

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061436.D
 Acq On : 18 May 2020 15:54
 Operator : JC/MD
 Sample : VN0518MBS01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Manual Integrations
 APPROVED

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 5/19/2020 4:25:17 PM

Quant Time: May 18 18:30:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	258165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	473492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	444779	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	204313	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	204513	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.55	113	133821	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.06	98	588982	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
62) 4-Bromofluorobenzene	12.37	95	217755	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.83	85	41363	19.269	ug/l	99
3) Chloromethane	2.03	50	66422	18.971	ug/l	98
4) Vinyl Chloride	2.16	62	95803	19.119	ug/l	99
5) Bromomethane	2.54	94	54034	18.837	ug/l	98
6) Chloroethane	2.67	64	64034	18.986	ug/l	97
7) Trichlorofluoromethane	2.98	101	116048	19.076	ug/l	98
8) Diethyl Ether	3.37	74	35345	19.947	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	48984	19.363	ug/l	99
10) Methyl Iodide	3.91	142	61723	20.088	ug/l	100
11) Tert butyl alcohol	4.73	59	48906	110.160	ug/l	98
12) 1,1-Dichloroethene	3.70	96	49899	18.856	ug/l	96
13) Acrolein	3.57	56	29562	80.242	ug/l	94
14) Allyl chloride	4.27	41	85435	19.838	ug/l	97
15) Acrylonitrile	4.93	53	134699	102.410	ug/l	98
16) Acetone	3.77	43	104195	98.785	ug/l	96
17) Carbon Disulfide	4.01	76	131935	21.406	ug/l	100
18) Methyl Acetate	4.27	43	53716	19.680	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	199974	19.913	ug/l	98
20) Methylene Chloride	4.50	84	59295	18.725	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	57900	18.975	ug/l	97
22) Diisopropyl ether	5.90	45	190000	19.633	ug/l	97
23) Vinyl Acetate	5.84	43	771371	100.234	ug/l	99
24) 1,1-Dichloroethane	5.80	63	109837	19.459	ug/l	99
25) 2-Butanone	6.78	43	173667	98.995	ug/l	100
26) 2,2-Dichloropropane	6.78	77	99626	18.515	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	68790	19.085	ug/l	99
28) Bromochloromethane	7.15	49	53150	22.183	ug/l	97
29) Tetrahydrofuran	7.17	42	117669	101.279	ug/l	99
30) Chloroform	7.33	83	117067	19.857	ug/l	99
31) Cyclohexane	7.62	56	100032	18.243	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	101866	18.908	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84950	19.187	ug/l	99
37) Ethyl Acetate	6.88	43	75544	18.815	ug/l	98
38) Carbon Tetrachloride	7.73	117	78169	19.174	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	104239	19.277	ug/l	98
40) Benzene	8.00	78	255790	19.171	ug/l	98
41) Methacrylonitrile	7.13	41	36192	21.342	ug/l #	93
42) 1,2-Dichloroethane	8.09	62	95624	19.893	ug/l	99
43) Isopropyl Acetate	8.13	43	138165	19.730	ug/l #	90
44) Trichloroethene	8.80	130	67732	19.374	ug/l	94
45) 1,2-Dichloropropane	9.08	63	65948	19.747	ug/l	97
46) Dibromomethane	9.18	93	45008	19.225	ug/l	99
47) Bromodichloromethane	9.37	83	95883	19.438	ug/l	97
48) Methyl methacrylate	9.17	41	61532	19.020	ug/l	98
49) 1,4-Dioxane	9.16	88	16996	479.887	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	385602	101.079	ug/l	98
52) Toluene	10.12	92	163167	19.049	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	105697	19.550	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	111221	19.352	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	64528	19.925	ug/l	98
56) Ethyl methacrylate	10.40	69	99007	19.555	ug/l	99
57) 1,3-Dichloropropane	10.68	76	112181	20.044	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	214381	96.466	ug/l	100
59) 2-Hexanone	10.72	43	268934	97.440	ug/l	99
60) Dibromochloromethane	10.87	129	69359	19.362	ug/l	99
61) 1,2-Dibromoethane	10.98	107	66223	19.448	ug/l	100
64) Tetrachloroethene	10.60	164	63754	18.528	ug/l	98
65) Chlorobenzene	11.41	112	172499	19.018	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	62442	19.203	ug/l	97
67) Ethyl Benzene	11.48	91	317274	19.163	ug/l	99
68) m/p-Xylenes	11.59	106	237914	37.858	ug/l	98
69) o-Xylene	11.92	106	117033	19.244	ug/l	100
70) Styrene	11.94	104	194782	19.341	ug/l	99
71) Bromoform	12.10	173	43170	18.403	ug/l #	99
73) Isopropylbenzene	12.22	105	308658	18.818	ug/l	100
74) N-amyl acetate	12.04	43	117769	19.616	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	88593	19.632	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	84537m	19.283	ug/l	
77) Bromobenzene	12.50	156	66810	18.769	ug/l	97
78) n-propylbenzene	12.56	91	349189	18.685	ug/l	99
79) 2-Chlorotoluene	12.65	91	208373	18.863	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	256676	19.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	30338	18.357	ug/l	96
82) 4-Chlorotoluene	12.75	91	216582	18.935	ug/l	100
83) tert-Butylbenzene	12.97	119	218683	19.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	259088	19.277	ug/l	99
85) sec-Butylbenzene	13.15	105	296349	19.051	ug/l	99
86) p-Isopropyltoluene	13.26	119	260847	18.884	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	124361	19.090	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	124762	19.123	ug/l	99
89) n-Butylbenzene	13.59	91	238656	19.018	ug/l	100
90) Hexachloroethane	13.85	117	35736	19.089	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	118749	19.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	17682	19.398	ug/l	98

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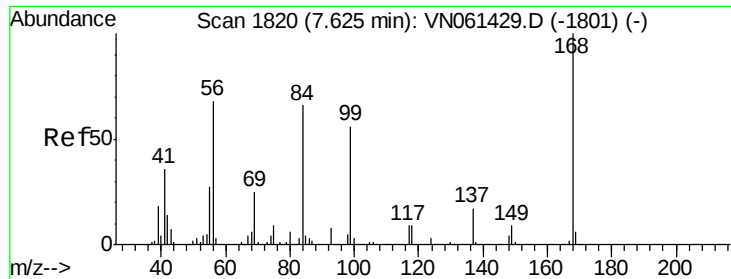
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	65889	19.446	ug/l	99
94) Hexachlorobutadiene	14.99	225	29809	19.800	ug/l	97
95) Naphthalene	15.10	128	216302	20.080	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	65738	19.489	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion:168 Resp: 258165

Ion Ratio Lower Upper

168 100

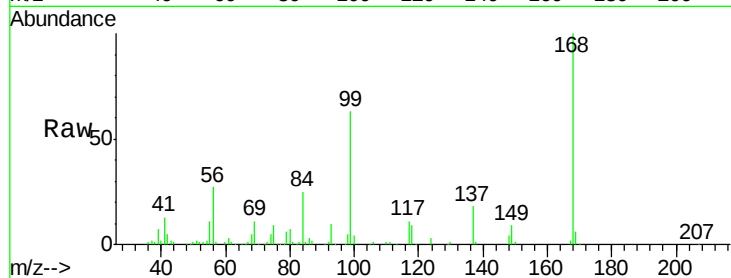
99 63.2 51.1 76.7

Manual Integrations

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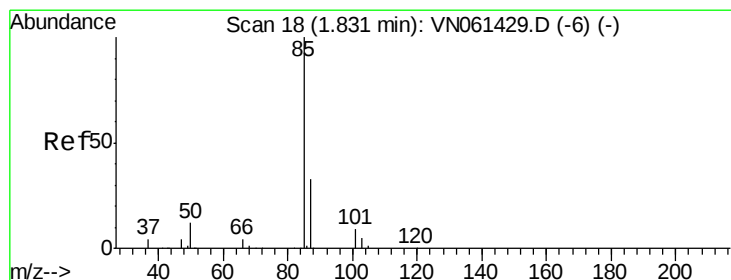
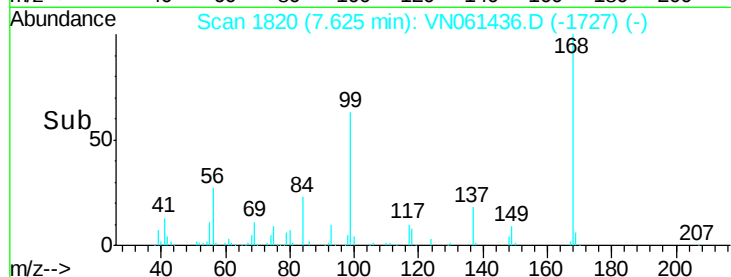
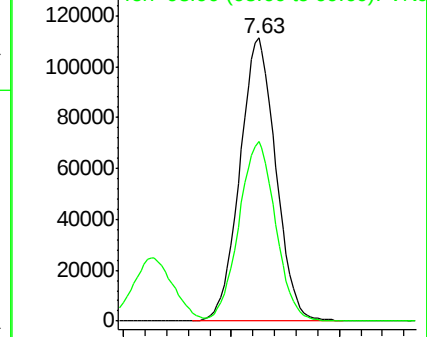
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.269 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061436.D

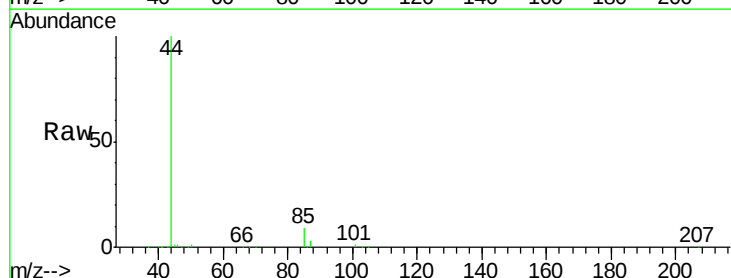
Acq: 18 May 2020 15:54

Tgt Ion: 85 Resp: 41363

Ion Ratio Lower Upper

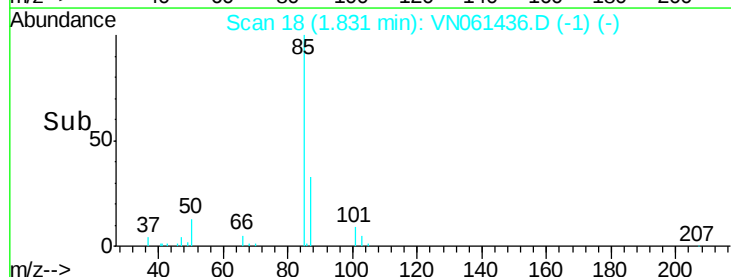
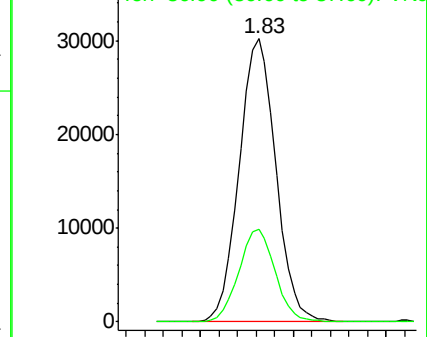
85 100

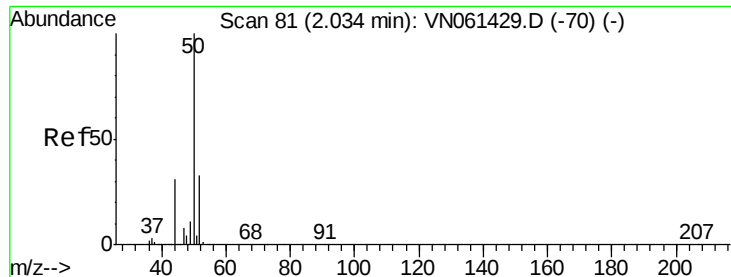
87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.971 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 50 Resp: 66422

Ion Ratio Lower Upper

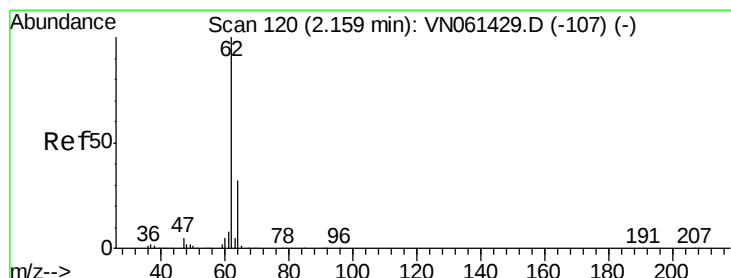
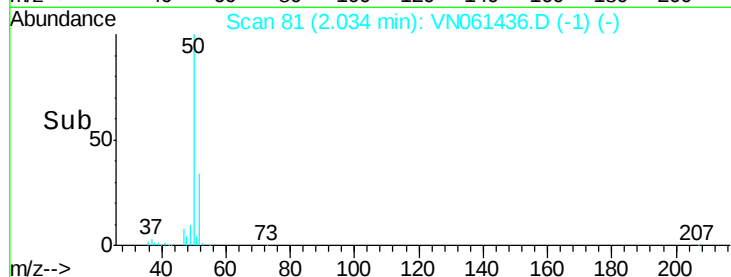
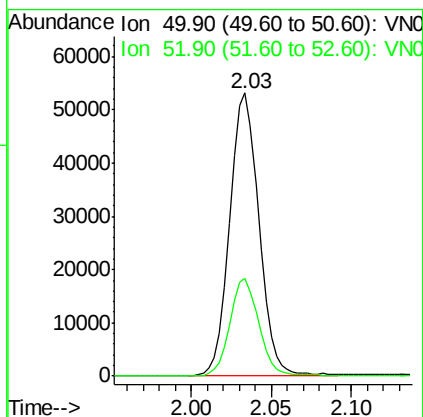
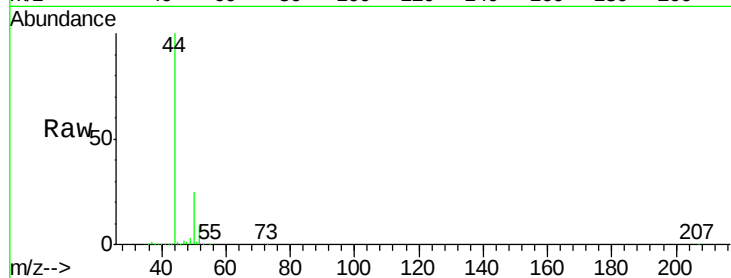
50 100

52 34.4 26.7 40.1

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.119 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061436.D

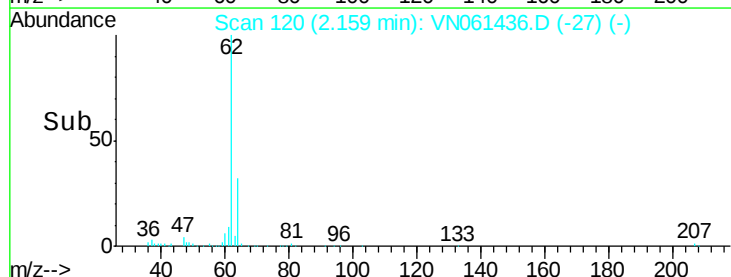
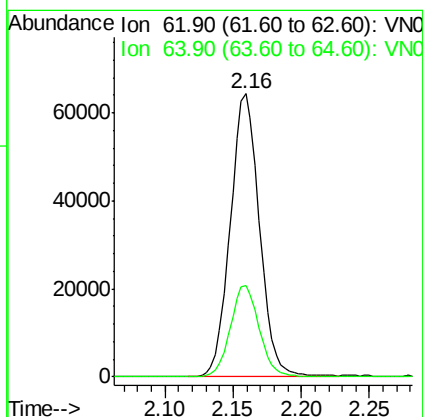
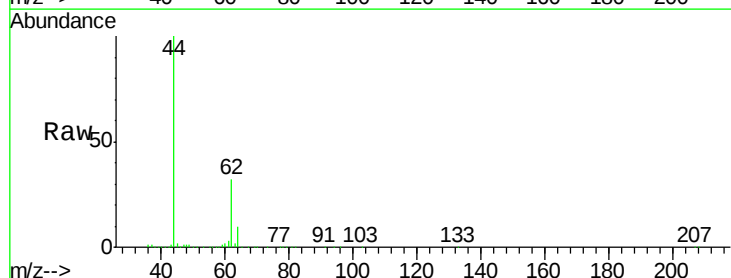
Acq: 18 May 2020 15:54

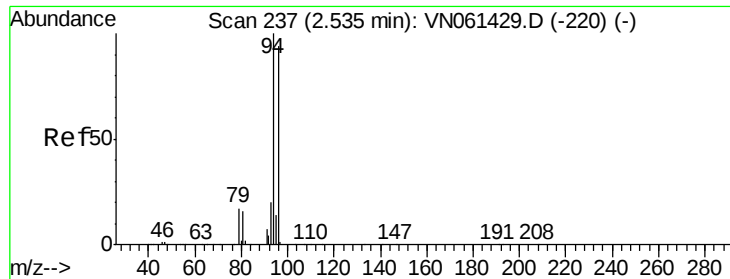
Tgt Ion: 62 Resp: 95803

Ion Ratio Lower Upper

62 100

64 32.2 25.3 37.9





#5

Bromomethane

Concen: 18.837 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 94 Resp: 54034

Ion Ratio Lower Upper

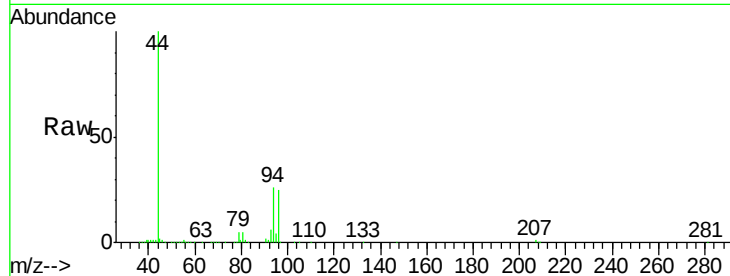
94 100

96 95.6 74.9 112.3

Manual Integrations
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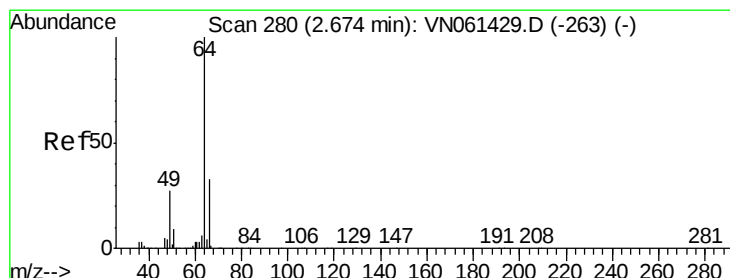
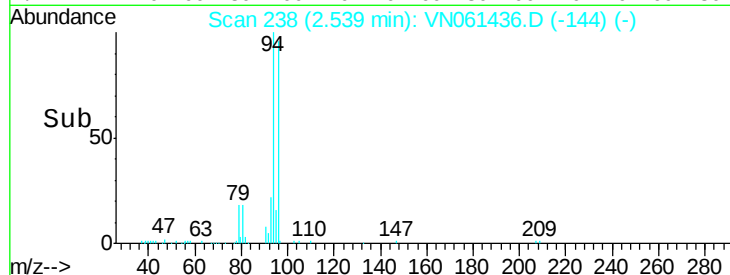
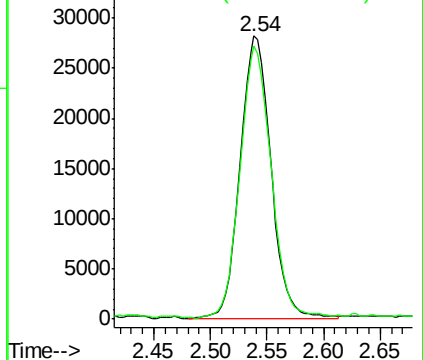
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.986 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061436.D

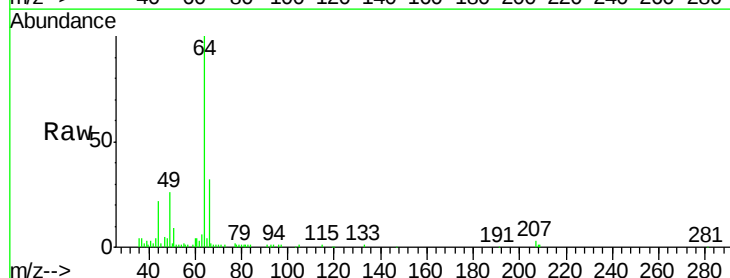
Acq: 18 May 2020 15:54

Tgt Ion: 64 Resp: 64034

Ion Ratio Lower Upper

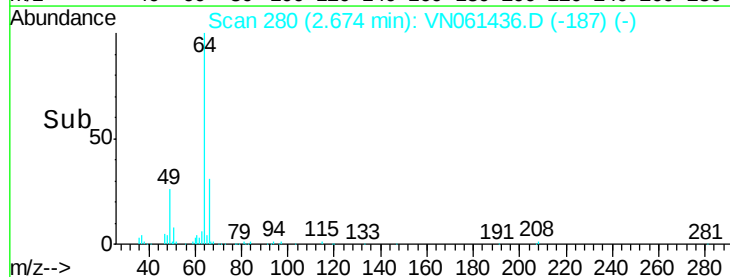
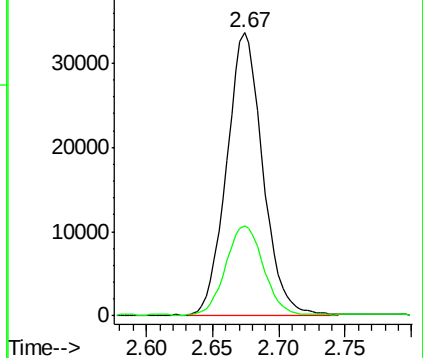
64 100

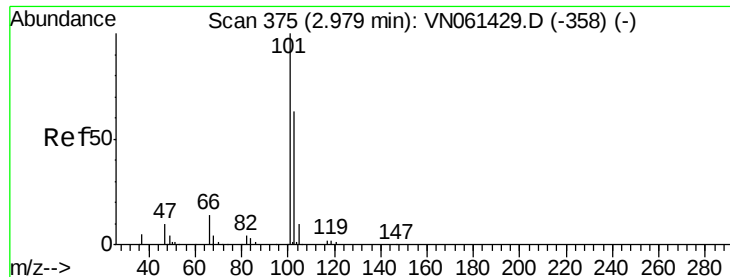
66 31.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

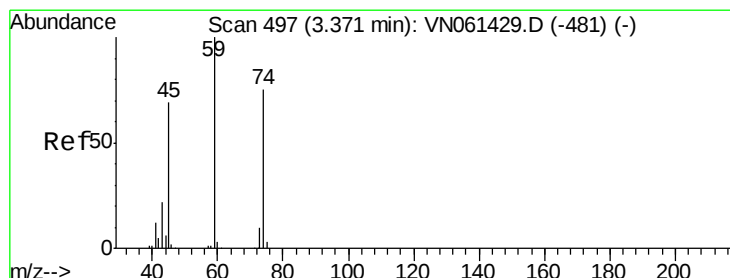
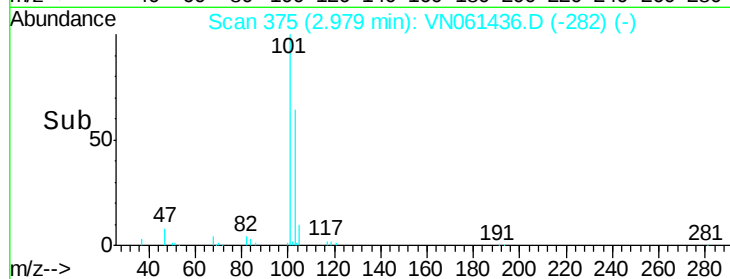
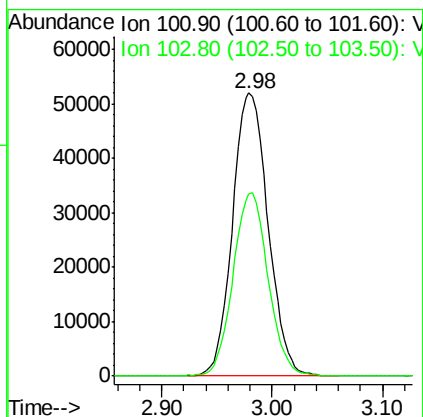
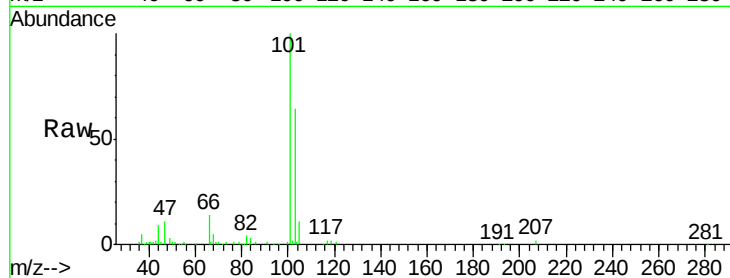
Trichlorofluoromethane
 Concen: 19.076 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.2	75.4

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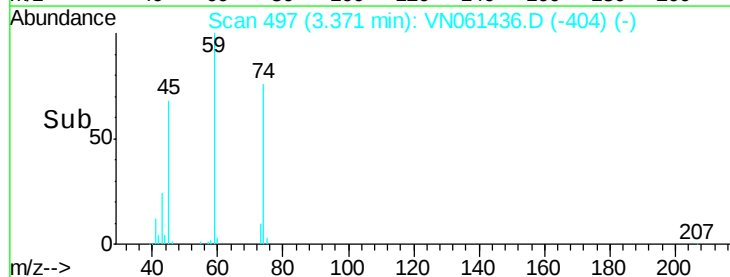
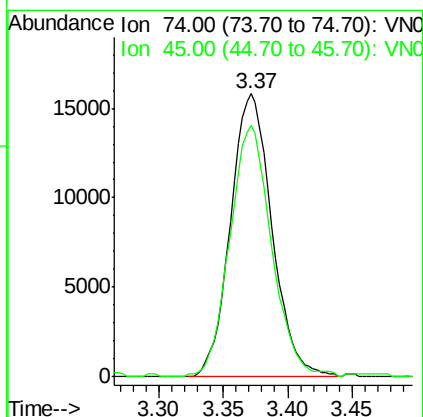
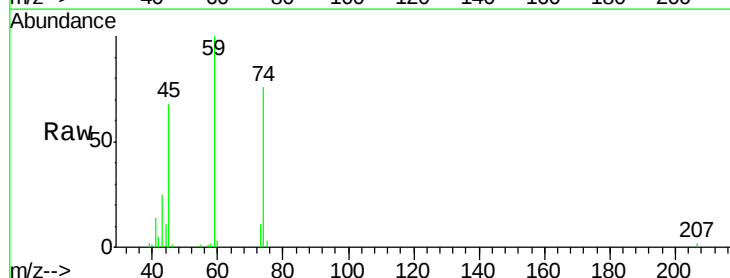
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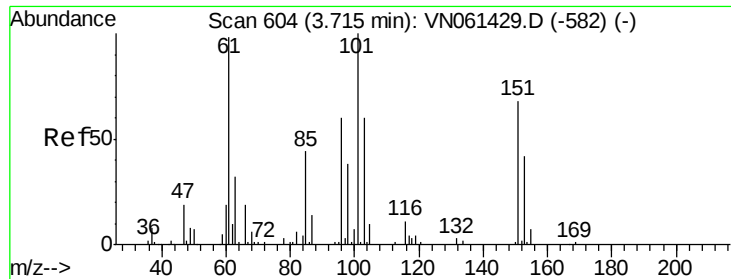


#8

Diethyl Ether
 Concen: 19.947 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.7	45.7	137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.363 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

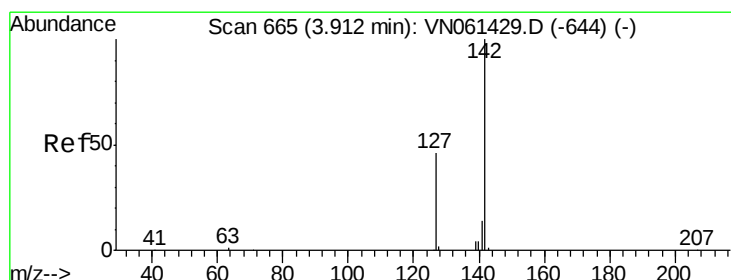
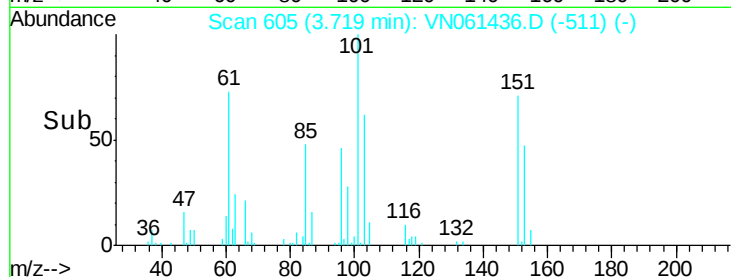
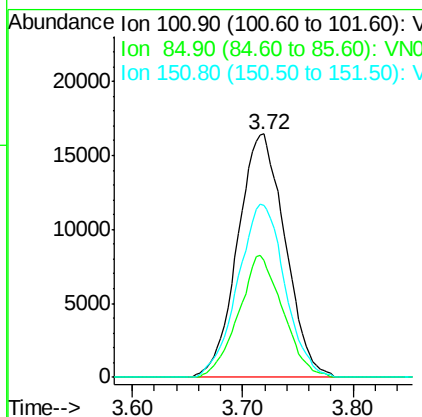
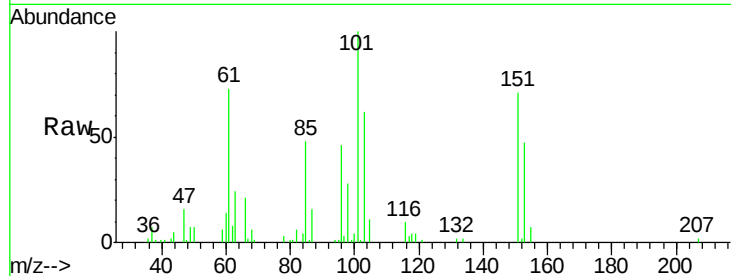
ClientSampleId :

VN0518MBS01

Tot Ion:	101	Resp:	48984
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.6	55.0
151	70.6	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.088 ug/l

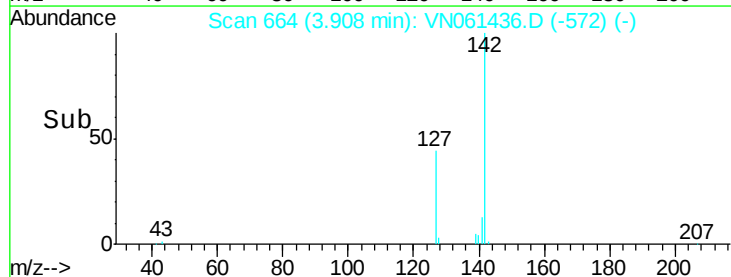
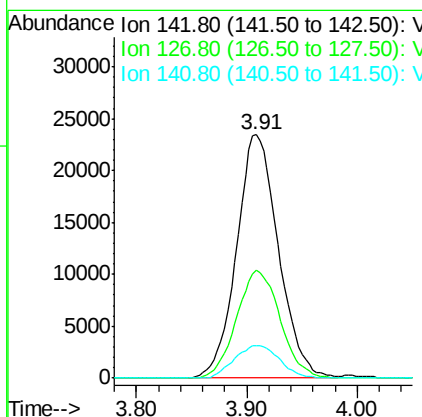
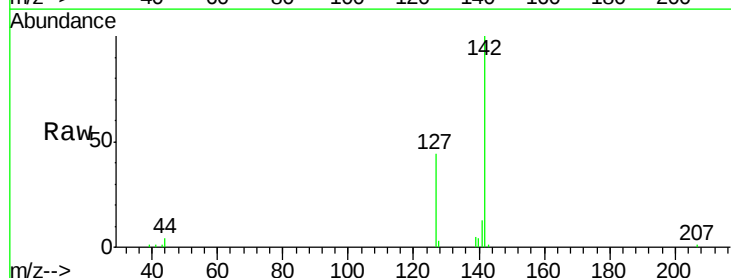
RT: 3.91 min Scan# 664

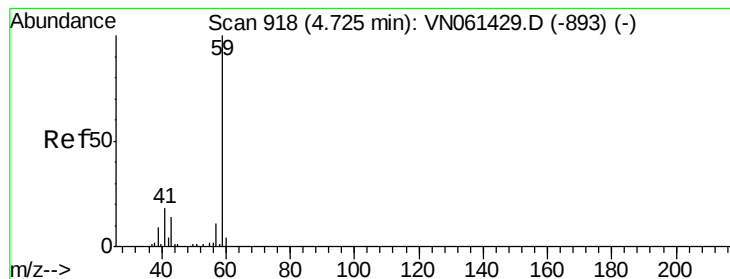
Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion:	142	Resp:	61723
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.7	55.1
141	14.4	11.5	17.3





#11

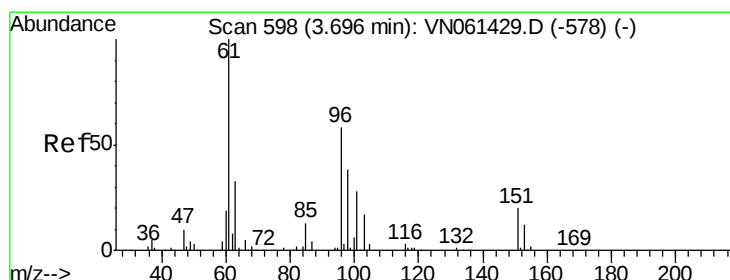
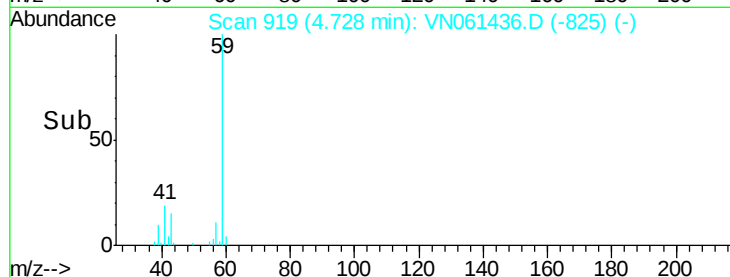
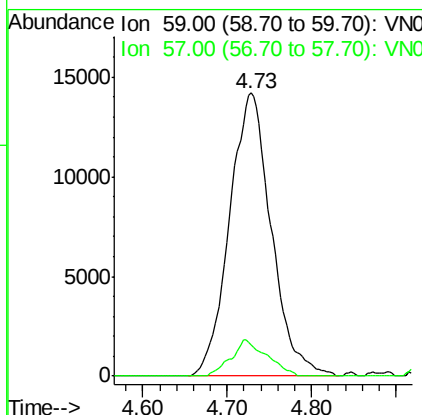
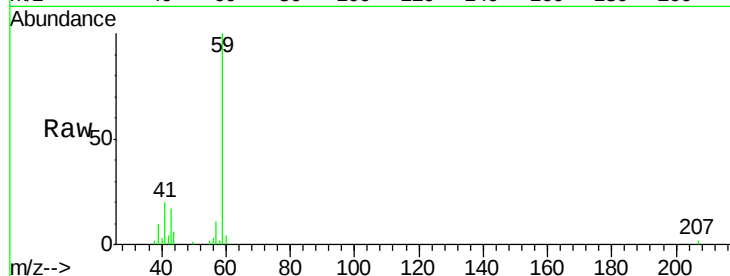
Tert butyl alcohol
Concen: 110.160 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.2	12.2

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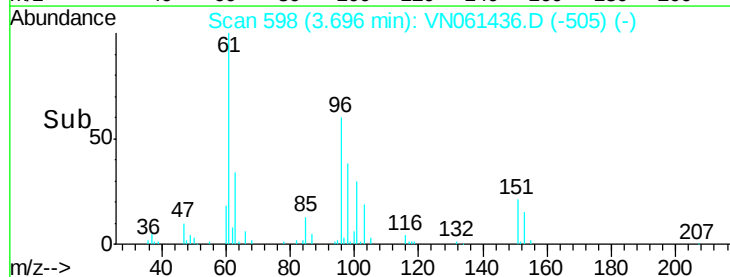
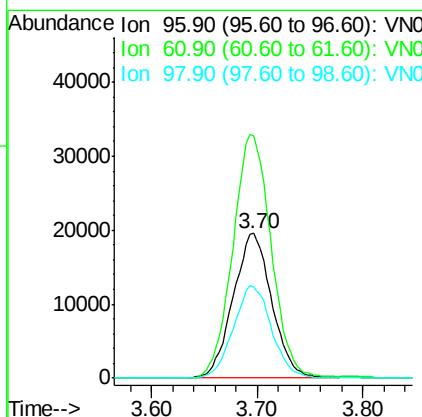
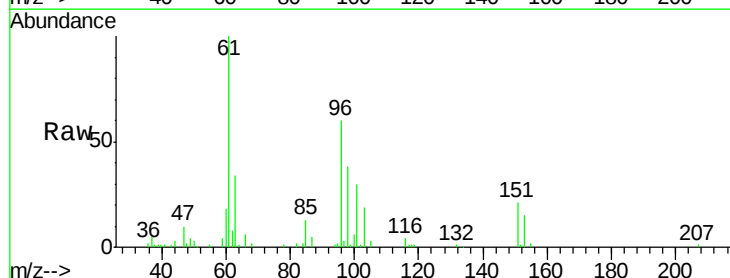
MMDadoda
5/19/2020 4:25:17 PM

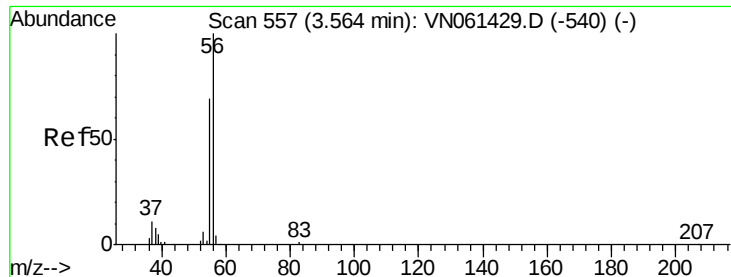


#12

1,1-Dichloroethene
Concen: 18.856 ug/l
RT: 3.70 min Scan# 598
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.2	138.7	208.1
98	63.0	53.0	79.6





#13

Acrolein

Concen: 80.242 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0518MBS01

Tot Ion: 56 Resp: 29562

Ion Ratio Lower Upper

56 100

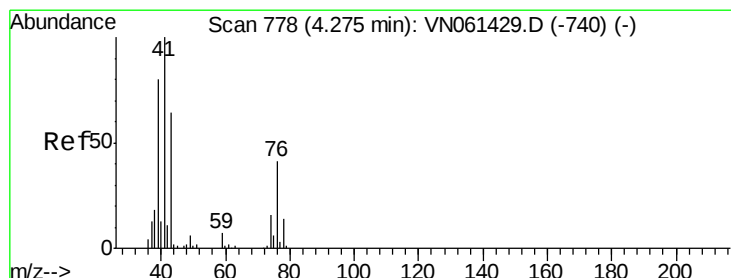
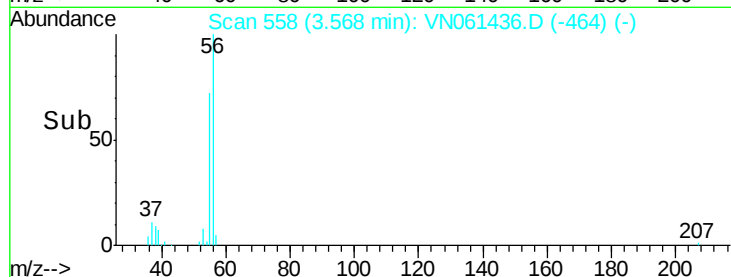
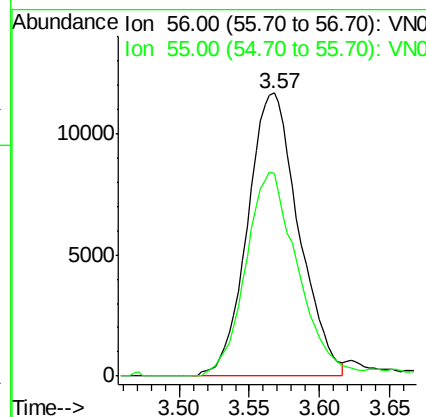
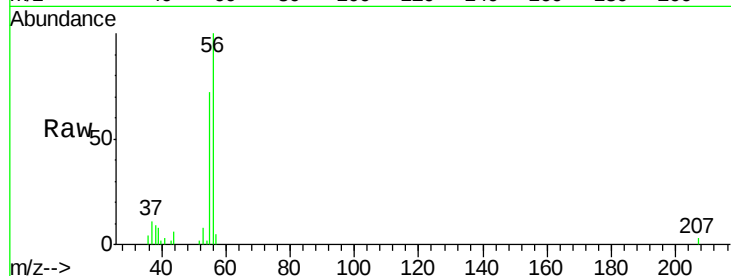
55 73.4 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.838 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

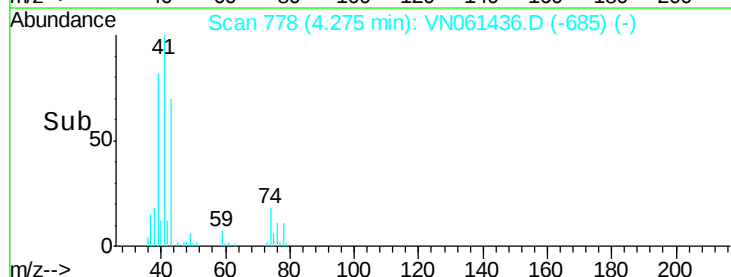
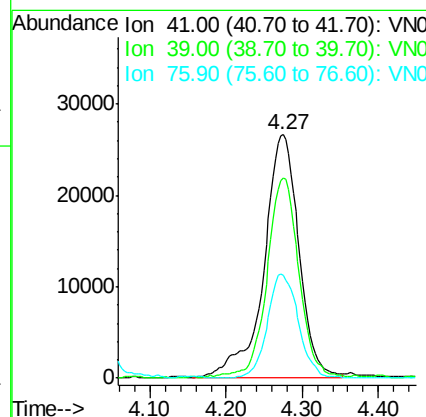
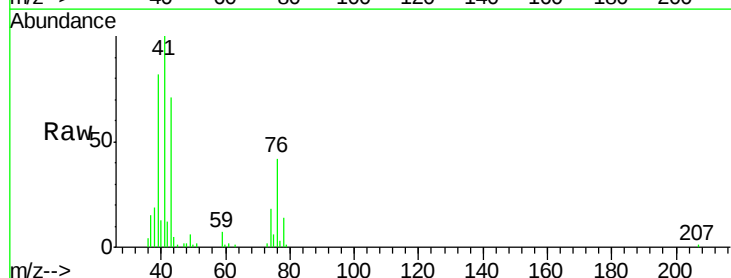
Tgt Ion: 41 Resp: 85435

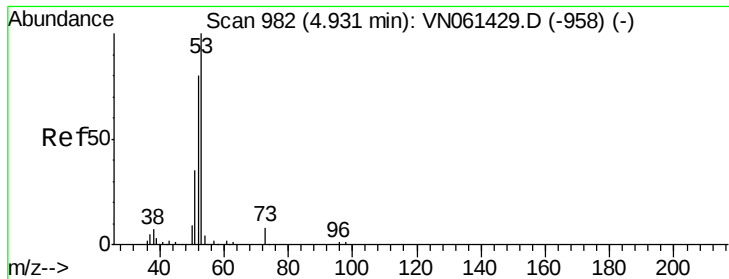
Ion Ratio Lower Upper

41 100

39 72.3 61.2 91.8

76 37.6 29.9 44.9





#15

Acrylonitrile

Concen: 102.410 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

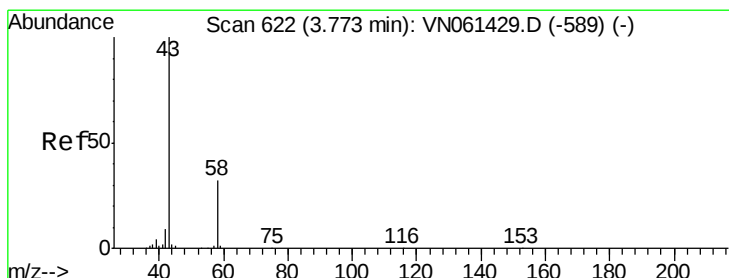
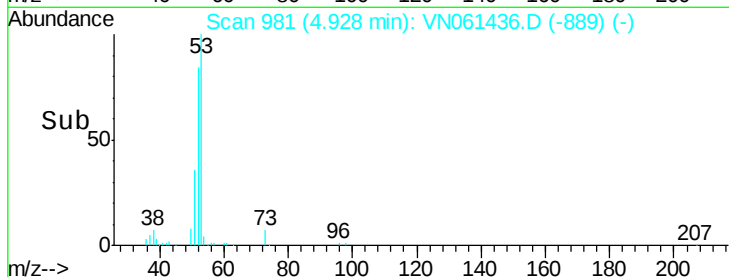
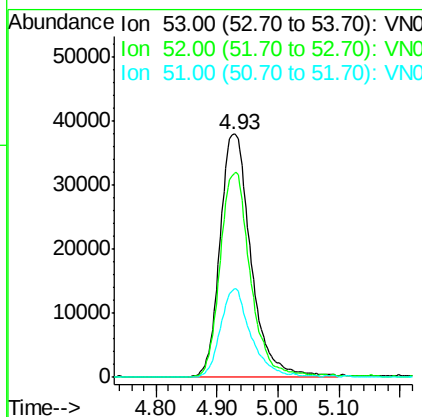
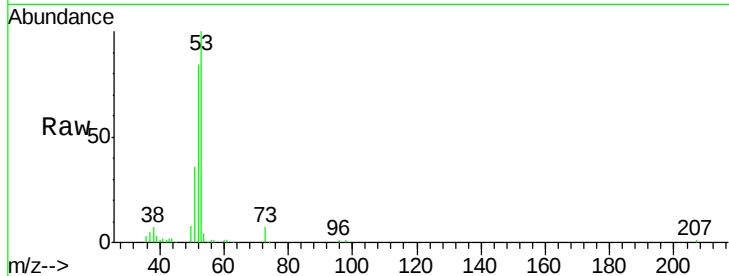
ClientSampleId :

VN0518MBS01

Tot Ion:	53	Resp:	134699
Ion Ratio		Lower	Upper
53	100		
52	81.8	64.7	97.1
51	35.2	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 98.785 ug/l

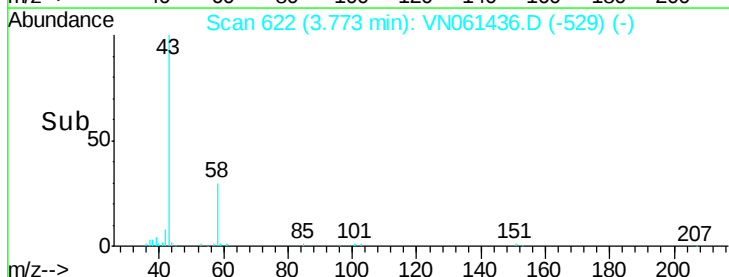
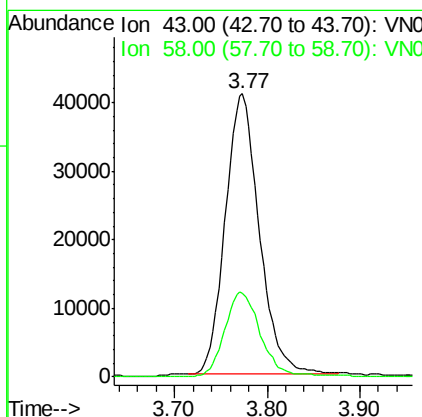
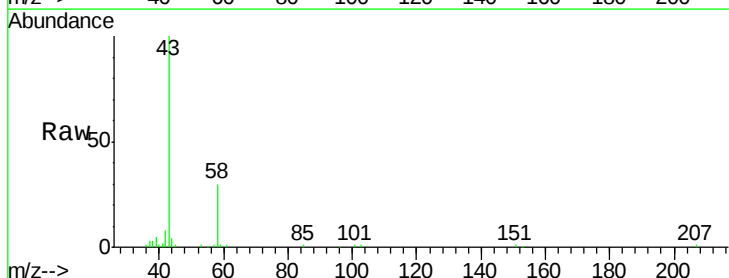
RT: 3.77 min Scan# 622

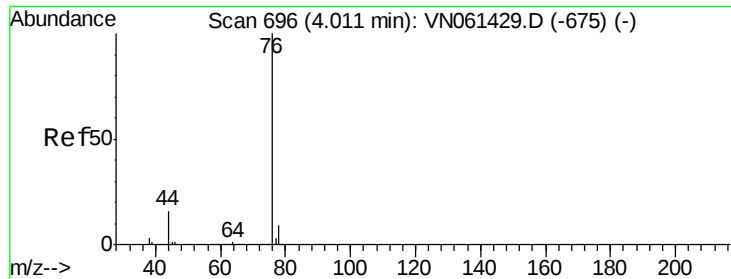
Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion:	43	Resp:	104195
Ion Ratio		Lower	Upper
43	100		
58	29.8	25.6	38.4





#17

Carbon Disulfide

Concen: 21.406 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 76 Resp: 131935

Ion Ratio Lower Upper

76 100

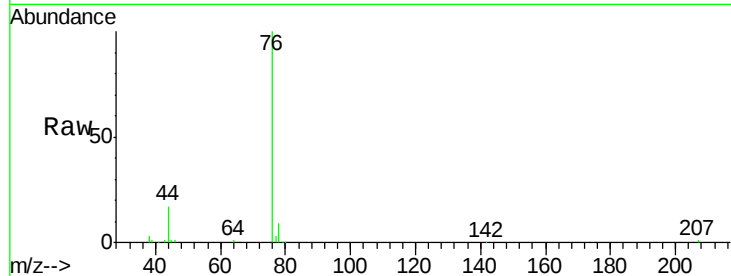
78 9.2 7.4 11.0

Manual Integrations

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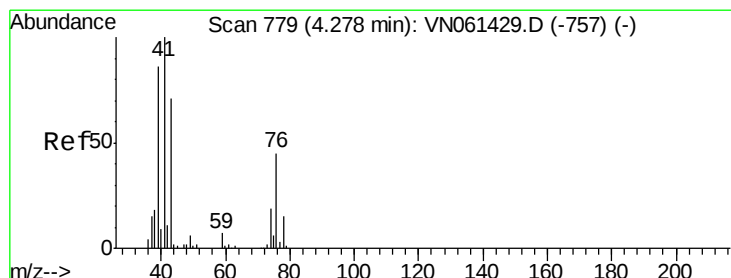
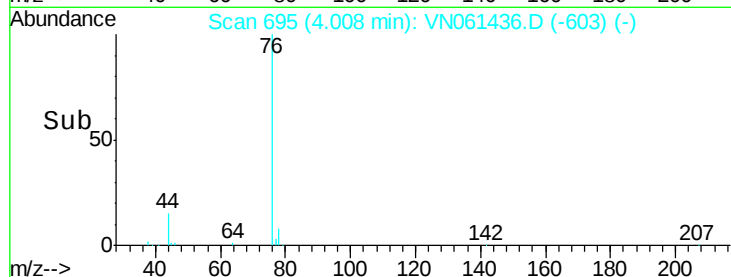
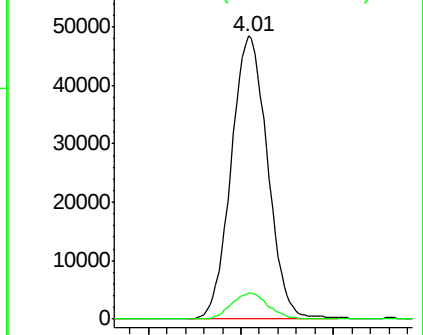
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.680 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN061436.D

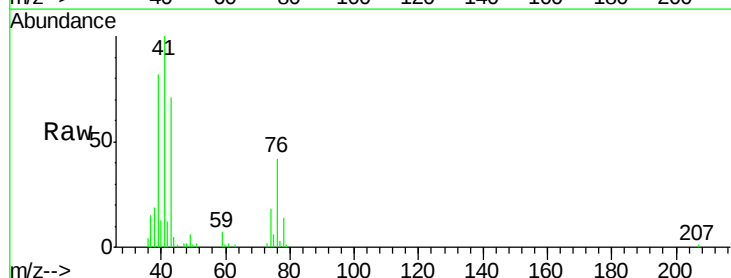
Acq: 18 May 2020 15:54

Tgt Ion: 43 Resp: 53716

Ion Ratio Lower Upper

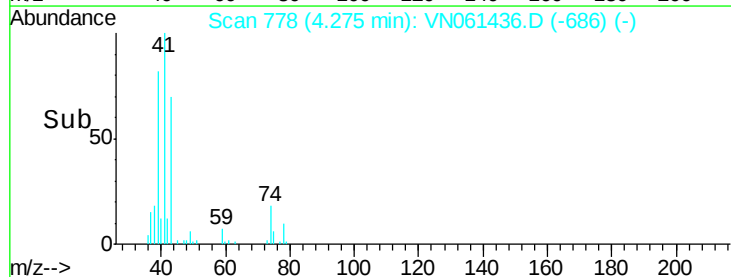
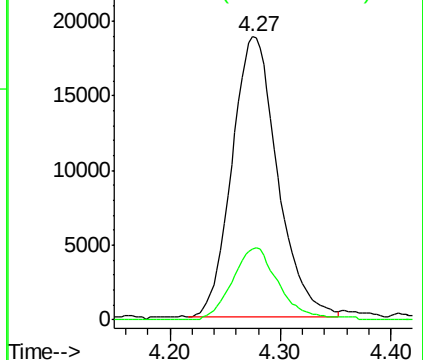
43 100

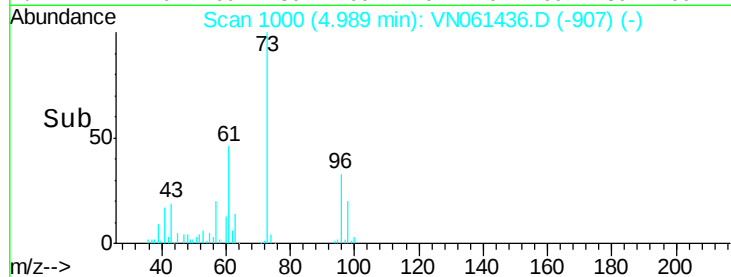
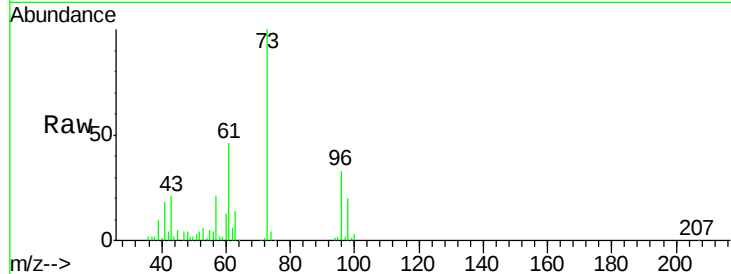
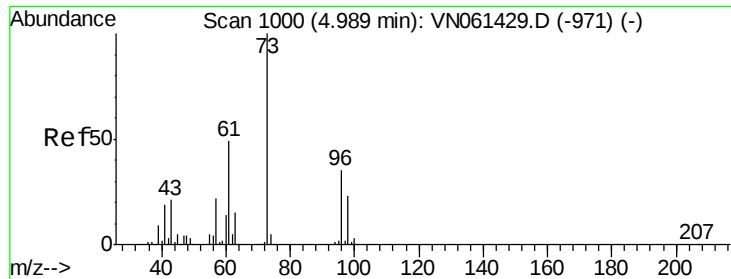
74 26.4 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





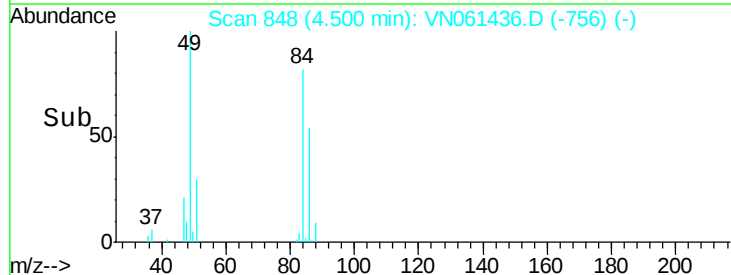
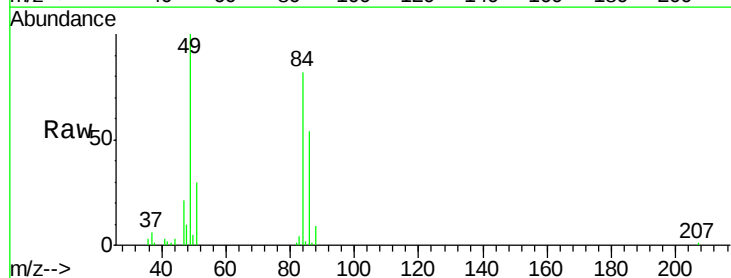
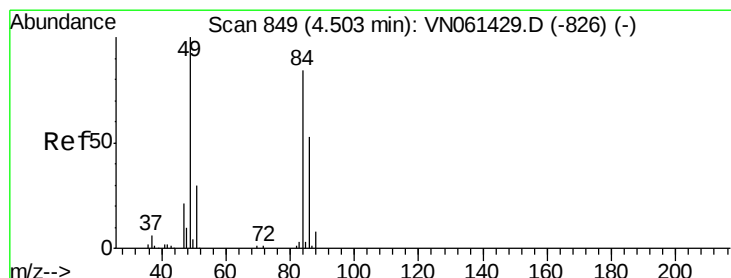
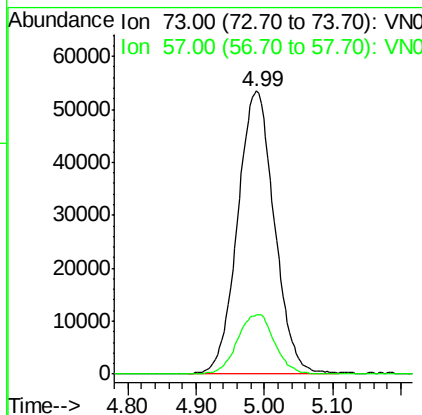
#19
Methvl tert-butvl Ether
Concen: 19.913 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tot Ion: 73 Resp: 199974
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

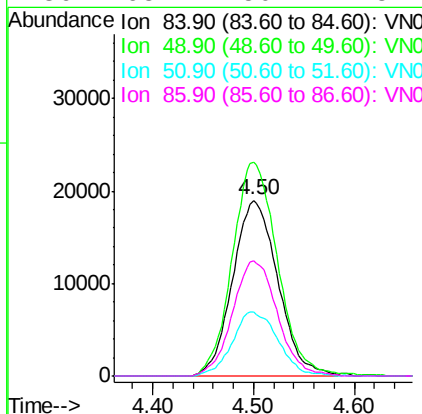
Manual Integrations
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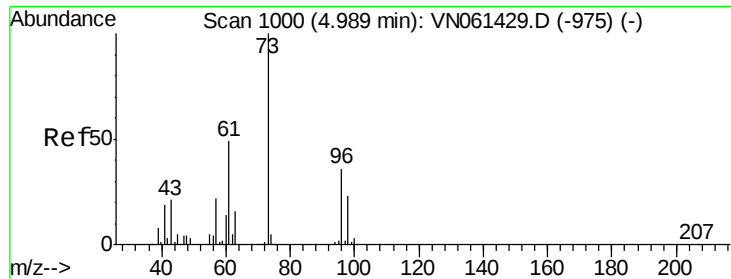
MMDadoda
5/19/2020 4:25:17 PM



#20
Methylene Chloride
Concen: 18.725 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 84 Resp: 59295
Ion Ratio Lower Upper
84 100
49 121.4 95.3 142.9
51 36.1 29.0 43.6
86 65.7 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 18.975 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

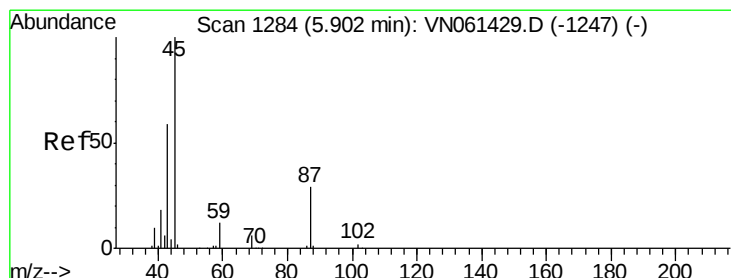
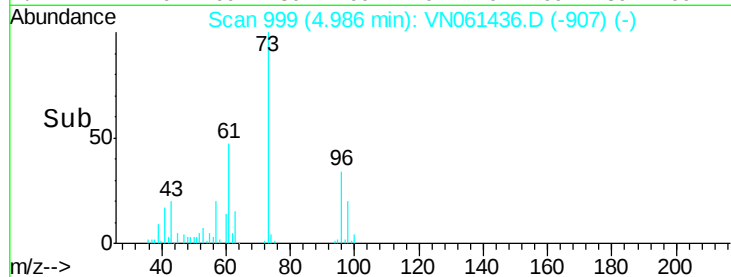
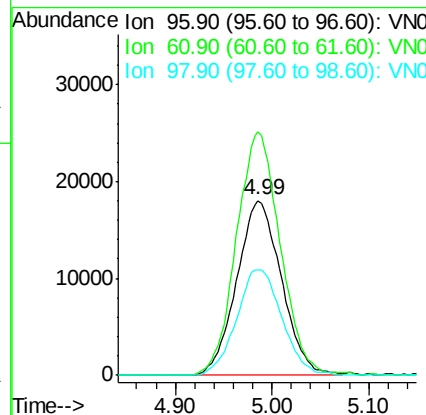
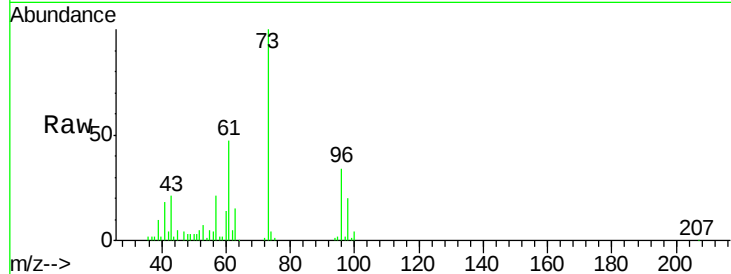
ClientSampleId :

VN0518MBS01

Tot Ion:	96	Resp:	57900
Ion	Ratio	Lower	Upper
96	100		
61	139.5	109.8	164.6
98	60.2	52.4	78.6

Manual Integrations
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5/19/2020 4:25:17 PM



#22

Diisopropyl ether

Concen: 19.633 ug/l

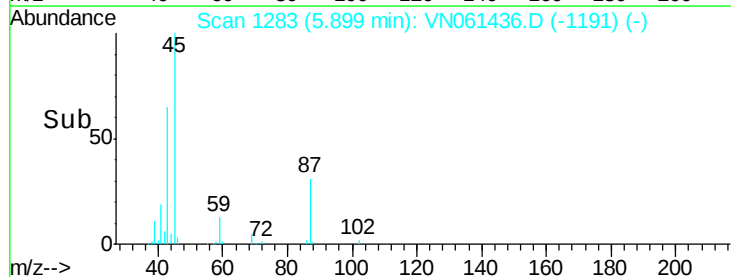
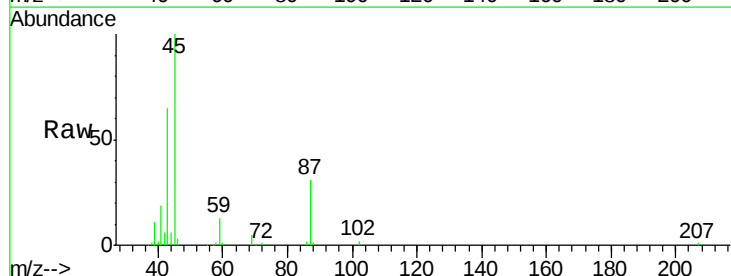
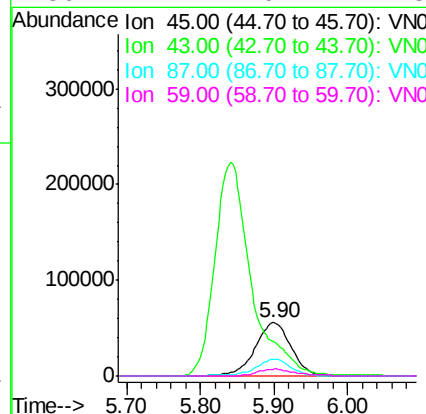
RT: 5.90 min Scan# 1283

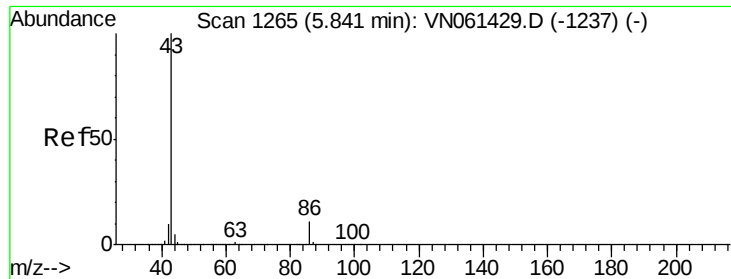
Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion:	45	Resp:	190000
Ion	Ratio	Lower	Upper
45	100		
43	62.6	47.9	71.9
87	31.1	24.0	36.0
59	12.7	9.7	14.5





#23

Vinyl Acetate

Concen: 100.234 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 43 Resp: 771371

Ion Ratio Lower Upper

43 100

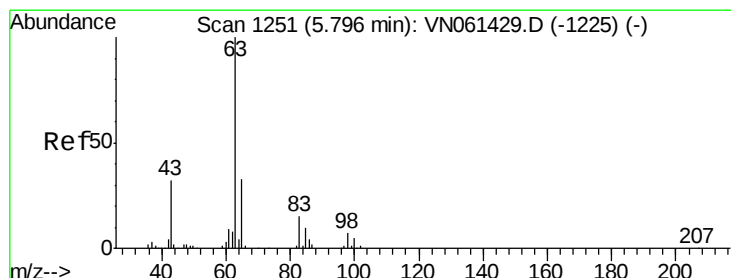
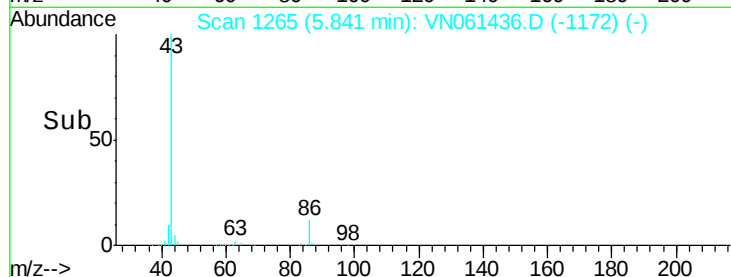
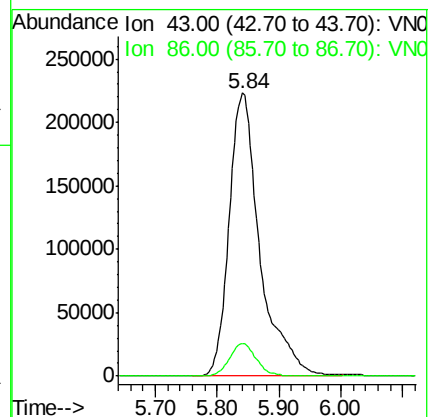
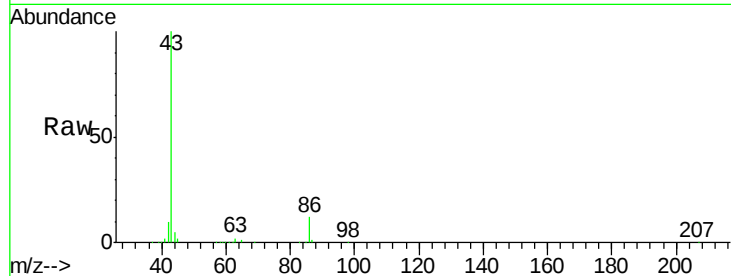
86 11.6 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.459 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

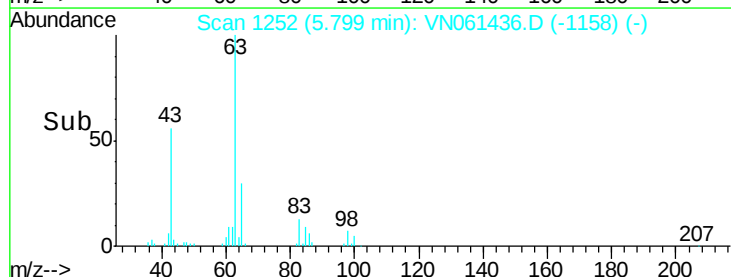
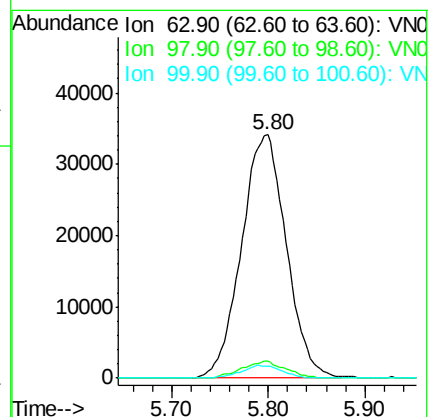
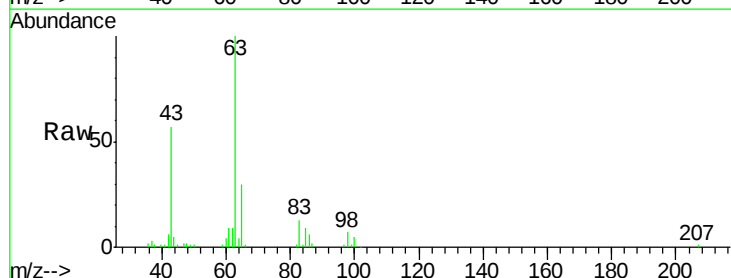
Tgt Ion: 63 Resp: 109837

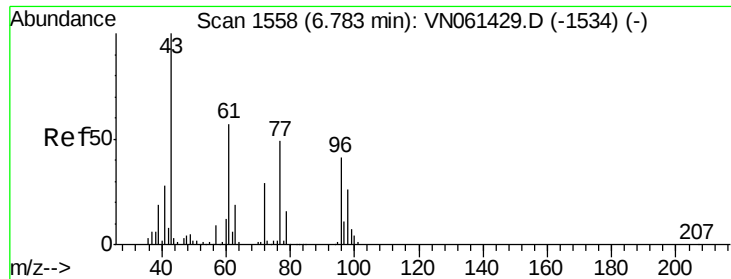
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.5

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 98.995 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 43 Resp: 173667

Ion Ratio Lower Upper

43 100

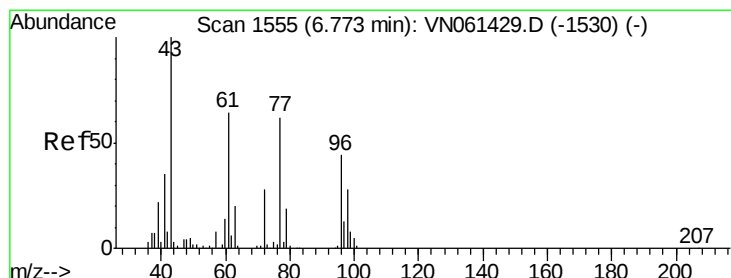
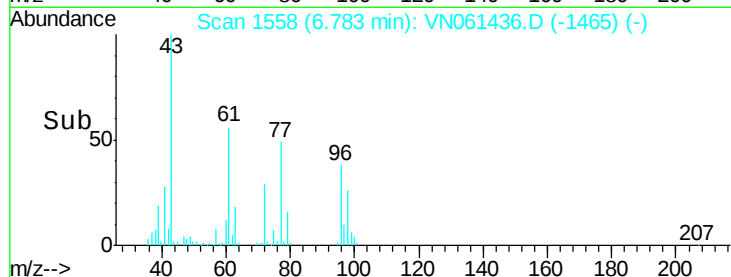
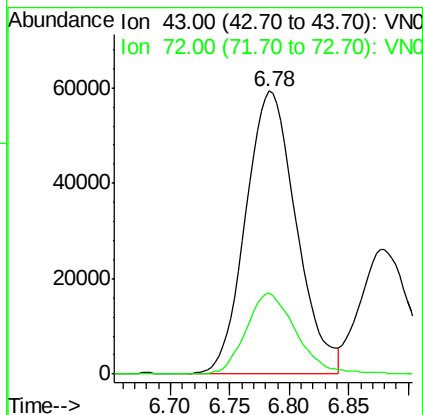
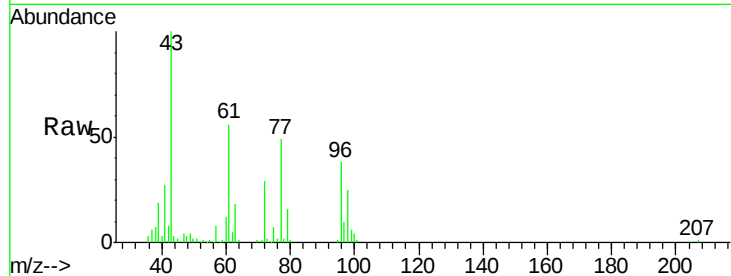
72 28.6 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 18.515 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061436.D

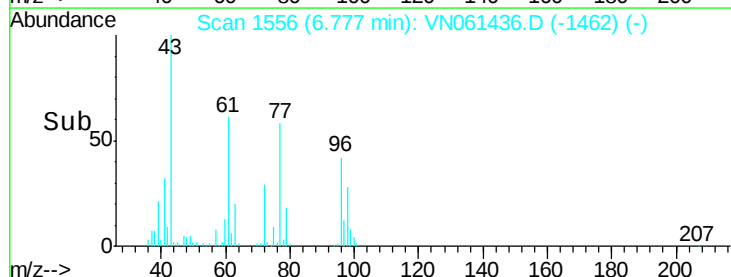
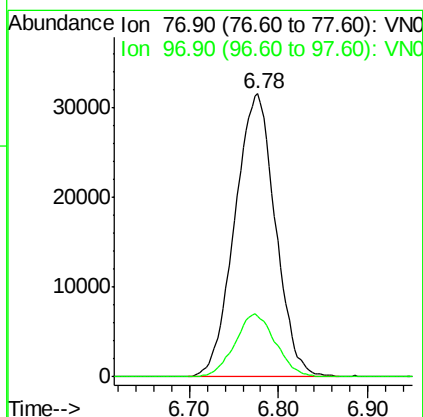
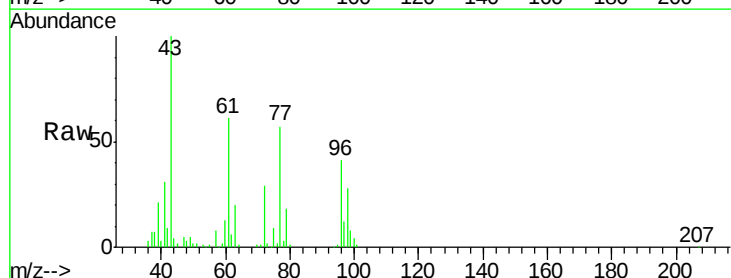
Acq: 18 May 2020 15:54

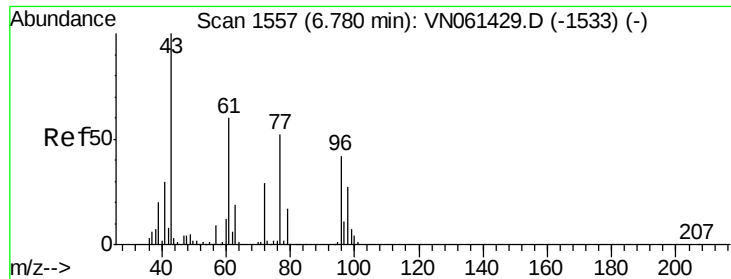
Tgt Ion: 77 Resp: 99626

Ion Ratio Lower Upper

77 100

97 22.2 10.9 32.9





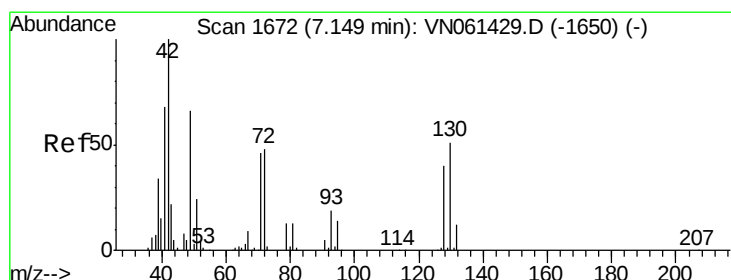
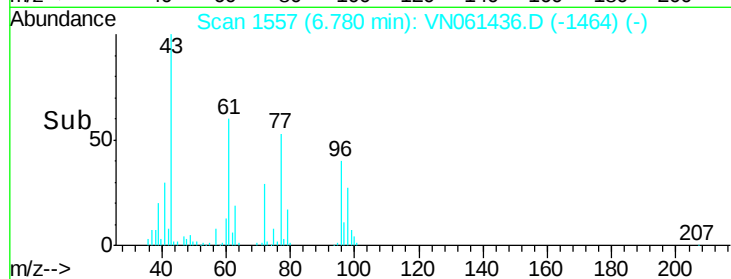
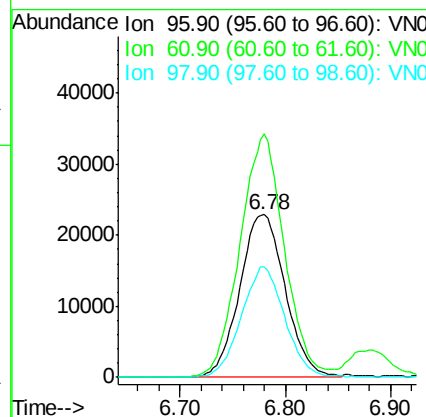
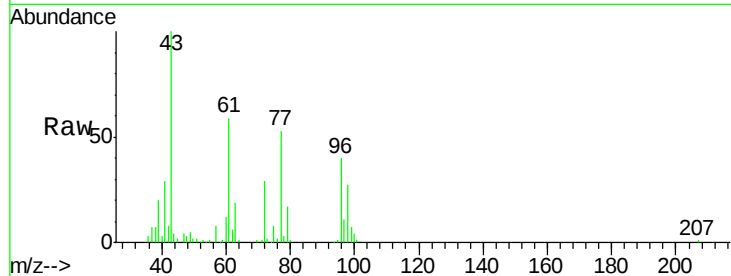
#27
 cis-1,2-Dichloroethene
 Concen: 19.085 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68790		
61	145.6	0.0	294.2	
98	64.9	0.0	128.2	

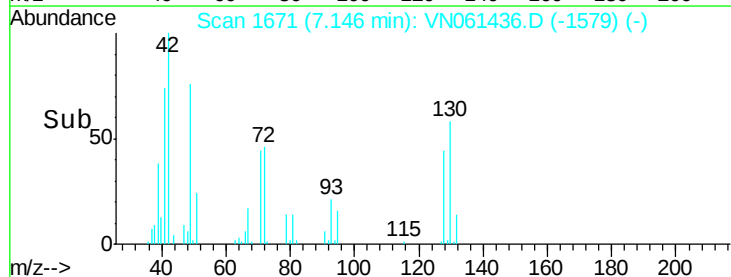
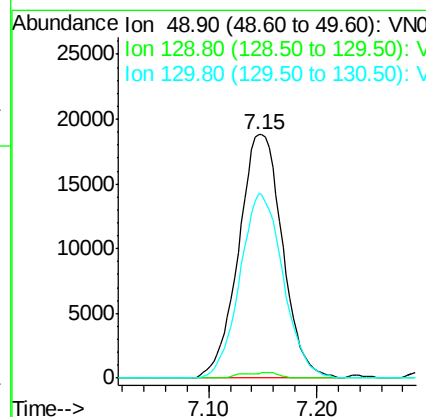
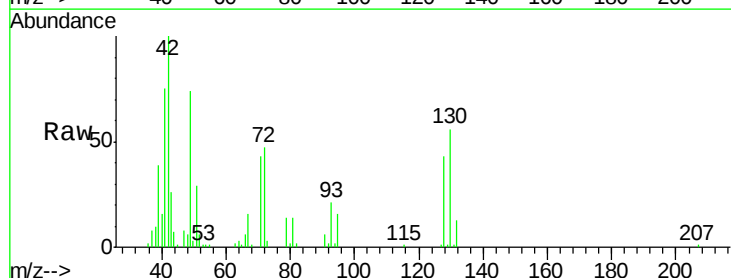
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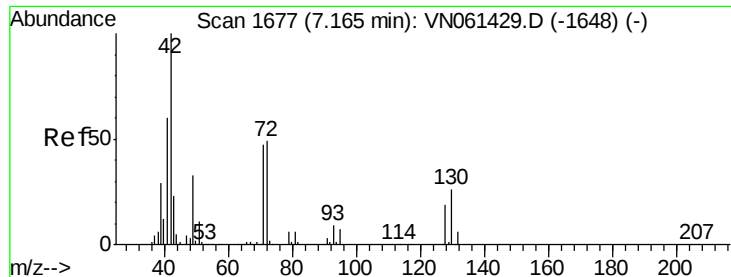
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#28
 Bromochloromethane
 Concen: 22.183 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	53150		
129	1.1	0.0	4.6	
130	74.7	62.2	93.2	





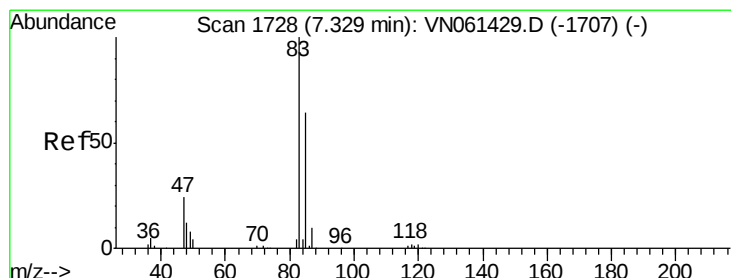
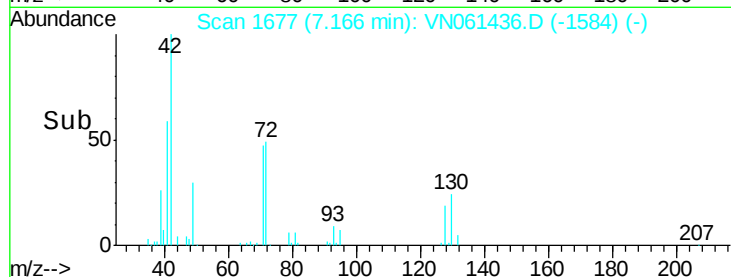
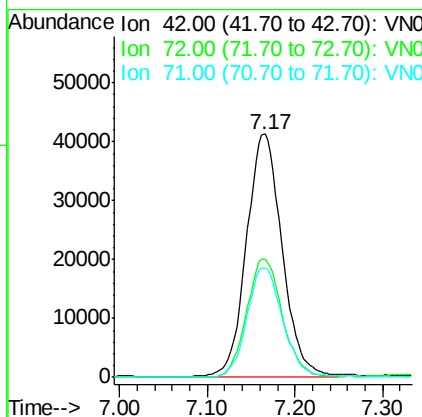
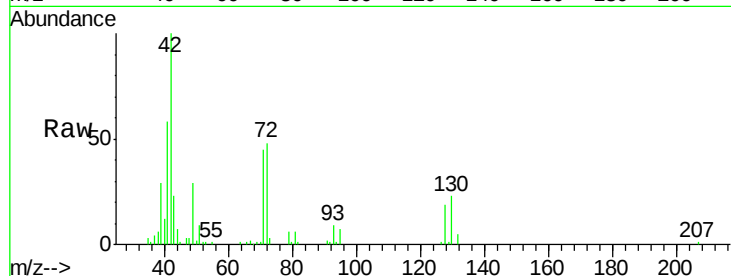
#29
Tetrahydrofuran
Concen: 101.279 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	39.0	58.6
71	45.1	36.9	55.3

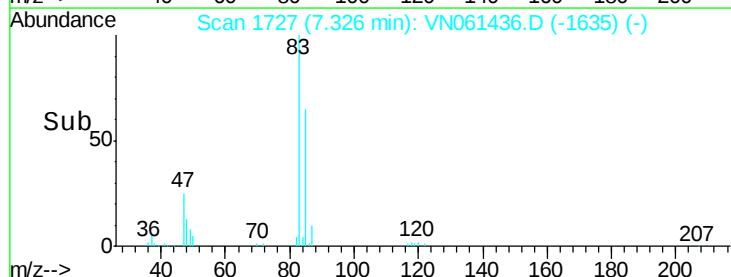
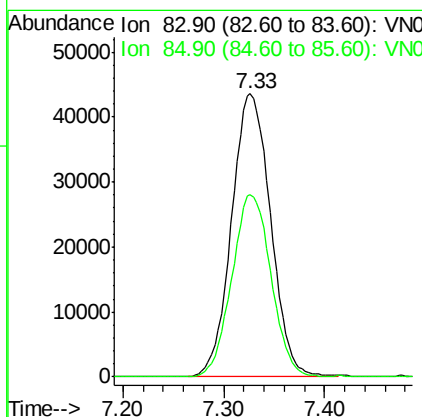
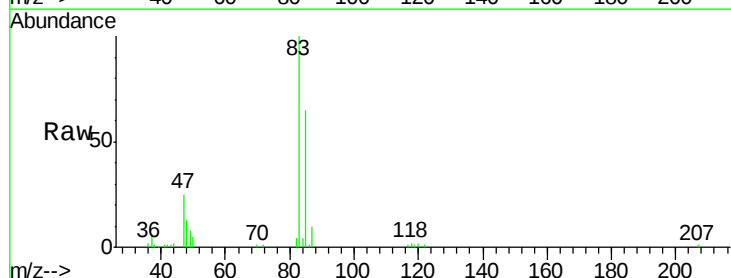
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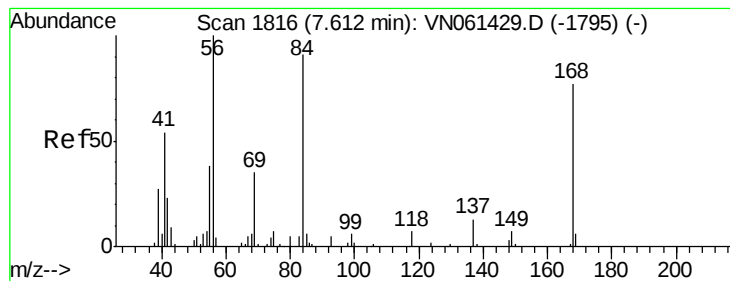
MMDadoda
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#30
Chloroform
Concen: 19.857 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.4





#31

Cyclohexane

Concen: 18.243 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 56 Resp: 100032

Ion Ratio Lower Upper

56 100

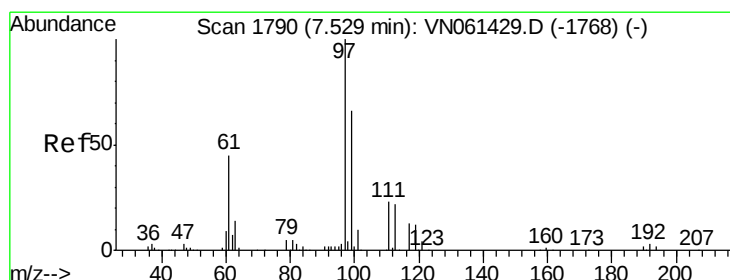
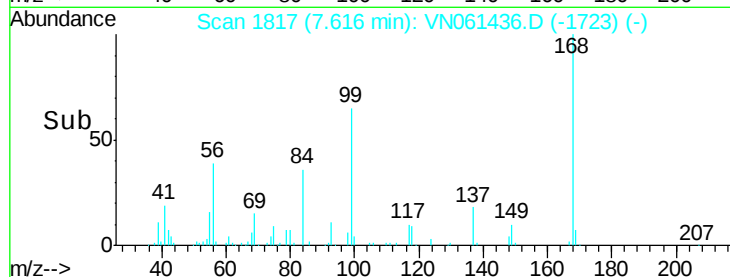
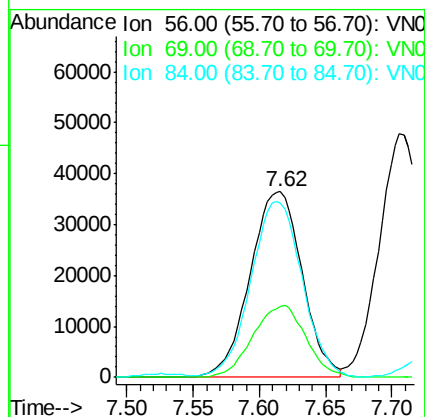
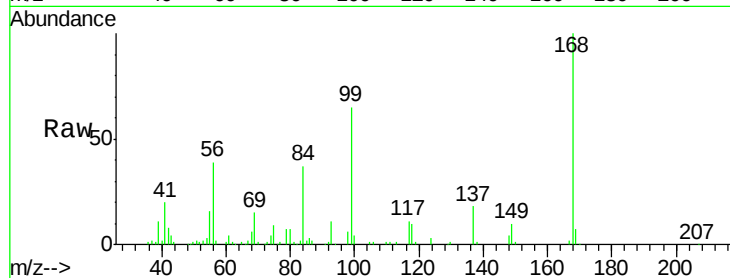
69 37.9 27.8 41.6

84 92.9 72.7 109.1

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#32

1,1,1-Trichloroethane

Concen: 18.908 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

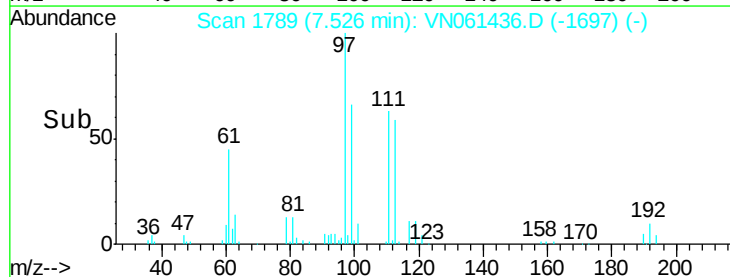
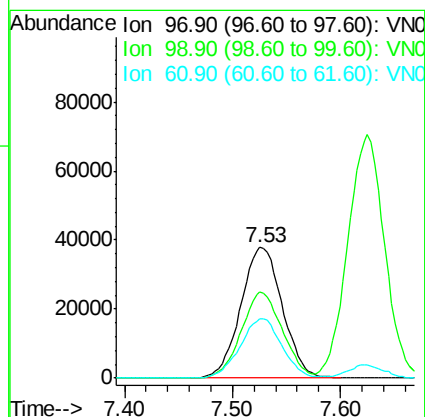
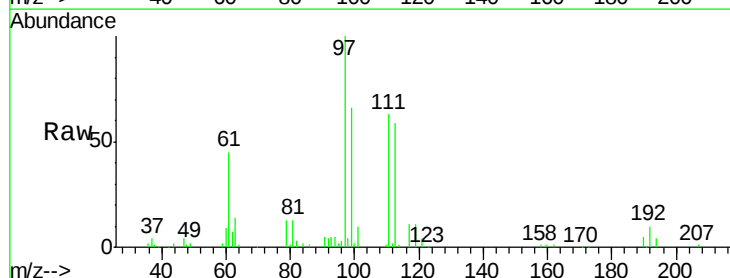
Tgt Ion: 97 Resp: 101866

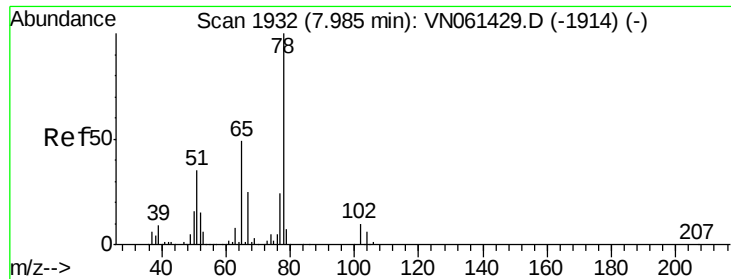
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 45.6 35.8 53.6





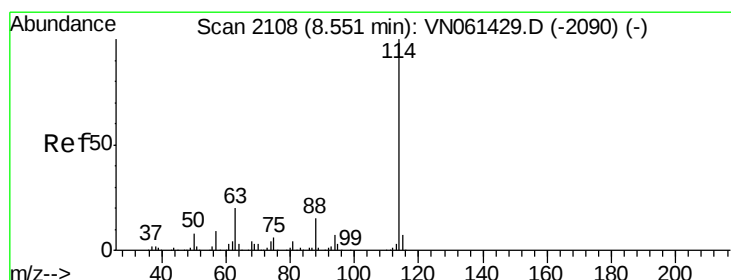
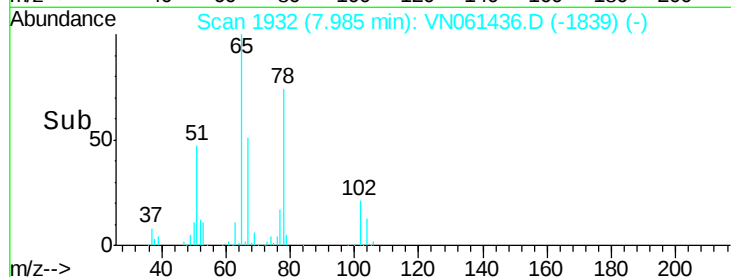
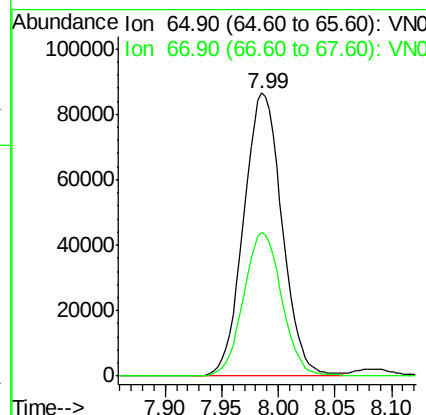
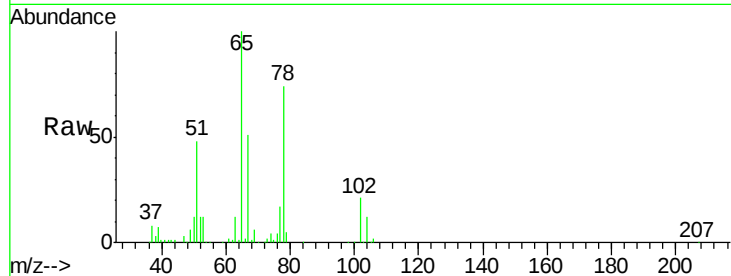
#33
 1,2-Dichloroethane-d4
 Concen: 53.079 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	204513		
67	50.8	0.0	101.4	

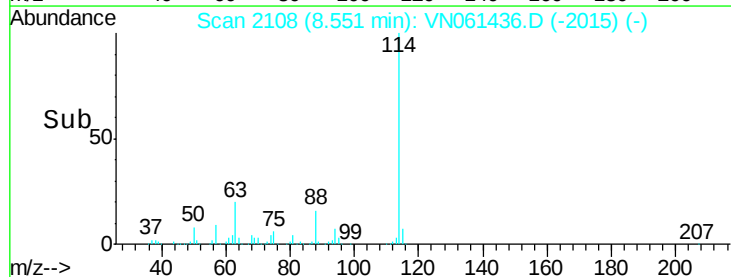
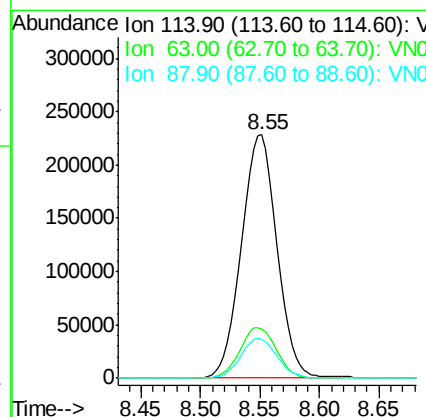
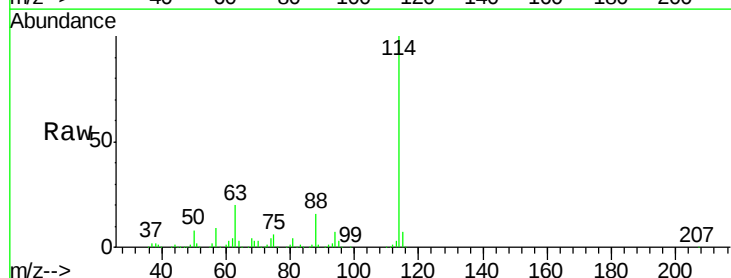
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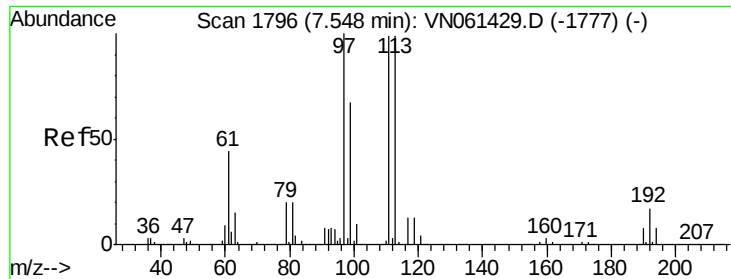
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	473492		
63	20.3	0.0	40.8	
88	16.1	0.0	30.8	





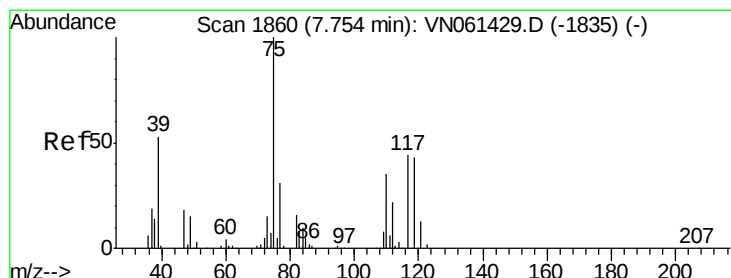
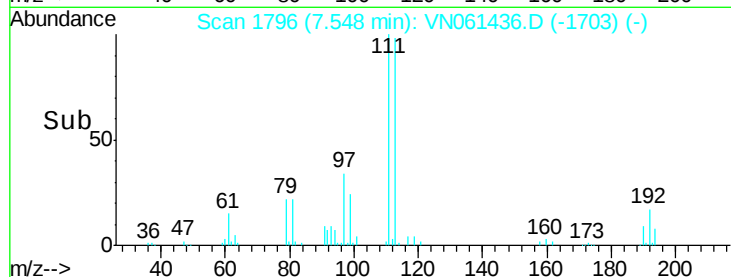
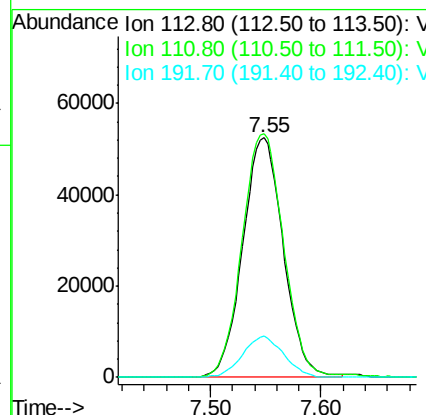
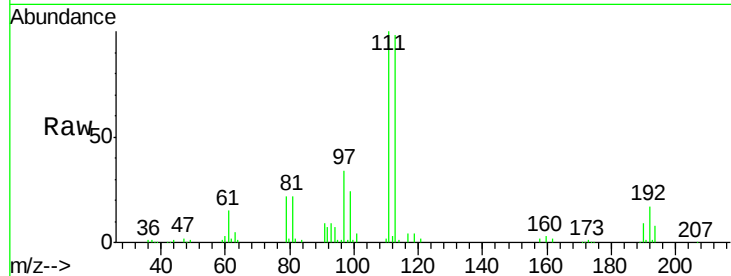
#35
 Dibromofluoromethane
 Concen: 53.949 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	80.6	121.0	
192	17.4	13.2	19.8	

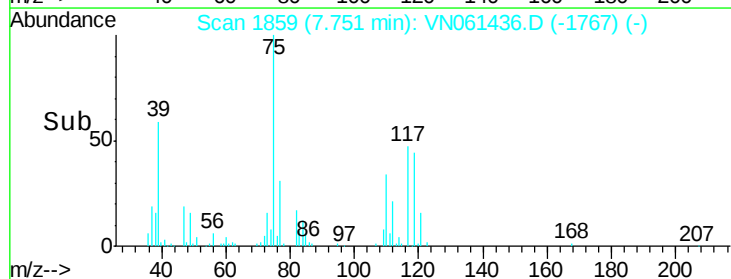
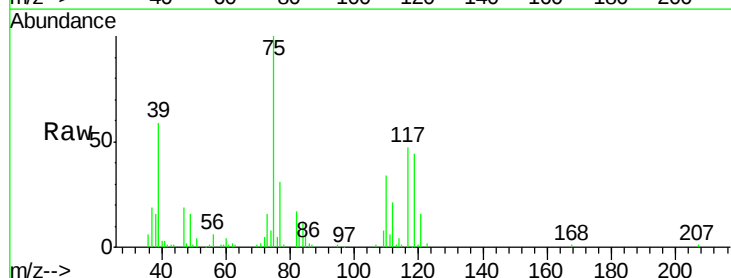
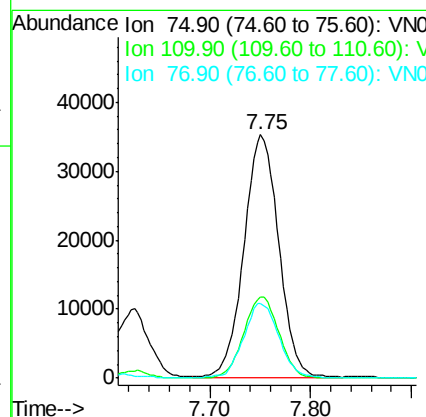
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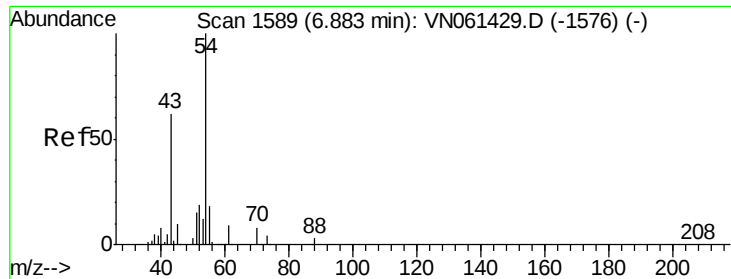
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#36
 1,1-Dichloropropene
 Concen: 19.187 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.3	17.3	51.9	
77	31.1	24.9	37.3	





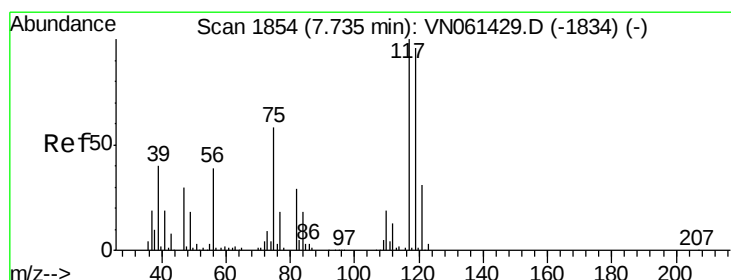
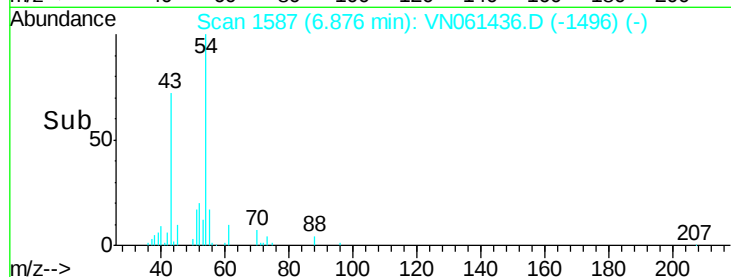
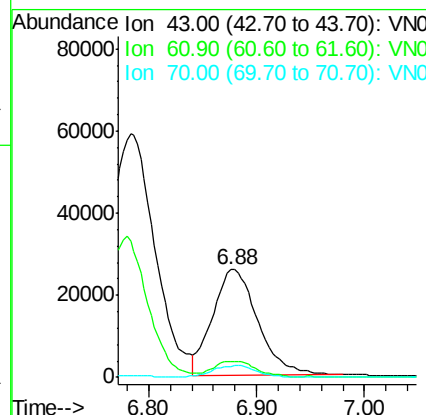
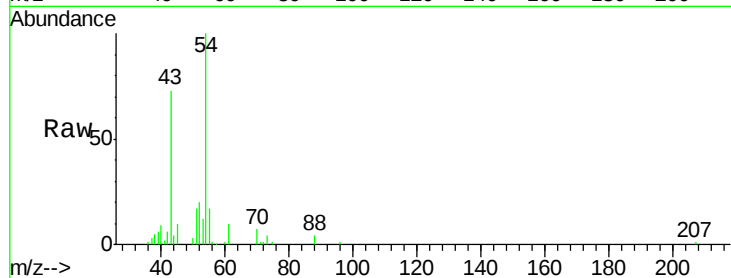
#37
Ethyl Acetate
Concen: 18.815 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.7	17.5
70	10.9	9.2	13.8

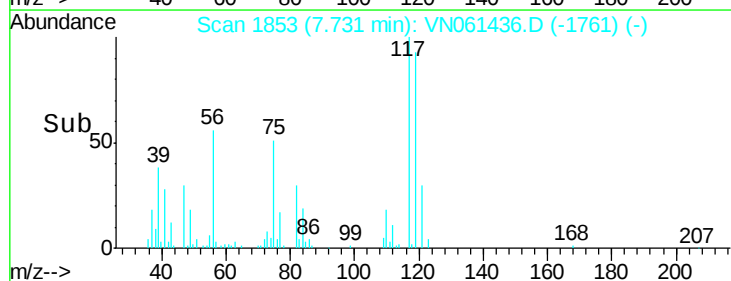
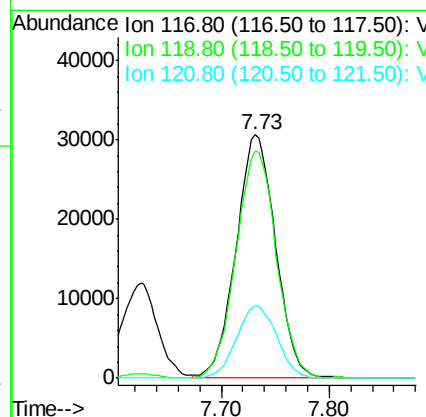
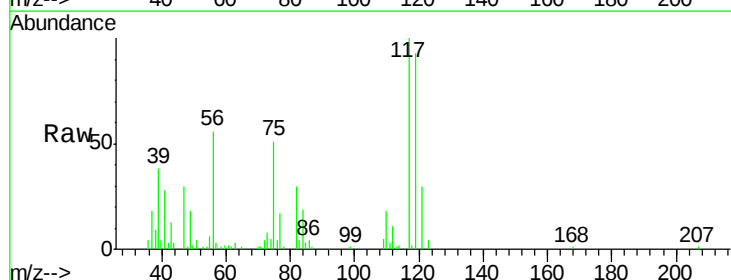
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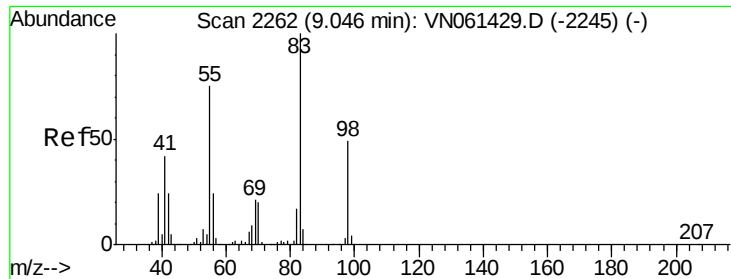
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.174 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	77.0	115.6
121	29.6	24.7	37.1





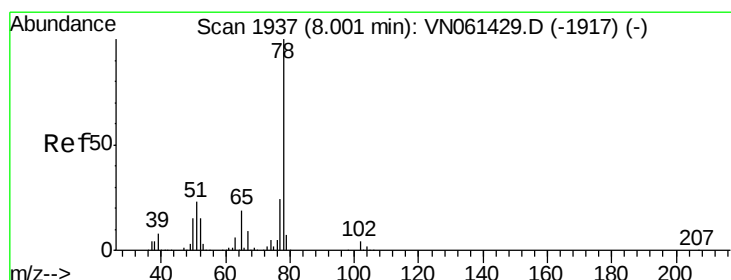
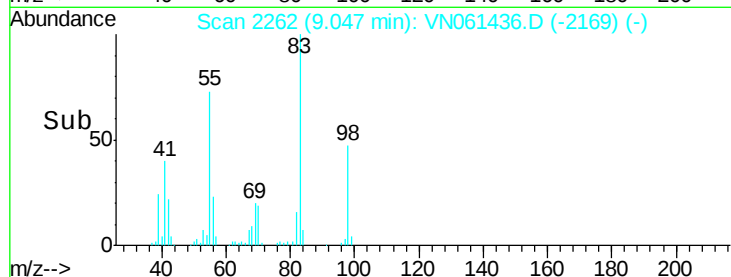
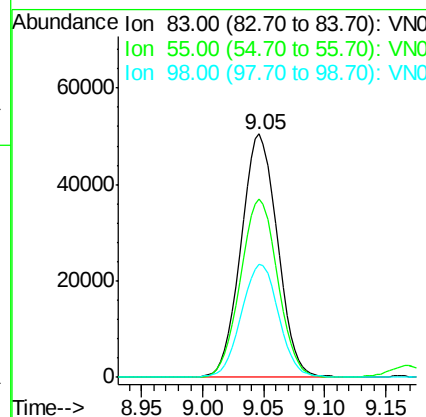
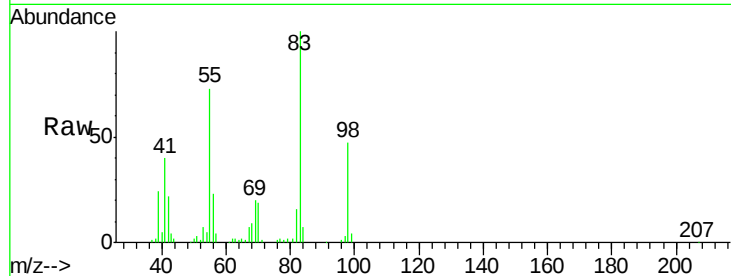
#39
Methvlcvclohexane
Concen: 19.277 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	73.0		59.7	89.5
98	46.5		38.9	58.3

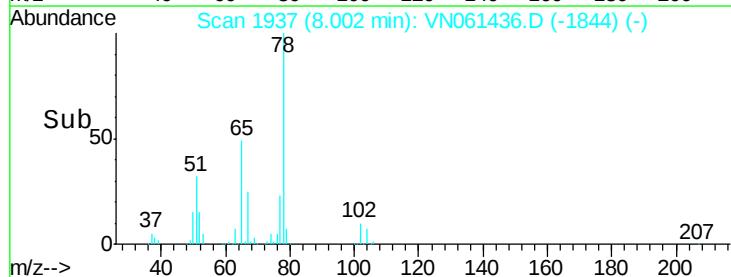
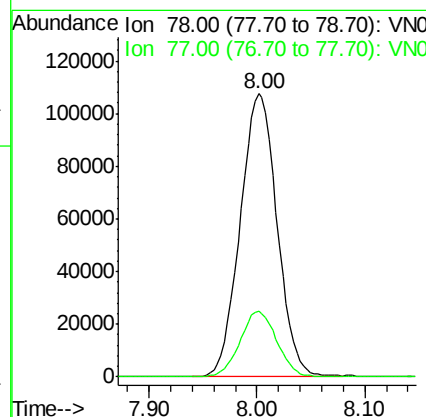
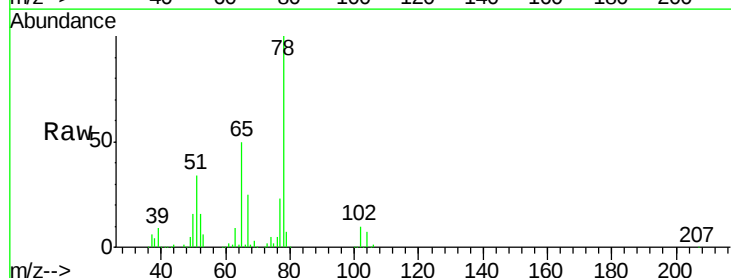
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#40
Benzene
Concen: 19.171 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1		19.1	28.7





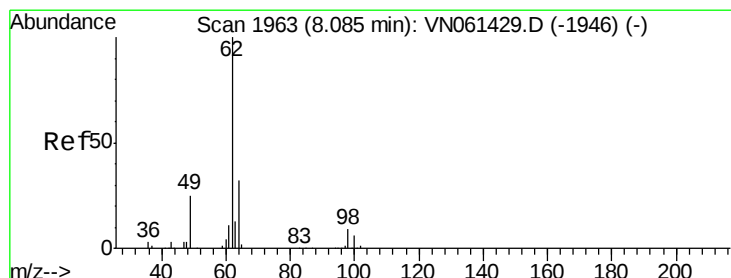
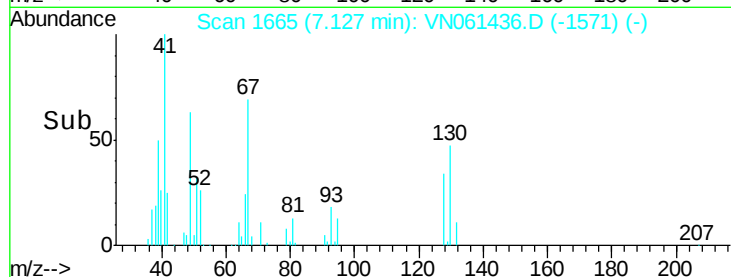
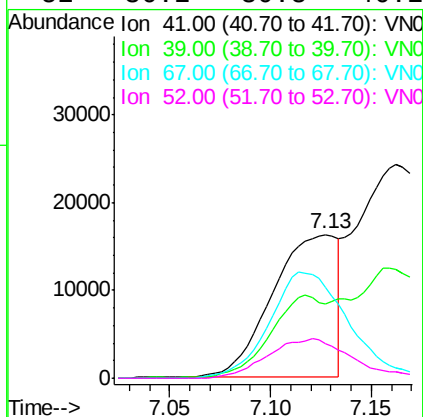
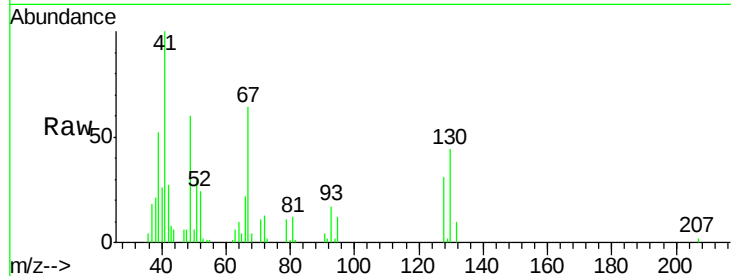
#41
Methacrylonitrile
Concen: 21.342 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.1	48.3	72.5#
67	91.3	74.2	111.4
52	36.2	30.8	46.2

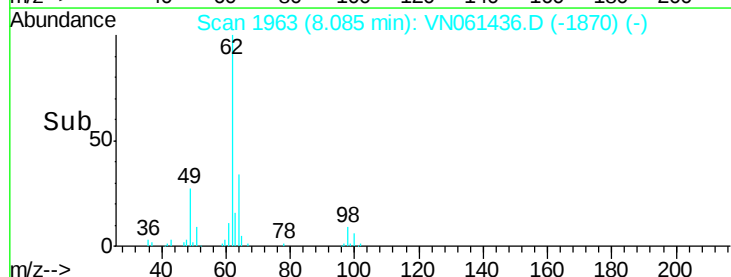
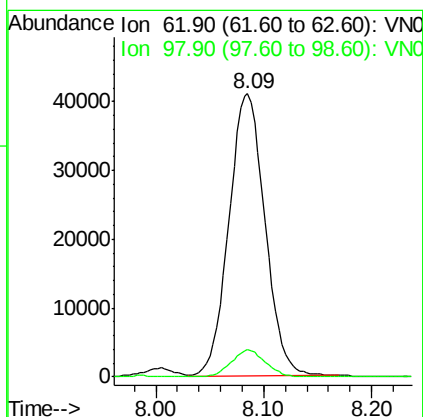
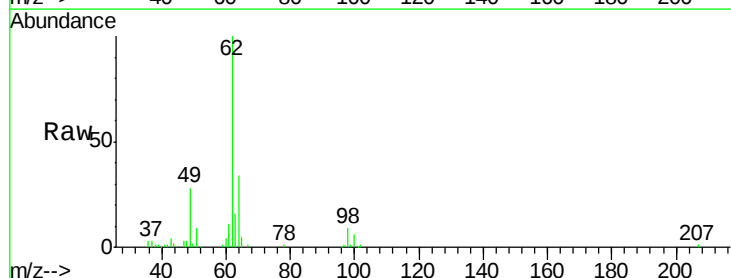
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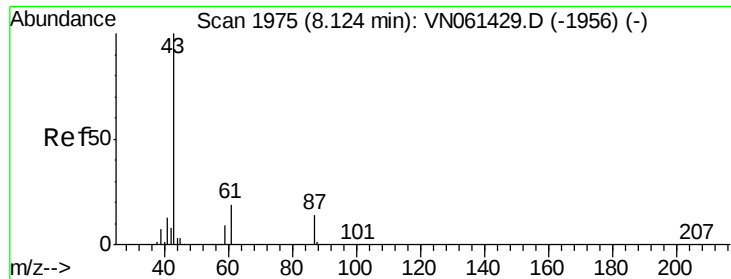
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.893 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.4





#43

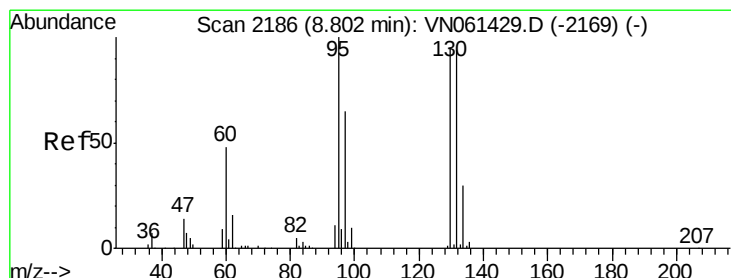
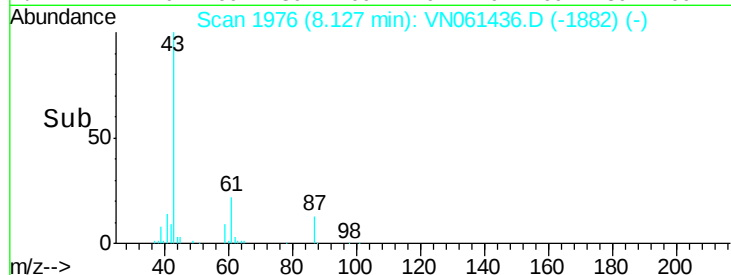
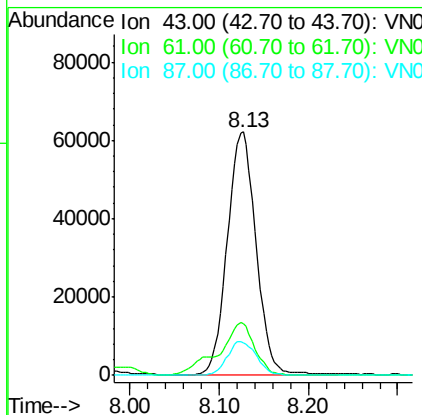
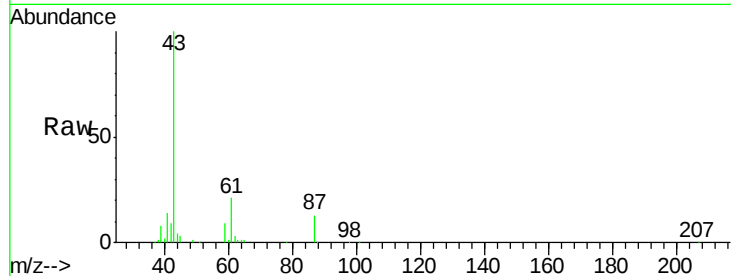
Isopropyl Acetate
 Concen: 19.730 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.7	23.0	34.4#
87	14.1	11.6	17.4

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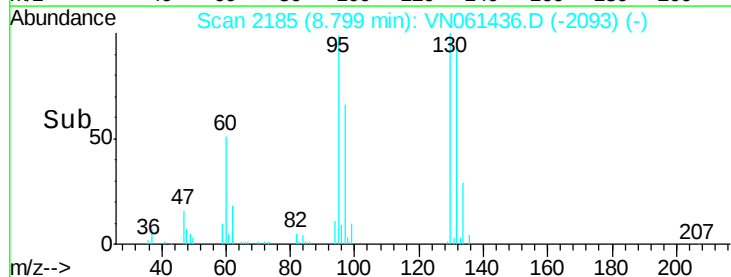
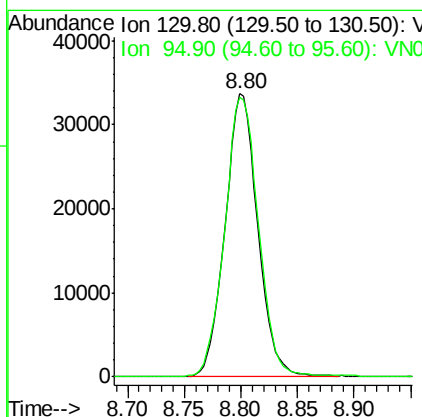
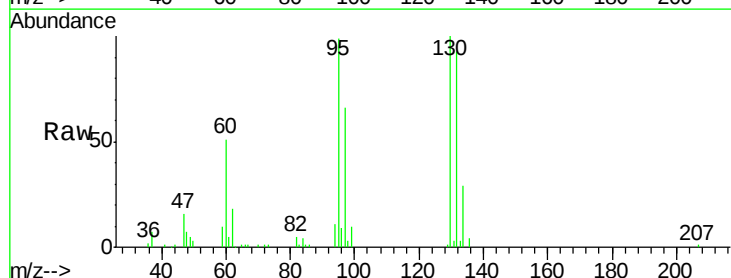
MMDadoda
 5/19/2020 4:25:17 PM

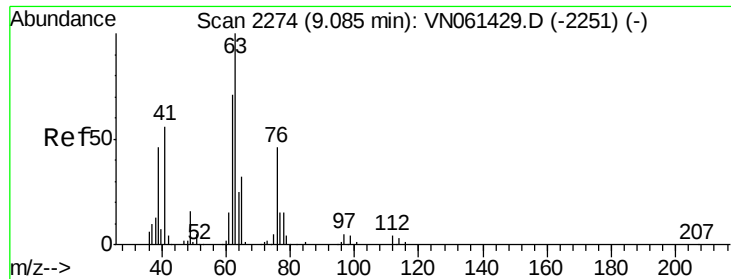


#44

Trichloroethene
 Concen: 19.374 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	209.8





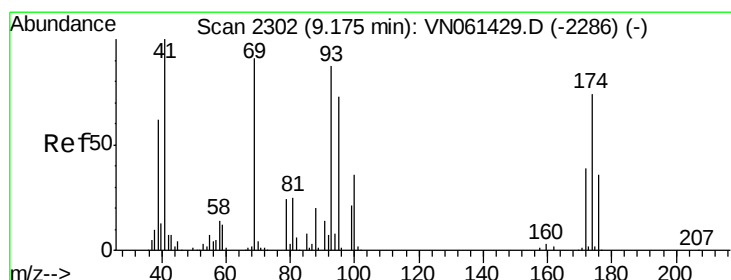
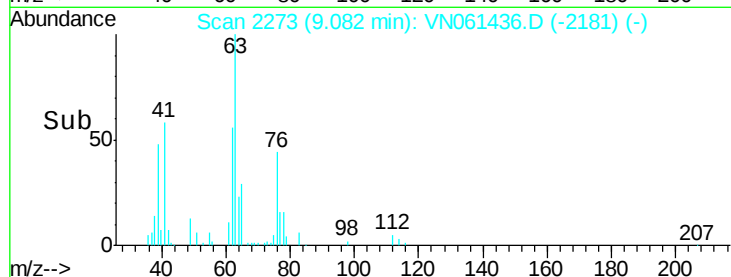
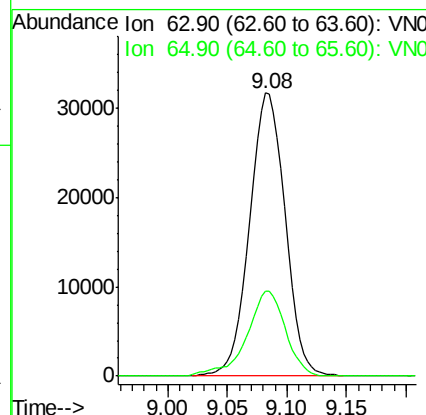
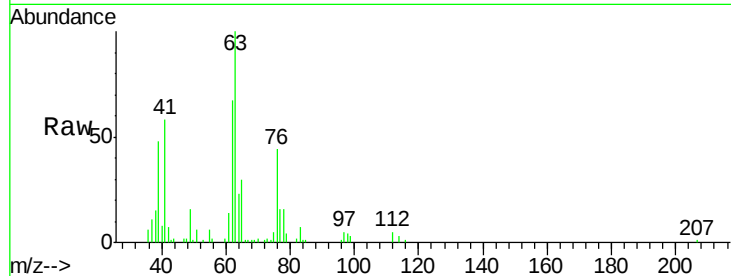
#45
 1,2-Dichloropropane
 Concen: 19.747 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion: 63 Resp: 65948
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8

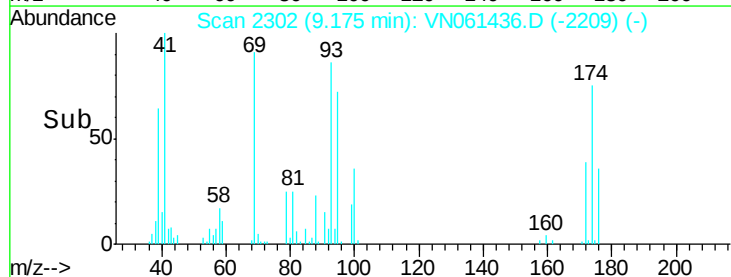
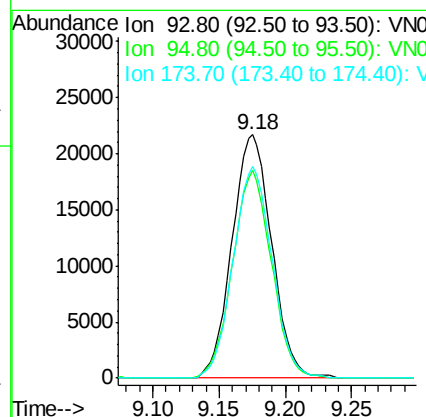
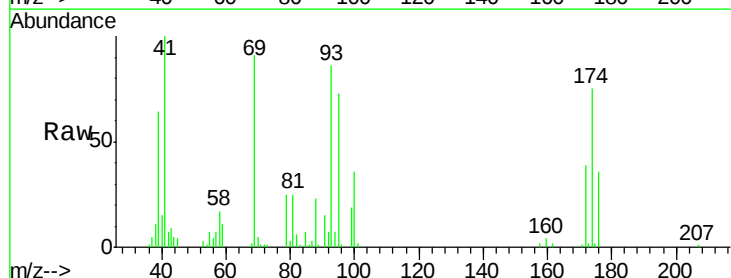
Manual Integrations
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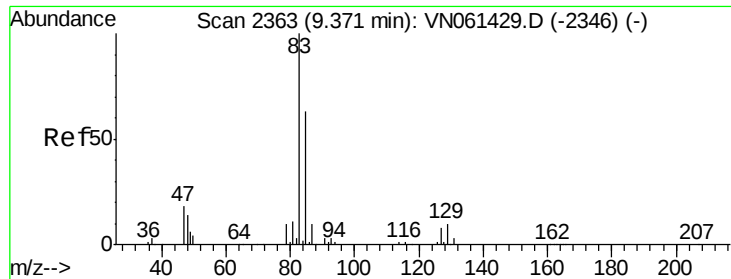
MMDadoda
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#46
 Dibromomethane
 Concen: 19.225 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 93 Resp: 45008
 Ion Ratio Lower Upper
 93 100
 95 83.7 65.6 98.4
 174 85.7 68.0 102.0





#47

Bromodichloromethane

Concen: 19.438 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

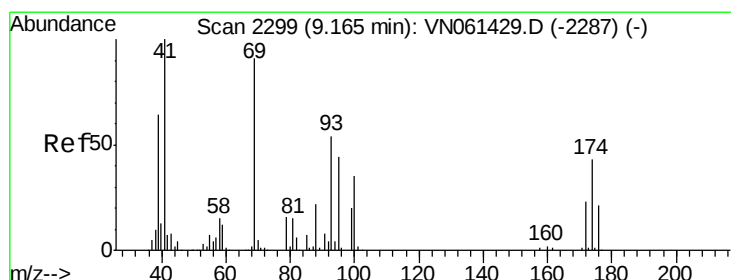
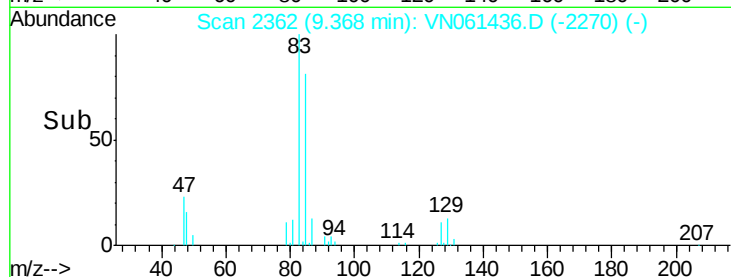
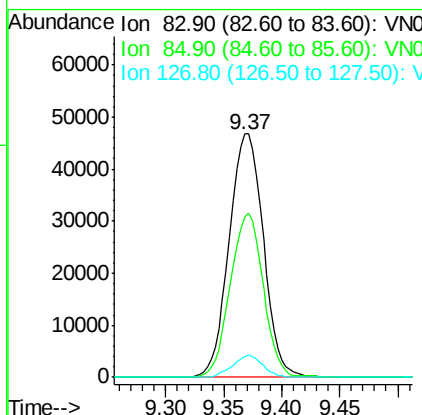
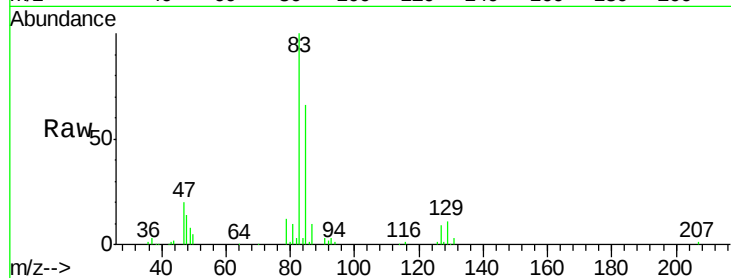
ClientSampleId :

VN0518MBS01

Tot Ion:	83	Resp:	95883
Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.6	76.0
127	8.8	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.020 ug/l

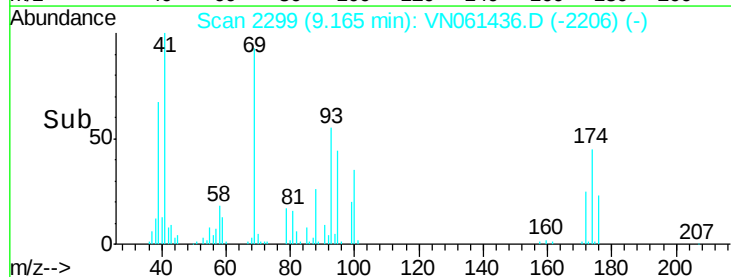
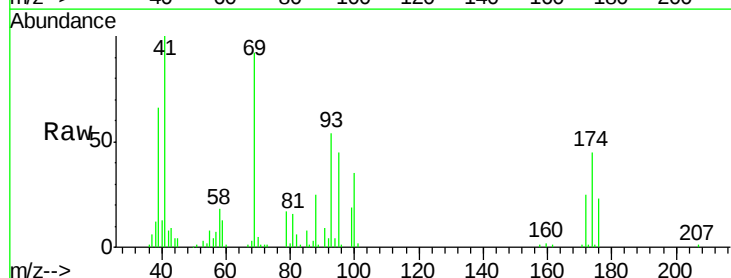
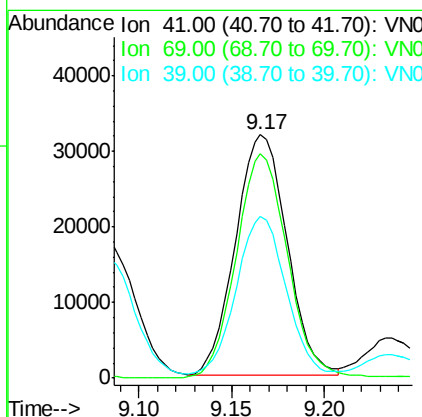
RT: 9.17 min Scan# 2299

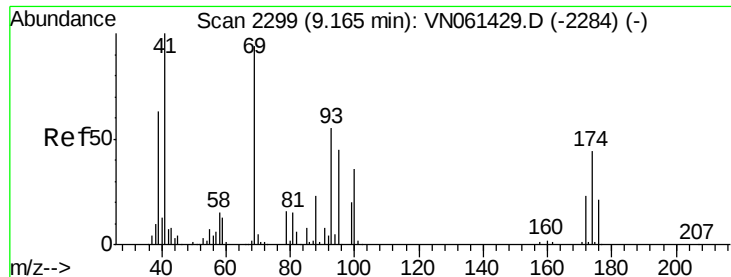
Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion:	41	Resp:	61532
Ion	Ratio	Lower	Upper
41	100		
69	93.0	75.3	112.9
39	62.8	52.6	79.0





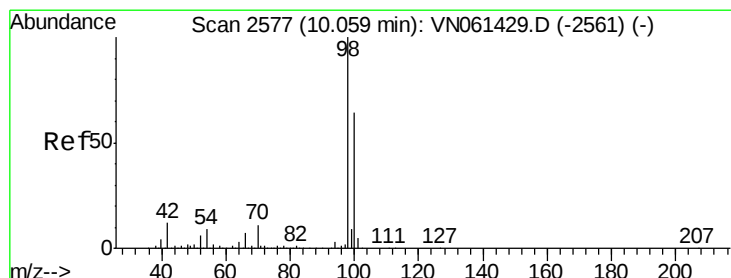
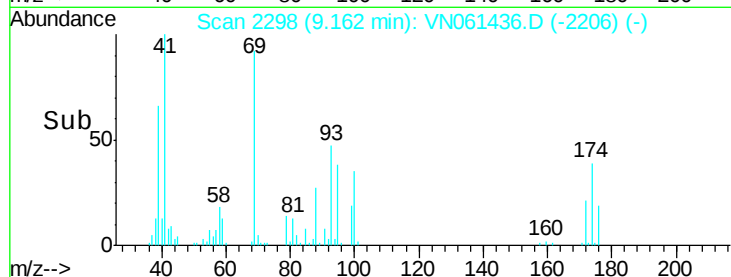
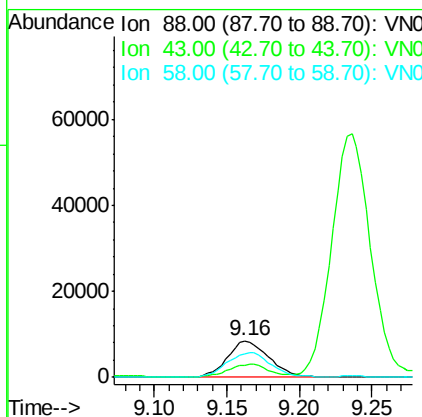
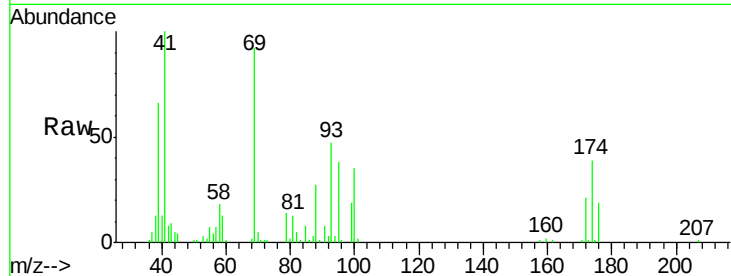
#49
1,4-Dioxane
Concen: 479.887 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.3	26.3	39.5
58	72.6	54.1	81.1

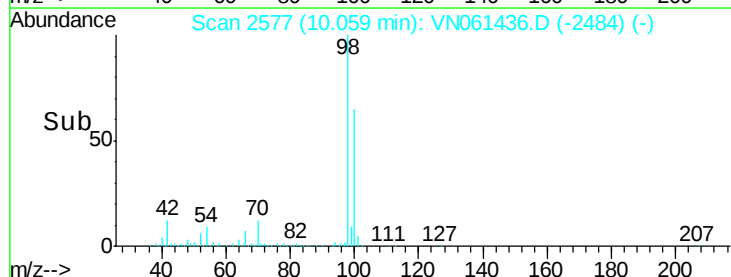
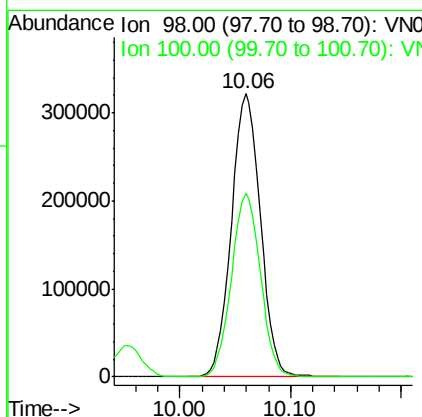
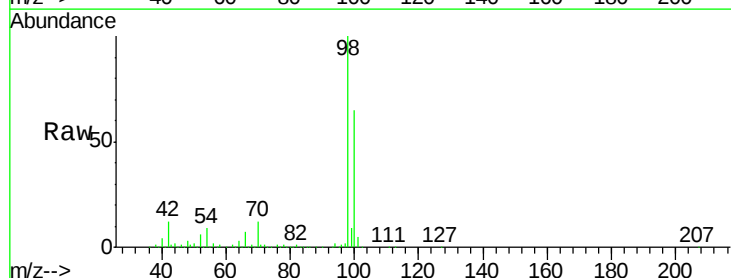
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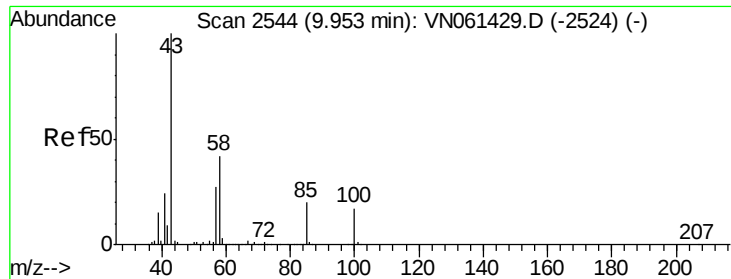
MMDadoda
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#50
Toluene-d8
Concen: 51.193 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 101.079 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 43 Resp: 385602

Ion Ratio Lower Upper

43 100

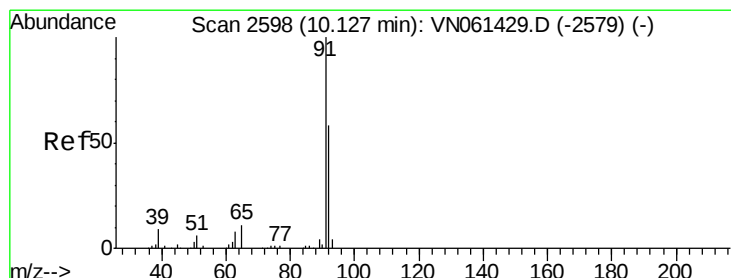
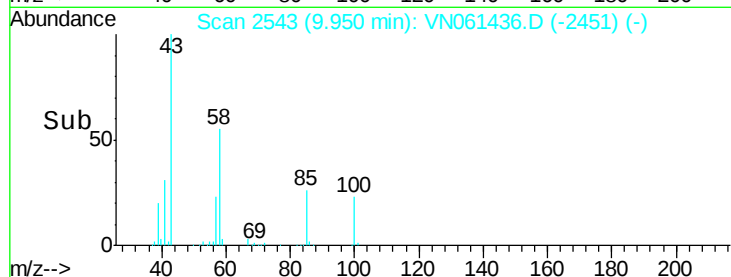
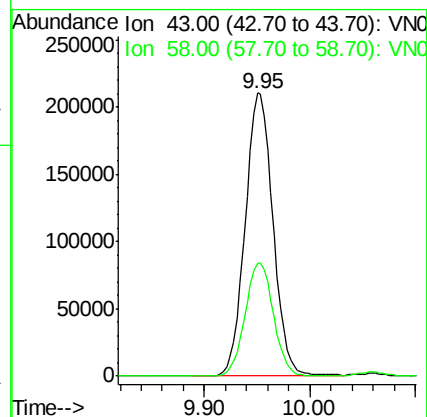
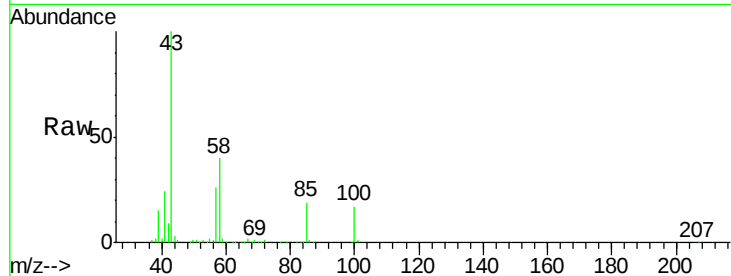
58 40.7 33.4 50.2

Manual Integrations

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#52

Toluene

Concen: 19.049 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061436.D

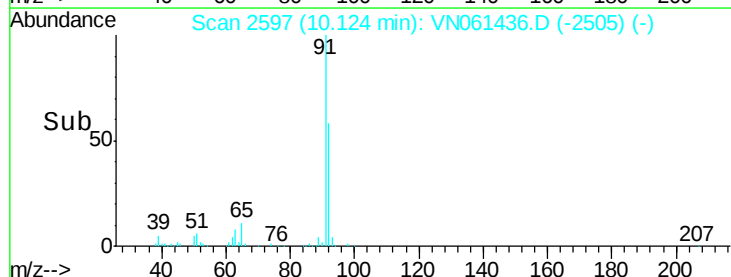
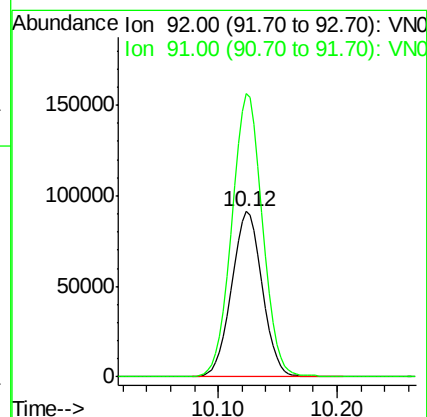
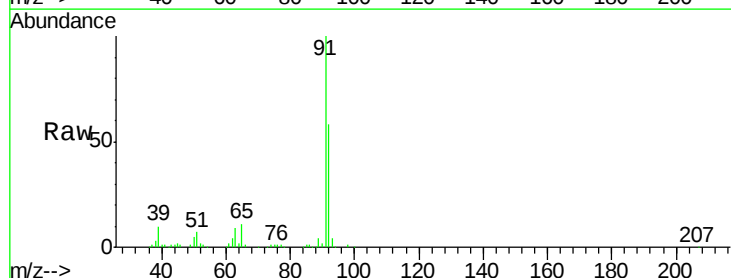
Acq: 18 May 2020 15:54

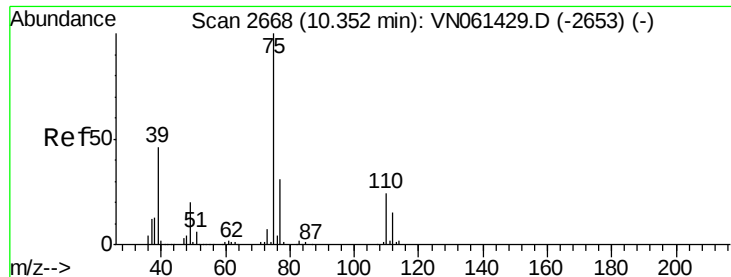
Tgt Ion: 92 Resp: 163167

Ion Ratio Lower Upper

92 100

91 171.3 138.0 207.0





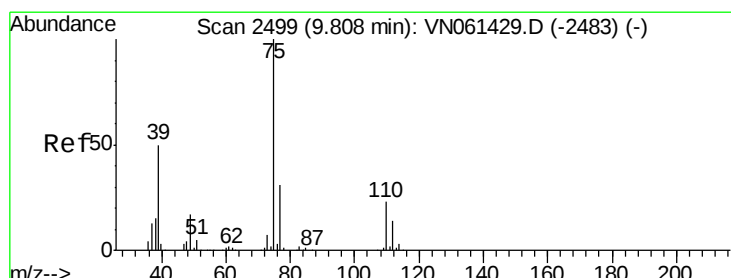
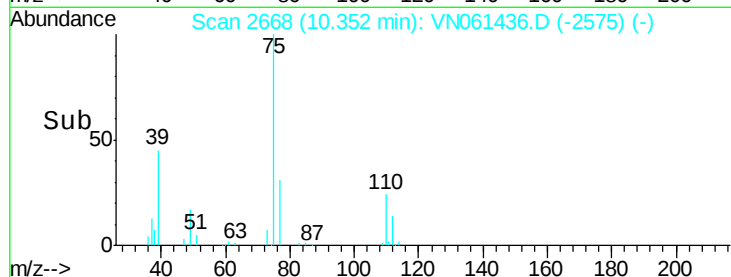
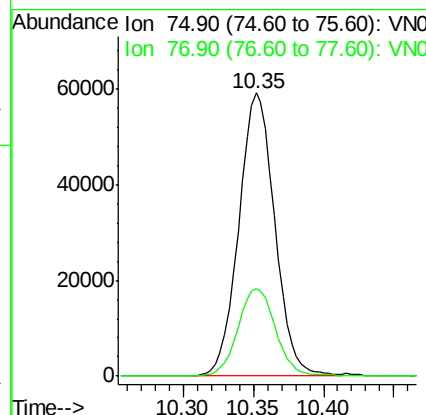
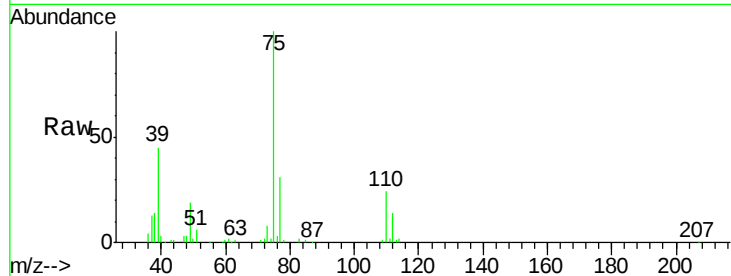
#53
t-1,3-Dichloropropene
Concen: 19.550 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion: 75 Resp: 105697
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

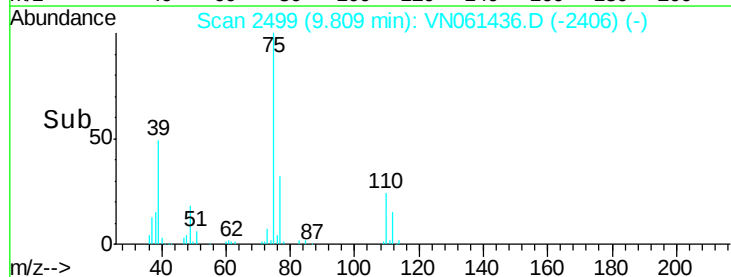
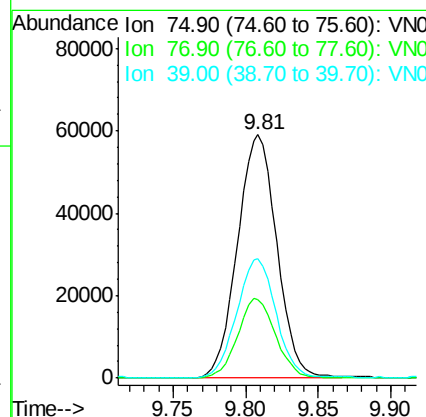
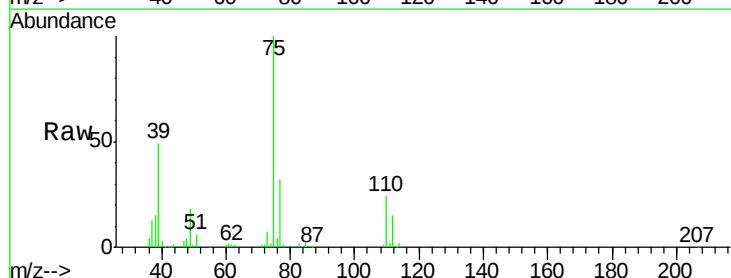
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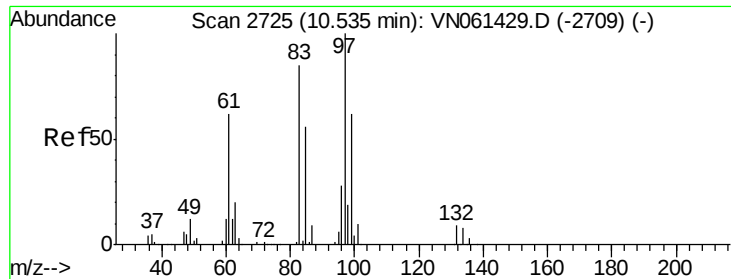
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#54
cis-1,3-Dichloropropene
Concen: 19.352 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 75 Resp: 111221
Ion Ratio Lower Upper
75 100
77 32.5 24.8 37.2
39 48.5 39.8 59.6





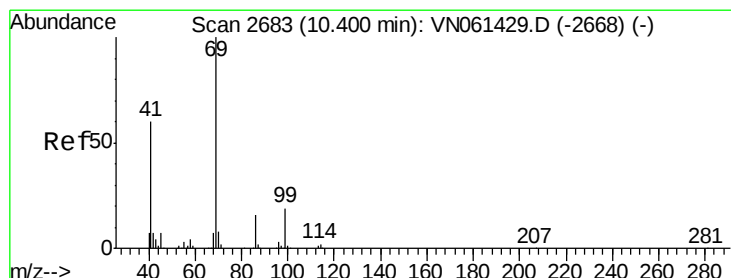
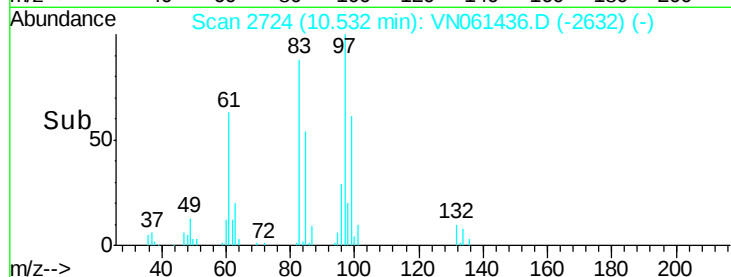
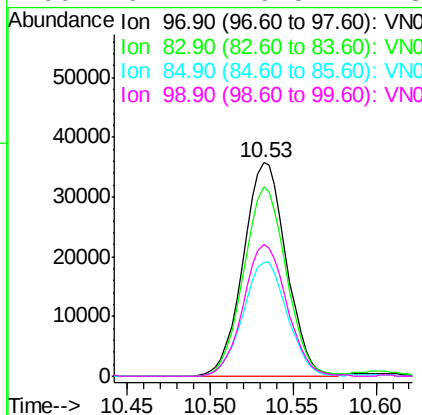
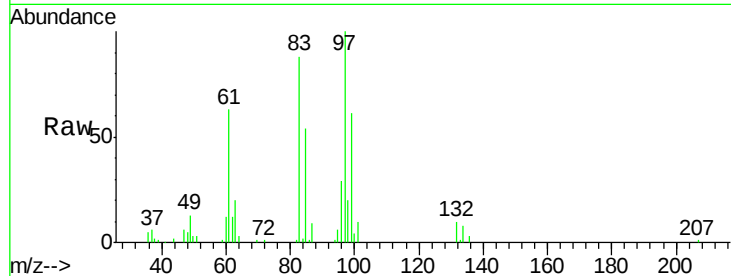
#55
 1,1,2-Trichloroethane
 Concen: 19.925 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion:	97	Resp:	64528
Ion	Ratio	Lower	Upper
97	100		
83	88.5	68.2	102.4
85	53.6	44.6	67.0
99	61.4	49.5	74.3

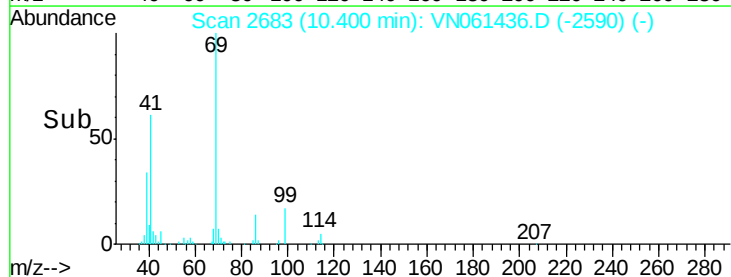
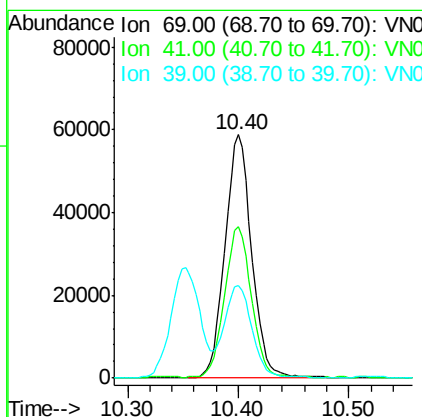
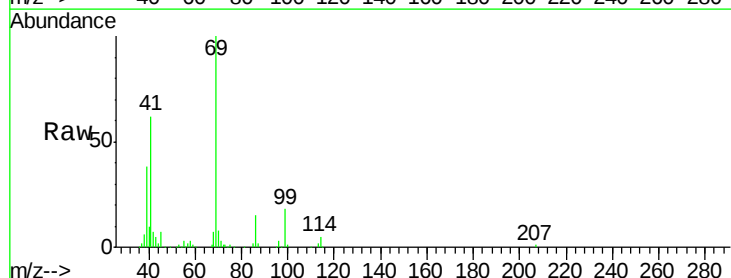
Manual Integrations
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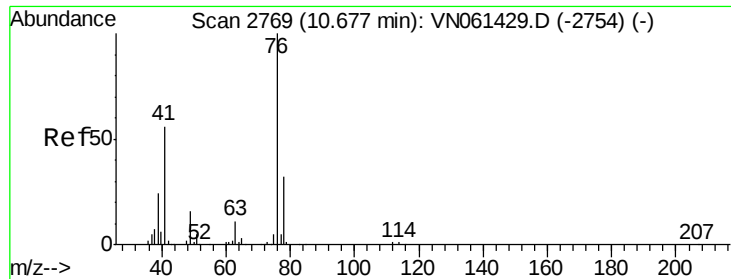
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#56
 Ethyl methacrylate
 Concen: 19.555 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion:	69	Resp:	99007
Ion	Ratio	Lower	Upper
69	100		
41	61.7	48.3	72.5
39	38.0	30.2	45.2





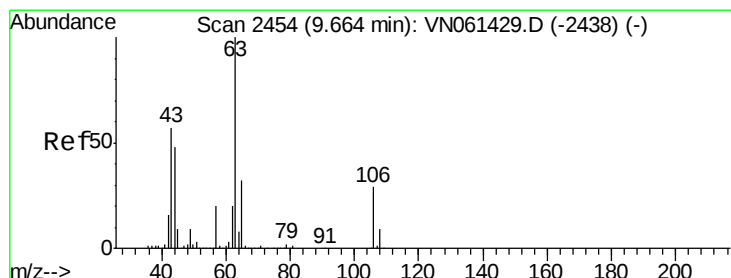
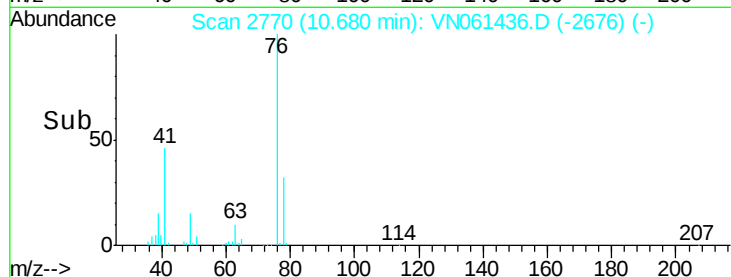
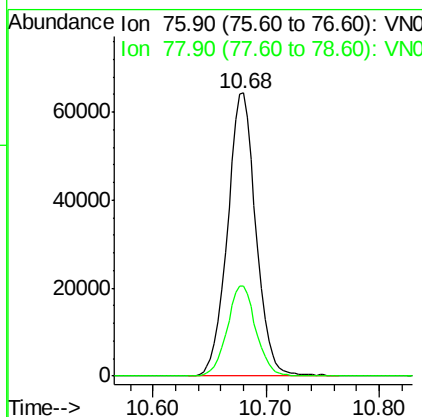
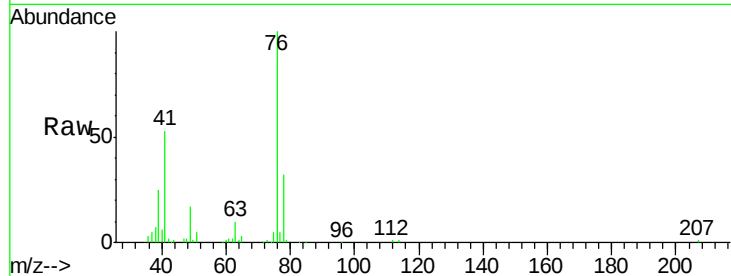
#57
 1,3-Dichloropropane
 Concen: 20.044 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.0	39.0

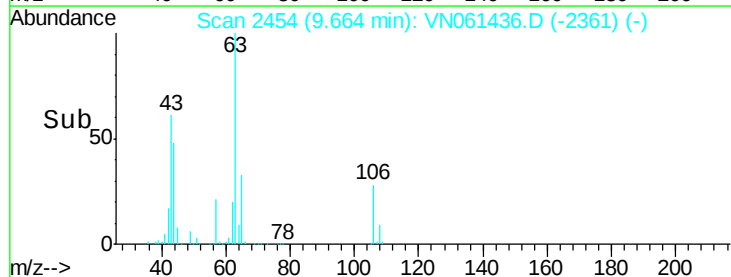
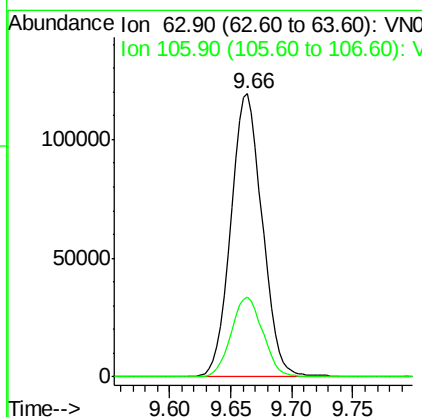
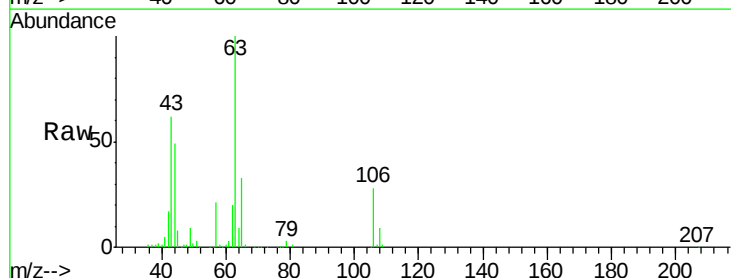
Manual Integrations
 APPROVED

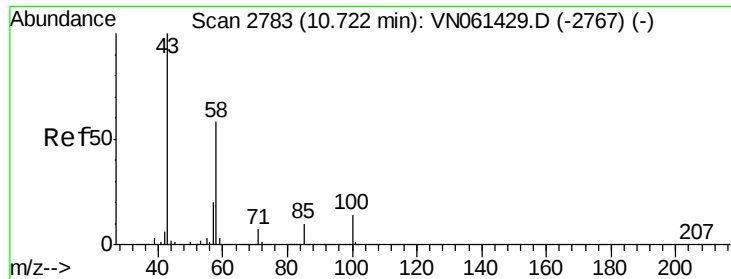
MMDadoda
 5/19/2020 4:25:17 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.466 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





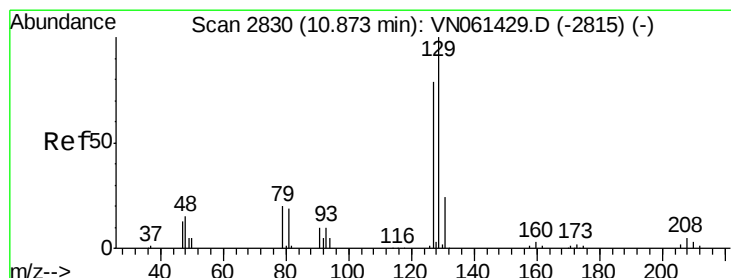
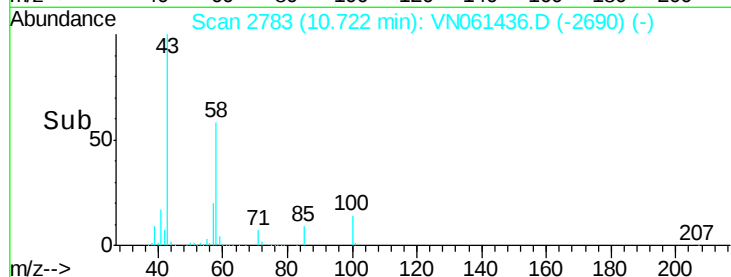
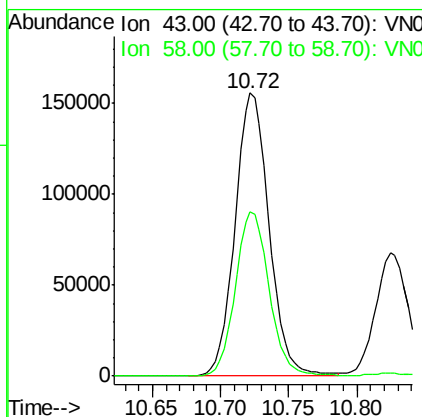
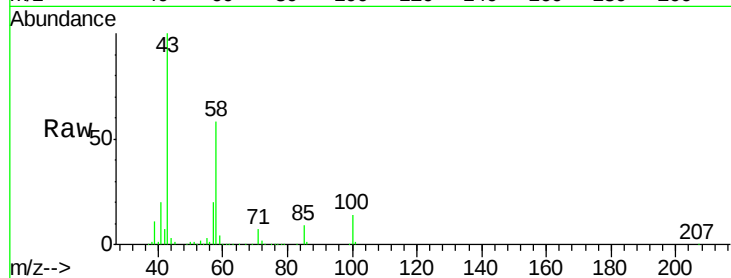
#59
2-Hexanone
Concen: 97.440 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	43	Resp	268934
Ion Ratio	43	100	
Lower	58	58.0	29.2
Upper			87.6

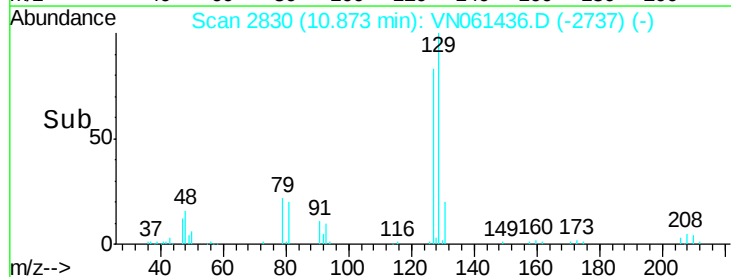
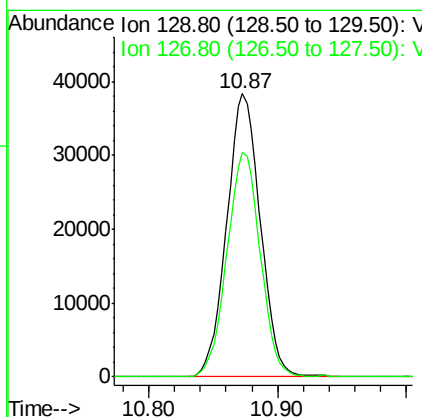
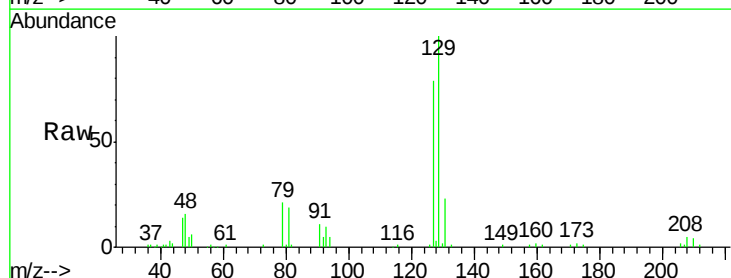
Manual Integrations
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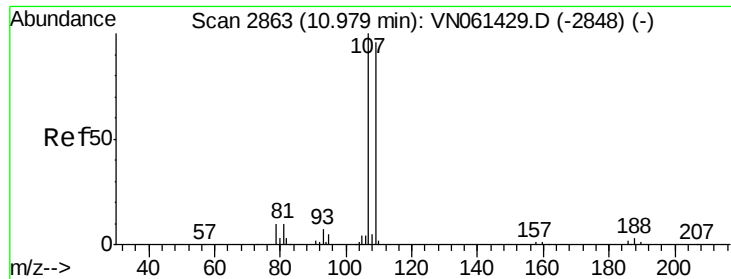
MMDadoda
5/19/2020 4:25:17 PM



#60
Dibromochloromethane
Concen: 19.362 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	129	Resp	69359
Ion Ratio	129	100	
Lower	127	78.4	38.8
Upper			116.3





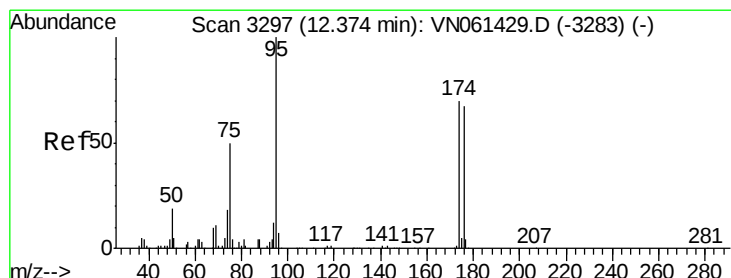
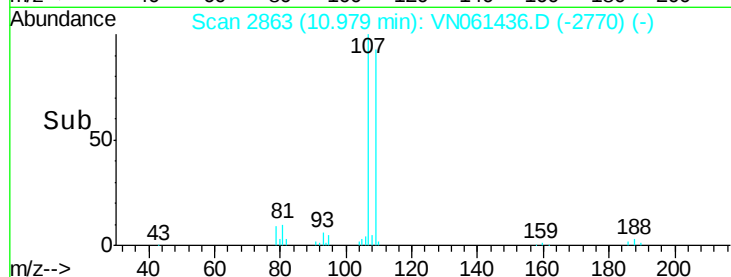
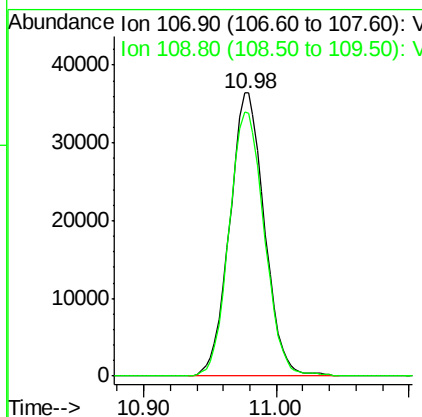
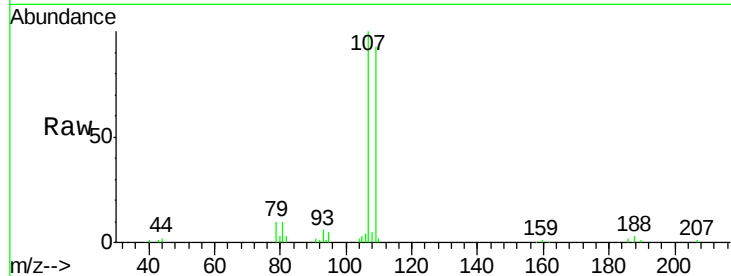
#61
 1,2-Dibromoethane
 Concen: 19.448 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion: 107 Resp: 66223
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5

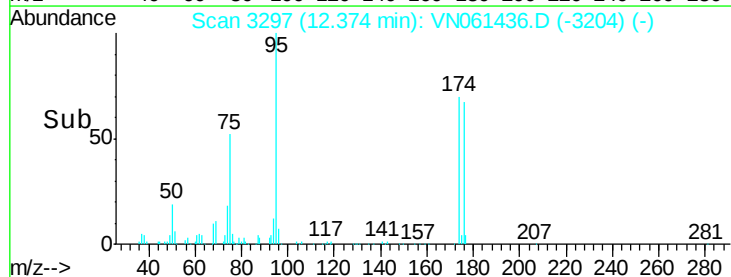
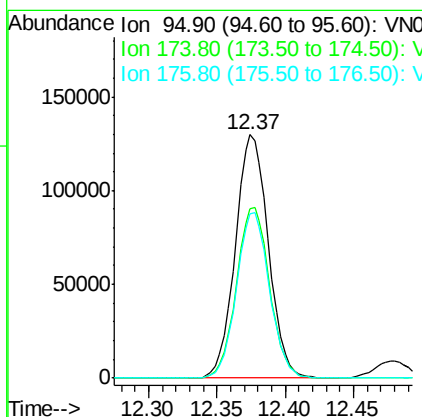
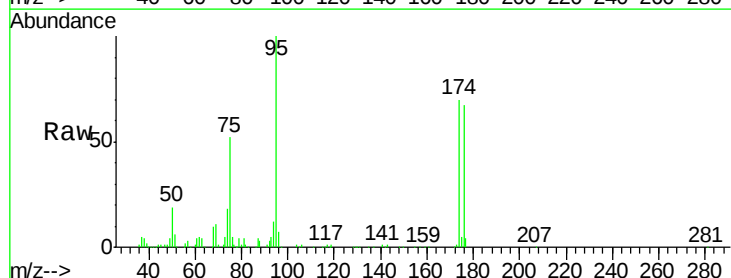
Manual Integrations
 APPROVED

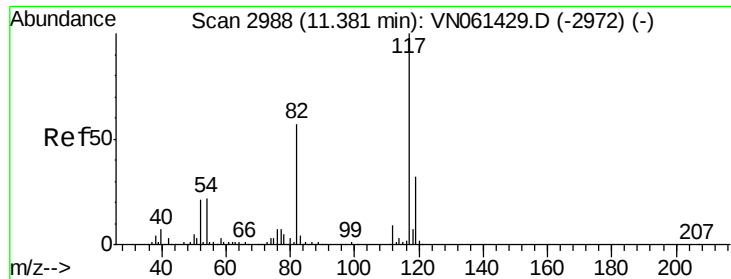
MMDadoda
 5/19/2020 4:25:17 PM



#62
 4-Bromofluorobenzene
 Concen: 50.660 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion: 95 Resp: 217755
 Ion Ratio Lower Upper
 95 100
 174 70.5 0.0 141.2
 176 67.9 0.0 137.6





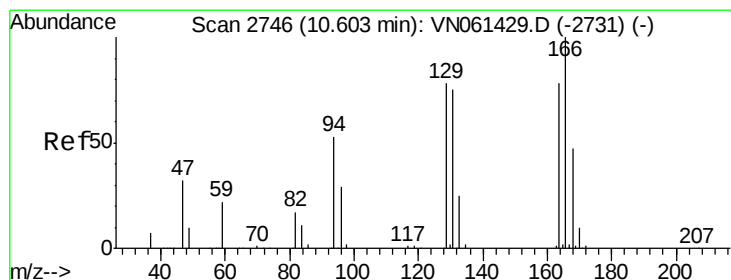
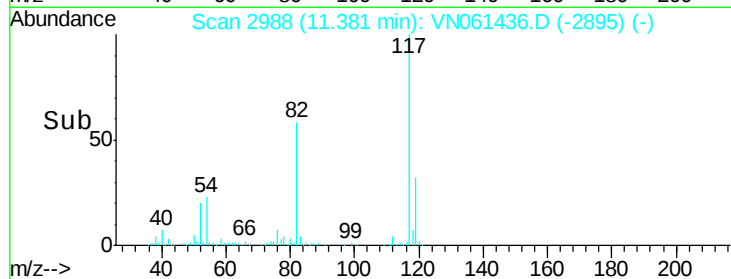
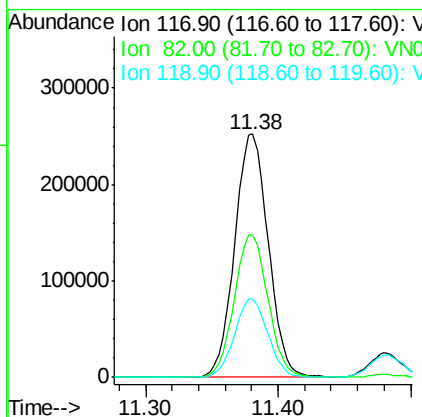
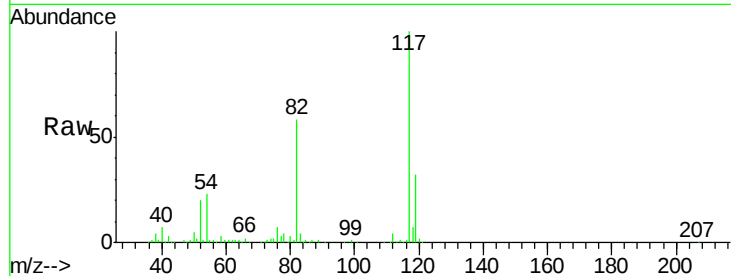
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.2	67.8
119	32.0	25.3	37.9

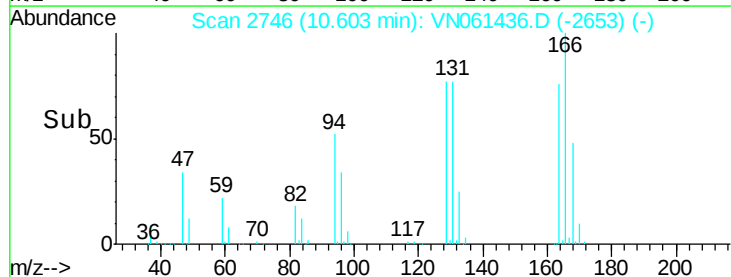
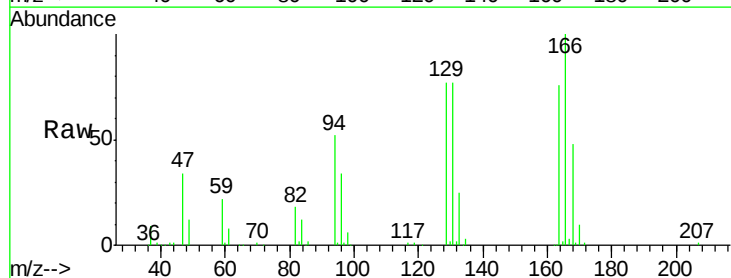
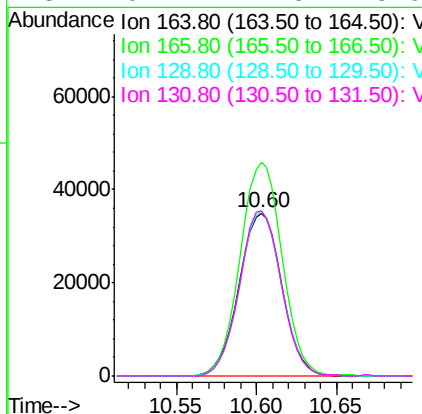
Manual Integrations
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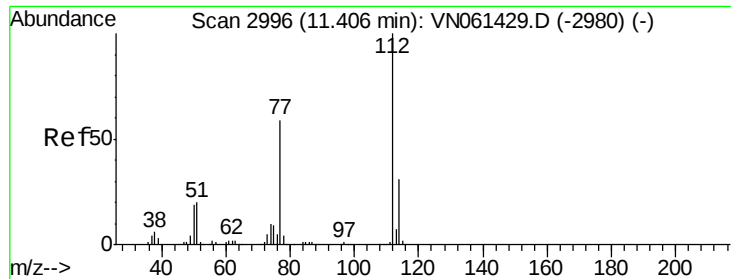
MMDadoda
5/19/2020 4:25:17 PM



#64
Tetrachloroethene
Concen: 18.528 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	103.2	154.8
129	101.3	81.0	121.4
131	101.1	77.3	115.9





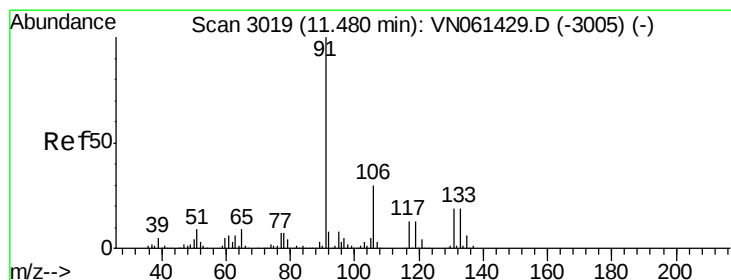
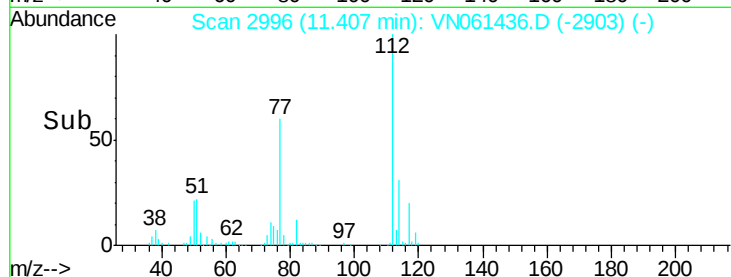
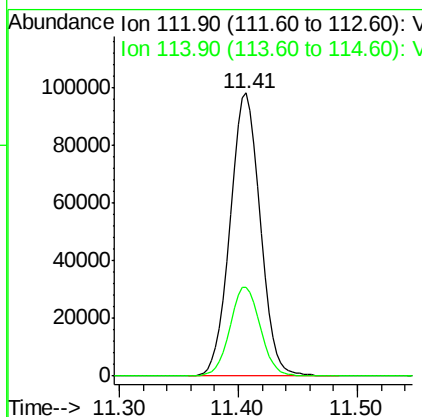
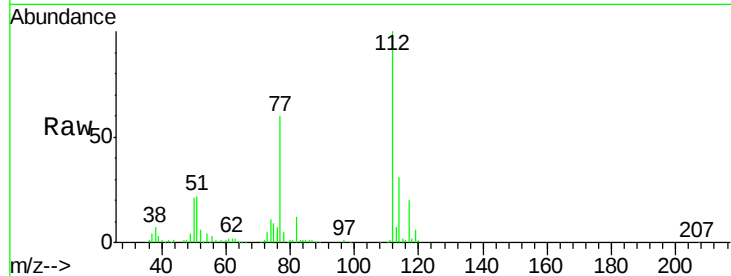
#65
Chlorobenzene
Concen: 19.018 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampled :
VN0518MBS01

Tot Ion:112 Resp: 172499
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

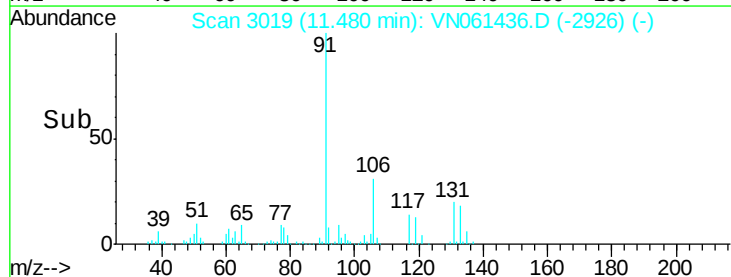
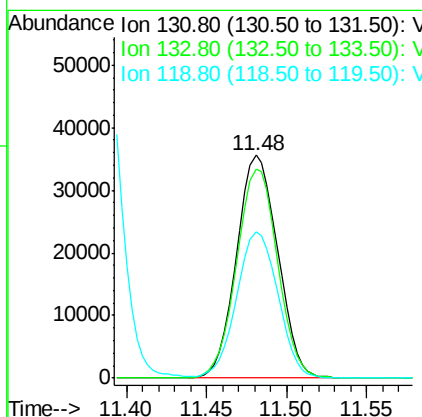
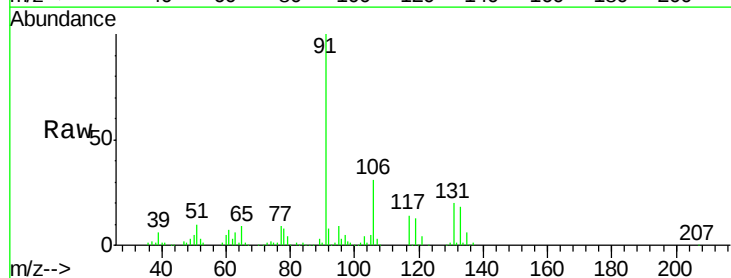
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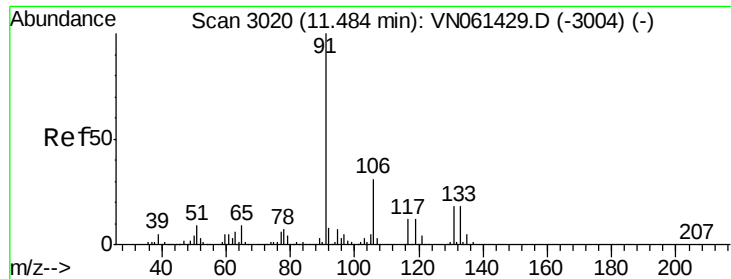
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.203 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion:131 Resp: 62442
Ion Ratio Lower Upper
131 100
133 93.4 48.7 146.1
119 66.1 33.8 101.3





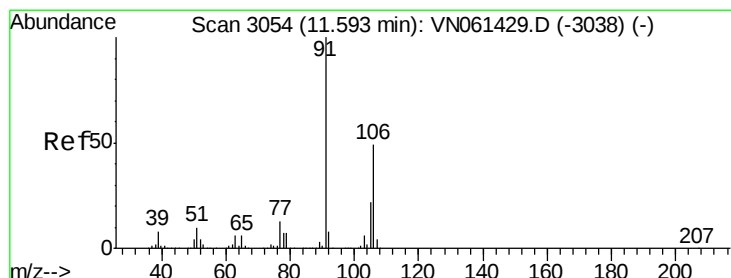
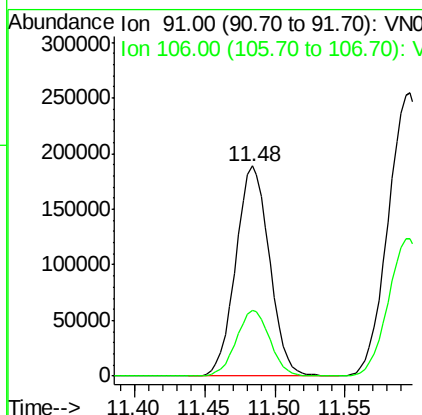
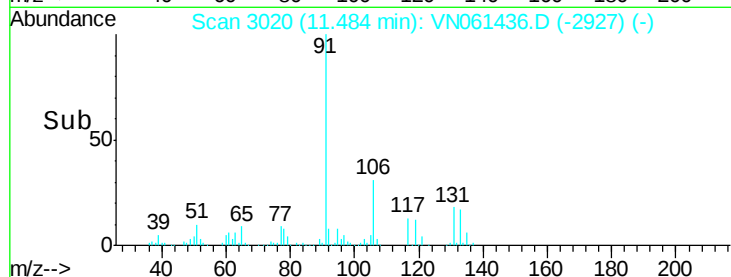
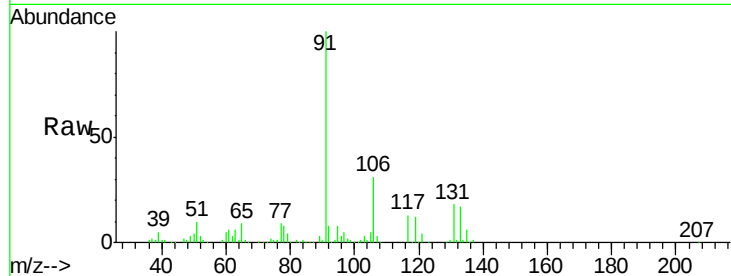
#67
Ethyl Benzene
Concen: 19.163 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion: 91 Resp: 317274
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

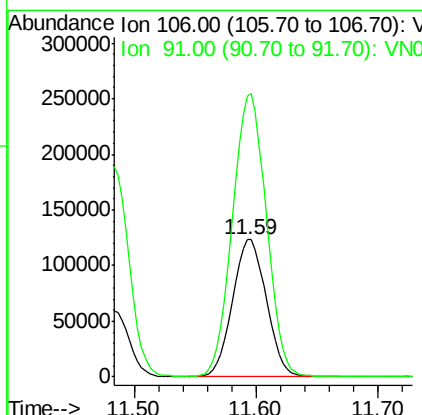
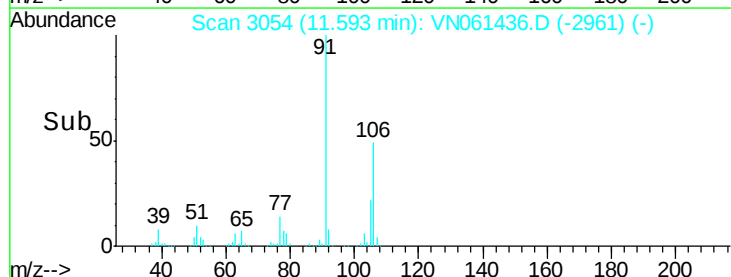
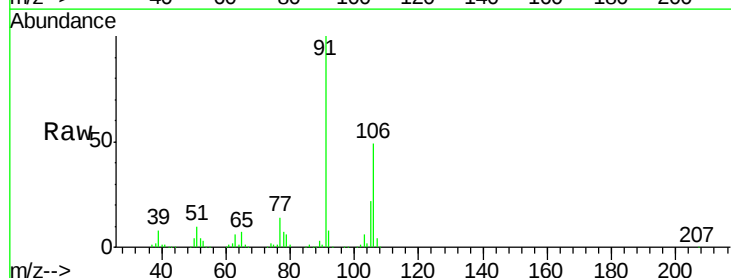
Manual Integrations
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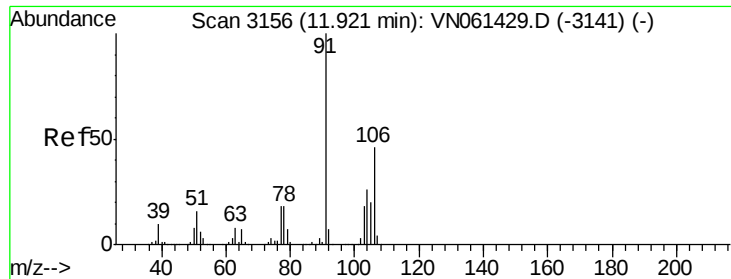
MMDadoda
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#68
m/p-Xylenes
Concen: 37.858 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion: 106 Resp: 237914
Ion Ratio Lower Upper
106 100
91 206.3 163.0 244.6





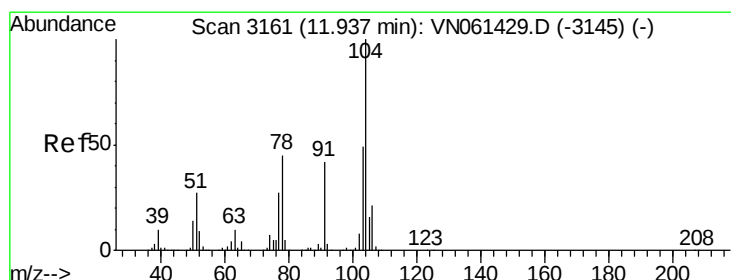
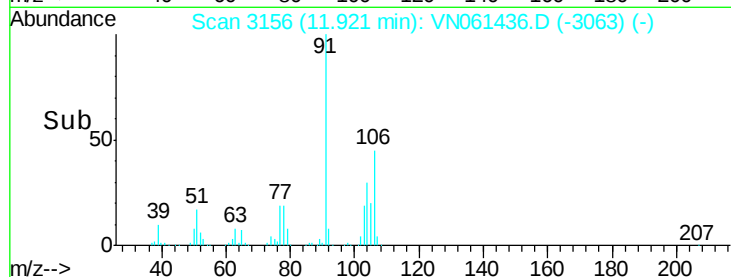
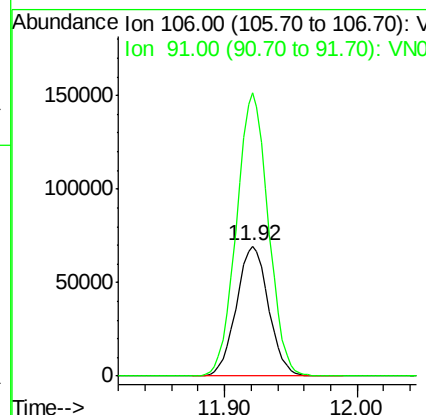
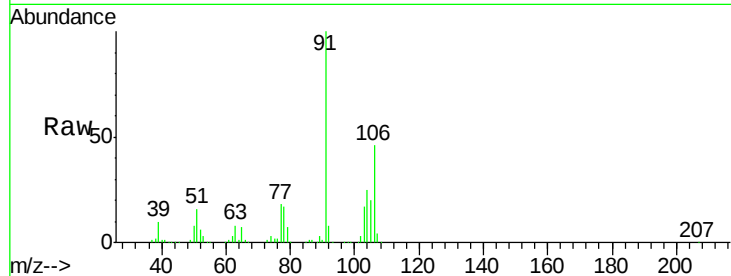
#69
o-Xylene
Concen: 19.244 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	117033		
91	91	215.5	107.9	323.7	

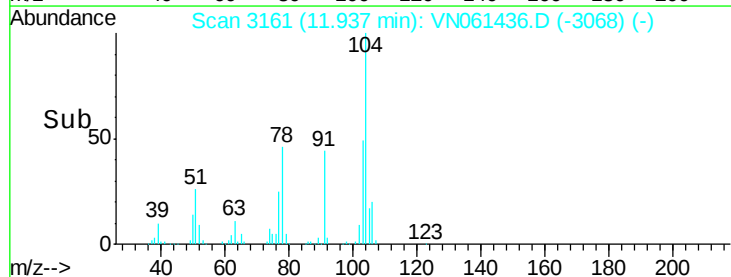
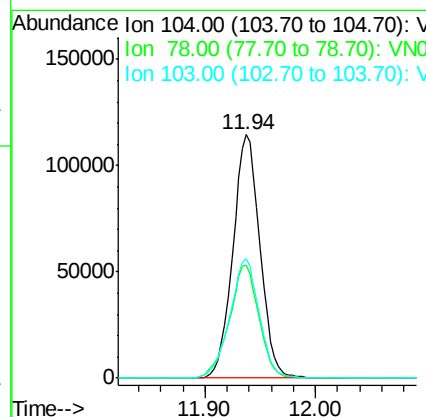
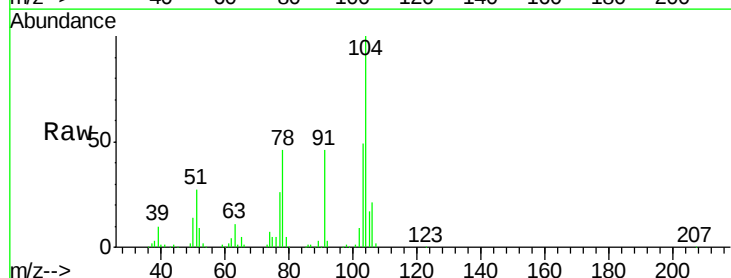
Manual Integrations
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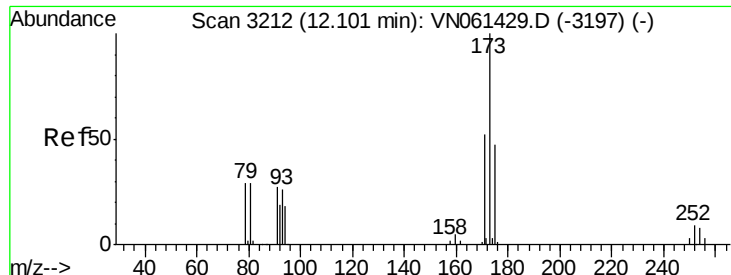
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#70
Styrene
Concen: 19.341 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	194782		
78	78	50.8	40.7	61.1	
103	103	52.9	43.0	64.4	





#71

Bromoform

Concen: 18.403 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion:173 Resp: 43170

Ion Ratio Lower Upper

173 100

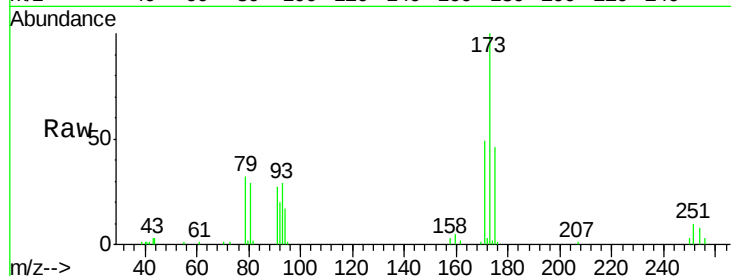
175 47.3 23.9 71.8

254 0.0 0.0 0.0

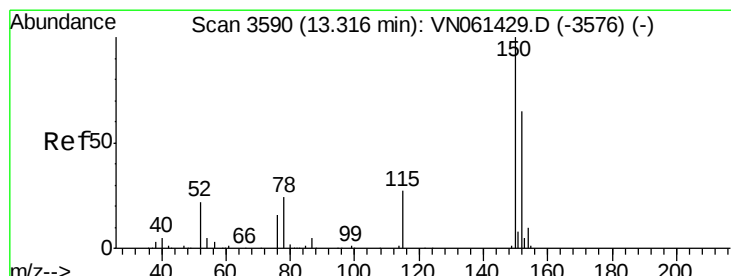
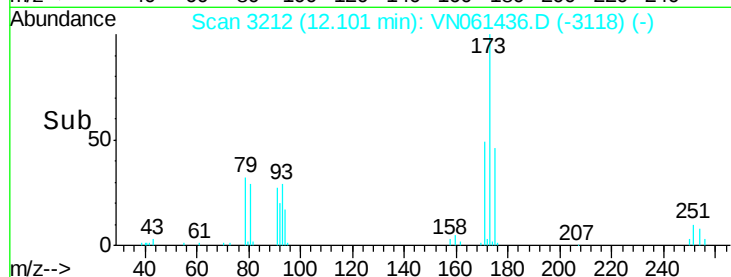
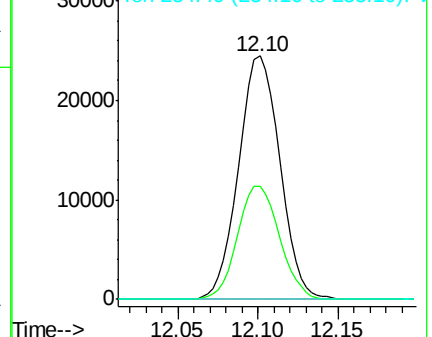
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

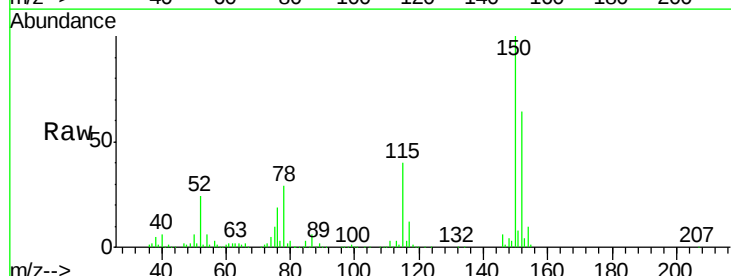
Tgt Ion:152 Resp: 204313

Ion Ratio Lower Upper

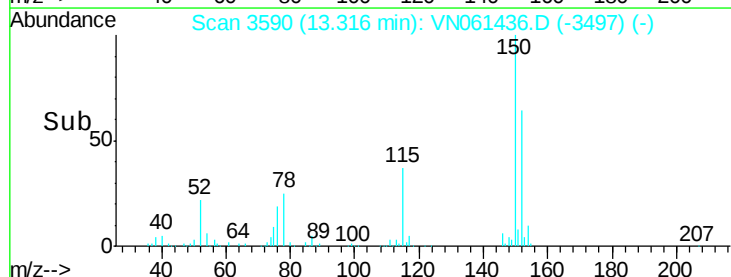
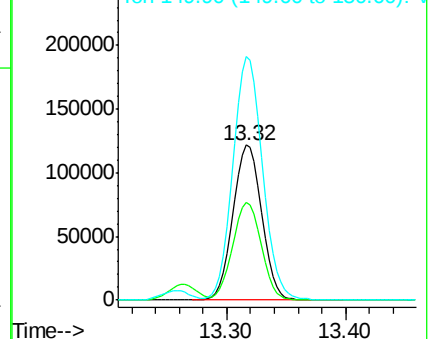
152 100

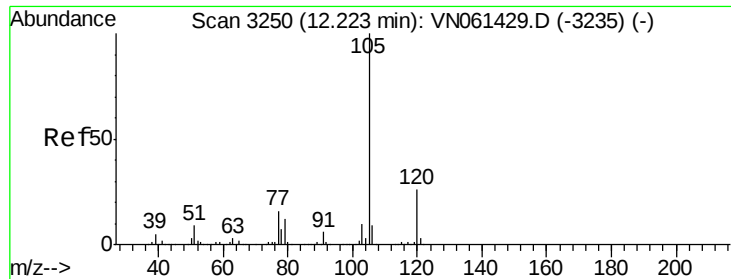
115 62.9 30.9 92.5

150 161.3 0.0 349.2



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: 18.818 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampled :

VN0518MBS01

Tot Ion:105 Resp: 308658

Ion Ratio Lower Upper

105 100

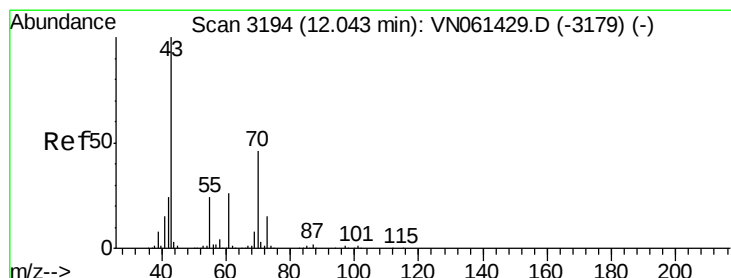
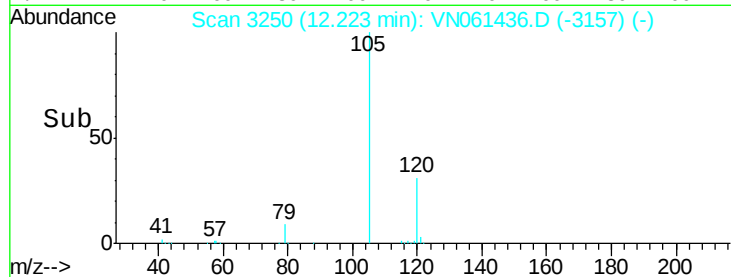
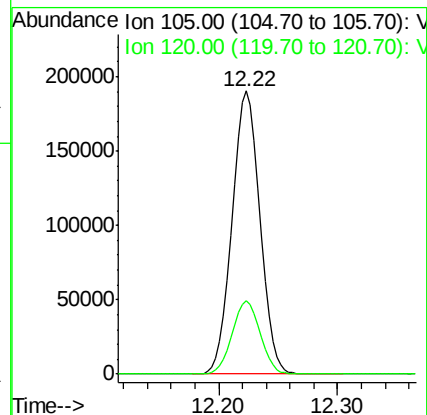
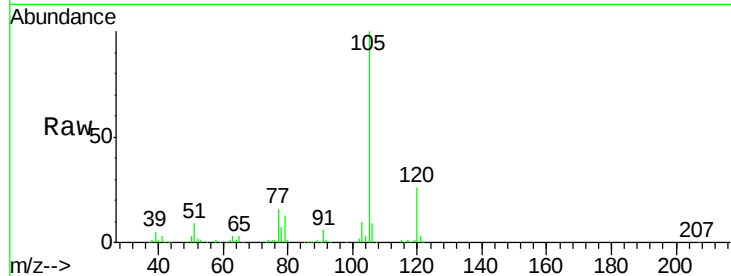
120 26.0 13.0 39.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.616 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion: 43 Resp: 117769

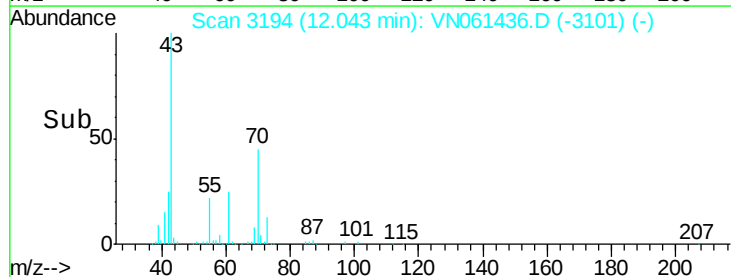
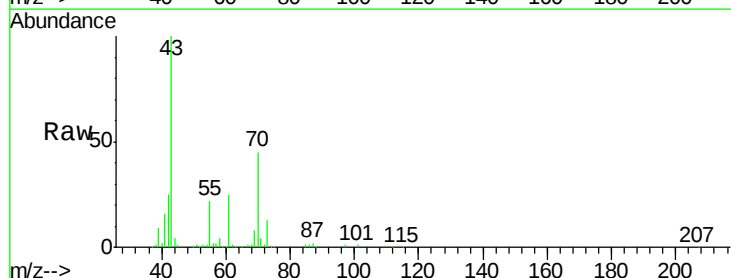
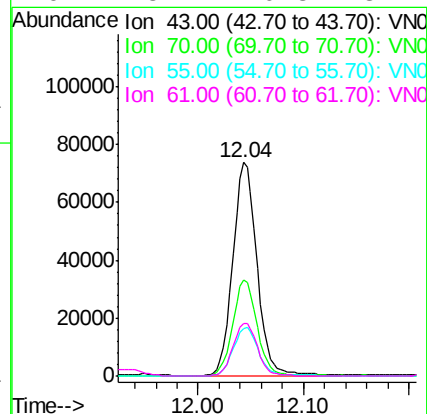
Ion Ratio Lower Upper

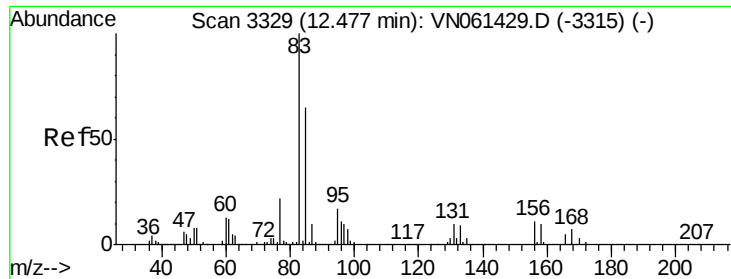
43 100

70 45.1 37.0 55.4

55 23.2 19.5 29.3

61 25.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.632 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 83 Resp: 88593

Ion Ratio Lower Upper

83 100

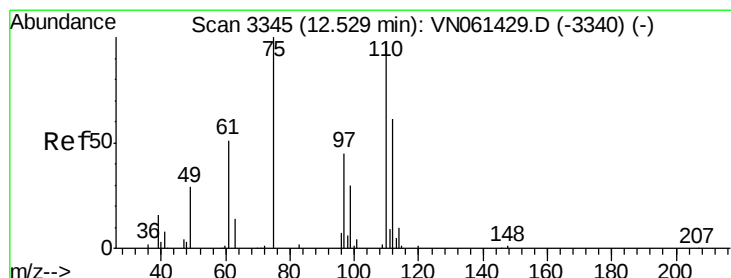
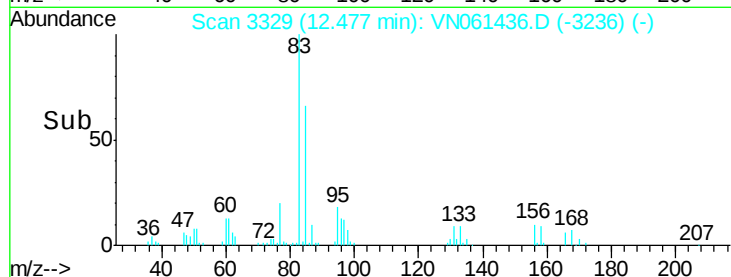
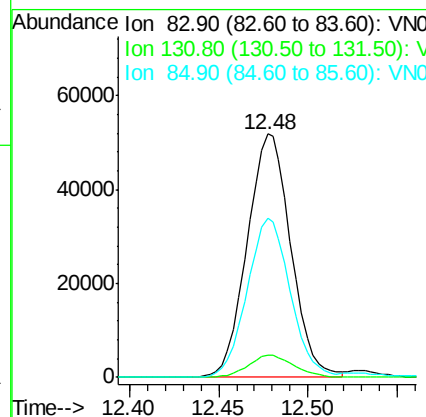
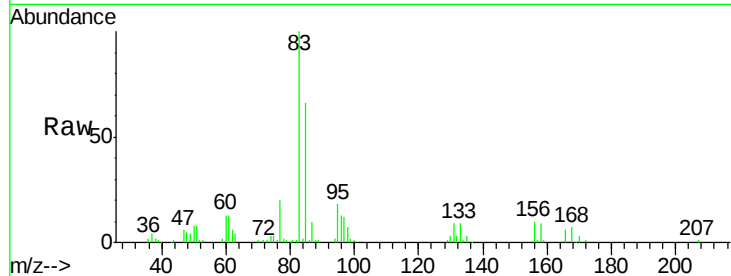
131 9.5 4.8 14.4

85 64.7 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 19.283 ug/l m

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN061436.D

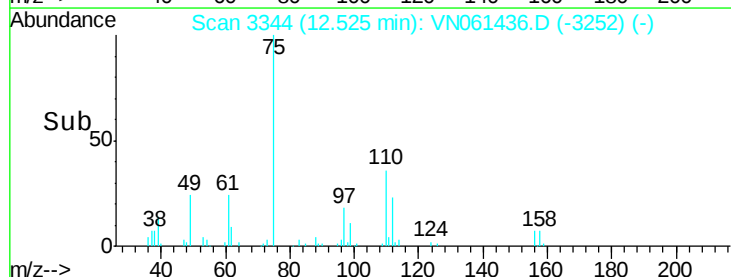
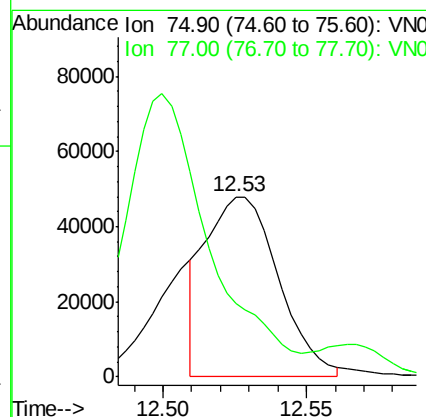
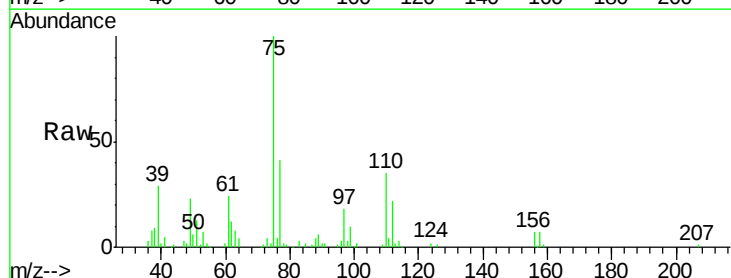
Acq: 18 May 2020 15:54

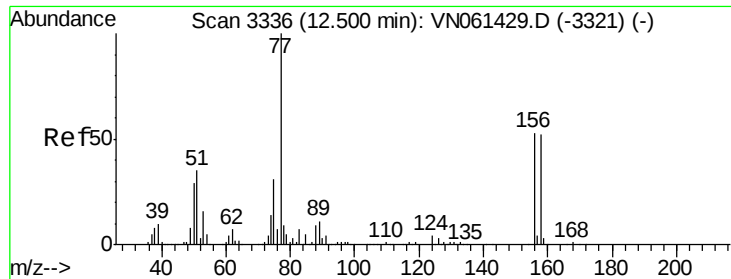
Tgt Ion: 75 Resp: 84537

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.769 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

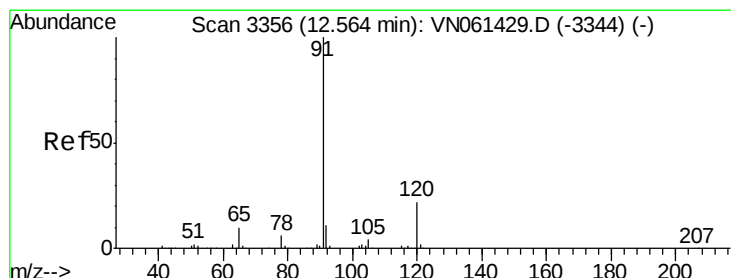
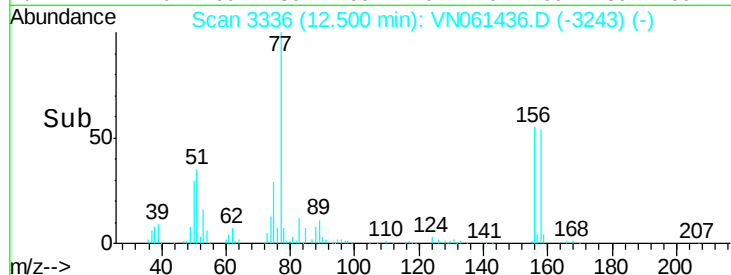
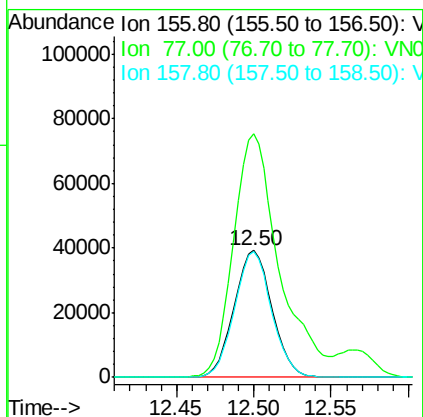
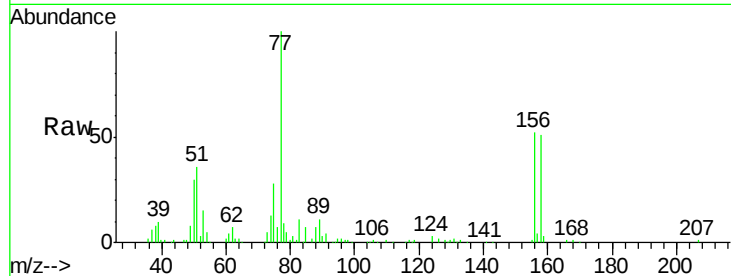
ClientSampleId :

VN0518MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.2	112.3	336.9
158	96.5	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 18.685 ug/l

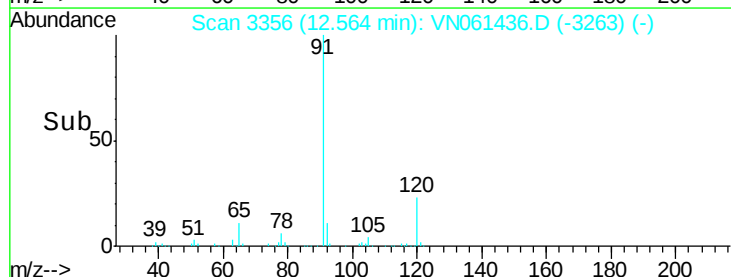
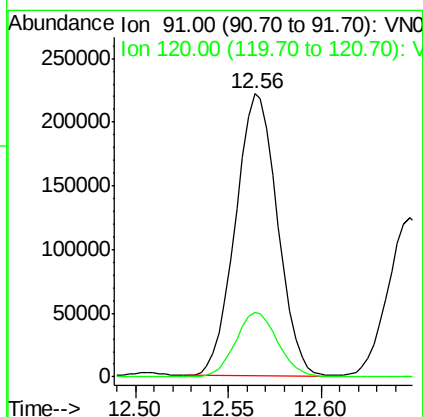
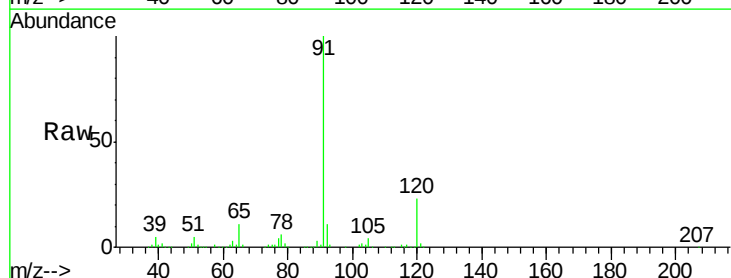
RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.6





#79

2-Chlorotoluene

Concen: 18.863 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 91 Resp: 208373

Ion Ratio Lower Upper

91 100

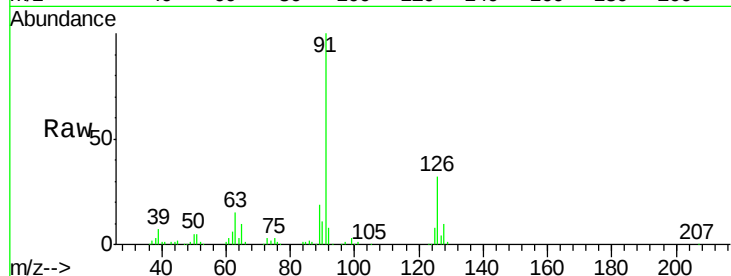
126 31.5 16.3 48.9

Manual Integrations

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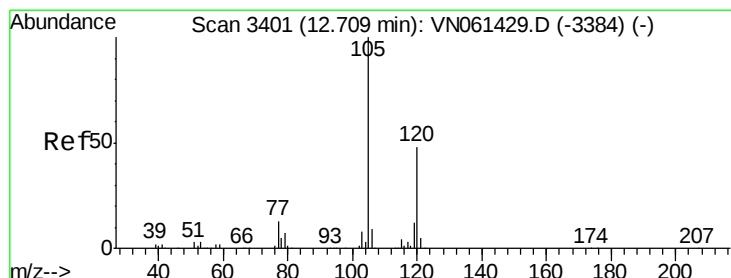
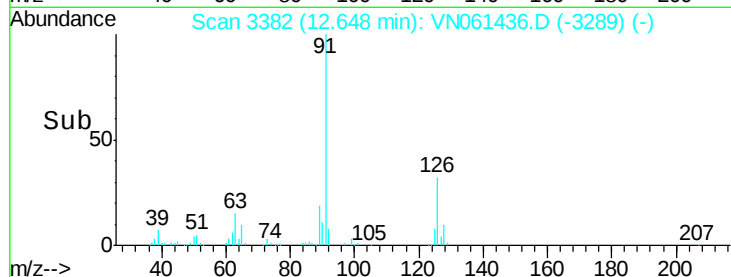
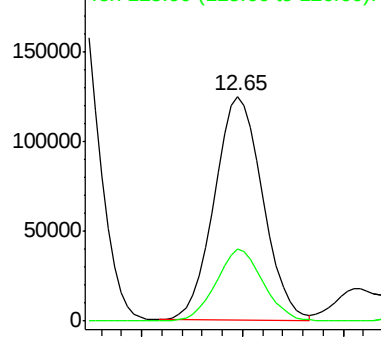
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Abundance Ion 91.00 (90.70 to 91.70): VN061436.D (-3382) (-)

Ion 125.90 (125.60 to 126.60): VN061436.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.112 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061436.D

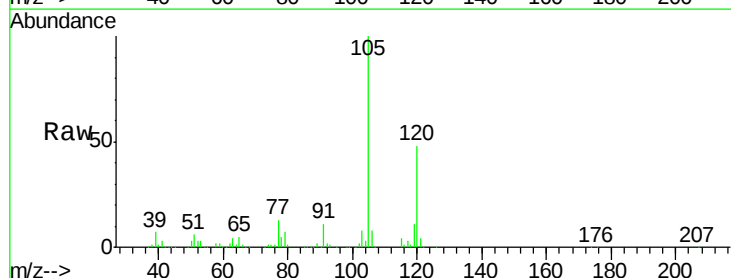
Acq: 18 May 2020 15:54

Tgt Ion: 105 Resp: 256676

Ion Ratio Lower Upper

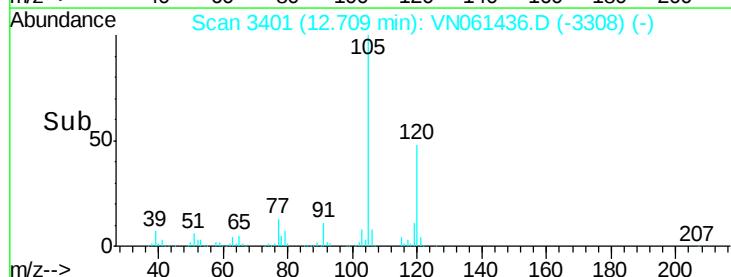
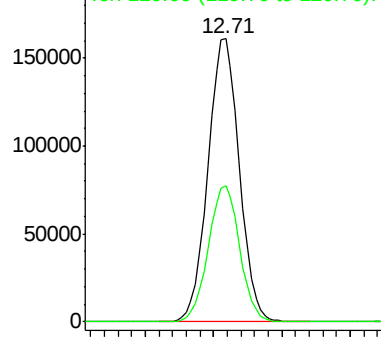
105 100

120 48.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061436.D (-3398) (-)

Ion 120.00 (119.70 to 120.70): VN061436.D (-3398) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.357 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion: 75 Resp: 30338

Ion Ratio Lower Upper

75 100

53 98.0 75.2 112.8

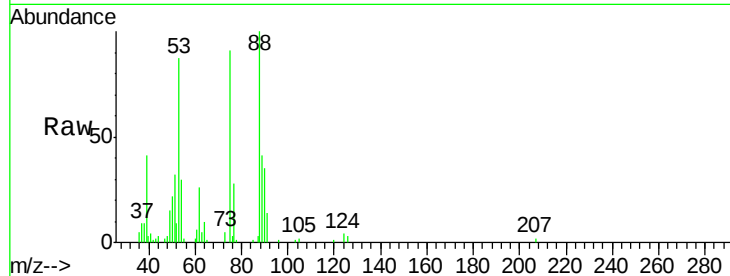
89 45.2 38.2 57.4

Manual Integrations

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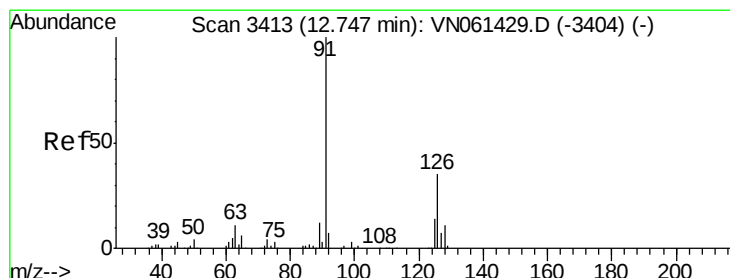
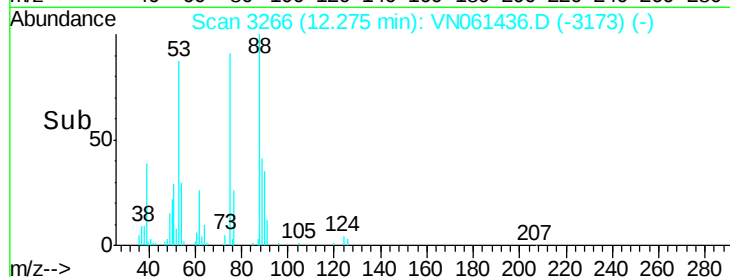
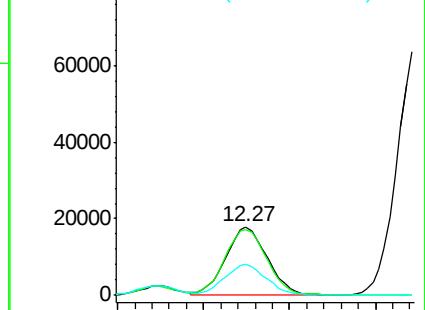
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.935 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061436.D

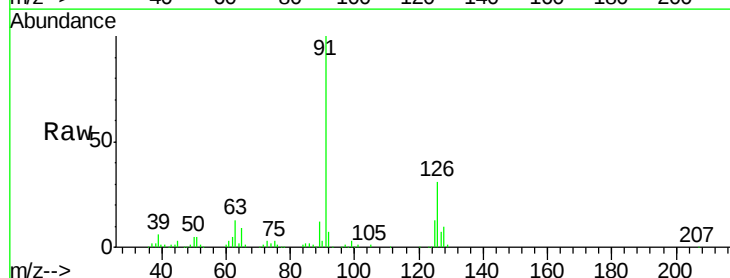
Acq: 18 May 2020 15:54

Tgt Ion: 91 Resp: 216582

Ion Ratio Lower Upper

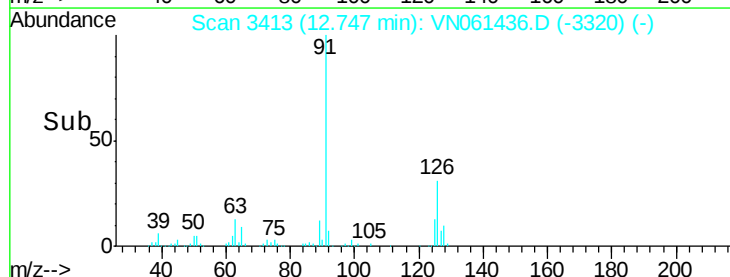
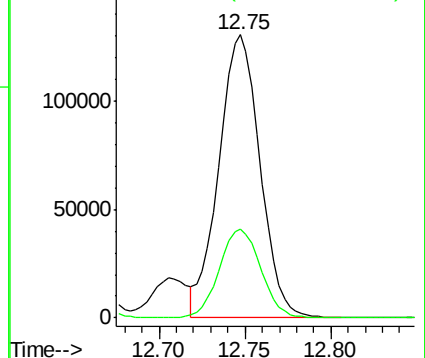
91 100

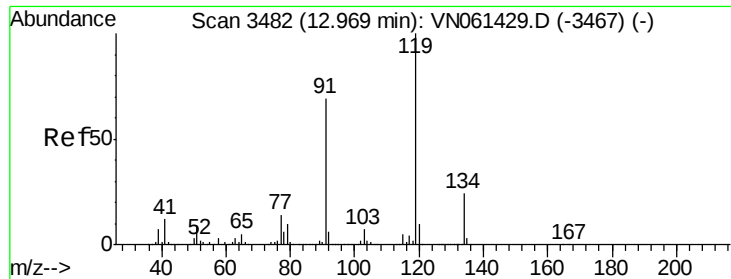
126 31.9 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





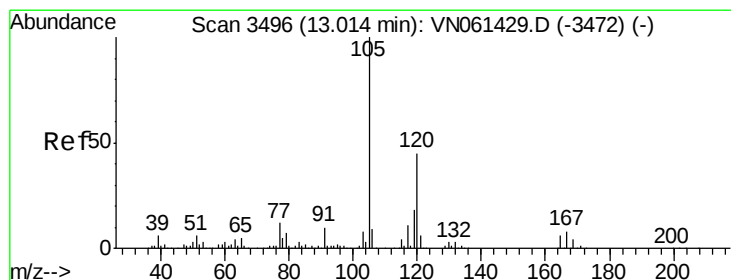
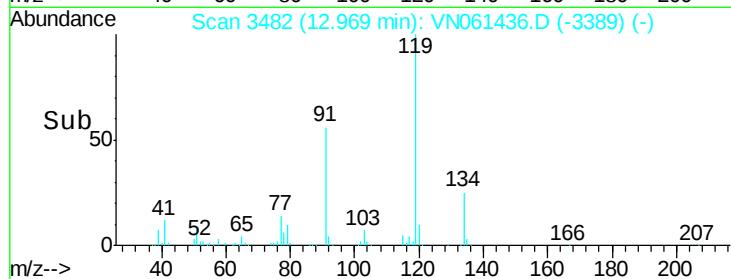
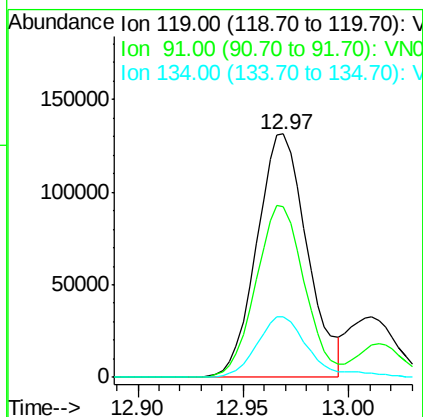
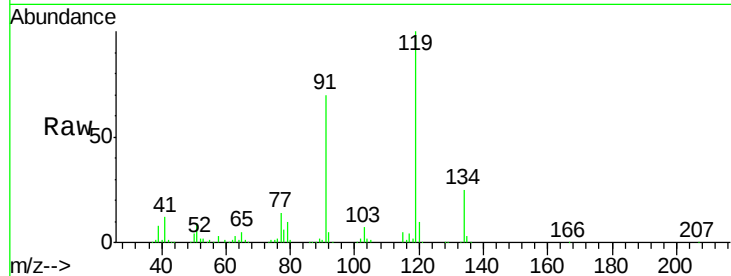
#83
tert-Butylbenzene
Concen: 19.010 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	218683		
91	68.0	33.7	101.0	
134	25.8	12.8	38.3	

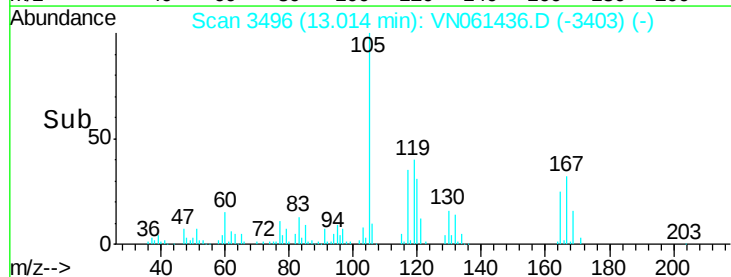
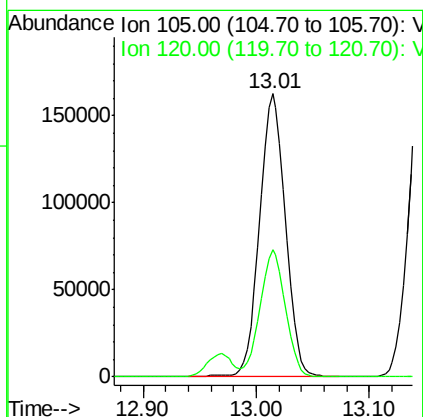
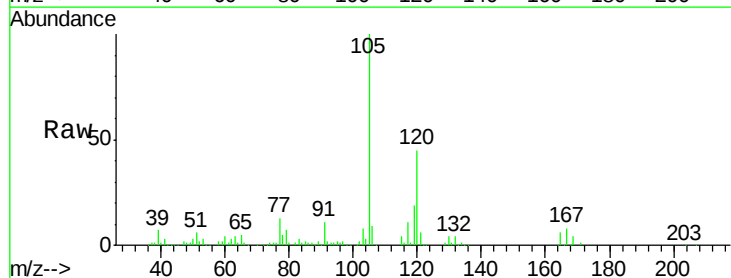
Manual Integrations
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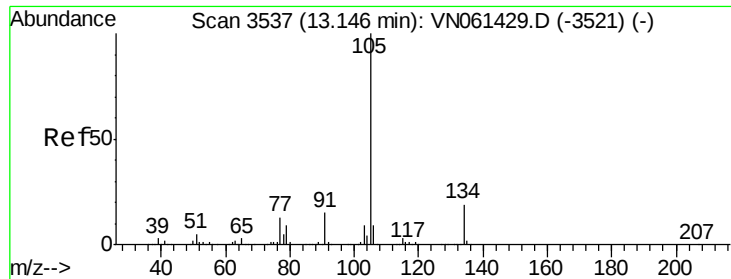
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#84
1,2,4-Trimethylbenzene
Concen: 19.277 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	259088		
120	44.0	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.051 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

Instrument :

MSVOA_N

ClientSampleId :

VN0518MBS01

Tot Ion:105 Resp: 296349

Ion Ratio Lower Upper

105 100

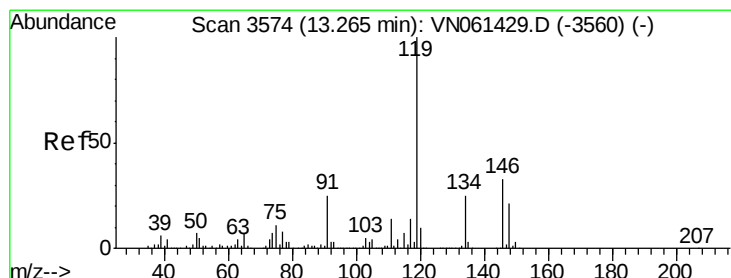
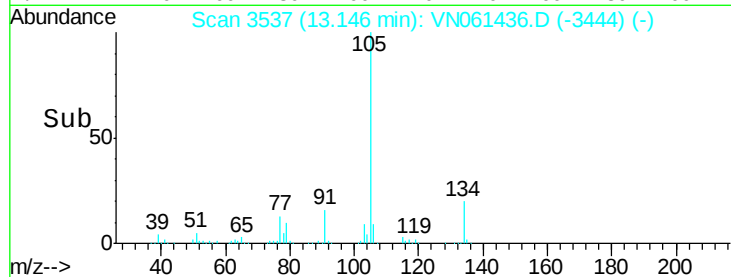
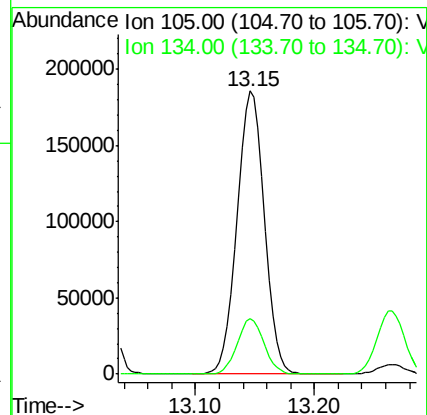
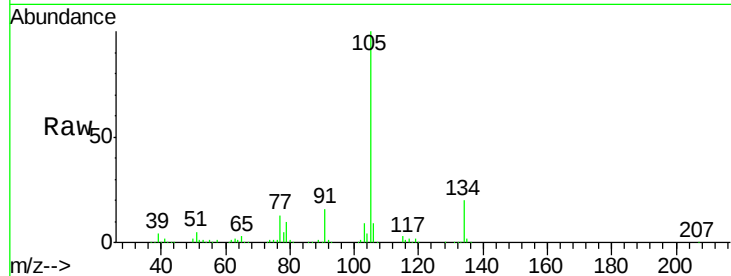
134 19.2 9.8 29.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.884 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061436.D

Acq: 18 May 2020 15:54

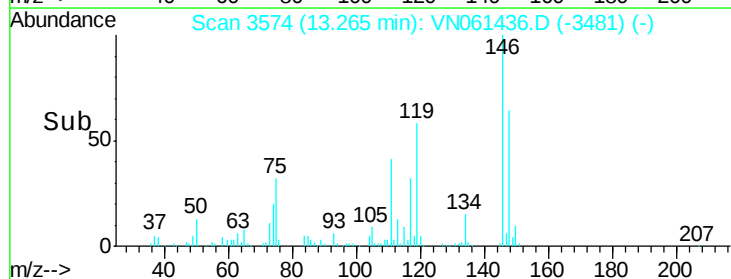
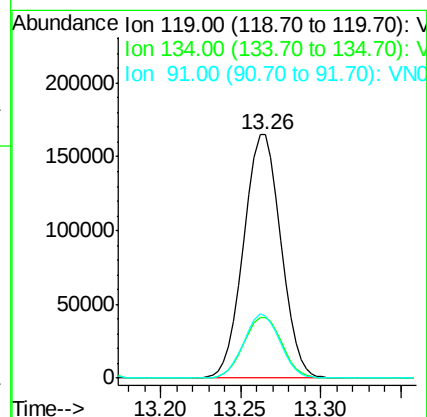
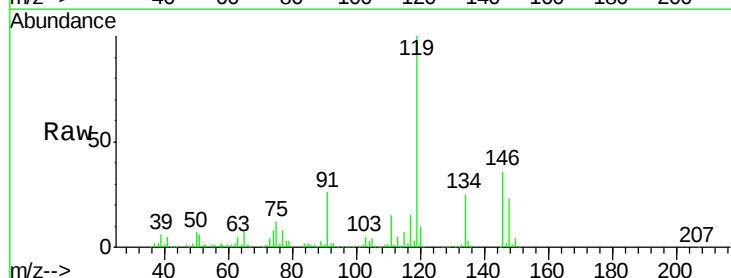
Tgt Ion:119 Resp: 260847

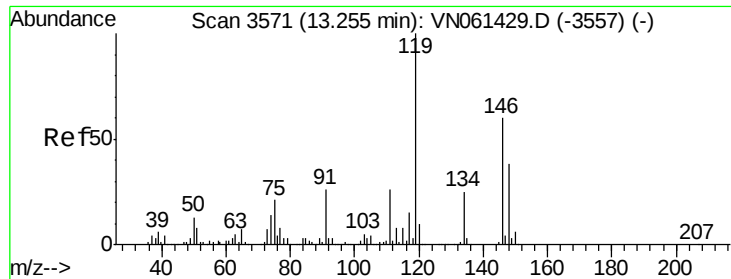
Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 25.7 12.6 37.6





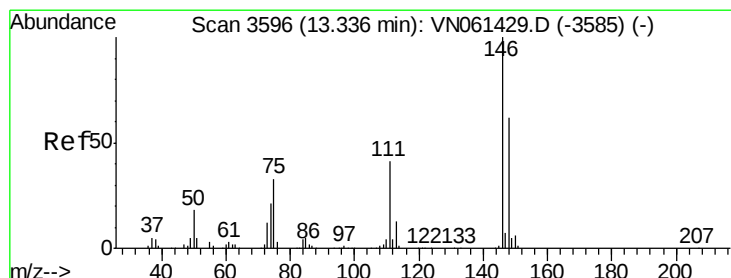
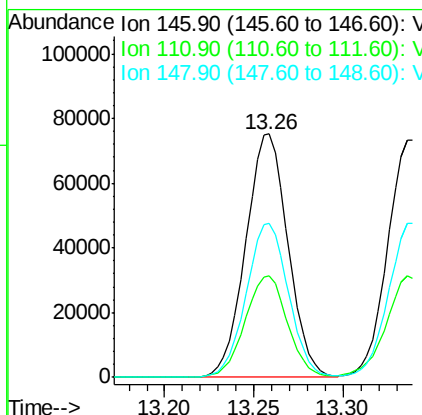
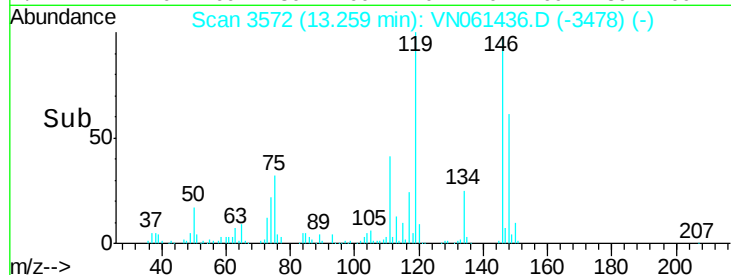
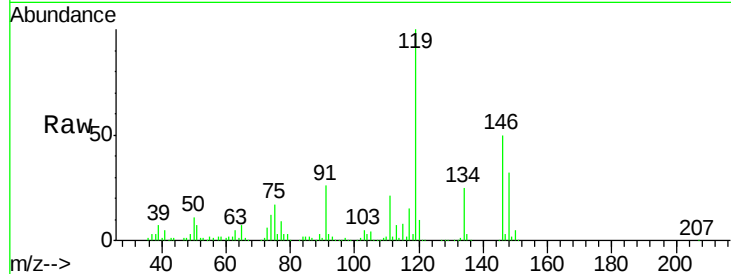
#87
 1,3-Dichlorobenzene
 Concen: 19.090 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124361		
111	41.8	21.5	64.5	
148	63.2	31.8	95.3	

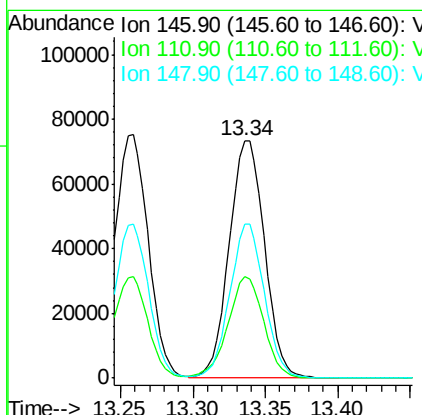
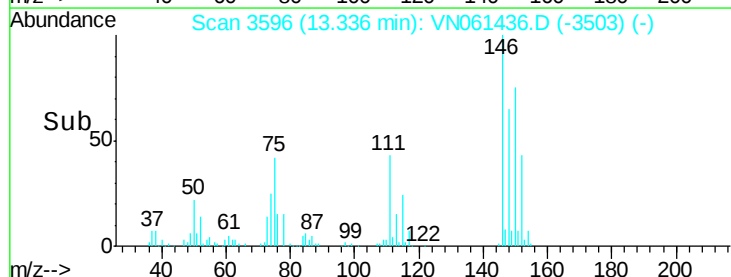
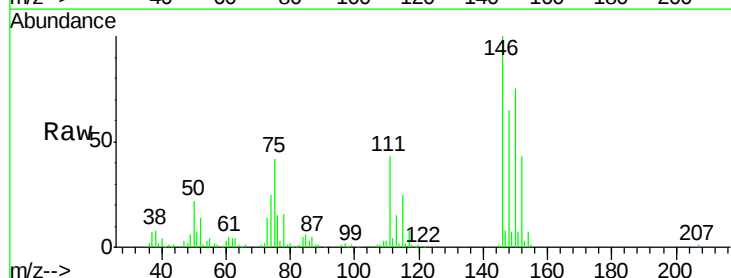
Manual Integrations
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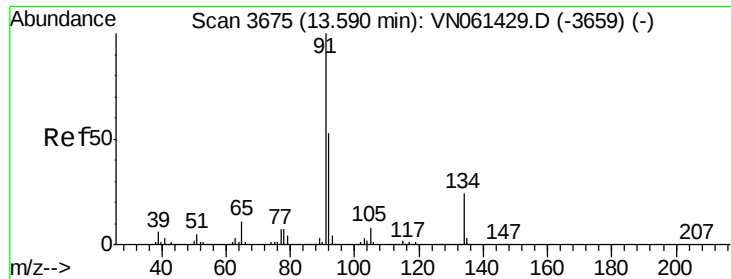
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#88
 1,4-Dichlorobenzene
 Concen: 19.123 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124762		
111	43.1	20.8	62.5	
148	63.6	31.6	94.8	





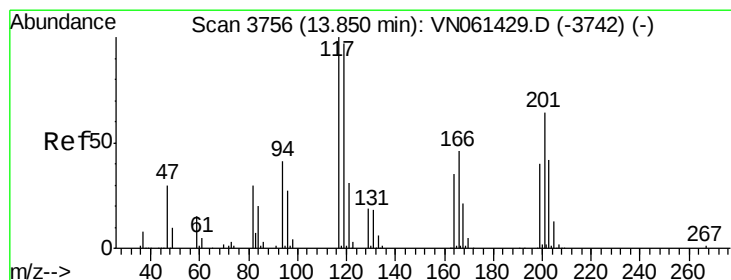
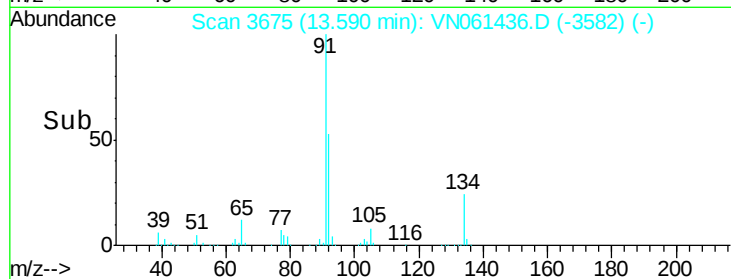
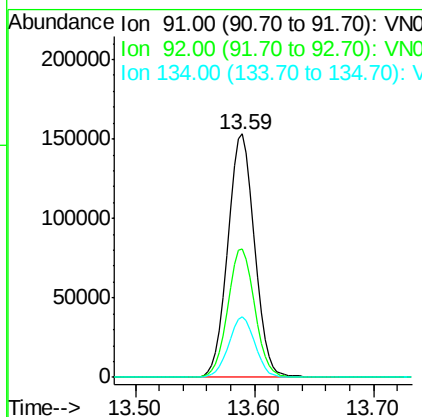
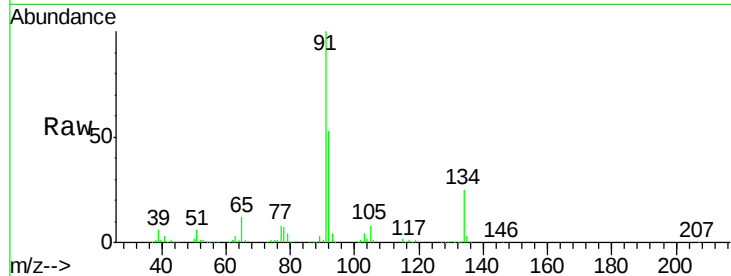
#89
n-Butylbenzene
Concen: 19.018 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.3	
134	24.4	12.4	37.4	

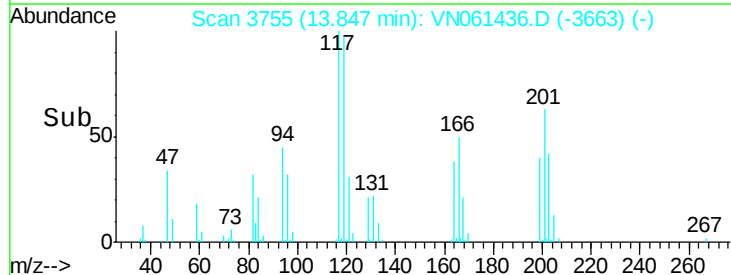
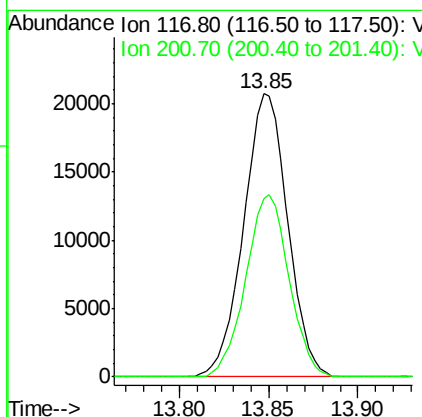
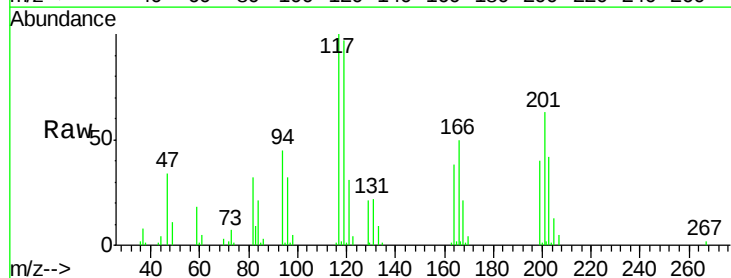
Manual Integrations
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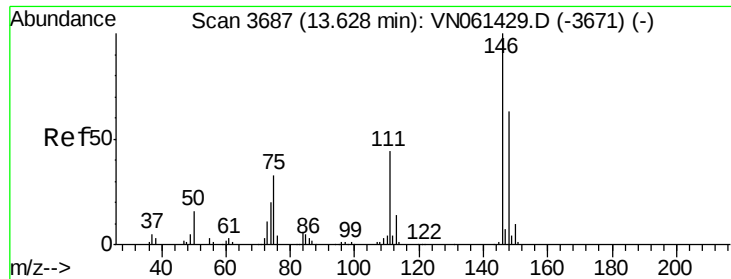
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#90
Hexachloroethane
Concen: 19.089 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	63.1	32.9	98.7	





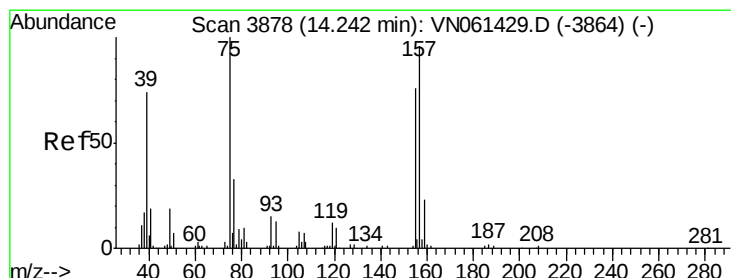
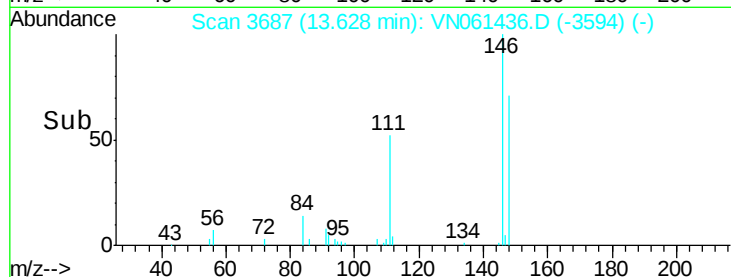
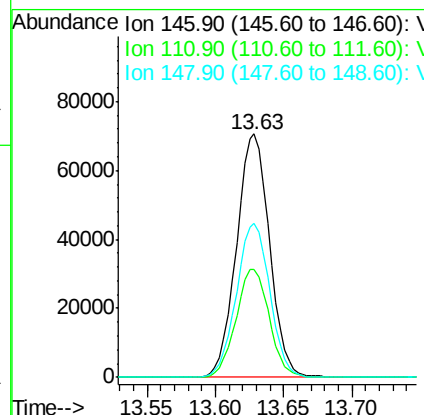
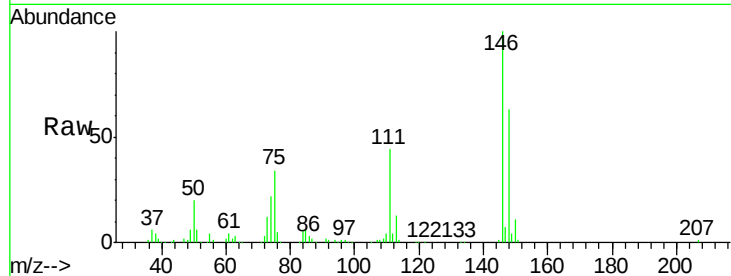
#91
 1,2-Dichlorobenzene
 Concen: 19.003 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118749		
111	44.6	21.9	65.7	
148	63.9	31.6	94.7	

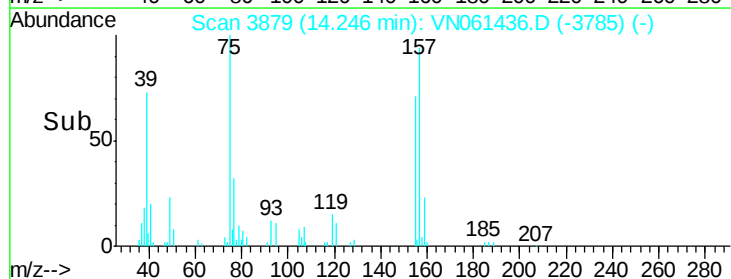
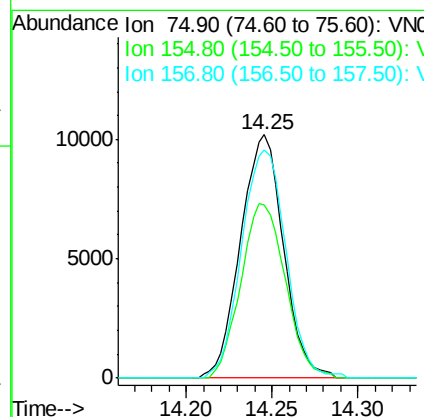
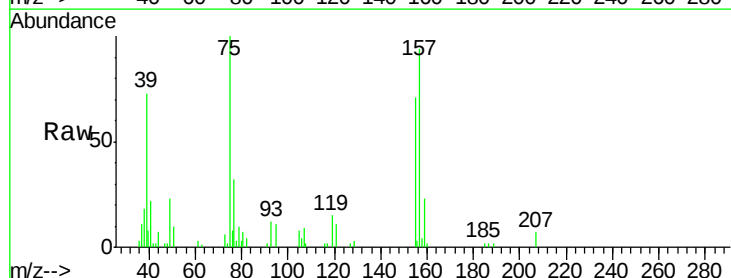
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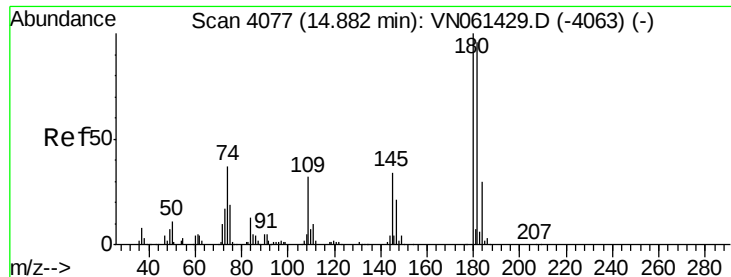
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.398 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17682		
155	74.2	38.9	116.7	
157	96.9	48.6	145.8	





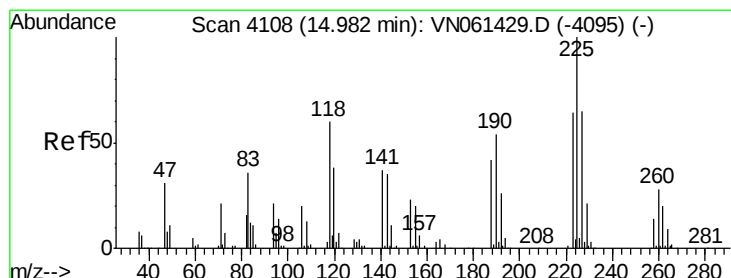
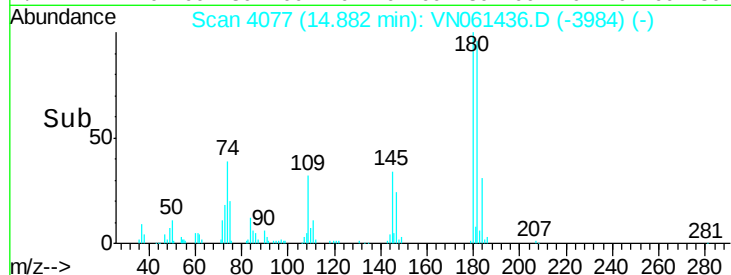
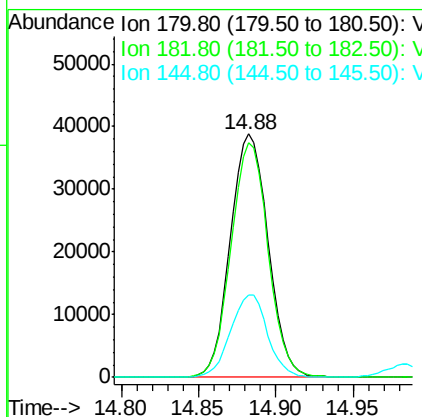
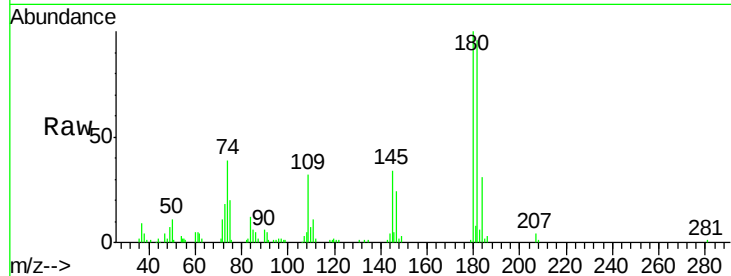
#93
 1,2,4-Trichlorobenzene
 Concen: 19.446 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	65889		
182	94.7		47.0	141.0
145	33.0		16.7	50.0

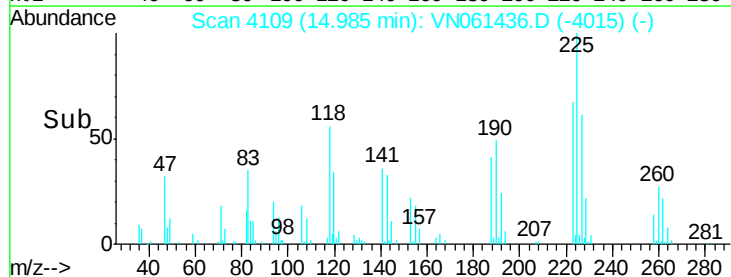
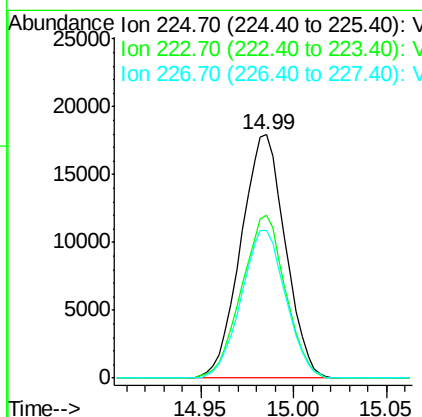
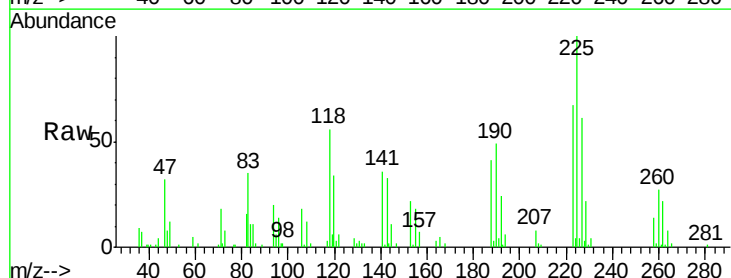
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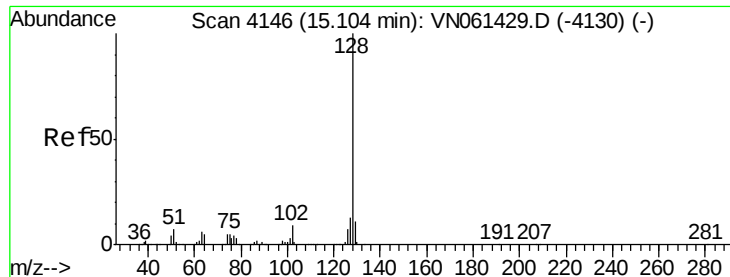
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#94
 Hexachlorobutadiene
 Concen: 19.800 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061436.D
 Acq: 18 May 2020 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29809		
223	65.8		31.9	95.7
227	60.6		31.5	94.5





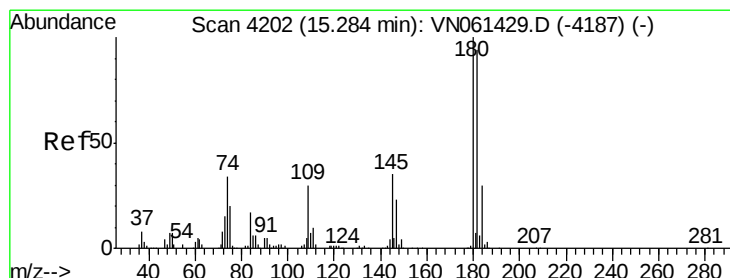
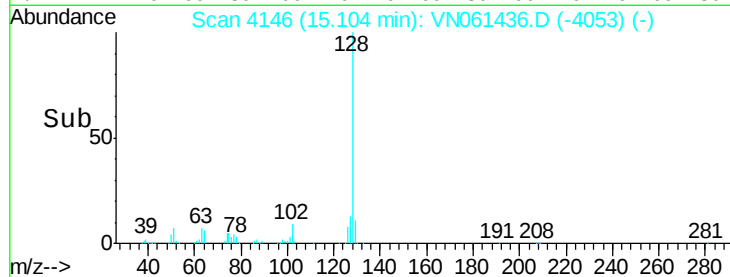
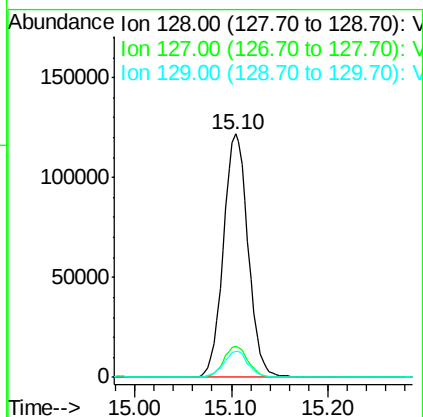
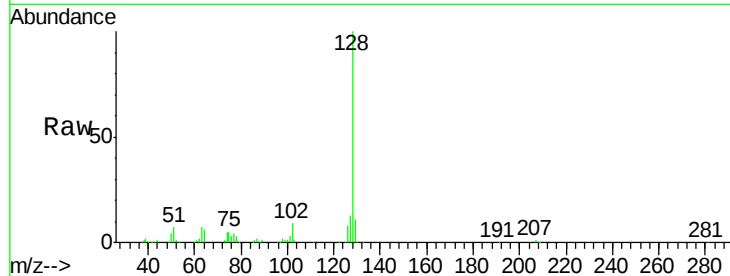
#95
Naphthalene
Concen: 20.080 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Instrument :
MSVOA_N
ClientSampleId :
VN0518MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		216302		
127	12.6		10.1	15.1	
129	10.6		8.6	13.0	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.489 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061436.D
Acq: 18 May 2020 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		65738		
182	96.6		47.8	143.3	
145	35.9		17.3	51.9	

