

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061538.D
 Acq On : 28 May 2020 17:45
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:44 PM

Quant Time: May 29 01:51:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	414223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	695831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	624291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	274006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	3305	0.909 ug/l	96
3) Chloromethane	2.03	50	5451	0.978 ug/l	89
4) Vinyl Chloride	2.16	62	6780	0.862 ug/l	95
6) Chloroethane	2.67	64	4772	0.906 ug/l	95
7) Trichlorofluoromethane	2.98	101	9356	0.970 ug/l	100
8) Diethyl Ether	3.37	74	2995	1.064 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	4198	1.045 ug/l	96
12) 1,1-Dichloroethene	3.69	96	4797	1.132 ug/l	83
14) Allyl chloride	4.27	41	6170	0.933 ug/l	93
15) Acrylonitrile	4.93	53	8989	4.371 ug/l	96
16) Acetone	3.77	43	15734	8.572 ug/l	98
17) Carbon Disulfide	4.01	76	10726	1.032 ug/l	96
18) Methyl Acetate	4.28	43	5239	1.108 ug/l #	74
19) Methyl tert-butyl Ether	4.99	73	15797	1.002 ug/l	95
20) Methylene Chloride	4.50	84	11826	2.361 ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	5438	1.126 ug/l #	83
22) Diisopropyl ether	5.89	45	12506	0.839 ug/l #	79
23) Vinyl Acetate	5.84	43	49771	4.198 ug/l	96
24) 1,1-Dichloroethane	5.80	63	8250	0.940 ug/l #	93
25) 2-Butanone	6.79	43	12455	4.573 ug/l	99
26) 2,2-Dichloropropane	6.77	77	8340	1.002 ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	5401	0.948 ug/l	94
28) Bromochloromethane	7.15	49	4519	1.245 ug/l #	88
29) Tetrahydrofuran	7.17	42	8059	4.468 ug/l #	72
30) Chloroform	7.33	83	9139	0.991 ug/l	88
32) 1,1,1-Trichloroethane	7.53	97	8177	0.969 ug/l #	47
36) 1,1-Dichloropropene	7.74	75	6149	0.959 ug/l	98
37) Ethyl Acetate	6.88	43	4137	0.713 ug/l #	88
38) Carbon Tetrachloride	7.73	117	5066	0.854 ug/l	92
39) Methylcyclohexane	9.05	83	7467	0.951 ug/l	93
40) Benzene	8.00	78	19700	1.018 ug/l	97
41) Methacrylonitrile	7.13	41	2642	1.108 ug/l #	85
42) 1,2-Dichloroethane	8.08	62	6686	0.969 ug/l	100
43) Isopropyl Acetate	8.13	43	9009	0.897 ug/l #	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.80	130	5781	1.104	ug/l	95
45) 1,2-Dichloropropane	9.08	63	4422	0.920	ug/l	93
46) Dibromomethane	9.18	93	3788	1.108	ug/l	92
47) Bromodichloromethane	9.37	83	6451	0.905	ug/l	96
48) Methyl methacrylate	9.17	41	4599	0.997	ug/l #	79
49) 1,4-Dioxane	9.16	88	1474	25.530	ug/l #	81
51) 4-Methyl-2-Pentanone	9.95	43	24680	4.504	ug/l	95
52) Toluene	10.12	92	12126	0.972	ug/l	99
53) t-1,3-Dichloropropene	10.36	75	7062	0.908	ug/l	90
54) cis-1,3-Dichloropropene	9.81	75	7698	0.926	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	4990	1.055	ug/l	97
56) Ethyl methacrylate	10.40	69	6198	0.848	ug/l	95
57) 1,3-Dichloropropane	10.68	76	7915	0.978	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	11257	3.512	ug/l	100
59) 2-Hexanone	10.72	43	17217	4.346	ug/l	94
60) Dibromochloromethane	10.87	129	4988	0.946	ug/l	95
61) 1,2-Dibromoethane	10.98	107	4833	0.969	ug/l	93
64) Tetrachloroethene	10.60	164	5926	1.190	ug/l	93
65) Chlorobenzene	11.41	112	12911	1.017	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.48	131	4837	1.056	ug/l #	62
67) Ethyl Benzene	11.48	91	22387	0.978	ug/l	95
68) m/p-Xylenes	11.60	106	17070	1.951	ug/l	98
69) o-Xylene	11.92	106	7829	0.925	ug/l	90
70) Styrene	11.94	104	12294	0.878	ug/l	95
71) Bromoform	12.10	173	3042	0.929	ug/l #	100
73) Isopropylbenzene	12.22	105	21007	0.976	ug/l	97
74) N-amyl acetate	12.05	43	5296	0.683	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.48	83	6209	1.047	ug/l	92
76) 1,2,3-Trichloropropane	12.53	75	5504m	0.965	ug/l	
77) Bromobenzene	12.50	156	5355	1.116	ug/l	92
78) n-propylbenzene	12.57	91	24249	0.994	ug/l	95
79) 2-Chlorotoluene	12.65	91	14569	1.007	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	16979	0.962	ug/l	99
82) 4-Chlorotoluene	12.75	91	15246	1.018	ug/l	96
83) tert-Butylbenzene	12.97	119	16077	1.061	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	16263	0.921	ug/l	97
85) sec-Butylbenzene	13.15	105	19753	0.970	ug/l	98
86) p-Isopropyltoluene	13.27	119	17631	0.969	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	8931	1.025	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	9675	1.109	ug/l	92
89) n-Butylbenzene	13.59	91	14680	0.900	ug/l	98
90) Hexachloroethane	13.85	117	1719	0.725	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	8404	1.005	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1263	1.054	ug/l	86
93) 1,2,4-Trichlorobenzene	14.88	180	4728	1.033	ug/l	99
94) Hexachlorobutadiene	14.99	225	2345	1.165	ug/l	95
95) Naphthalene	15.11	128	13412	0.925	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	4647	1.017	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 414223

Ion Ratio Lower Upper

168 100

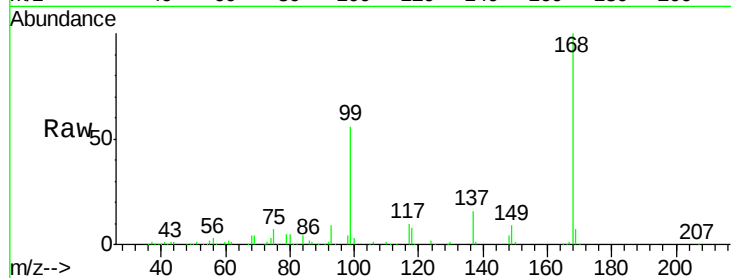
99 56.1 45.0 67.4

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

200000

150000

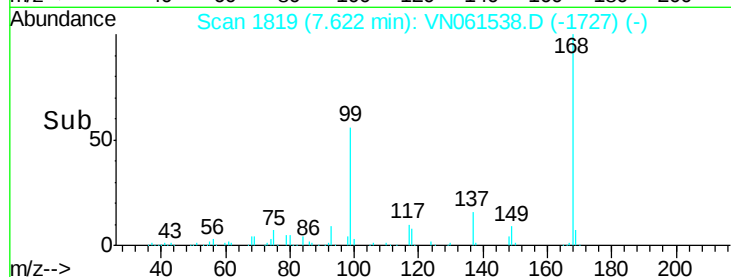
100000

50000

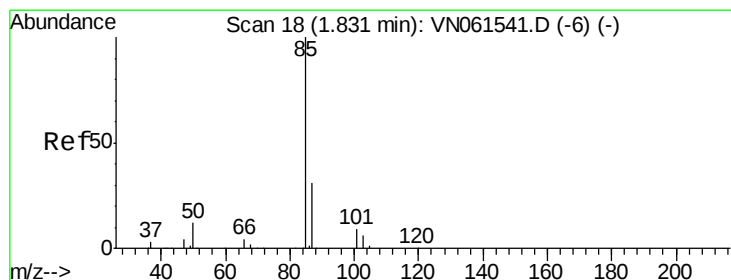
0

7.50 7.60 7.70

7.62



Time-->



#2

Dichlorodifluoromethane

Concen: 0.909 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061538.D

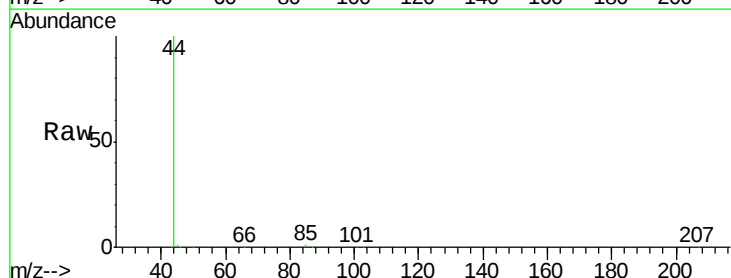
Acq: 28 May 2020 17:45

Tgt Ion: 85 Resp: 3305

Ion Ratio Lower Upper

85 100

87 33.2 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

3000

2500

2000

1500

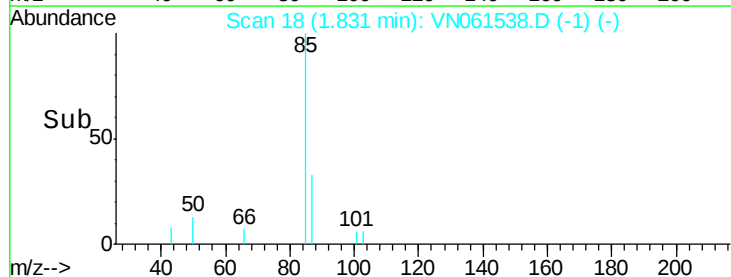
1000

500

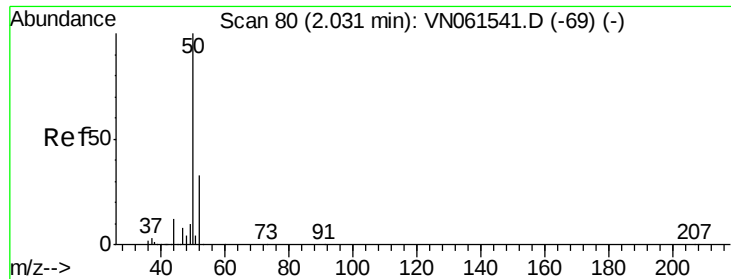
0

1.78 1.80 1.82 1.84 1.86

1.83



Time-->



#3

Chloromethane

Concen: 0.978 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5451

Ion Ratio Lower Upper

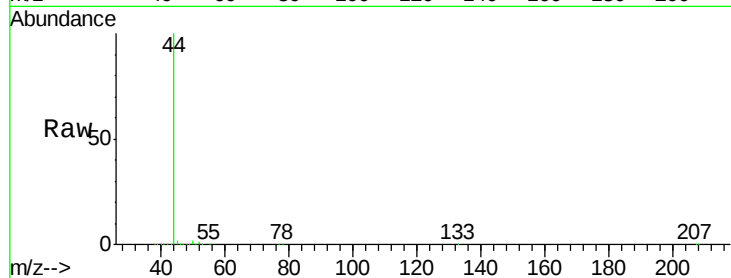
50 100

52 39.9 26.7 40.1

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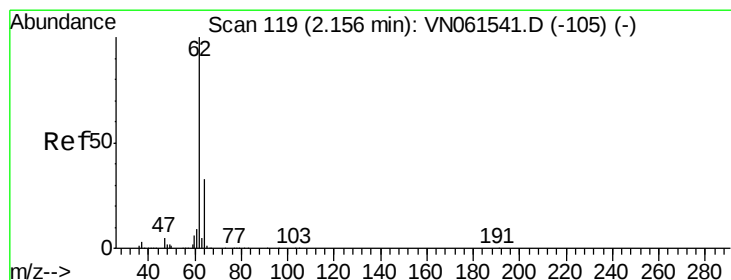
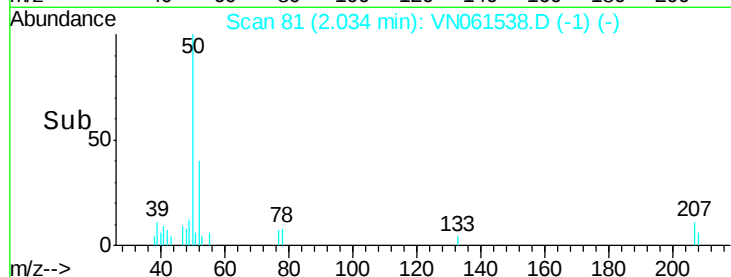
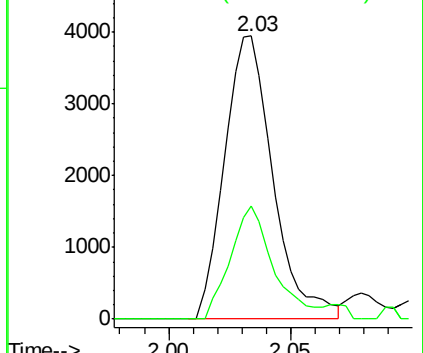
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.862 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN061538.D

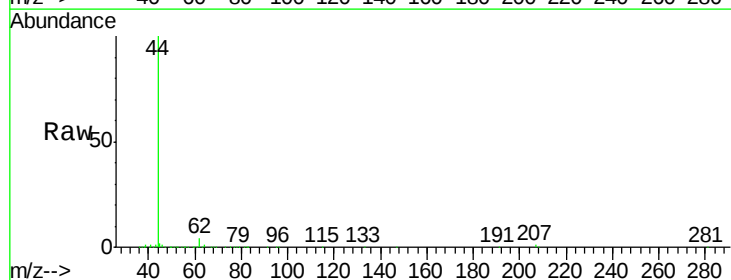
Acq: 28 May 2020 17:45

Tgt Ion: 62 Resp: 6780

Ion Ratio Lower Upper

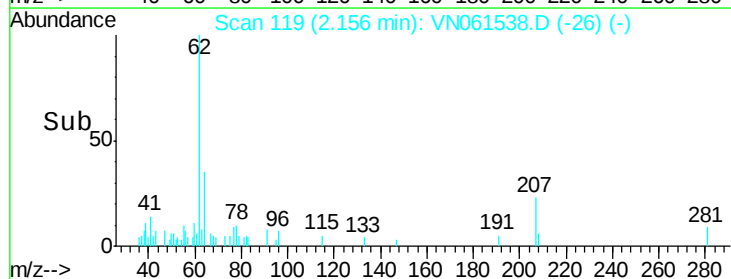
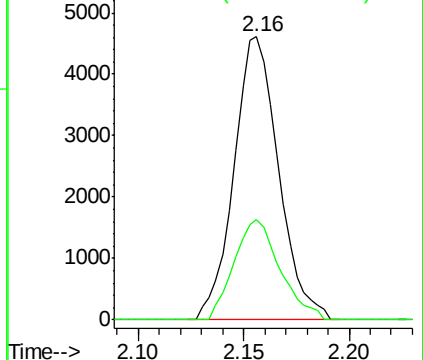
62 100

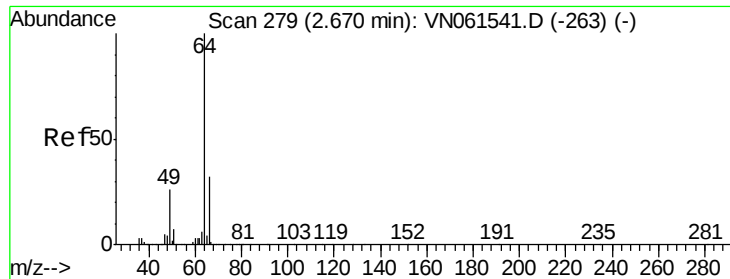
64 35.3 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#6

Chloroethane

Concen: 0.906 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 4772

Ion Ratio Lower Upper

64 100

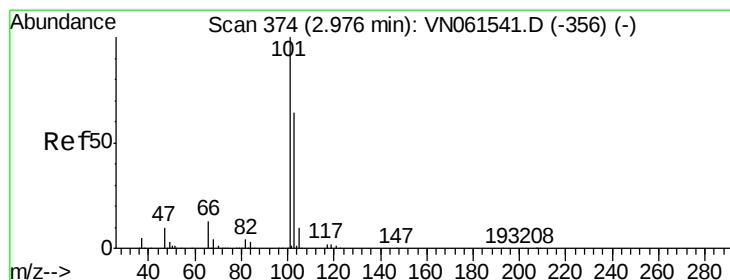
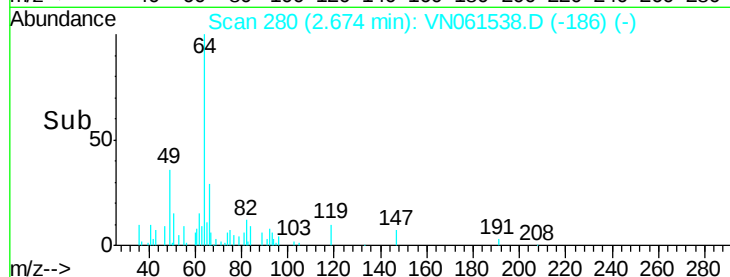
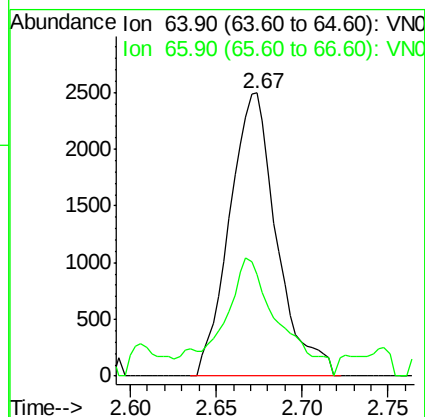
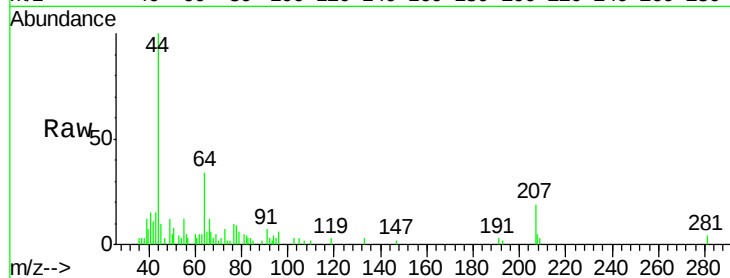
66 29.3 25.6 38.4

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 0.970 ug/l

RT: 2.98 min Scan# 374

Delta R.T. 0.00 min

Lab File: VN061538.D

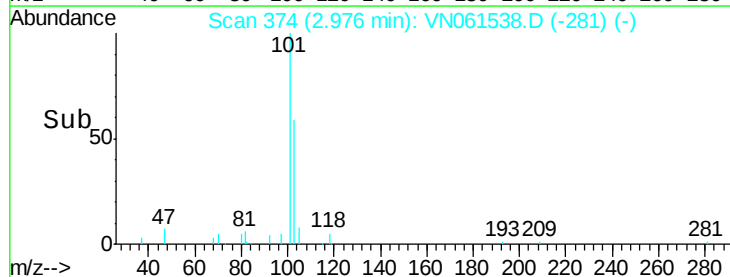
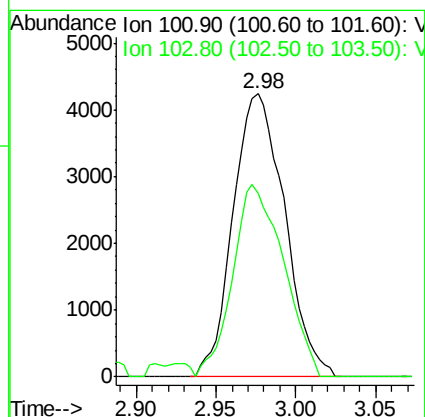
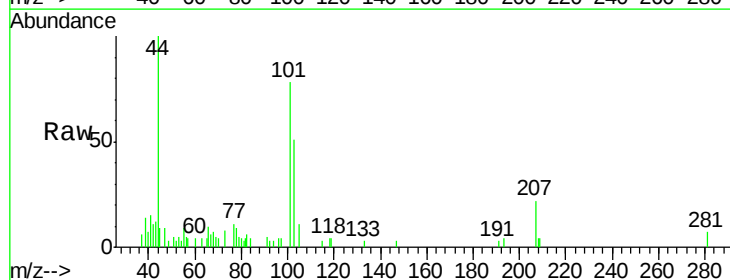
Acq: 28 May 2020 17:45

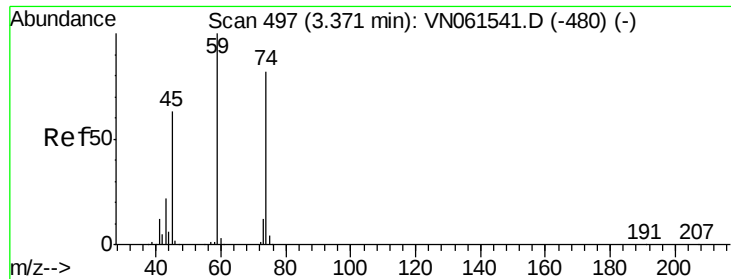
Tgt Ion: 101 Resp: 9356

Ion Ratio Lower Upper

101 100

103 64.7 51.4 77.2





#8

Diethyl Ether

Concen: 1.064 ug/l

RT: 3.37 min Scan# 497

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 2995

Ion Ratio Lower Upper

74 100

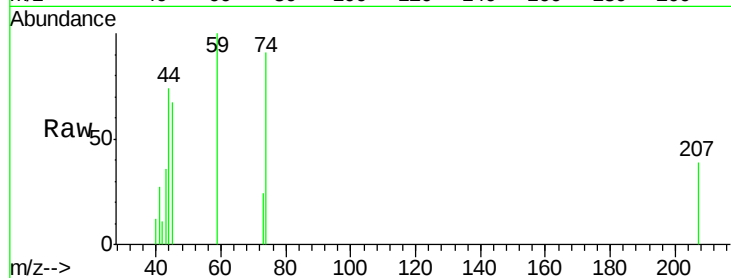
45 81.1 39.9 119.7

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Abundance Ion 74.00 (73.70 to 74.70): VN061538.D (-404) (-)

Ion 45.00 (44.70 to 45.70): VN061538.D (-404) (-)

3.37

1500

1000

500

0

Time-->

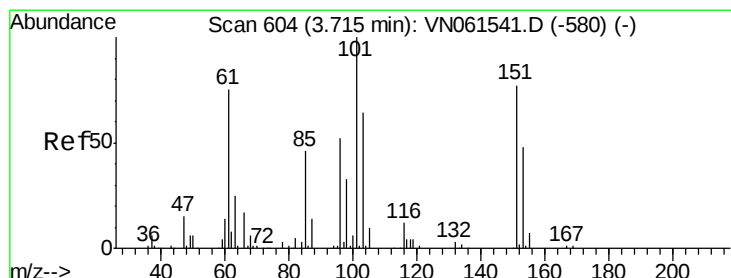
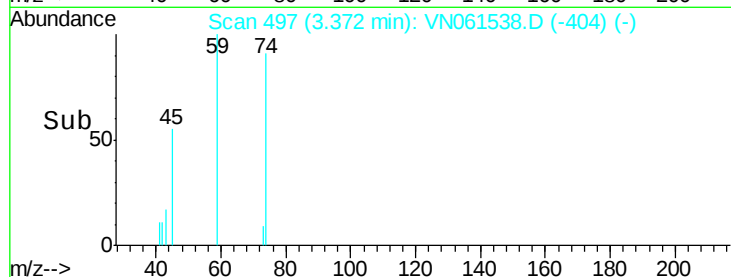
3.30

3.35

3.40

3.45

3.50



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.045 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

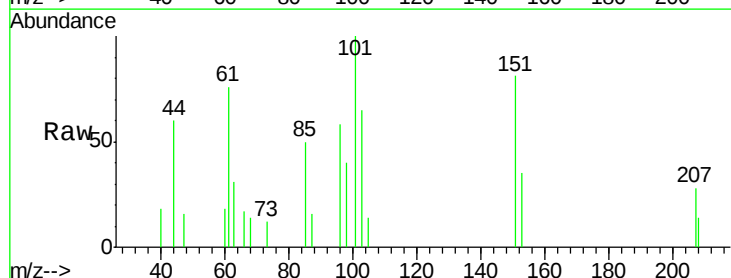
Tgt Ion: 101 Resp: 4198

Ion Ratio Lower Upper

101 100

85 49.6 35.2 52.8

151 75.7 61.0 91.6



Abundance Ion 100.90 (100.60 to 101.60): VN061538.D (-511) (-)

Ion 84.90 (84.60 to 85.60): VN061538.D (-511) (-)

Ion 150.80 (150.50 to 151.50): VN061538.D (-511) (-)

3.71

2000

1500

1000

500

0

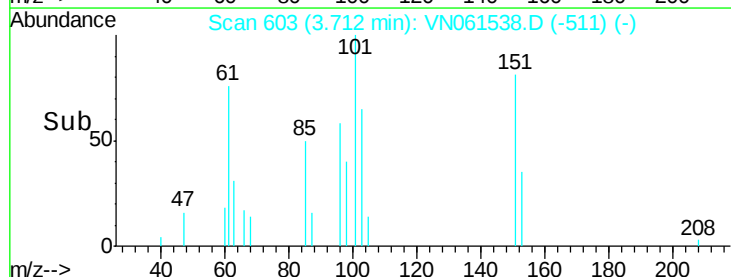
Time-->

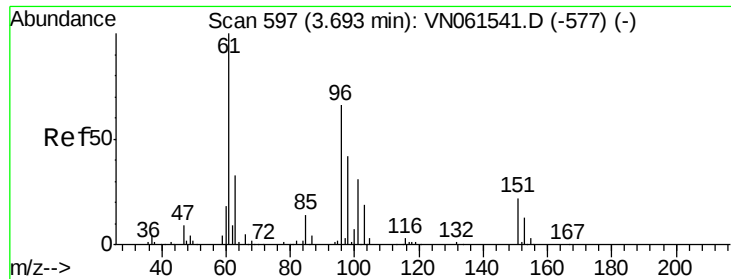
3.65

3.70

3.75

3.80





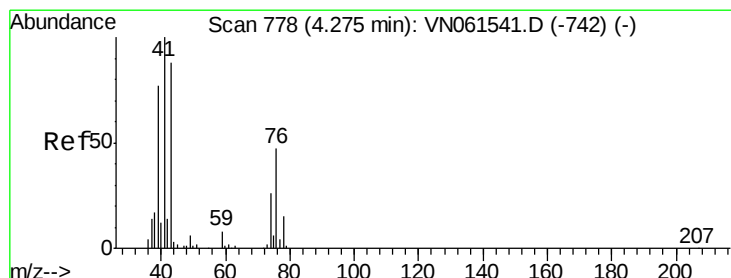
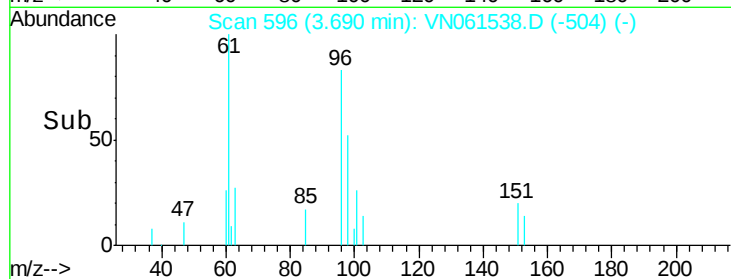
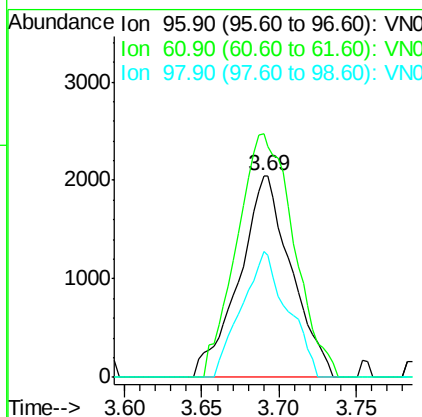
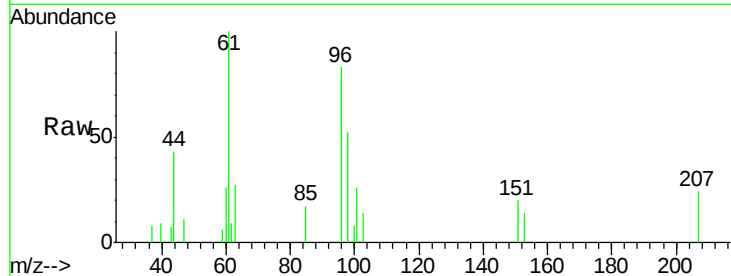
#12
 1,1-Dichloroethene
 Concen: 1.132 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VN061538.D
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 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.6	120.5	180.7
98	62.3	50.8	76.2

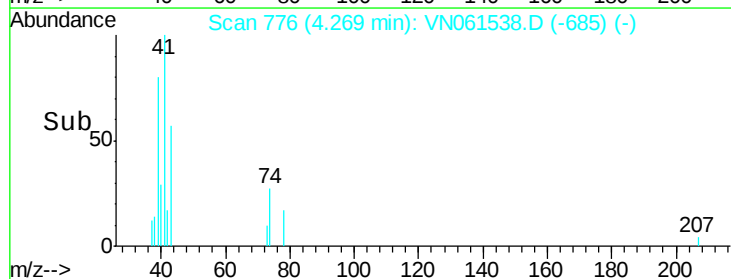
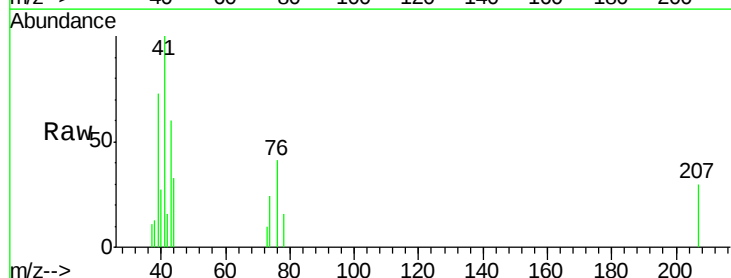
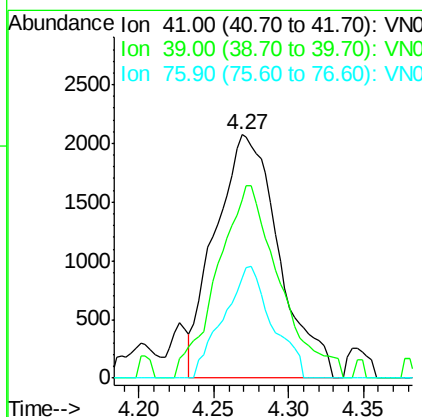
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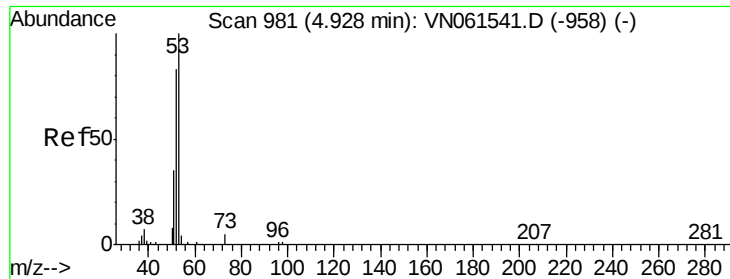
MMDadoda
 5/29/2020 5:46:44 PM



#14
 Allyl chloride
 Concen: 0.933 ug/l
 RT: 4.27 min Scan# 776
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.6	58.6	88.0
76	34.9	34.2	51.4





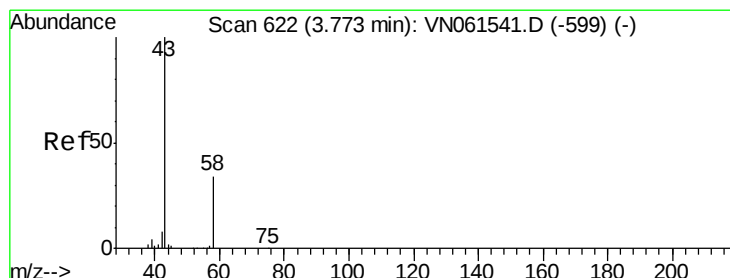
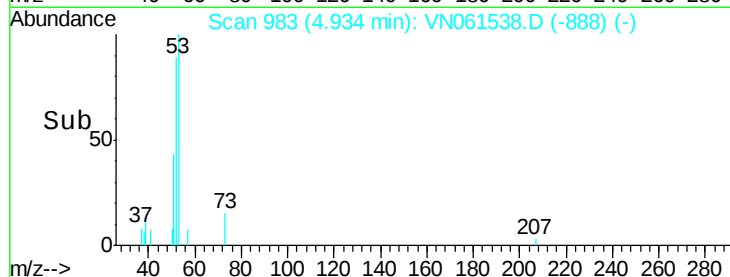
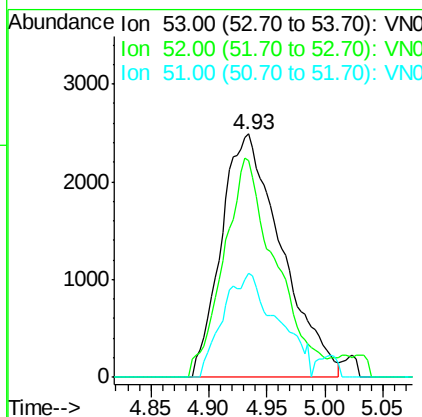
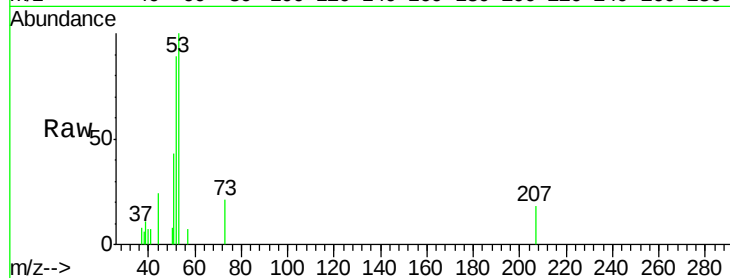
#15
 Acrylonitrile
 Concen: 4.371 ug/l
 RT: 4.93 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	53	Resp:	8989
Ion	Ratio	Lower	Upper
53	100		
52	77.9	65.4	98.2
51	38.6	29.0	43.6

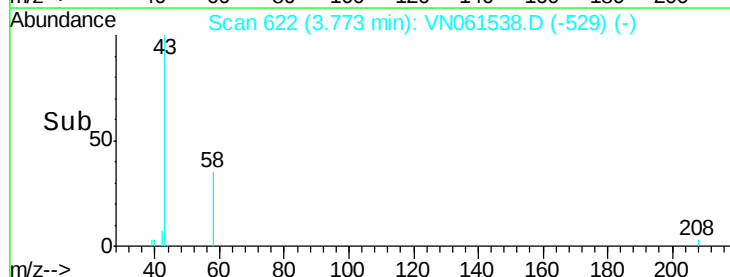
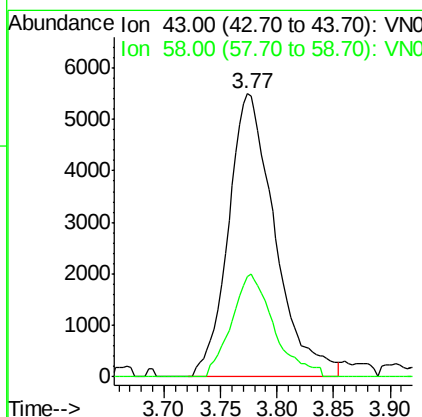
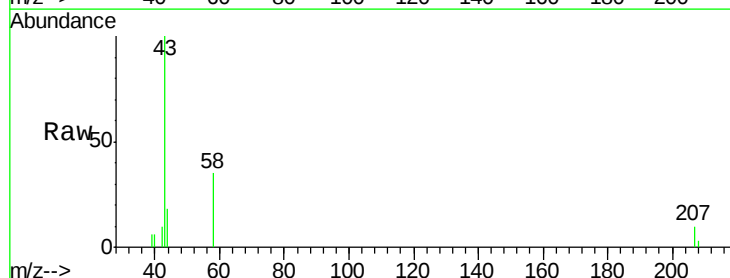
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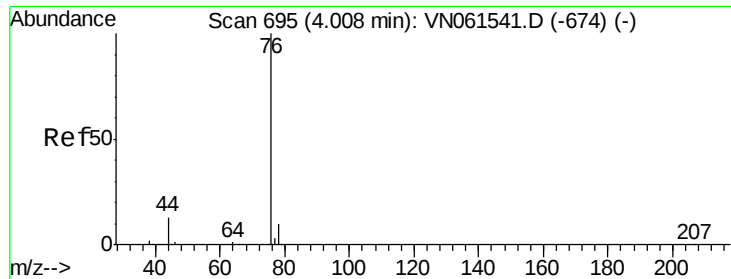
MMDadoda
 5/29/2020 5:46:44 PM



#16
 Acetone
 Concen: 8.572 ug/l
 RT: 3.77 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion:	43	Resp:	15734
Ion	Ratio	Lower	Upper
43	100		
58	35.4	27.2	40.8





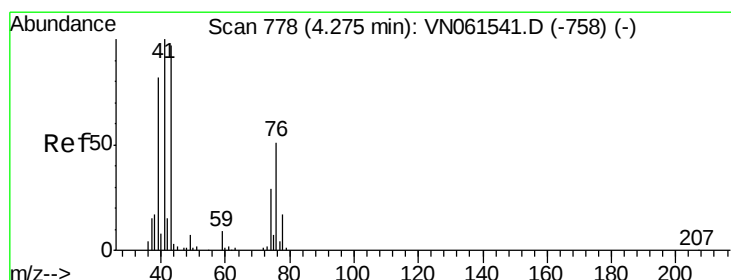
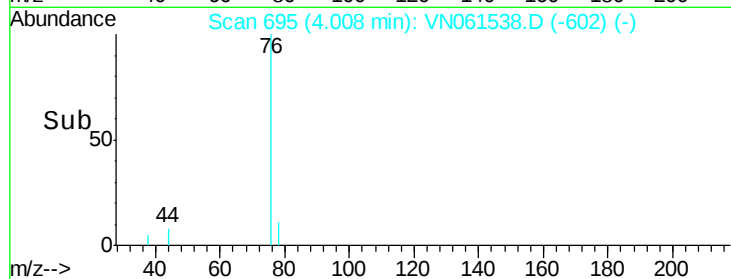
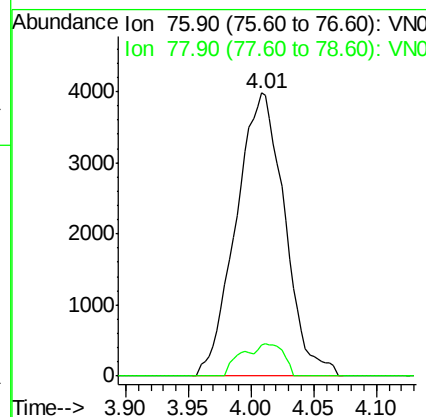
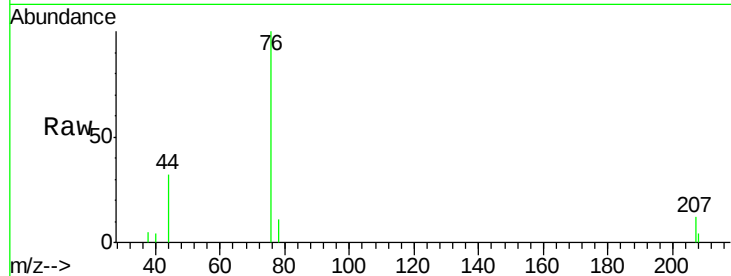
#17
Carbon Disulfide
Concen: 1.032 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.8	11.6

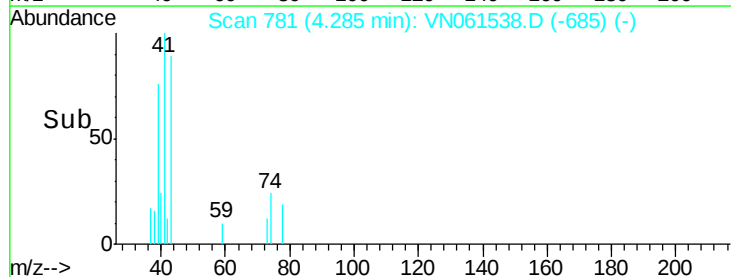
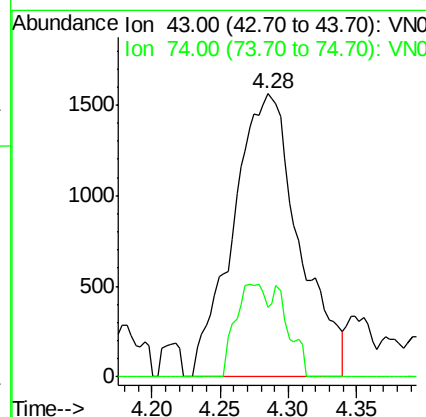
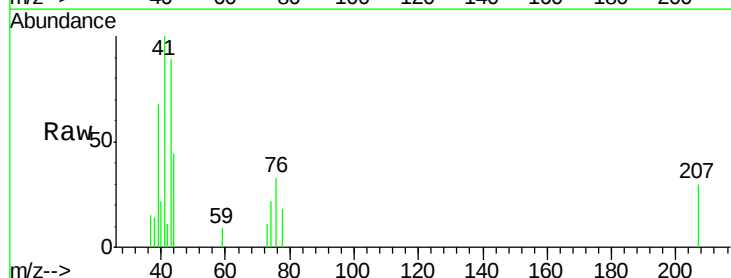
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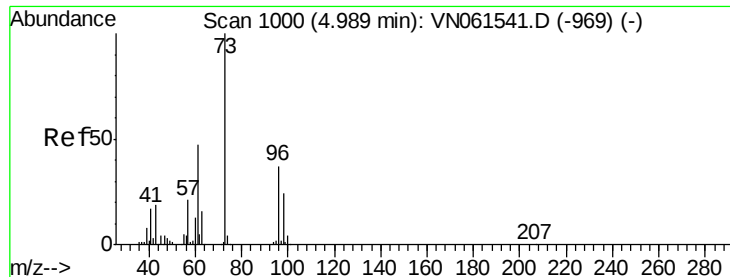
MMDadoda
5/29/2020 5:46:44 PM



#18
Methyl Acetate
Concen: 1.108 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.1	23.2	34.8#





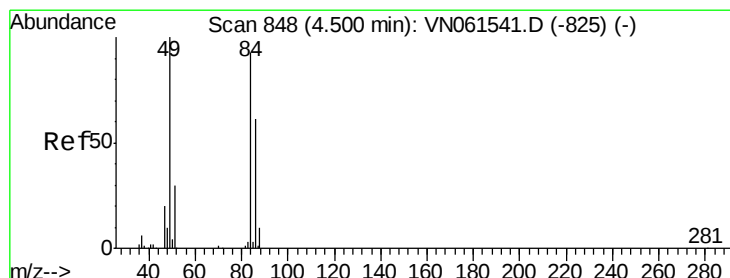
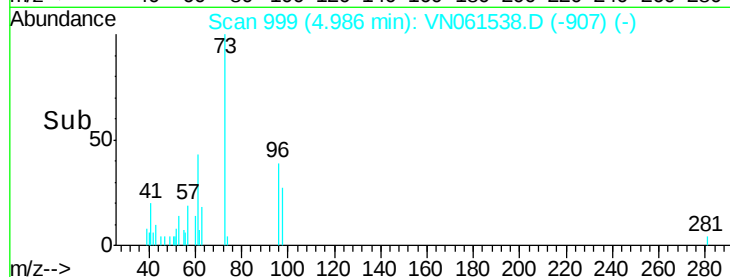
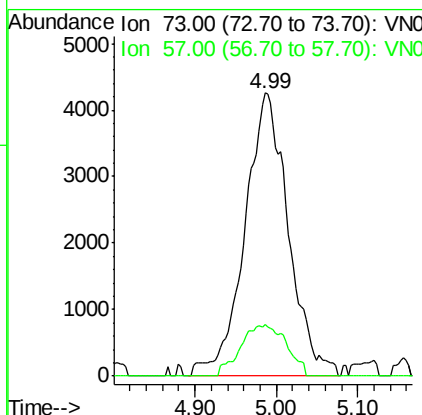
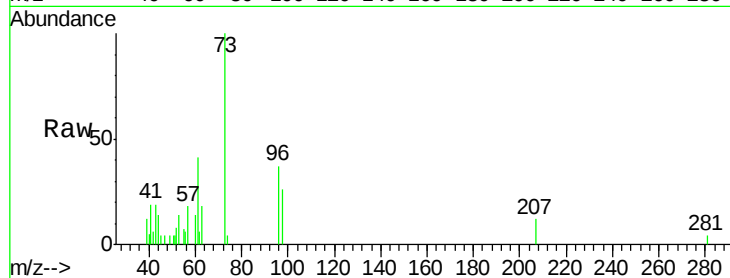
#19
Methvl tert-butvl Ether
Concen: 1.002 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 15797
Ion Ratio Lower Upper
73 100
57 18.2 16.4 24.6

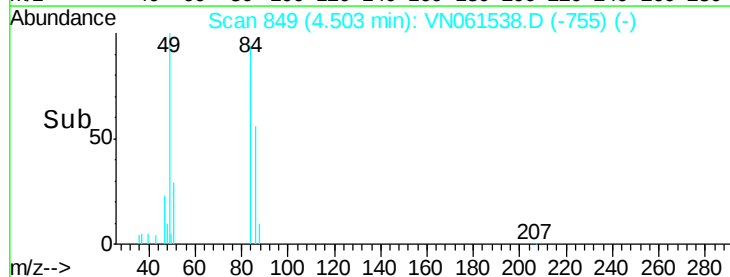
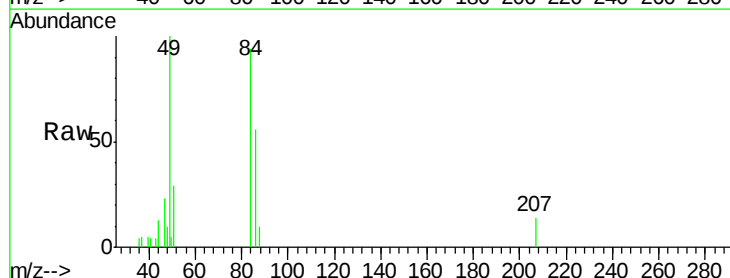
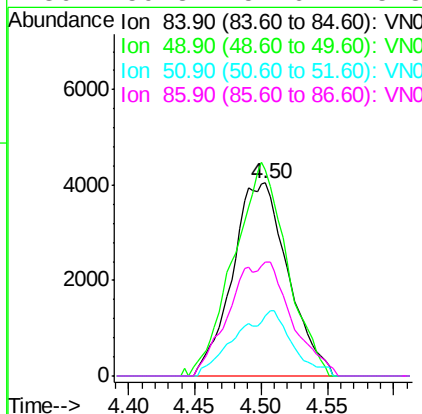
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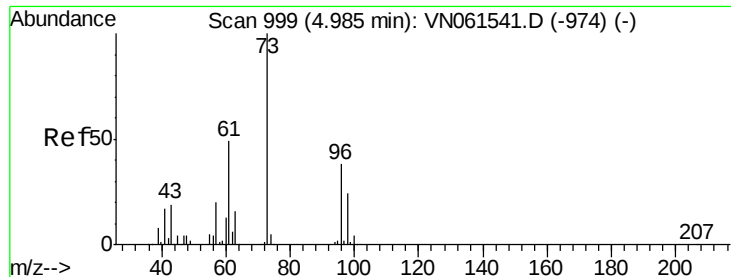
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#20
Methylene Chloride
Concen: 2.361 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 84 Resp: 11826
Ion Ratio Lower Upper
84 100
49 106.4 85.8 128.8
51 31.1 26.2 39.2
86 59.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 1.126 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

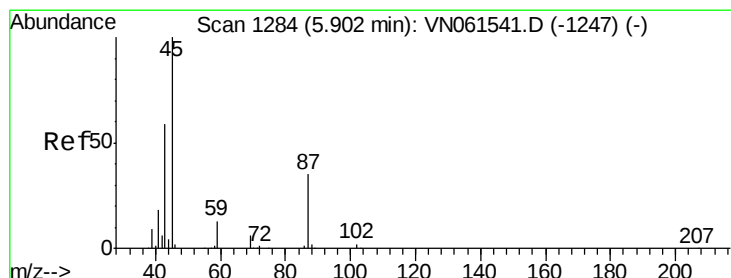
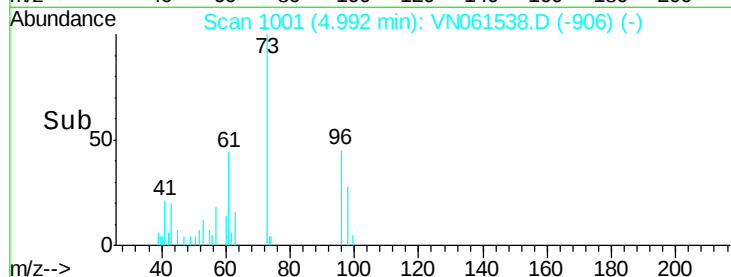
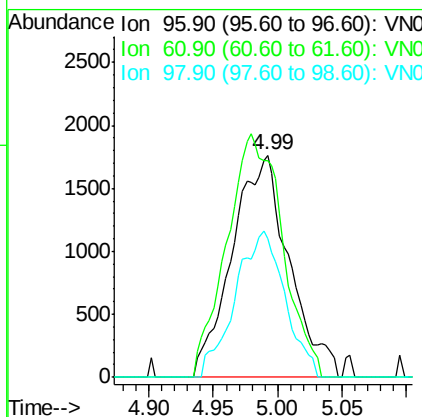
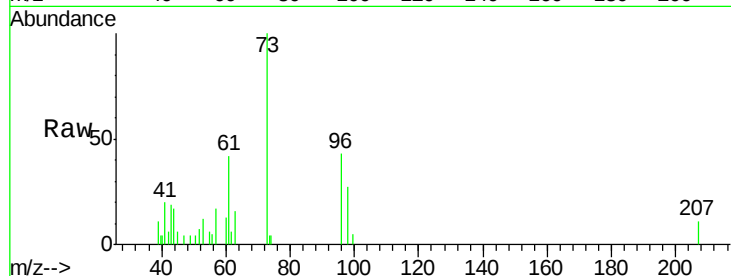
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5438
Ion	Ratio	Lower	Upper
96	100		
61	97.4	101.4	152.0#
98	62.3	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.839 ug/l

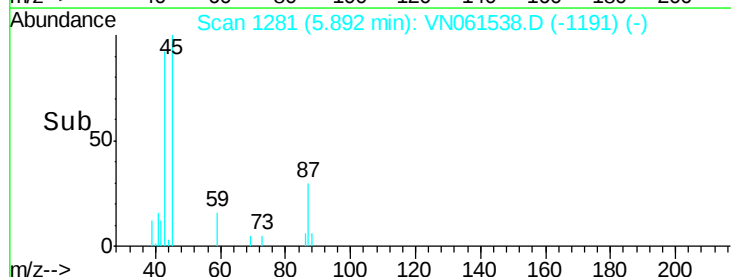
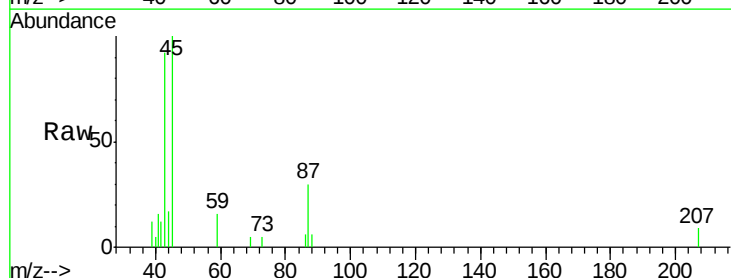
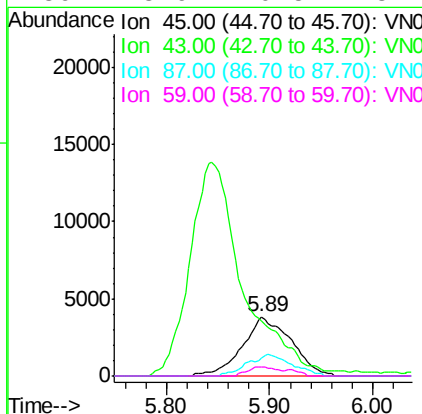
RT: 5.89 min Scan# 1281

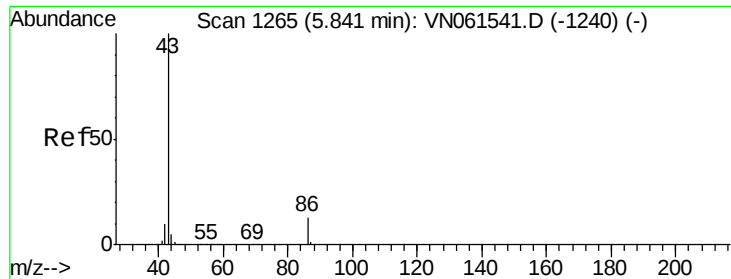
Delta R.T. -0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion:	45	Resp:	12506
Ion	Ratio	Lower	Upper
45	100		
43	83.2	47.9	71.9#
87	30.3	28.4	42.6
59	15.9	10.5	15.7#





#23

Vinyl Acetate

Concen: 4.198 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 49771

Ion Ratio Lower Upper

43 100

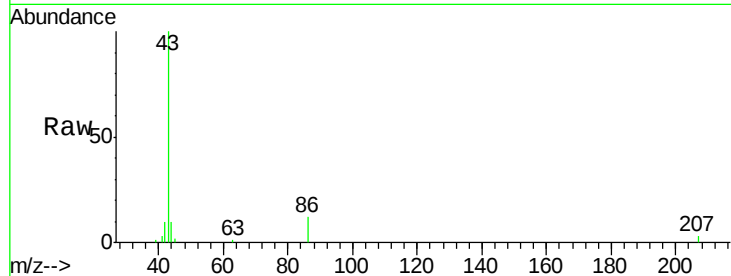
86 11.8 10.6 16.0

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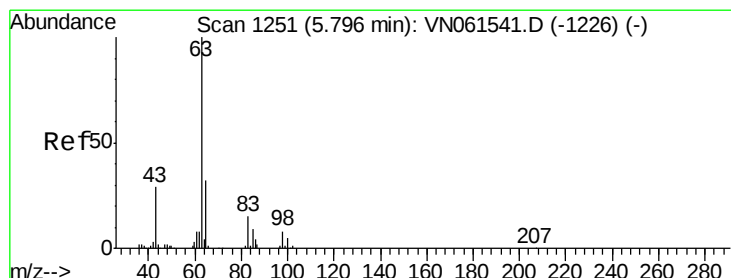
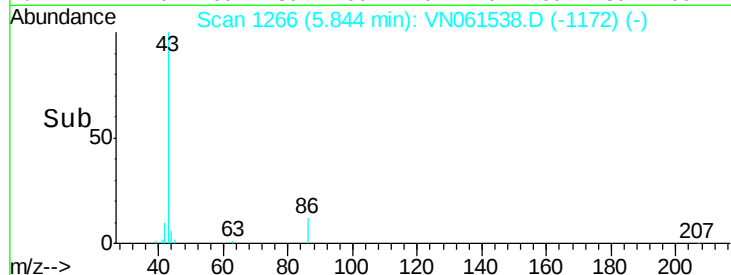
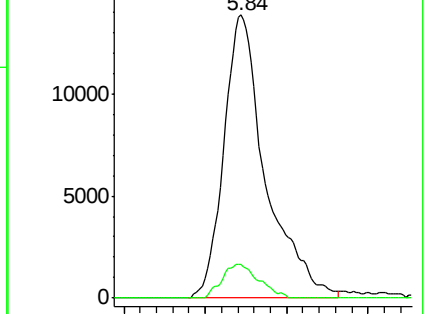
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Abundance Ion 43.00 (42.70 to 43.70): VN061538.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN061538.D (-1172) (-)



#24

1,1-Dichloroethane

Concen: 0.940 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

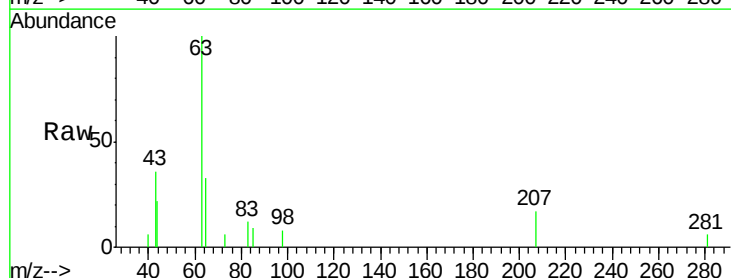
Tgt Ion: 63 Resp: 8250

Ion Ratio Lower Upper

63 100

98 8.3 3.8 11.4

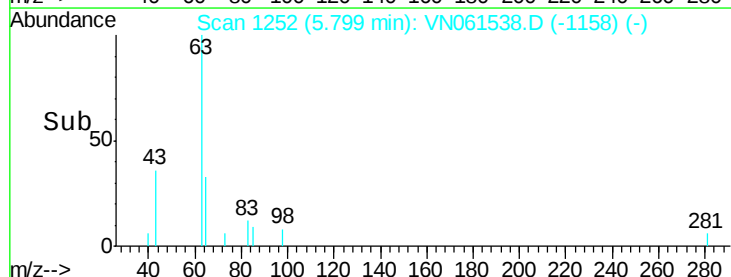
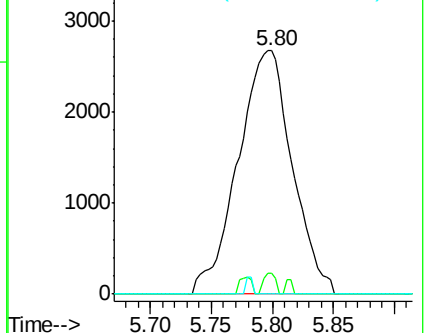
100 0.0 2.5 7.6#

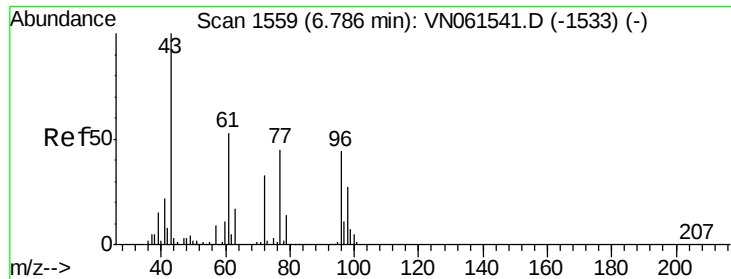


Abundance Ion 62.90 (62.60 to 63.60): VN061538.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN061538.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN061538.D (-1158) (-)





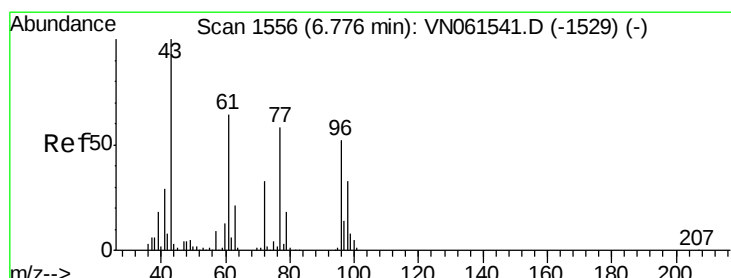
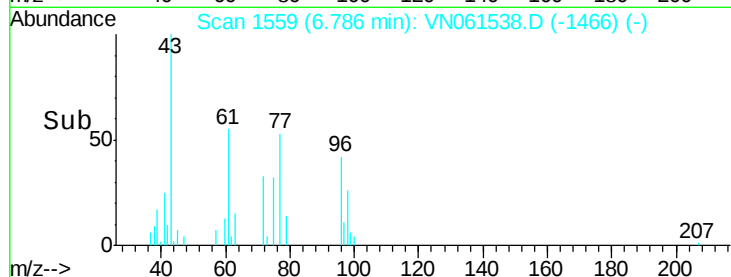
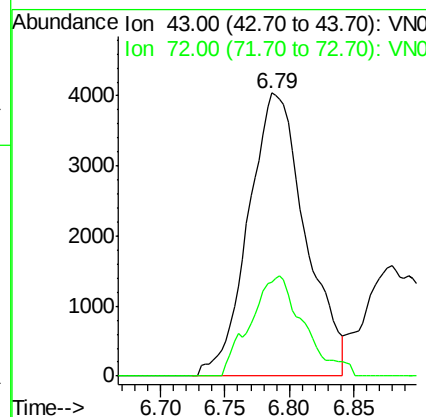
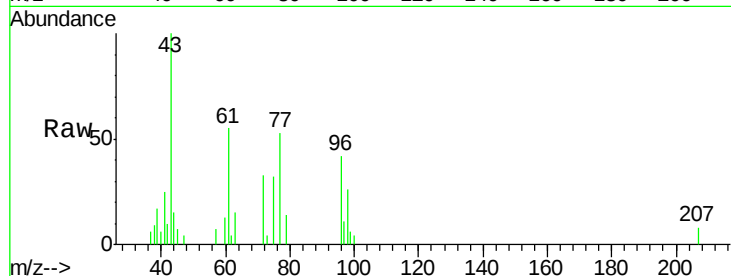
#25
2-Butanone
Concen: 4.573 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	12455
Ion Ratio	100	Lower	Upper
72	33.2	26.0	39.0

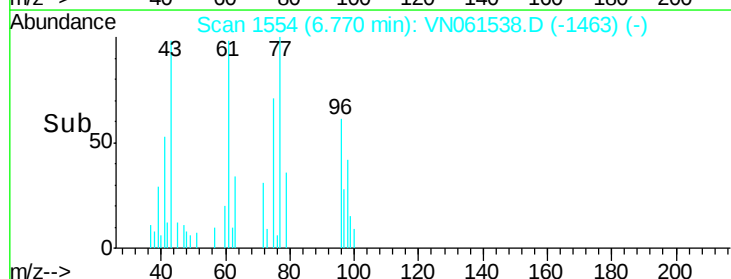
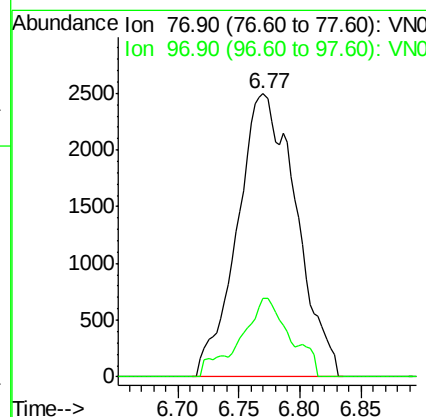
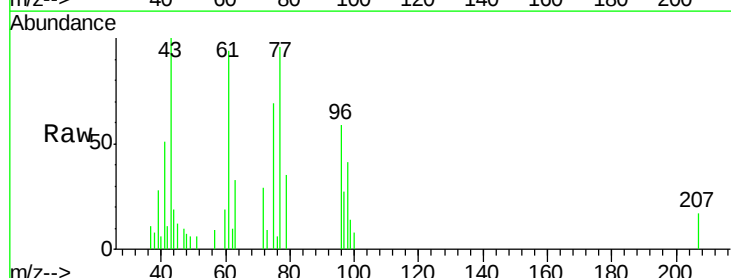
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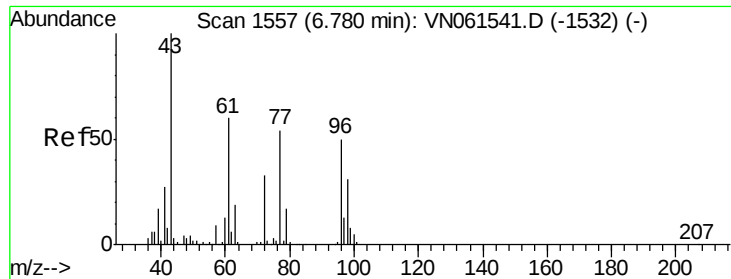
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#26
2,2-Dichloropropane
Concen: 1.002 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.01 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	77	Resp	8340
Ion Ratio	100	Lower	Upper
97	23.7	12.0	36.0





#27

cis-1,2-Dichloroethene

Concen: 0.948 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

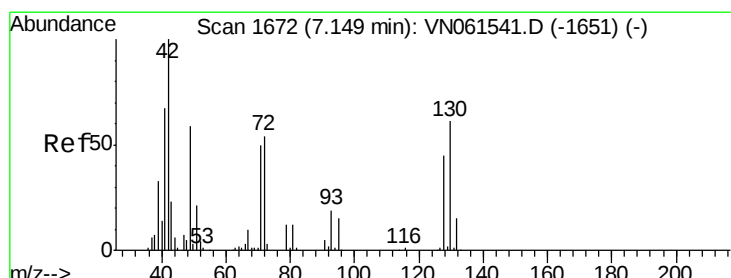
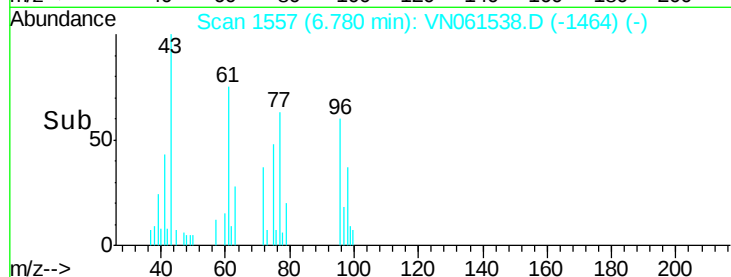
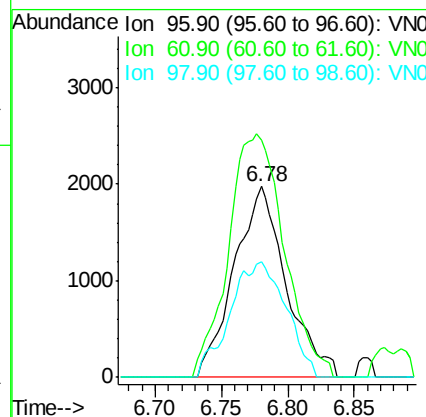
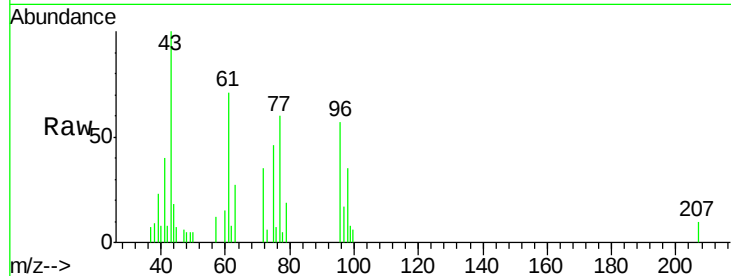
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5401
Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	252.2
98	64.9	0.0	129.2

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#28

Bromochloromethane

Concen: 1.245 ug/l

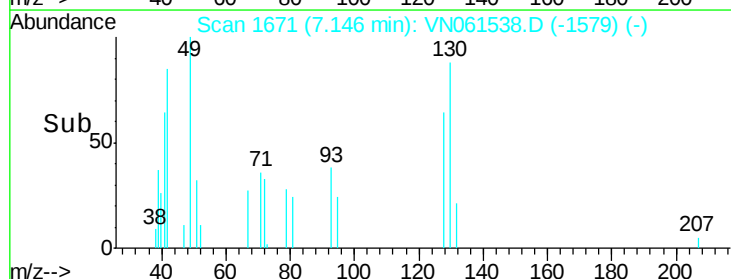
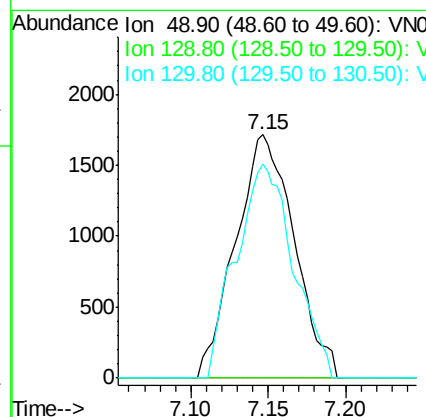
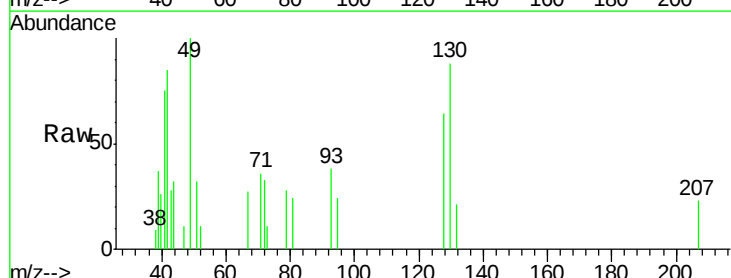
RT: 7.15 min Scan# 1671

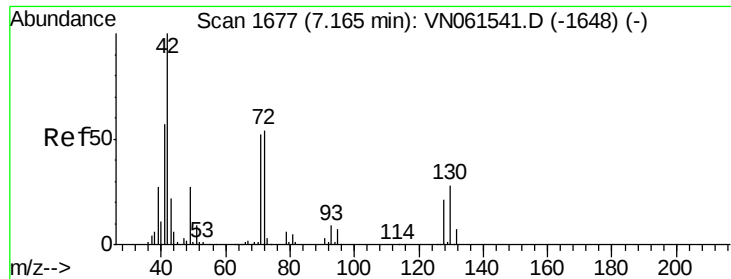
Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion:	49	Resp:	4519
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	86.4	78.8	118.2





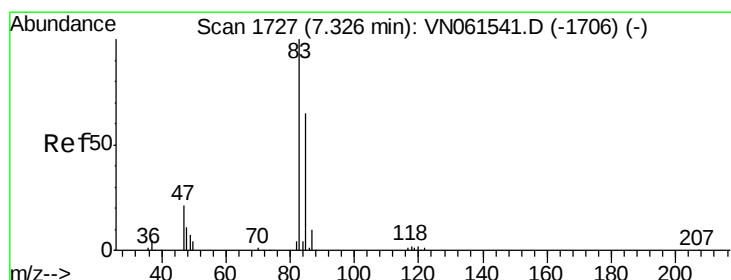
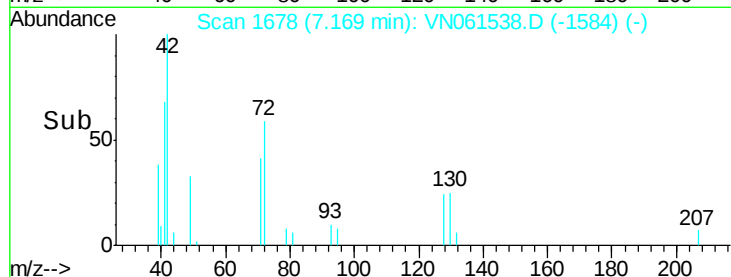
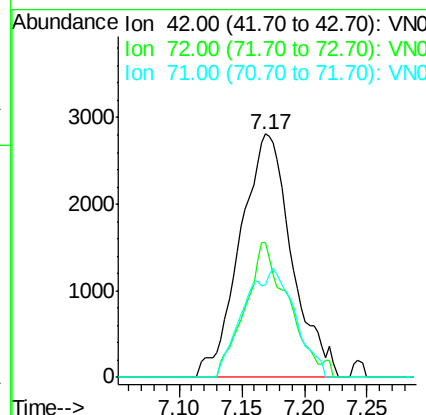
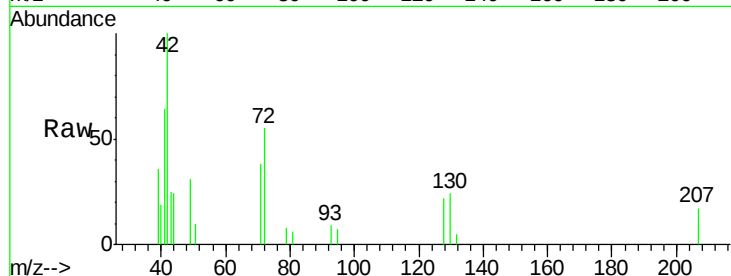
#29
Tetrahydrofuran
Concen: 4.468 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	43.6	65.4
71	18.4	41.2	61.8#

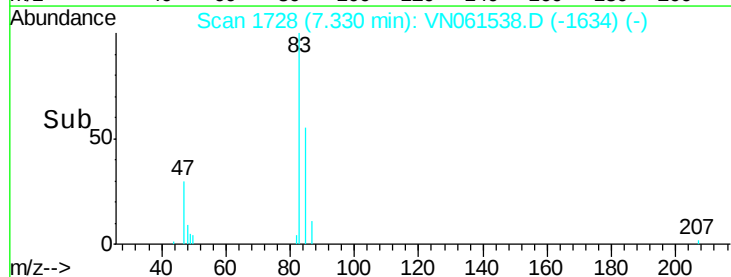
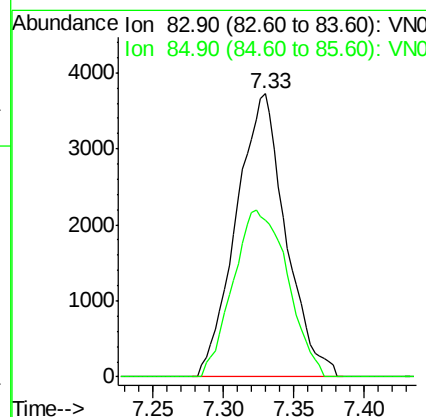
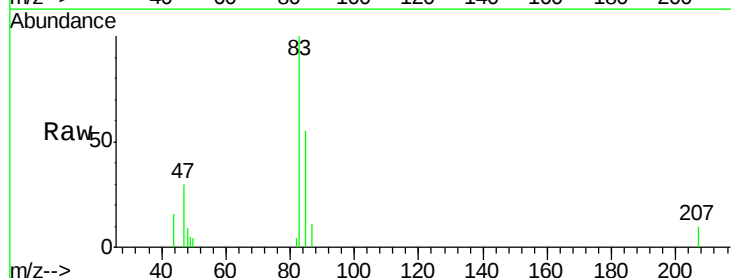
Manual Integrations
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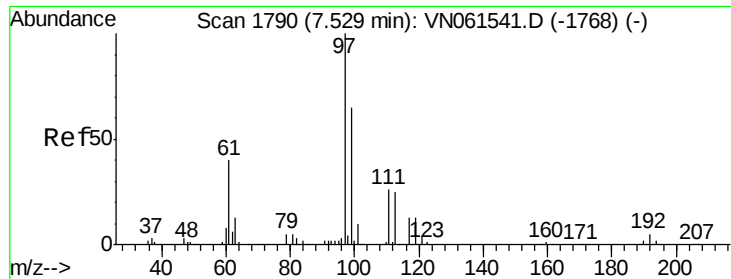
MMDadoda
5/29/2020 5:46:44 PM



#30
Chloroform
Concen: 0.991 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.3	51.7	77.5





#32

1,1,1-Trichloroethane

Concen: 0.969 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 8177

Ion Ratio Lower Upper

97 100

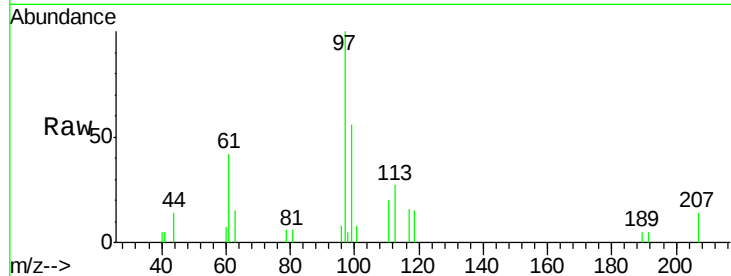
99 0.0 51.4 77.0#

61 42.3 31.4 47.0

Manual Integrations
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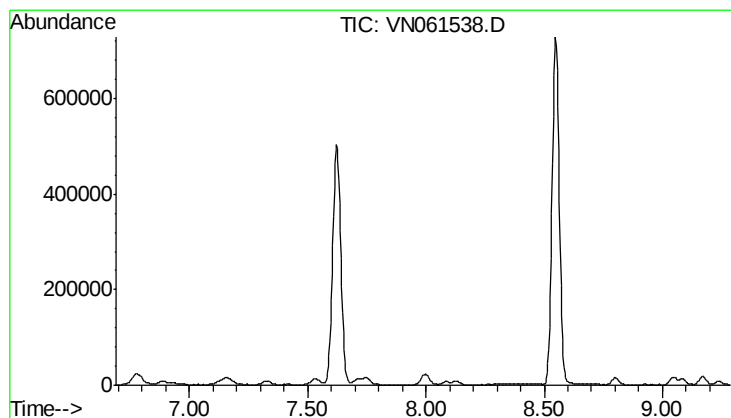
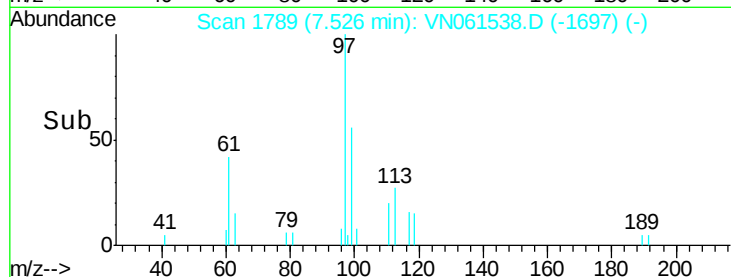
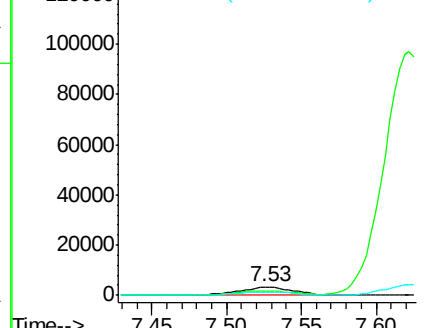


Abundance

Ion 96.90 (96.60 to 97.60): VN061538.D

Ion 98.90 (98.60 to 99.60): VN061538.D

Ion 60.90 (60.60 to 61.60): VN061538.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 7.99 min

Lab File: VN061538.D

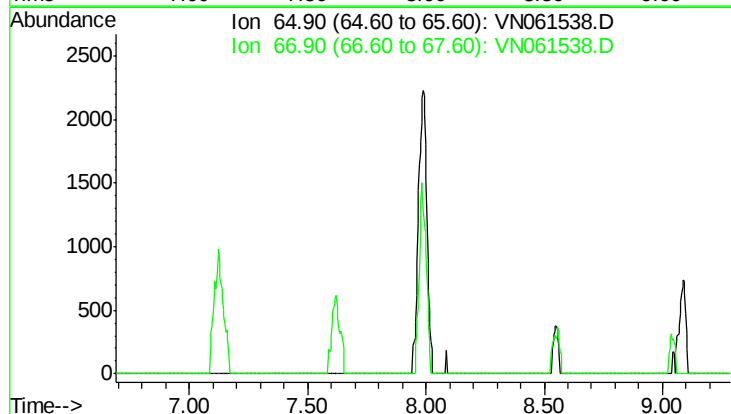
Acq: 28 May 2020 17:45

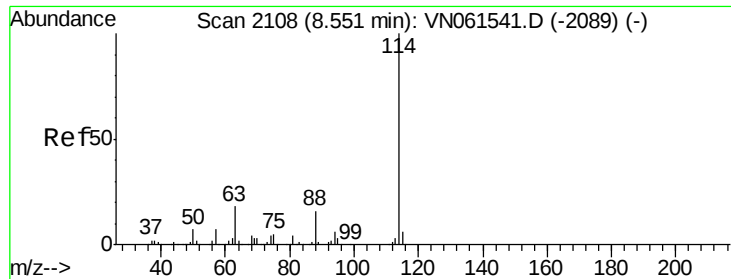
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.4





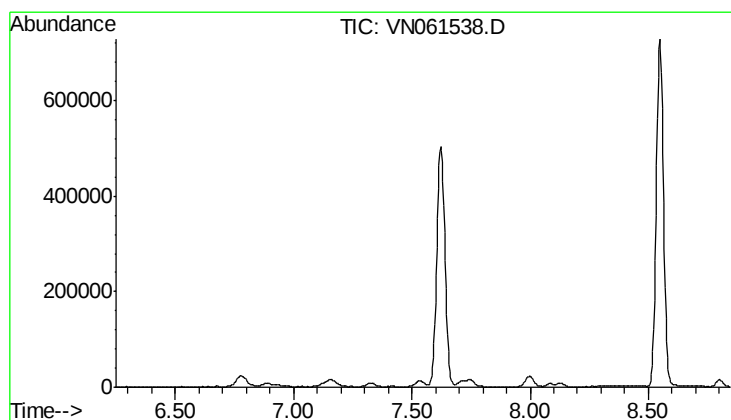
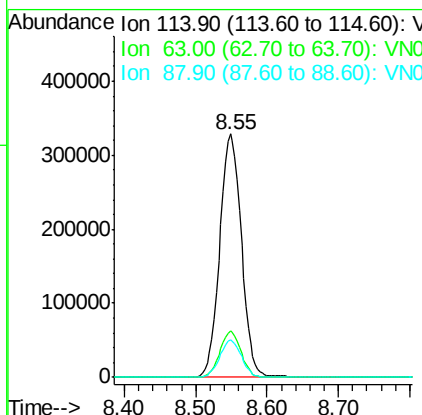
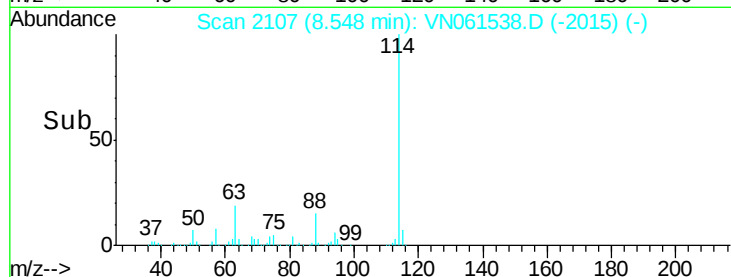
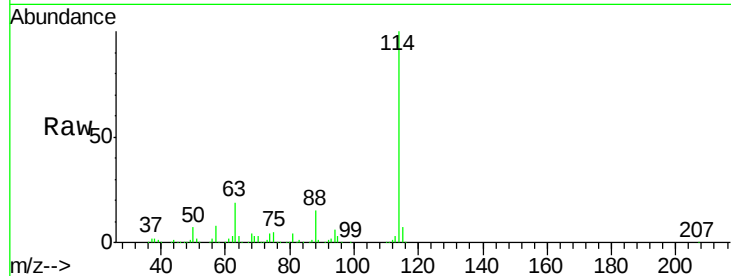
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	18.9	0.0	35.8
88	15.3	0.0	31.0

Manual Integrations
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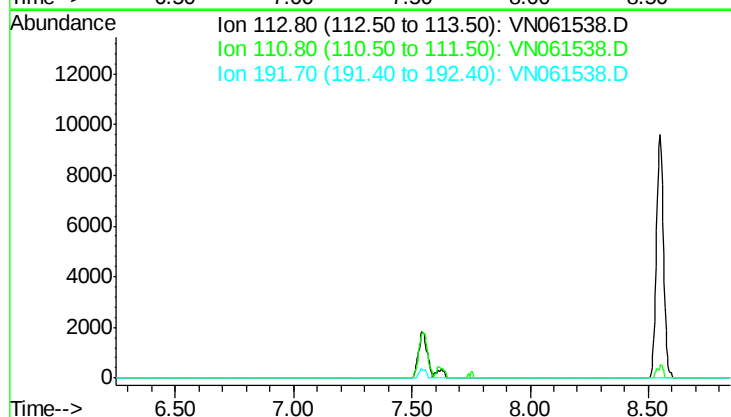
MMDadoda
 5/29/2020 5:46:44 PM

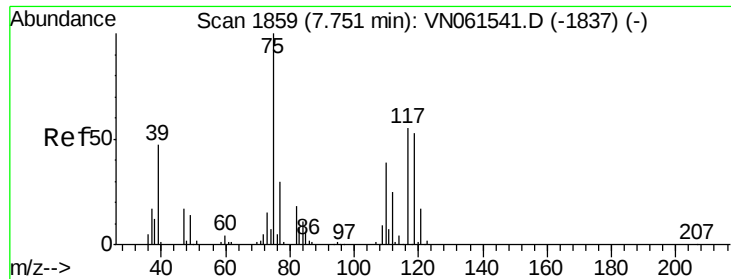


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.55 min

Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Exp Ratio
113	100
111	104.2
192	19.3





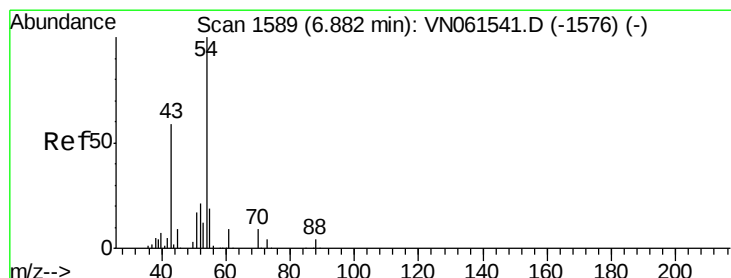
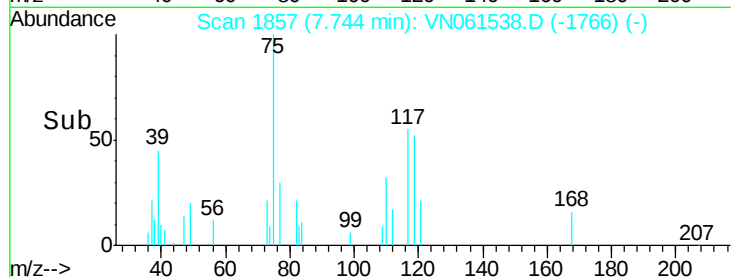
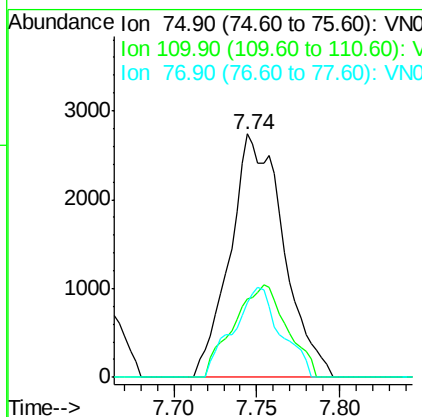
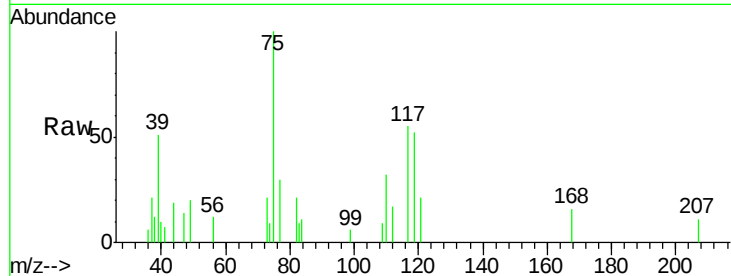
#36
 1,1-Dichloropropene
 Concen: 0.959 ug/l
 RT: 7.74 min Scan# 1857
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.9	19.5	58.5
77	32.7	24.7	37.1

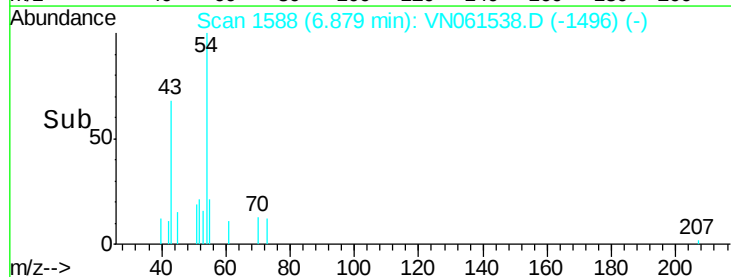
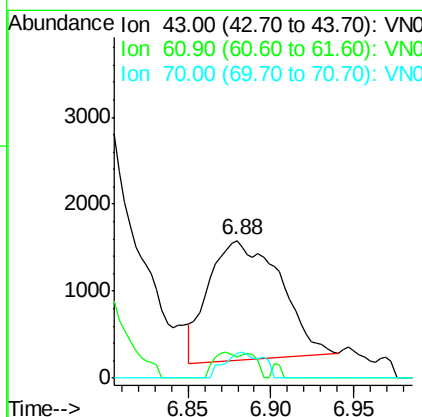
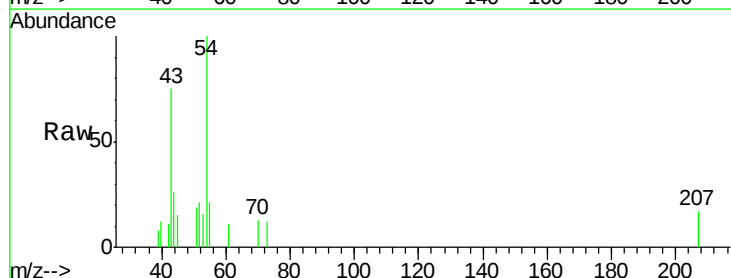
Manual Integrations
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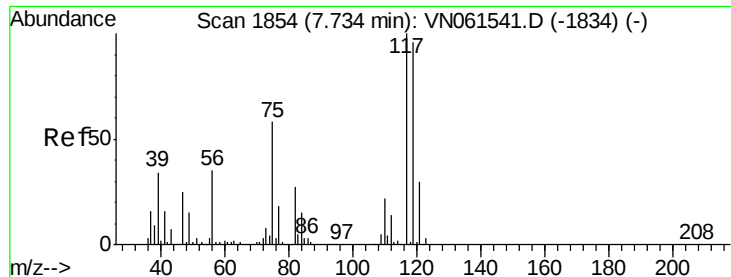
MMDadoda
 5/29/2020 5:46:44 PM



#37
 Ethyl Acetate
 Concen: 0.713 ug/l
 RT: 6.88 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
43	100		
61	7.0	12.2	18.4#
70	11.5	9.4	14.2





#38

Carbon Tetrachloride

Concen: 0.854 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

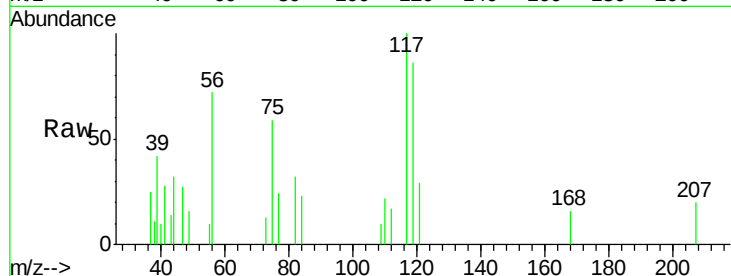
ClientSampled :

VSTDIC001

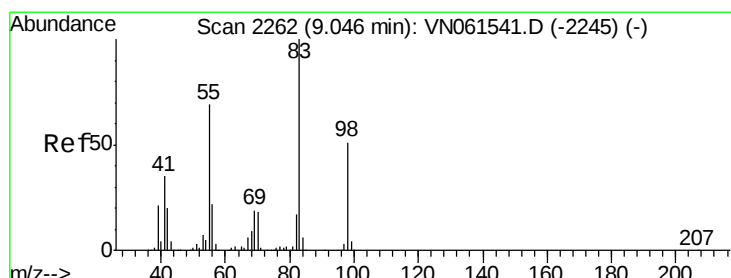
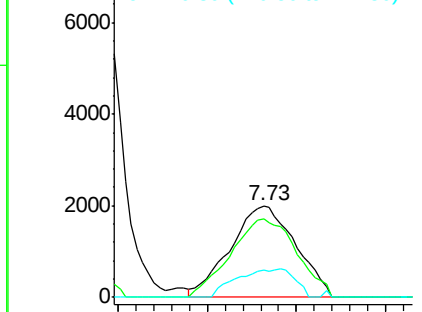
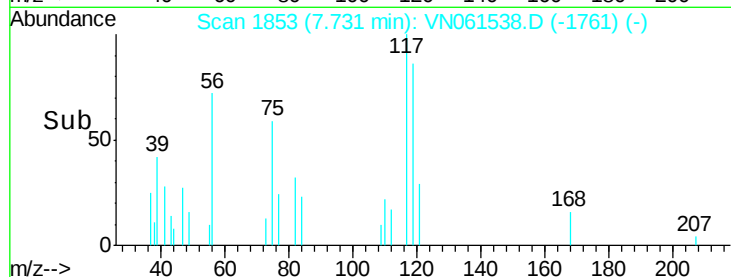
Tot Ion:	117	Resp:	5066
Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.5	114.7
121	29.4	24.1	36.1

Manual Integrations
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Abundance Ion 116.80 (116.50 to 117.50): V



#39

Methylcyclohexane

Concen: 0.951 ug/l

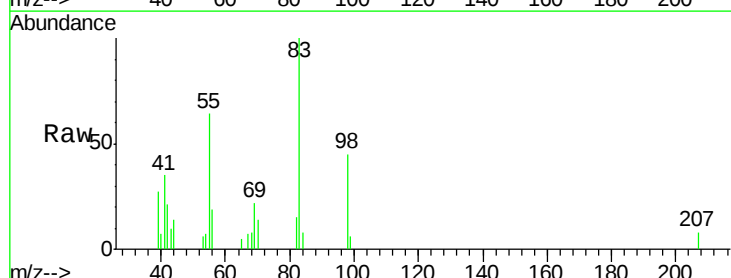
RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

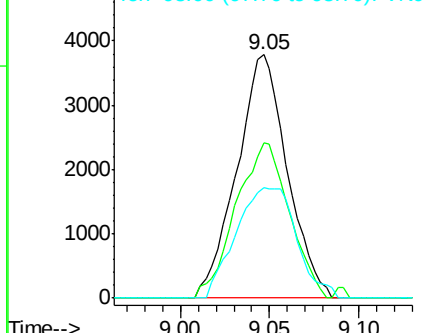
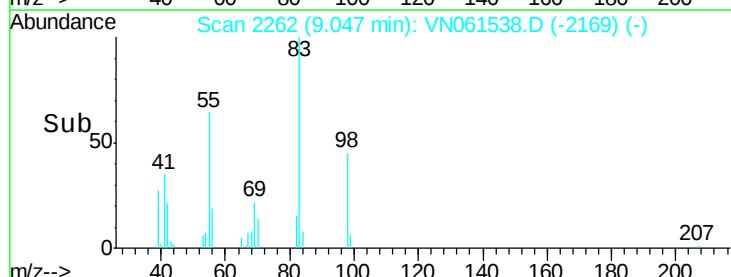
Lab File: VN061538.D

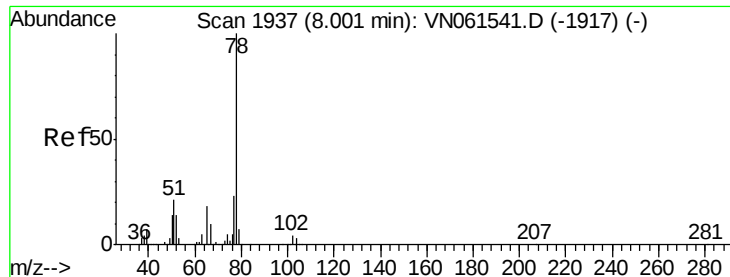
Acq: 28 May 2020 17:45

Tgt Ion:	83	Resp:	7467
Ion	Ratio	Lower	Upper
83	100		
55	63.7	54.9	82.3
98	45.1	41.0	61.4



Abundance Ion 83.00 (82.70 to 83.70): VNO





#40

Benzene

Concen: 1.018 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 19700

Ion Ratio Lower Upper

78 100

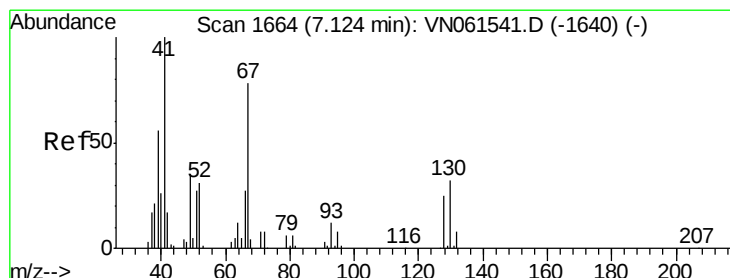
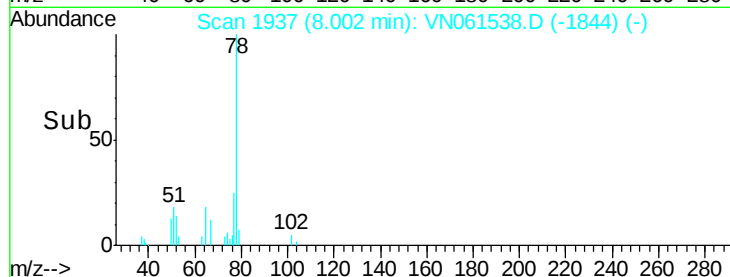
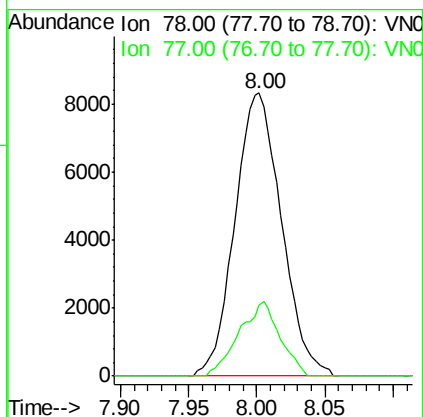
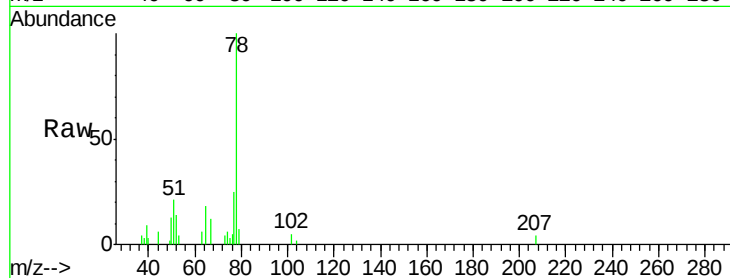
77 24.9 18.6 28.0

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#41

Methacrylonitrile

Concen: 1.108 ug/l

RT: 7.13 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion: 41 Resp: 2642

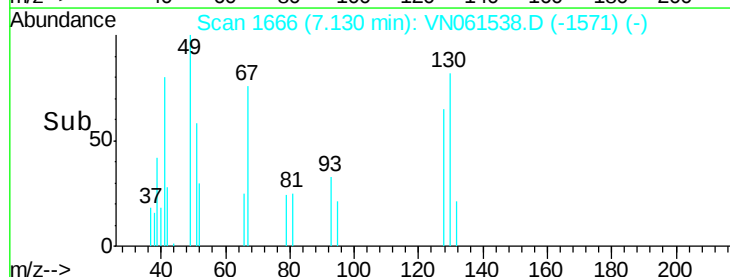
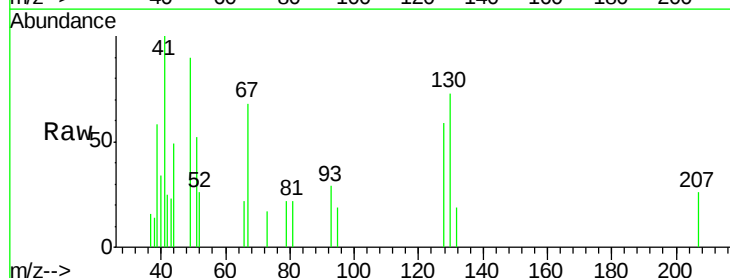
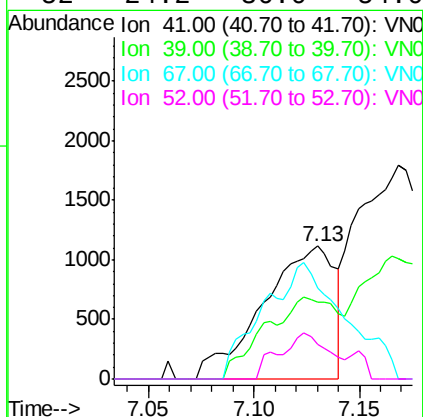
Ion Ratio Lower Upper

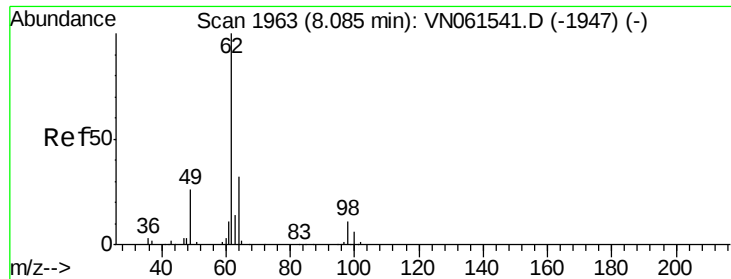
41 100

39 62.9 53.8 80.6

67 99.6 91.1 136.7

52 24.2 36.0 54.0#





#42

1,2-Dichloroethane

Concen: 0.969 ug/l

RT: 8.08 min Scan# 1962

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 6686

Ion Ratio Lower Upper

62 100

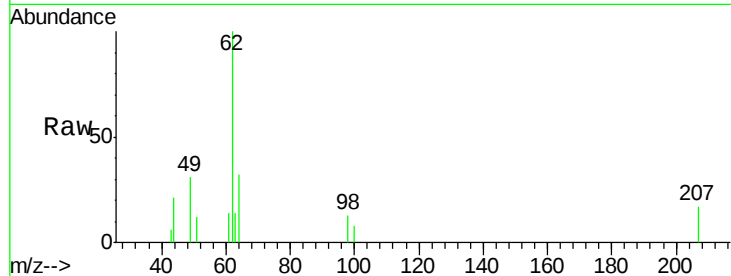
98 10.6 0.0 21.4

Manual Integrations

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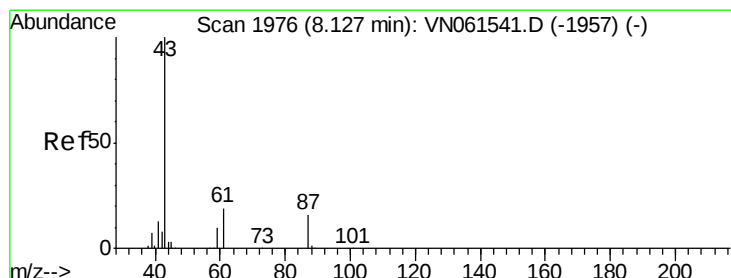
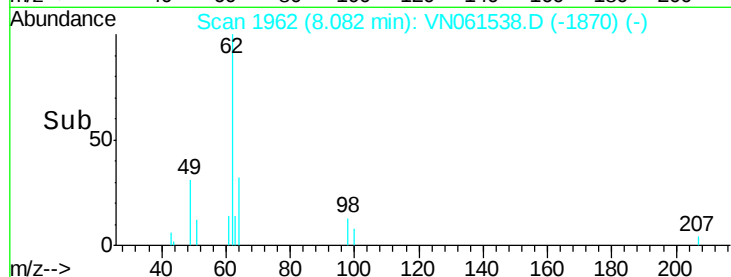
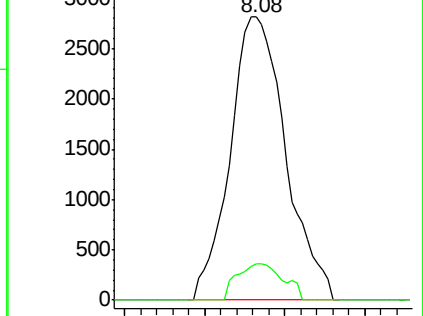
MMDadoda

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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 0.897 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

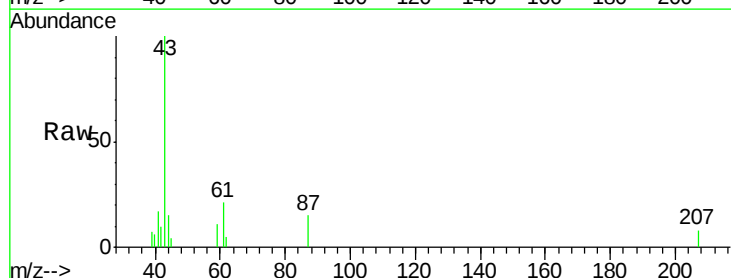
Tgt Ion: 43 Resp: 9009

Ion Ratio Lower Upper

43 100

61 17.6 23.6 35.4#

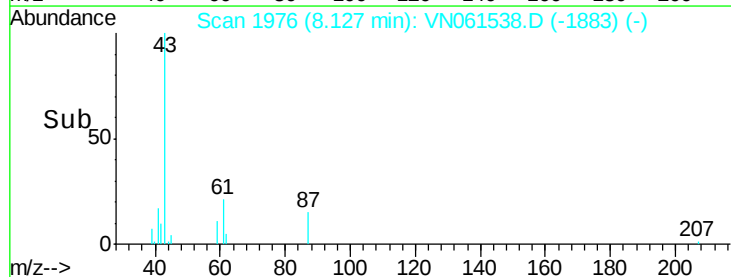
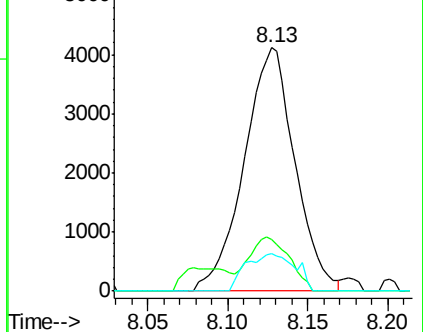
87 14.9 13.0 19.6

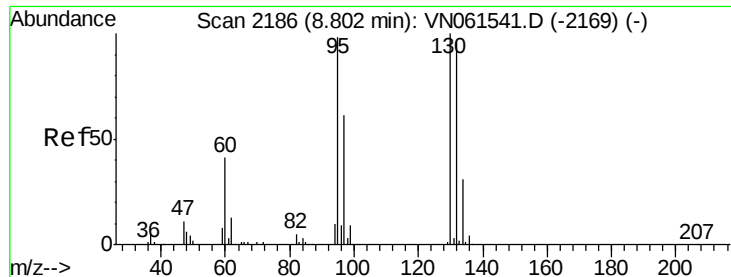


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





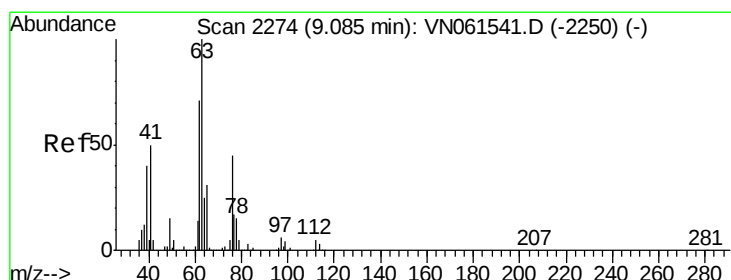
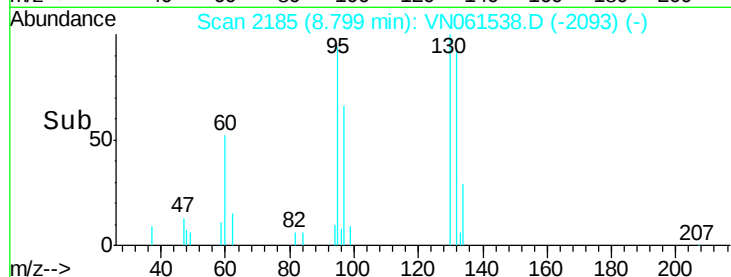
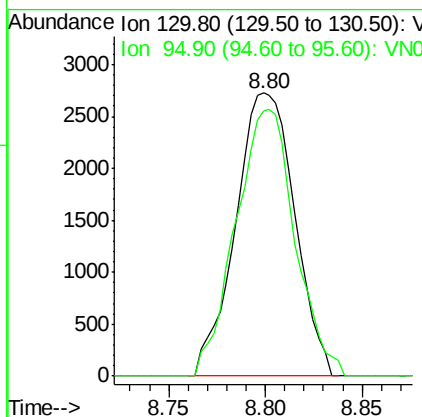
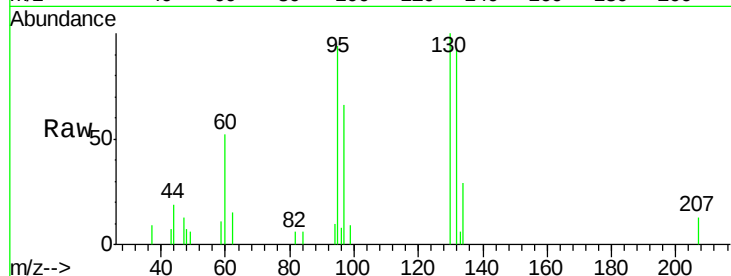
#44
 Trichloroethene
 Concen: 1.104 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		5781		
95	93.6	0.0	196.6		

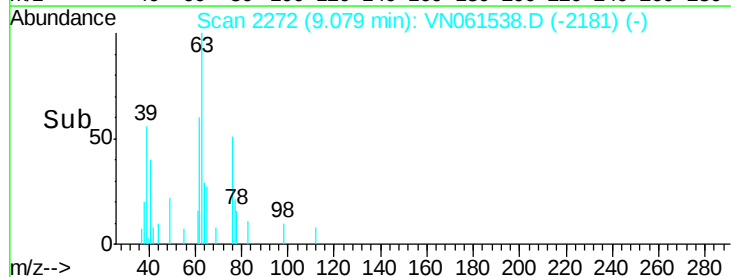
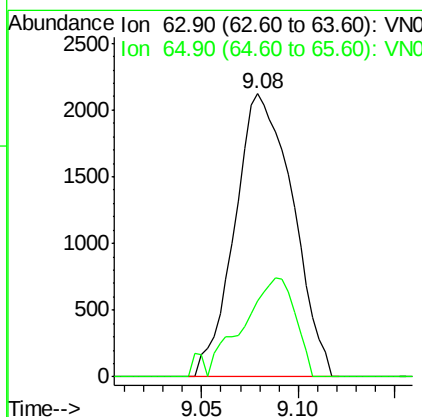
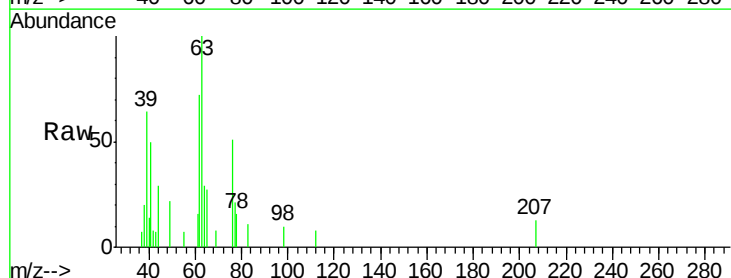
Manual Integrations
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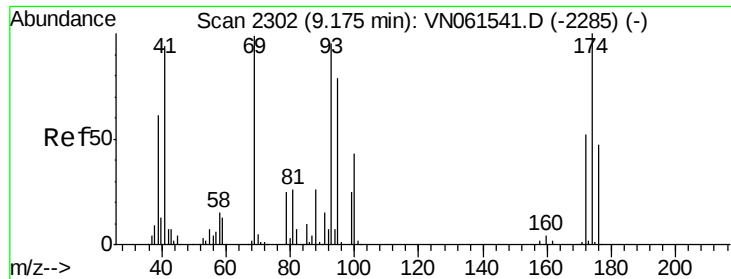
MMDadoda
 5/29/2020 5:46:44 PM



#45
 1,2-Dichloropropane
 Concen: 0.920 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
63	100		4422		
65	26.8	24.7	37.1		





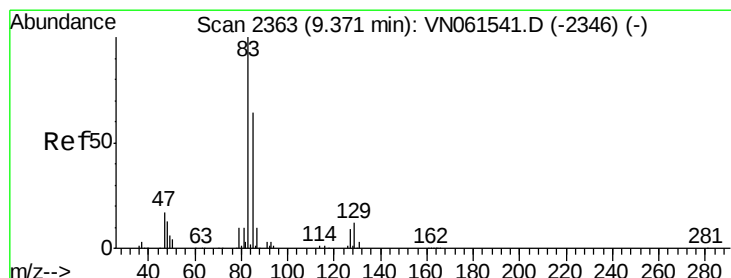
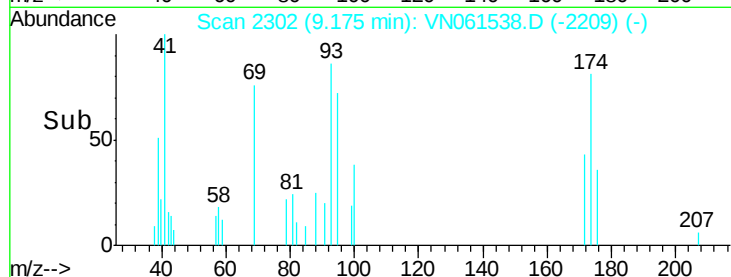
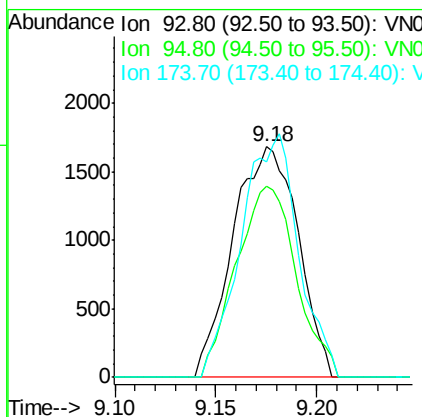
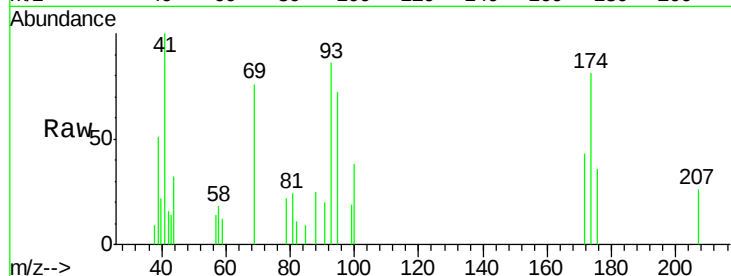
#46
Dibromomethane
Concen: 1.108 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	76.7	66.0	99.0
174	93.2	82.5	123.7

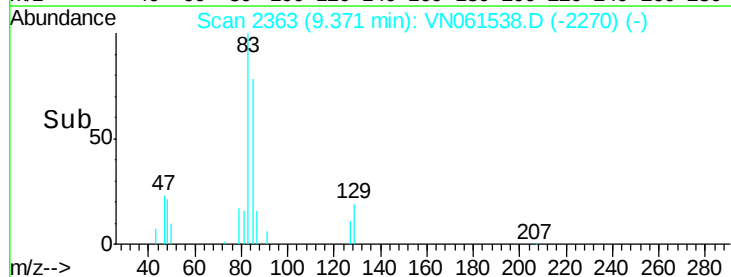
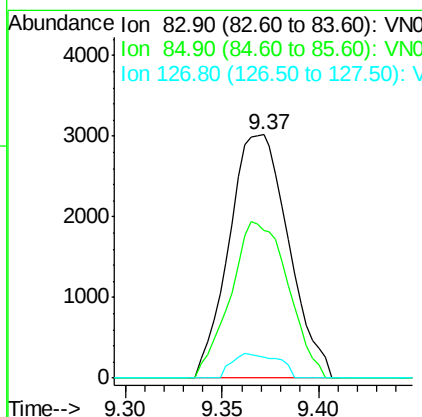
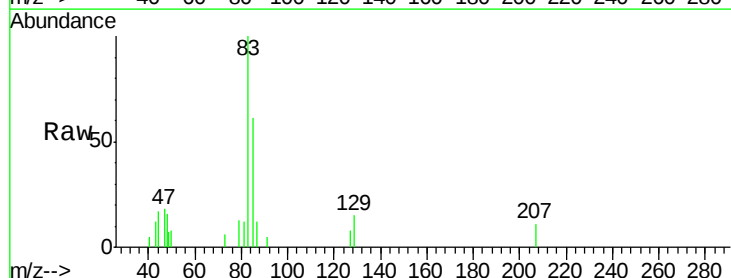
Manual Integrations
APPROVED

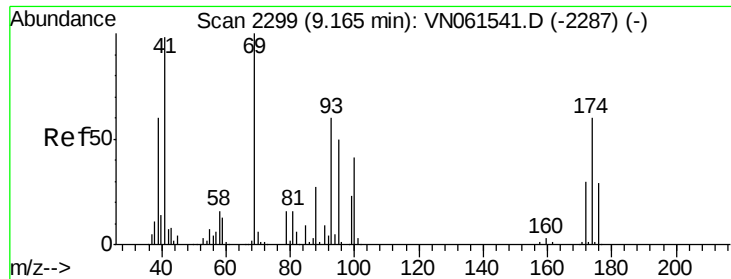
MMDadoda
5/29/2020 5:46:44 PM



#47
Bromodichloromethane
Concen: 0.905 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.1	76.7
127	8.3	7.2	10.8





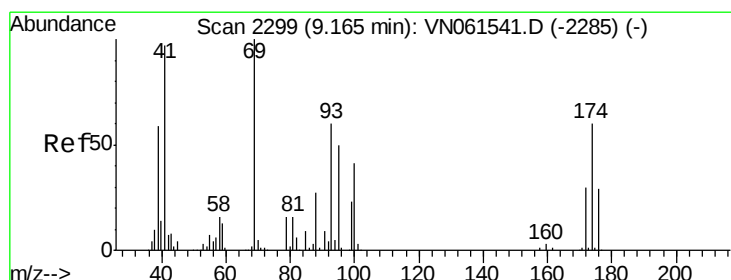
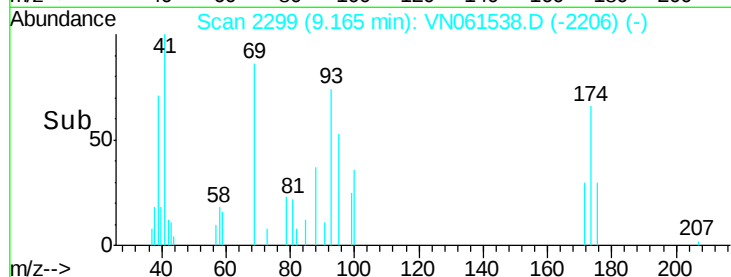
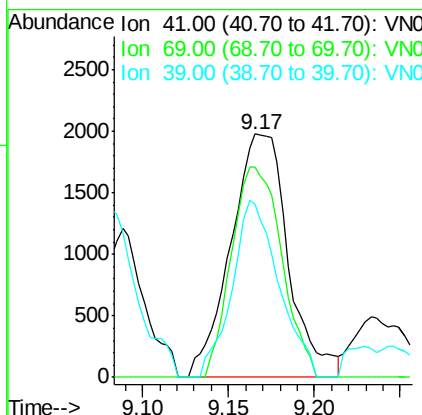
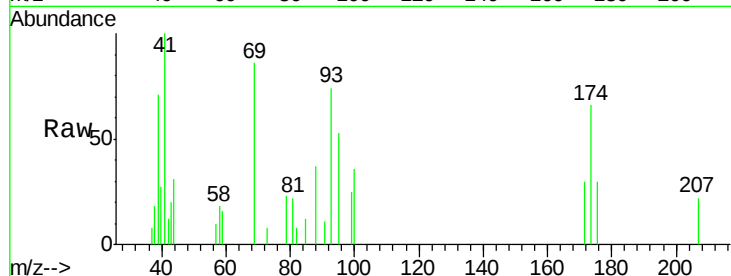
#48
Methvl methacrylate
Concen: 0.997 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	75.4	83.9	125.9#
39	59.0	52.1	78.1

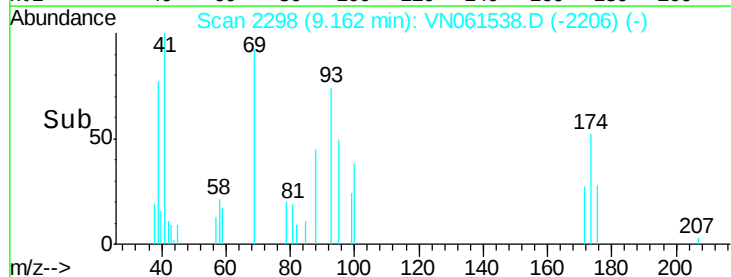
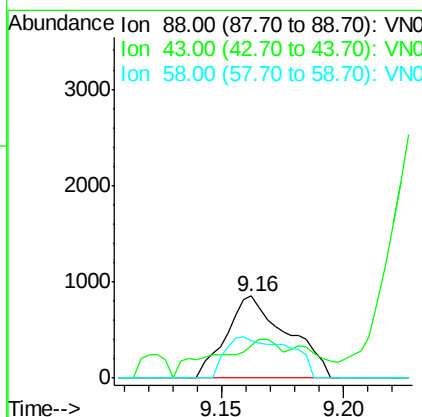
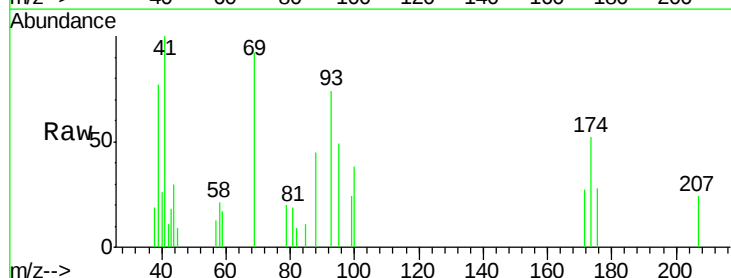
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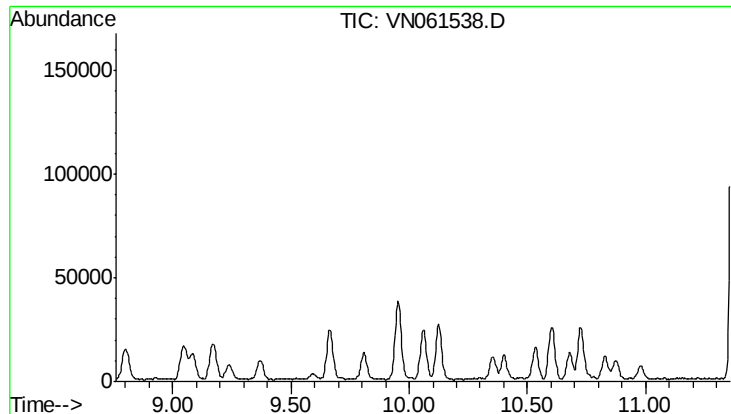
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#49
1,4-Dioxane
Concen: 25.530 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
88	100		
43	49.7	23.1	34.7#
58	52.9	48.3	72.5





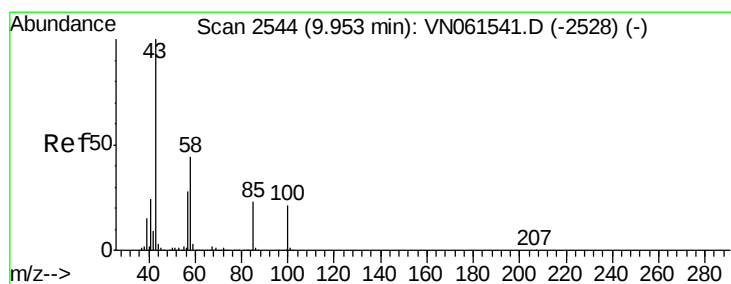
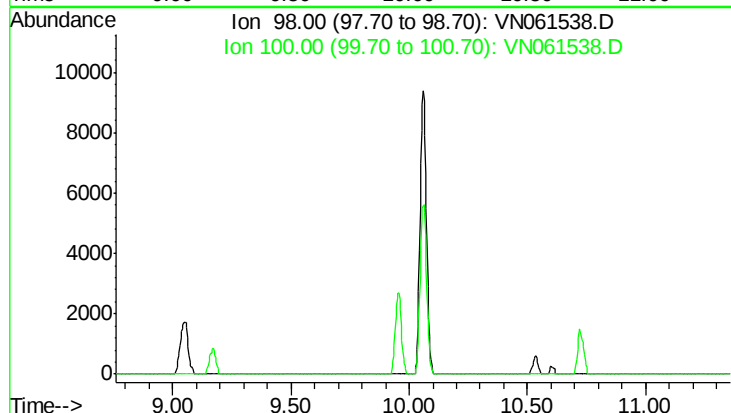
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.06 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 66.0

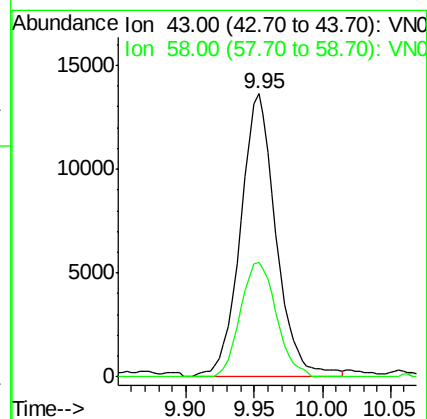
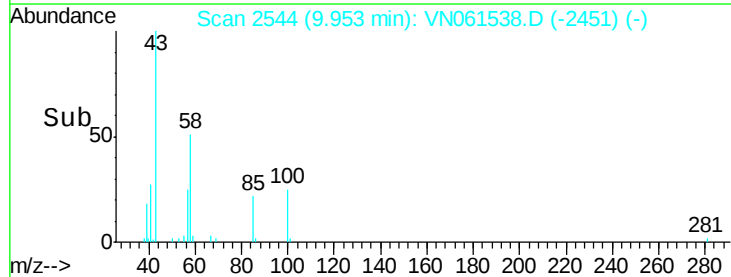
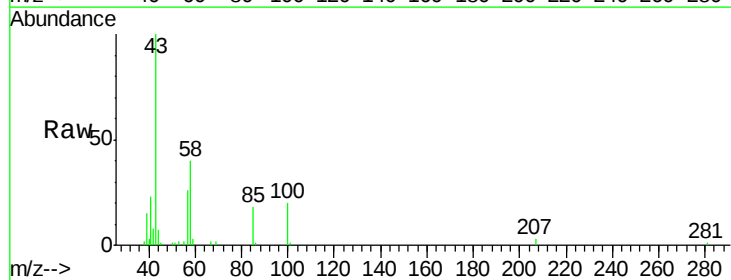
Manual Integrations
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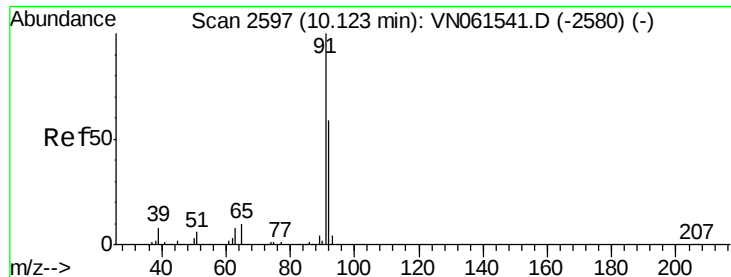
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#51
4-Methyl-2-Pentanone
Concen: 4.504 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 43 Resp: 24680
Ion Ratio Lower Upper
43 100
58 40.8 35.0 52.6





#52

Toluene

Concen: 0.972 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 12126

Ion Ratio Lower Upper

92 100

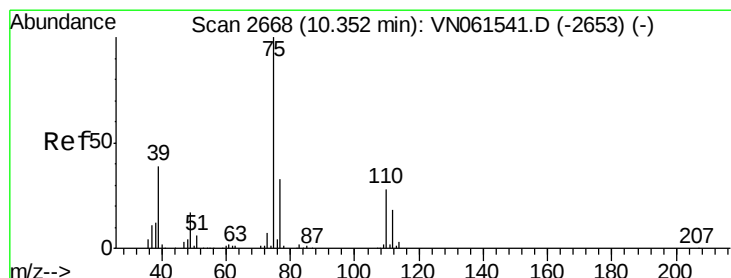
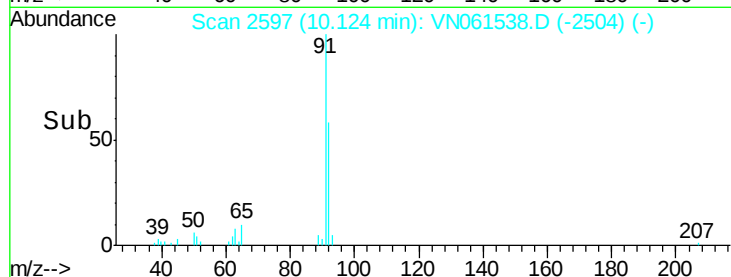
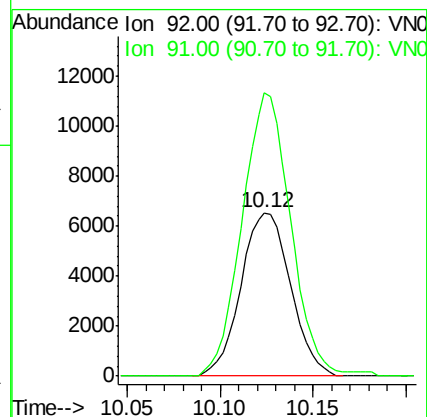
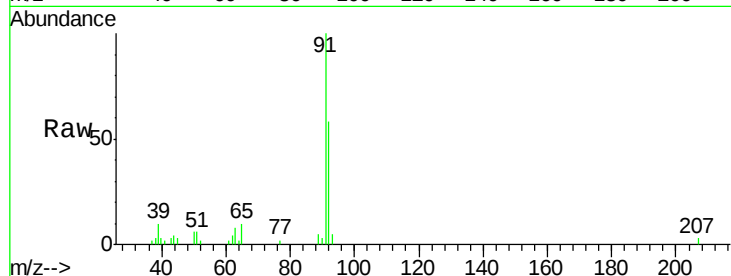
91 169.0 136.4 204.6

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#53

t-1,3-Dichloropropene

Concen: 0.908 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. 0.00 min

Lab File: VN061538.D

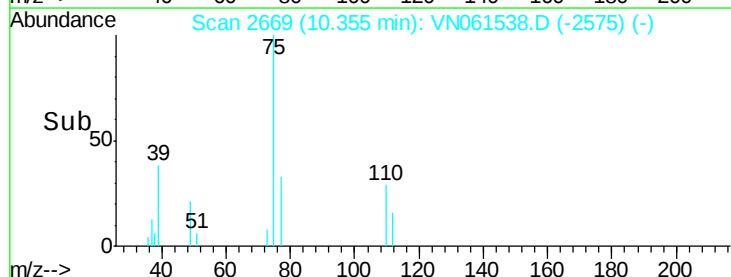
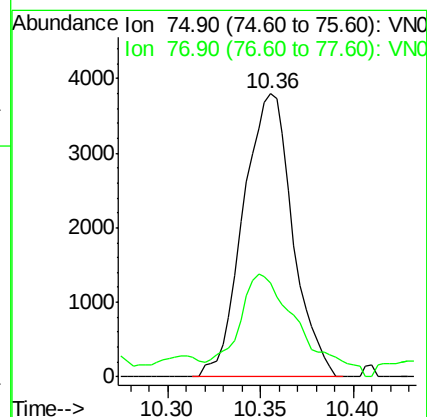
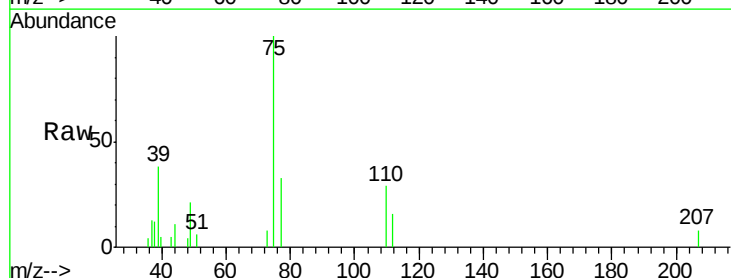
Acq: 28 May 2020 17:45

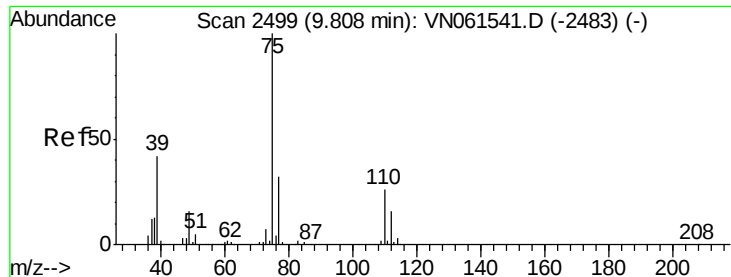
Tgt Ion: 75 Resp: 7062

Ion Ratio Lower Upper

75 100

77 27.4 26.2 39.4





#54

cis-1,3-Dichloropropene

Concen: 0.926 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

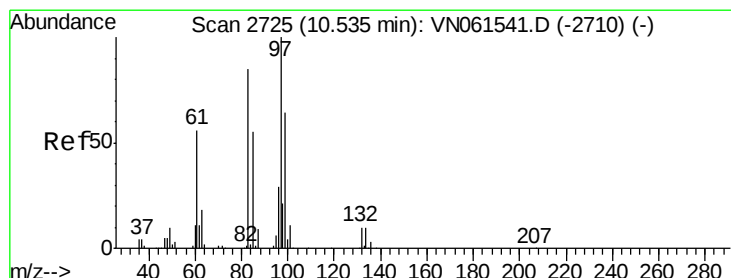
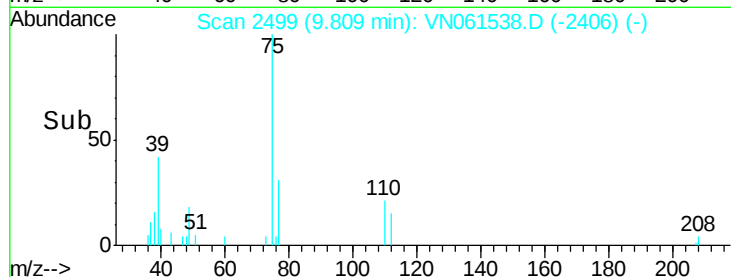
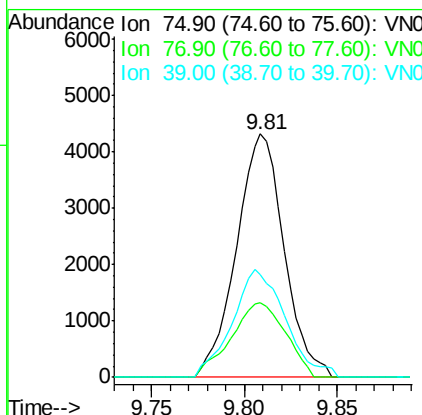
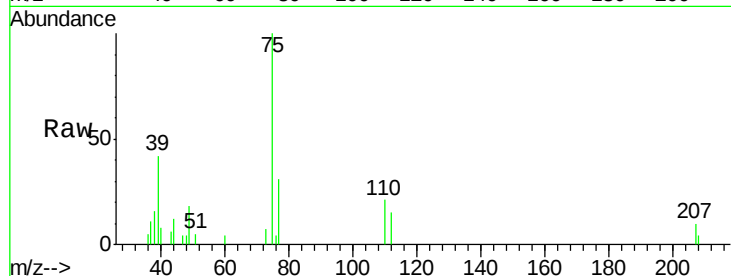
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	7698
Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.2
39	42.2	33.8	50.6

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#55

1,1,2-Trichloroethane

Concen: 1.055 ug/l

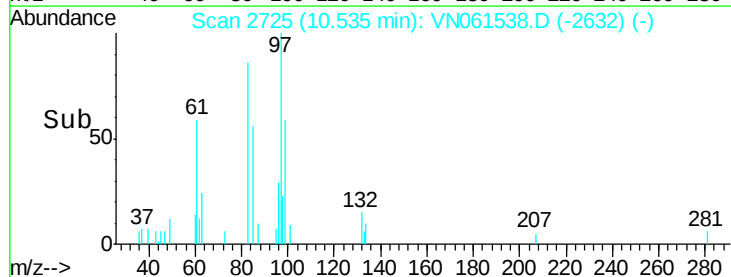
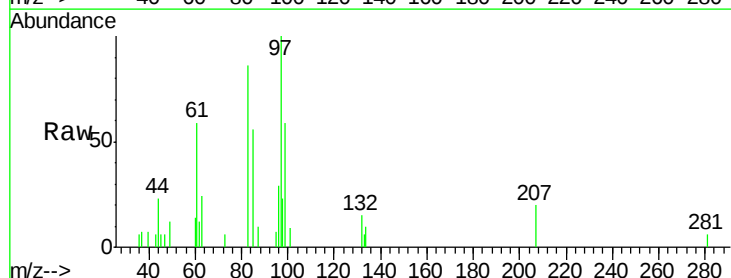
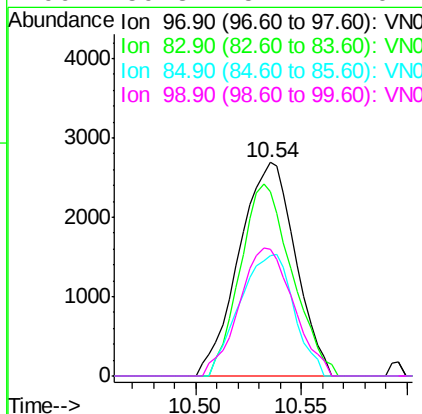
RT: 10.54 min Scan# 2725

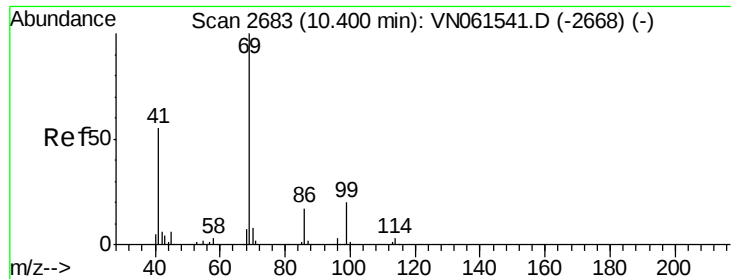
Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion:	97	Resp:	4990
Ion	Ratio	Lower	Upper
97	100		
83	86.2	68.1	102.1
85	56.4	44.1	66.1
99	59.3	51.1	76.7





#56

Ethyl methacrylate

Concen: 0.848 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

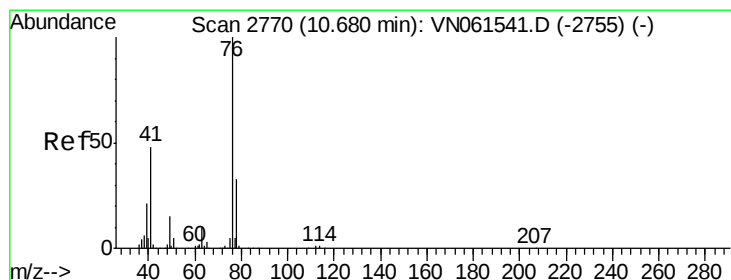
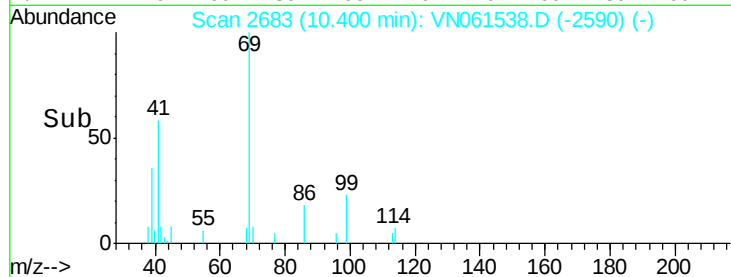
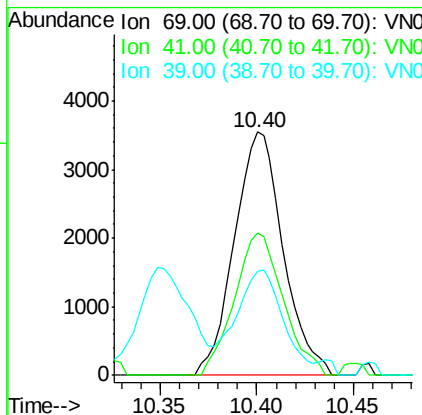
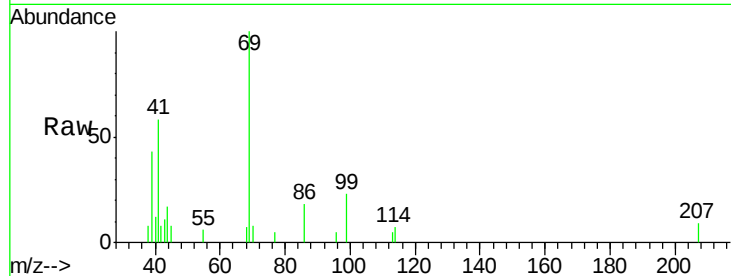
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	6198
Ion	Ratio	Lower	Upper
69	100		
41	58.6	43.5	65.3
39	35.6	27.0	40.6

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#57

1,3-Dichloropropane

Concen: 0.978 ug/l

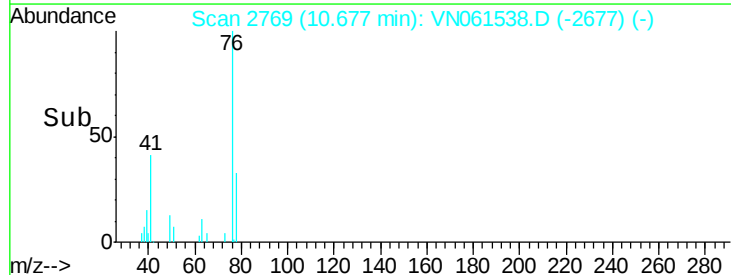
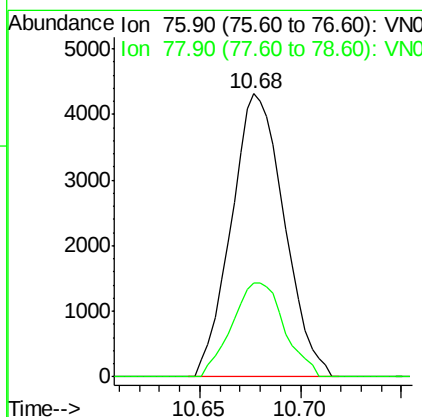
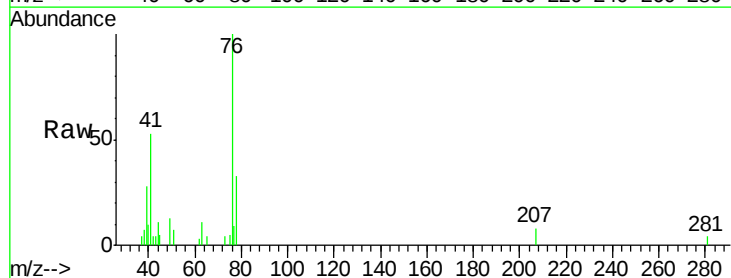
RT: 10.68 min Scan# 2769

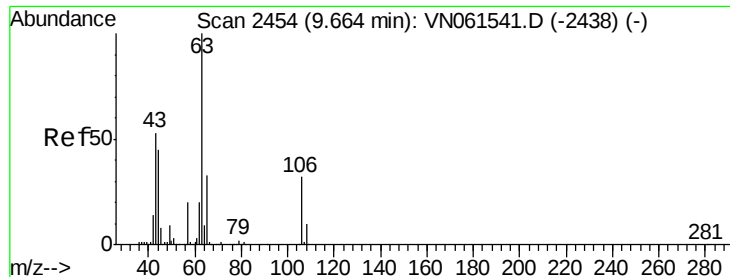
Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion:	76	Resp:	7915
Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.3	39.5





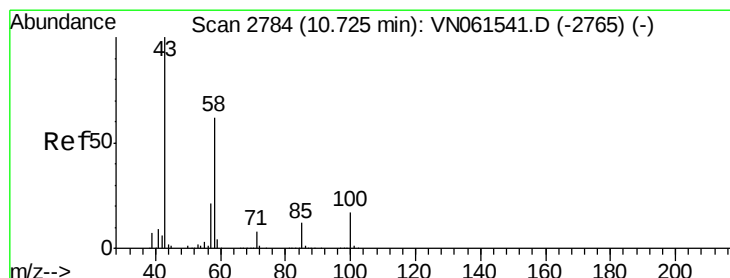
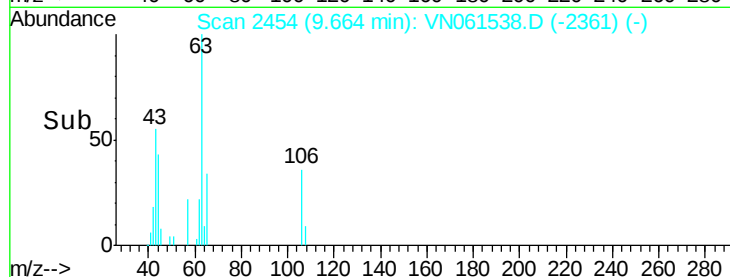
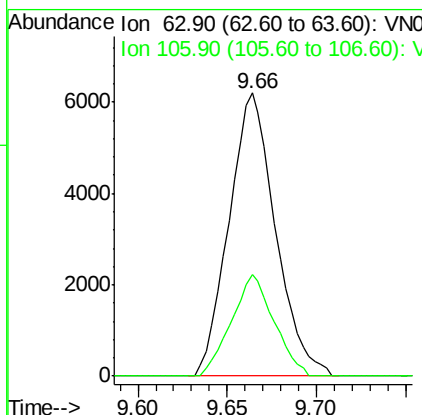
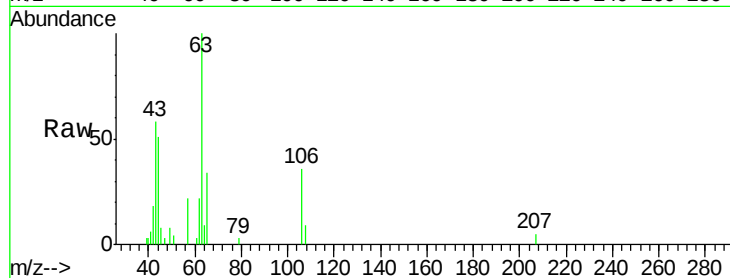
#58
2-Chloroethyl Vinyl ether
Concen: 3.512 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 63 Resp: 11257
Ion Ratio Lower Upper
63 100
106 32.7 25.9 38.9

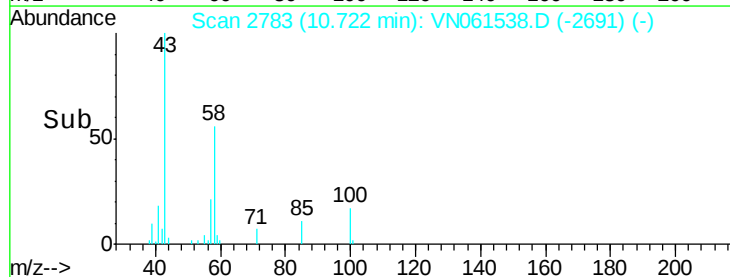
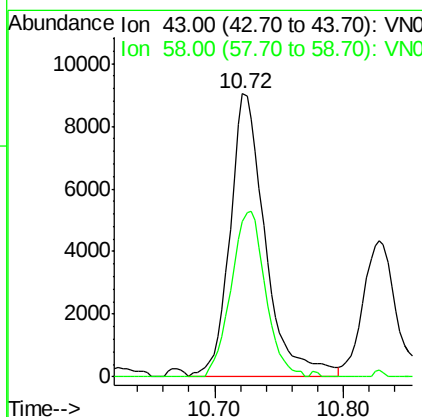
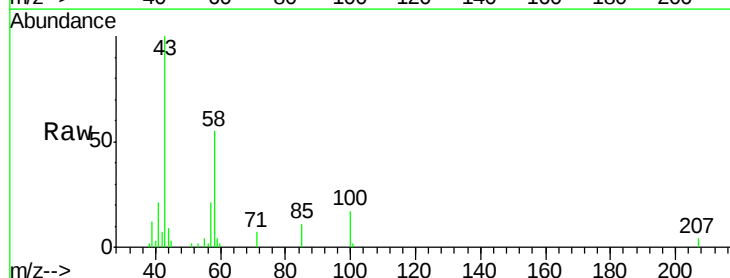
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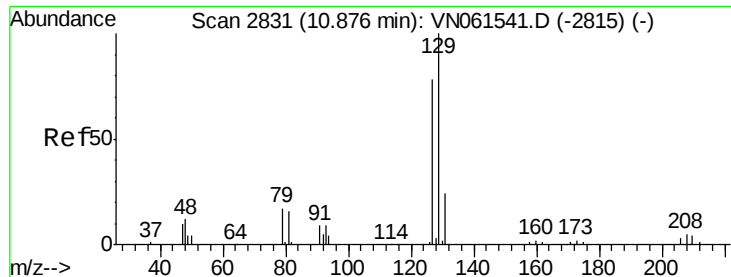
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#59
2-Hexanone
Concen: 4.346 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion: 43 Resp: 17217
Ion Ratio Lower Upper
43 100
58 56.5 30.7 92.1





#60

Dibromochloromethane

Concen: 0.946 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4988

Ion Ratio Lower Upper

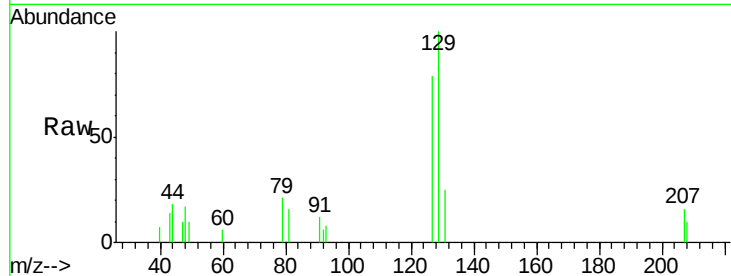
129 100

127 73.5 38.8 116.3

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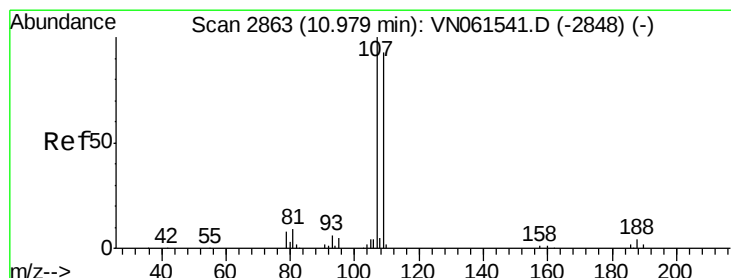
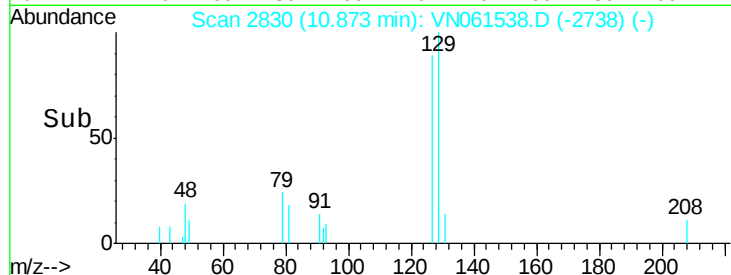
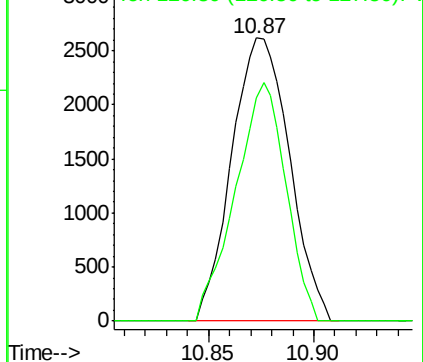
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.969 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061538.D

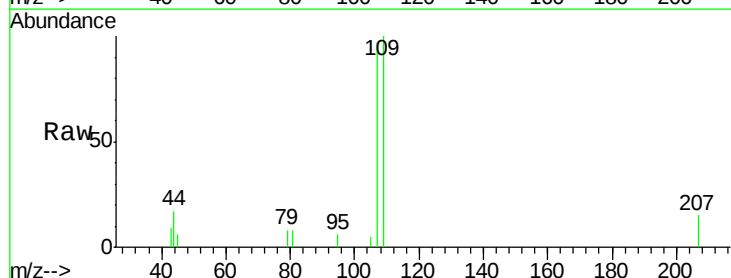
Acq: 28 May 2020 17:45

Tgt Ion:107 Resp: 4833

Ion Ratio Lower Upper

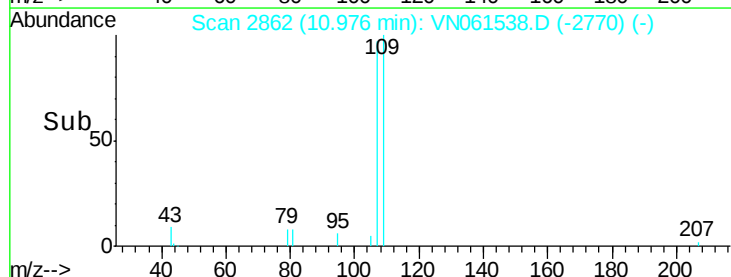
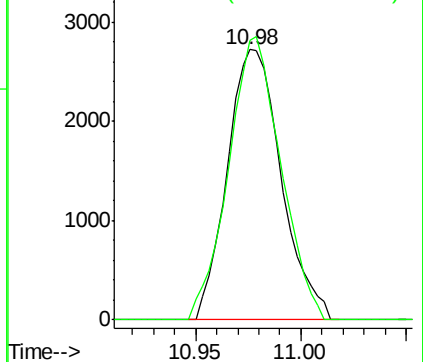
107 100

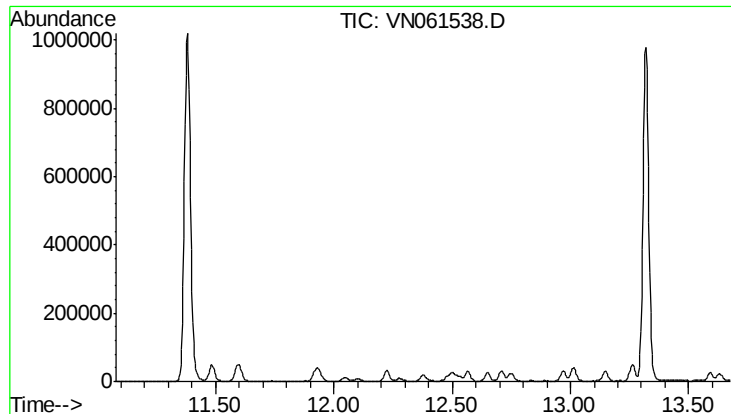
109 101.4 76.1 114.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





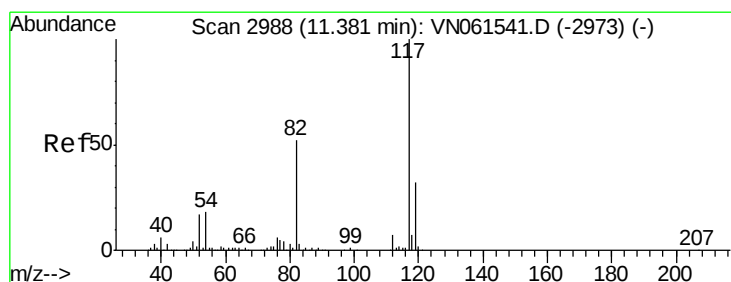
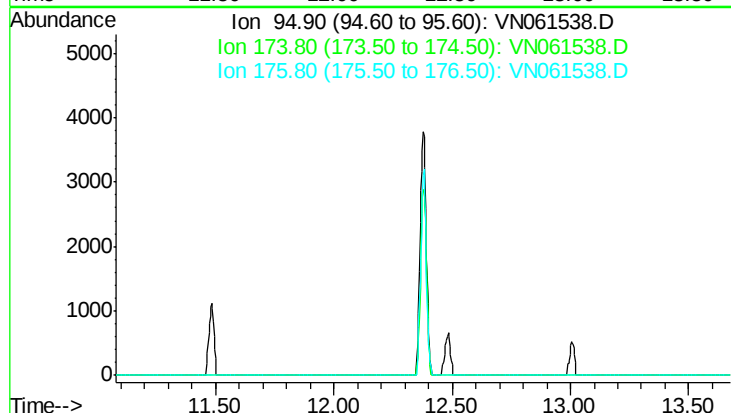
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.38 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	86.4
176	82.4

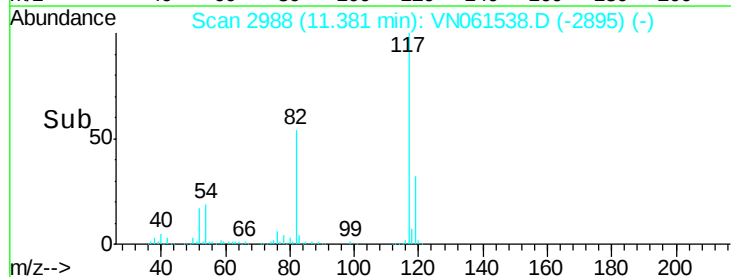
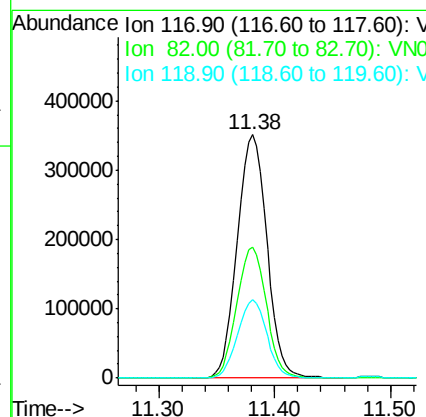
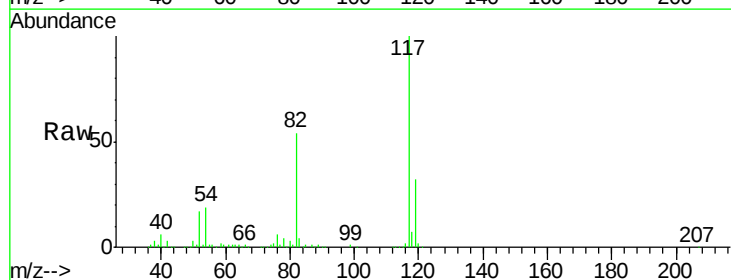
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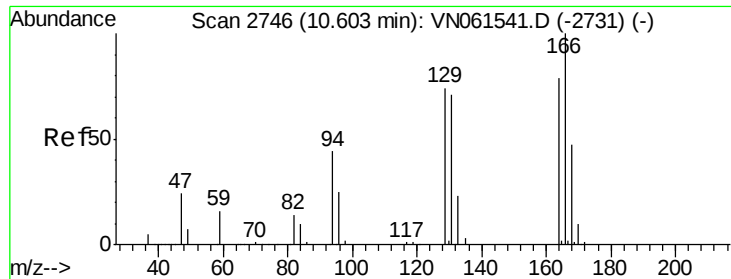
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	117	Resp	624291
Ion Ratio	Lower	Upper	
117	100		
82	53.7	41.5	62.3
119	32.2	25.6	38.4





#64

Tetrachloroethene

Concen: 1.190 ug/l

RT: 10.60 min Scan# 2745

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5926

Ion Ratio Lower Upper

164 100

166 113.5 101.5 152.3

129 98.1 74.9 112.3

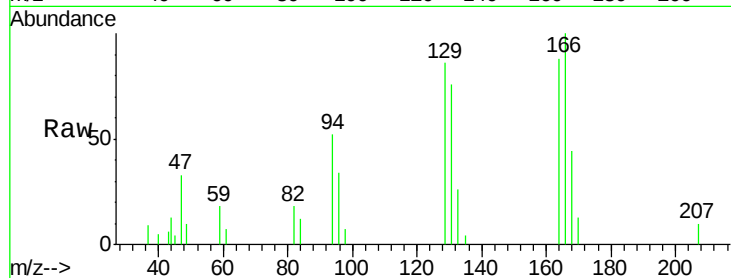
131 86.6 72.2 108.2

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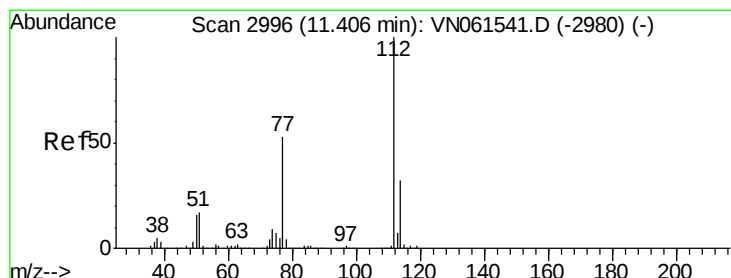
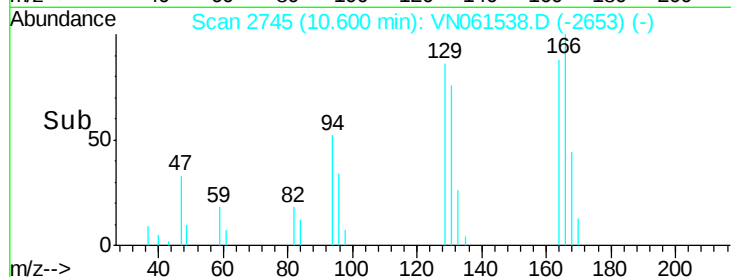
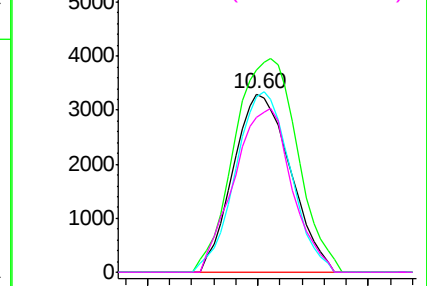


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.017 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061538.D

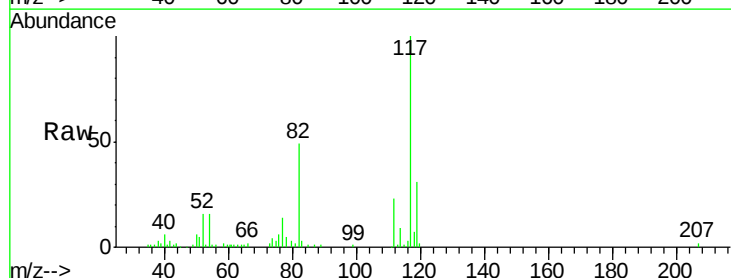
Acq: 28 May 2020 17:45

Tgt Ion:112 Resp: 12911

Ion Ratio Lower Upper

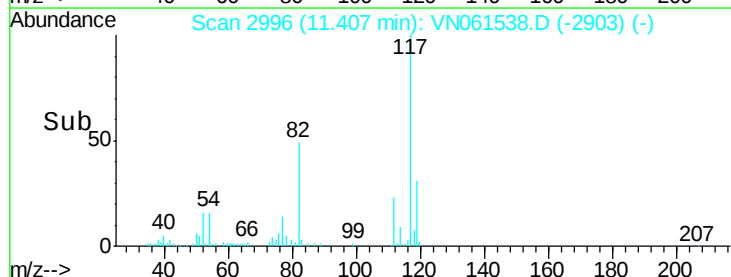
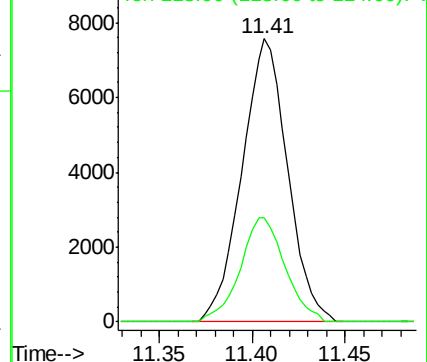
112 100

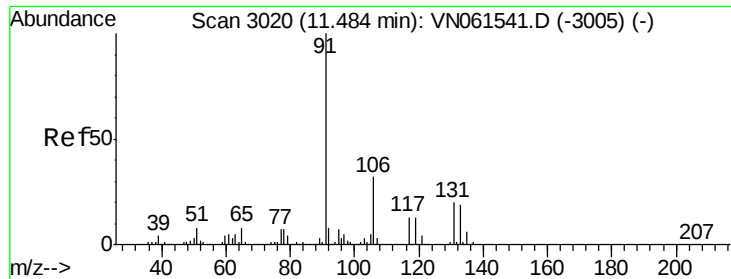
114 36.7 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.056 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

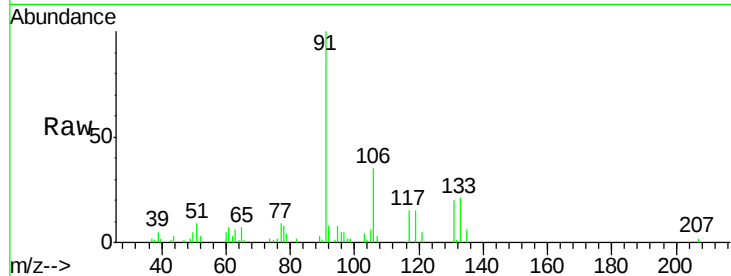
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	101.4	47.4	142.2
119	0.0	32.6	97.8#

Manual Integrations
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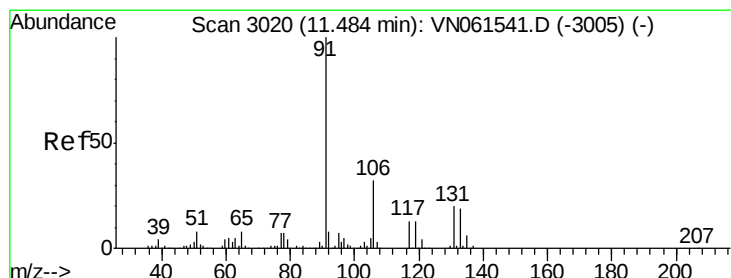
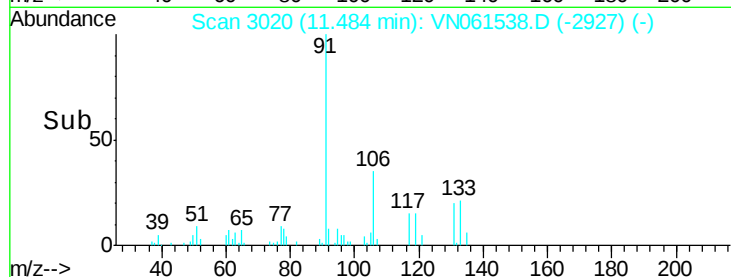
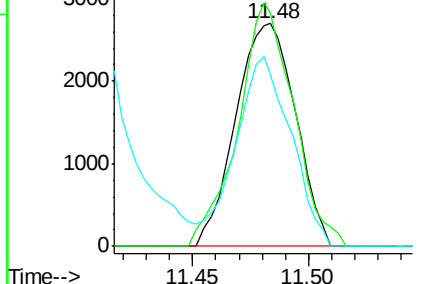
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.978 ug/l

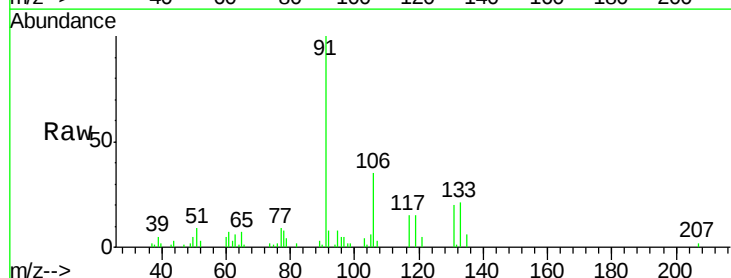
RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061538.D

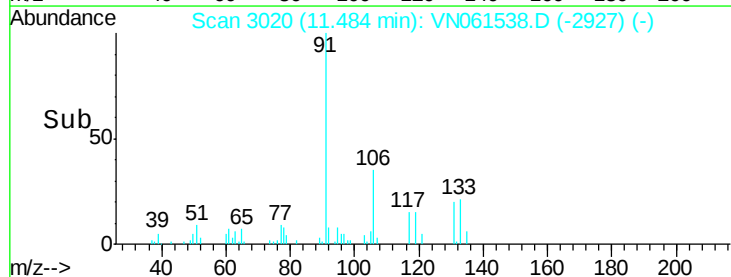
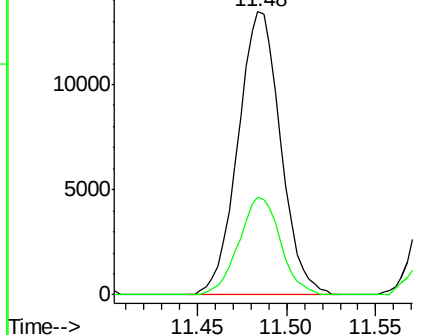
Acq: 28 May 2020 17:45

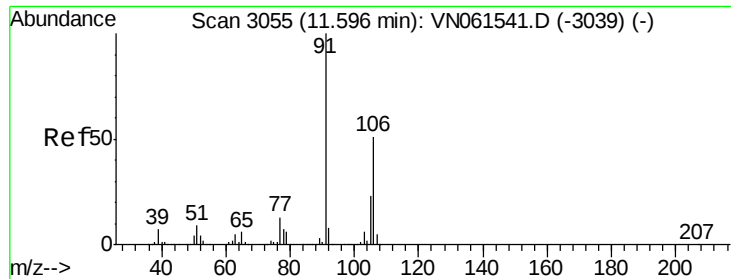
Tgt Ion	Ratio	Lower	Upper
91	100		
106	34.6	25.6	38.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.951 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 17070

Ion Ratio Lower Upper

106 100

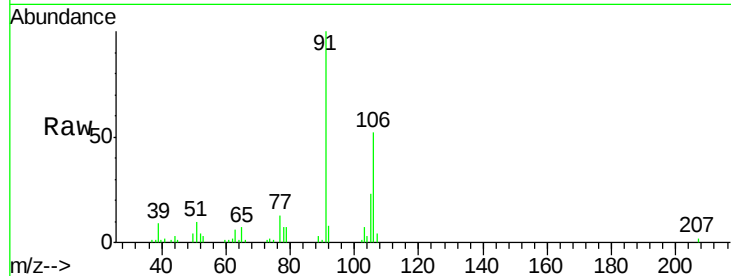
91 197.9 156.2 234.4

Manual Integrations

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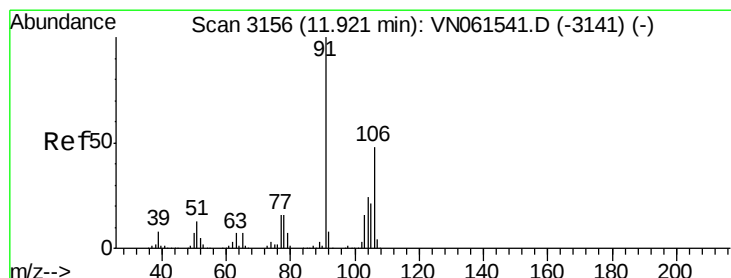
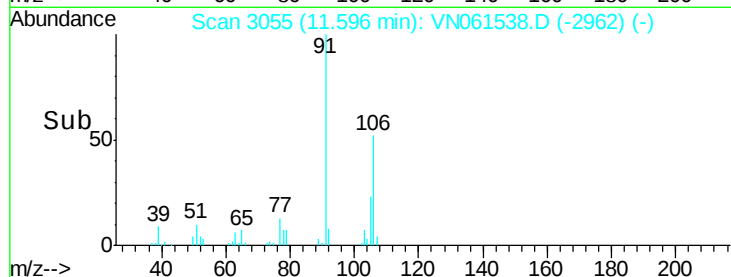
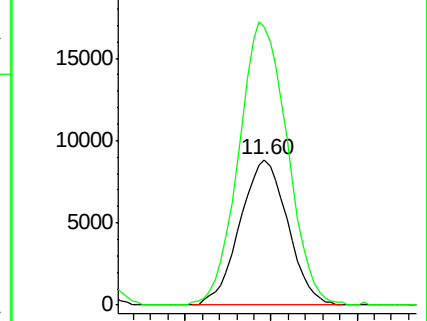
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#69

o-Xylene

Concen: 0.925 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN061538.D

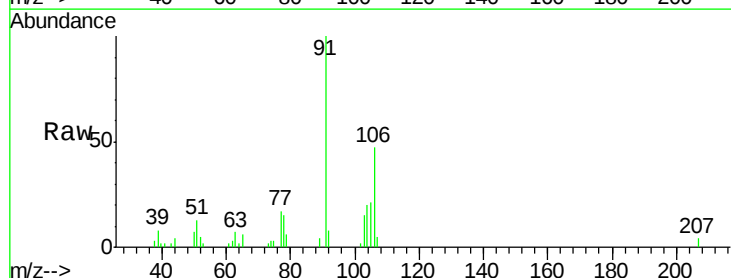
Acq: 28 May 2020 17:45

Tgt Ion:106 Resp: 7829

Ion Ratio Lower Upper

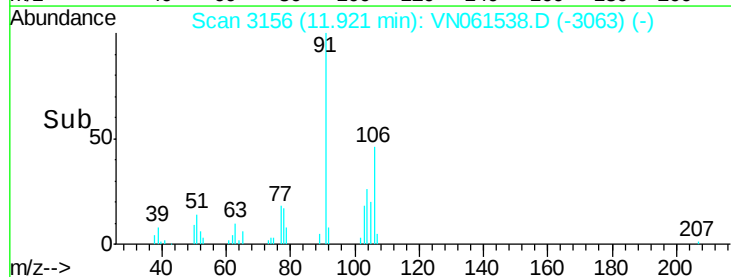
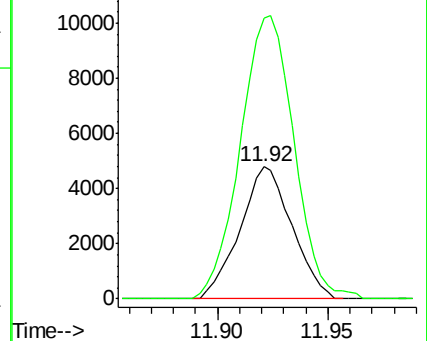
106 100

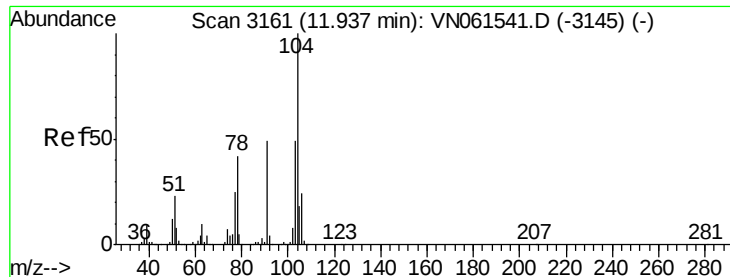
91 221.7 103.3 309.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





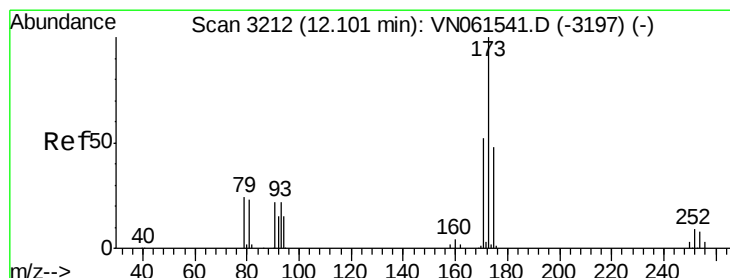
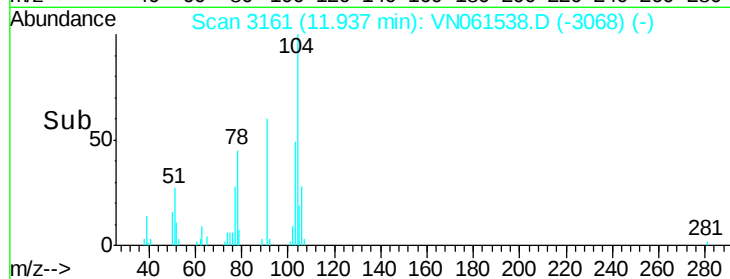
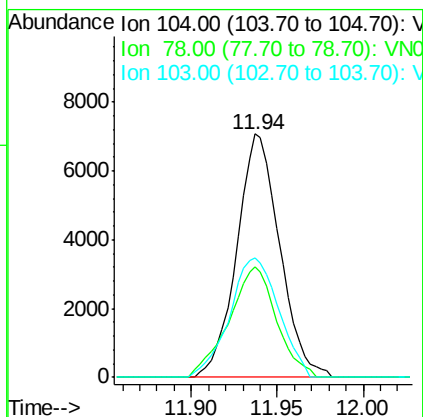
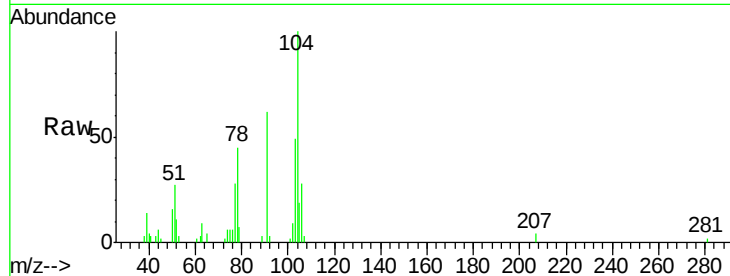
#70
Stvrene
Concen: 0.878 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.0	37.4	56.0
103	56.1	42.3	63.5

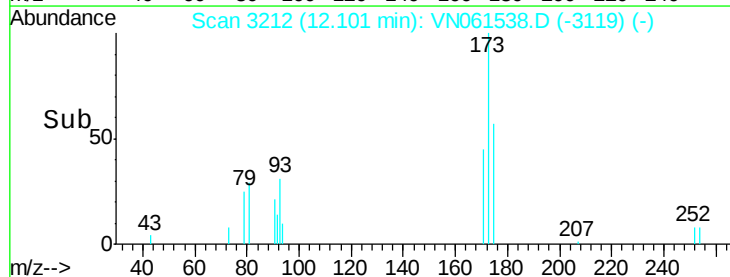
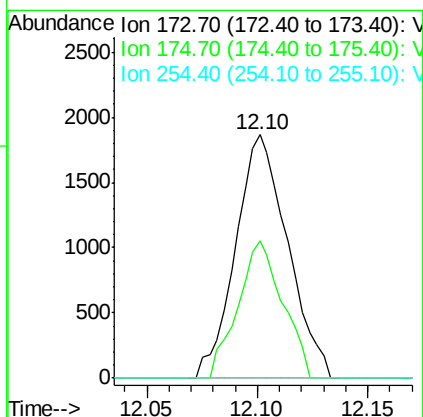
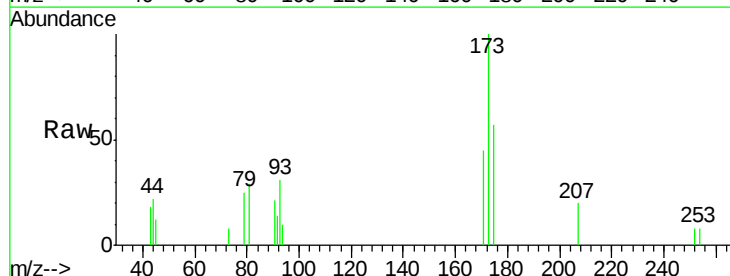
Manual Integrations
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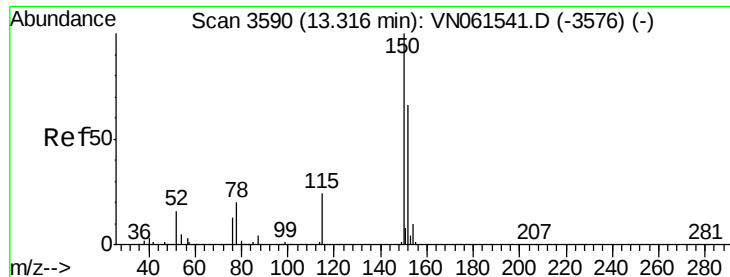
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#71
Bromoform
Concen: 0.929 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:152 Resp: 274006

Ion Ratio Lower Upper

152 100

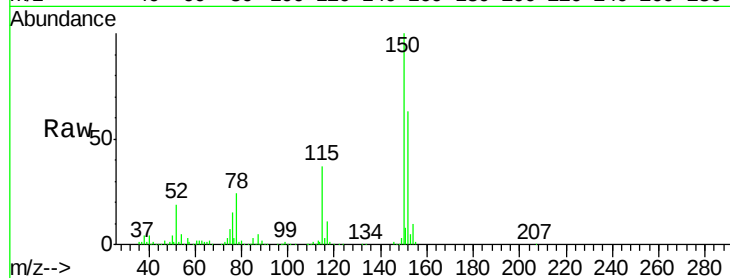
115 58.0 28.0 84.0

150 156.9 0.0 344.0

Manual Integrations
APPROVED

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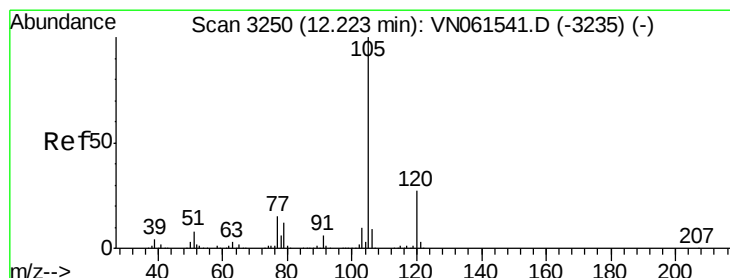
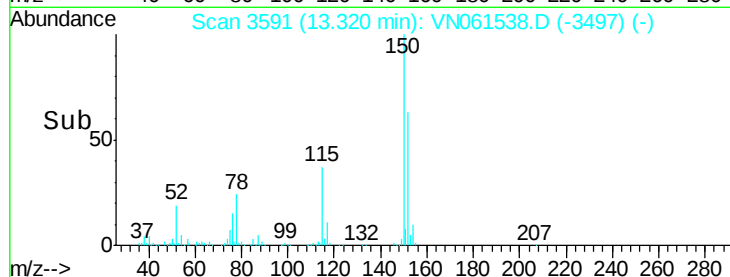
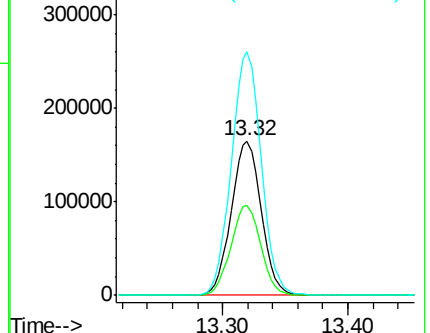
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.976 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061538.D

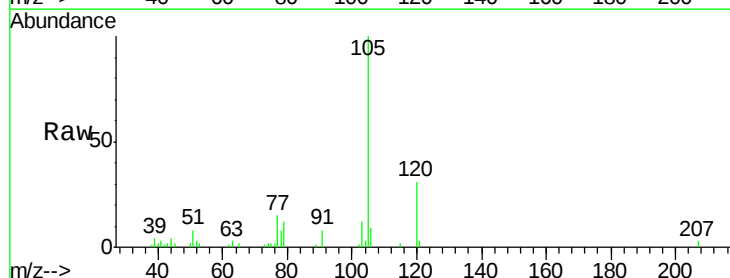
Acq: 28 May 2020 17:45

Tgt Ion:105 Resp: 21007

Ion Ratio Lower Upper

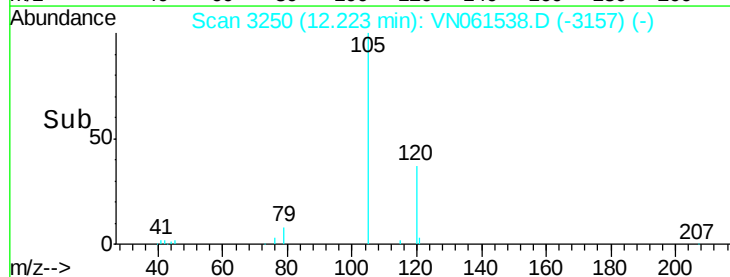
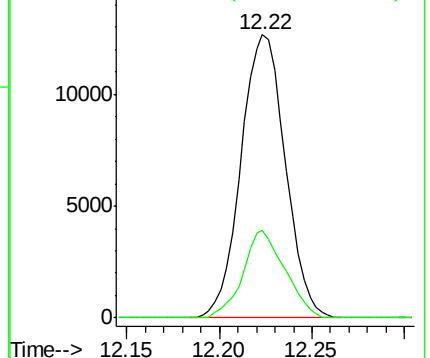
105 100

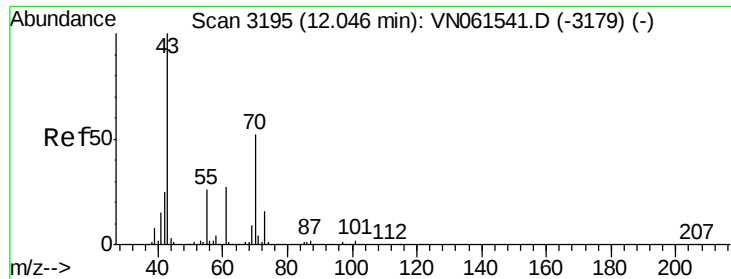
120 29.2 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.683 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

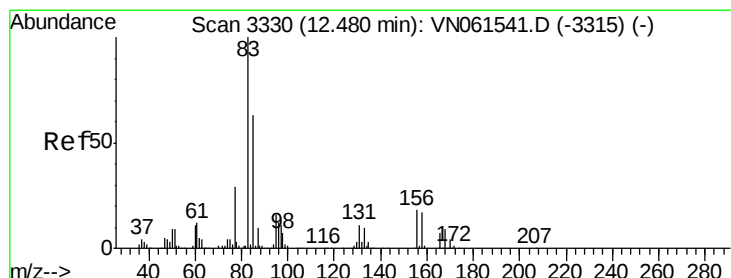
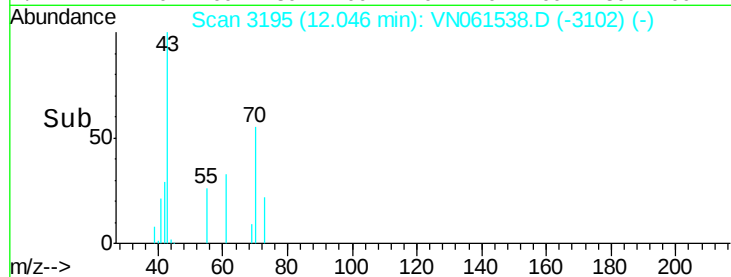
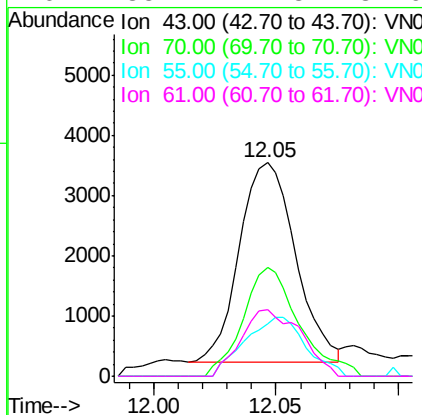
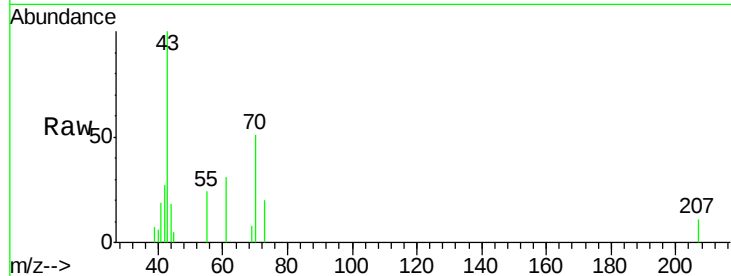
ClientSampled :

VSTDIC001

Tot Ion	43	Resp	5296
Ion	Ratio	Lower	Upper
43	100		
70	54.4	40.5	60.7
55	32.2	20.6	31.0
61	35.4	21.8	32.6

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.047 ug/l

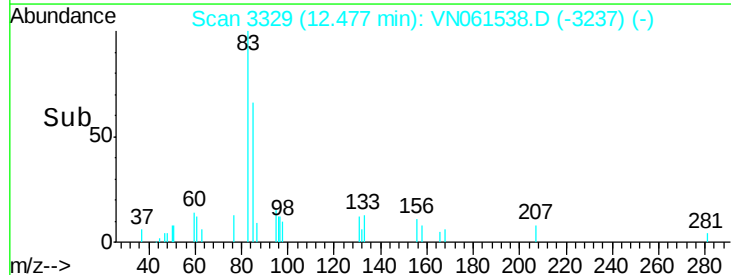
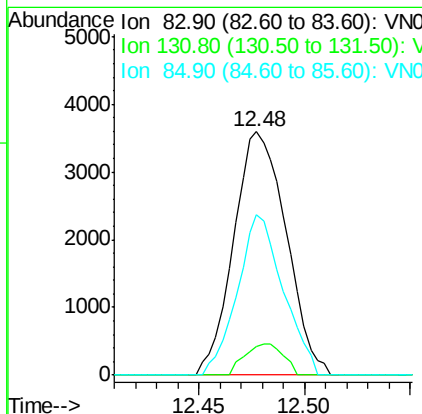
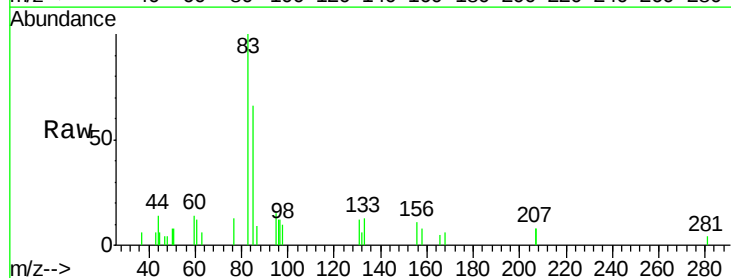
RT: 12.48 min Scan# 3329

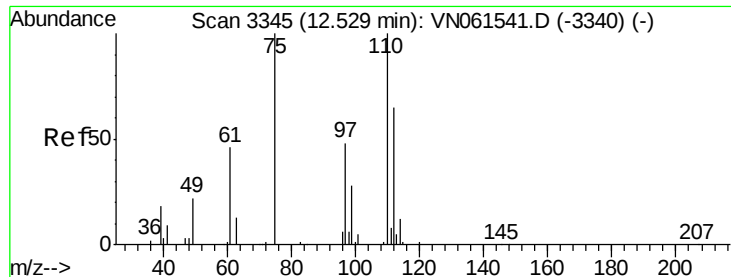
Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion	83	Resp	6209
Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.5	16.5
85	57.2	32.1	96.3





#76

1,2,3-Trichloropropane

Concen: 0.965 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 5504

Ion Ratio Lower Upper

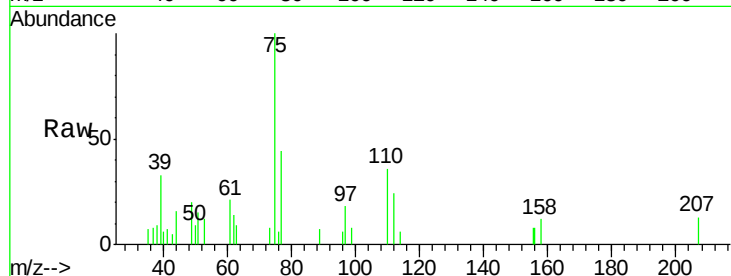
75 100

77 0.0 0.0 0.0

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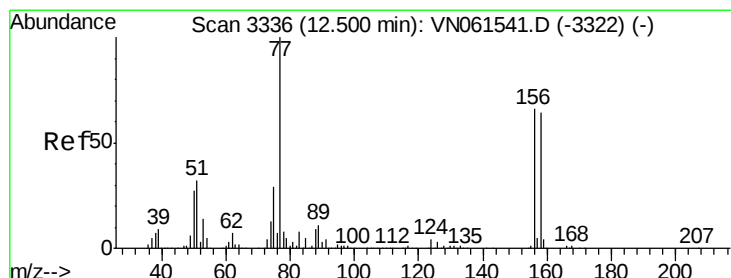
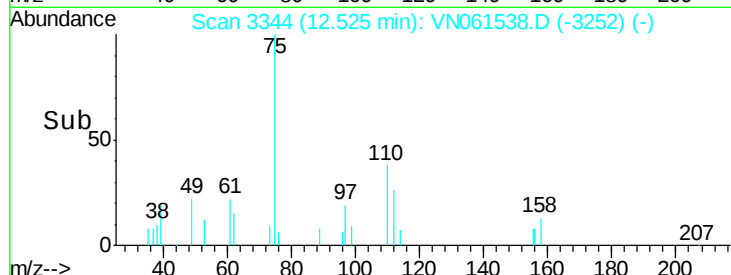
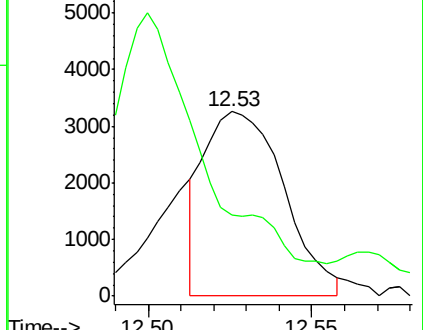
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Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

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



#77

Bromobenzene

Concen: 1.116 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

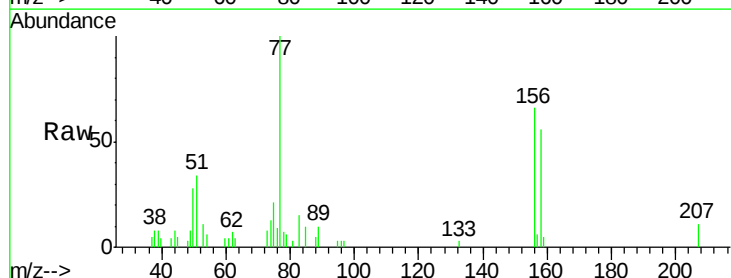
Tgt Ion: 156 Resp: 5355

Ion Ratio Lower Upper

156 100

77 196.7 90.9 272.7

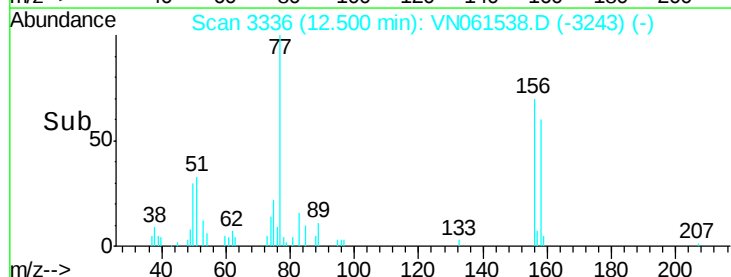
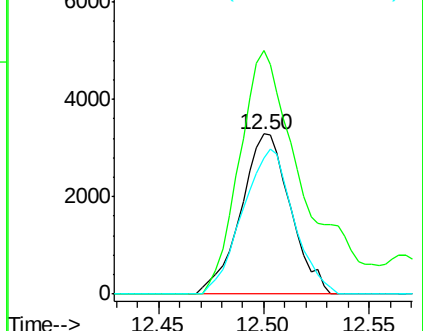
158 93.6 48.4 145.3

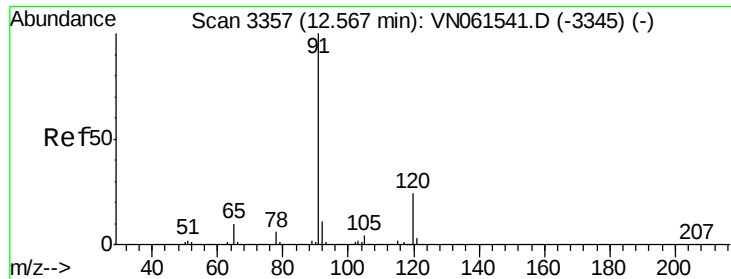


Abundance Ion 155.80 (155.50 to 156.50): VN061541.D (-3322) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3322) (-)

Ion 157.80 (157.50 to 158.50): VN061541.D (-3322) (-)





#78

n-propylbenzene

Concen: 0.994 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 24249

Ion Ratio Lower Upper

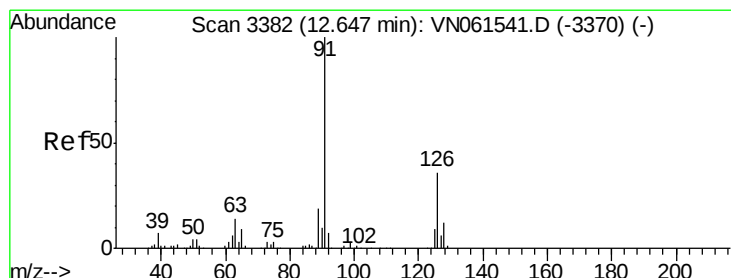
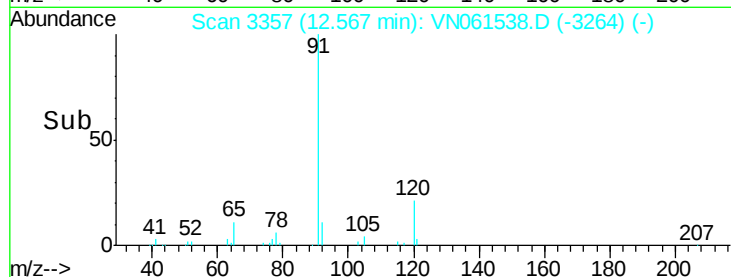
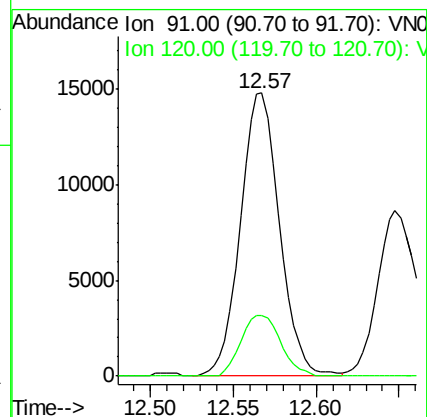
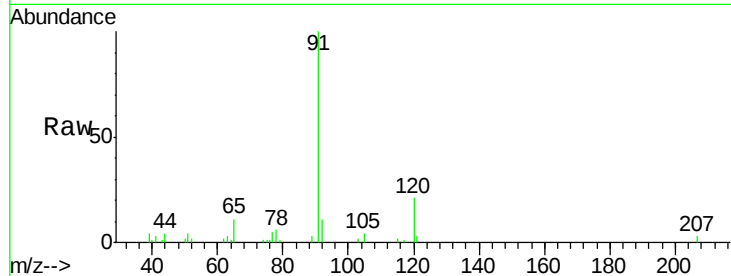
91 100

120 21.9 12.3 36.9

Manual Integrations
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#79

2-Chlorotoluene

Concen: 1.007 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061538.D

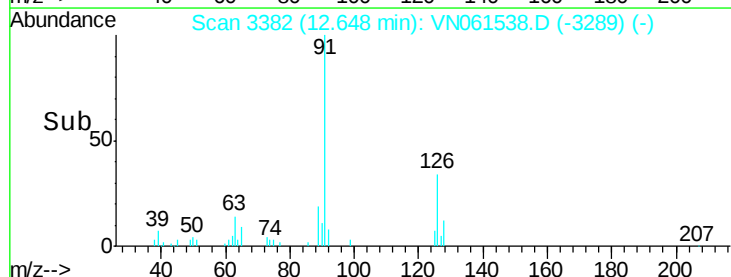
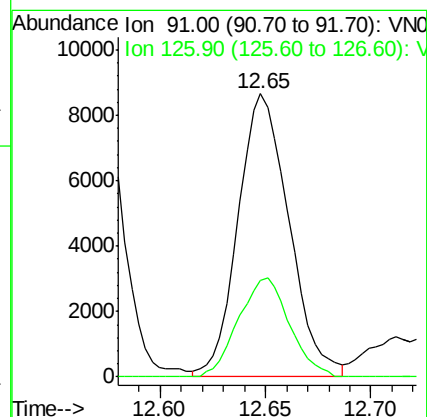
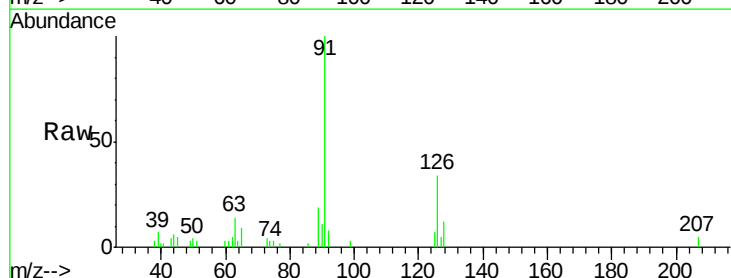
Acq: 28 May 2020 17:45

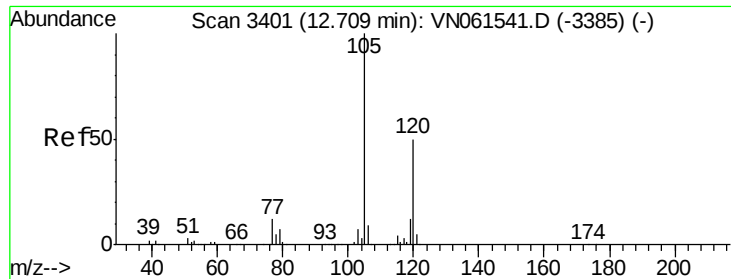
Tgt Ion: 91 Resp: 14569

Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.7





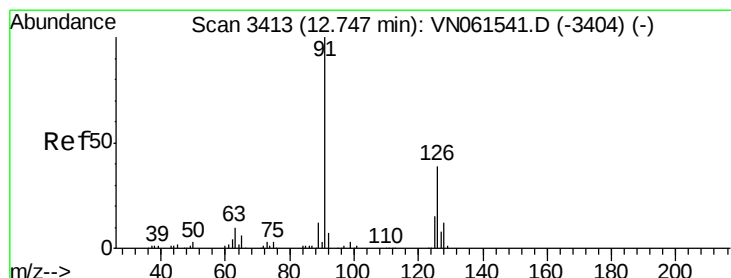
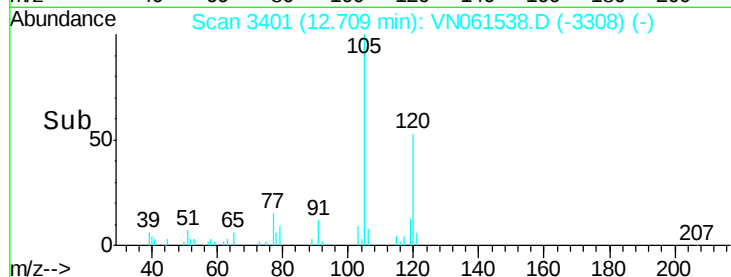
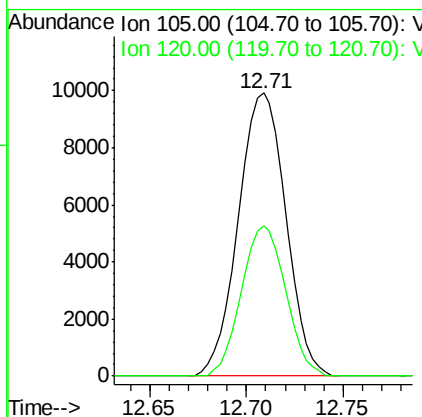
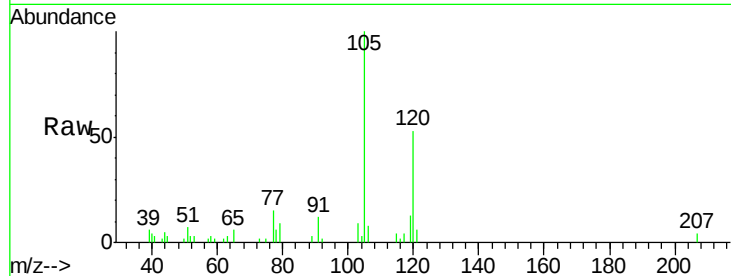
#80
 1,3,5-Trimethylbenzene
 Concen: 0.962 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 16979
 Ion Ratio Lower Upper
 105 100
 120 49.4 25.1 75.2

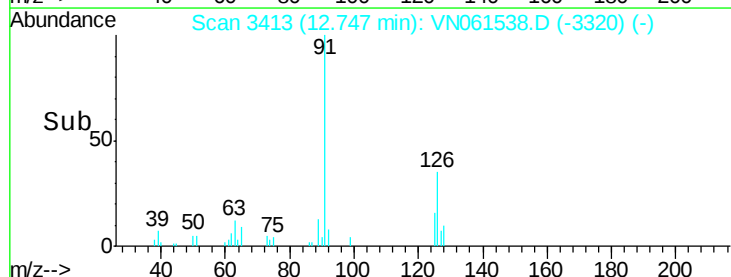
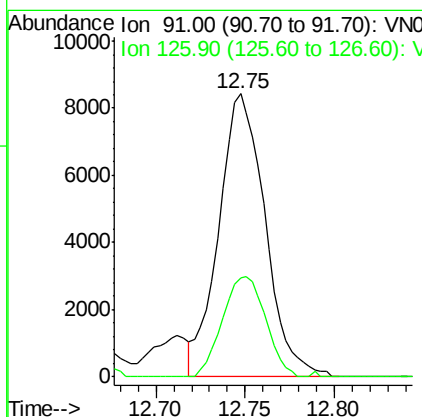
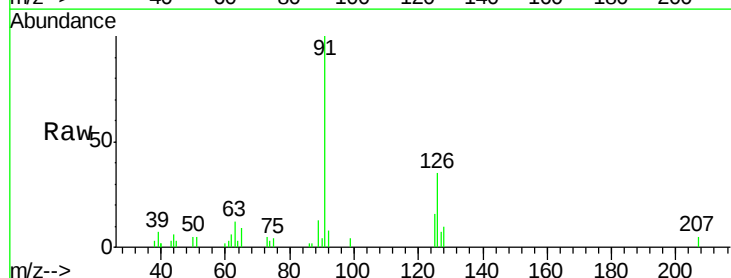
Manual Integrations
 APPROVED

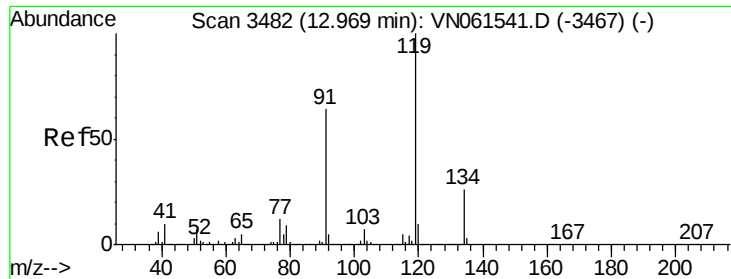
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#82
 4-Chlorotoluene
 Concen: 1.018 ug/l
 RT: 12.75 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion: 91 Resp: 15246
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.5 52.6





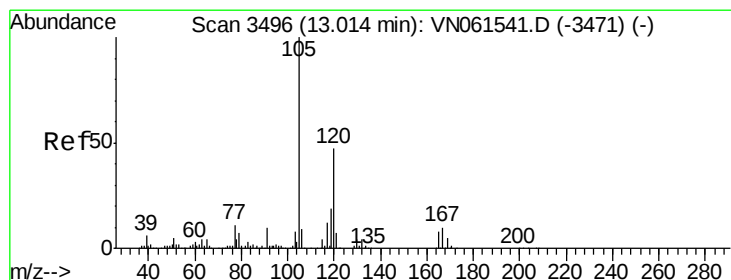
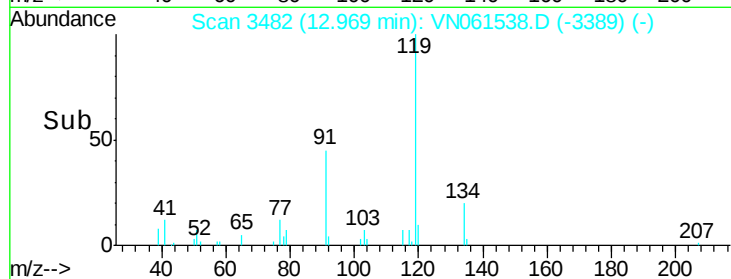
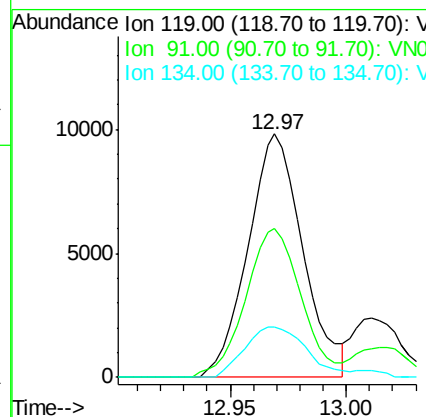
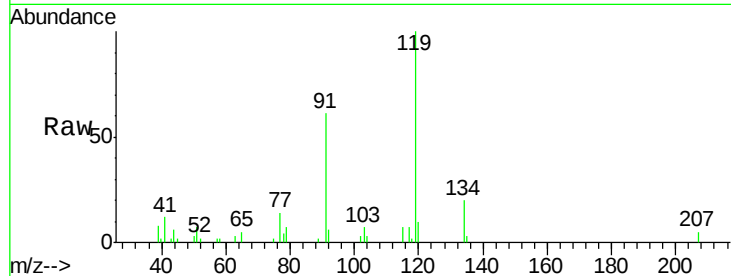
#83
 tert-Butylbenzene
 Concen: 1.061 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.1	31.3	93.8
134	23.4	13.5	40.4

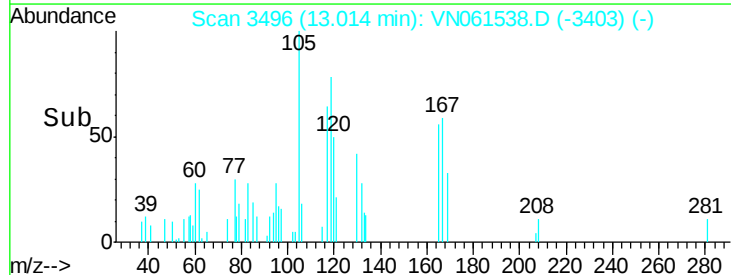
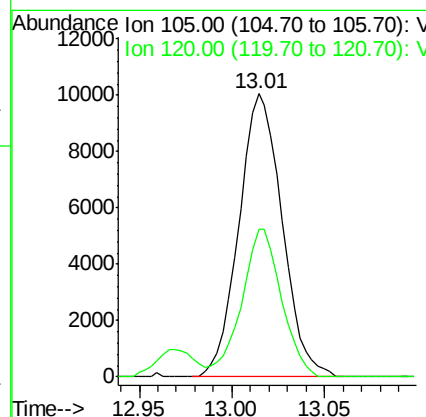
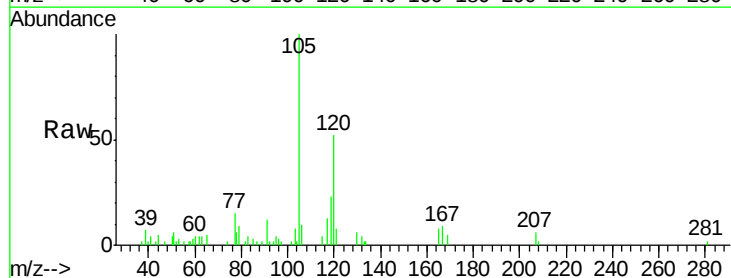
Manual Integrations
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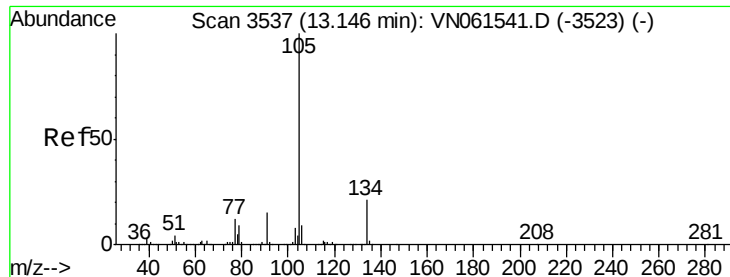
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.921 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.2	69.5





#85

sec-Butylbenzene

Concen: 0.970 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 19753

Ion Ratio Lower Upper

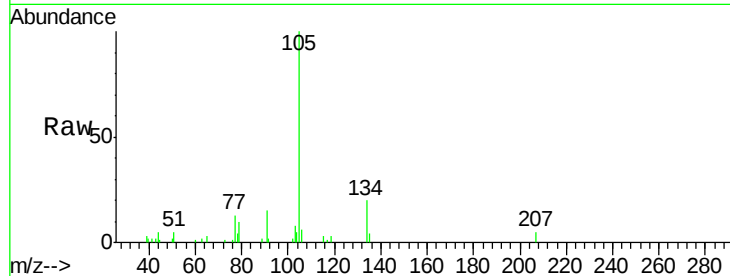
105 100

134 20.3 10.7 31.9

Manual Integrations
APPROVED

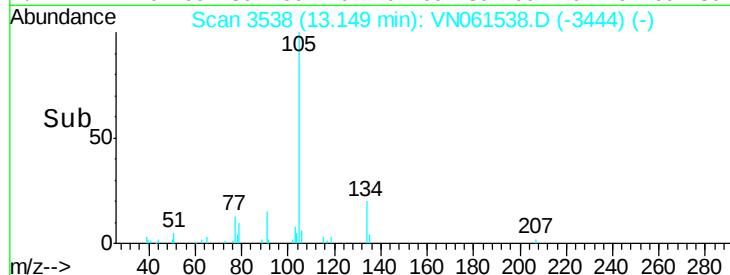
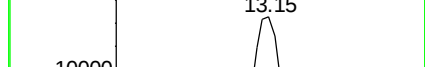
MMDadoda

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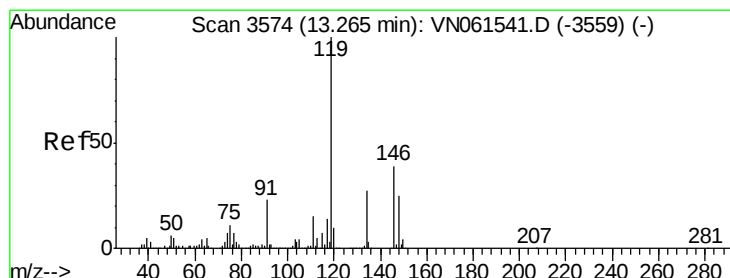


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 0.969 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

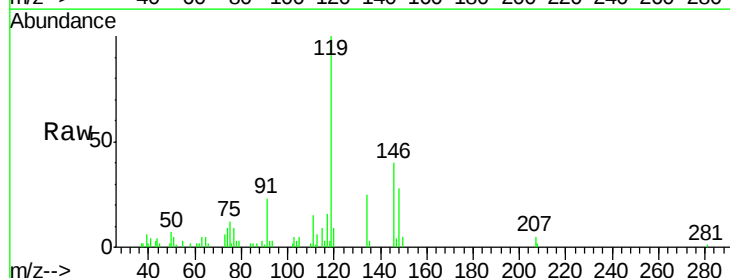
Tgt Ion:119 Resp: 17631

Ion Ratio Lower Upper

119 100

134 25.6 13.5 40.5

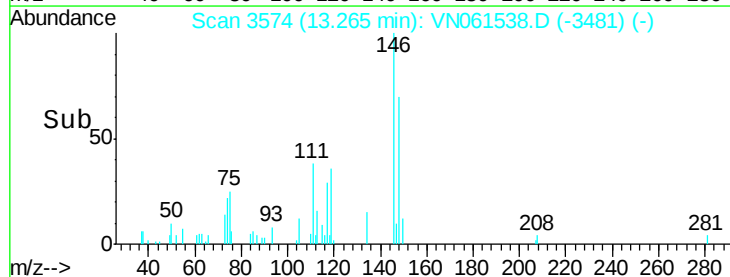
91 23.5 11.4 34.1



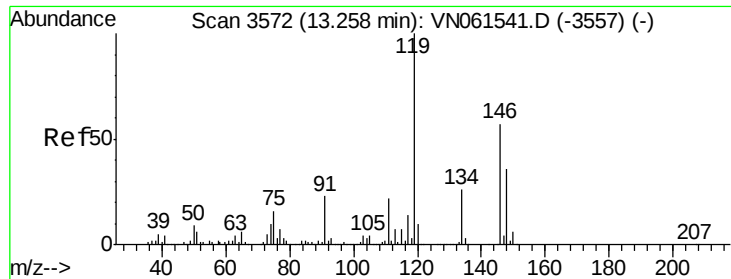
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->



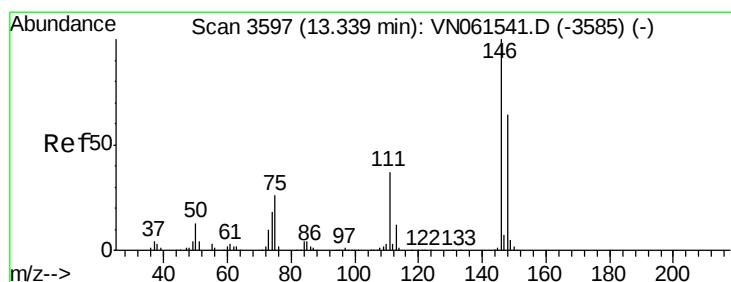
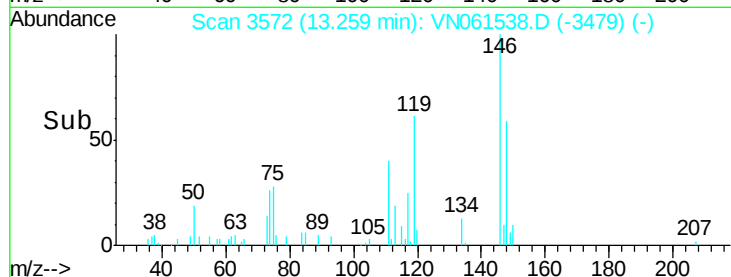
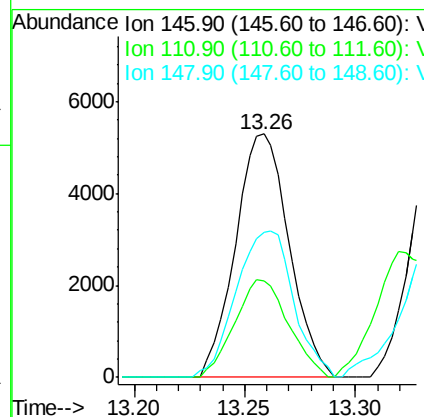
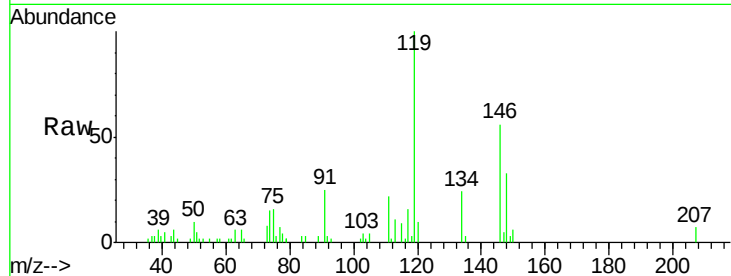
#87
 1,3-Dichlorobenzene
 Concen: 1.025 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.2	57.6
148	64.3	31.7	95.1

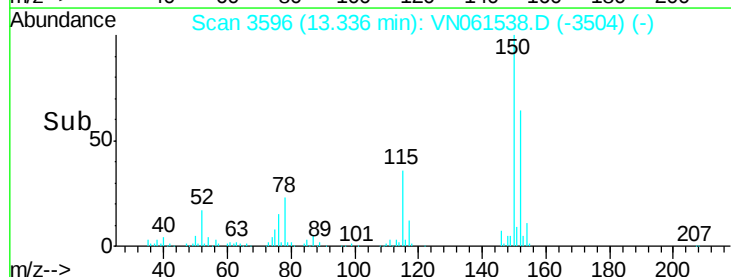
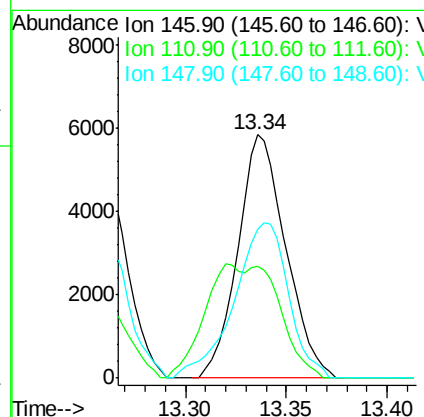
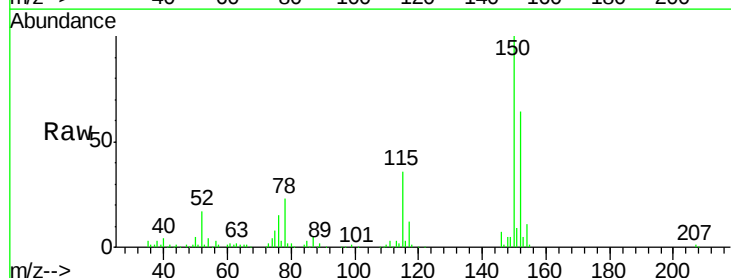
Manual Integrations
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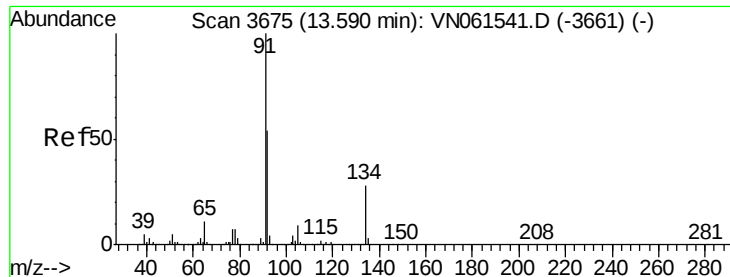
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 1.109 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.9
148	72.5	31.8	95.3





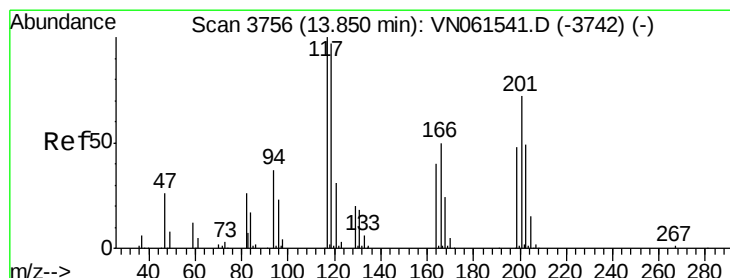
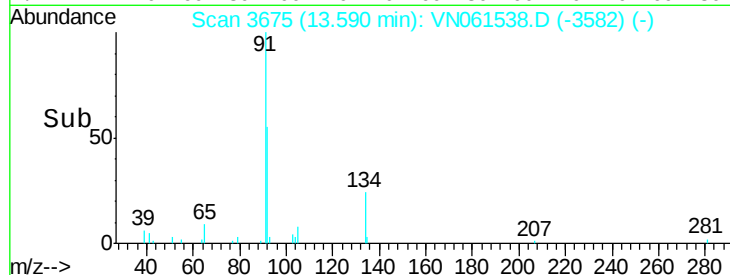
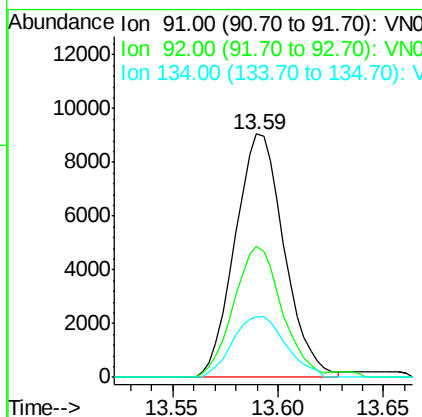
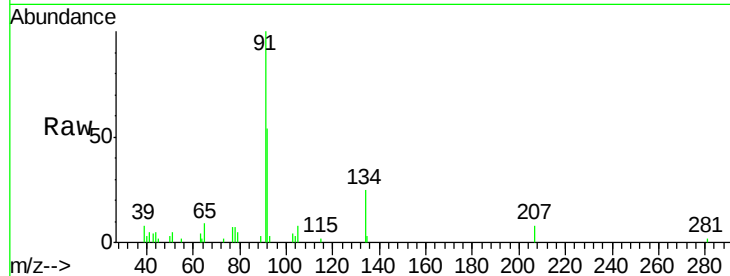
#89
n-Butylbenzene
Concen: 0.900 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.2	81.6
134	27.0	14.0	42.0

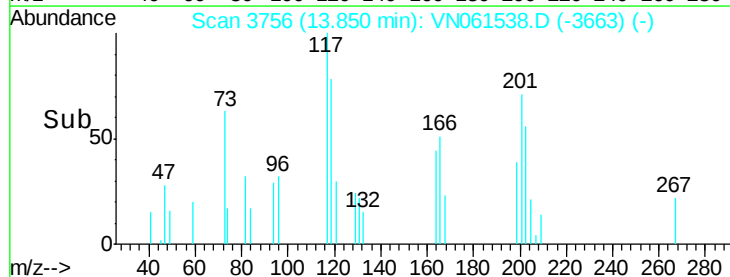
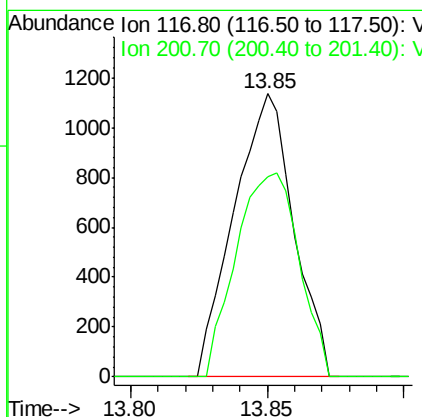
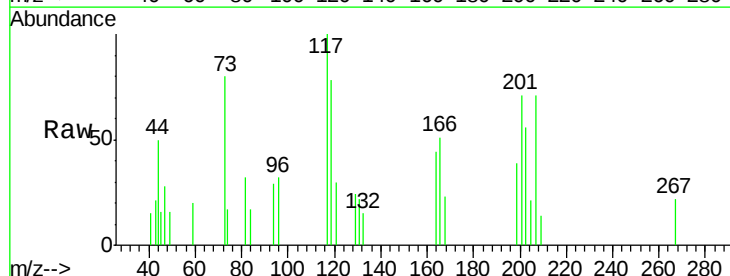
Manual Integrations
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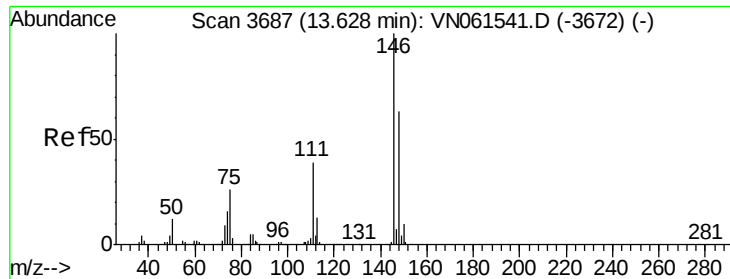
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#90
Hexachloroethane
Concen: 0.725 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN061538.D
Acq: 28 May 2020 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.2	36.7	110.1





#91

1,2-Dichlorobenzene

Concen: 1.005 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

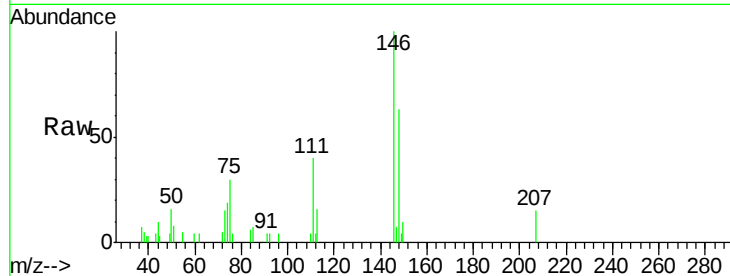
ClientSampleId :

VSTDIC001

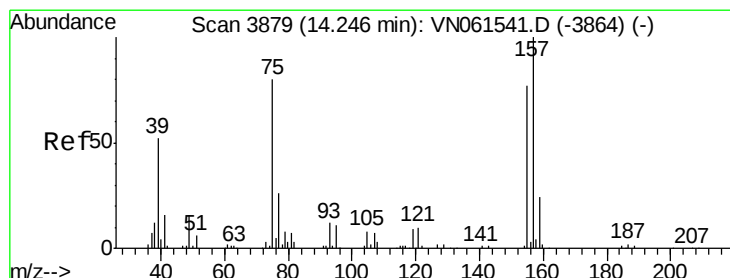
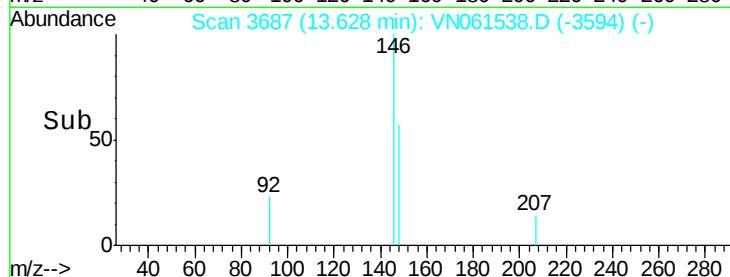
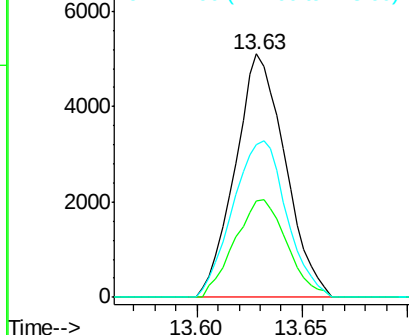
Tot Ion:	146	Resp:	8404
Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.1	60.2
148	69.0	31.9	95.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.054 ug/l

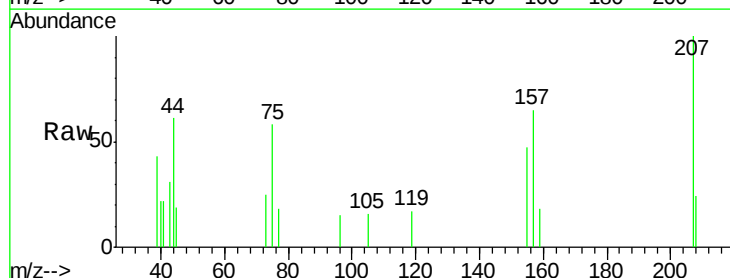
RT: 14.25 min Scan# 3881

Delta R.T. 0.01 min

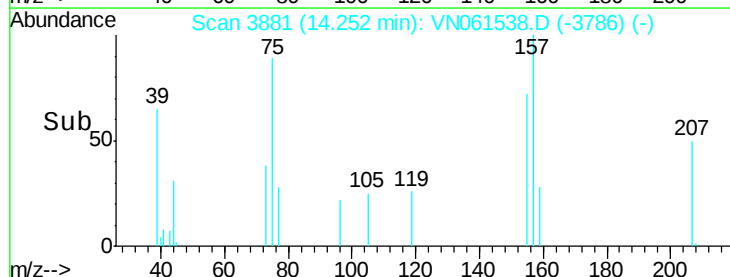
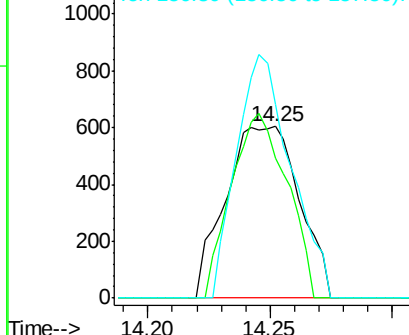
Lab File: VN061538.D

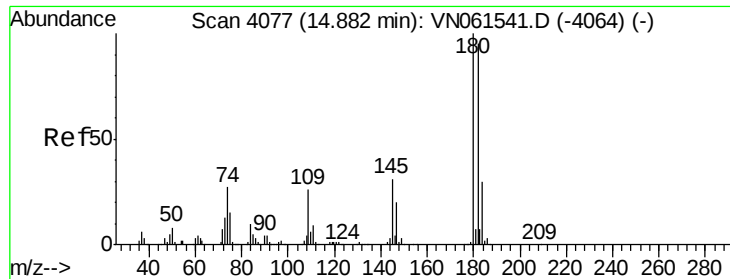
Acq: 28 May 2020 17:45

Tgt Ion:	75	Resp:	1263
Ion	Ratio	Lower	Upper
75	100		
155	81.9	47.1	141.4
157	104.6	60.3	180.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





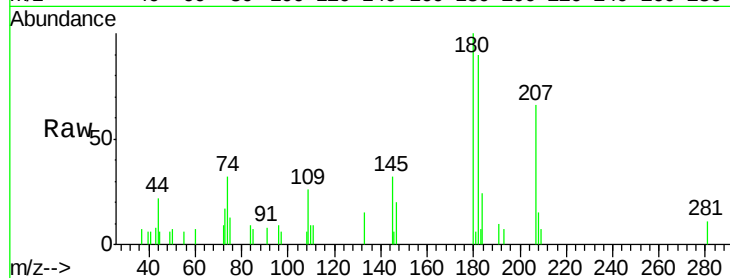
#93
 1,2,4-Trichlorobenzene
 Concen: 1.033 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

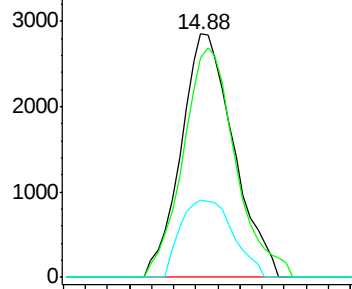
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.8	143.3
145	31.7	15.5	46.5

Manual Integrations
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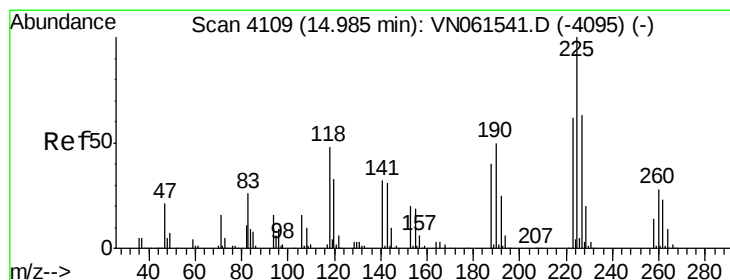
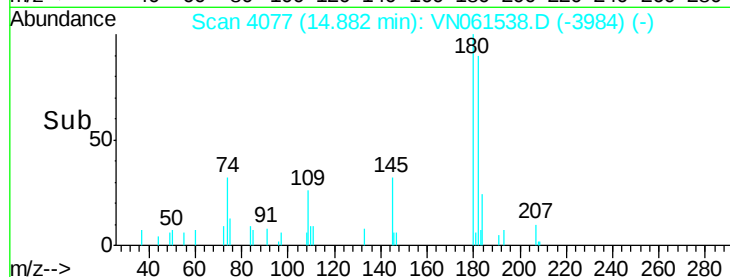
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

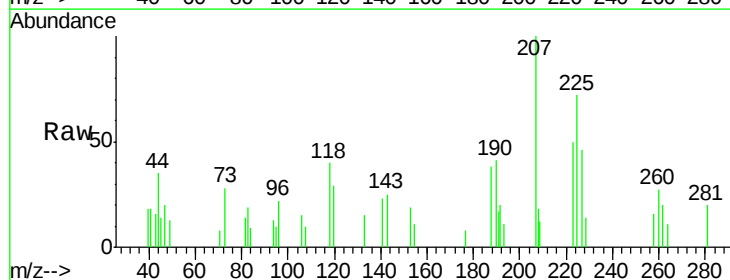


Time-->

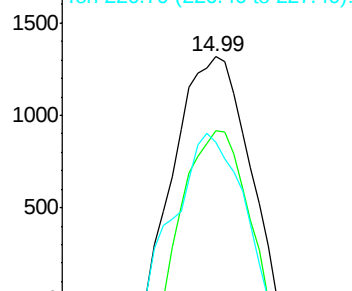


#94
 Hexachlorobutadiene
 Concen: 1.165 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061538.D
 Acq: 28 May 2020 17:45

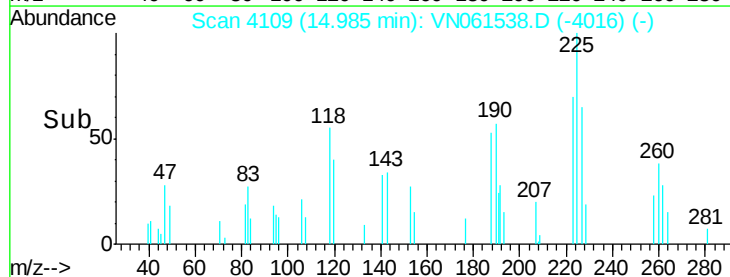
Tgt Ion	Ratio	Lower	Upper
225	100		
223	57.9	31.9	95.5
227	61.7	31.9	95.9

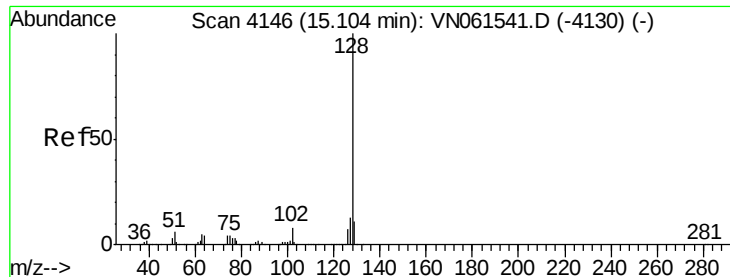


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 0.925 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Instrument :

MSVOA_N

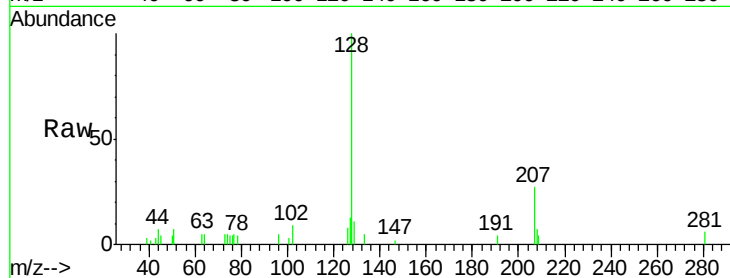
ClientSampleId :

VSTDIC001

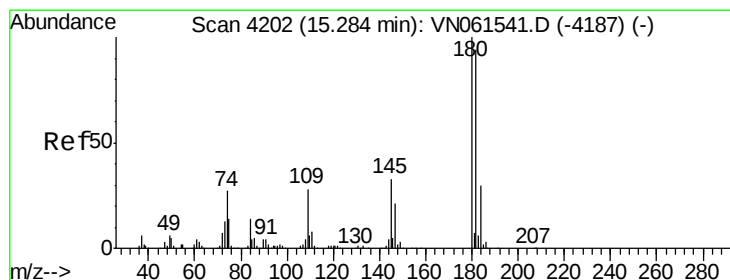
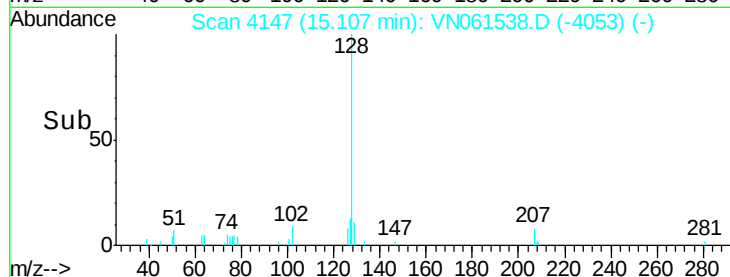
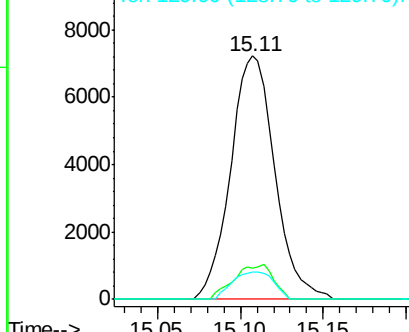
Tot Ion:	128	Resp:	13412
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.0	15.0
129	10.4	8.5	12.7

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



#96

1,2,3-Trichlorobenzene

Concen: 1.017 ug/l

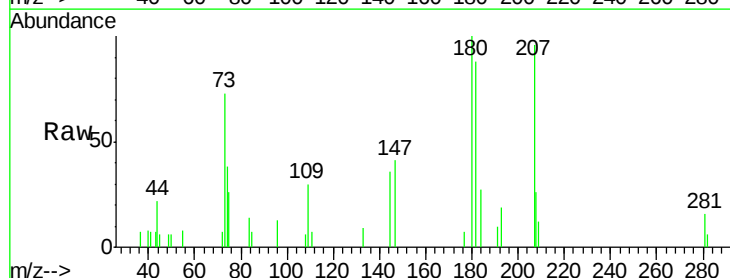
RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061538.D

Acq: 28 May 2020 17:45

Tgt Ion:	180	Resp:	4647
Ion Ratio	Lower	Upper	
180	100		
182	92.9	47.1	141.3
145	35.9	16.3	48.9



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

