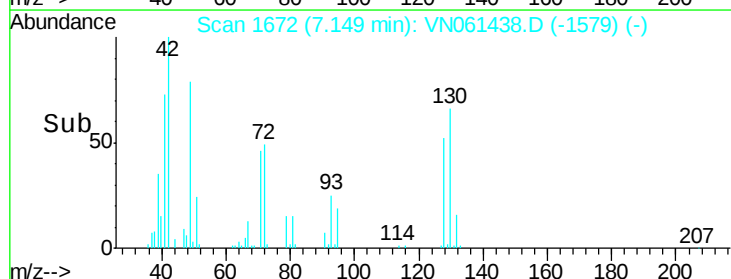
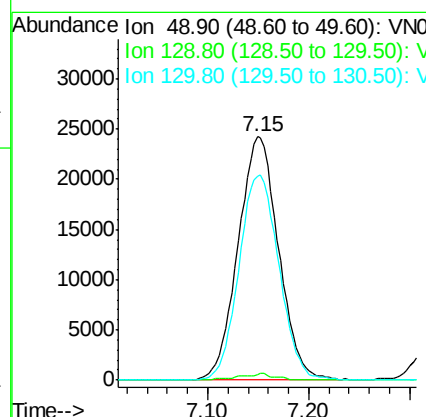
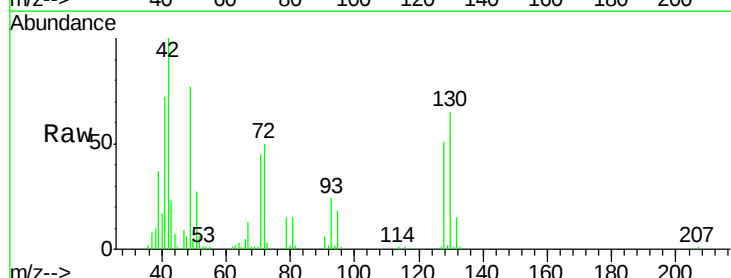
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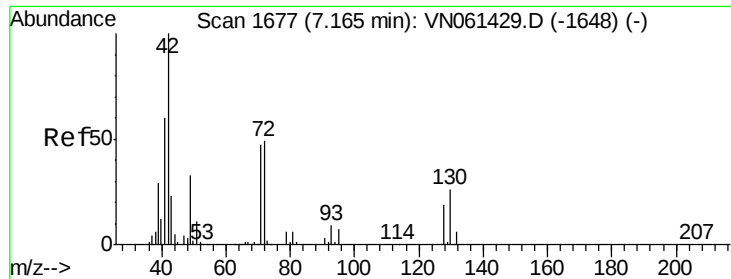
MMDadoda
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#28
 Bromochloromethane
 Concen: 20.335 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	4.6	
130	83.6	62.2	93.2	





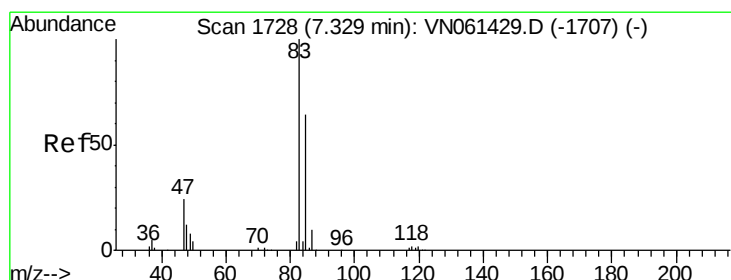
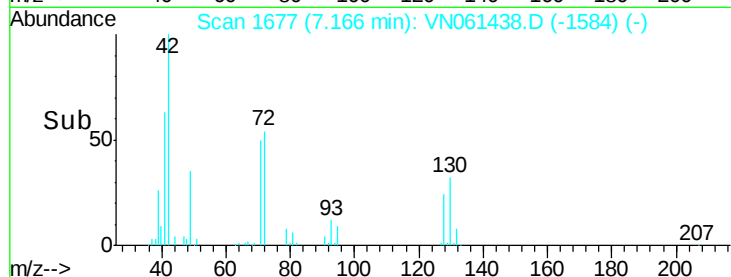
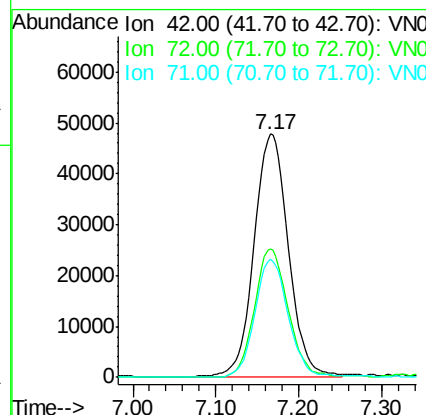
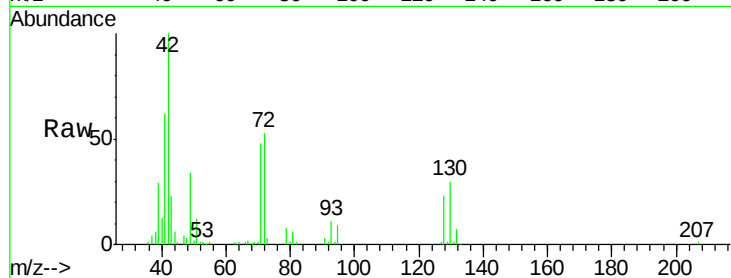
#29
Tetrahydrofuran
Concen: 85.979 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.3	39.0	58.6
71	46.8	36.9	55.3

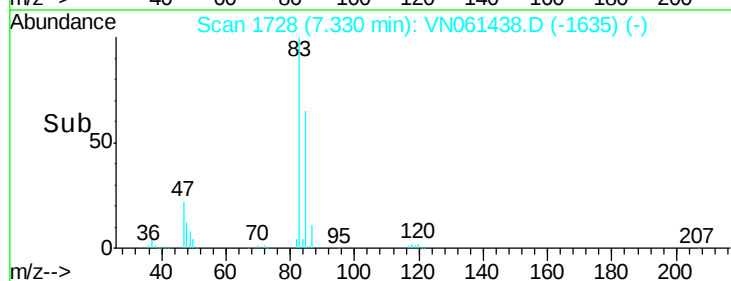
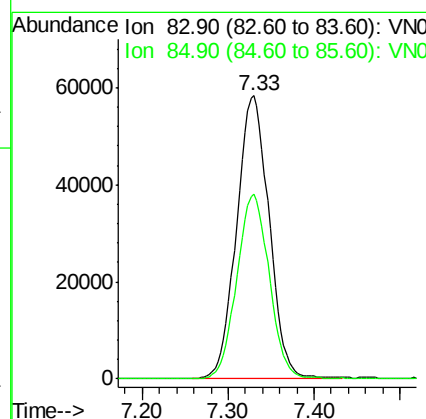
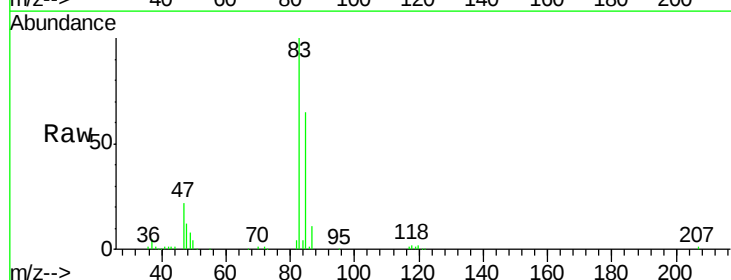
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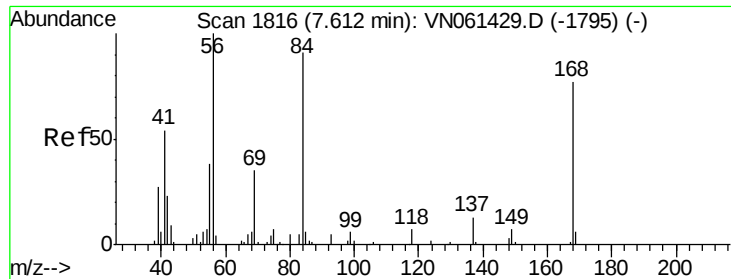
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#30
Chloroform
Concen: 18.826 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





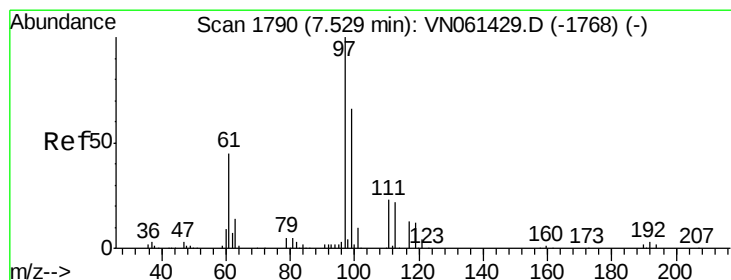
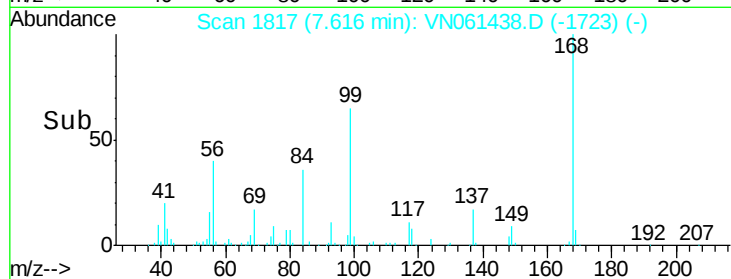
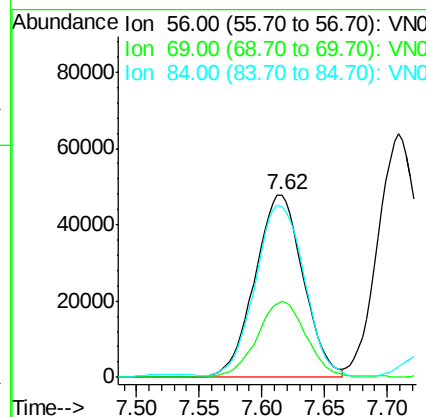
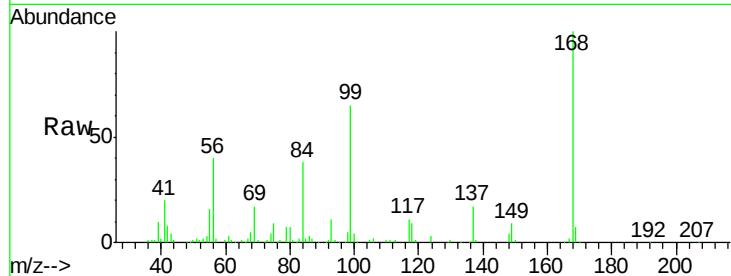
#31
Cyclohexane
Concen: 16.696 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.6	27.8	41.6
84	92.2	72.7	109.1

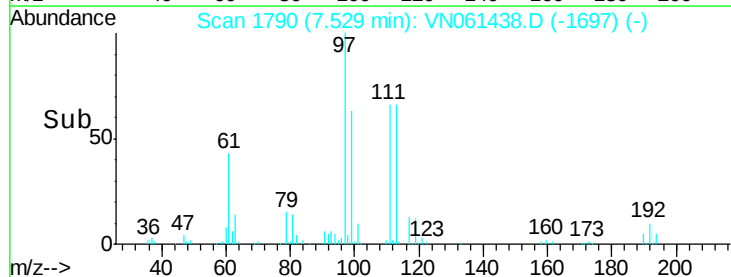
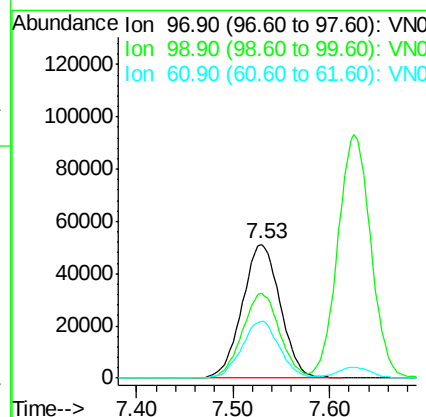
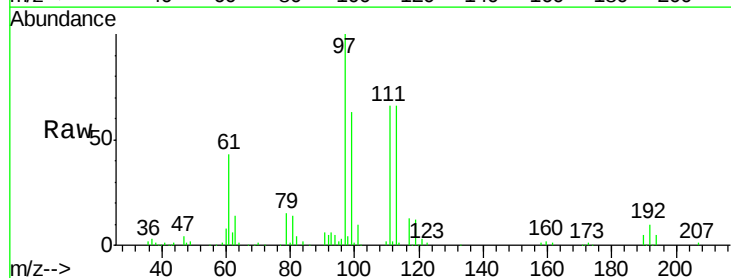
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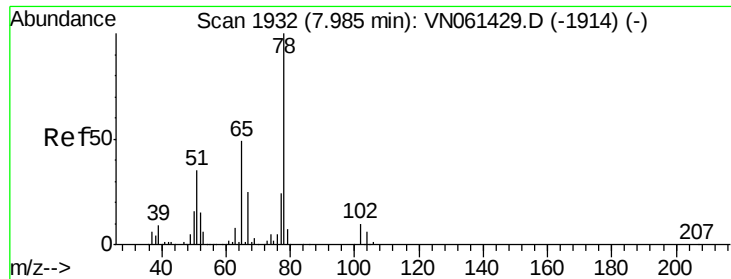
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#32
1,1,1-Trichloroethane
Concen: 18.748 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.5	77.3
61	42.0	35.8	53.6





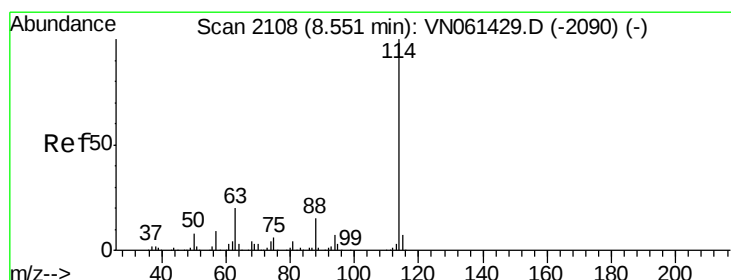
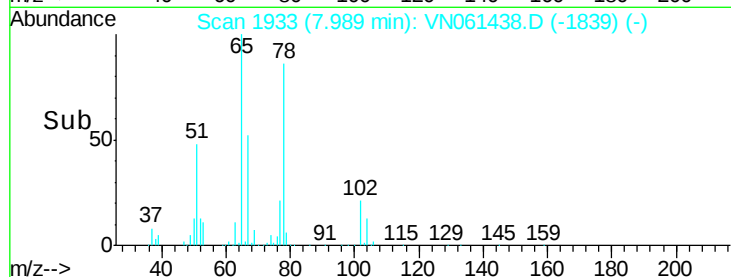
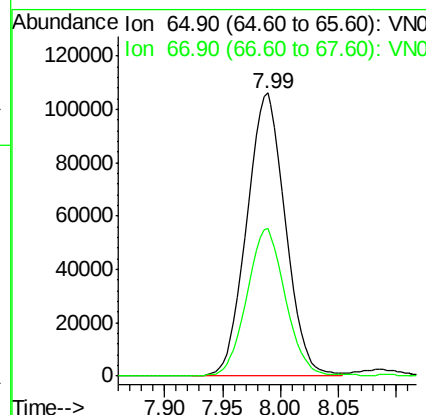
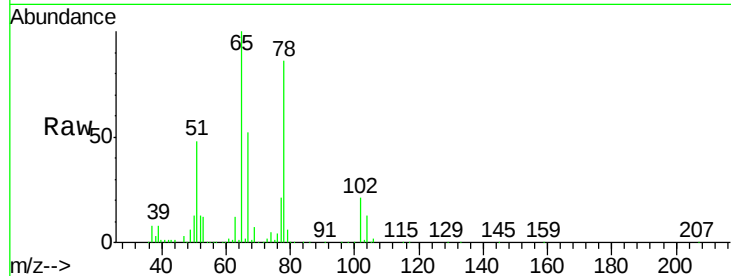
#33
 1,2-Dichloroethane-d4
 Concen: 46.129 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	246140		
67	51.7	0.0	101.4	

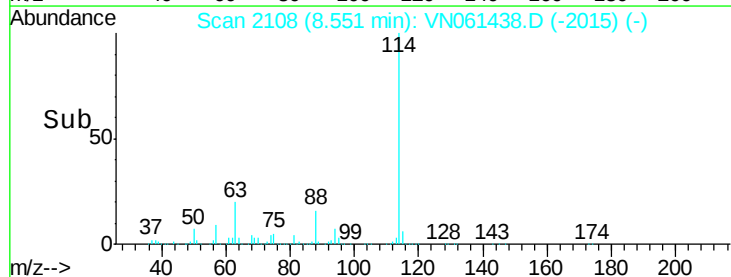
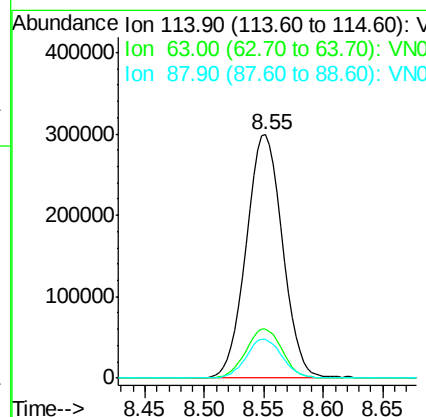
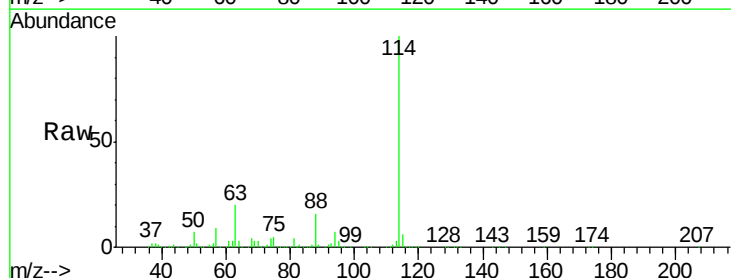
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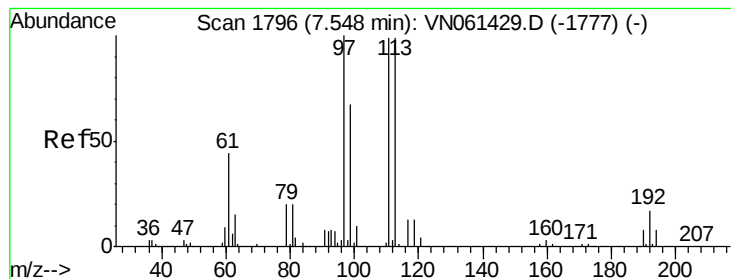
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	633306		
63	20.1	0.0	40.8	
88	15.9	0.0	30.8	





#35

Dibromofluoromethane

Concen: 53.014 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

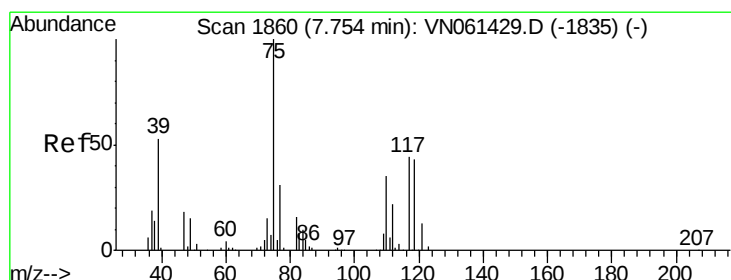
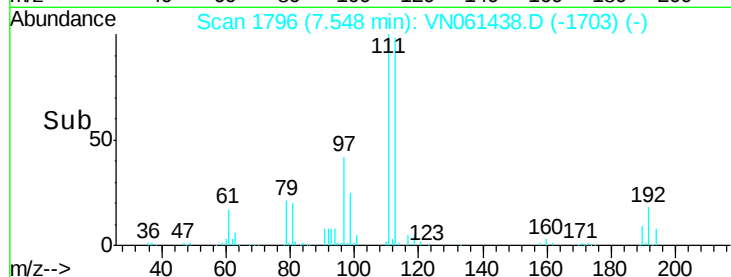
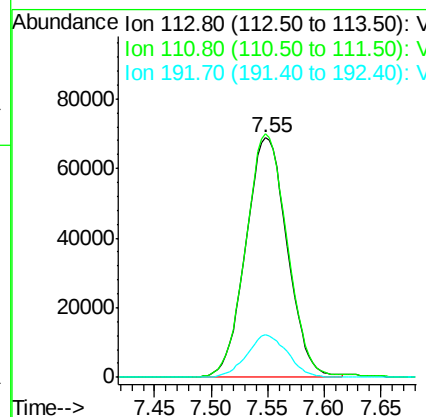
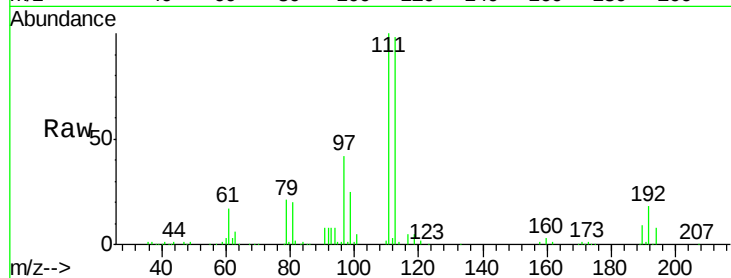
ClientSampleId :

VN0518MBSD01

Tot Ion:	113	Resp:	175885
Ion Ratio	Lower	Upper	
113	100		
111	101.2	80.6	121.0
192	17.3	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.747 ug/l

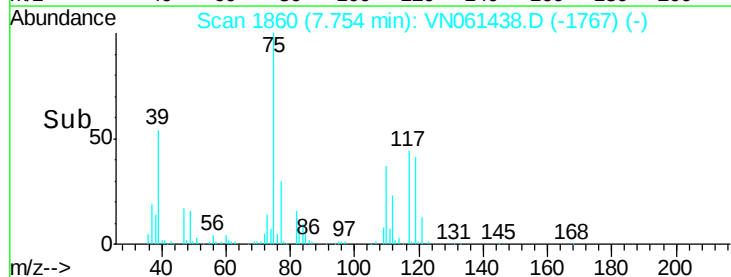
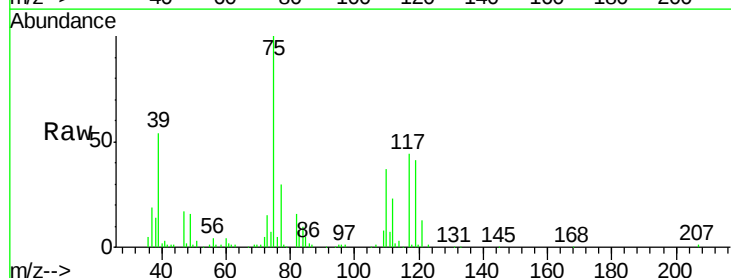
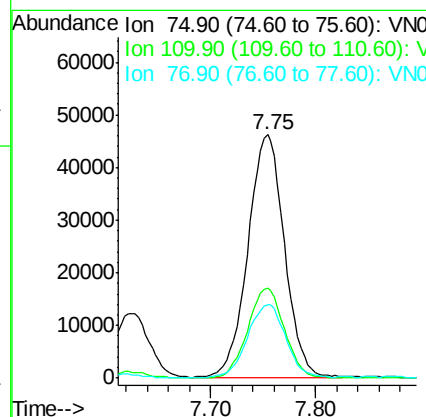
RT: 7.75 min Scan# 1860

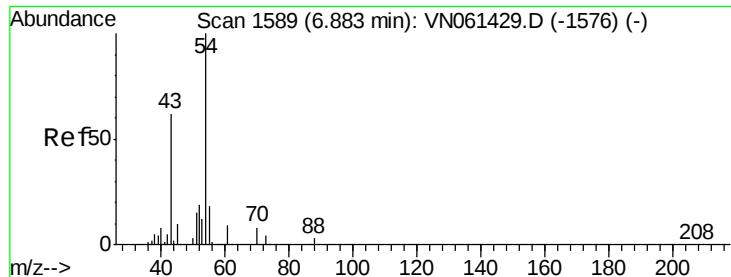
Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	75	Resp:	111014
Ion Ratio	Lower	Upper	
75	100		
110	37.3	17.3	51.9
77	31.0	24.9	37.3





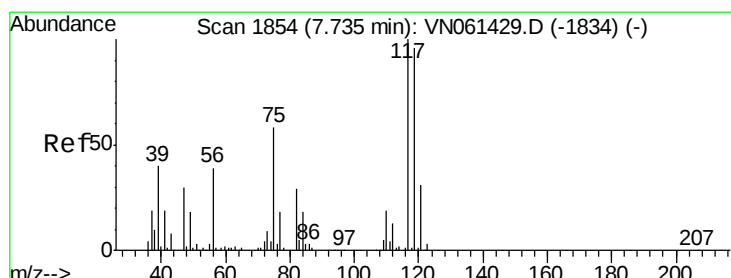
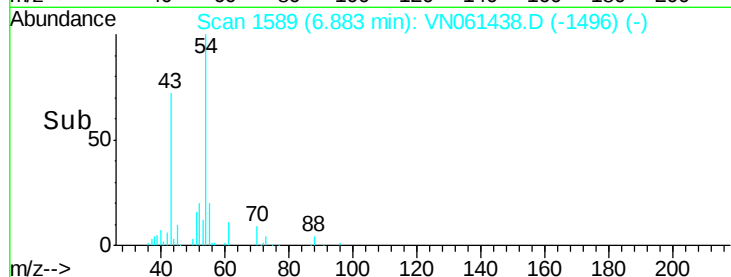
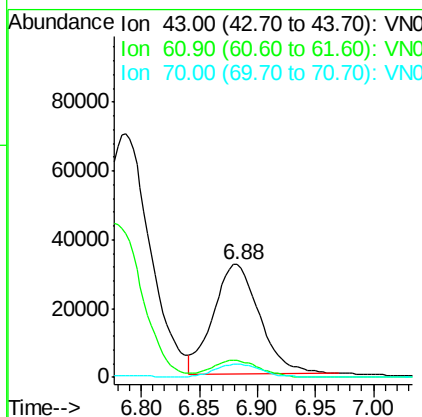
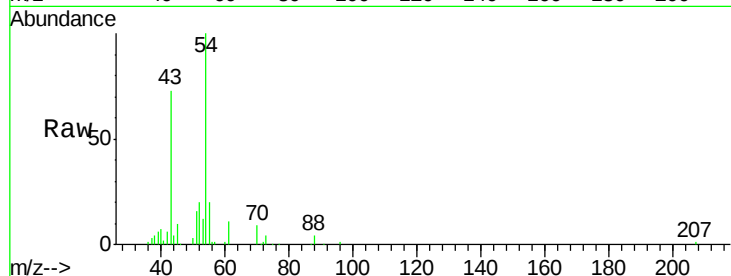
#37
Ethyl Acetate
Concen: 16.613 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	11.7	17.5
70	12.6	9.2	13.8

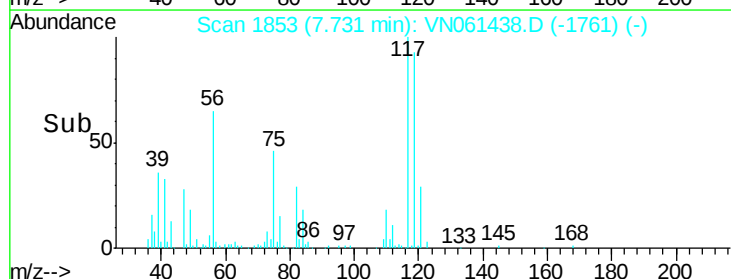
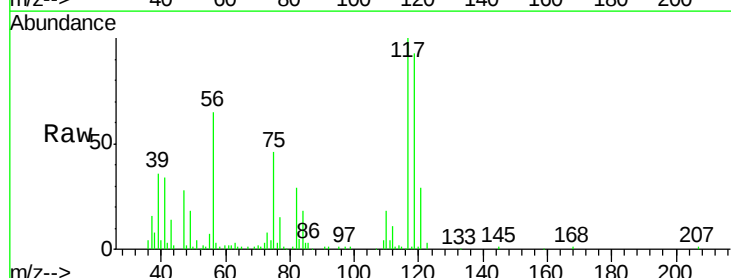
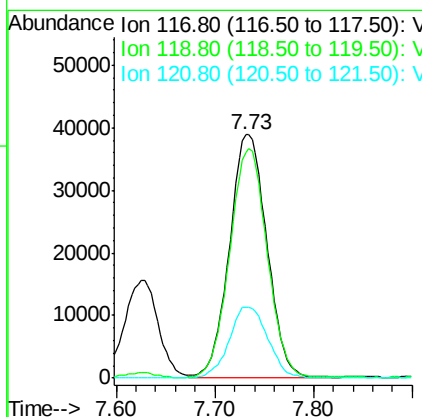
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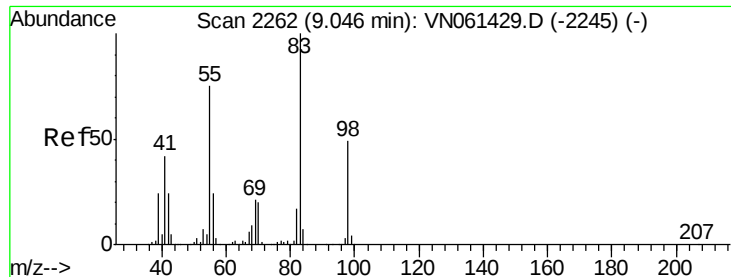
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#38
Carbon Tetrachloride
Concen: 18.902 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	77.0	115.6
121	29.3	24.7	37.1





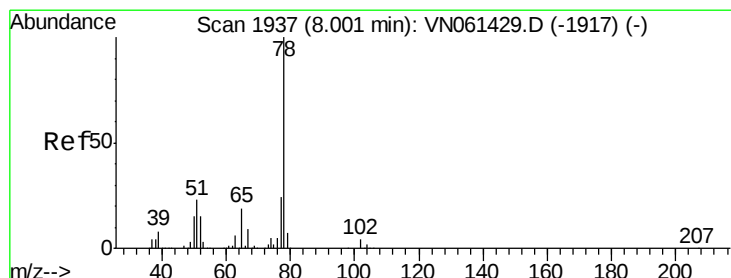
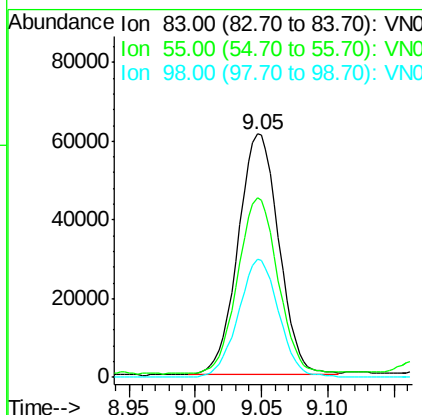
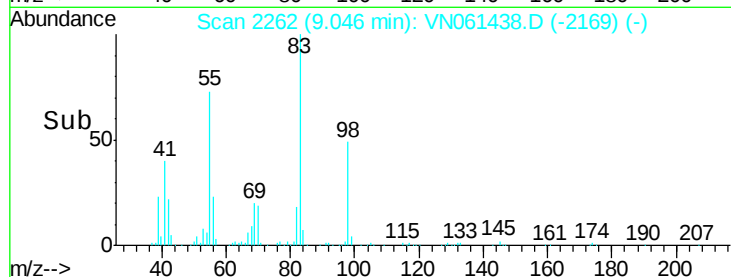
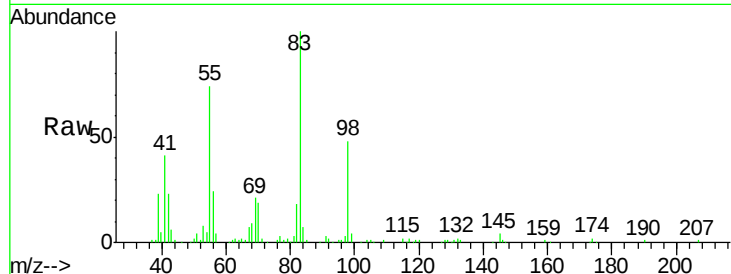
#39
Methvlcvclohexane
Concen: 18.028 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.9	59.7	89.5	
98	48.9	38.9	58.3	

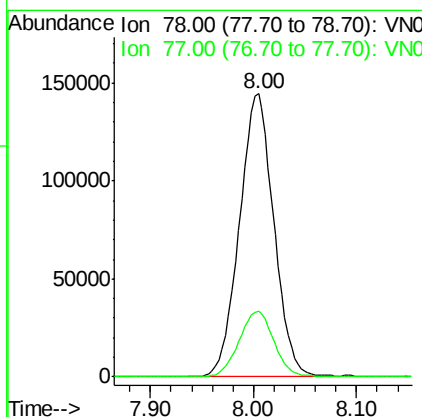
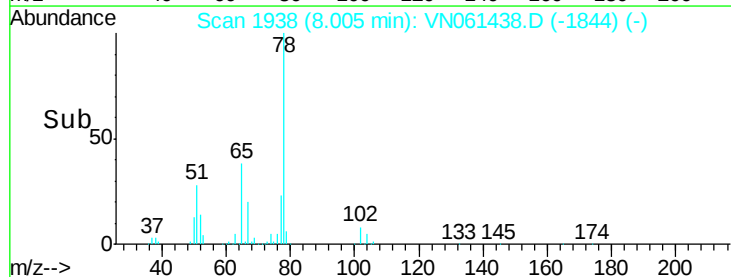
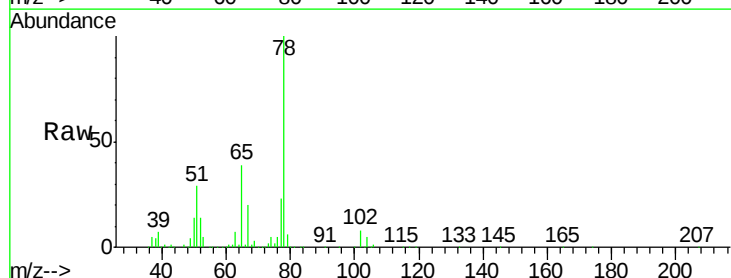
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#40
Benzene
Concen: 18.729 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	22.9	19.1	28.7	





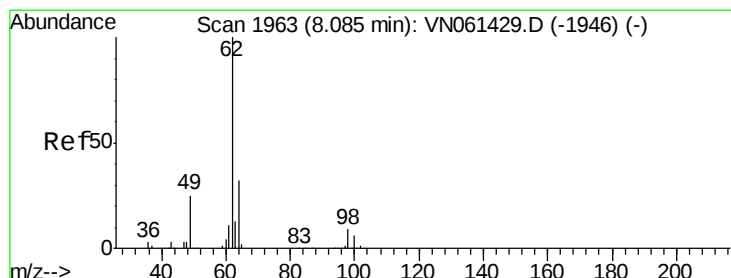
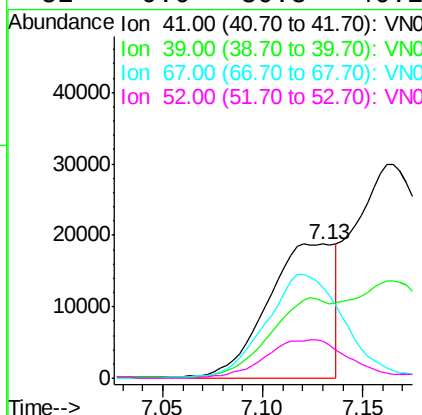
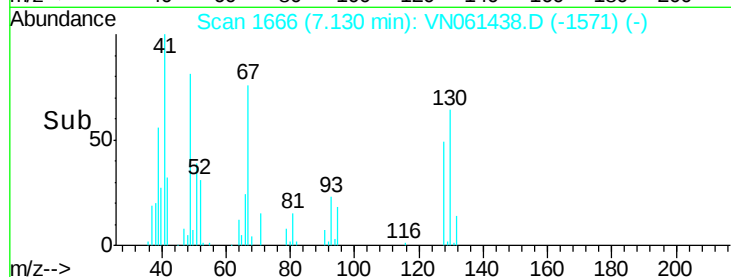
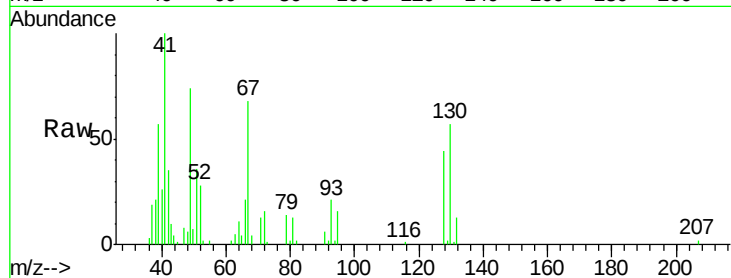
#41
Methacrylonitrile
Concen: 19.577 ug/l m
RT: 7.13 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#

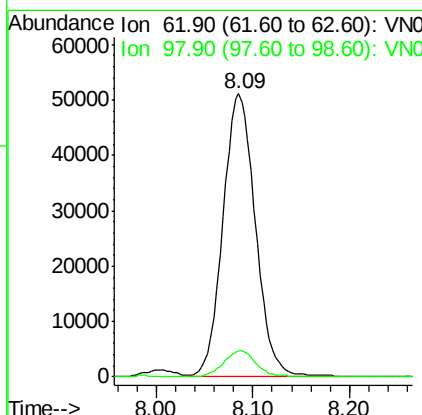
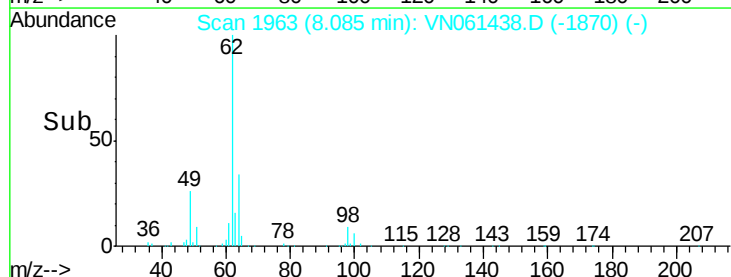
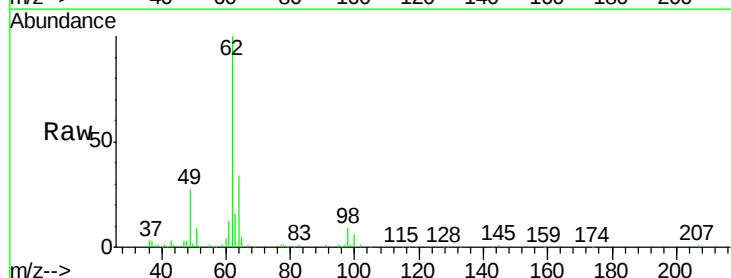
Manual Integrations
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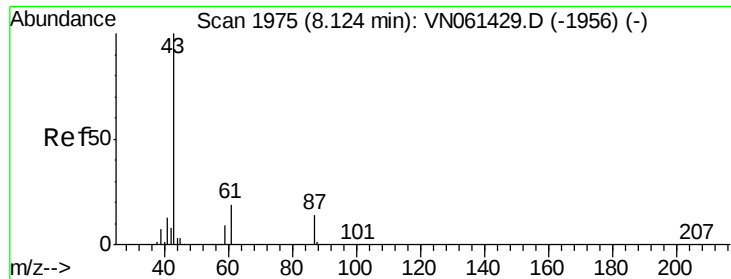
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#42
1,2-Dichloroethane
Concen: 18.548 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4





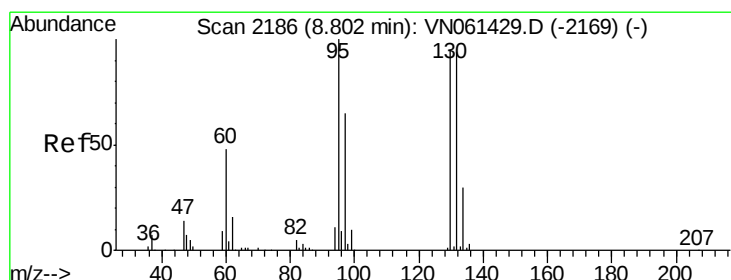
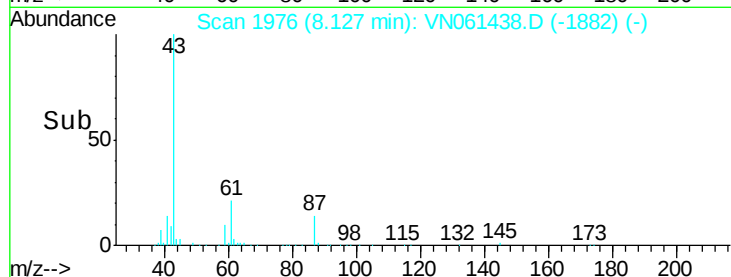
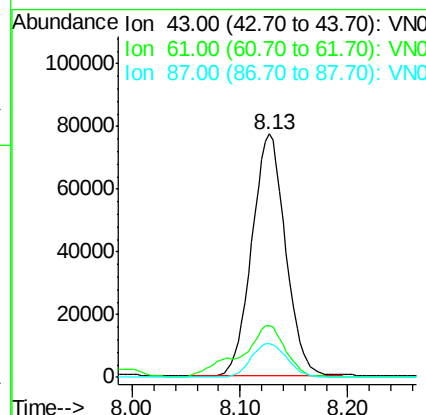
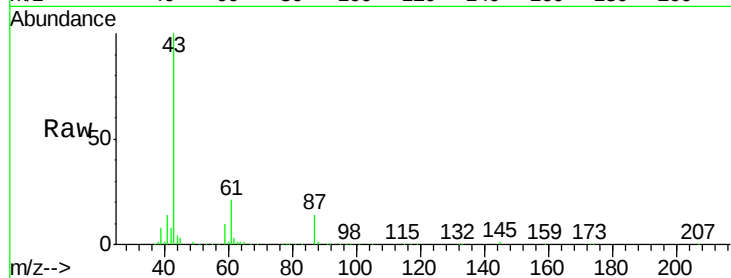
#43
Isopropyl Acetate
Concen: 17.892 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.0	34.4
87	14.8	11.6	17.4

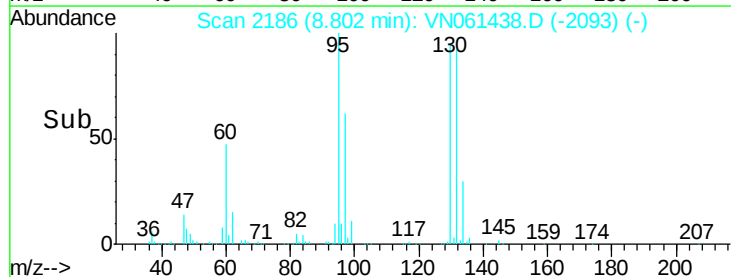
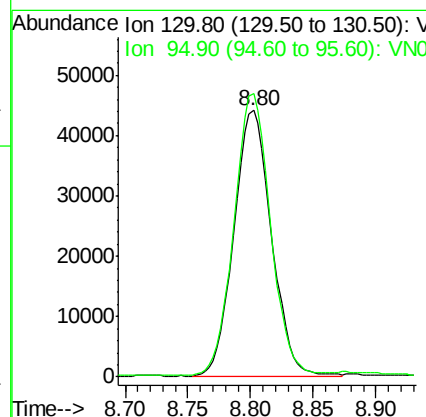
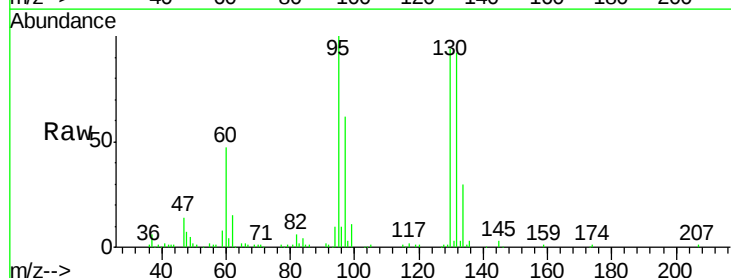
Manual Integrations
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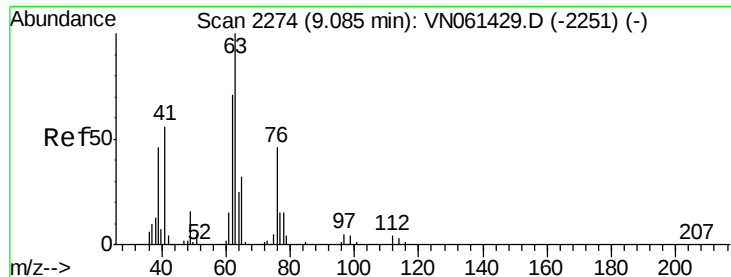
MMDadoda
5/19/2020 4:25:09 PM



#44
Trichloroethene
Concen: 19.768 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.4	0.0	209.8





#45

1,2-Dichloropropane

Concen: 18.683 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 63 Resp: 83454

Ion Ratio Lower Upper

63 100

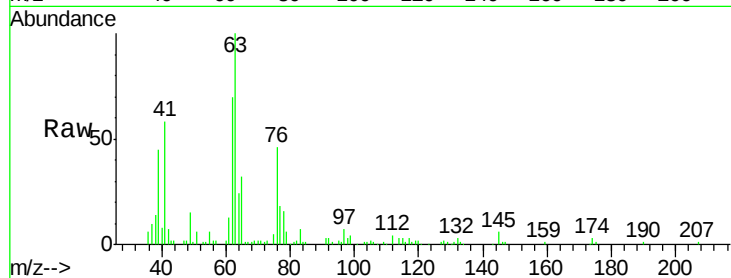
65 31.3 25.2 37.8

Manual Integrations

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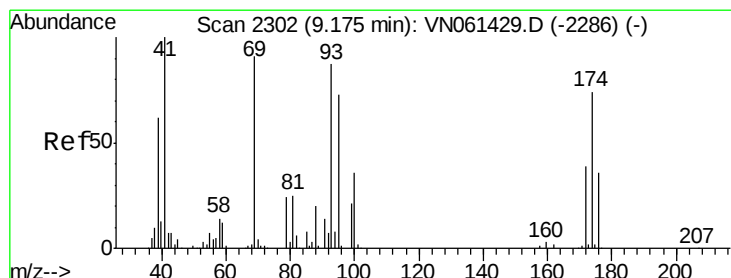
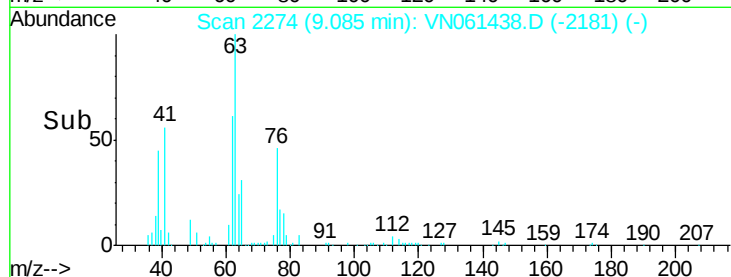
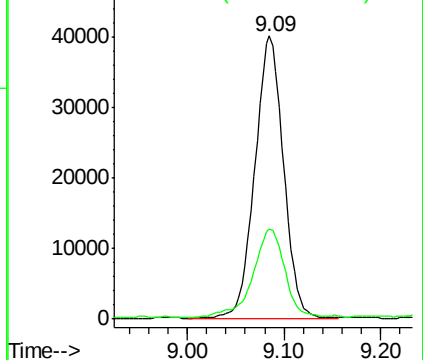
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.404 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

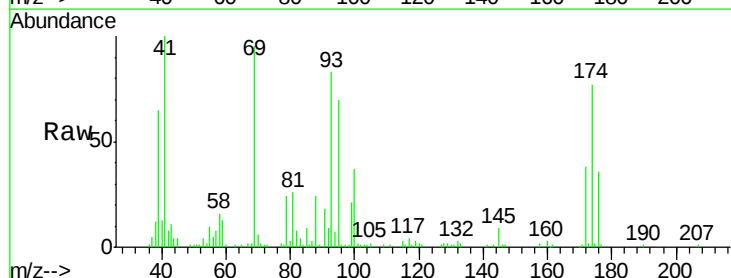
Tgt Ion: 93 Resp: 57629

Ion Ratio Lower Upper

93 100

95 80.9 65.6 98.4

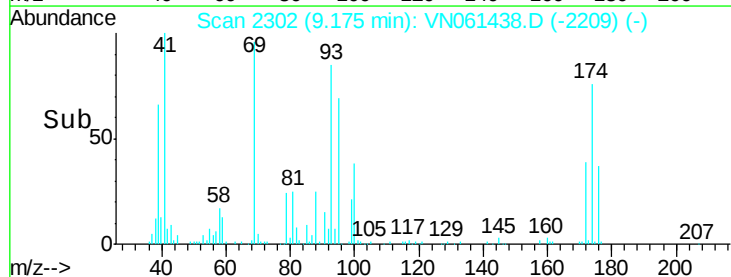
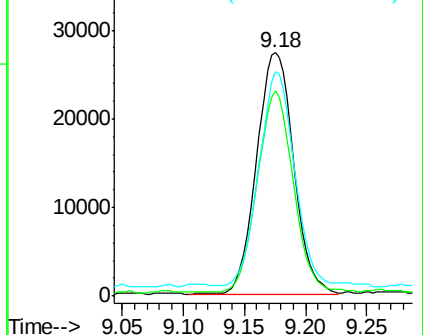
174 87.2 68.0 102.0

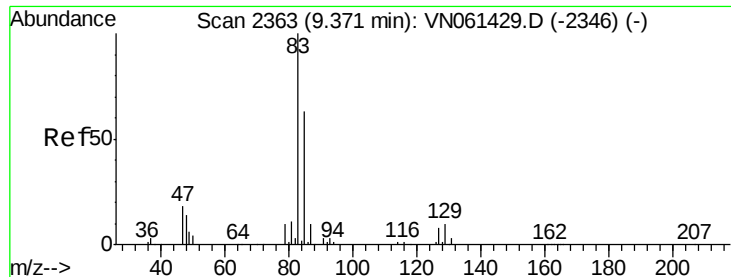


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 18.335 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

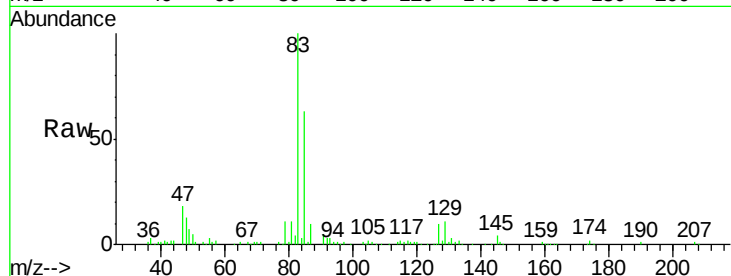
ClientSampleId :

VN0518MBSD01

Tot Ion:	83	Resp:	120967
Ion Ratio	Lower	Upper	
83	100		
85	64.1	50.6	76.0
127	9.4	6.1	9.1#

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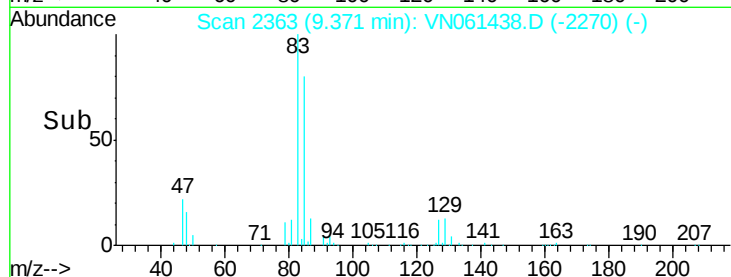


Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-2346) (-)

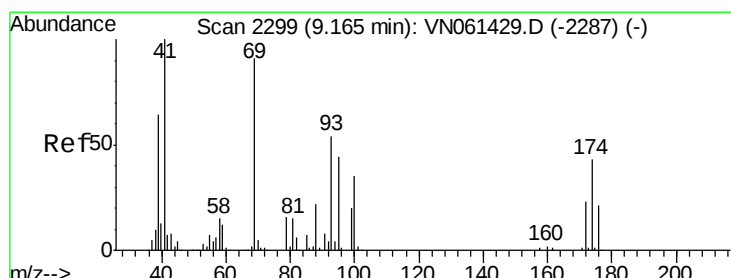
Ion 84.90 (84.60 to 85.60): VN061429.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061429.D (-2346) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 16.967 ug/l

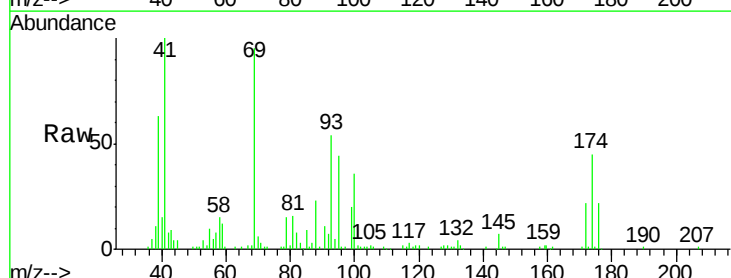
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	41	Resp:	73416
Ion Ratio	Lower	Upper	
41	100		
69	99.9	75.3	112.9
39	66.4	52.6	79.0

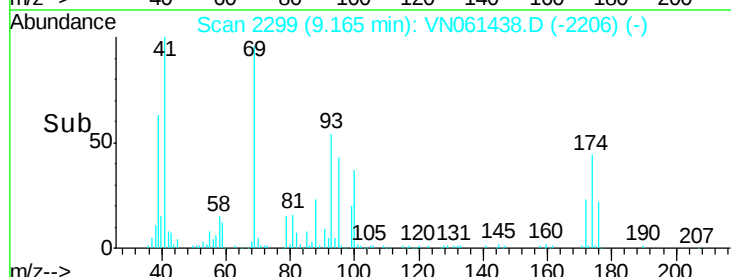


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

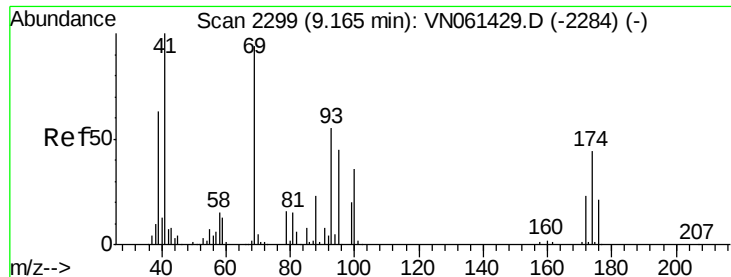
Ion 69.00 (68.70 to 69.70): VN061429.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-2287) (-)

Time-->



Time-->



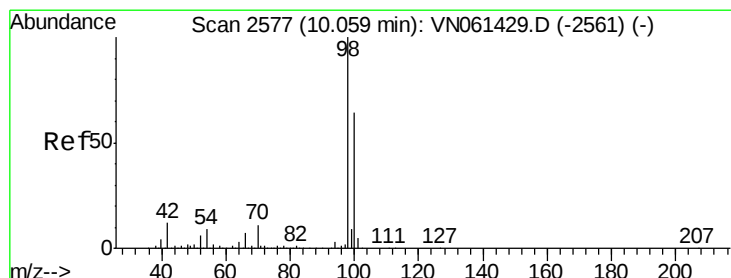
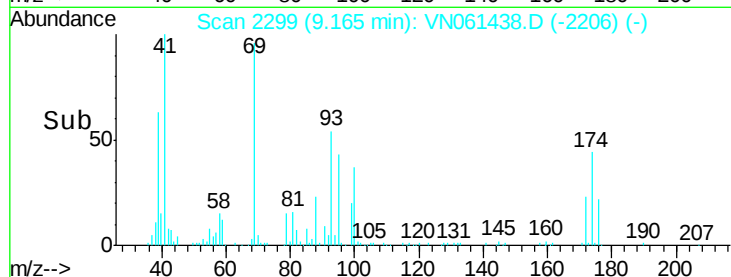
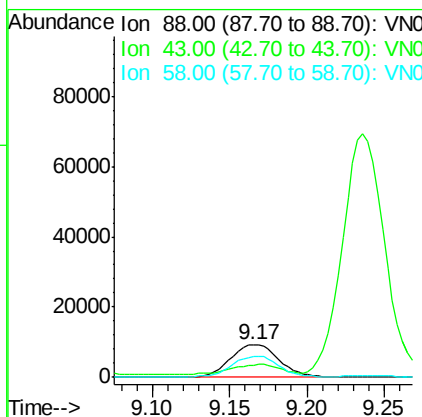
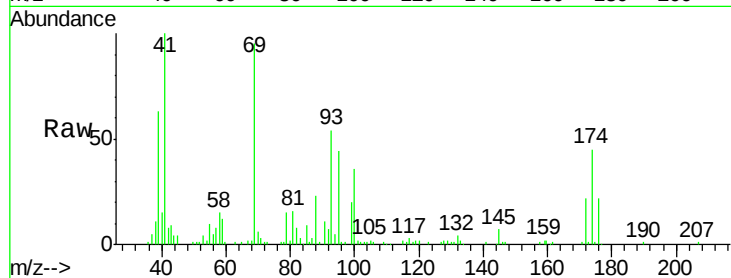
#49
1,4-Dioxane
Concen: 422.699 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	88	Resp	20228
Ion Ratio	Lower	Upper	
88	100		
43	31.4	26.3	39.5
58	64.7	54.1	81.1

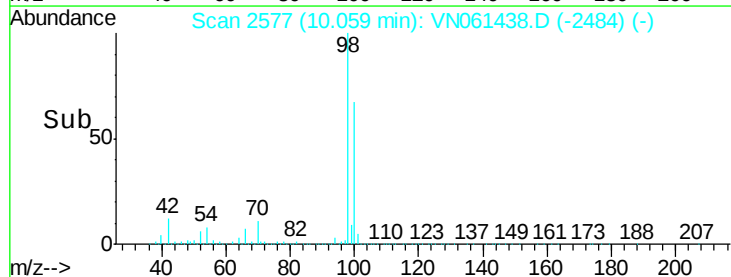
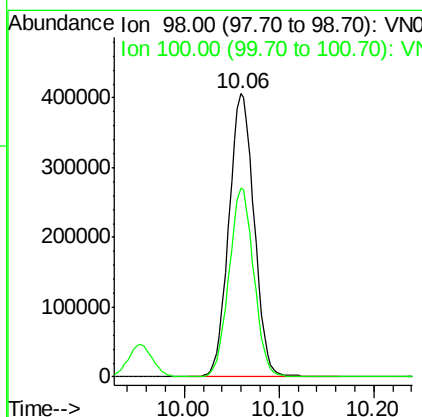
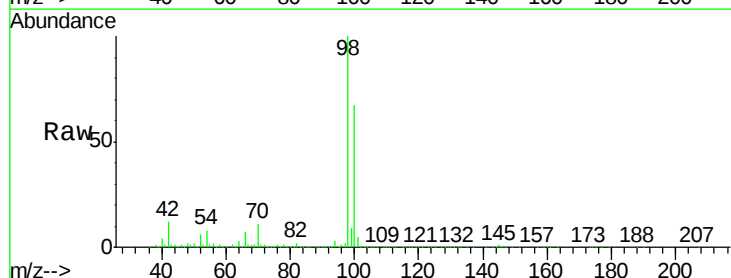
Manual Integrations
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#50
Toluene-d8
Concen: 48.792 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	98	Resp	750835
Ion Ratio	Lower	Upper	
98	100		
100	65.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 90.470 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 43 Resp: 461620

Ion Ratio Lower Upper

43 100

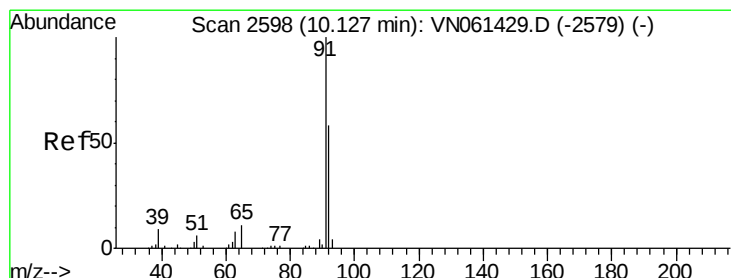
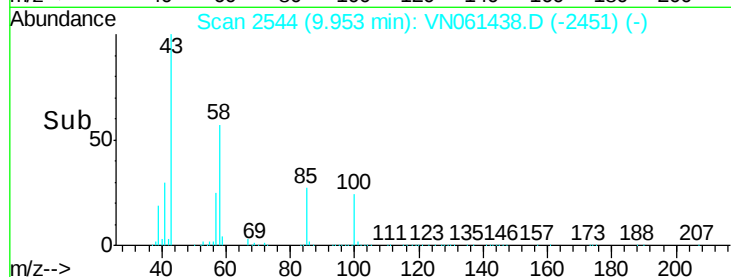
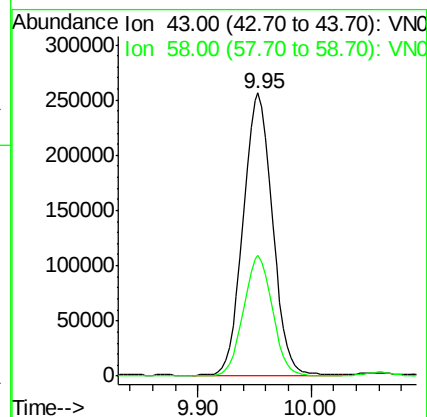
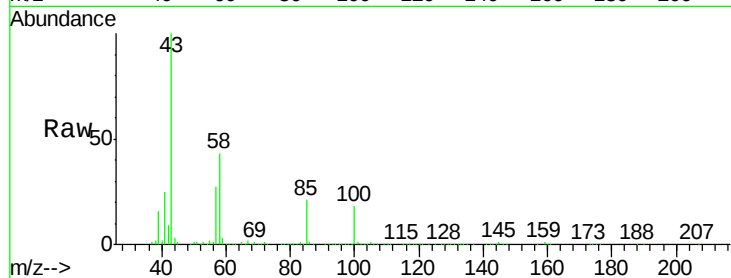
58 42.2 33.4 50.2

Manual Integrations

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#52

Toluene

Concen: 18.827 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061438.D

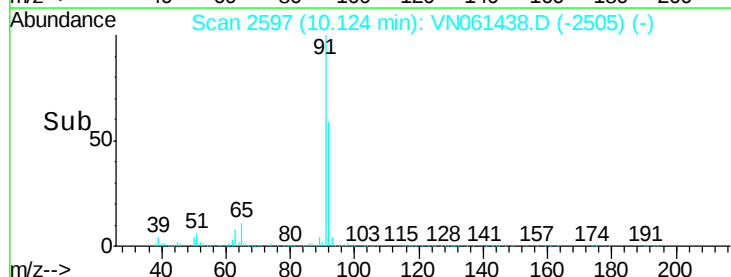
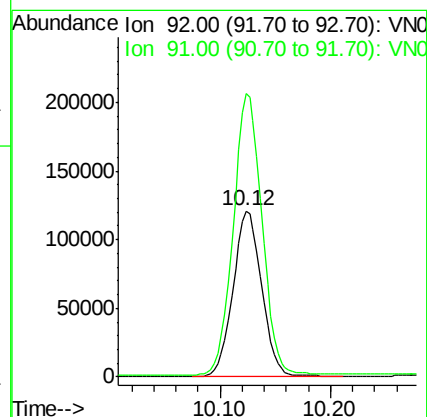
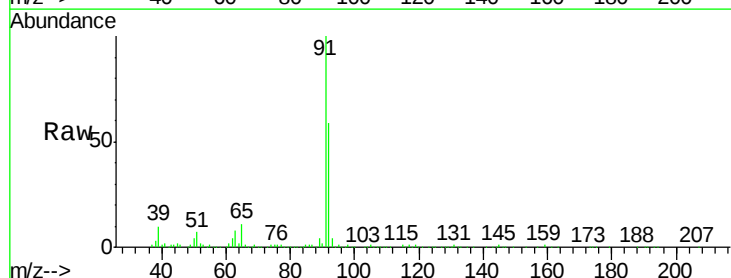
Acq: 18 May 2020 16:40

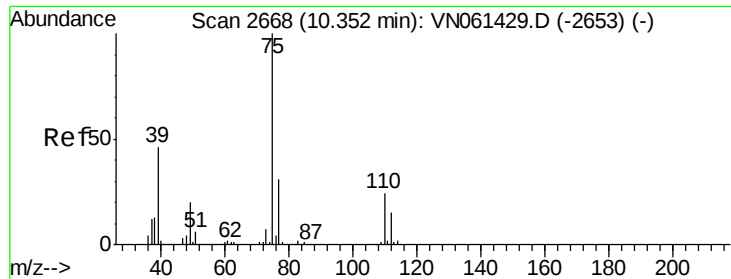
Tgt Ion: 92 Resp: 215706

Ion Ratio Lower Upper

92 100

91 171.2 138.0 207.0





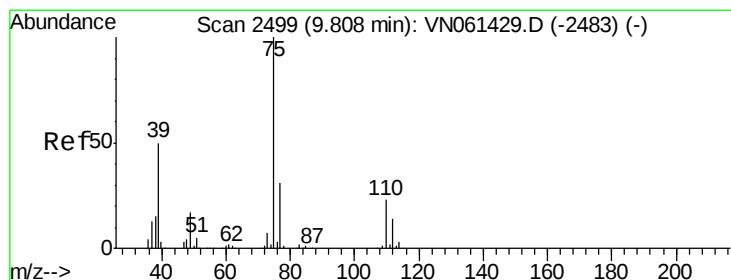
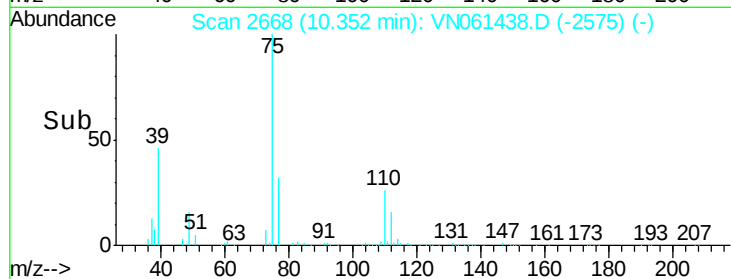
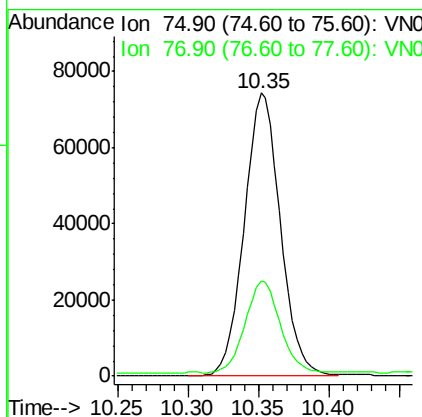
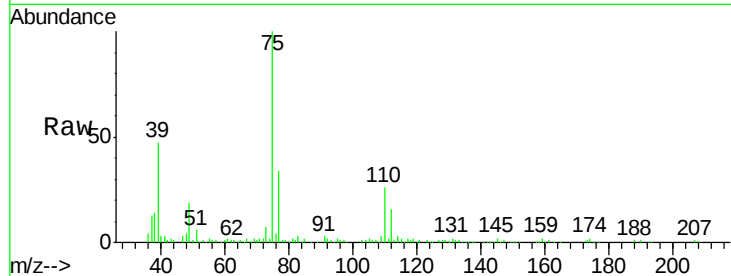
#53
t-1,3-Dichloropropene
Concen: 18.453 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2

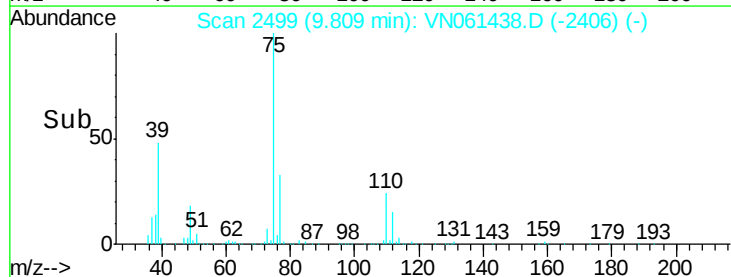
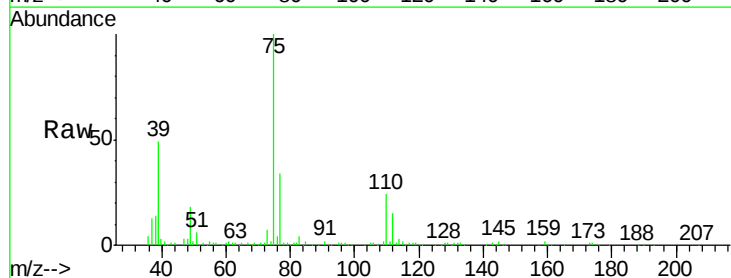
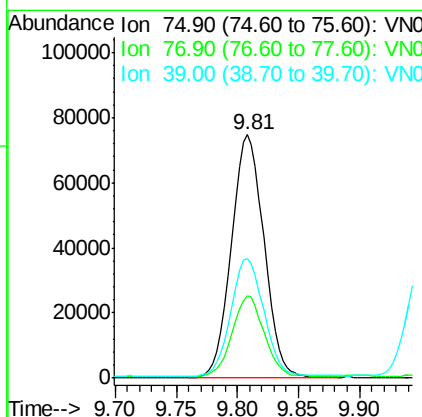
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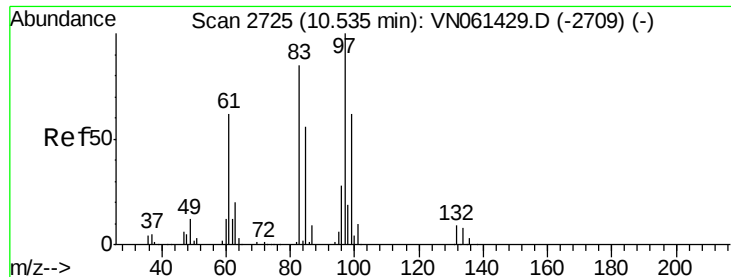
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#54
cis-1,3-Dichloropropene
Concen: 18.174 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.8	37.2
39	48.4	39.8	59.6





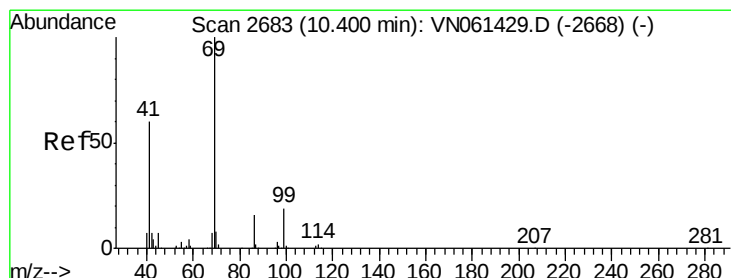
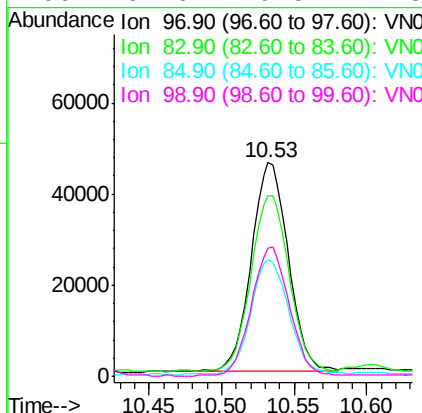
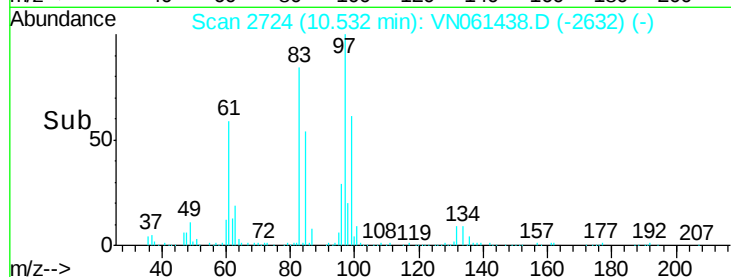
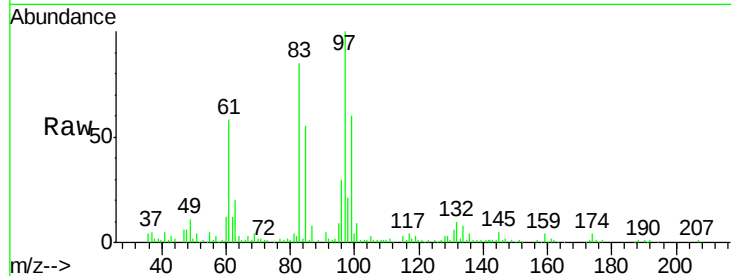
#55
 1,1,2-Trichloroethane
 Concen: 18.751 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion:	97	Resp:	81222
Ion	Ratio	Lower	Upper
97	100		
83	84.0	68.2	102.4
85	54.6	44.6	67.0
99	61.6	49.5	74.3

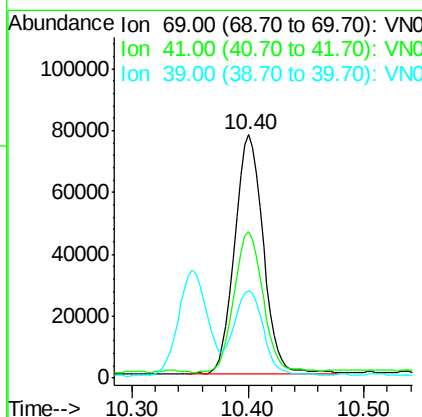
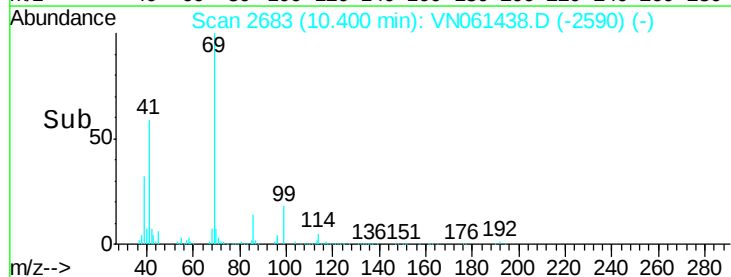
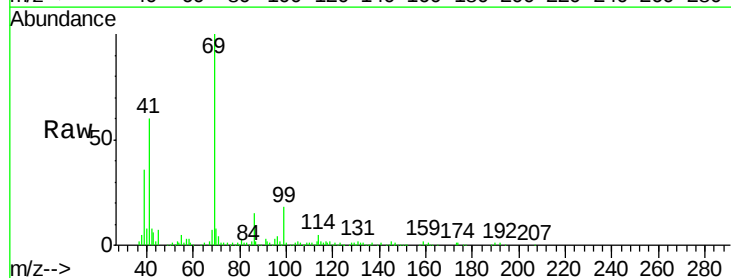
Manual Integrations
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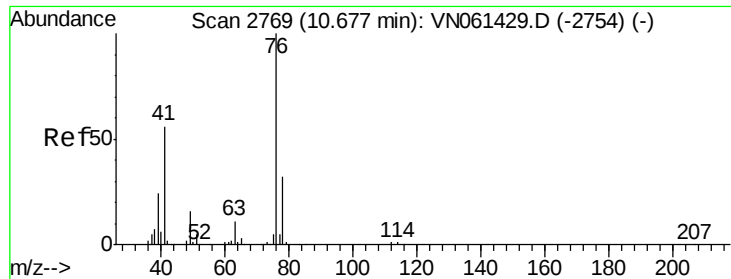
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#56
 Ethyl methacrylate
 Concen: 19.542 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion:	69	Resp:	132338
Ion	Ratio	Lower	Upper
69	100		
41	59.0	48.3	72.5
39	35.1	30.2	45.2





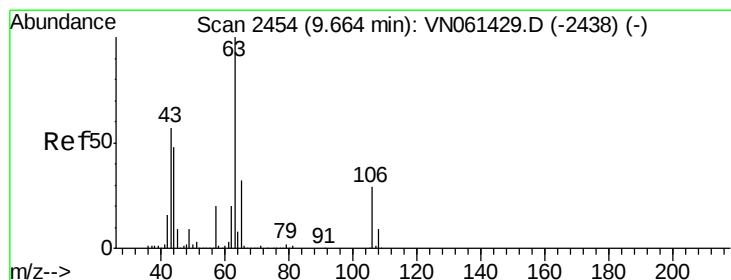
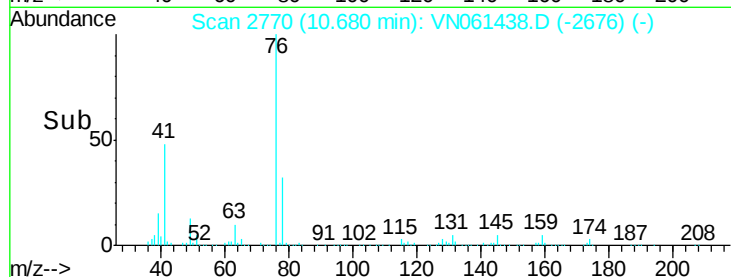
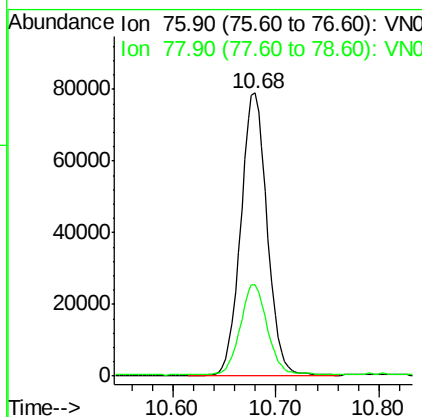
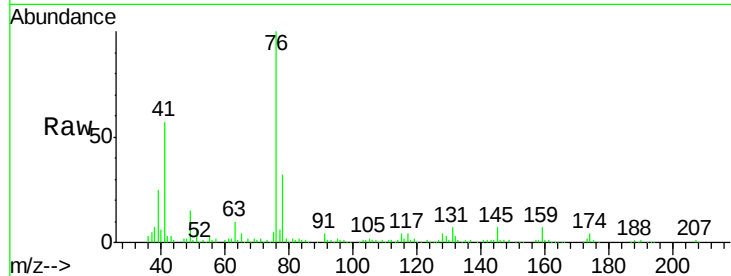
#57
 1,3-Dichloropropane
 Concen: 18.901 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

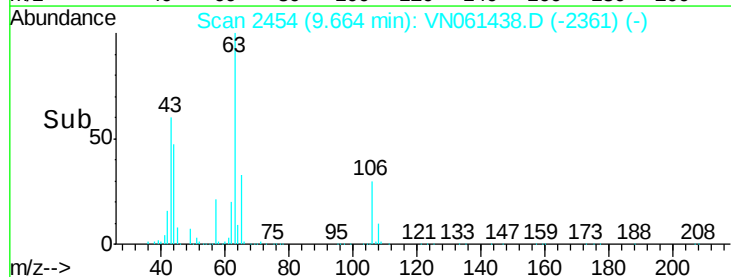
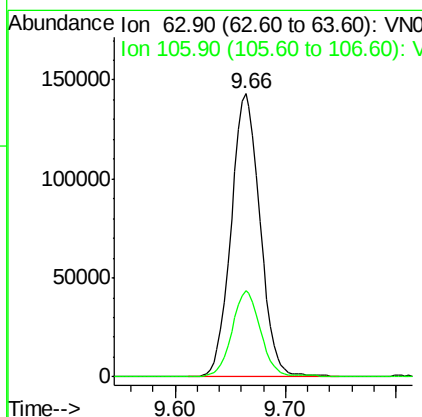
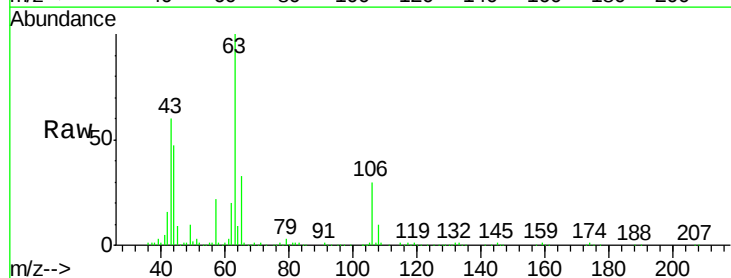
Manual Integrations
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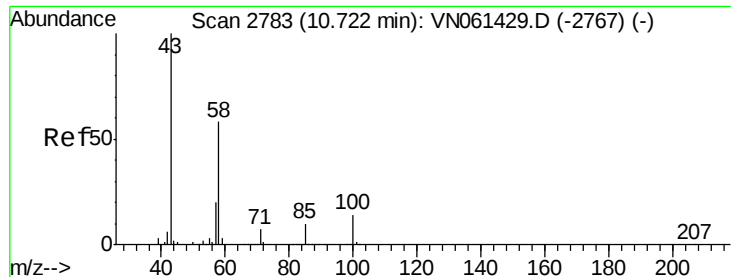
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#58
 2-Chloroethyl Vinyl ether
 Concen: 87.088 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.7	34.1





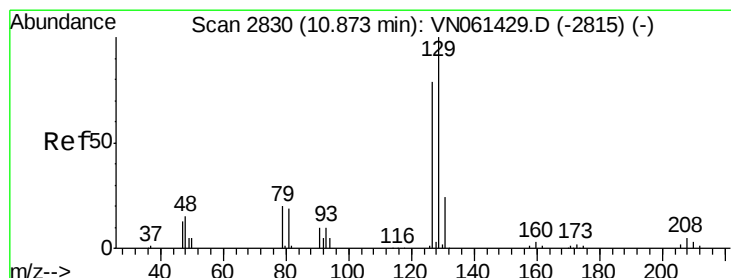
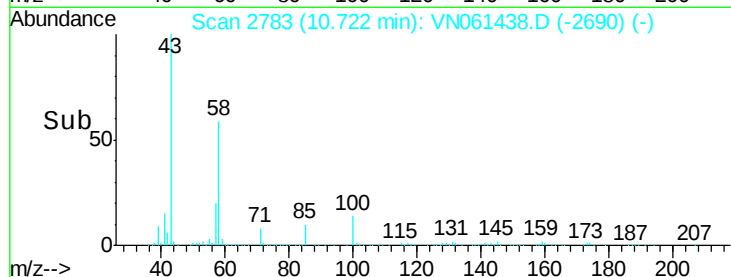
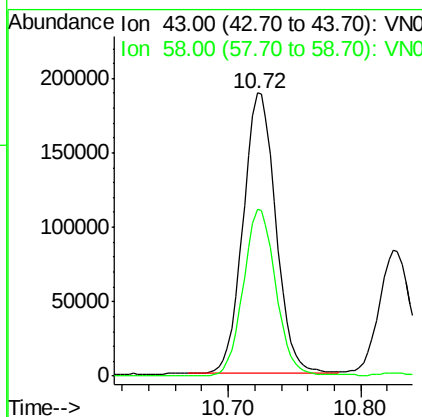
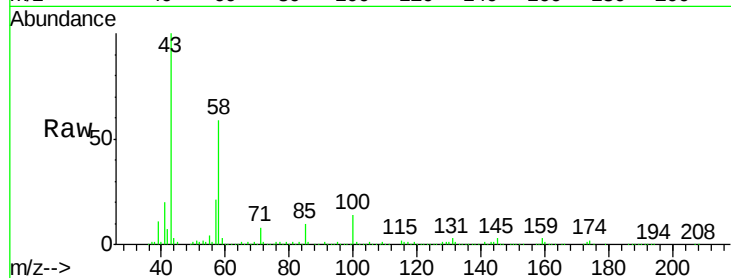
#59
2-Hexanone
Concen: 87.852 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	29.2	87.6

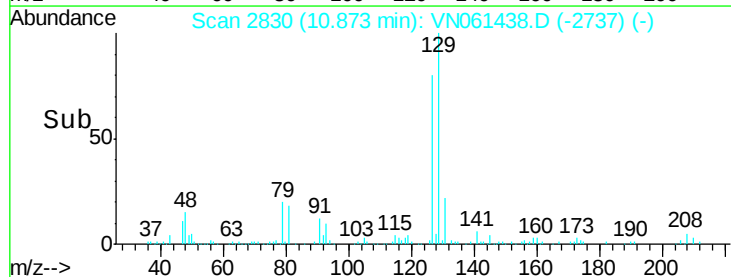
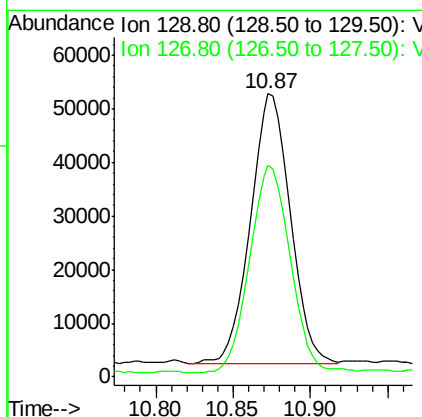
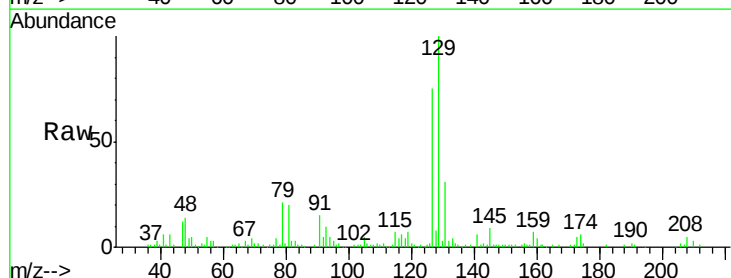
Manual Integrations
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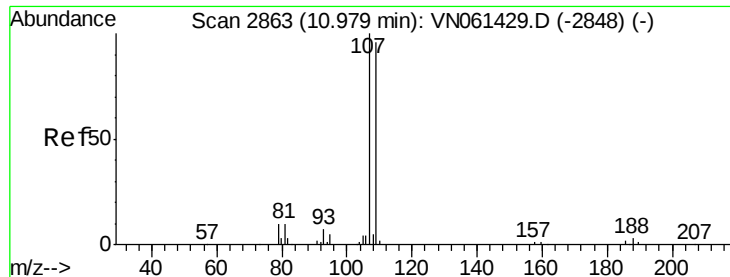
MMDadoda
5/19/2020 4:25:09 PM



#60
Dibromochloromethane
Concen: 18.831 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.3





#61

1,2-Dibromoethane

Concen: 19.053 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion:107 Resp: 86774

Ion Ratio Lower Upper

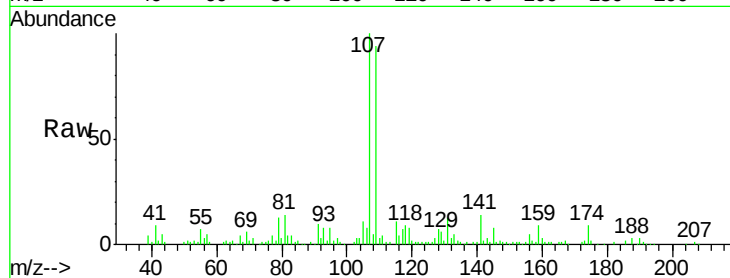
107 100

109 94.3 75.7 113.5

Manual Integrations
APPROVED

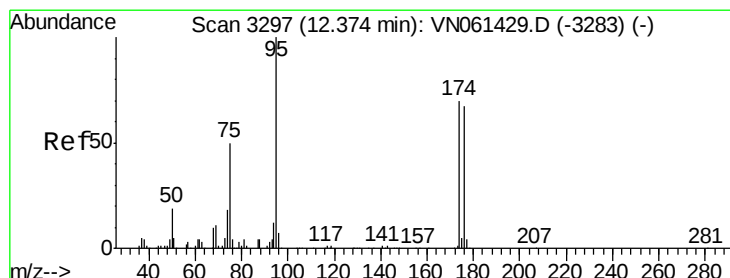
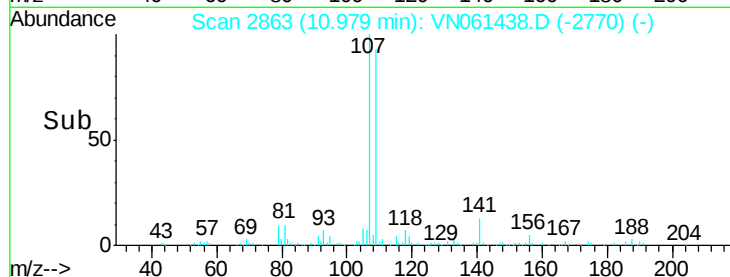
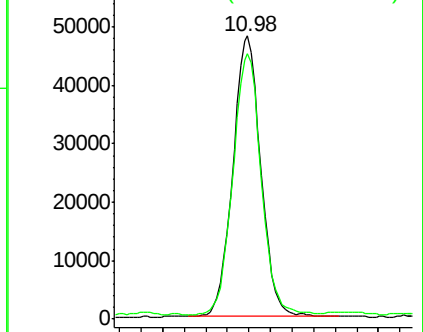
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.216 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

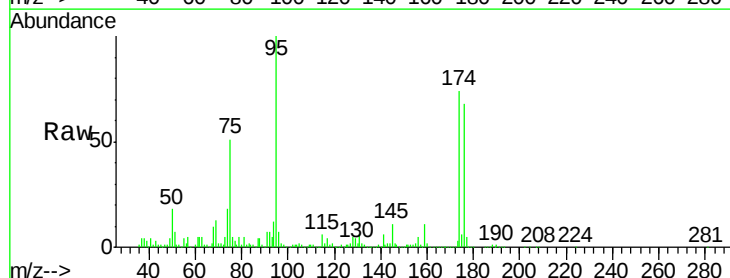
Tgt Ion: 95 Resp: 282954

Ion Ratio Lower Upper

95 100

174 74.3 0.0 141.2

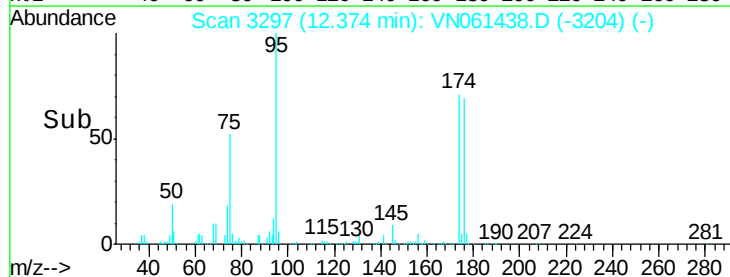
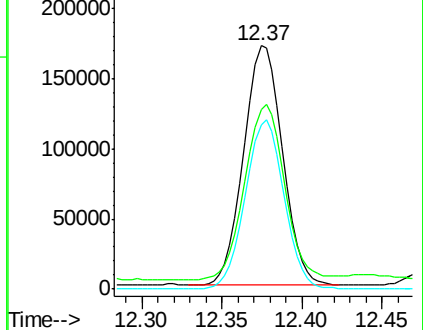
176 70.5 0.0 137.6

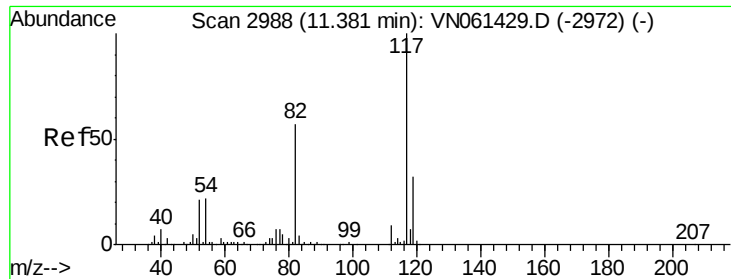


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





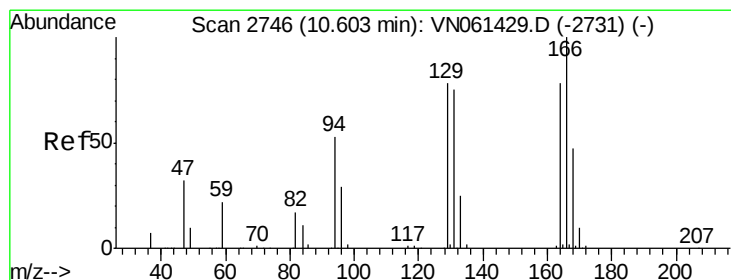
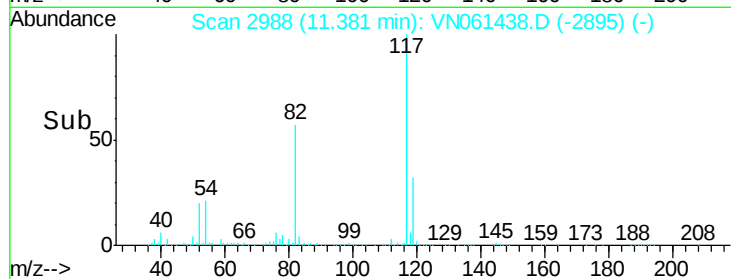
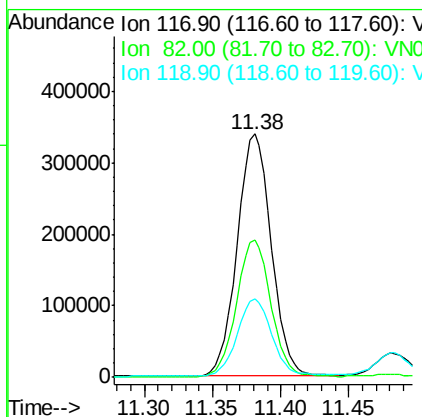
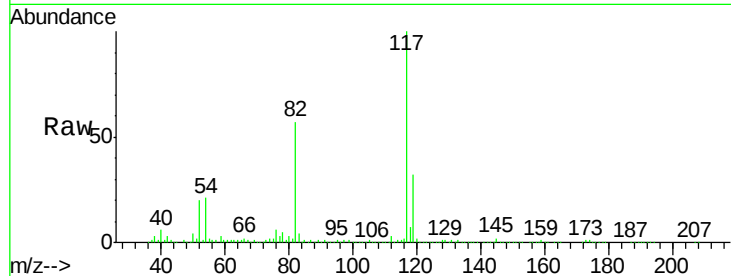
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	585925		
82	56.6		45.2	67.8
119	31.9		25.3	37.9

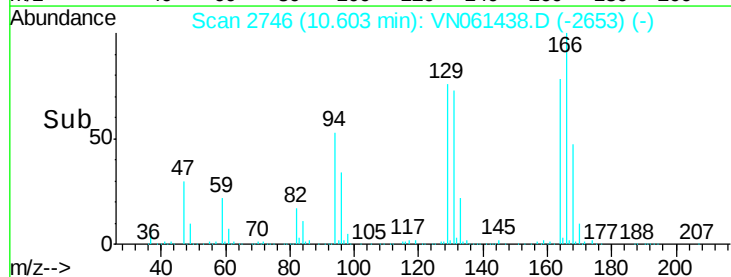
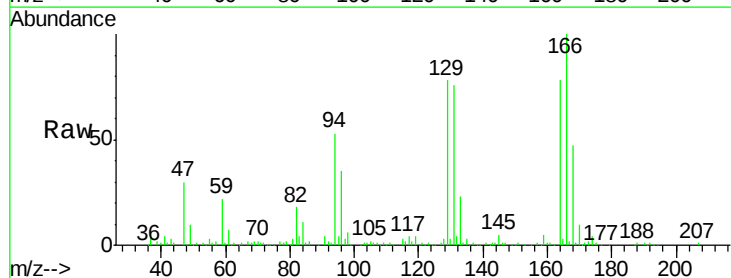
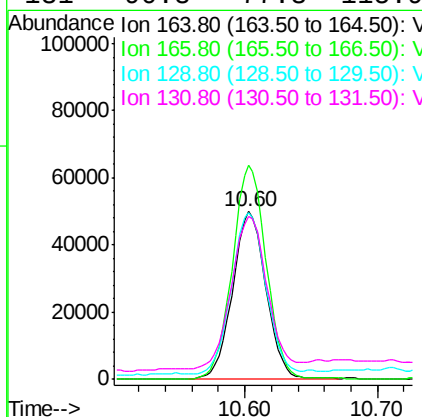
Manual Integrations
APPROVED

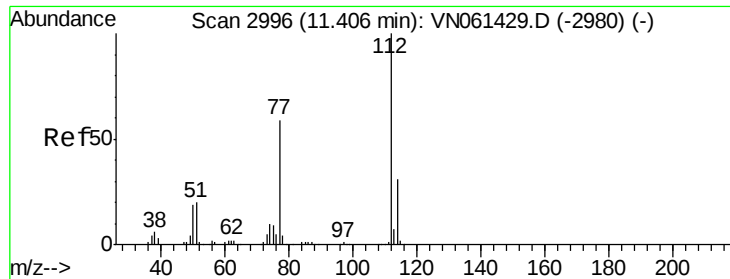
MMDadoda
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#64
Tetrachloroethene
Concen: 19.273 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87365		
166	127.6		103.2	154.8
129	96.5		81.0	121.4
131	90.8		77.3	115.9





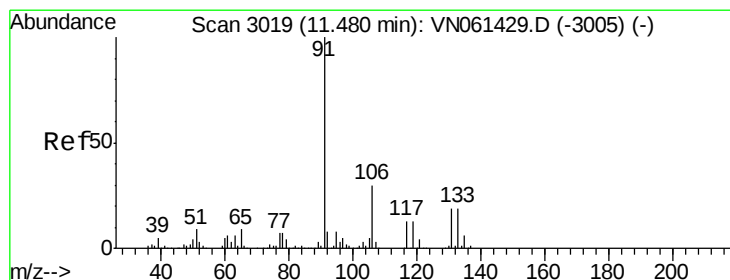
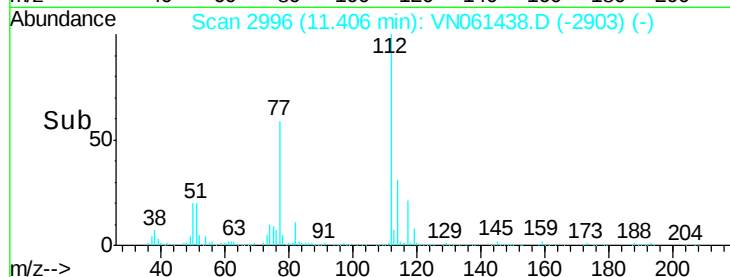
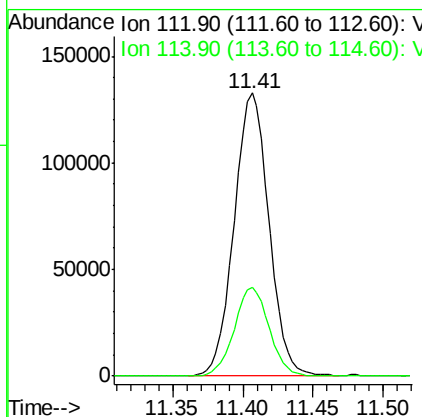
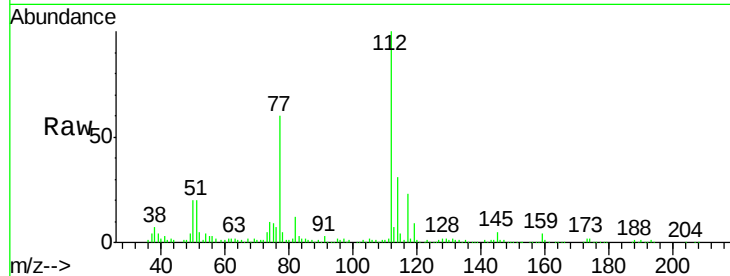
#65
Chlorobenzene
Concen: 19.141 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion:112 Resp: 228707
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

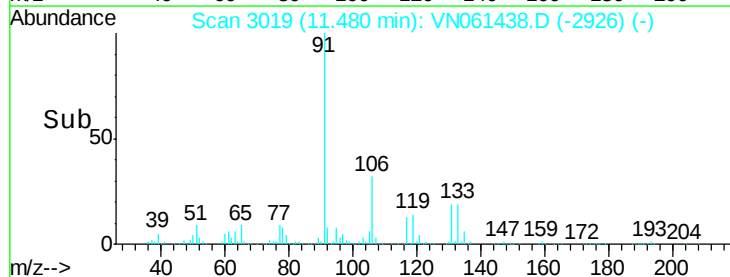
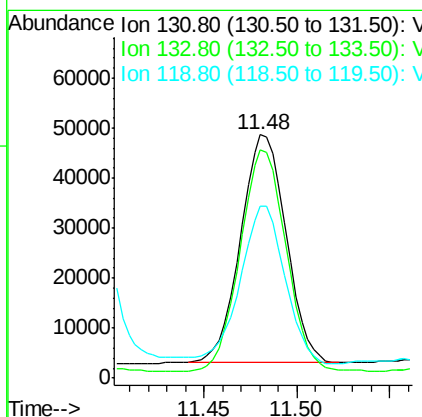
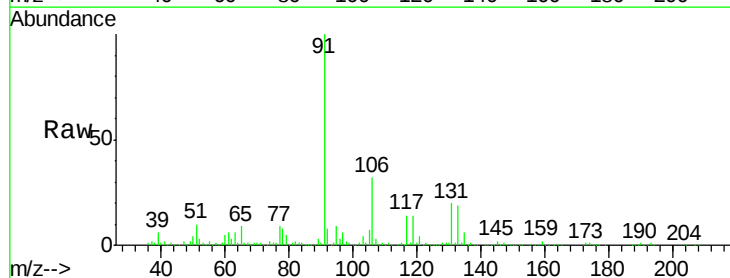
Manual Integrations
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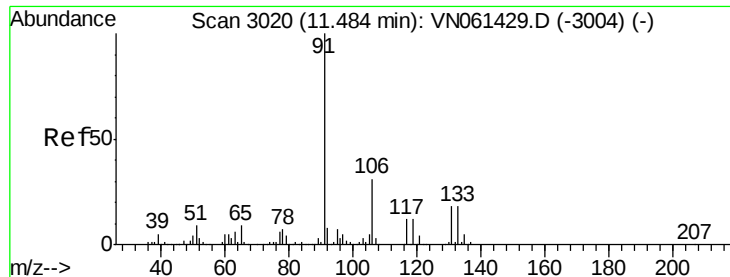
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.112 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion:131 Resp: 77584
Ion Ratio Lower Upper
131 100
133 98.4 48.7 146.1
119 70.1 33.8 101.3





#67

Ethyl Benzene

Concen: 19.343 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 91 Resp: 421879

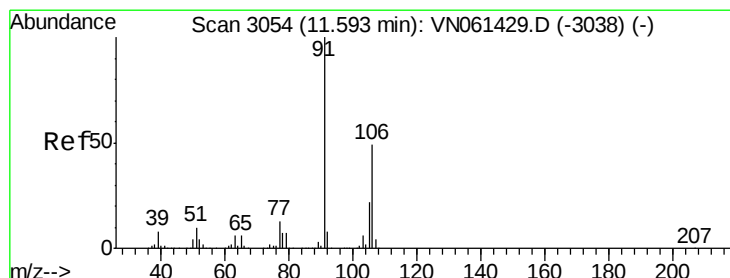
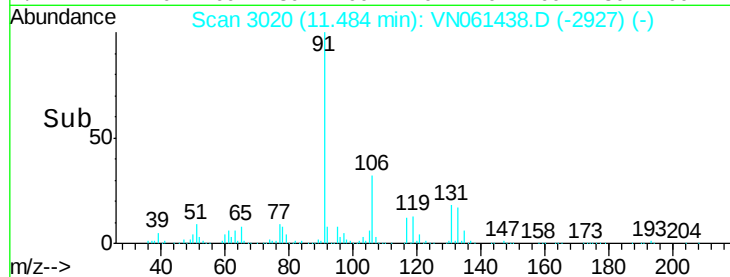
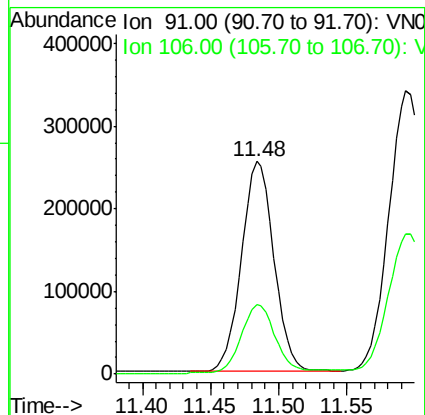
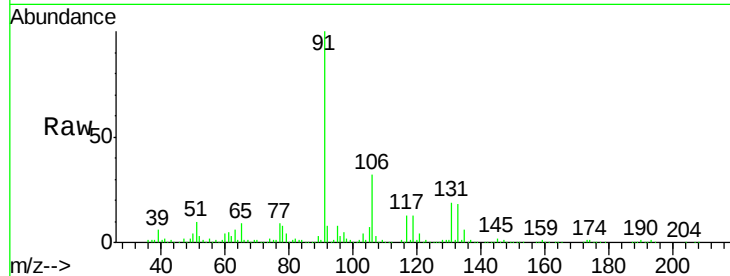
Ion Ratio Lower Upper

91 100

106 32.2 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.152 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN061438.D

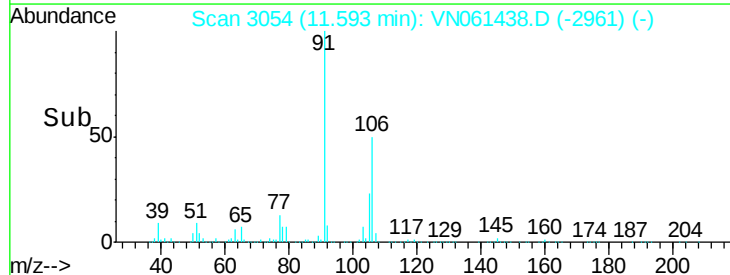
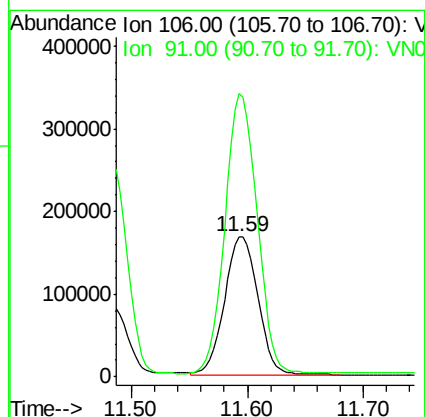
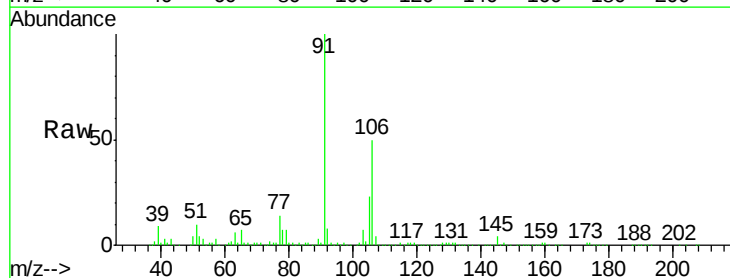
Acq: 18 May 2020 16:40

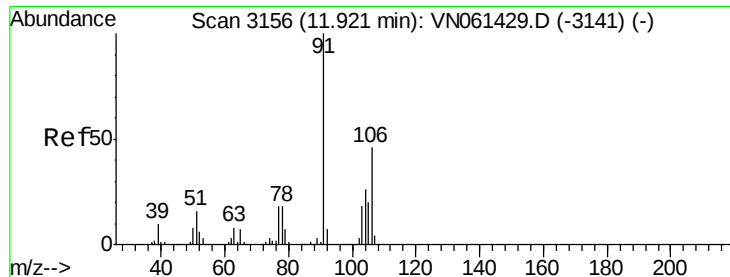
Tgt Ion: 106 Resp: 332407

Ion Ratio Lower Upper

106 100

91 196.4 163.0 244.6





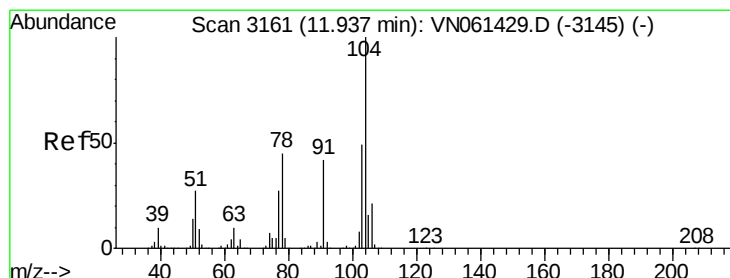
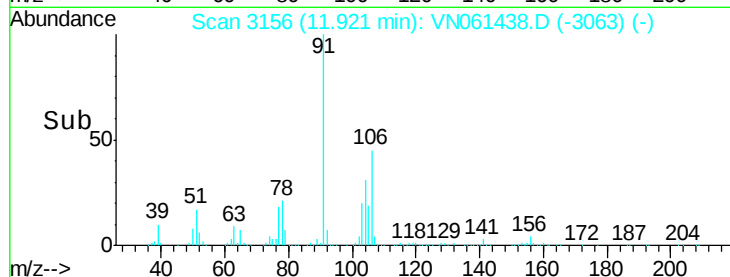
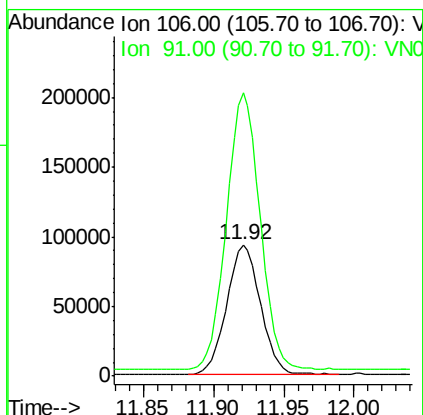
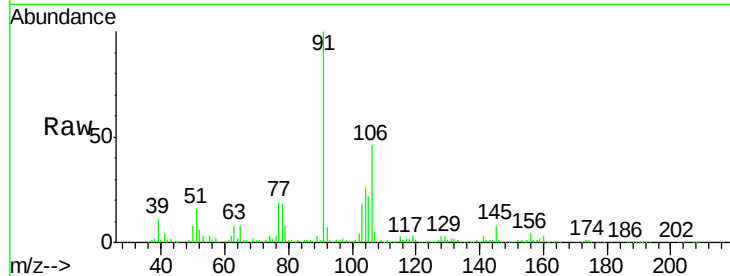
#69
o-Xylene
Concen: 19.389 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	155333		
91	91	211.9	107.9	323.7	

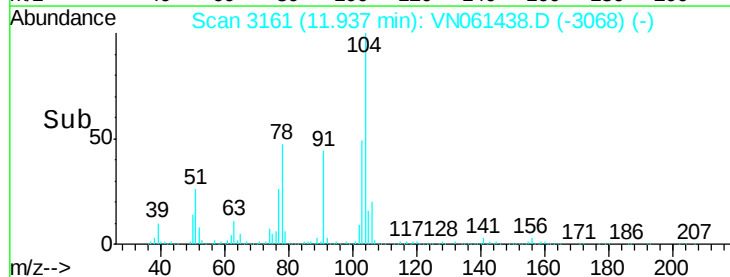
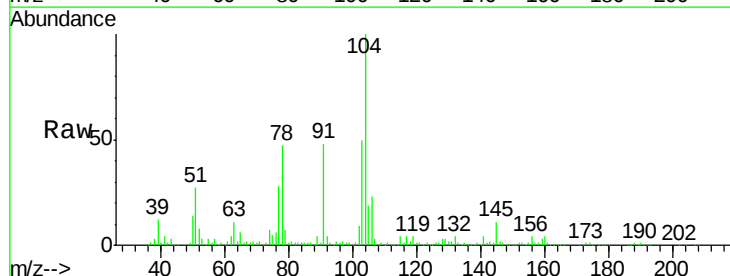
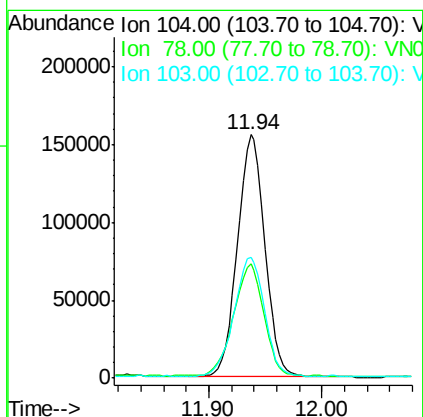
Manual Integrations
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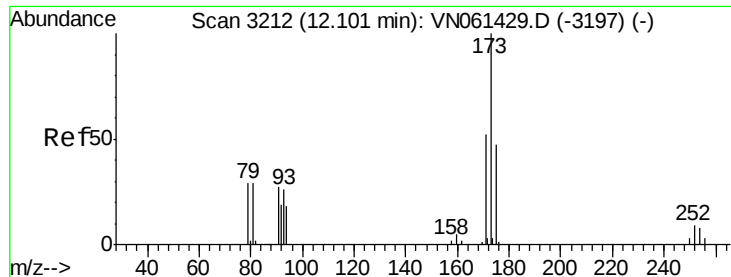
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#70
Styrene
Concen: 19.852 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	263369		
78	78	50.7	40.7	61.1	
103	103	54.6	43.0	64.4	





#71

Bromoform

Concen: 19.015 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

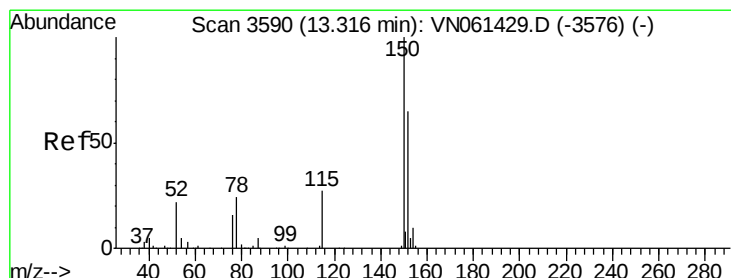
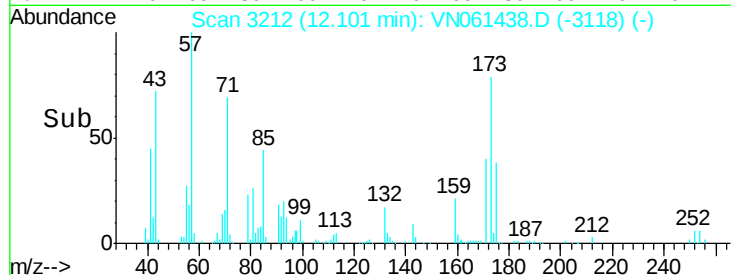
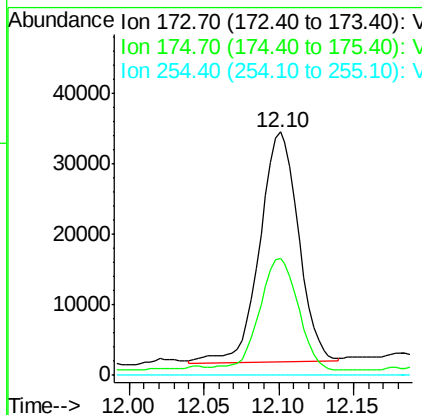
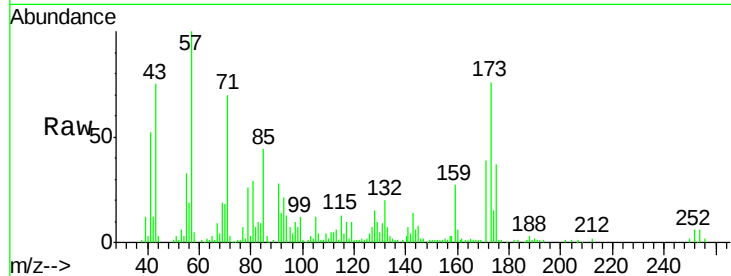
ClientSampleId :

VN0518MBSD01

Tot Ion:	173	Resp:	58993
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.9	71.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

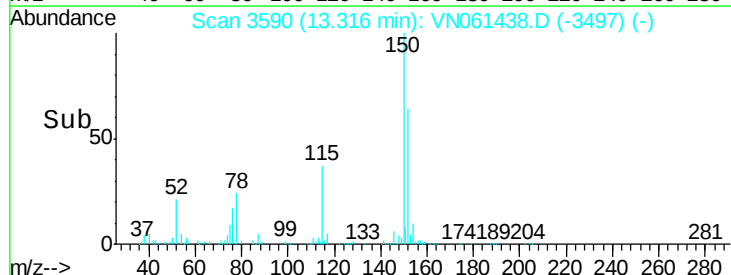
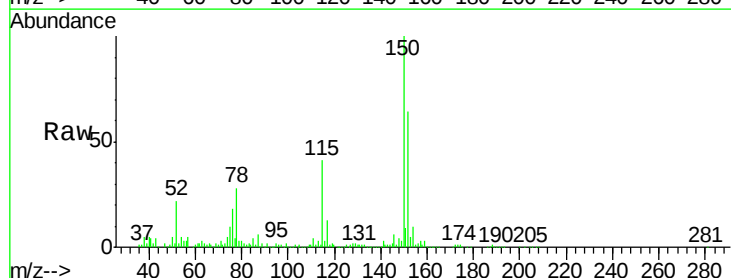
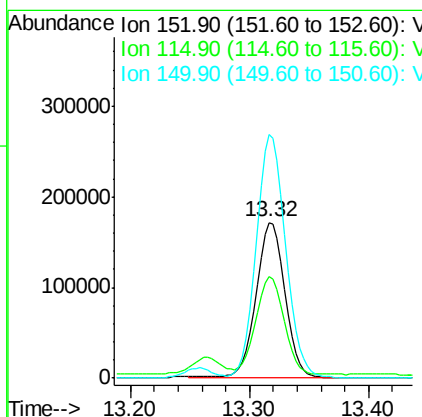
RT: 13.32 min Scan# 3590

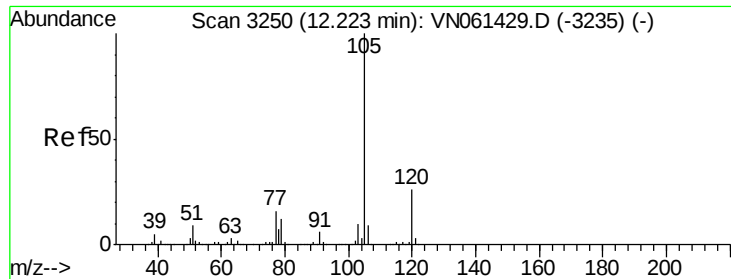
Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	152	Resp:	286298
Ion Ratio	Lower	Upper	
152	100		
115	62.0	30.9	92.5
150	160.1	0.0	349.2





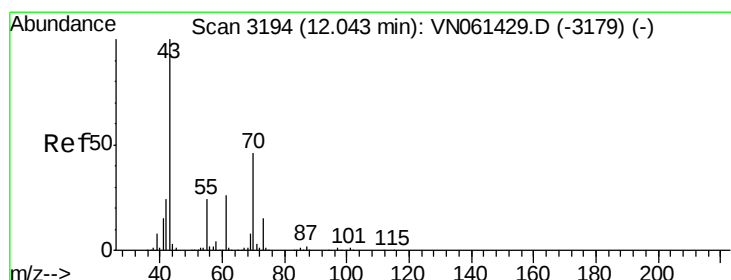
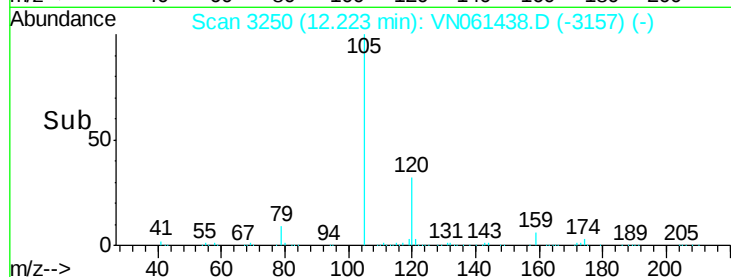
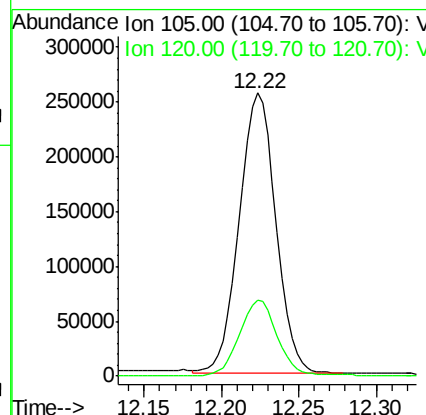
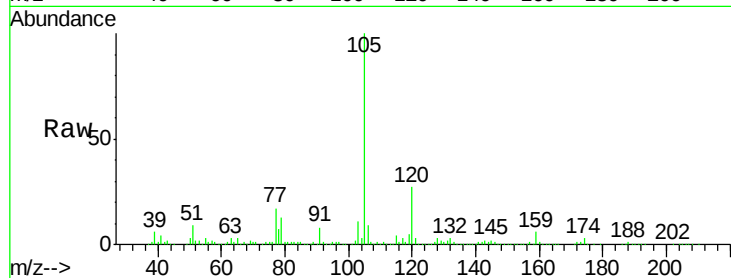
#73
Isopropylbenzene
Concen: 18.216 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.0	39.0

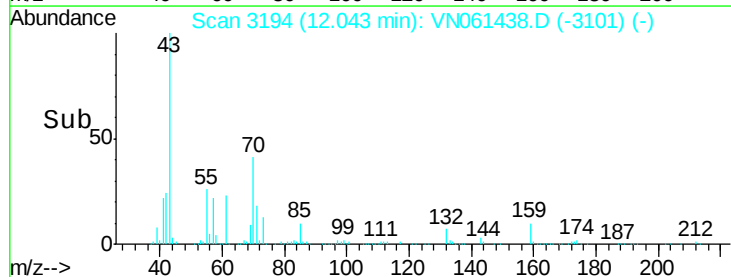
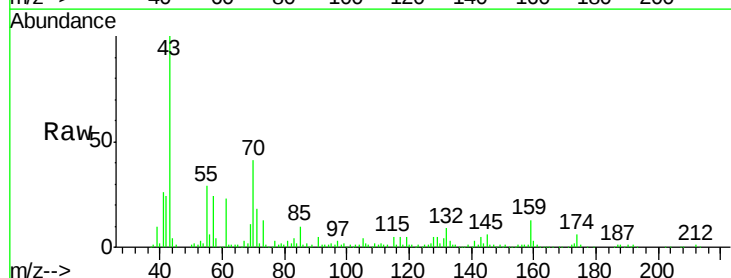
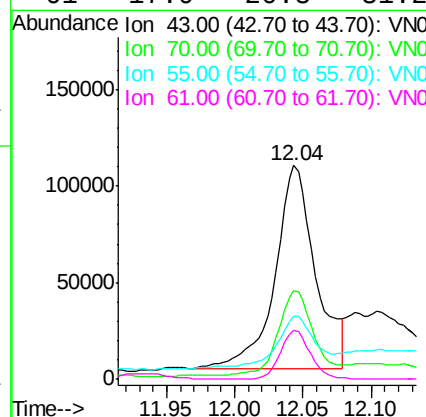
Manual Integrations
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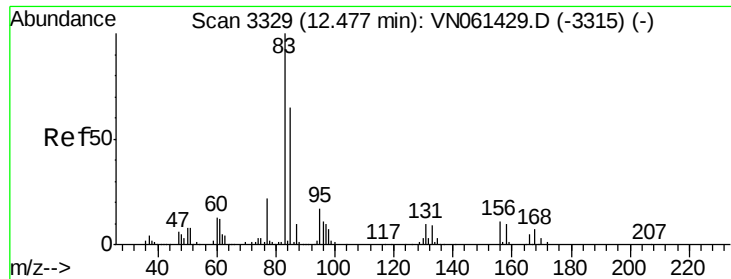
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#74
N-ethyl acetate
Concen: 25.688 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.9	37.0	55.4#
55	23.9	19.5	29.3
61	17.9	20.8	31.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 18.593 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 83 Resp: 117572

Ion Ratio Lower Upper

83 100

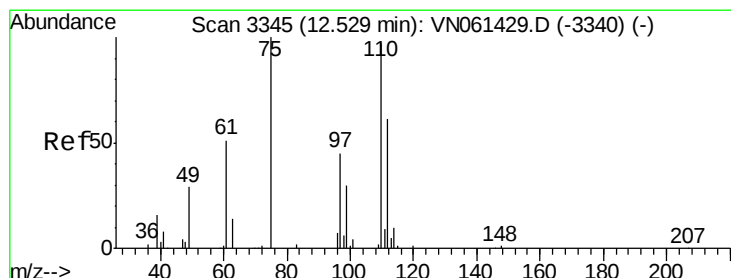
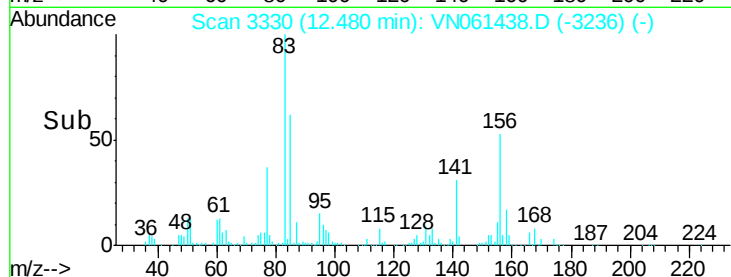
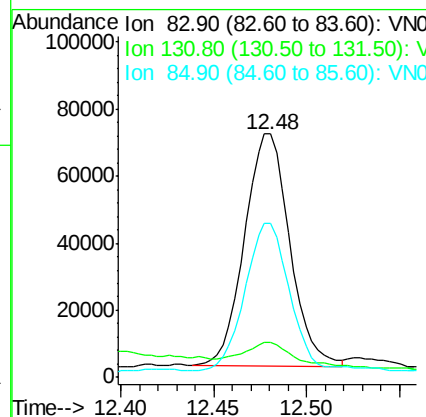
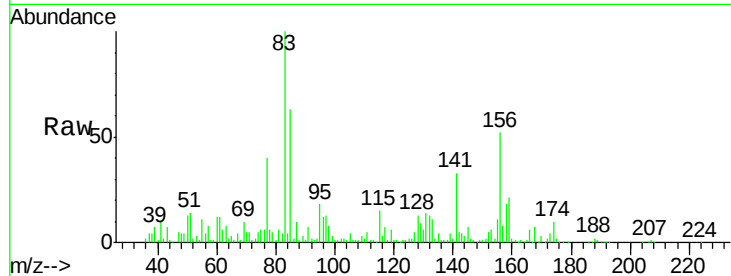
131 15.2 4.8 14.4#

85 61.9 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.266 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061438.D

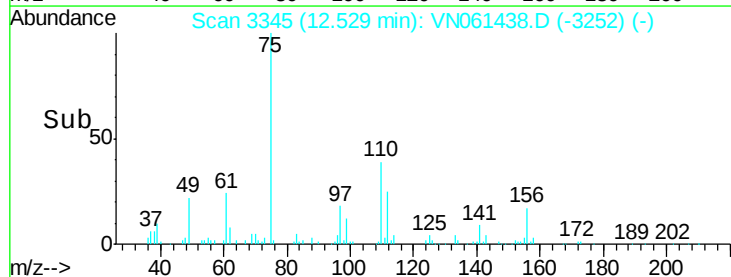
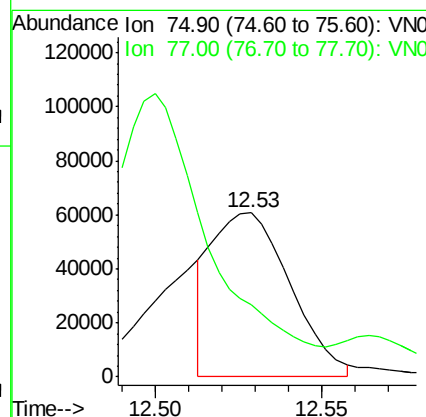
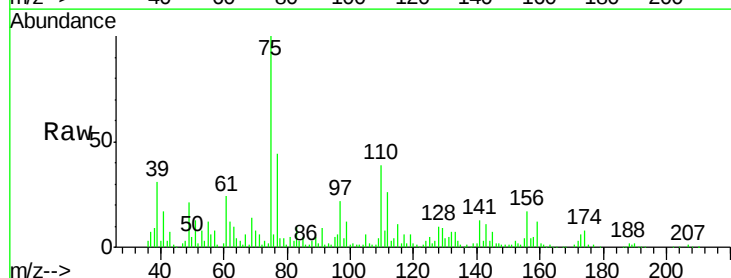
Acq: 18 May 2020 16:40

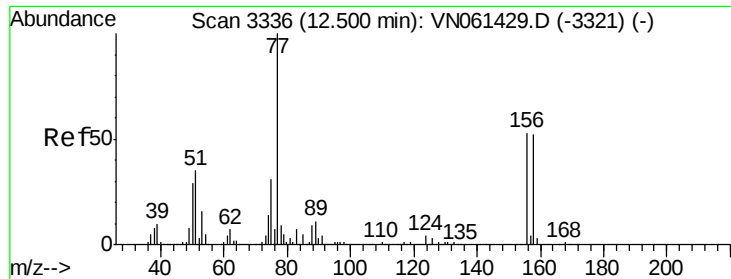
Tgt Ion: 75 Resp: 99928

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 56.155 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

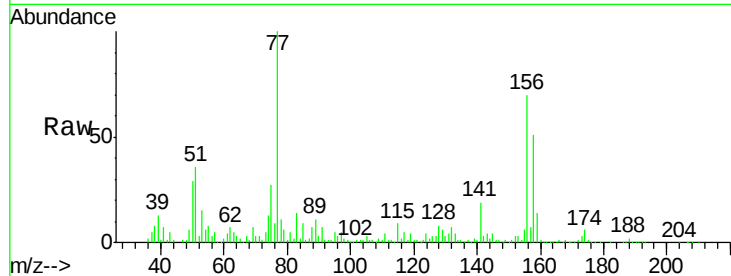
ClientSampleId :

VN0518MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		280104		
77	70.9	112.3	336.9#		
158	32.8	47.9	143.6#		

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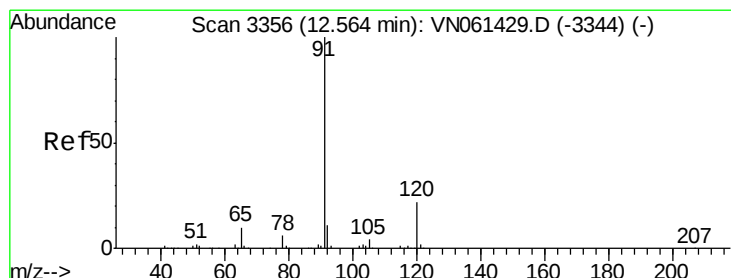
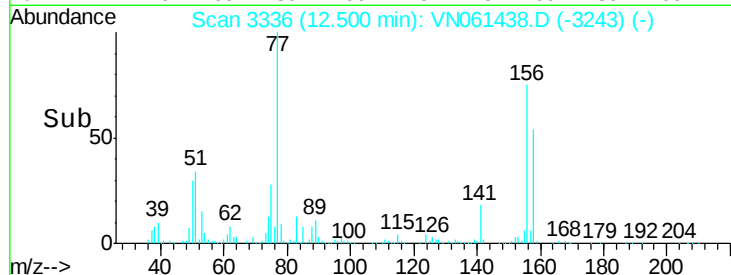
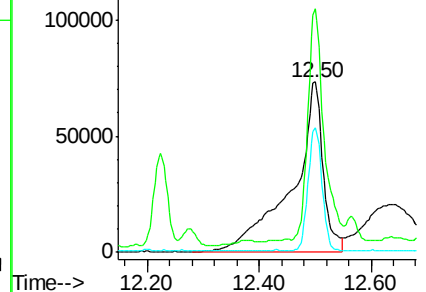
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.222 ug/l

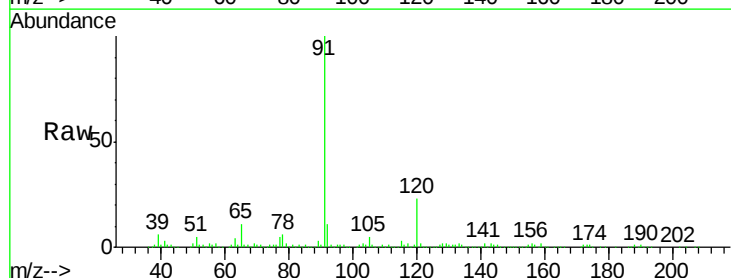
RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061438.D

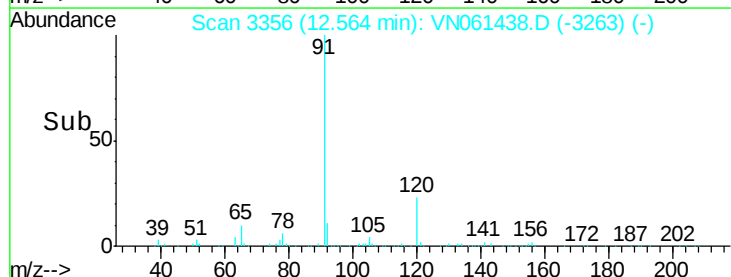
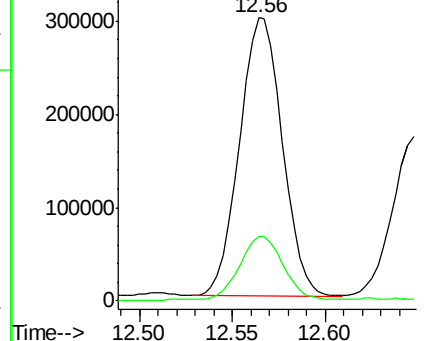
Acq: 18 May 2020 16:40

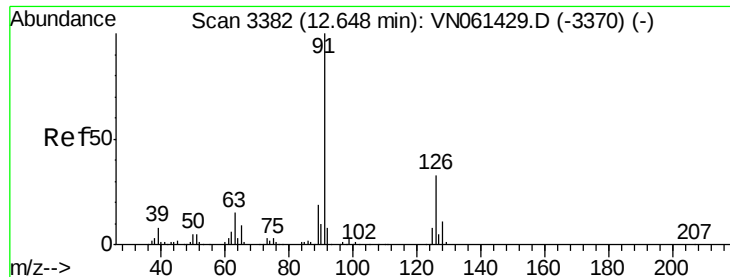
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		477205		
120	23.1	11.2	33.6		



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.573 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 91 Resp: 287495

Ion Ratio Lower Upper

91 100

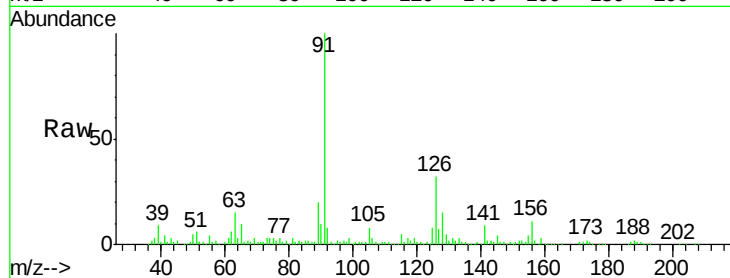
126 32.3 16.3 48.9

Manual Integrations

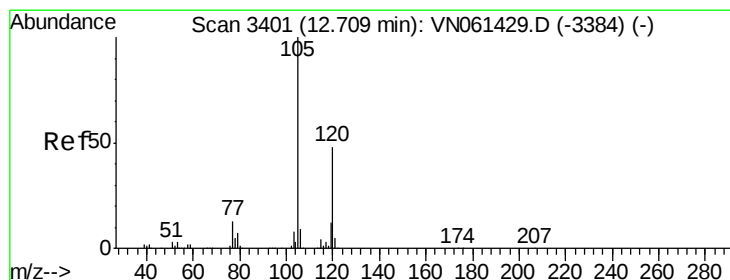
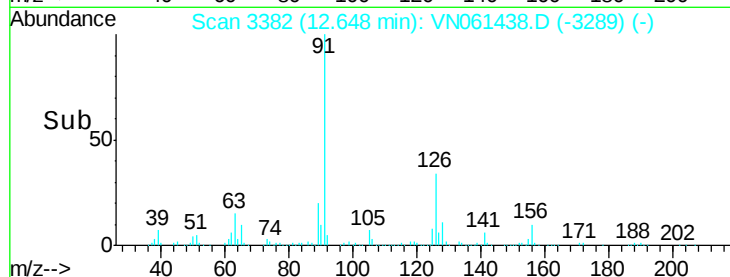
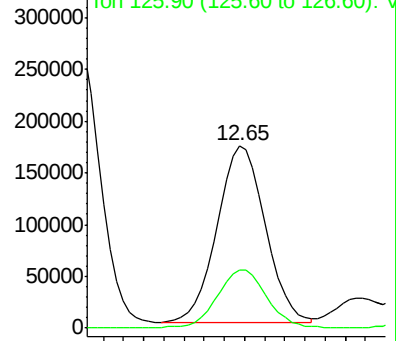
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Abundance Ion 91.00 (90.70 to 91.70): VN061438.D (-3389) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.411 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061438.D

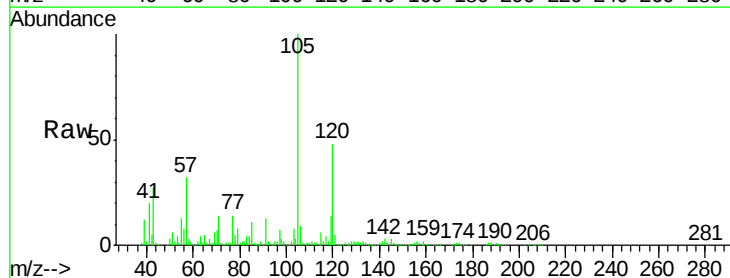
Acq: 18 May 2020 16:40

Tgt Ion: 105 Resp: 365296

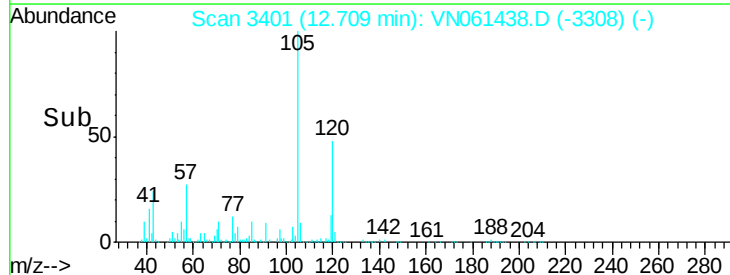
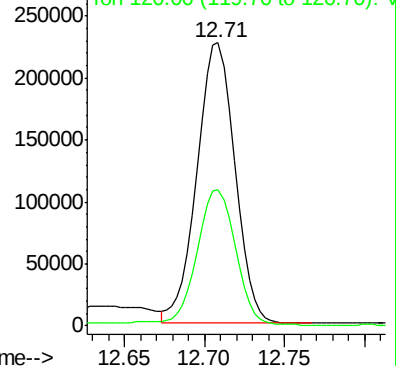
Ion Ratio Lower Upper

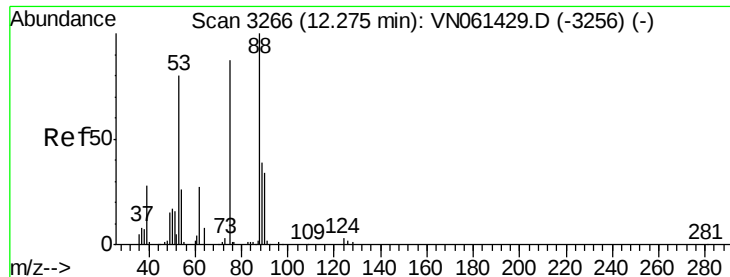
105 100

120 49.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061438.D (-3308) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.717 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion: 75 Resp: 38714

Ion Ratio Lower Upper

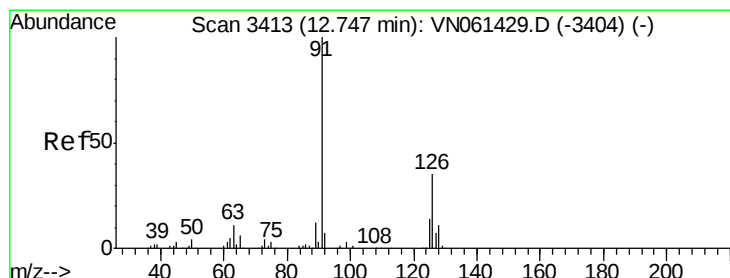
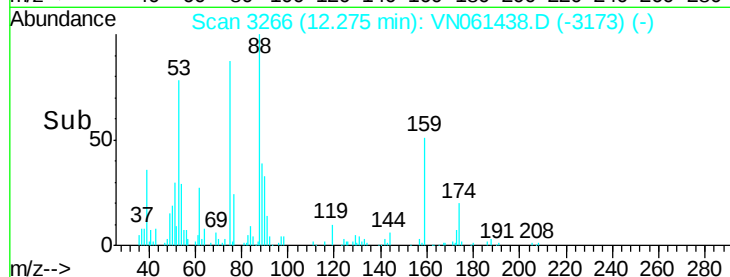
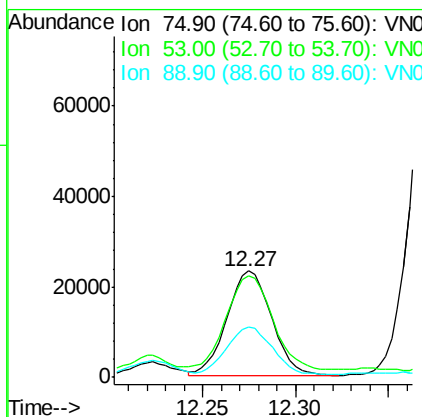
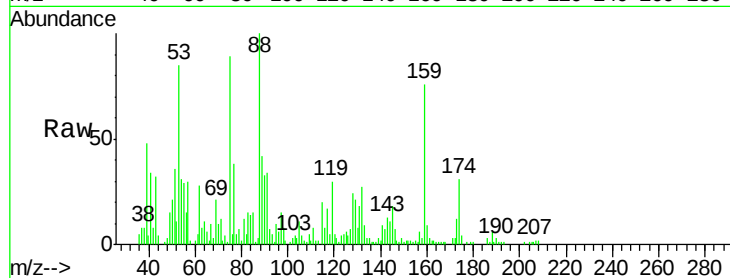
75 100

53 94.4 75.2 112.8

89 45.4 38.2 57.4

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#82

4-Chlorotoluene

Concen: 17.887 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061438.D

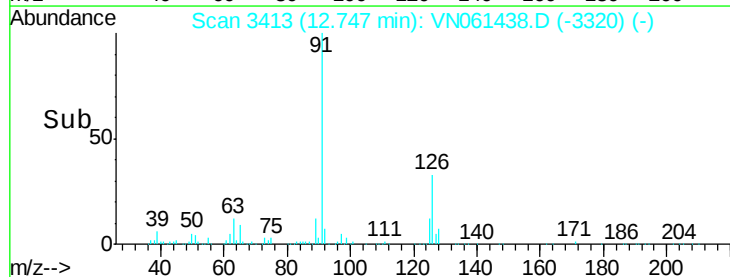
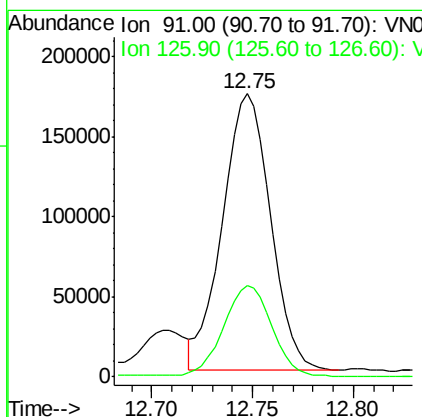
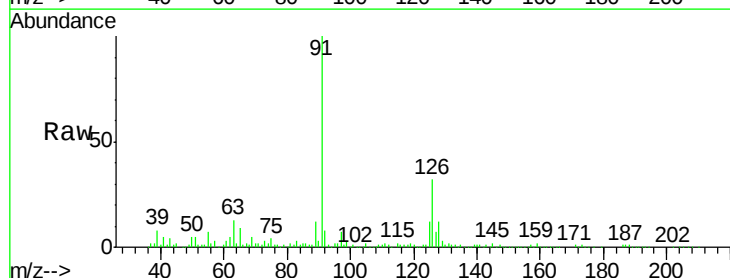
Acq: 18 May 2020 16:40

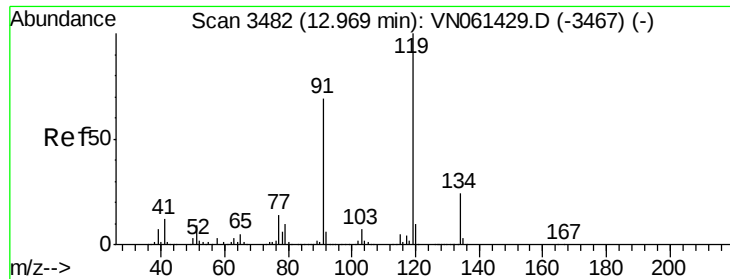
Tgt Ion: 91 Resp: 286691

Ion Ratio Lower Upper

91 100

126 32.7 16.1 48.2





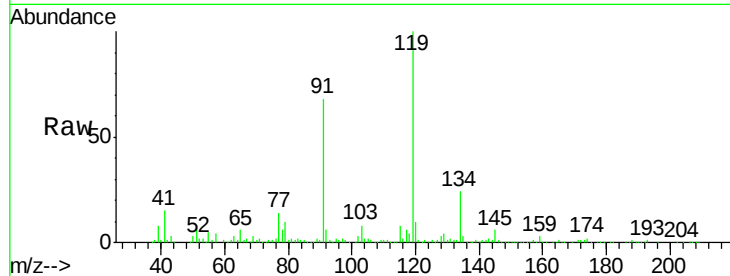
#83
tert-Butylbenzene
Concen: 18.550 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

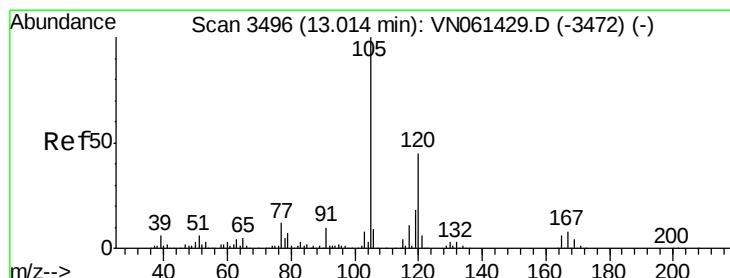
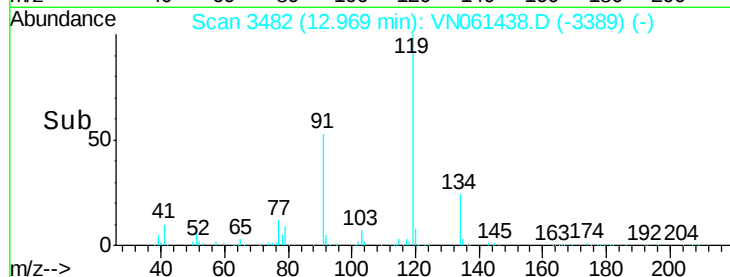
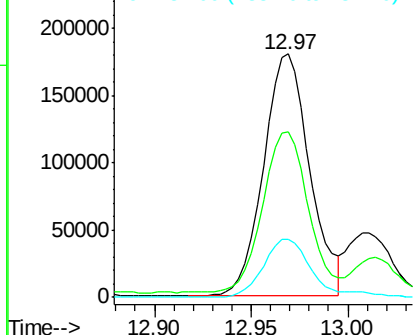
Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.7	101.0
134	25.2	12.8	38.3

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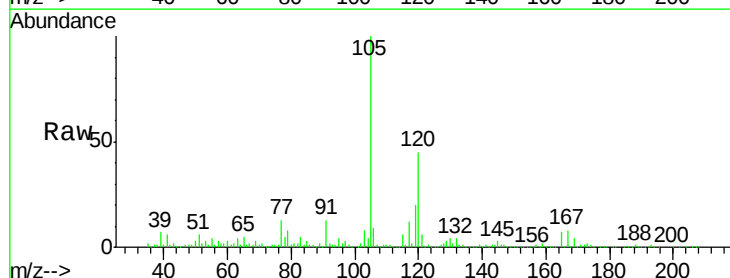


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

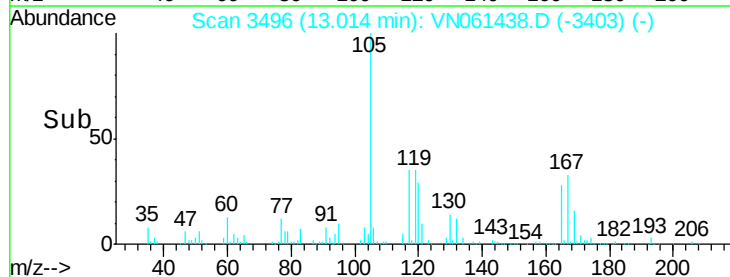
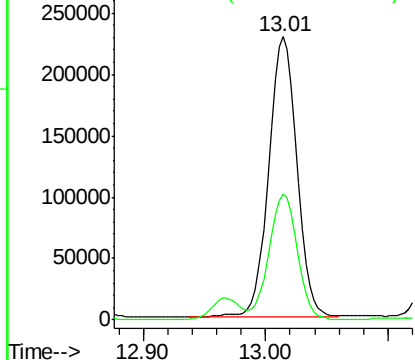


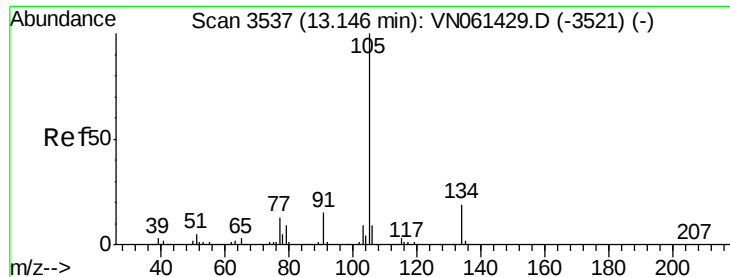
#84
1,2,4-Trimethylbenzene
Concen: 19.662 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.002 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBSD01

Tot Ion:105 Resp: 392399

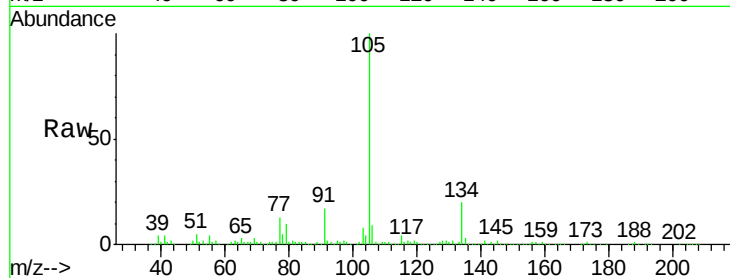
Ion Ratio Lower Upper

105 100

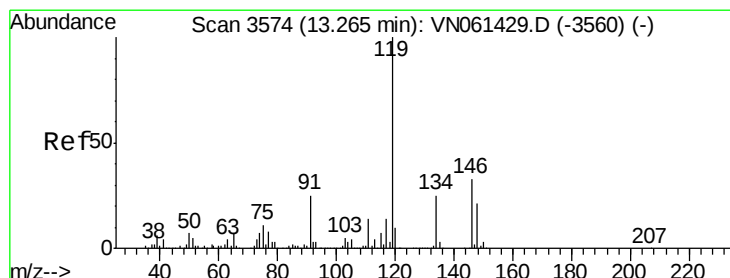
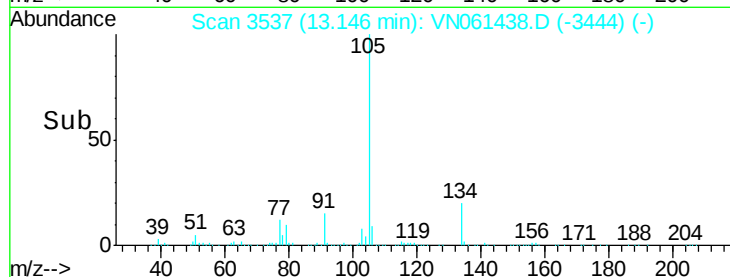
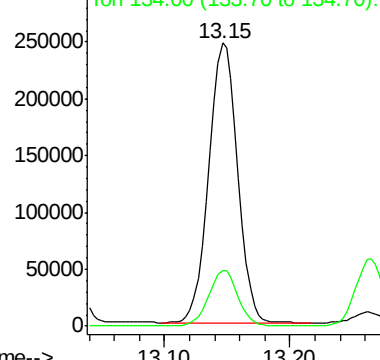
134 19.5 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.925 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

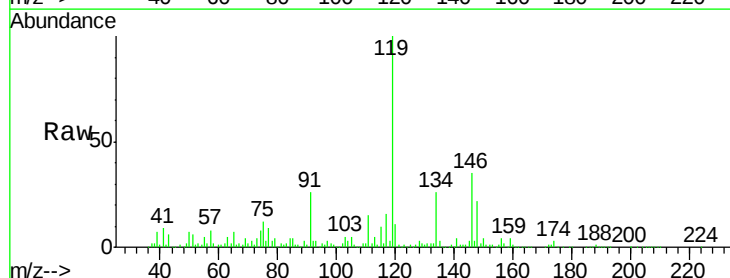
Tgt Ion:119 Resp: 366315

Ion Ratio Lower Upper

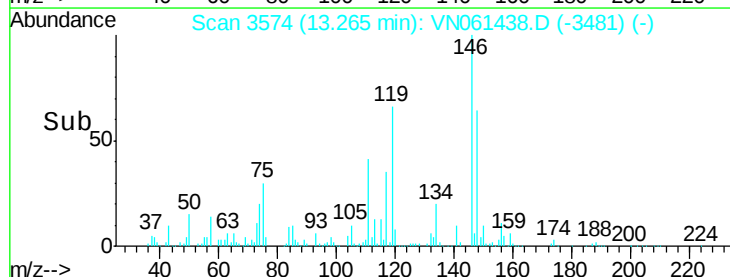
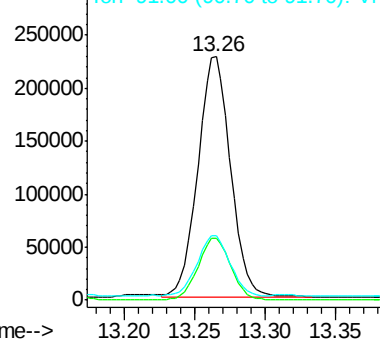
119 100

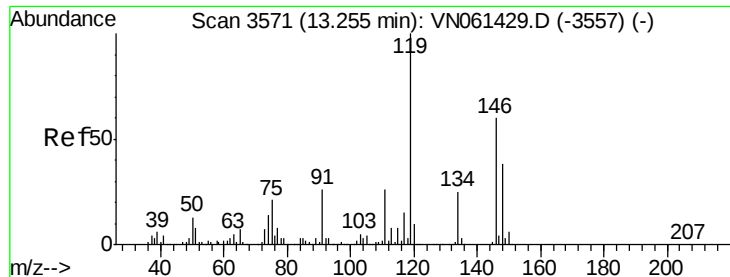
134 25.5 12.7 38.1

91 24.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





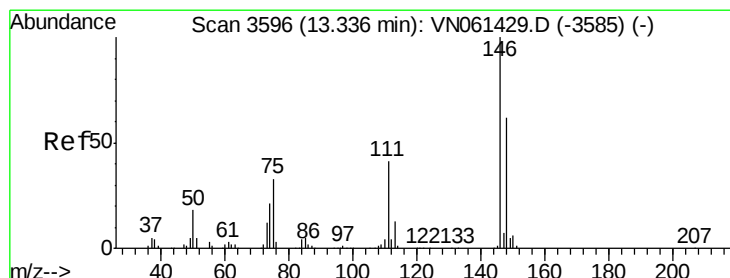
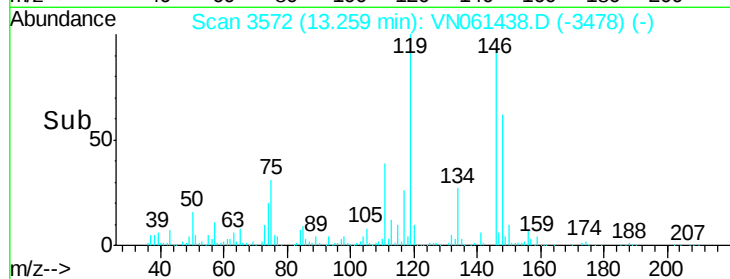
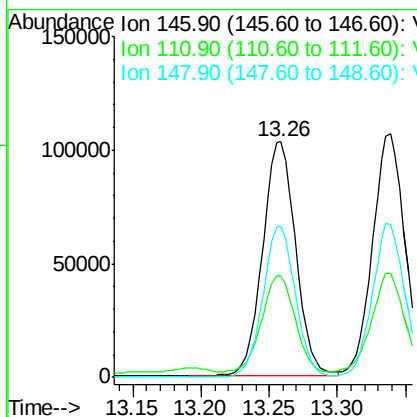
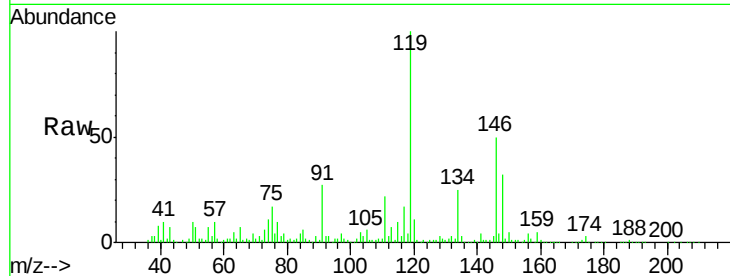
#87
 1,3-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.5	64.5
148	63.1	31.8	95.3

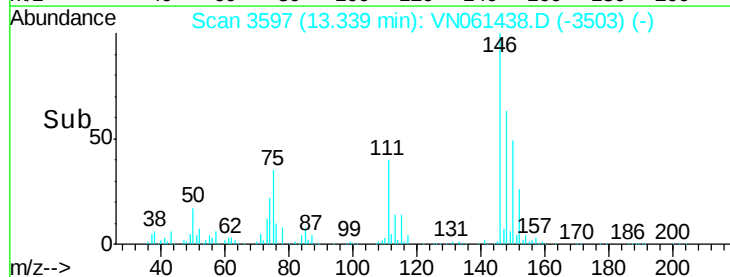
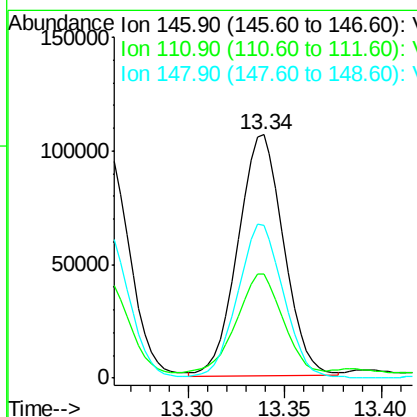
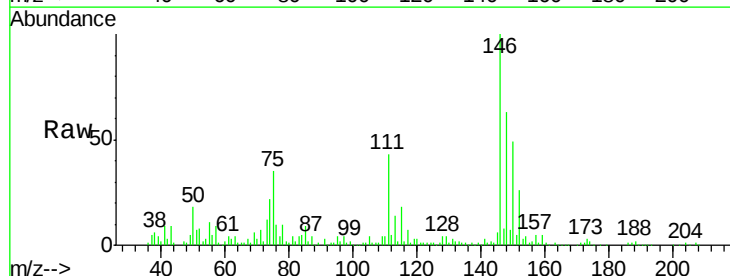
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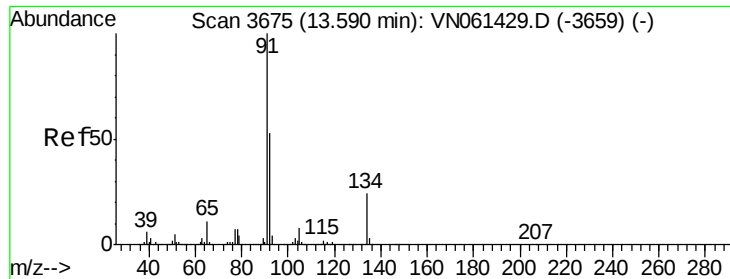
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#88
 1,4-Dichlorobenzene
 Concen: 19.138 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.6	31.6	94.8





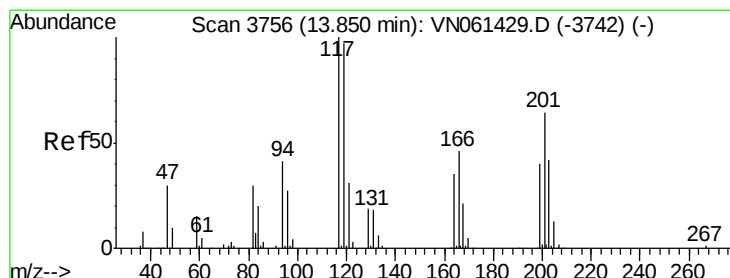
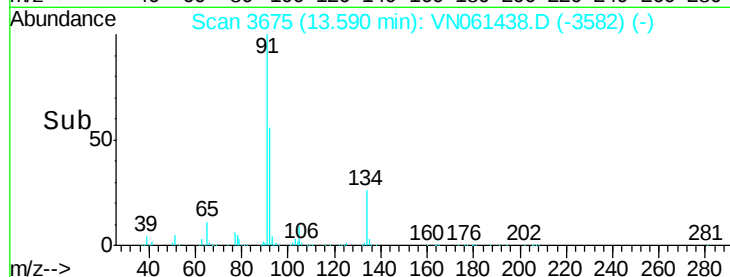
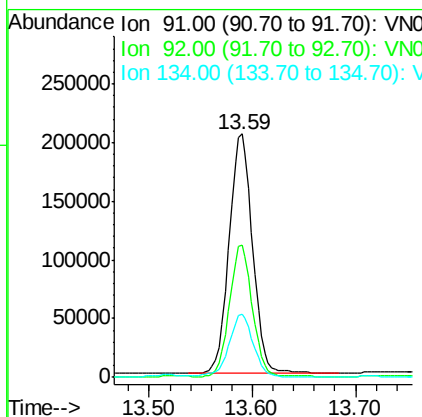
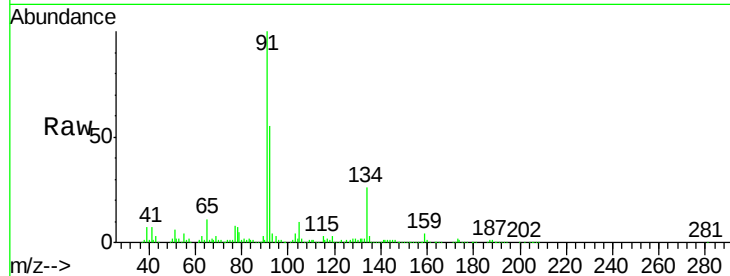
#89
n-Butylbenzene
Concen: 18.501 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.3
134	26.3	12.4	37.4

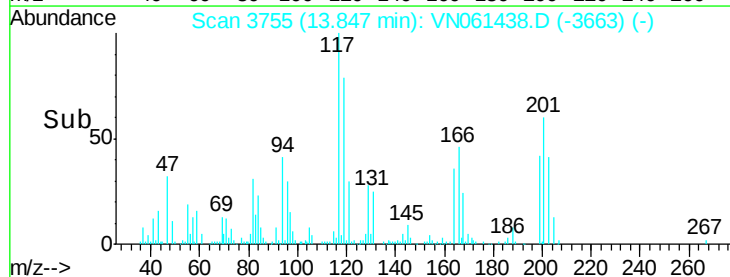
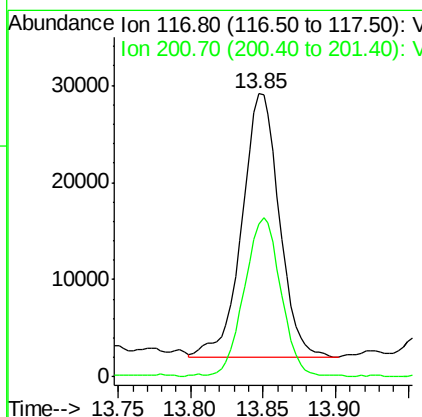
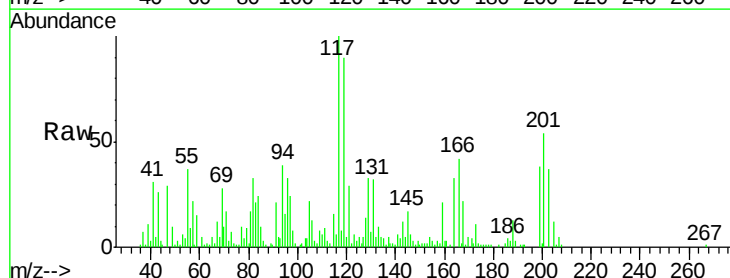
Manual Integrations
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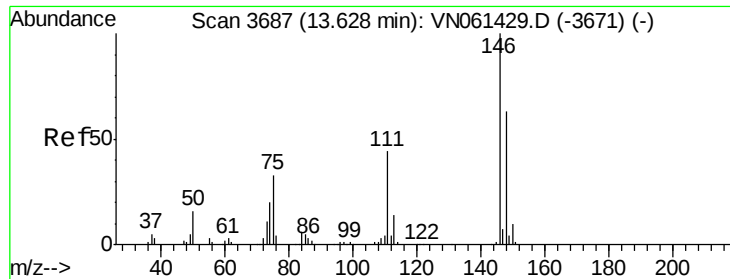
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#90
Hexachloroethane
Concen: 18.613 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061438.D
Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	59.5	32.9	98.7





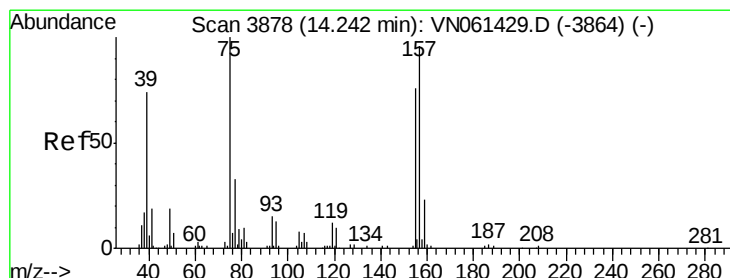
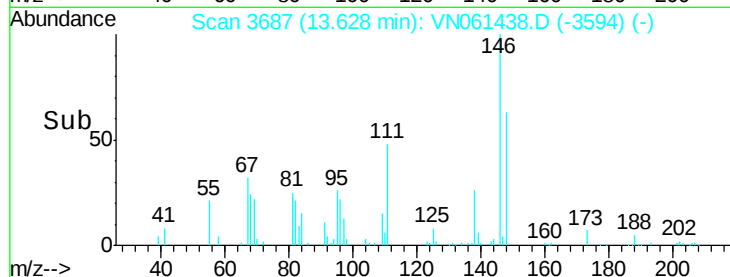
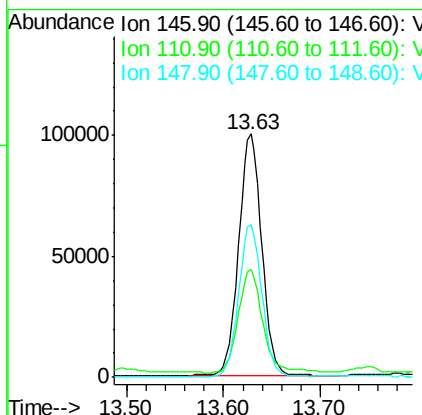
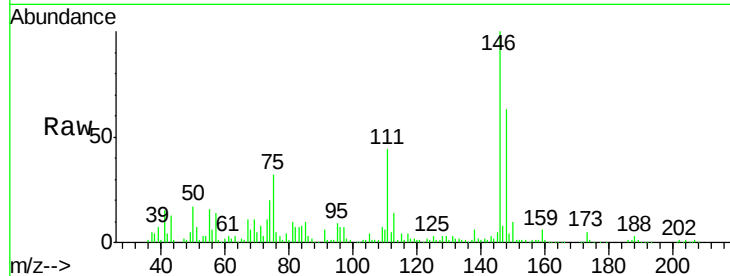
#91
 1,2-Dichlorobenzene
 Concen: 18.952 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165960		
111	45.2	21.9	65.7	
148	62.7	31.6	94.7	

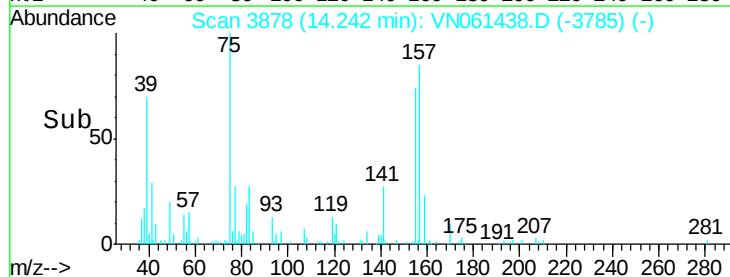
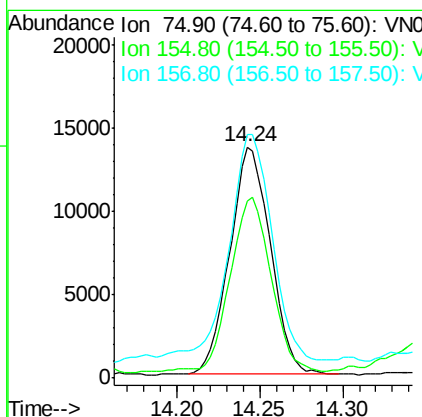
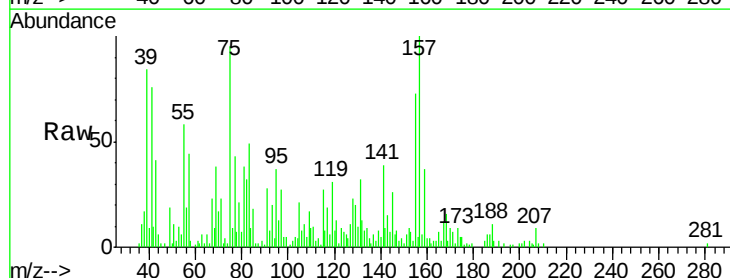
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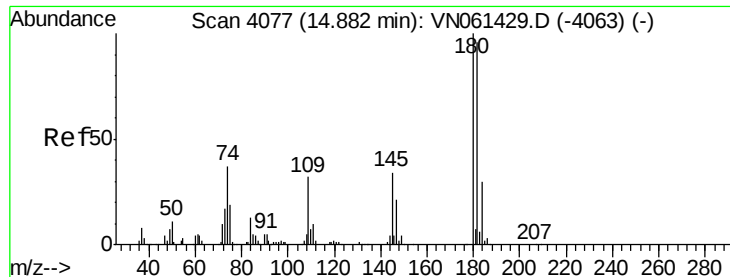
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.246 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23307		
155	75.3	38.9	116.7	
157	107.2	48.6	145.8	





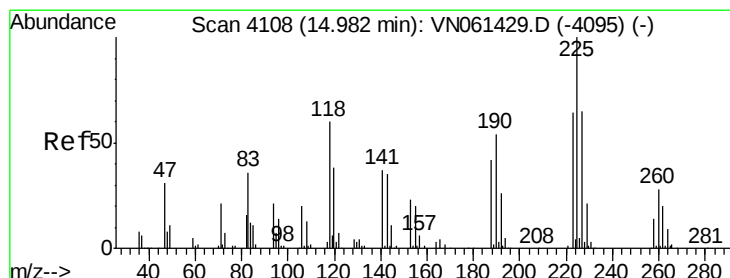
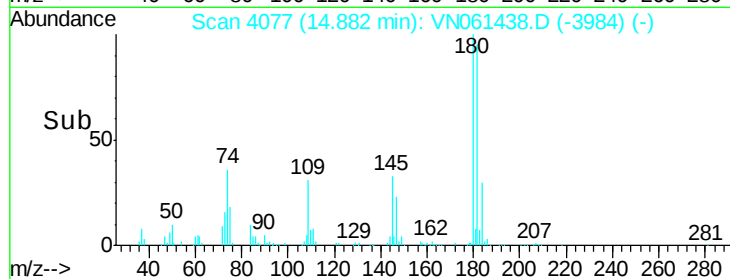
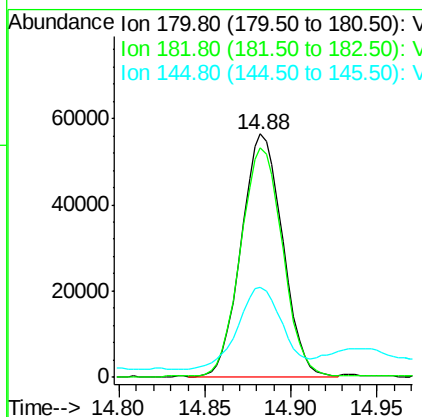
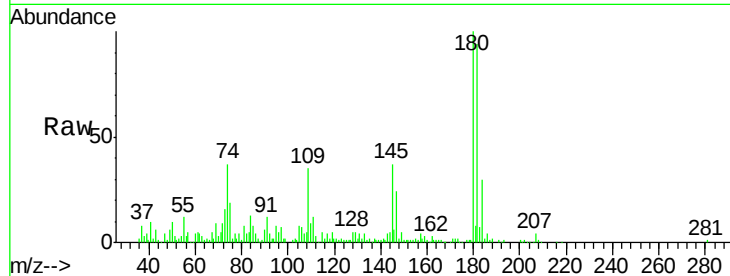
#93
 1,2,4-Trichlorobenzene
 Concen: 19.696 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	93519		
182	95.7	47.0	141.0	
145	36.5	16.7	50.0	

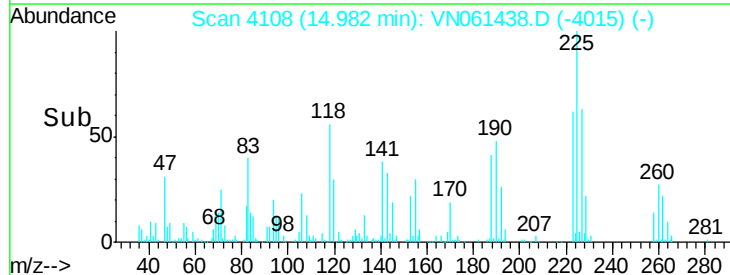
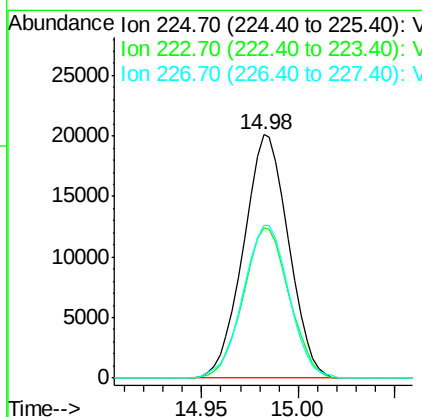
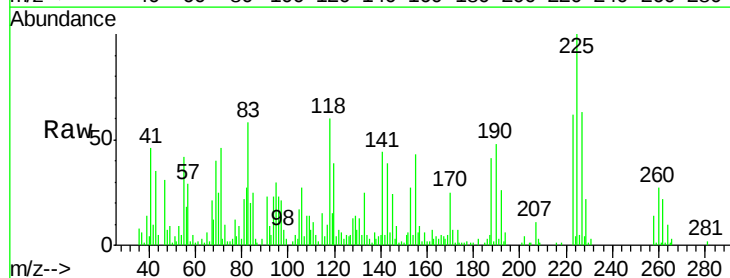
Manual Integrations
 APPROVED

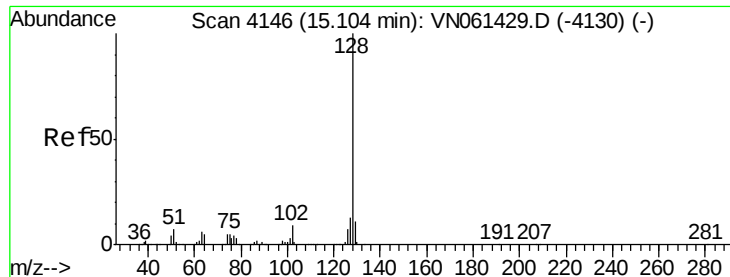
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#94
 Hexachlorobutadiene
 Concen: 15.475 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061438.D
 Acq: 18 May 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32647		
223	62.7	31.9	95.7	
227	63.8	31.5	94.5	





#95

Naphthalene

Concen: 21.588 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Instrument :

MSVOA_N

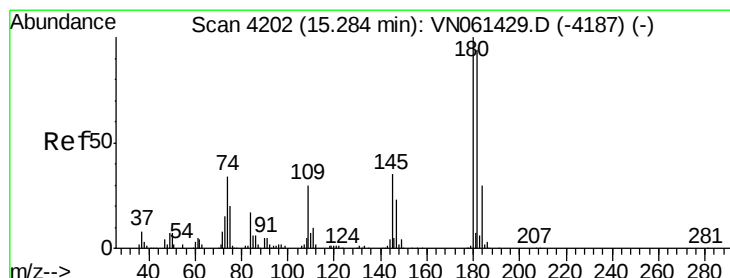
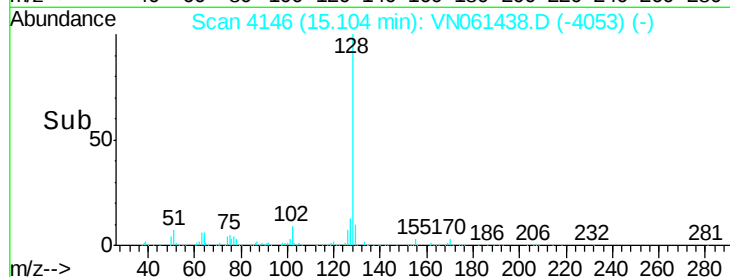
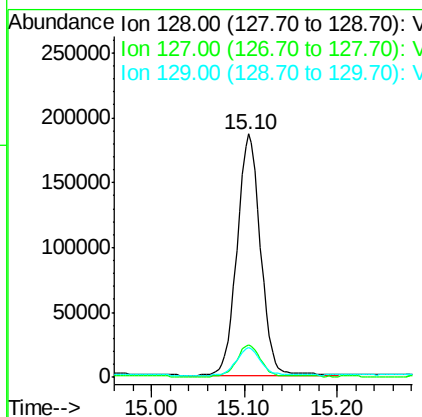
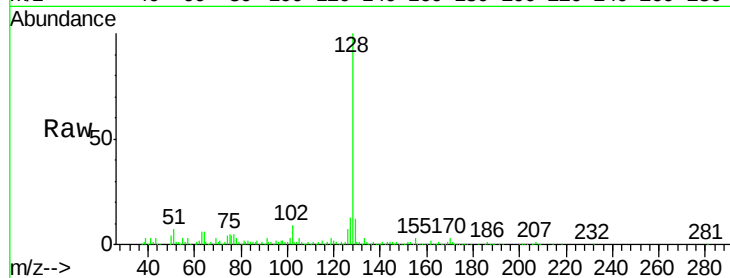
ClientSampleId :

VN0518MBSD01

Tot Ion:	128	Resp:	325868
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.1	15.1
129	12.4	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.762 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061438.D

Acq: 18 May 2020 16:40

Tgt Ion:	180	Resp:	93410
Ion Ratio	Lower	Upper	
180	100		
182	92.2	47.8	143.3
145	44.1	17.3	51.9

