

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061007.D
 Acq On : 16 Apr 2020 12:41
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/17/2020 11:53:12 AM

Quant Time: Apr 16 13:16:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	172481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	289220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	264588	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128208	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	208634	90.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	180.60%	
35) Dibromofluoromethane	7.56	113	165398	96.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.16%	
50) Toluene-d8	10.08	98	603194	87.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	175.12%	
62) 4-Bromofluorobenzene	12.39	95	243959	95.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	190.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	228345	129.049	ug/l	100
3) Chloromethane	2.03	50	305994	97.966	ug/l	99
4) Vinyl Chloride	2.17	62	258573	105.071	ug/l	100
5) Bromomethane	2.53	94	124963	113.910	ug/l	98
6) Chloroethane	2.68	64	152026	107.221	ug/l	98
7) Trichlorofluoromethane	3.00	101	318877	104.834	ug/l	99
8) Diethyl Ether	3.38	74	125380	103.066	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	182260	103.995	ug/l	99
10) Methyl Iodide	3.92	142	169234	107.381	ug/l	100
11) Tert butyl alcohol	4.72	59	193838	543.365	ug/l	100
12) 1,1-Dichloroethene	3.71	96	186842	99.786	ug/l	99
13) Acrolein	3.57	56	164001	441.430	ug/l	100
14) Allyl chloride	4.29	41	345614	103.719	ug/l	98
15) Acrylonitrile	4.94	53	563194	544.740	ug/l	99
16) Acetone	3.77	43	474451	544.800	ug/l	100
17) Carbon Disulfide	4.03	76	581364	101.812	ug/l	99
18) Methyl Acetate	4.28	43	314781	126.673	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	649866	100.618	ug/l	99
20) Methylene Chloride	4.52	84	210288	101.513	ug/l	100
21) trans-1,2-Dichloroethene	5.00	96	201443	100.957	ug/l	98
22) Diisopropyl ether	5.91	45	739410	105.559	ug/l	98
23) Vinyl Acetate	5.85	43	2955601	520.037	ug/l	100
24) 1,1-Dichloroethane	5.82	63	396356	103.838	ug/l	100
25) 2-Butanone	6.79	43	767729	554.377	ug/l	100
26) 2,2-Dichloropropane	6.79	77	332275	108.938	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	229161	100.786	ug/l	99
28) Bromochloromethane	7.17	49	177607	97.760	ug/l	98
29) Tetrahydrofuran	7.18	42	518420	533.693	ug/l	100
30) Chloroform	7.34	83	370108	101.424	ug/l	99
31) Cyclohexane	7.63	56	386533	99.961	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	322307	102.849	ug/l	100
36) 1,1-Dichloropropene	7.77	75	299708	106.179	ug/l	100
37) Ethyl Acetate	6.89	43	320835	104.659	ug/l	99
38) Carbon Tetrachloride	7.75	117	265260	105.509	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	360404	107.022	ug/l	99
40) Benzene	8.02	78	875992	102.920	ug/l	100
41) Methacrylonitrile	7.14	41	146490m	111.849	ug/l	
42) 1,2-Dichloroethane	8.10	62	300170	103.081	ug/l	100
43) Isopropyl Acetate	8.14	43	540974	107.308	ug/l	100
44) Trichloroethene	8.81	130	217997	102.087	ug/l	100
45) 1,2-Dichloropropane	9.10	63	237712	105.641	ug/l	99
46) Dibromomethane	9.19	93	143211	105.782	ug/l	99
47) Bromodichloromethane	9.38	83	298180	105.608	ug/l	98
48) Methyl methacrylate	9.18	41	249915	111.094	ug/l	98
49) 1,4-Dioxane	9.18	88	65313	2411.025	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1578491	549.261	ug/l	99
52) Toluene	10.14	92	530310	103.272	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	352686	108.672	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	377566	105.797	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	200848	101.678	ug/l	96
56) Ethyl methacrylate	10.42	69	347454	112.684	ug/l	99
57) 1,3-Dichloropropane	10.70	76	359946	104.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	798007	542.480	ug/l	100
59) 2-Hexanone	10.74	43	1168215	564.503	ug/l	99
60) Dibromochloromethane	10.89	129	217697	107.047	ug/l	99
61) 1,2-Dibromoethane	10.99	107	212086	107.127	ug/l	99
64) Tetrachloroethene	10.62	164	197980	95.572	ug/l	99
65) Chlorobenzene	11.42	112	544217	103.154	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	195851	102.684	ug/l	99
67) Ethyl Benzene	11.50	91	1026749	104.643	ug/l	99
68) m/p-Xylenes	11.61	106	755842	208.133	ug/l	99
69) o-Xylene	11.94	106	361415	104.276	ug/l	99
70) Styrene	11.96	104	618770	109.042	ug/l	99
71) Bromoform	12.12	173	158743	111.673	ug/l #	99
73) Isopropylbenzene	12.24	105	968381	100.072	ug/l	100
74) N-amyl acetate	12.06	43	477738	106.399	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	305217	103.765	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	267473m	96.332	ug/l	
77) Bromobenzene	12.52	156	229107	98.631	ug/l	99
78) n-propylbenzene	12.58	91	1166423	101.699	ug/l	100
79) 2-Chlorotoluene	12.67	91	678043	99.330	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	827176	100.651	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	116402	107.112	ug/l	98
82) 4-Chlorotoluene	12.77	91	712133	102.199	ug/l	100
83) tert-Butylbenzene	12.99	119	692403	101.615	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	834373	102.705	ug/l	100
85) sec-Butylbenzene	13.17	105	948894	103.313	ug/l	100
86) p-Isopropyltoluene	13.28	119	854230	103.529	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416582	101.315	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	419138	101.605	ug/l	99
89) n-Butylbenzene	13.61	91	814614	108.809	ug/l	99
90) Hexachloroethane	13.87	117	133061	110.602	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	397352	101.359	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	64310	97.579	ug/l	99

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ClientSampleId :
VSTDICC100

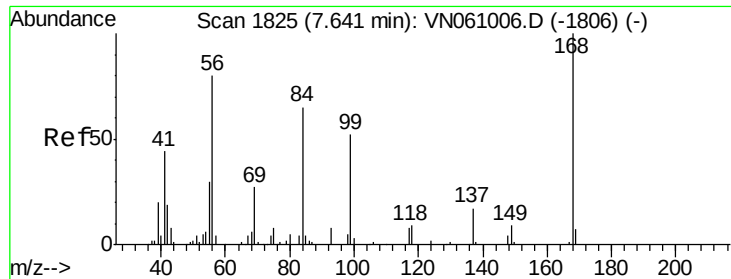
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	255032	105.997	ug/l	99
94) Hexachlorobutadiene	15.00	225	120636	101.428	ug/l	99
95) Naphthalene	15.13	128	751061	104.324	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	241602	101.926	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 172481

Ion Ratio Lower Upper

168 100

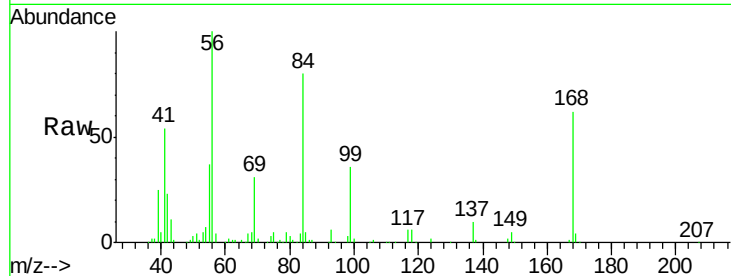
99 57.4 47.4 71.2

Manual Integrations

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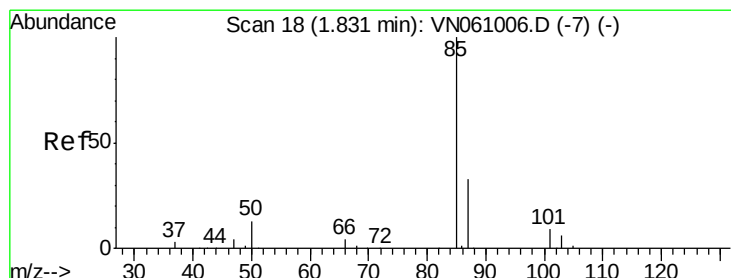
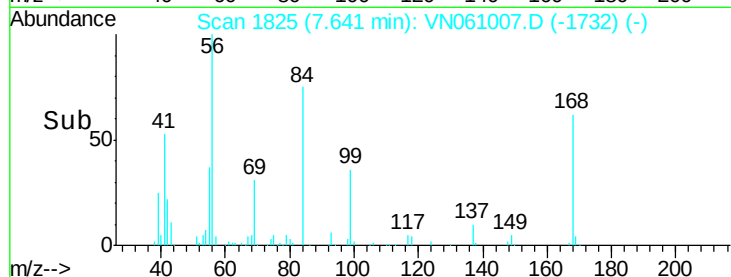
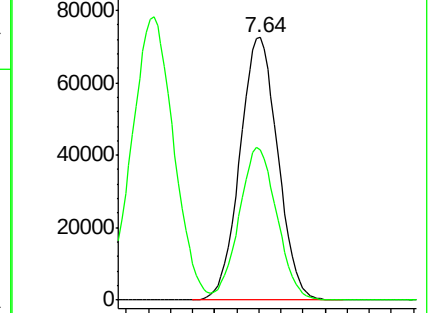
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 129.049 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061007.D

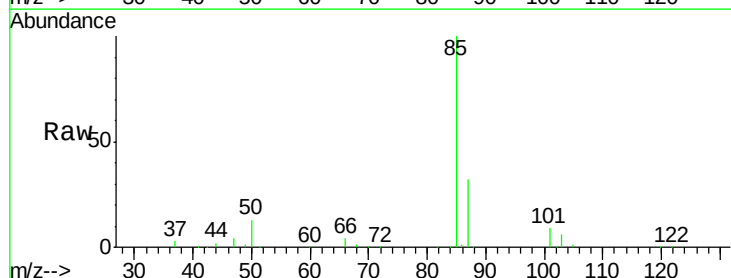
Acq: 16 Apr 2020 12:41

Tgt Ion: 85 Resp: 228345

Ion Ratio Lower Upper

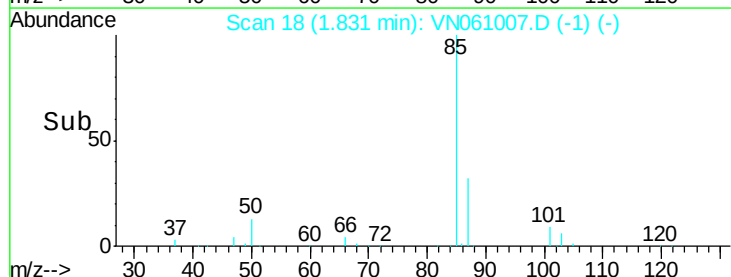
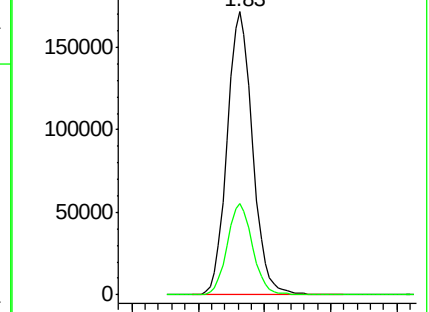
85 100

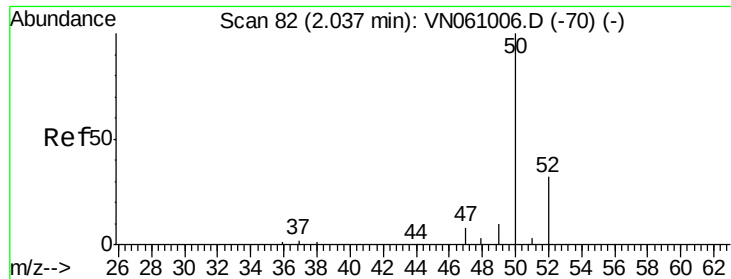
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





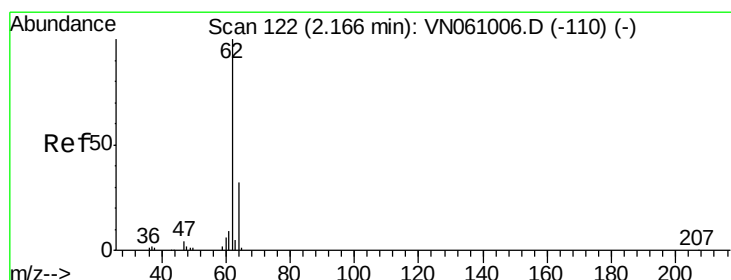
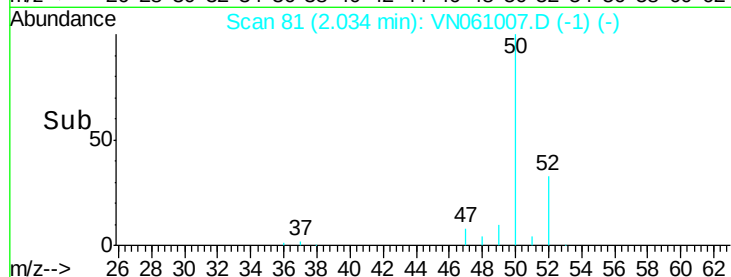
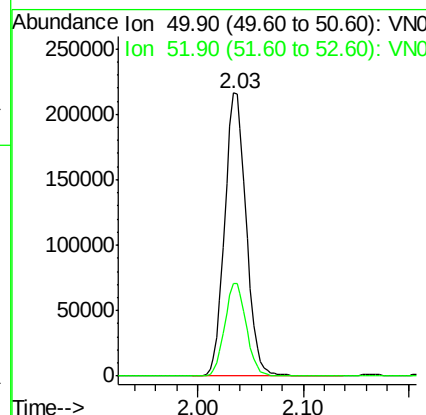
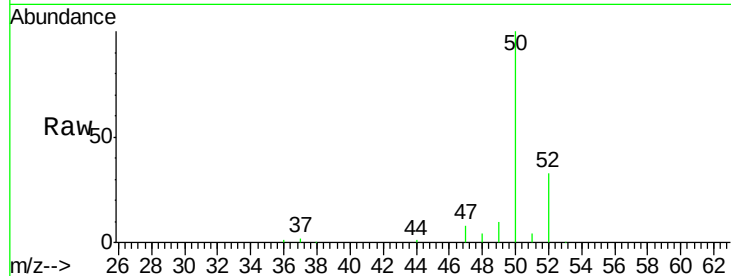
#3
Chloromethane
Concen: 97.966 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.8	25.6	38.4

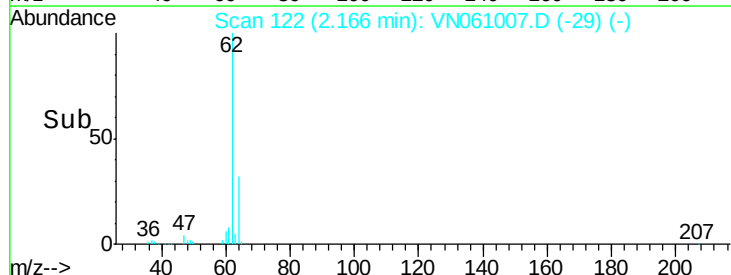
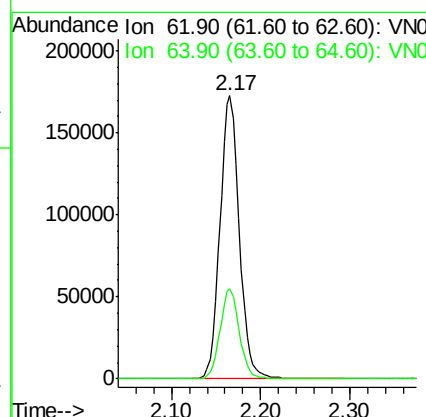
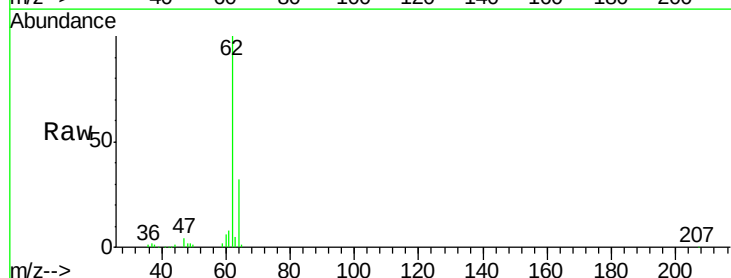
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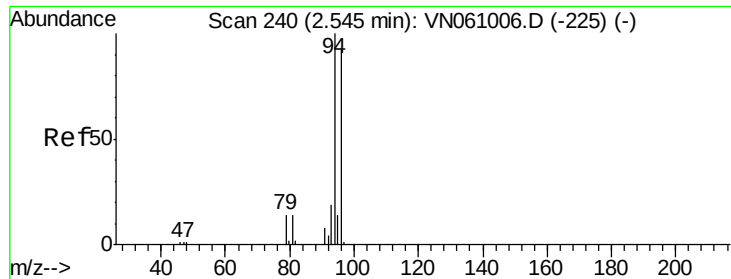
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#4
Vinyl Chloride
Concen: 105.071 ug/l
RT: 2.17 min Scan# 122
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.4	38.0





#5

Bromomethane

Concen: 113.910 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.02 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 124963

Ion Ratio Lower Upper

94 100

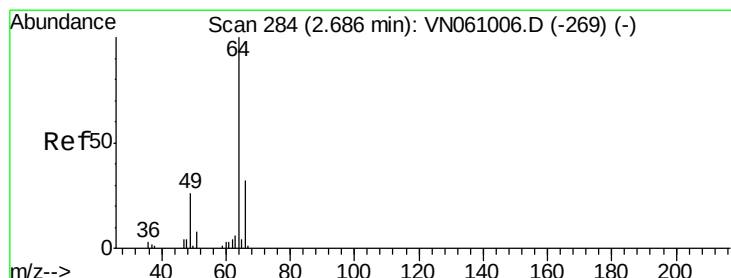
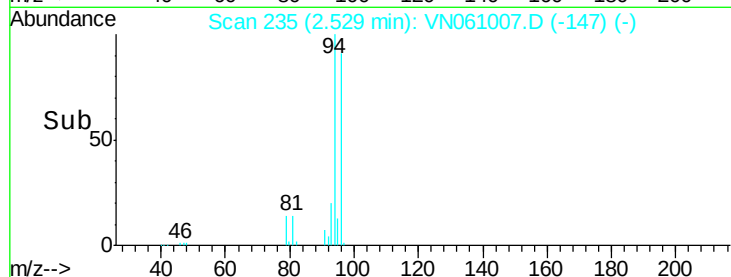
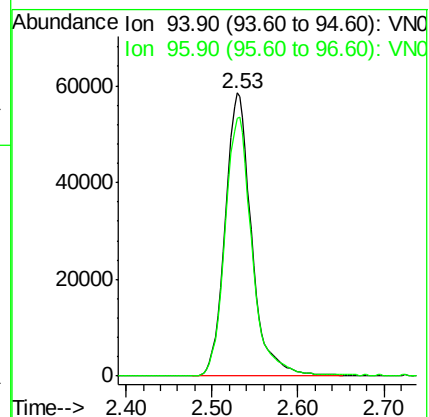
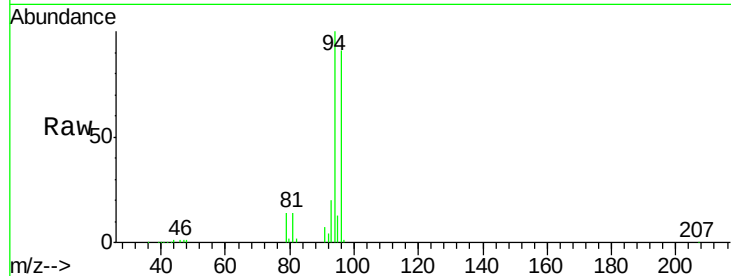
96 91.2 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 107.221 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN061007.D

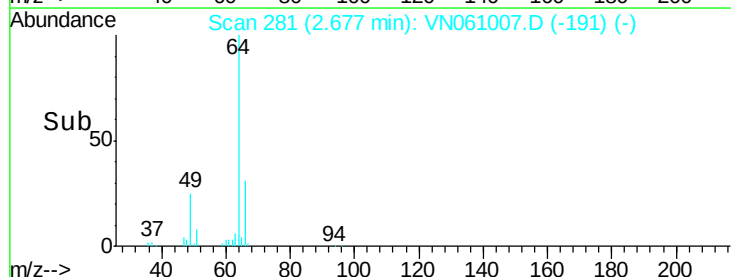
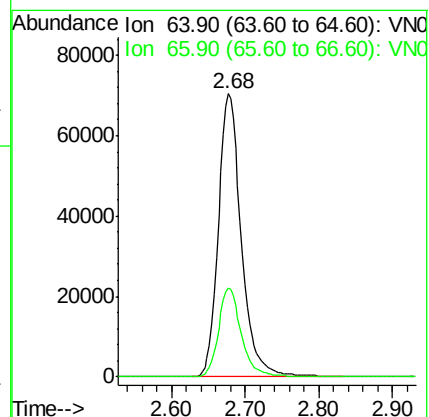
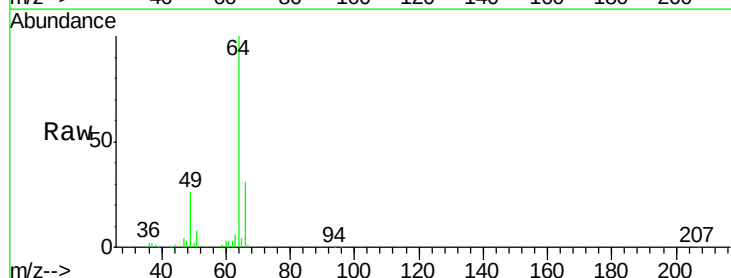
Acq: 16 Apr 2020 12:41

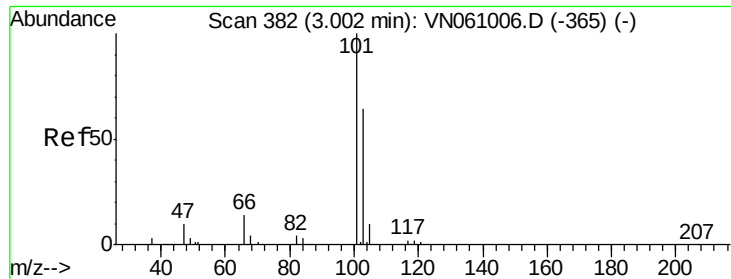
Tgt Ion: 64 Resp: 152026

Ion Ratio Lower Upper

64 100

66 31.5 25.8 38.8





#7

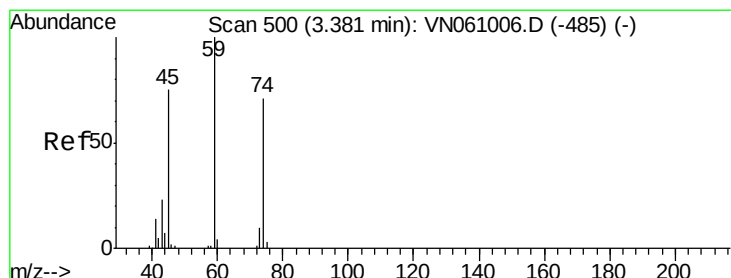
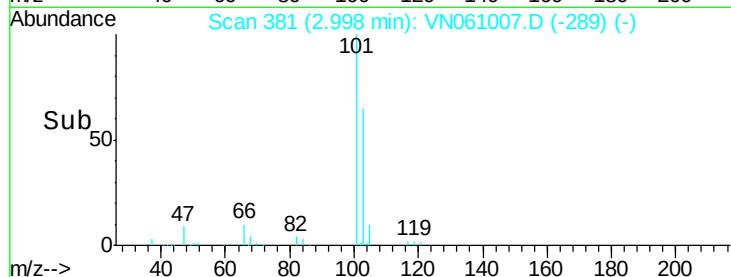
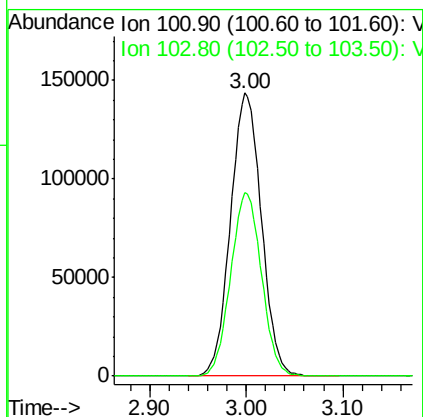
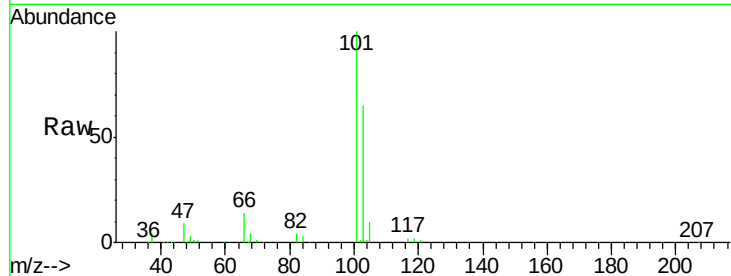
Trichlorofluoromethane
 Concen: 104.834 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	318877		
103	64.9	51.4	77.2	

Manual Integrations
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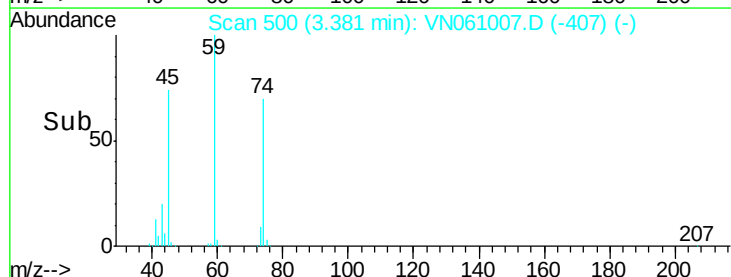
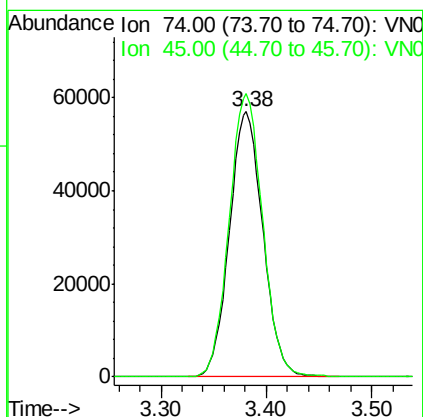
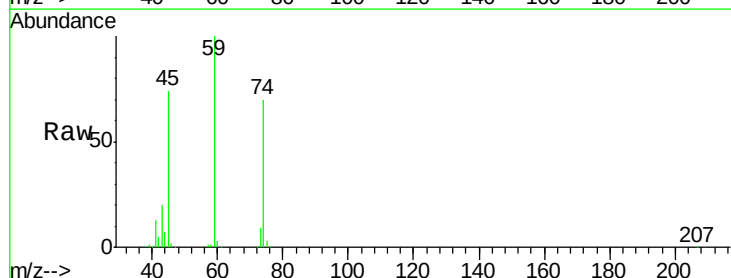
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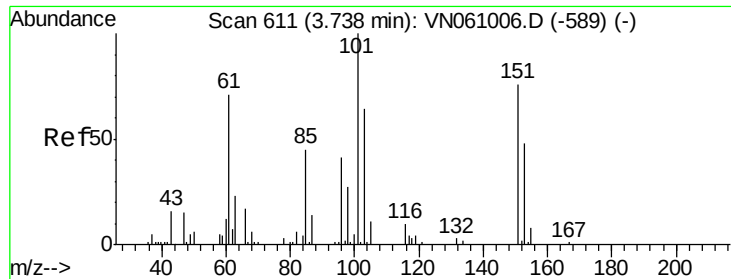


#8

Diethyl Ether
 Concen: 103.066 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	125380		
45	107.0	52.9	158.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.995 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

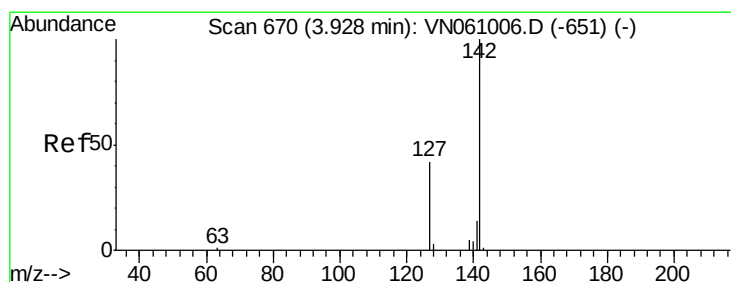
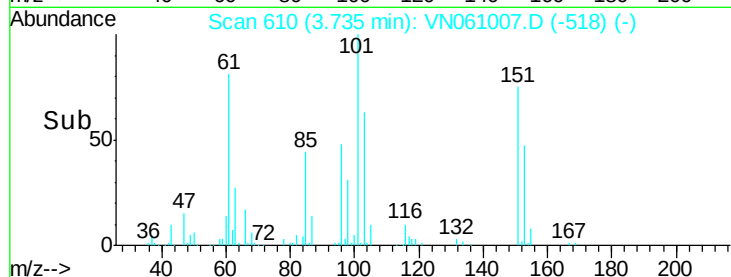
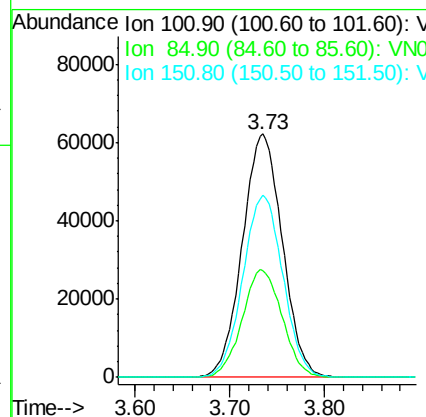
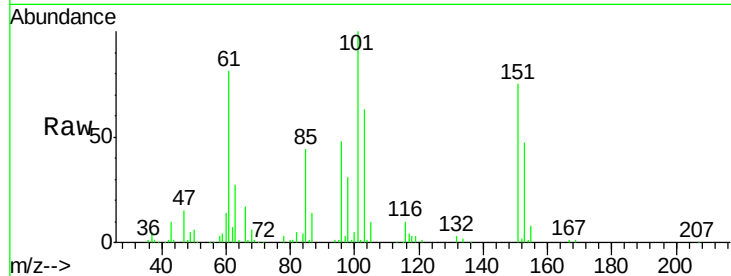
ClientSampled :

VSTDIC100

Tot Ion:	101	Resp:	182260
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.9	53.9
151	75.2	60.8	91.2

Manual Integrations
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#10

Methyl Iodide

Concen: 107.381 ug/l

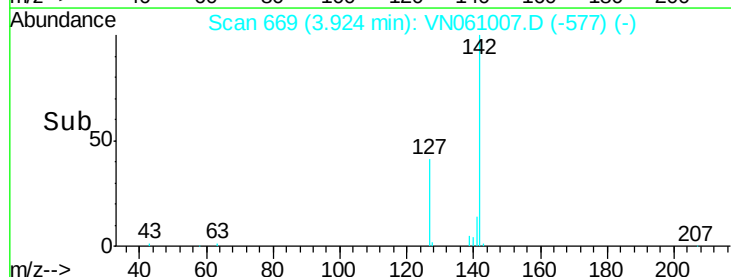
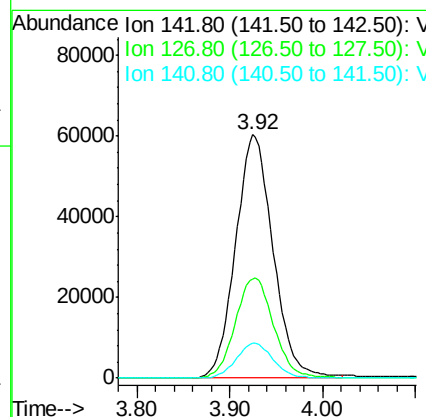
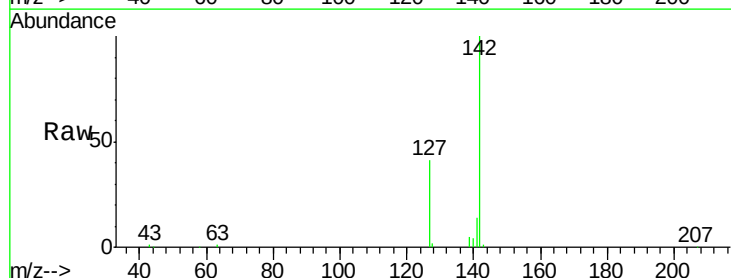
RT: 3.92 min Scan# 669

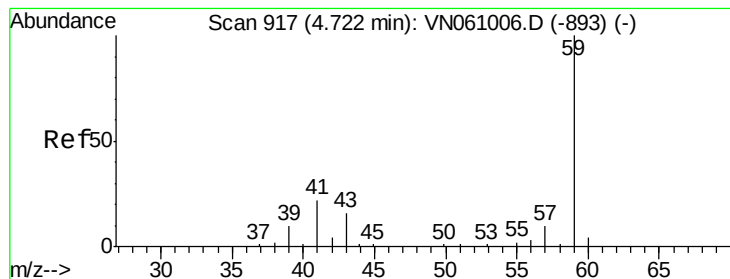
Delta R.T. -0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	142	Resp:	169234
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.4	50.2
141	14.1	11.0	16.6





#11

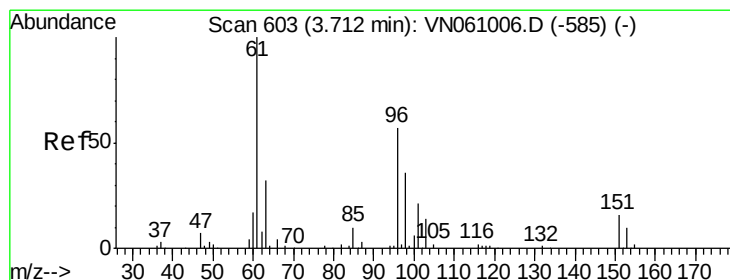
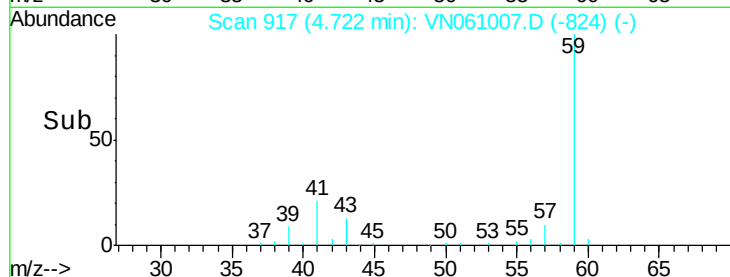
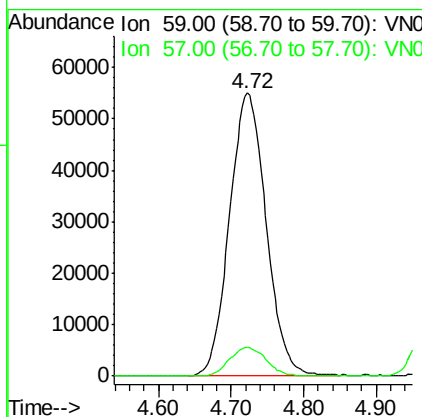
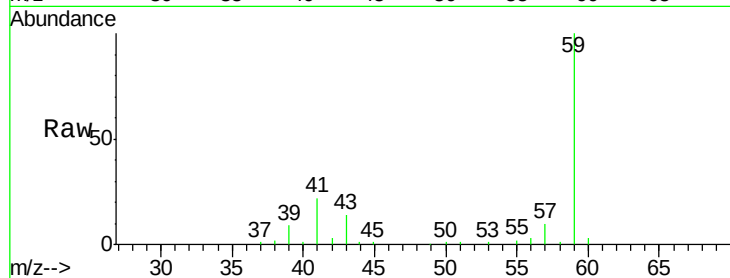
Tert butyl alcohol
Concen: 543.365 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	193838		
57	10.1		8.1	12.1

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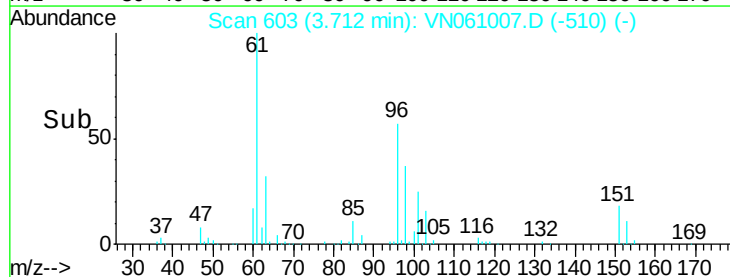
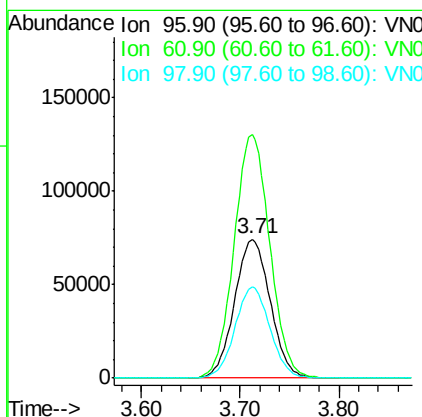
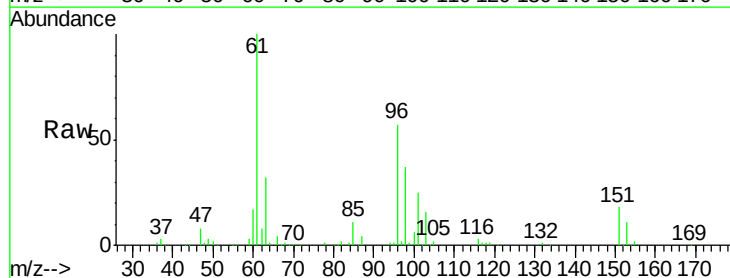
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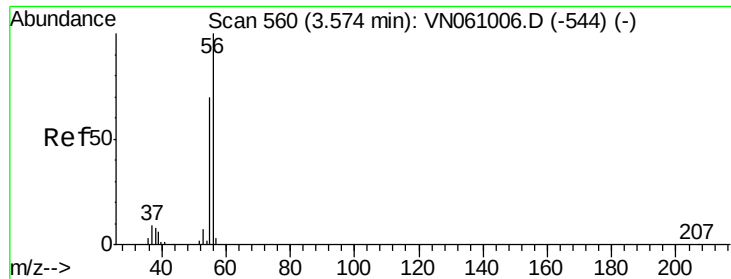


#12

1,1-Dichloroethene
Concen: 99.786 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	186842		
61	174.8		139.2	208.8
98	65.4		50.0	75.0





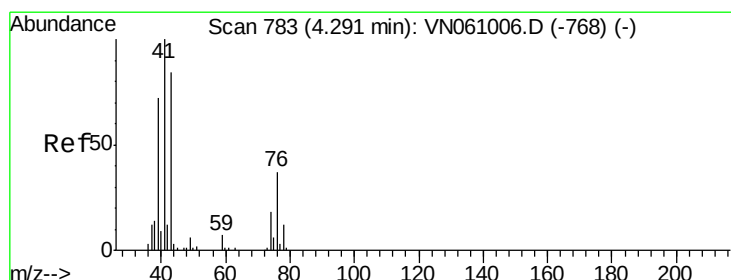
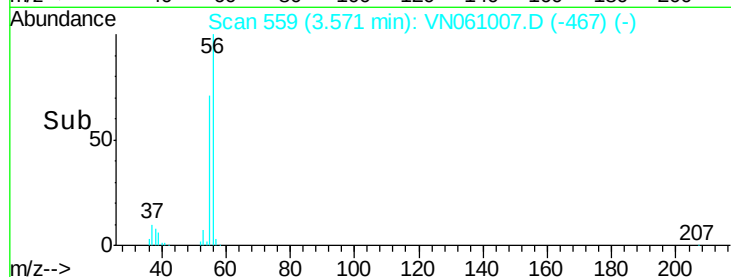
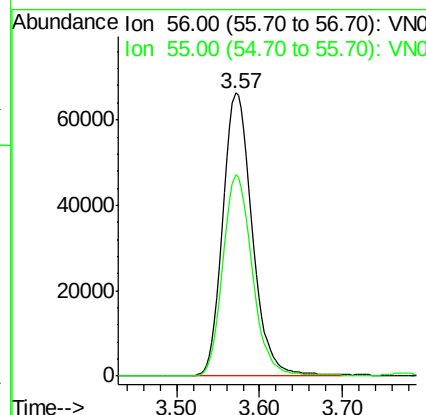
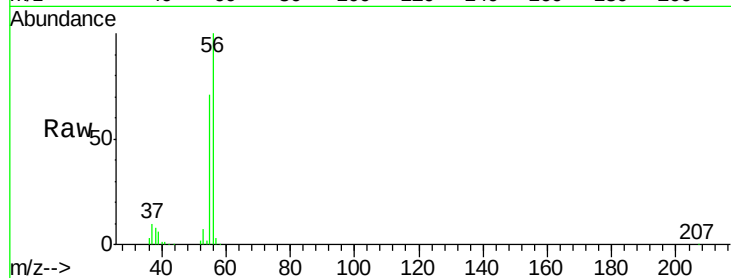
#13
Acrolein
Concen: 441.430 ug/l
RT: 3.57 min Scan# 559
Delta R.T. -0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	164001
Ion Ratio	100	Lower	Upper
56	100		
55	71.0	57.0	85.6

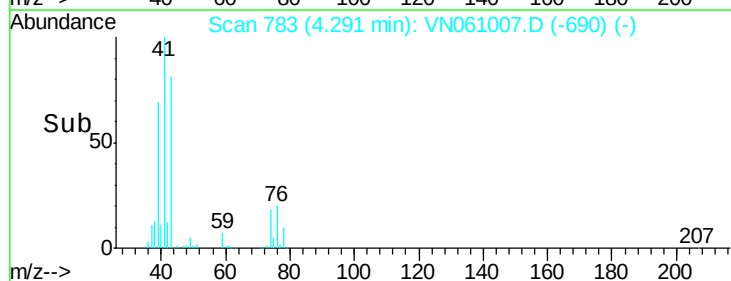
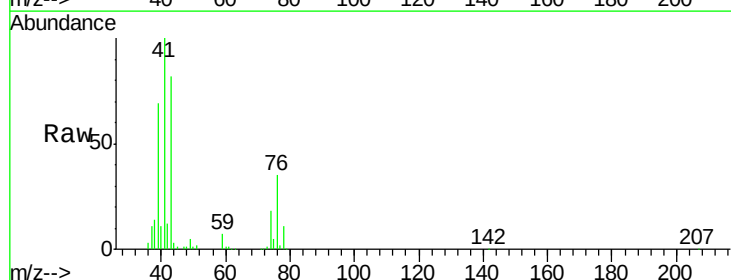
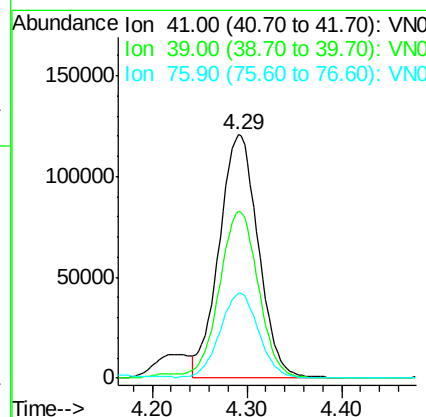
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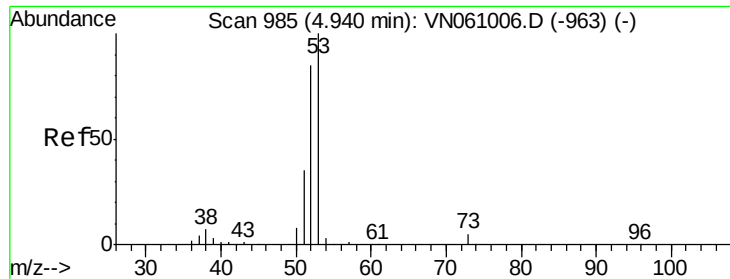
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#14
Allyl chloride
Concen: 103.719 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	41	Resp	345614
Ion Ratio	100	Lower	Upper
41	100		
39	68.5	56.3	84.5
76	34.8	27.7	41.5





#15

Acrylonitrile

Concen: 544.740 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

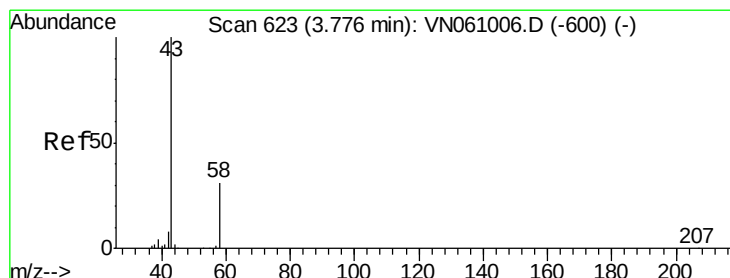
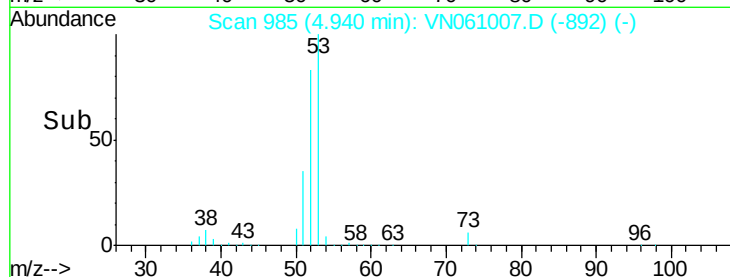
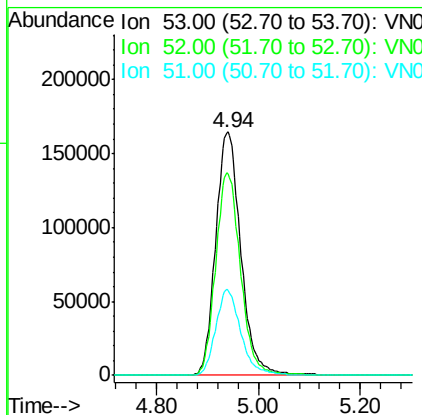
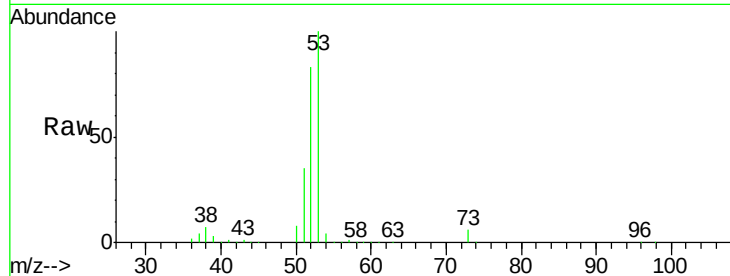
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	563194
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.8	100.2
51	35.2	28.9	43.3

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#16

Acetone

Concen: 544.800 ug/l

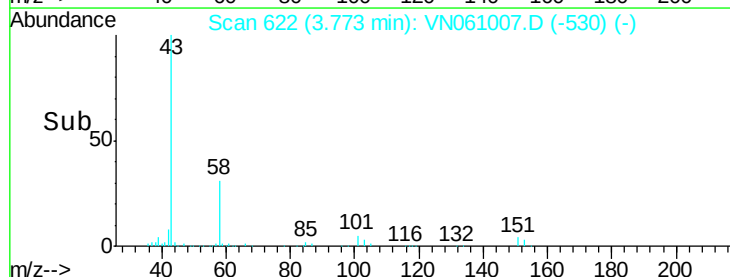
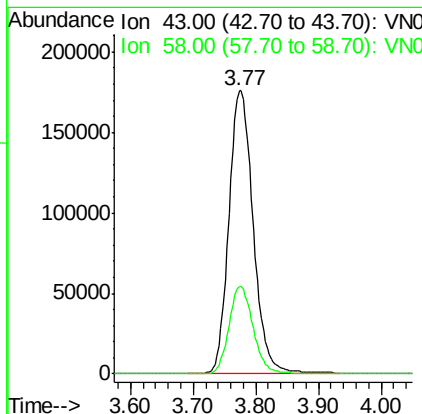
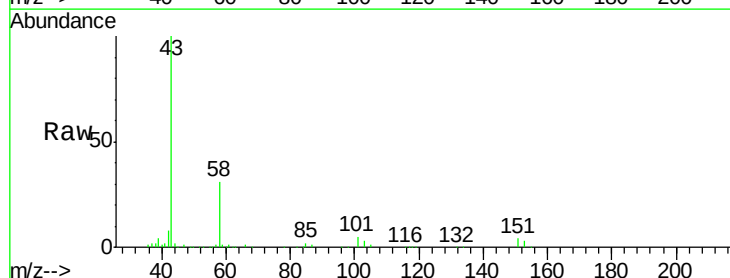
RT: 3.77 min Scan# 622

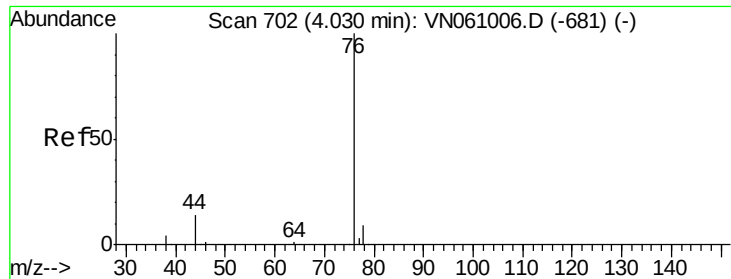
Delta R.T. -0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	43	Resp:	474451
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.6	37.0





#17

Carbon Disulfide

Concen: 101.812 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 581364

Ion Ratio Lower Upper

76 100

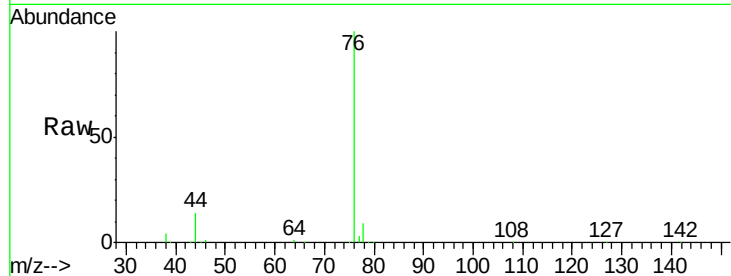
78 9.2 7.6 11.4

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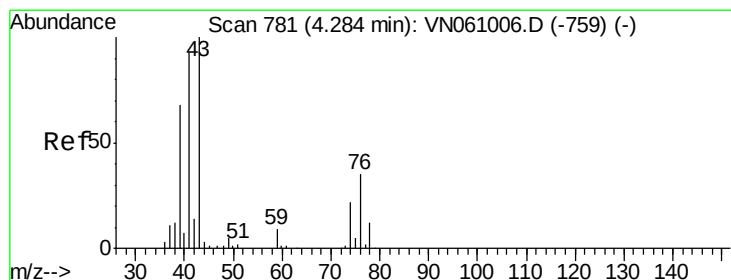
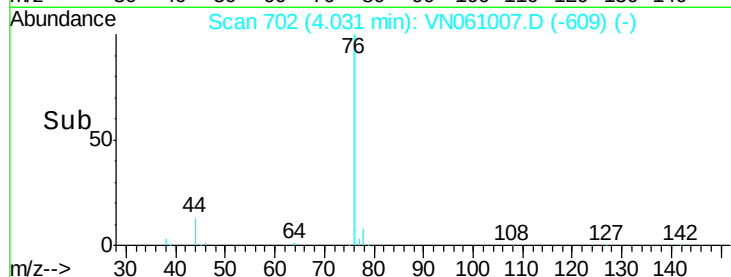
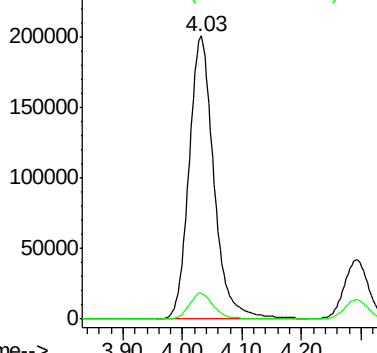
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 126.673 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN061007.D

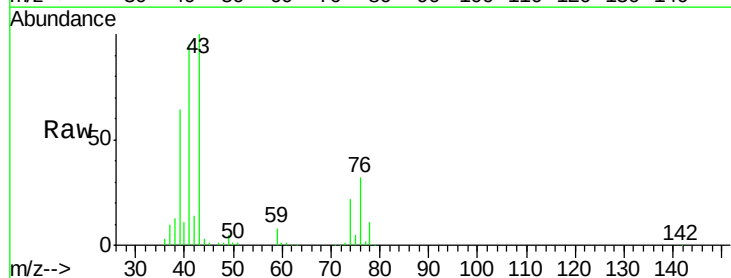
Acq: 16 Apr 2020 12:41

Tgt Ion: 43 Resp: 314781

Ion Ratio Lower Upper

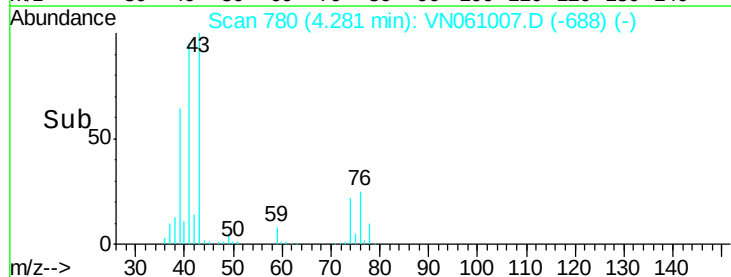
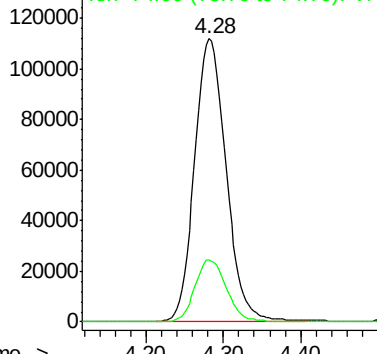
43 100

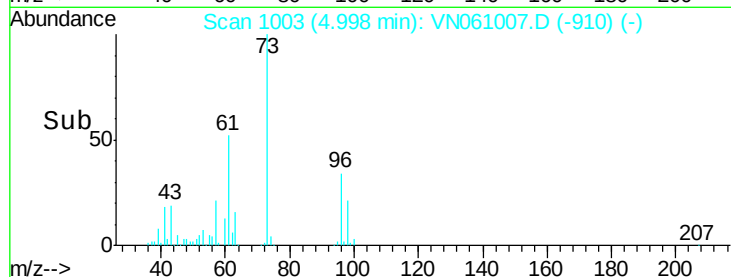
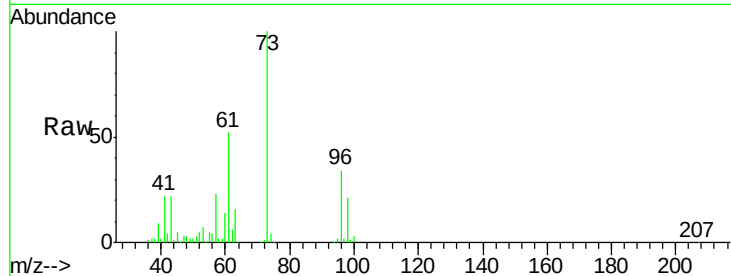
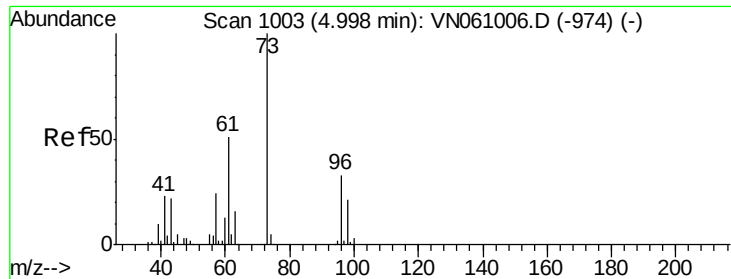
74 22.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





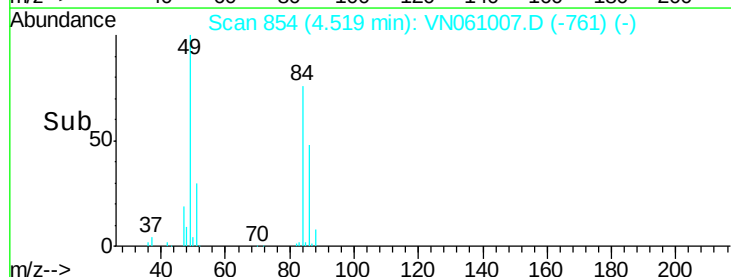
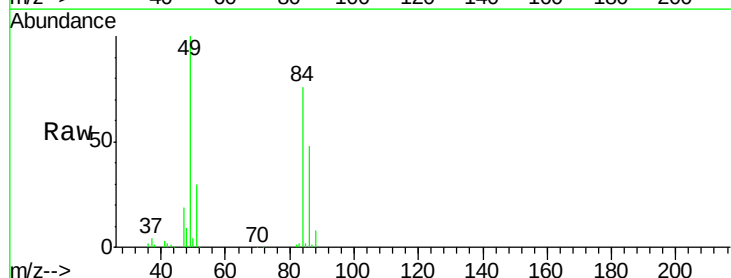
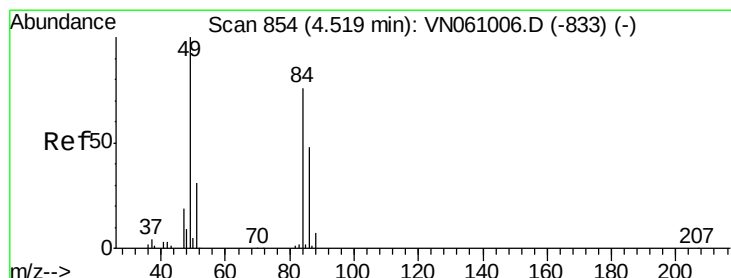
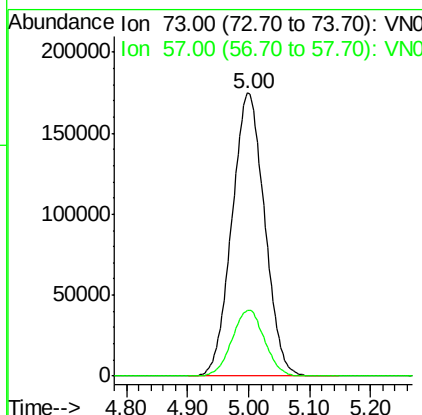
#19
Methyl tert-butyl Ether
Concen: 100.618 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tot Ion: 73 Resp: 649866
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

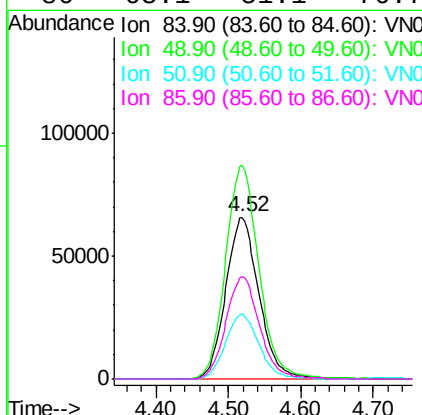
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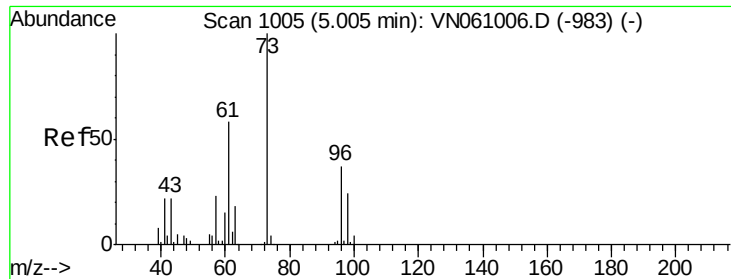
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#20
Methylene Chloride
Concen: 101.513 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion: 84 Resp: 210288
Ion Ratio Lower Upper
84 100
49 132.2 105.8 158.6
51 40.1 32.4 48.6
86 63.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 100.957 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

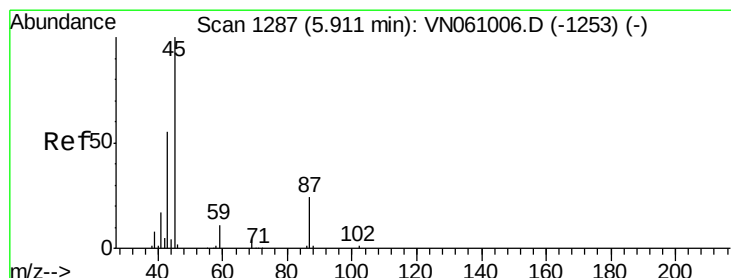
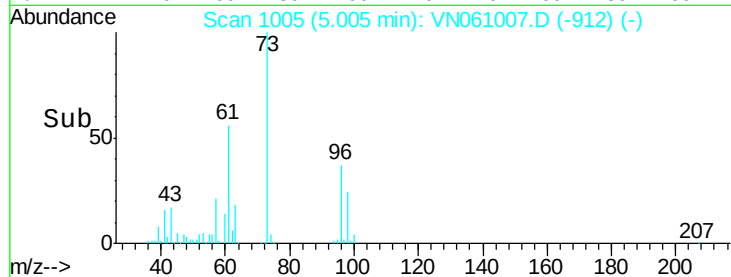
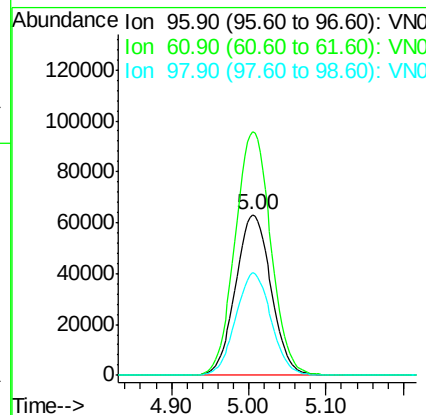
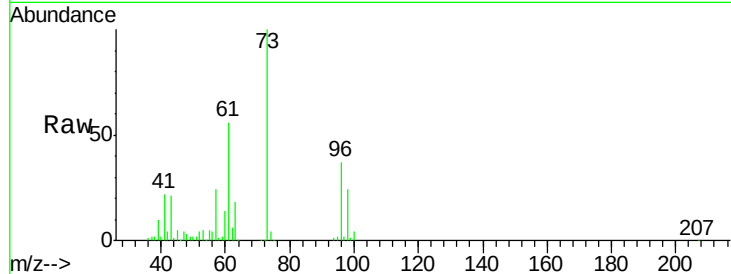
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	201443
Ion	Ratio	Lower	Upper
96	100		
61	151.7	124.8	187.2
98	64.0	51.3	76.9

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#22

Diisopropyl ether

Concen: 105.559 ug/l

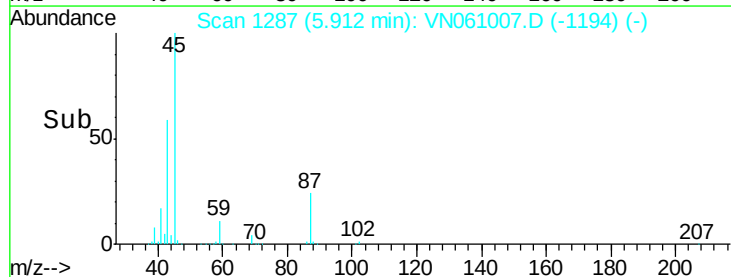
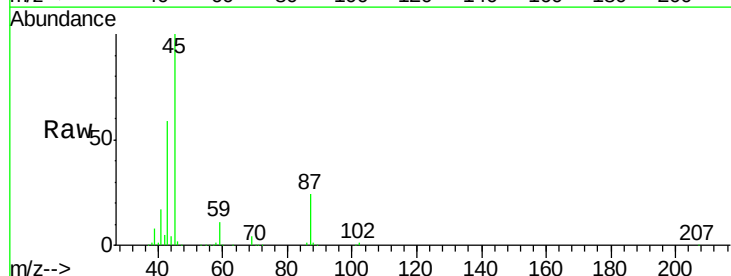
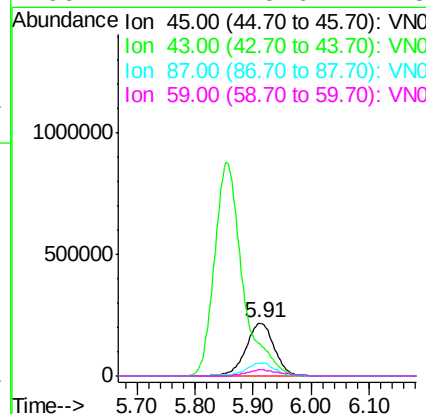
RT: 5.91 min Scan# 1287

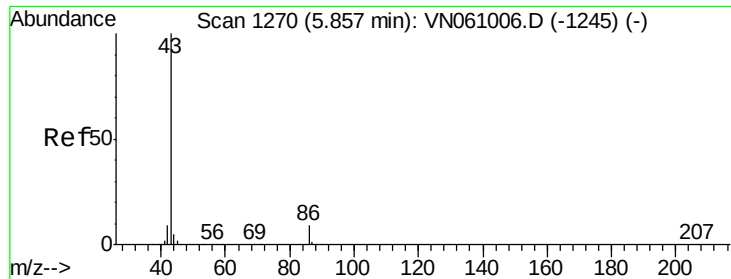
Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	45	Resp:	739410
Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.6	72.8
87	24.5	19.4	29.2
59	11.4	8.6	12.8





#23

Vinyl Acetate

Concen: 520.037 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleID :

VSTDICC100

Tot Ion: 43 Resp: 2955601

Ion Ratio Lower Upper

43 100

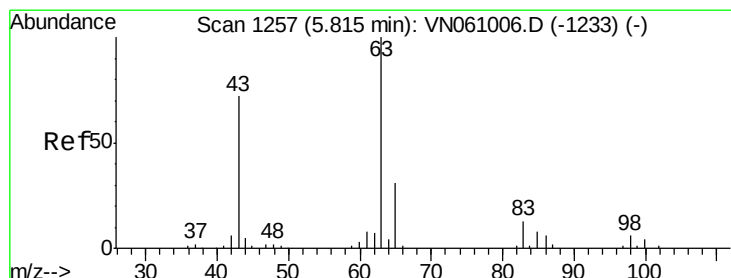
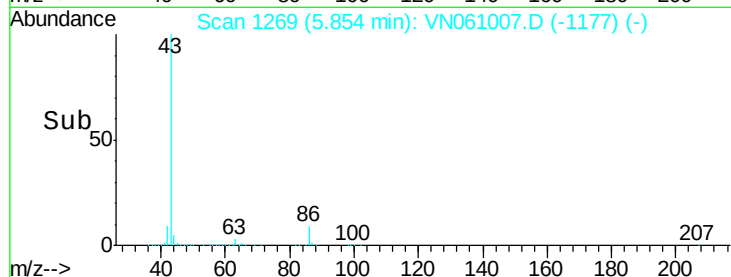
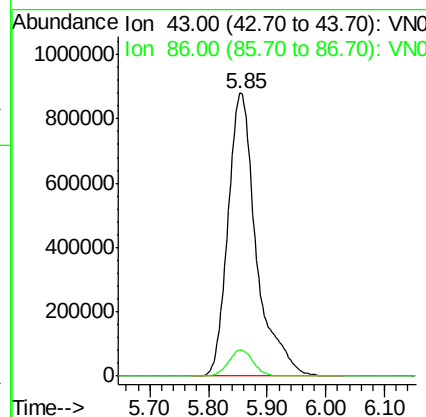
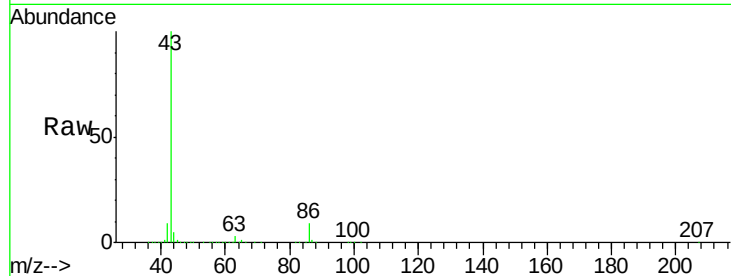
86 9.3 7.3 10.9

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#24

1,1-Dichloroethane

Concen: 103.838 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

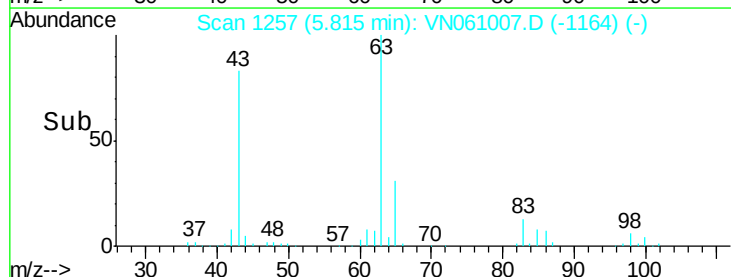
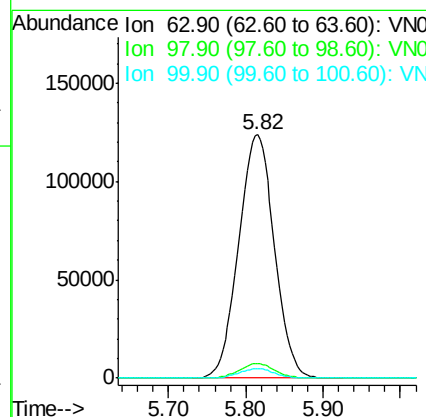
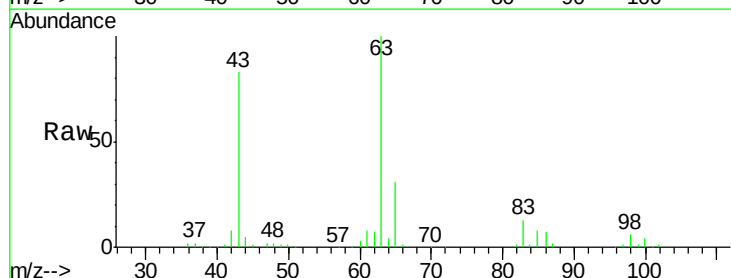
Tgt Ion: 63 Resp: 396356

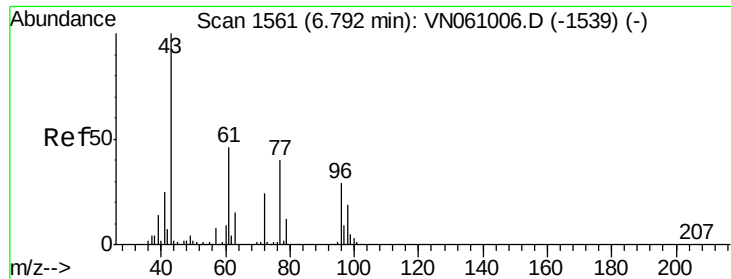
Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.8

100 3.9 2.0 5.8





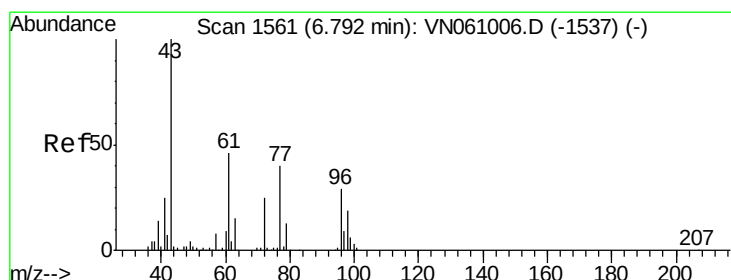
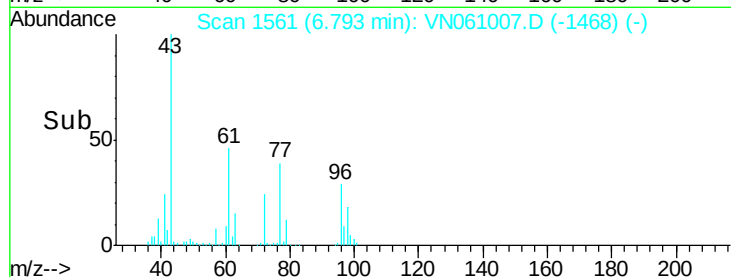
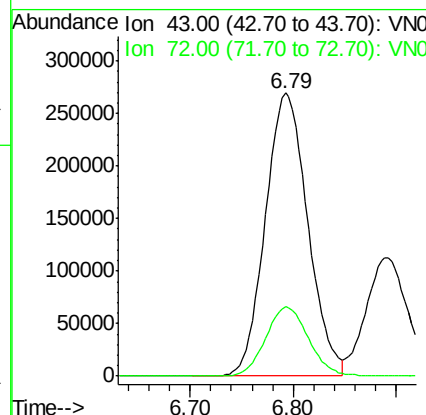
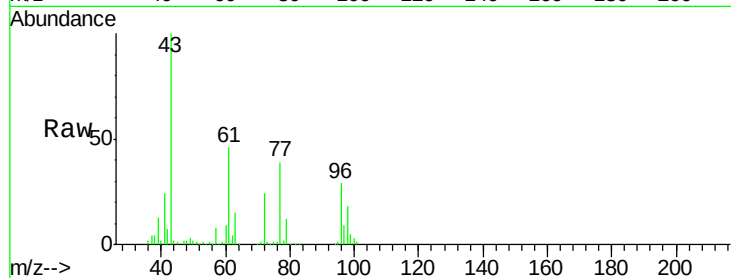
#25
 2-Butanone
 Concen: 554.377 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 767729
 Ion Ratio Lower Upper
 43 100
 72 24.5 19.6 29.4

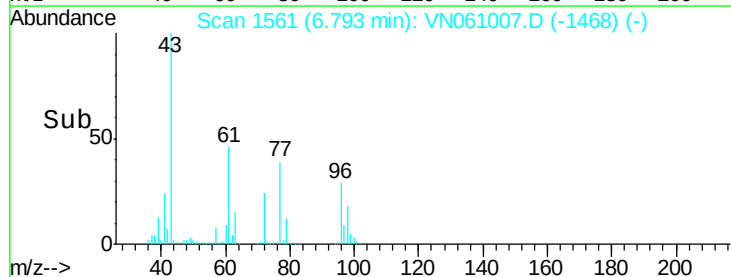
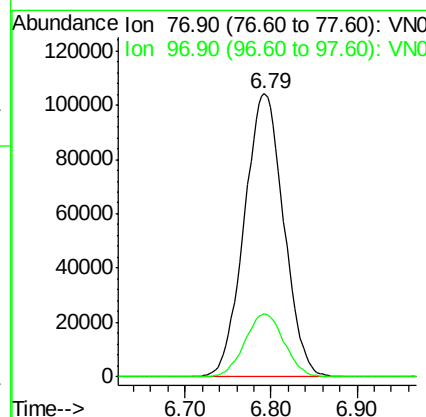
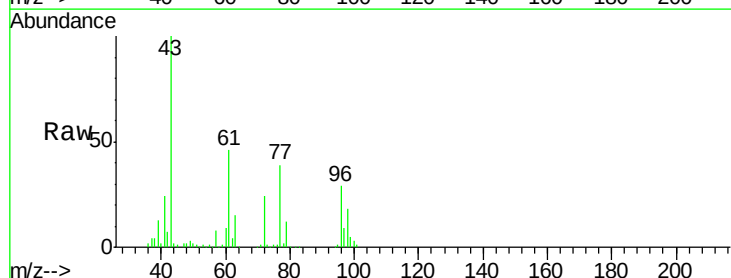
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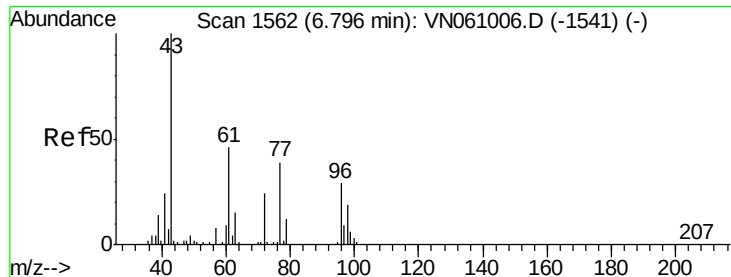
MMDadoda
 4/17/2020 11:53:12 AM



#26
 2,2-Dichloropropane
 Concen: 108.938 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion: 77 Resp: 332275
 Ion Ratio Lower Upper
 77 100
 97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 100.786 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

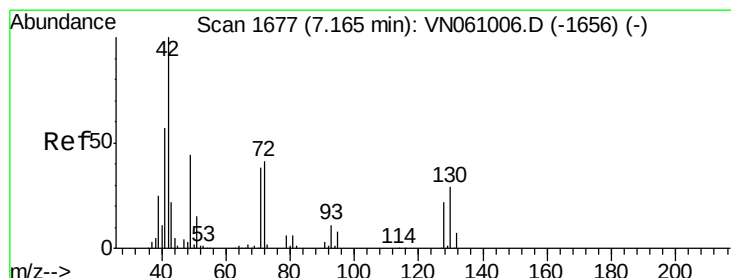
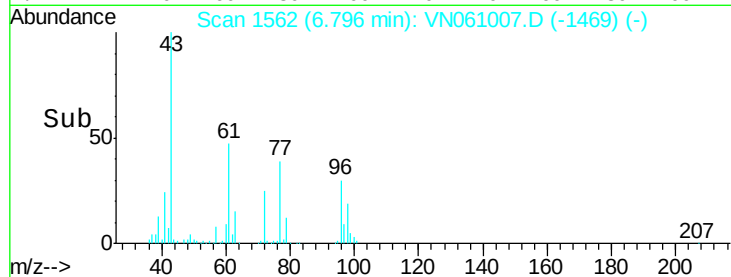
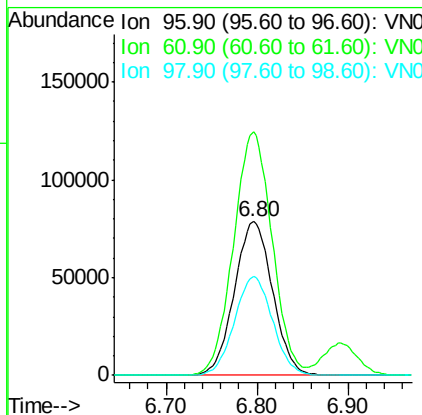
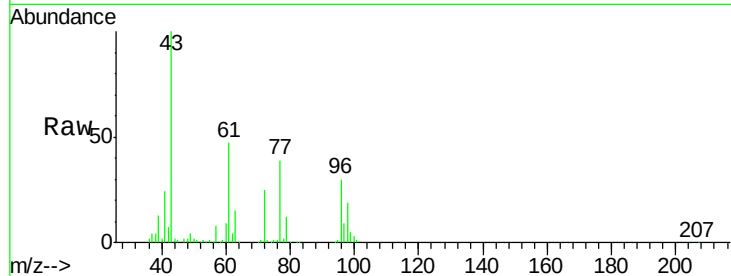
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	229161
Ion Ratio	Lower	Upper	
96	100		
61	159.9	0.0	317.4
98	64.1	0.0	127.8

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#28

Bromochloromethane

Concen: 97.760 ug/l

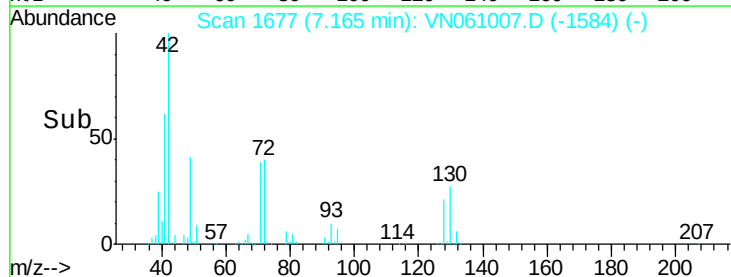
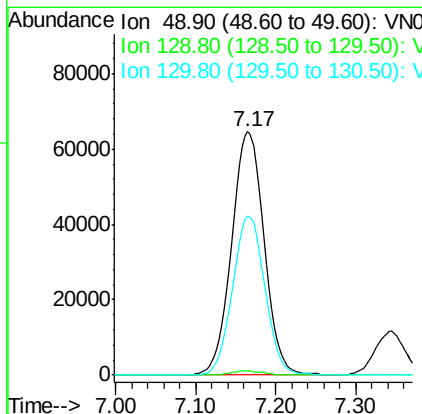
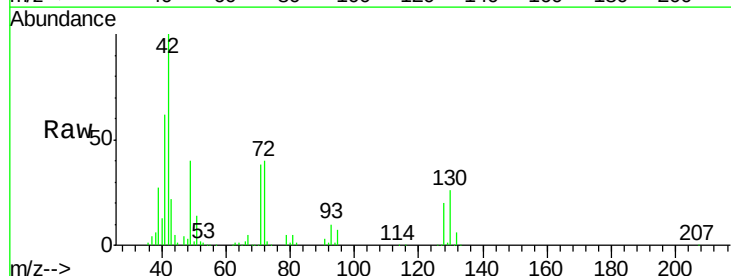
RT: 7.17 min Scan# 1677

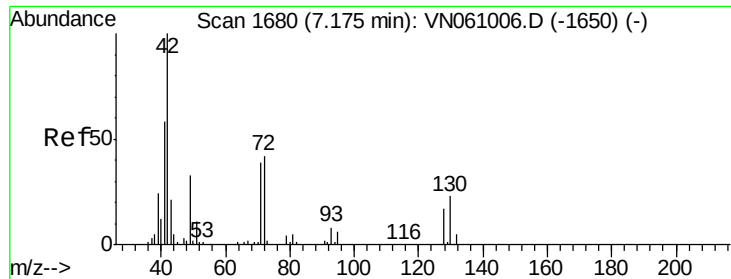
Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	49	Resp:	177607
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.0
130	64.8	52.9	79.3





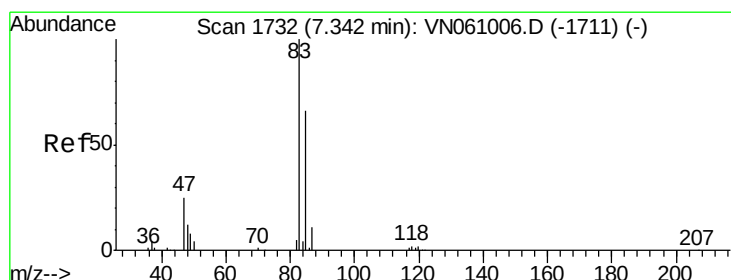
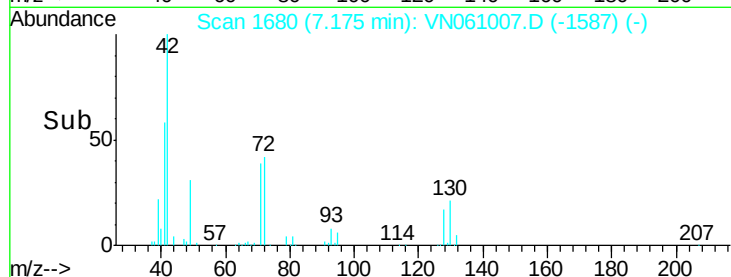
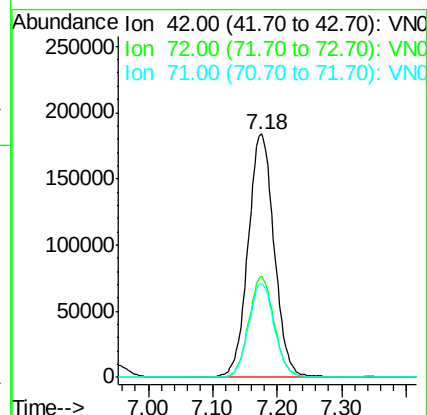
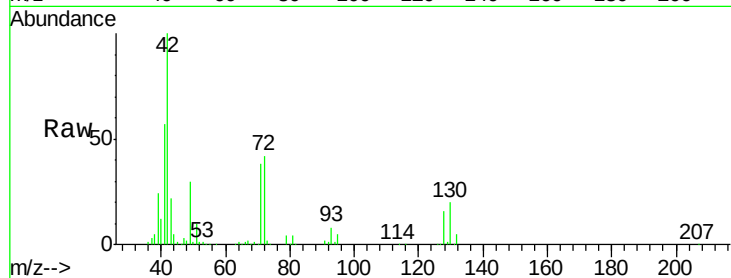
#29
Tetrahydrofuran
Concen: 533.693 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.1	48.1
71	37.9	30.5	45.7

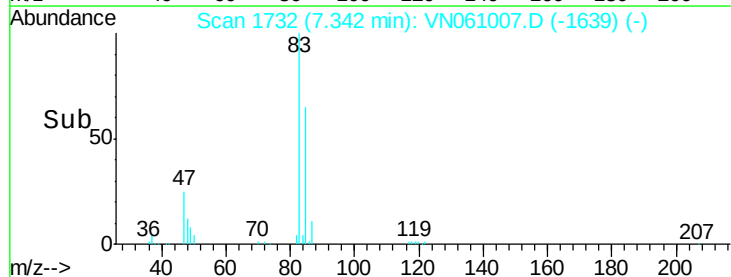
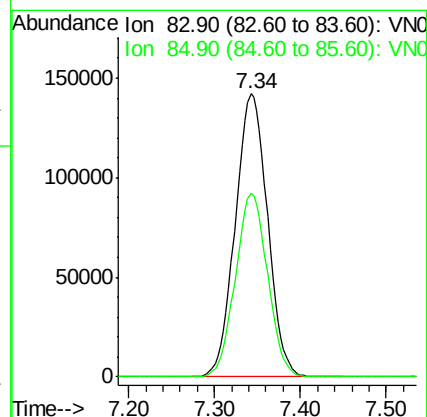
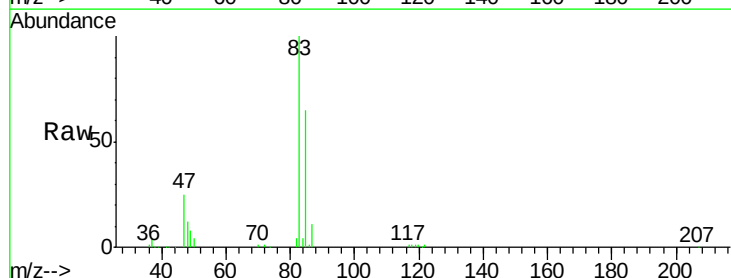
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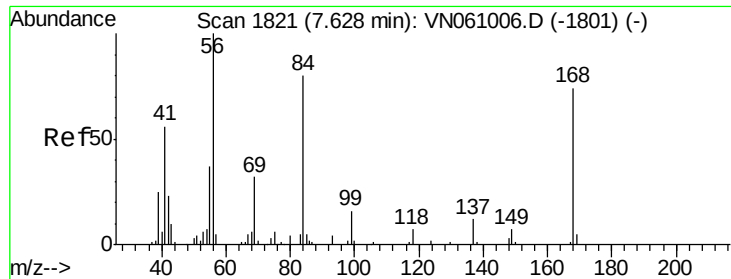
MMDadoda
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#30
Chloroform
Concen: 101.424 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.8	79.2





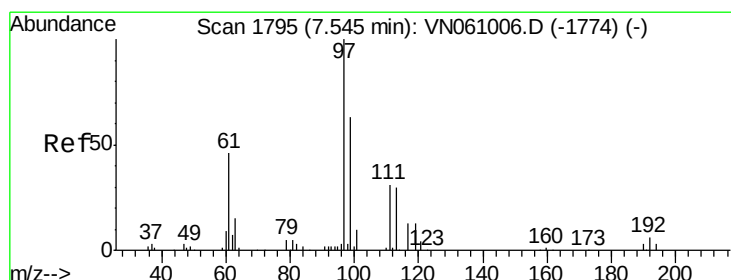
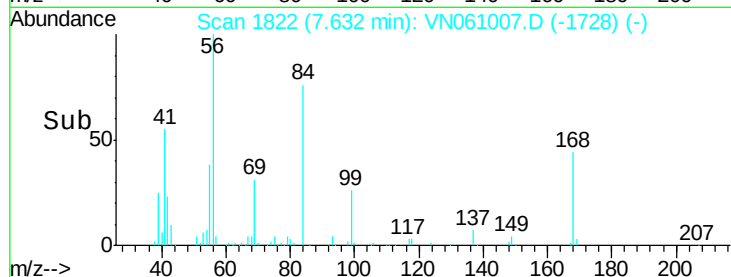
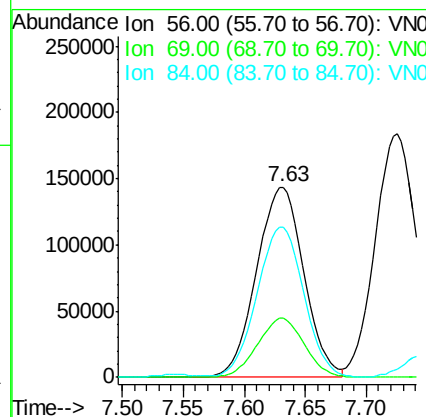
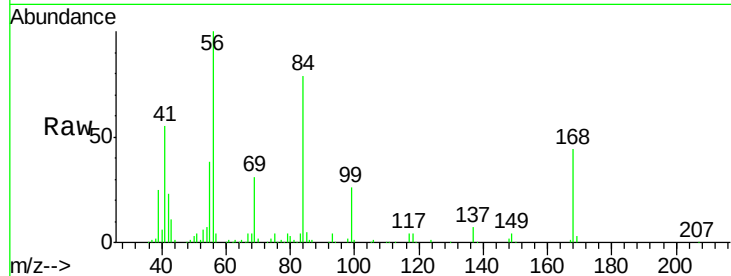
#31
Cyclohexane
Concen: 99.961 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.6	38.4
84	77.6	63.4	95.2

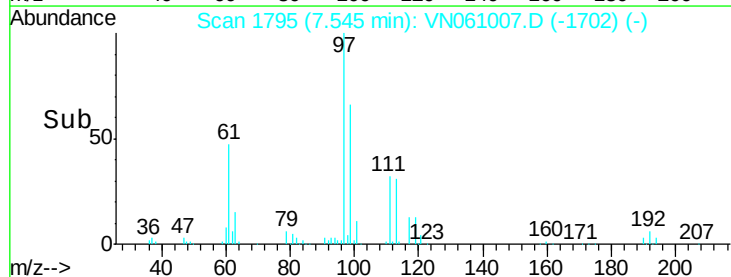
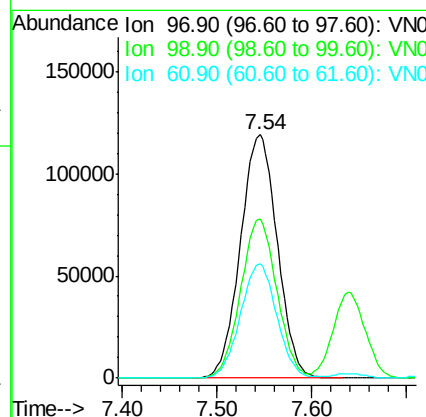
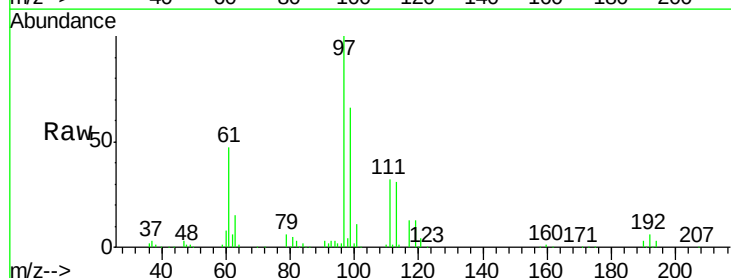
Manual Integrations
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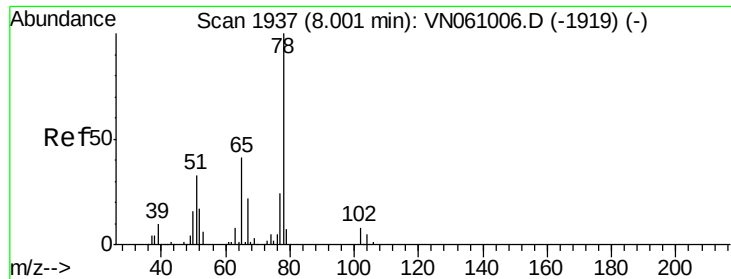
MMDadoda
4/17/2020 11:53:12 AM



#32
1,1,1-Trichloroethane
Concen: 102.849 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.4
61	46.3	37.0	55.6





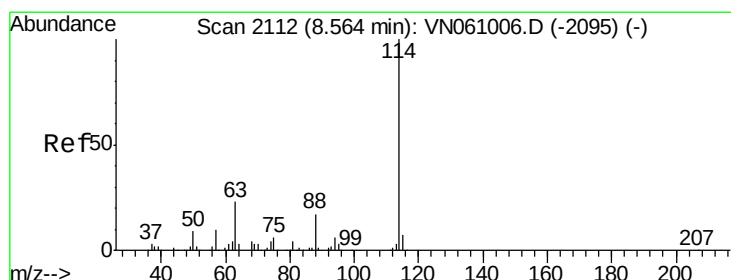
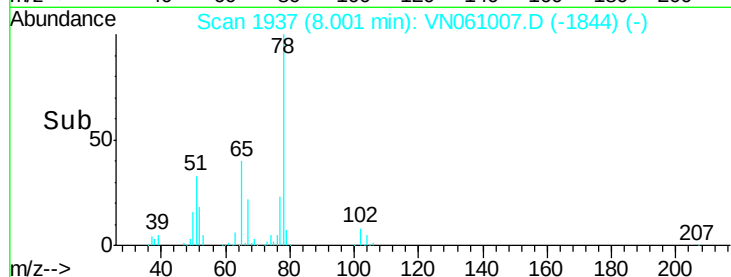
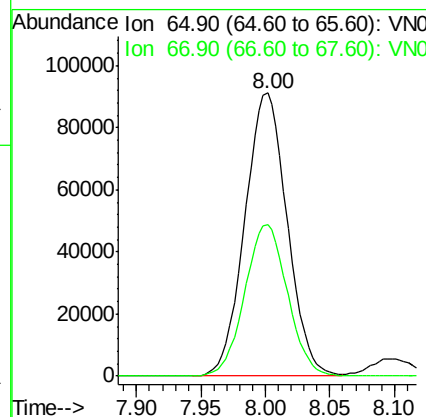
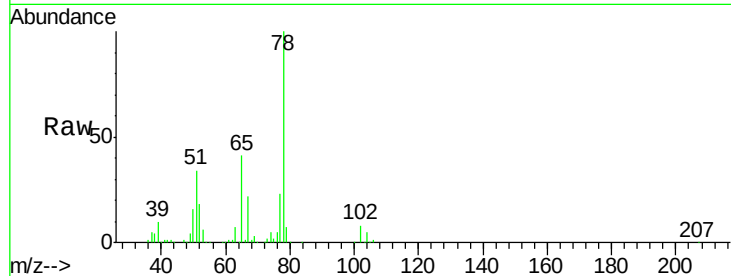
#33
 1,2-Dichloroethane-d4
 Concen: 90.301 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208634		
67	53.9	0.0	107.0	

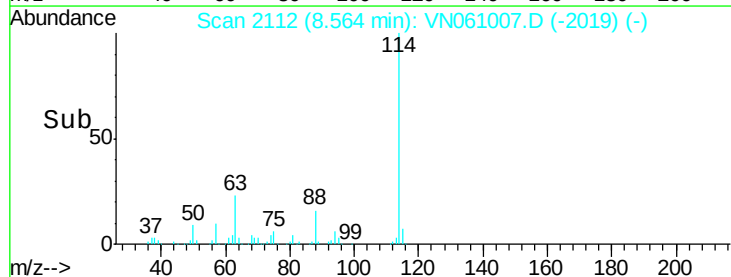
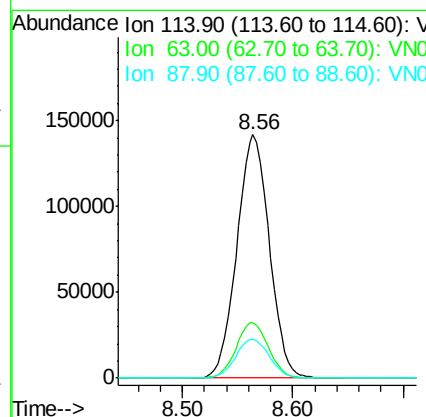
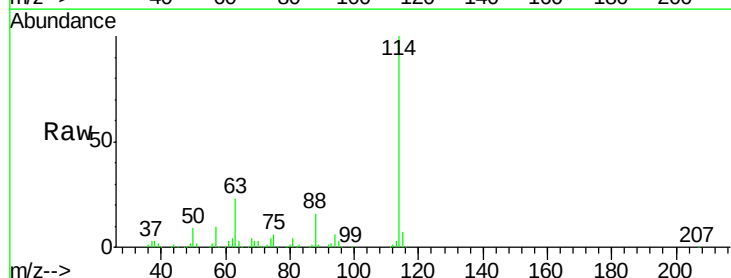
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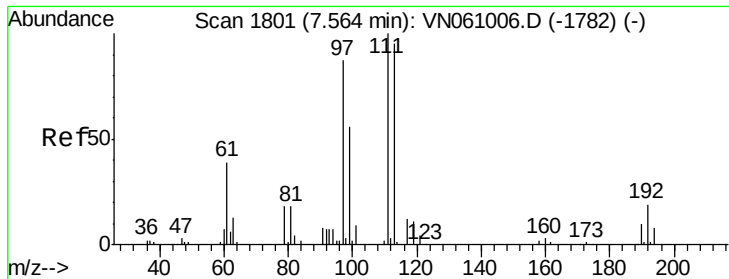
MMDadoda
 4/17/2020 11:53:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	289220		
63	22.9	0.0	46.2	
88	16.1	0.0	33.4	





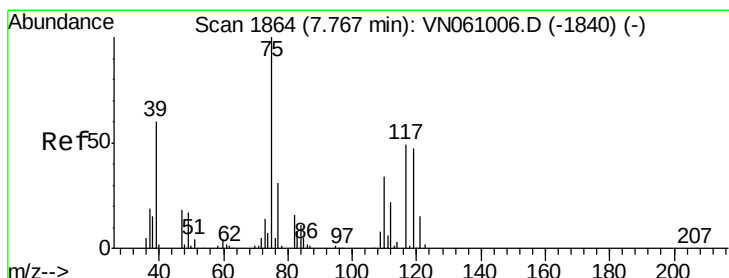
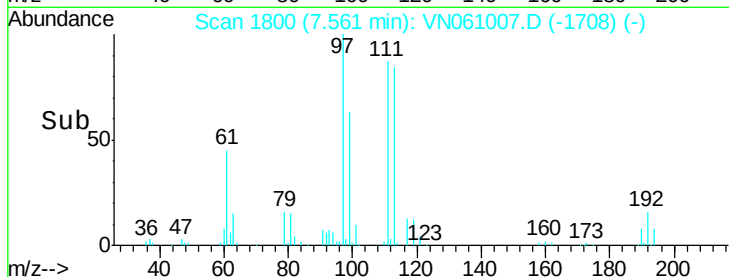
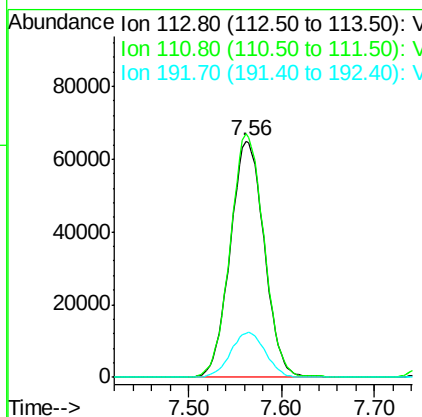
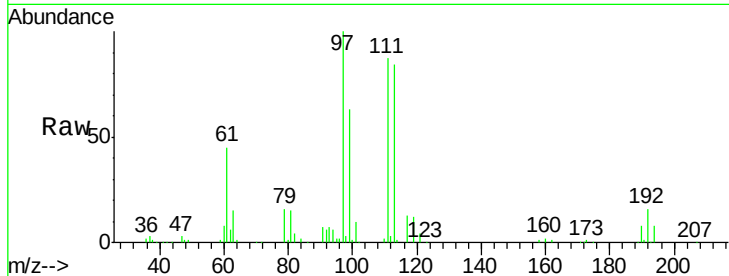
#35
 Dibromofluoromethane
 Concen: 96.076 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165398		
111	102.1	83.4	125.2	
192	19.4	15.5	23.3	

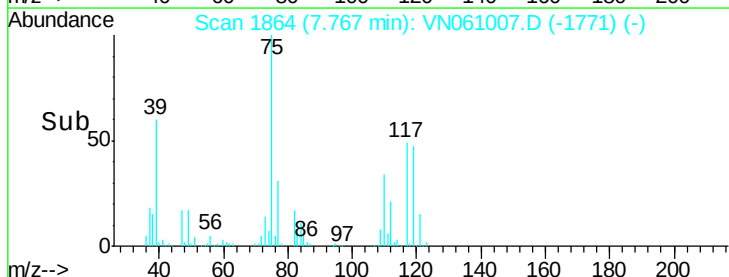
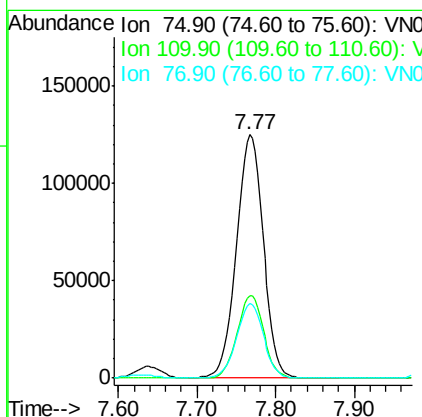
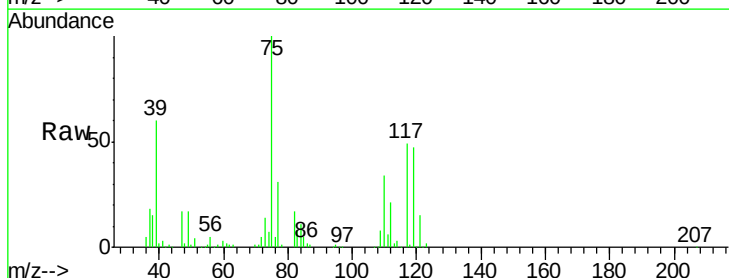
Manual Integrations
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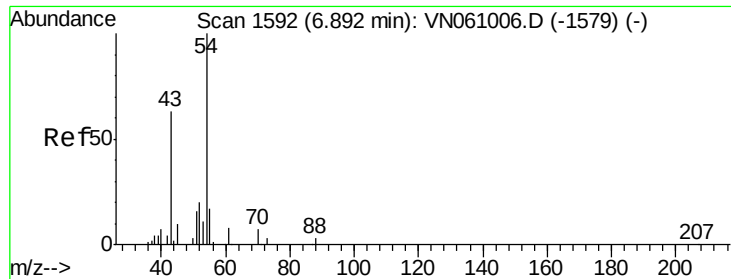
MMDadoda
 4/17/2020 11:53:12 AM



#36
 1,1-Dichloropropene
 Concen: 106.179 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	299708		
110	33.4	16.8	50.3	
77	30.8	24.7	37.1	





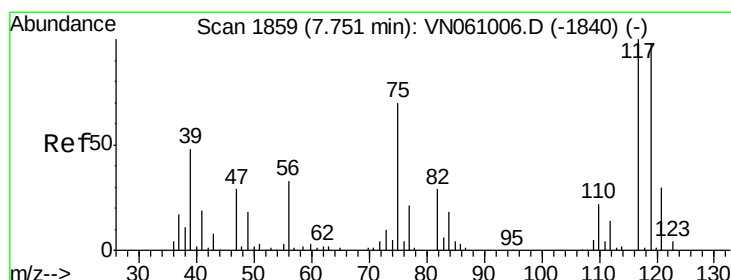
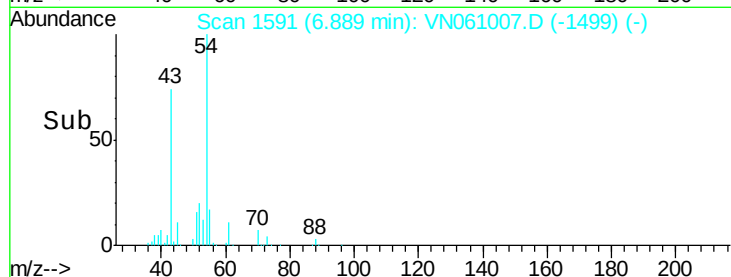
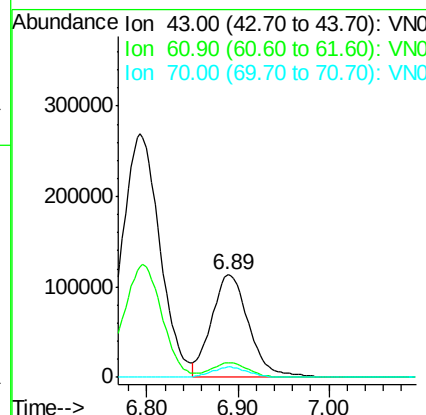
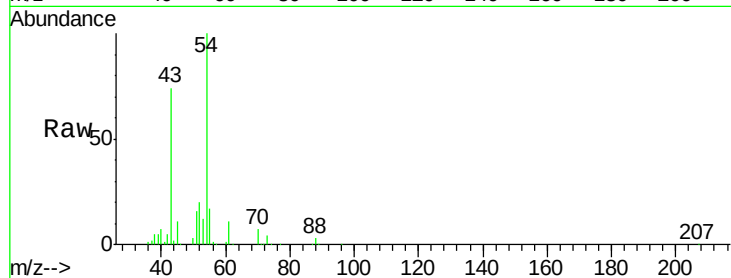
#37
Ethyl Acetate
Concen: 104.659 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.8	7.7	11.5

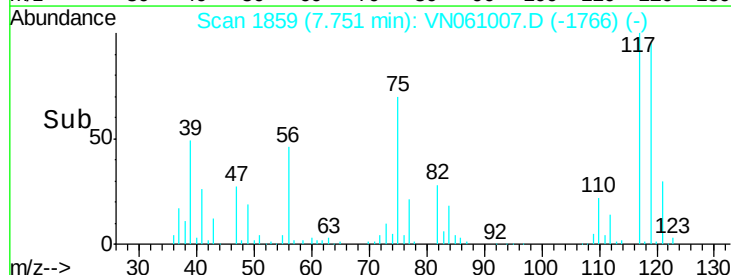
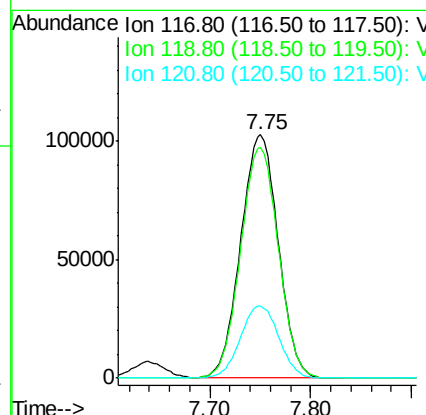
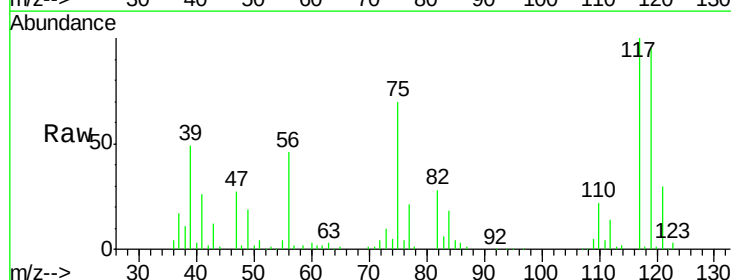
Manual Integrations
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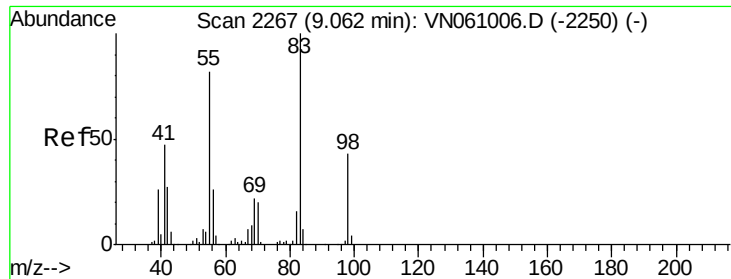
MMDadoda
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#38
Carbon Tetrachloride
Concen: 105.509 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	78.1	117.1
121	29.6	24.0	36.0





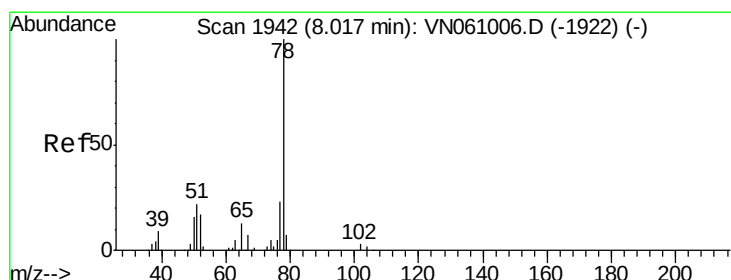
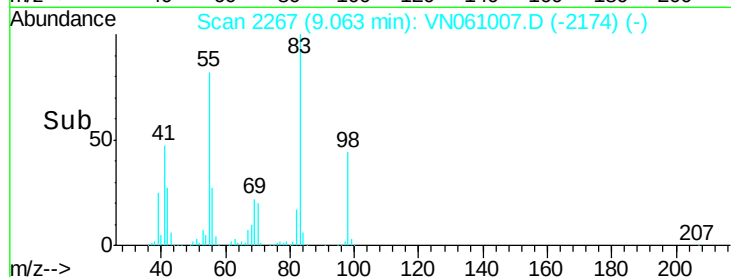
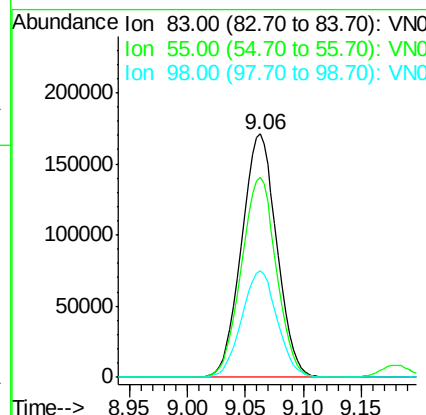
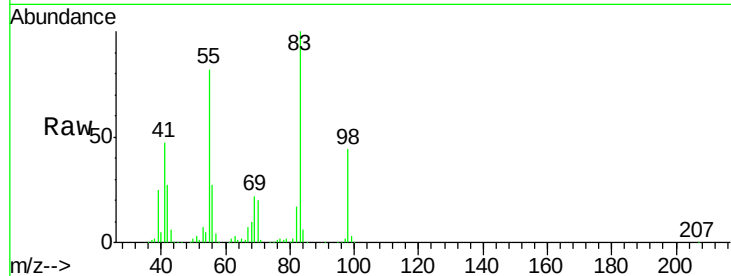
#39
Methylvlcyclohexane
Concen: 107.022 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	360404		
55	82.3		65.4	98.0
98	43.6		34.6	51.8

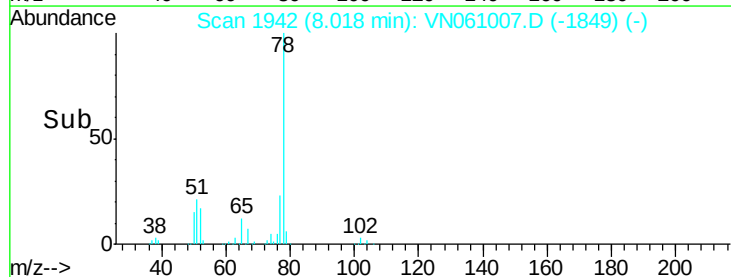
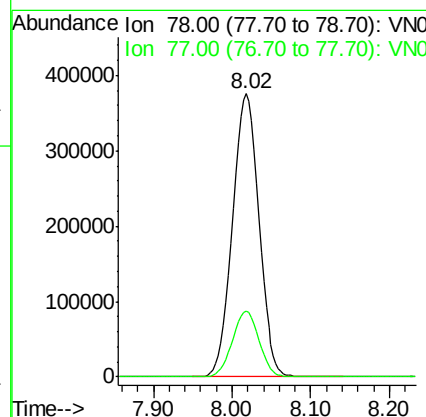
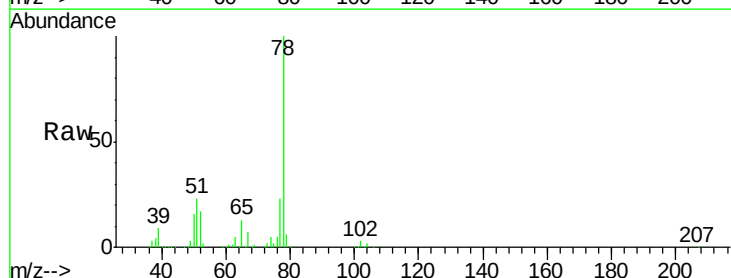
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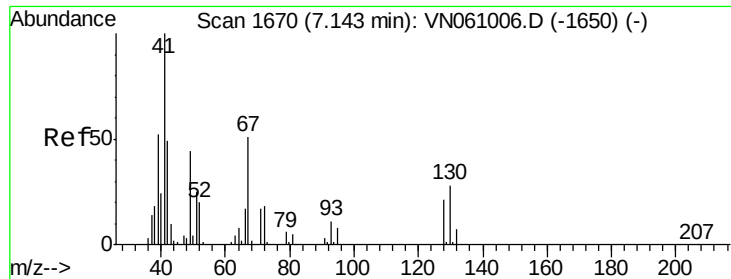
MMDadoda
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#40
Benzene
Concen: 102.920 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	875992		
77	23.3		18.8	28.2





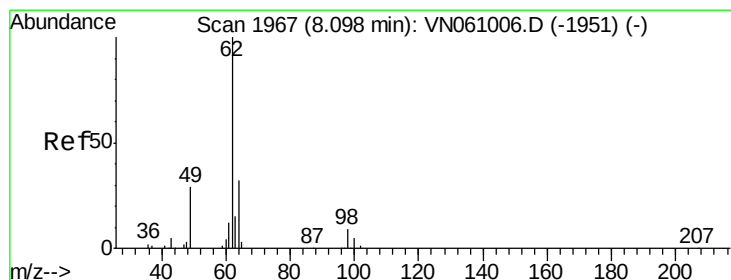
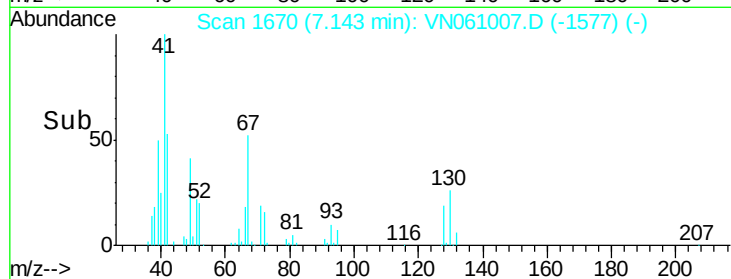
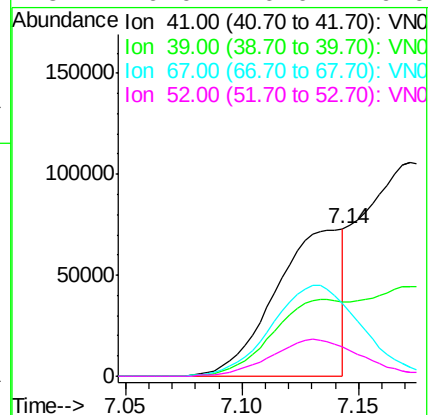
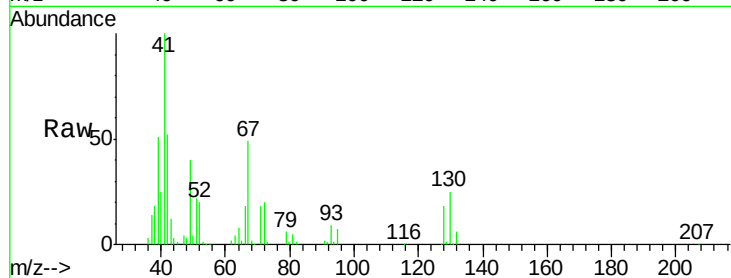
#41
Methacrylonitrile
Concen: 111.849 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	41	Resp	146490
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

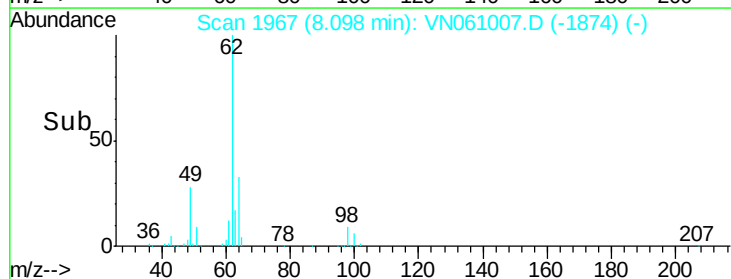
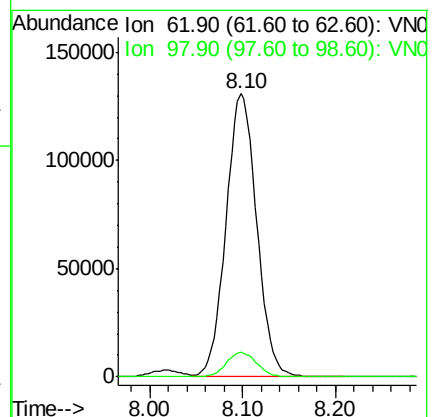
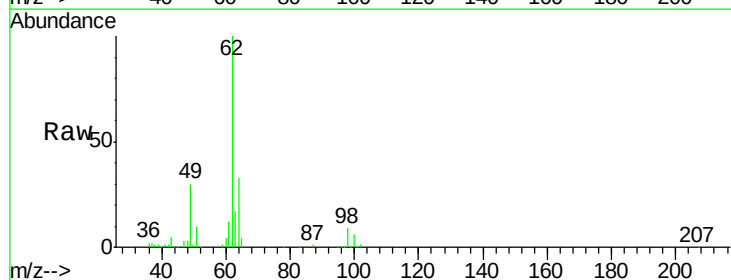
Manual Integrations
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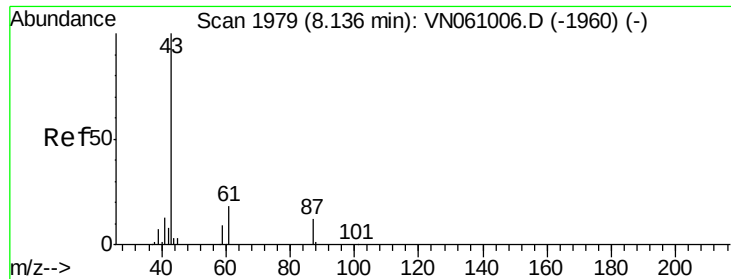
MMDadoda
4/17/2020 11:53:12 AM



#42
1,2-Dichloroethane
Concen: 103.081 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	62	Resp	300170
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 107.308 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

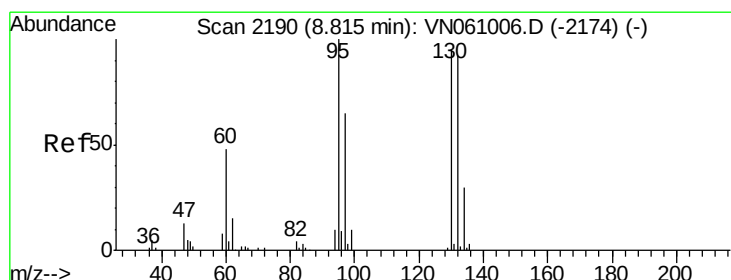
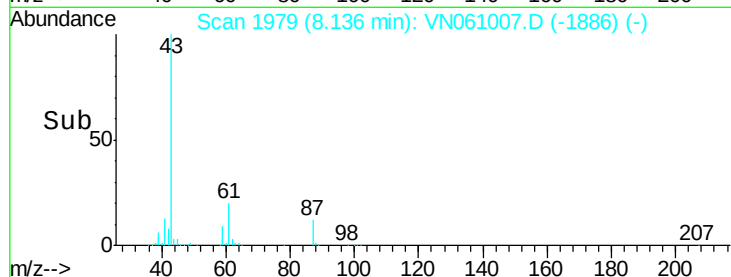
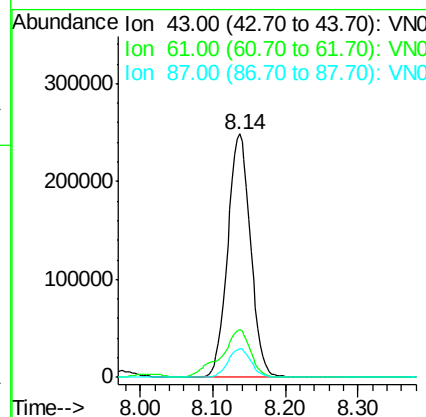
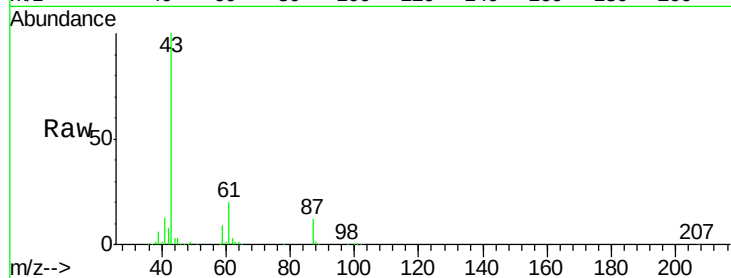
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	540974
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.3	30.5
87	11.9	9.4	14.2

Manual Integrations
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MMDadoda
4/17/2020 11:53:12 AM



#44

Trichloroethene

Concen: 102.087 ug/l

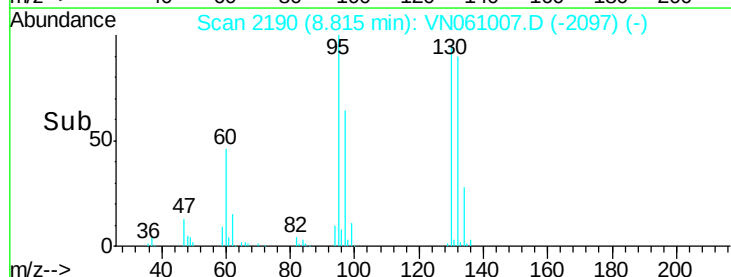
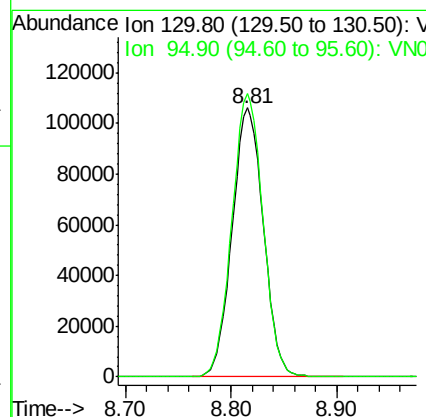
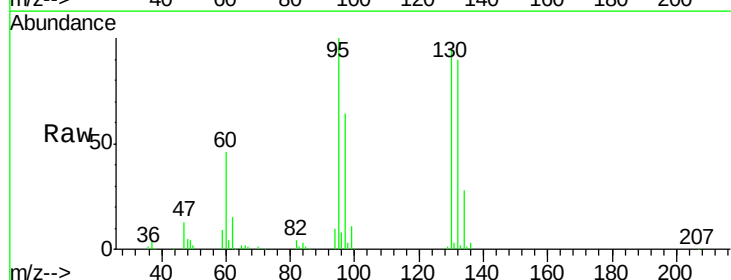
RT: 8.81 min Scan# 2190

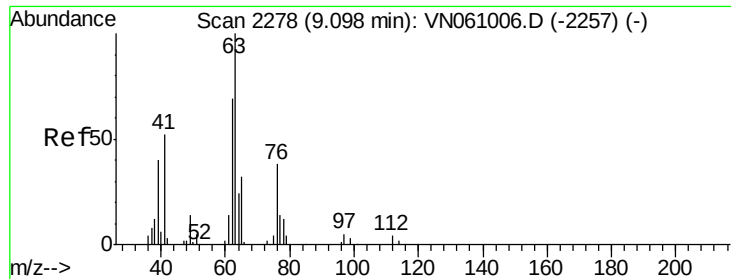
Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	130	Resp:	217997
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	210.0





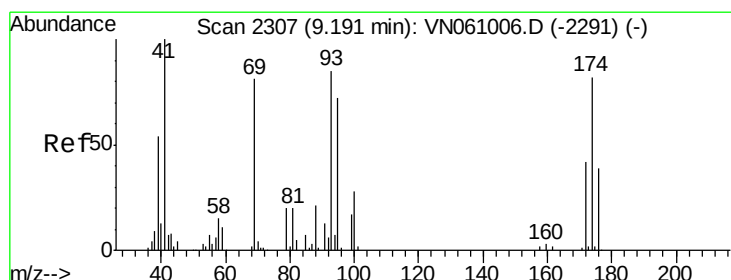
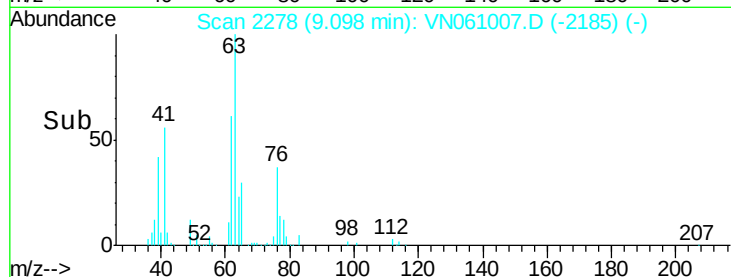
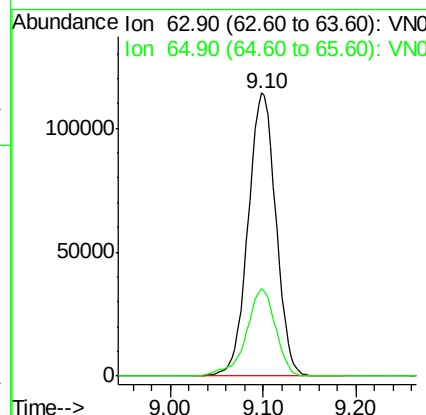
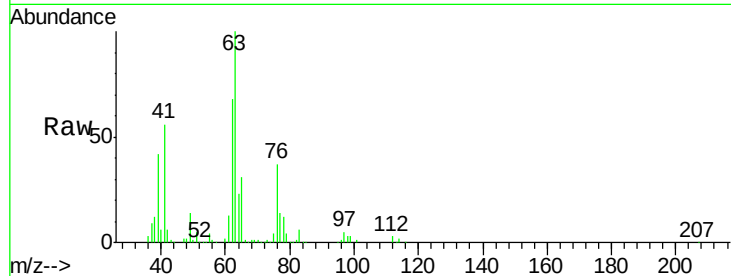
#45
 1,2-Dichloropropane
 Concen: 105.641 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	25.2	37.8

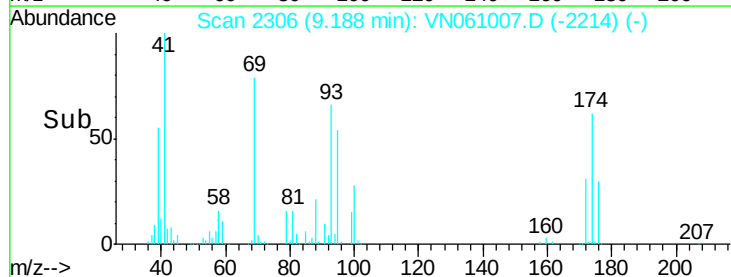
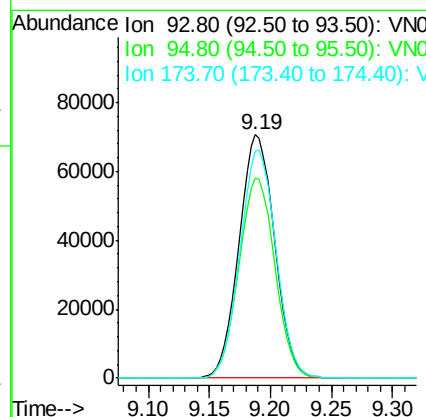
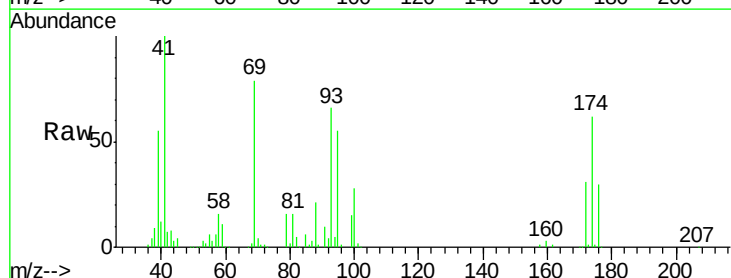
Manual Integrations
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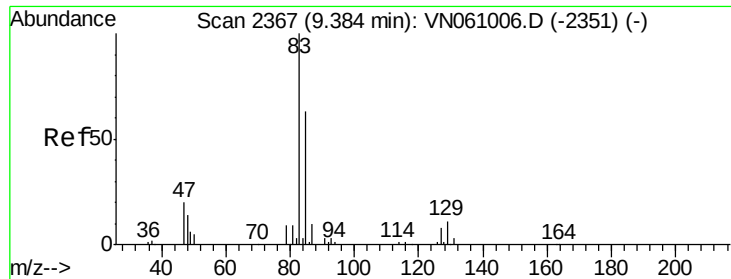
MMDadoda
 4/17/2020 11:53:12 AM



#46
 Dibromomethane
 Concen: 105.782 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.8	100.2
174	94.2	76.2	114.4





#47

Bromodichloromethane

Concen: 105.608 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

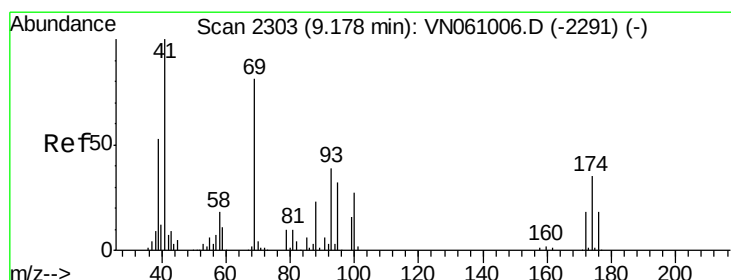
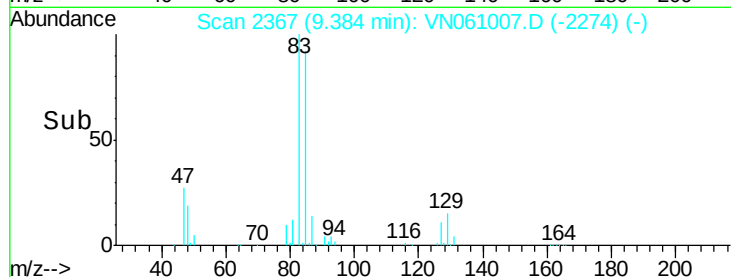
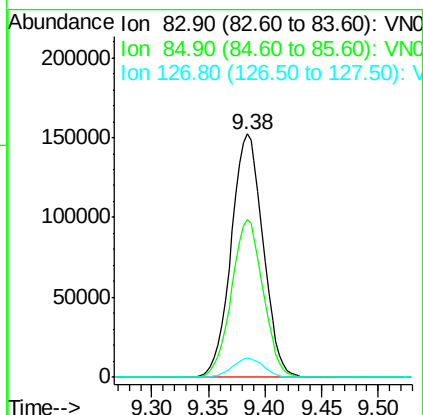
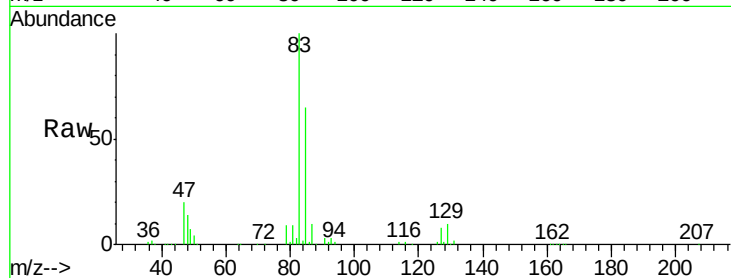
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	298180
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	76.0
127	7.8	6.1	9.1

Manual Integrations
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MMDadoda
4/17/2020 11:53:12 AM



#48

Methyl methacrylate

Concen: 111.094 ug/l

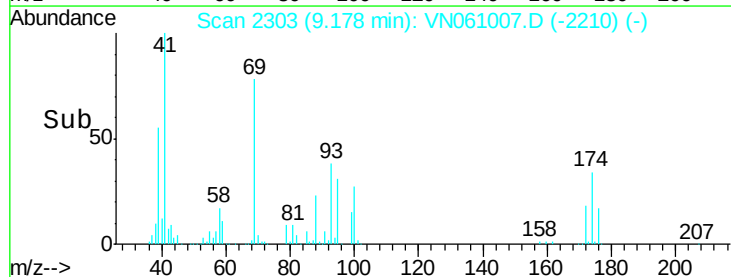
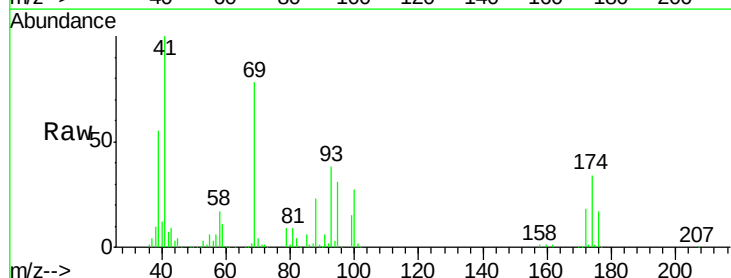
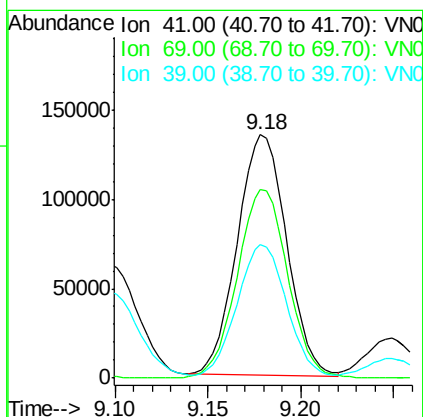
RT: 9.18 min Scan# 2303

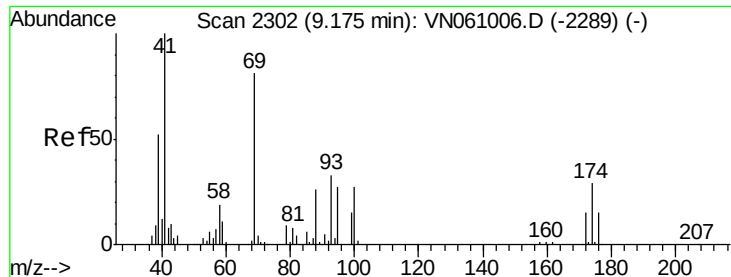
Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	41	Resp:	249915
Ion	Ratio	Lower	Upper
41	100		
69	80.5	65.3	97.9
39	54.0	45.2	67.8





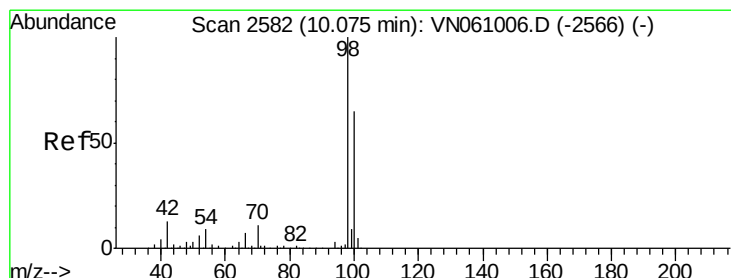
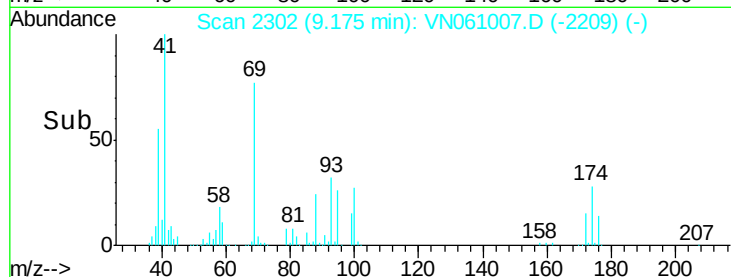
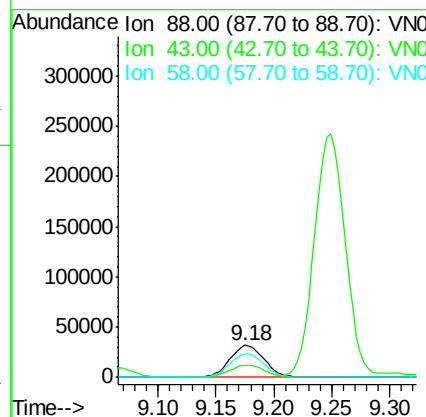
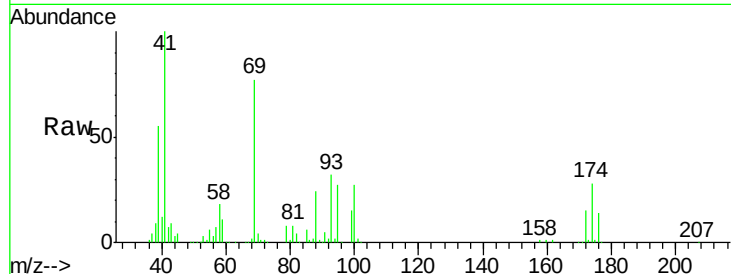
#49
1,4-Dioxane
Concen: 2411.025 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.2	30.9	46.3
58	75.1	59.8	89.8

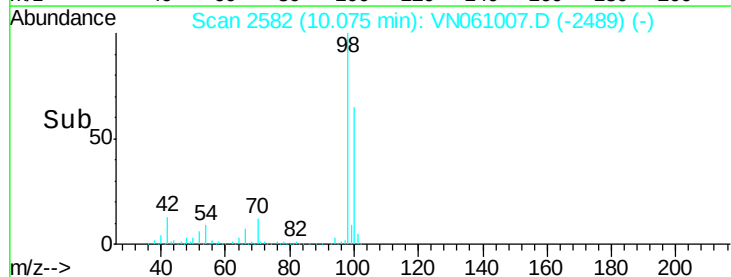
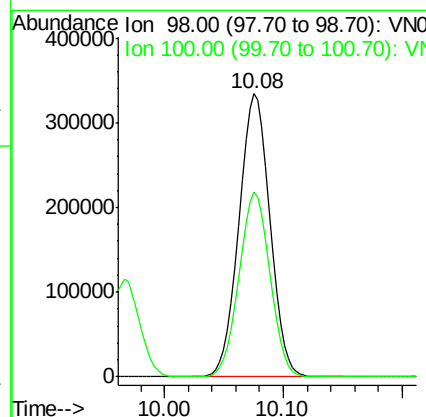
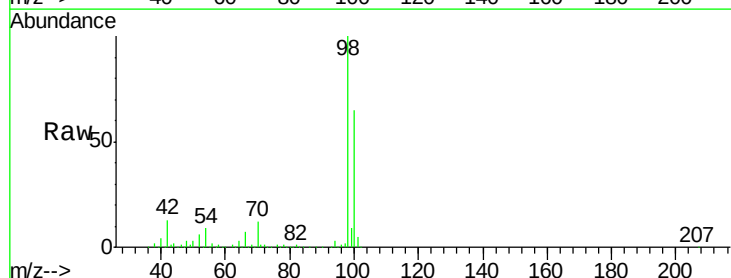
Manual Integrations
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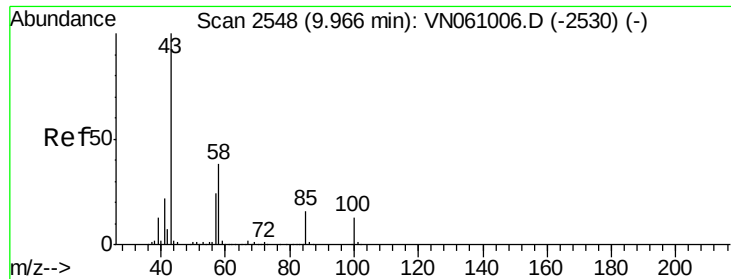
MMDadoda
4/17/2020 11:53:12 AM



#50
Toluene-d8
Concen: 87.562 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





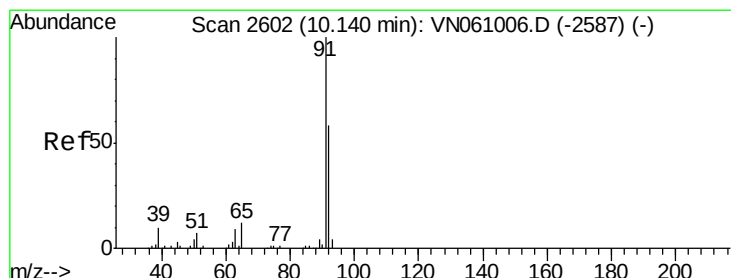
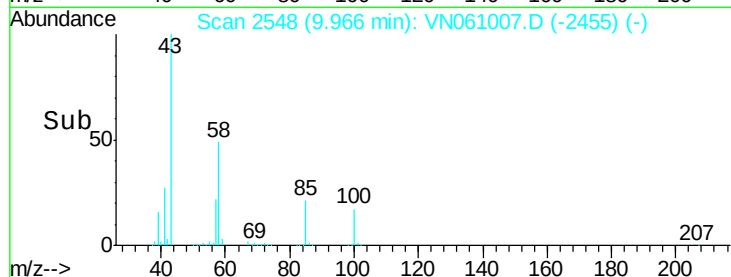
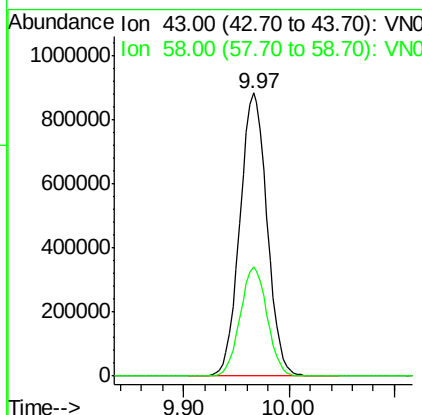
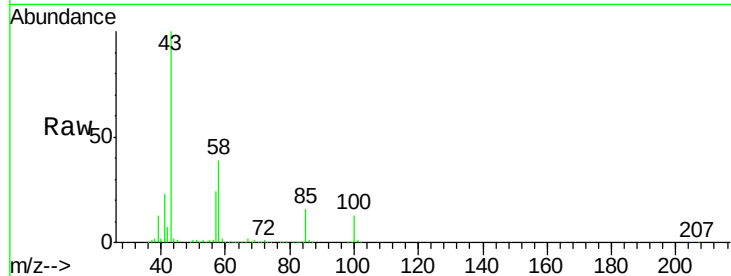
#51
 4-Methyl-2-Pentanone
 Concen: 549.261 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1578491
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.3 45.5

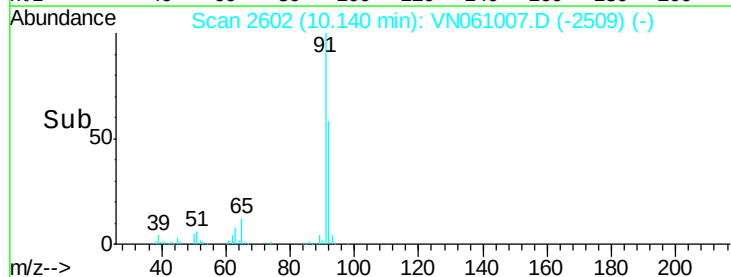
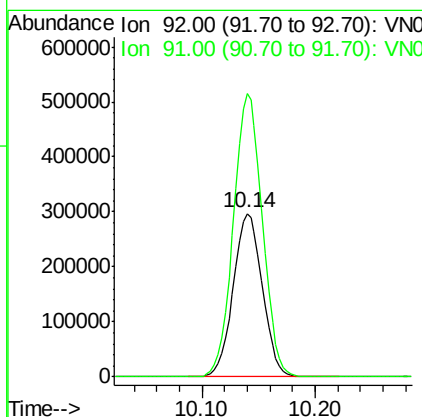
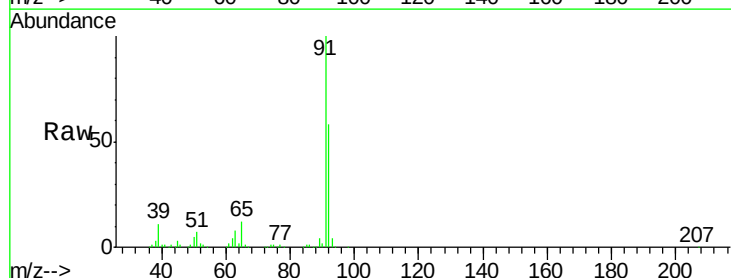
Manual Integrations
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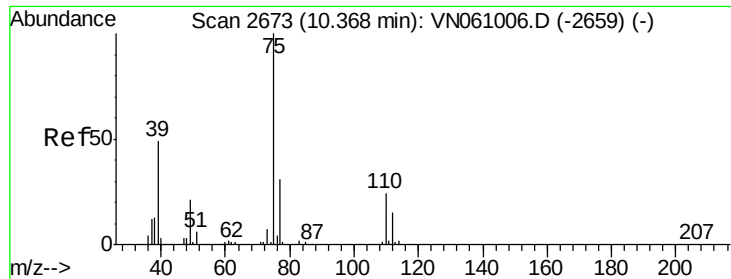
MMDadoda
 4/17/2020 11:53:12 AM



#52
 Toluene
 Concen: 103.272 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion: 92 Resp: 530310
 Ion Ratio Lower Upper
 92 100
 91 172.4 137.7 206.5





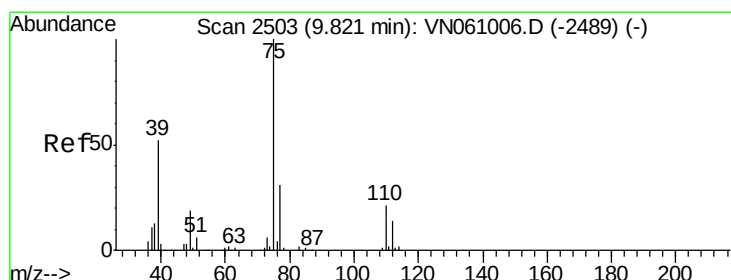
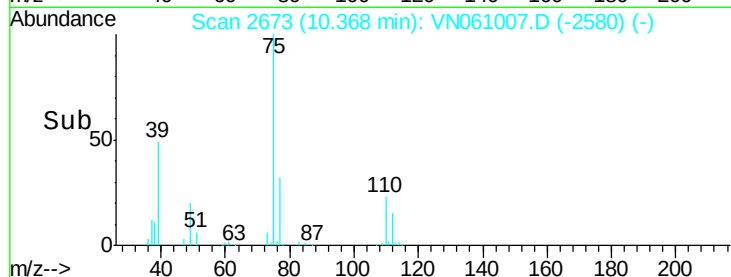
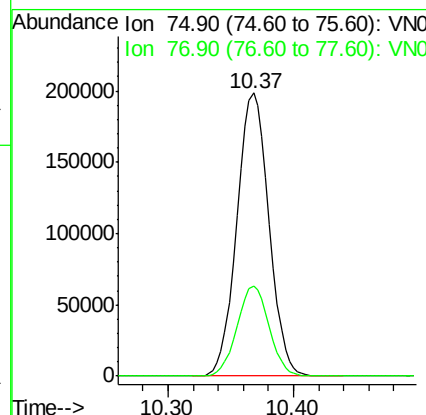
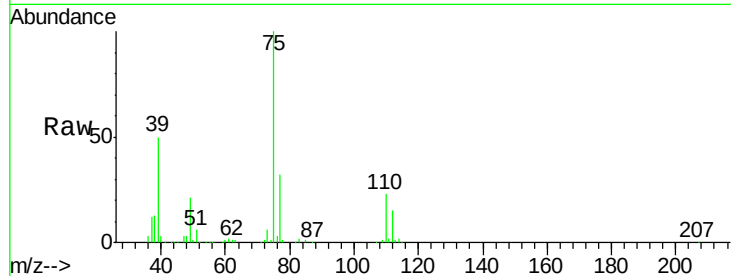
#53
t-1,3-Dichloropropene
Concen: 108.672 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6

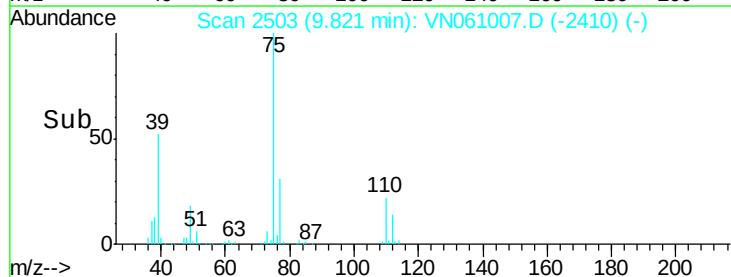
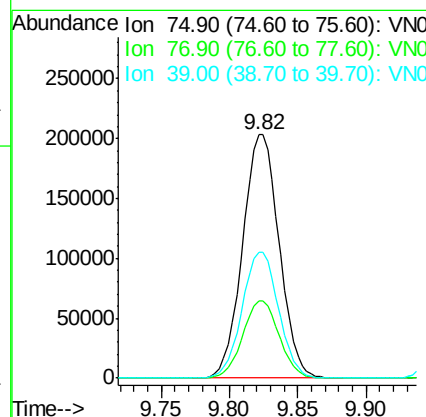
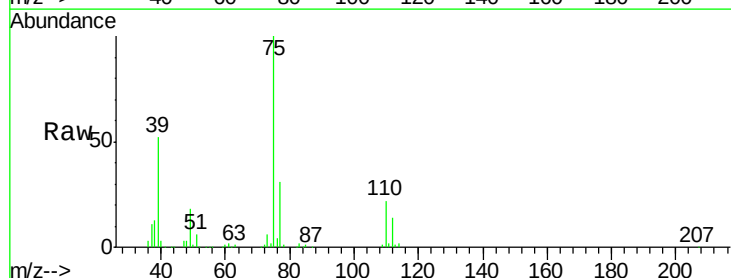
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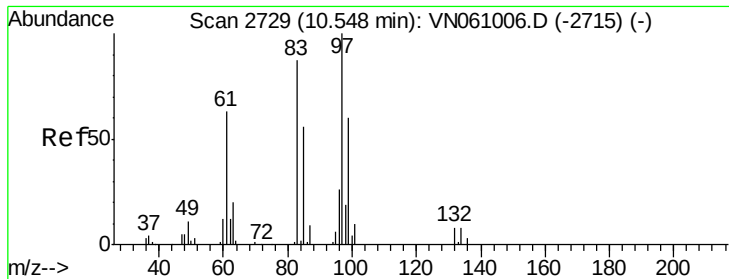
MMDadoda
4/17/2020 11:53:12 AM



#54
cis-1,3-Dichloropropene
Concen: 105.797 ug/l
RT: 9.82 min Scan# 2503
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.0	37.6
39	51.8	41.4	62.2





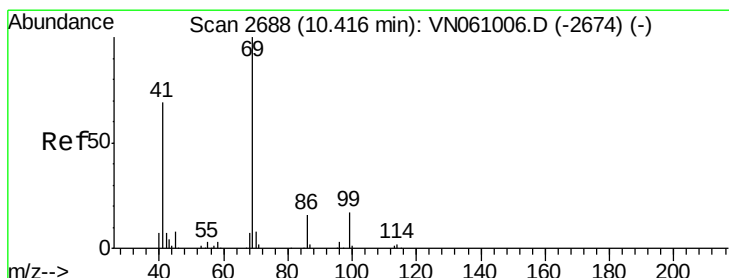
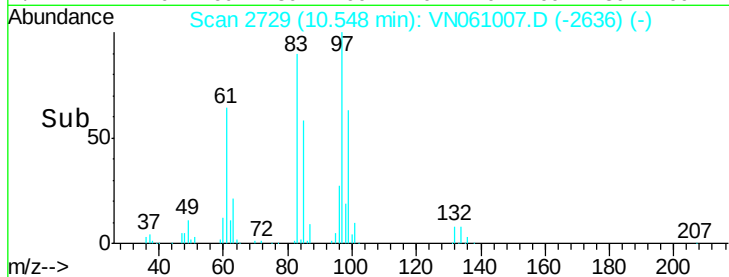
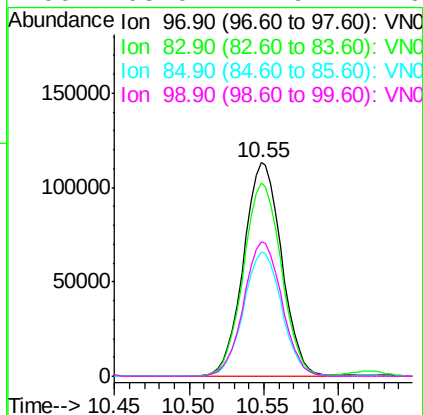
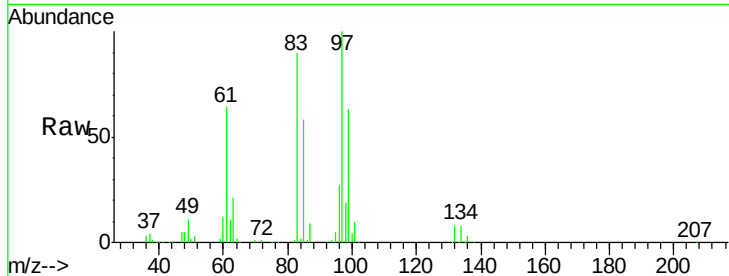
#55
 1,1,2-Trichloroethane
 Concen: 101.678 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	200848
Ion	Ratio	Lower	Upper
97	100		
83	90.4	69.5	104.3
85	58.2	45.0	67.4
99	63.0	47.9	71.9

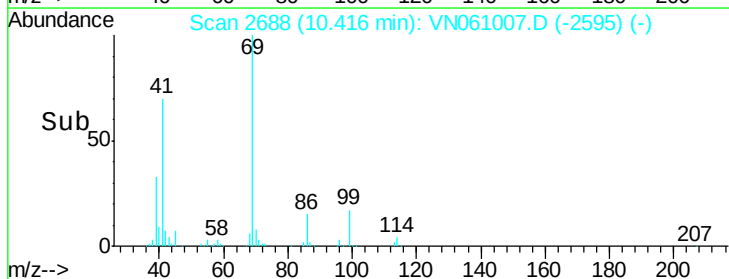
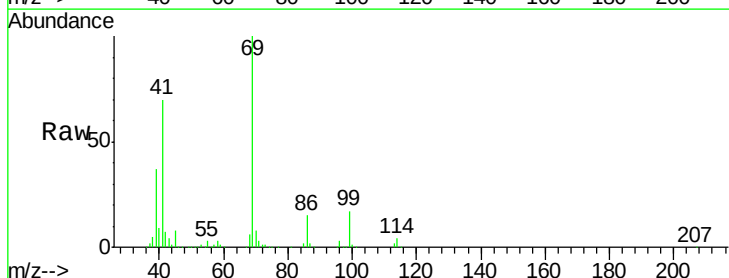
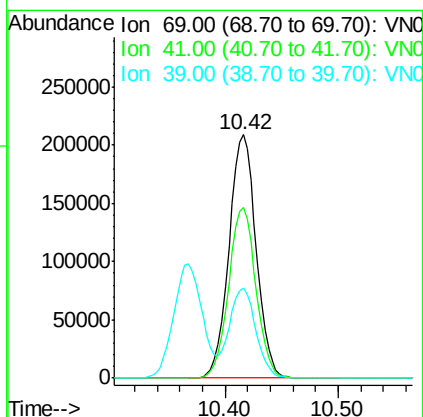
Manual Integrations
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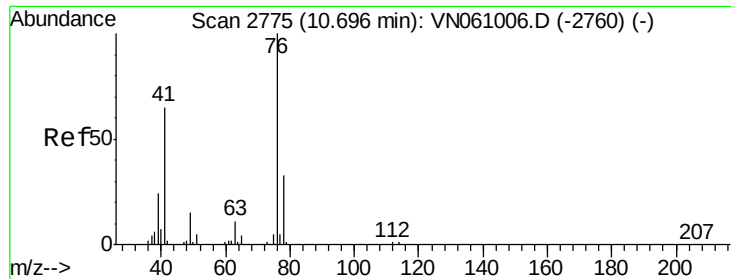
MMDadoda
 4/17/2020 11:53:12 AM



#56
 Ethyl methacrylate
 Concen: 112.684 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion:	69	Resp:	347454
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.7	85.1
39	36.2	29.4	44.0





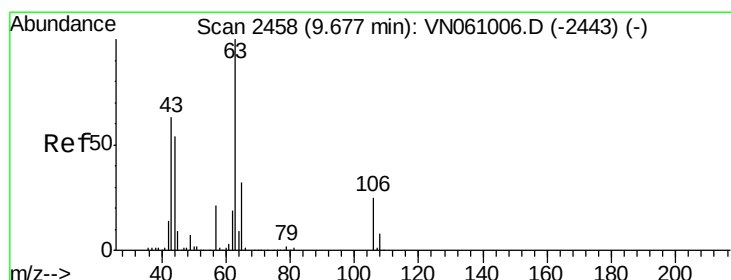
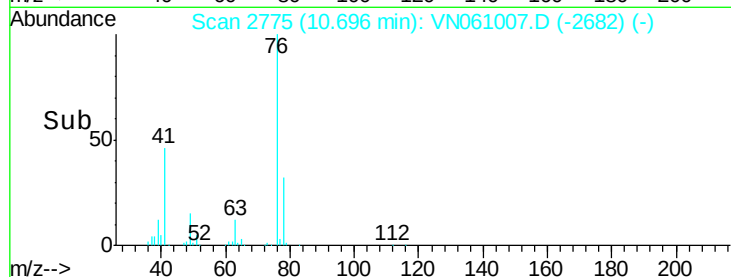
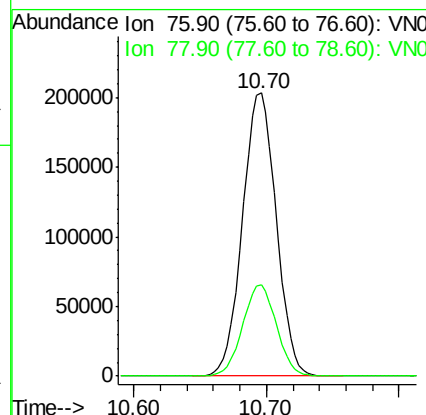
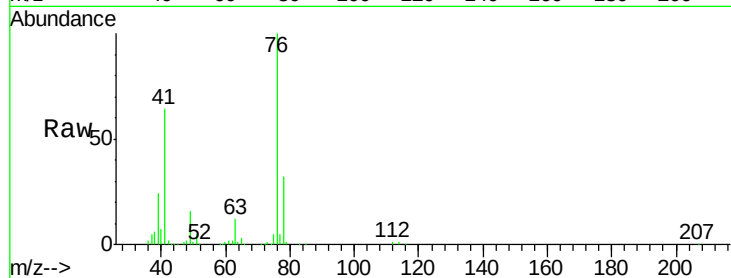
#57
 1,3-Dichloropropane
 Concen: 104.801 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 359946
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0

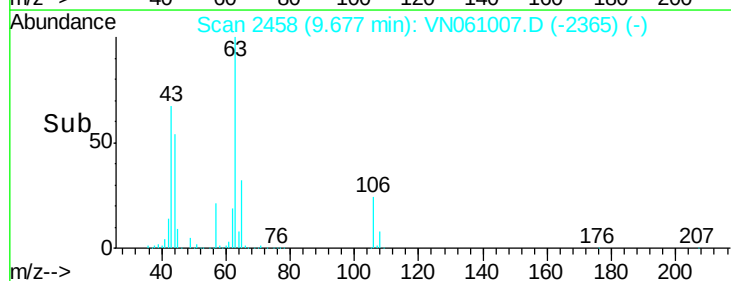
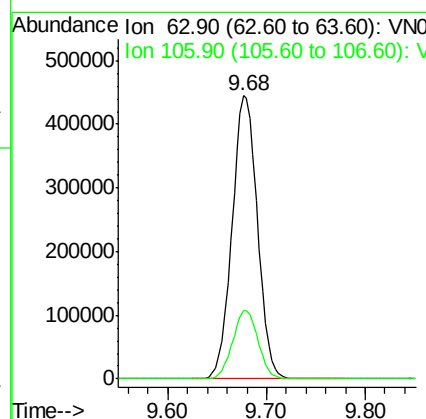
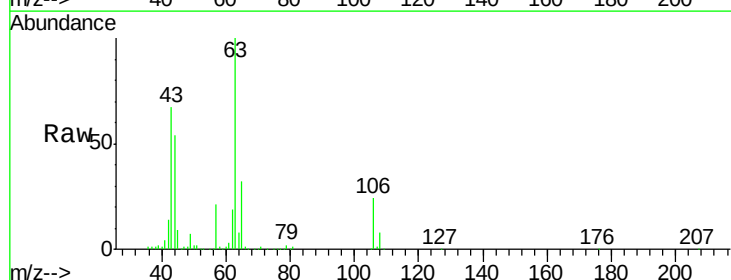
Manual Integrations
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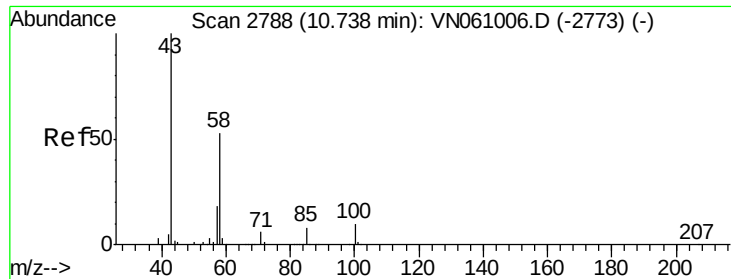
MMDadoda
 4/17/2020 11:53:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 542.480 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion: 63 Resp: 798007
 Ion Ratio Lower Upper
 63 100
 106 24.3 19.5 29.3





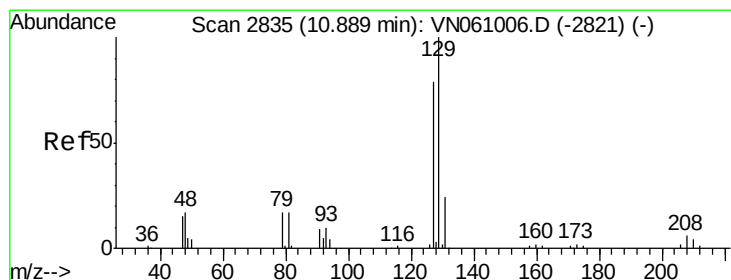
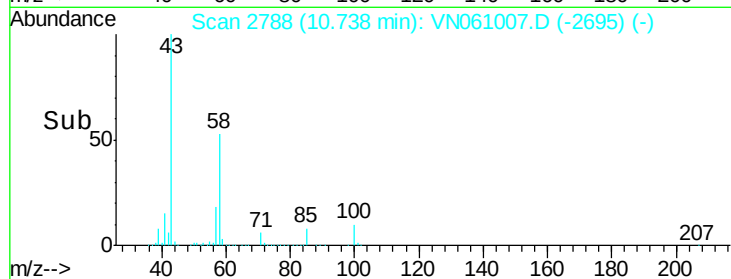
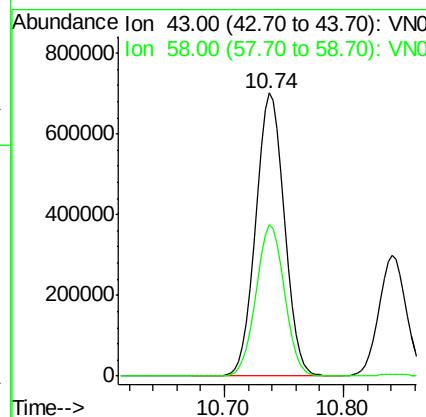
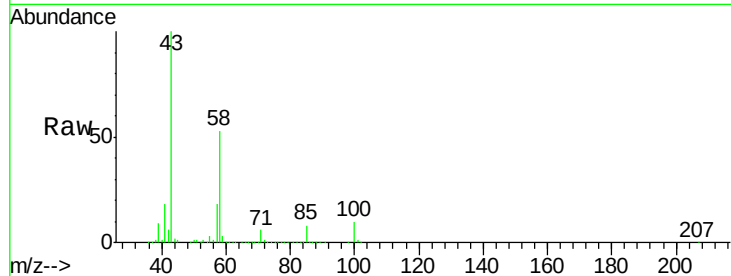
#59
2-Hexanone
Concen: 564.503 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1168215
Ion Ratio Lower Upper
43 100
58 53.3 26.4 79.0

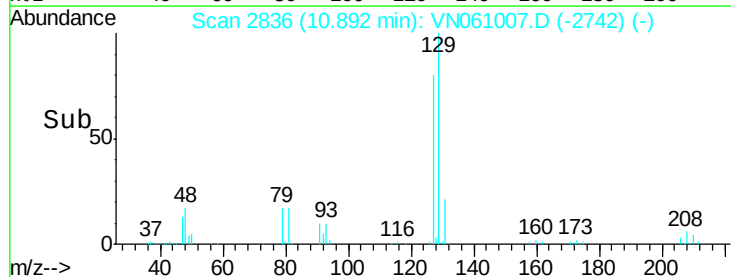
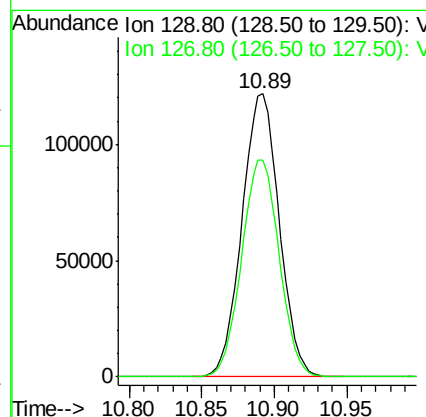
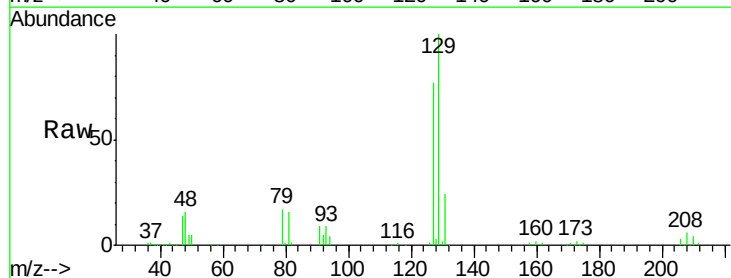
Manual Integrations
APPROVED

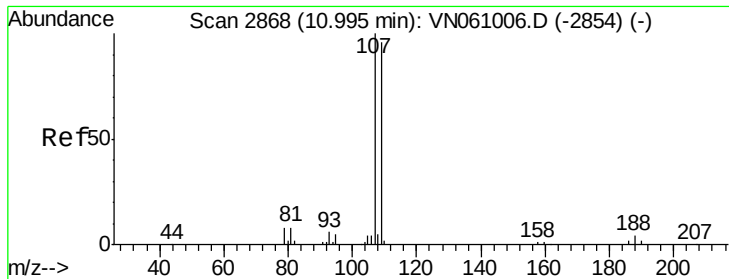
MMDadoda
4/17/2020 11:53:12 AM



#60
Dibromochloromethane
Concen: 107.047 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion: 129 Resp: 217697
Ion Ratio Lower Upper
129 100
127 77.3 39.0 116.9





#61

1,2-Dibromoethane

Concen: 107.127 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 212086

Ion Ratio Lower Upper

107 100

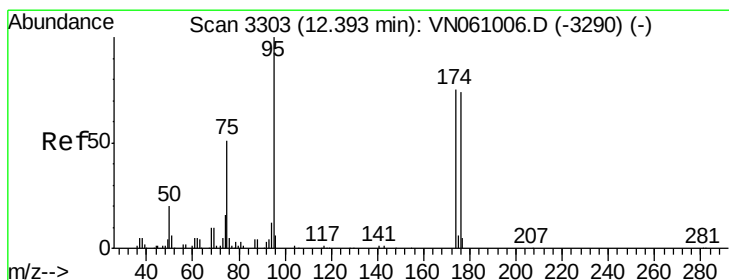
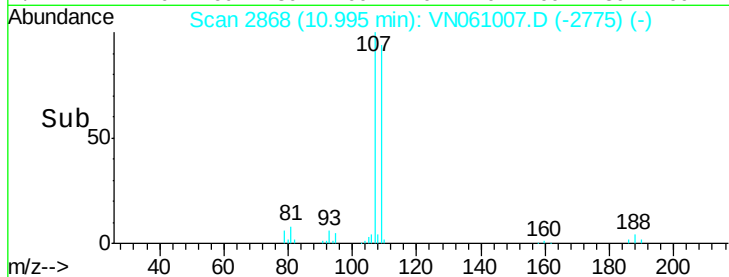
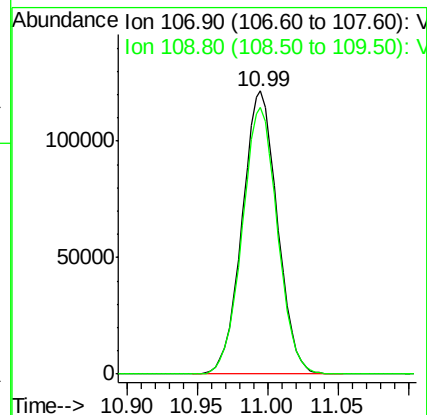
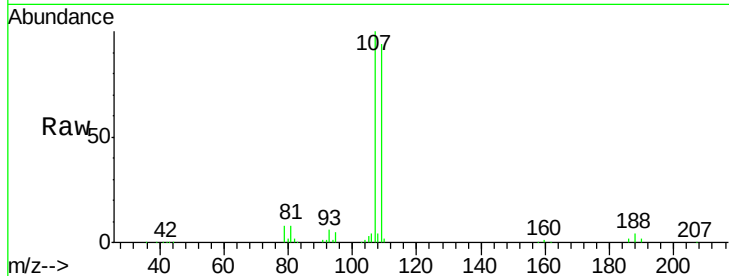
109 94.4 75.9 113.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 95.070 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

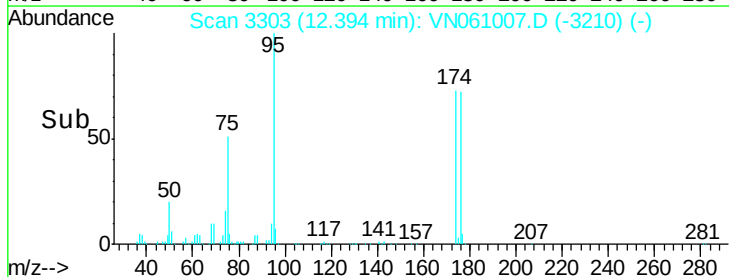
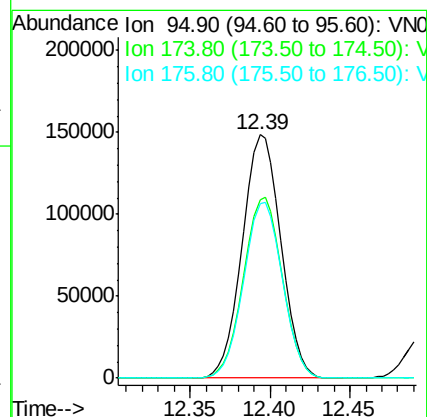
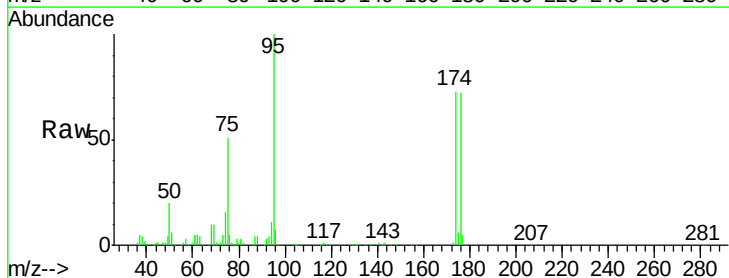
Tgt Ion: 95 Resp: 243959

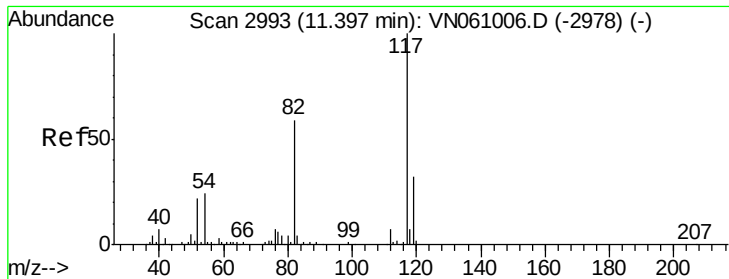
Ion Ratio Lower Upper

95 100

174 74.9 0.0 151.2

176 72.6 0.0 148.2





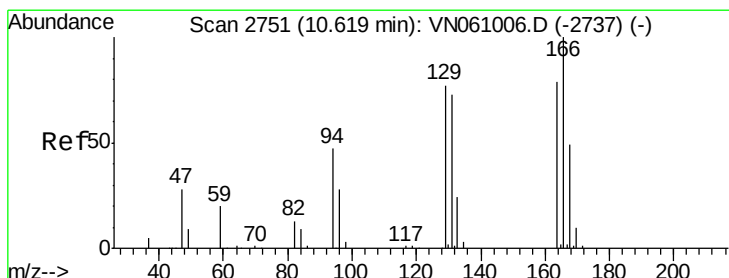
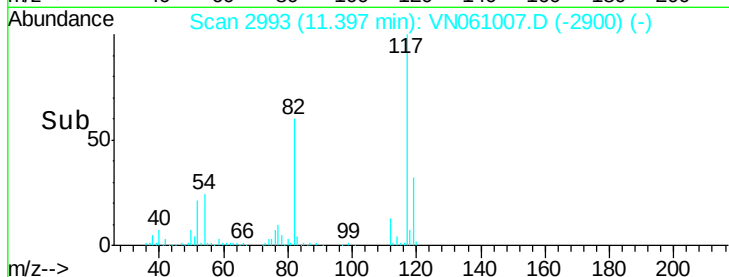
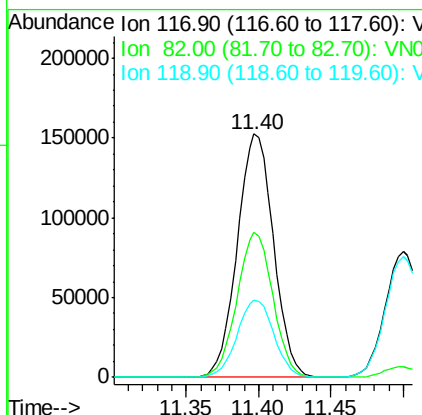
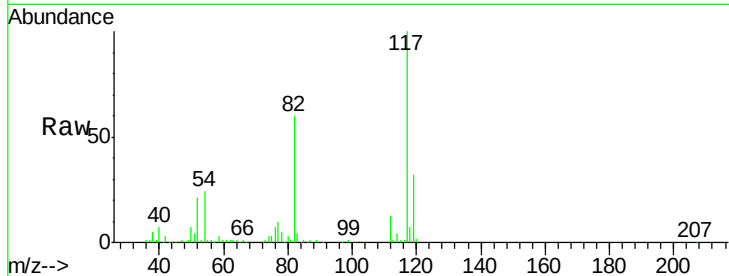
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.1	70.7
119	32.0	25.7	38.5

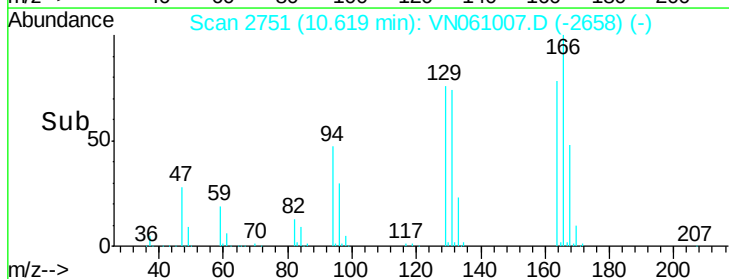
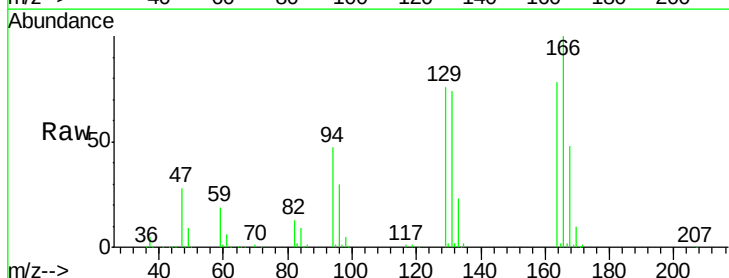
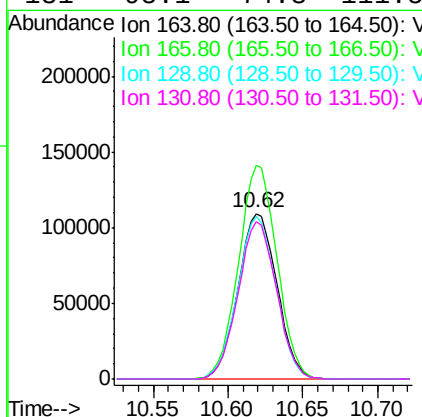
Manual Integrations
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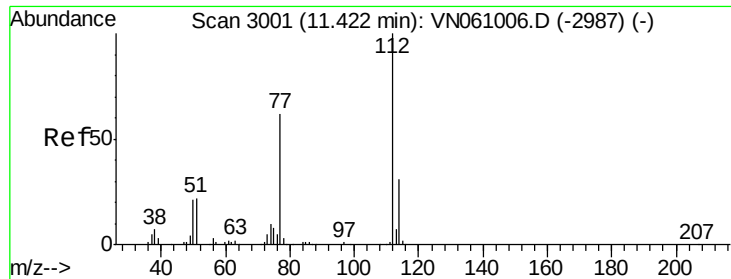
MMDadoda
4/17/2020 11:53:12 AM



#64
Tetrachloroethene
Concen: 95.572 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.6	152.4
129	97.7	78.5	117.7
131	95.1	74.3	111.5





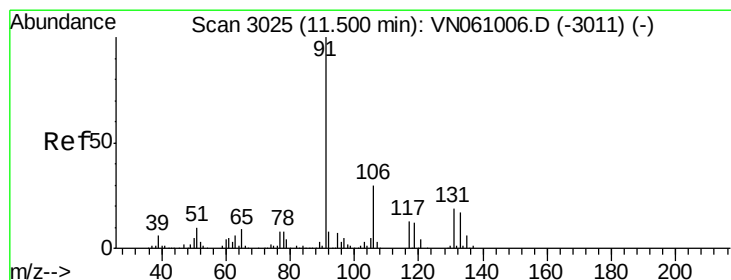
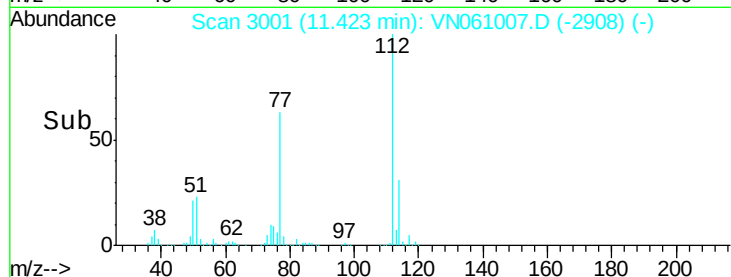
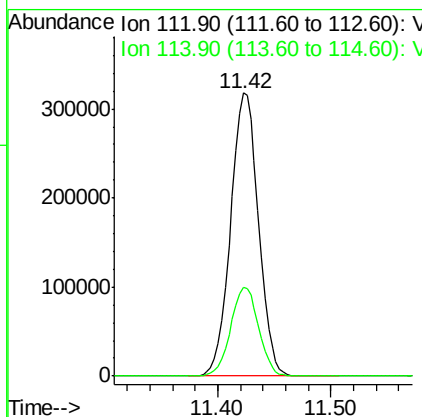
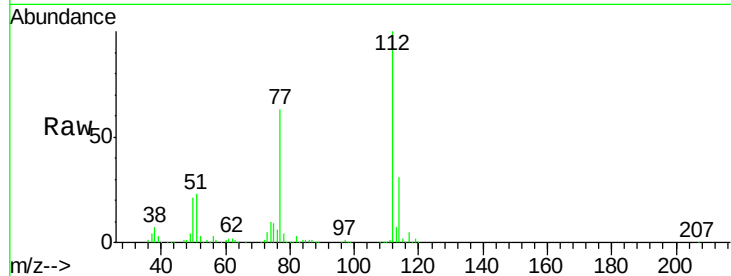
#65
Chlorobenzene
Concen: 103.154 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 544217
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7

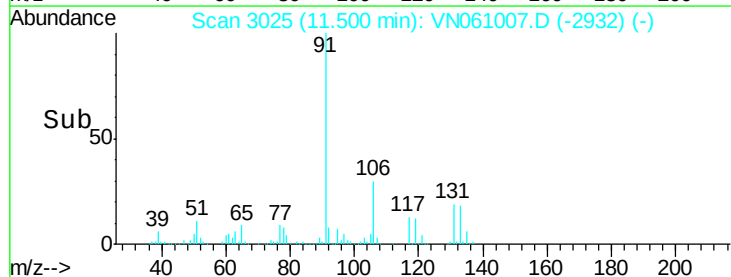
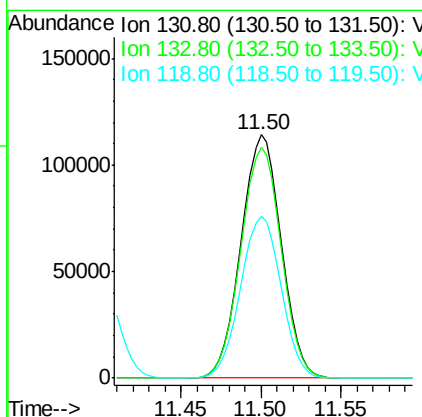
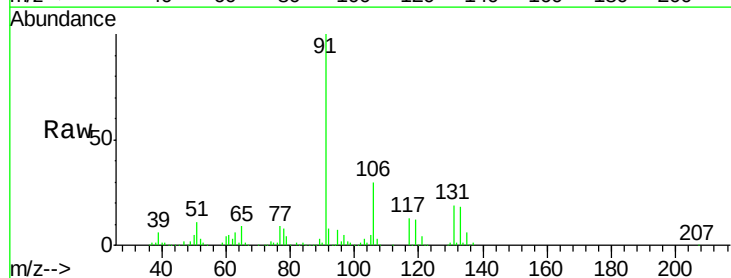
Manual Integrations
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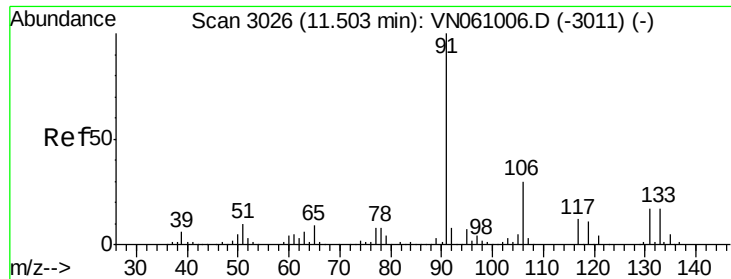
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 102.684 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion:131 Resp: 195851
Ion Ratio Lower Upper
131 100
133 95.4 47.9 143.8
119 67.1 33.3 99.8





#67

Ethyl Benzene

Concen: 104.643 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1026749

Ion Ratio Lower Upper

91 100

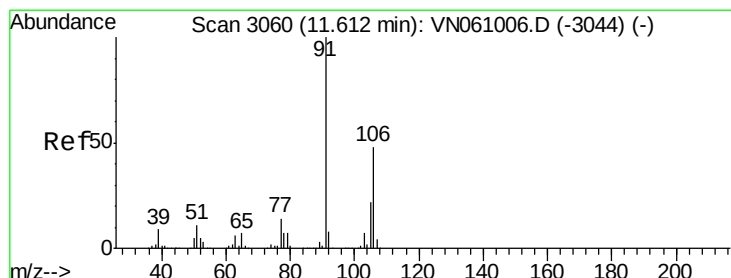
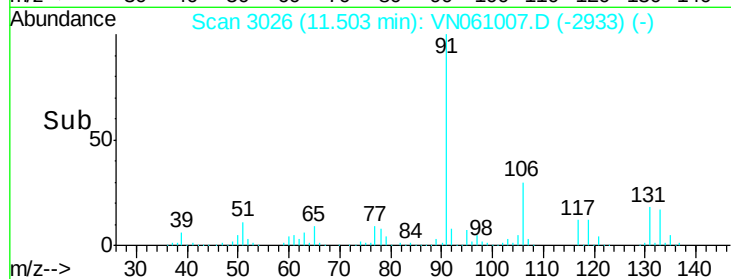
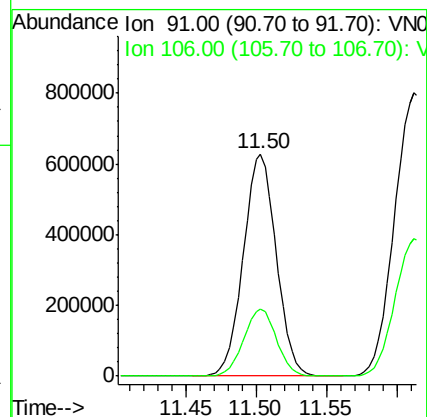
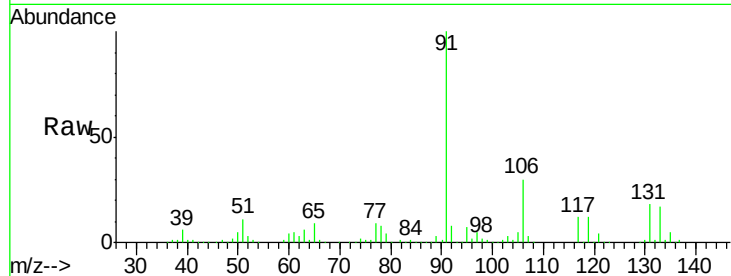
106 30.4 23.8 35.8

Manual Integrations

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#68

m/p-Xylenes

Concen: 208.133 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. 0.00 min

Lab File: VN061007.D

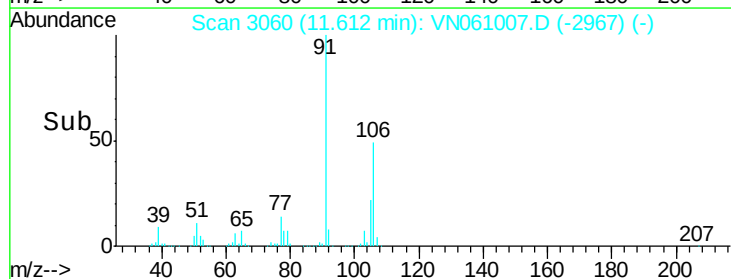
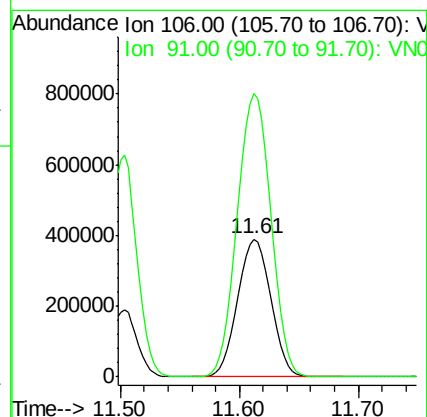
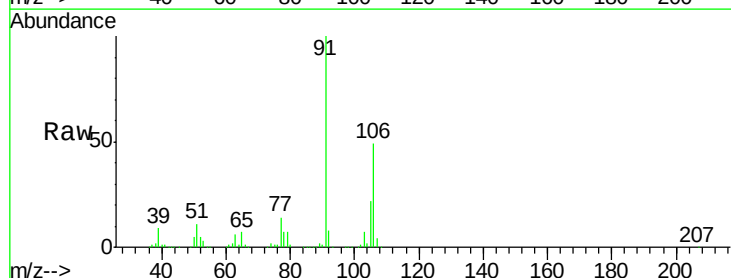
Acq: 16 Apr 2020 12:41

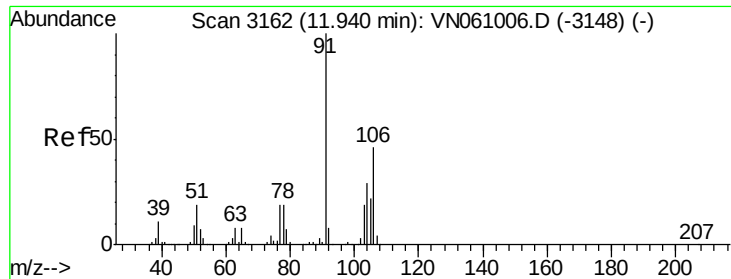
Tgt Ion: 106 Resp: 755842

Ion Ratio Lower Upper

106 100

91 208.2 167.9 251.9





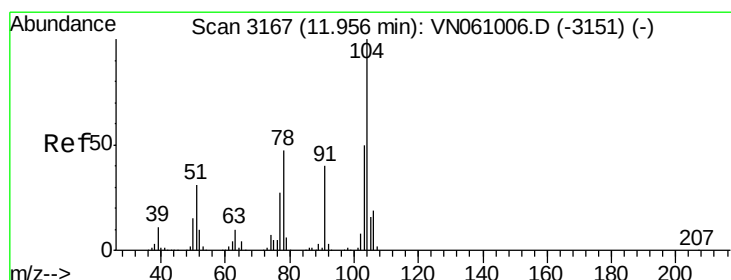
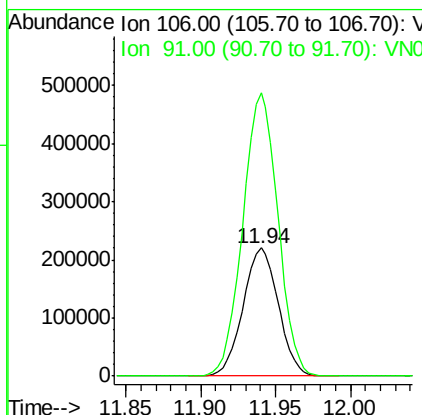
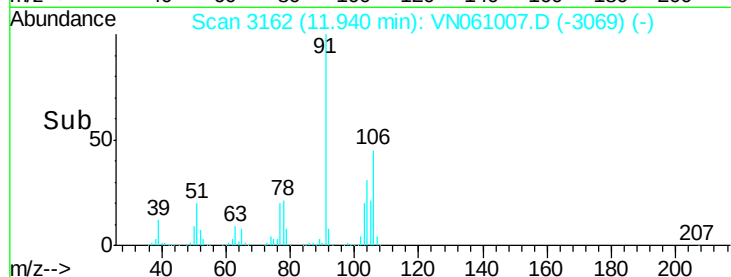
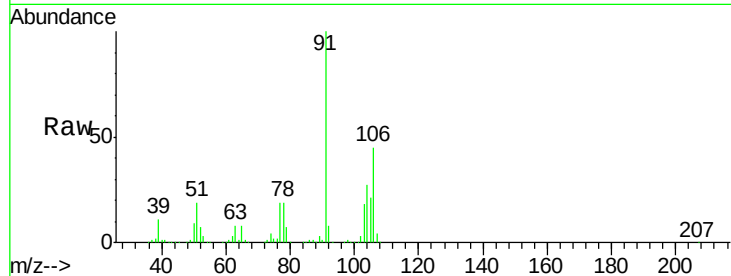
#69
o-Xylene
Concen: 104.276 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	361415		
91	91	220.1	110.7	332.1	

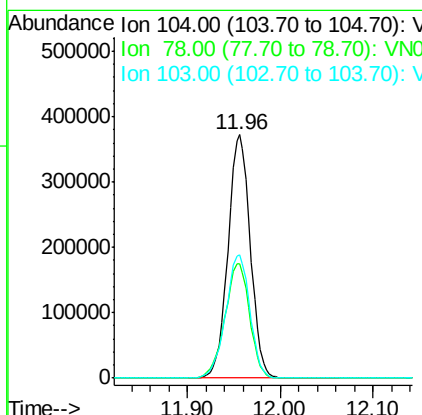
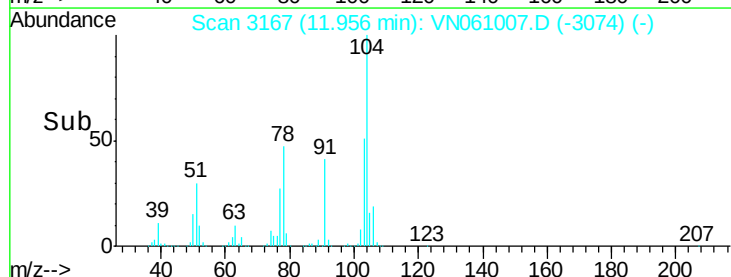
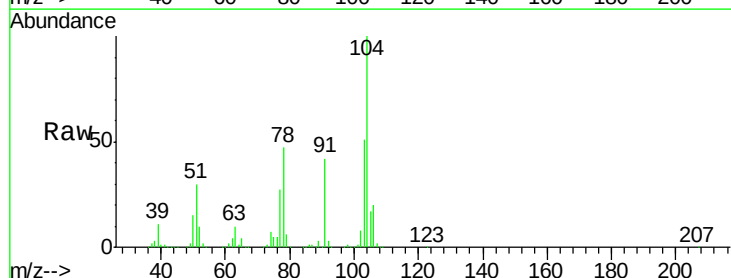
Manual Integrations
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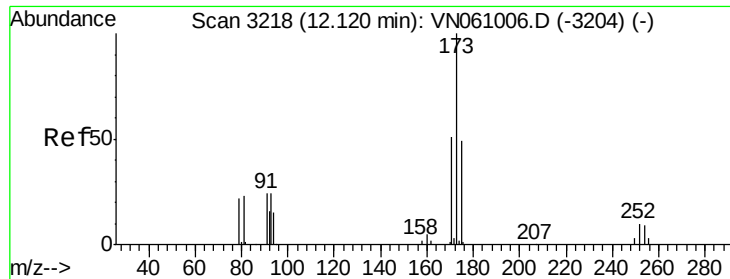
MMDadoda
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#70
Styrene
Concen: 109.042 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	618770		
78	78	52.1	42.2	63.4	
103	103	54.9	44.4	66.6	





#71

Bromoform

Concen: 111.673 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 158743

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

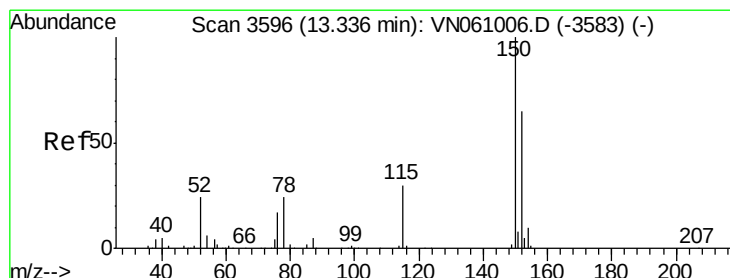
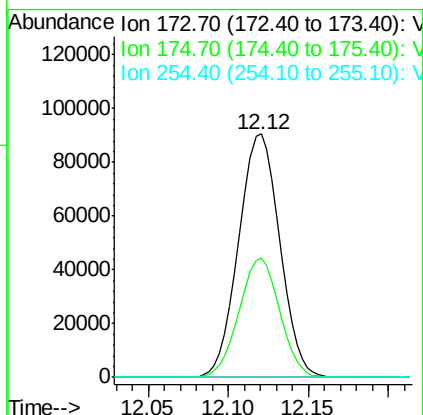
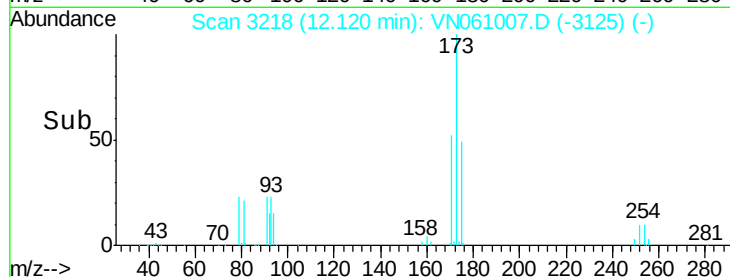
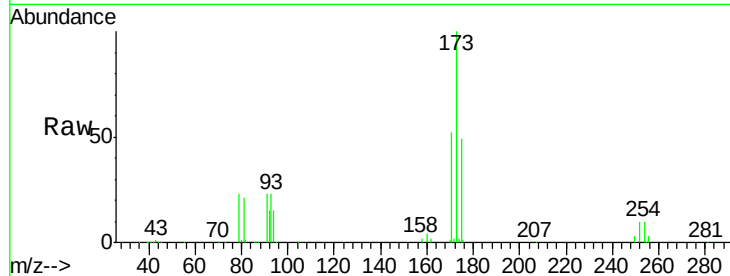
254 0.1 0.0 0.0#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

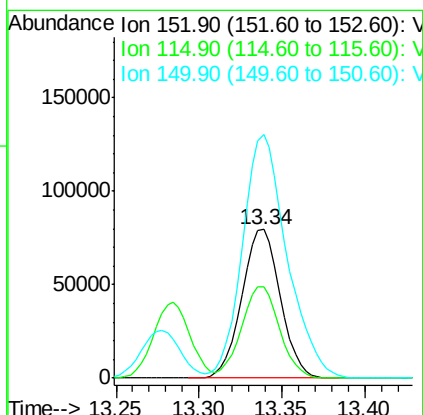
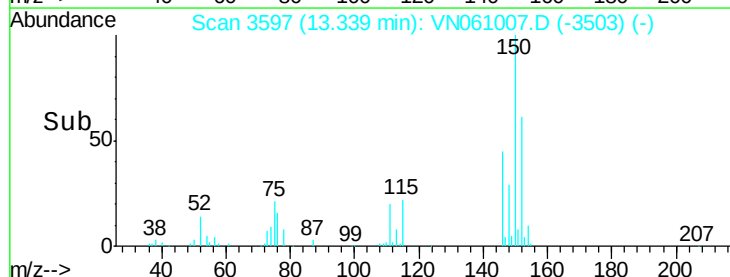
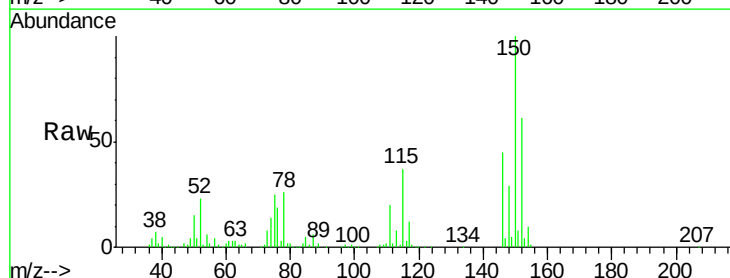
Tgt Ion:152 Resp: 128208

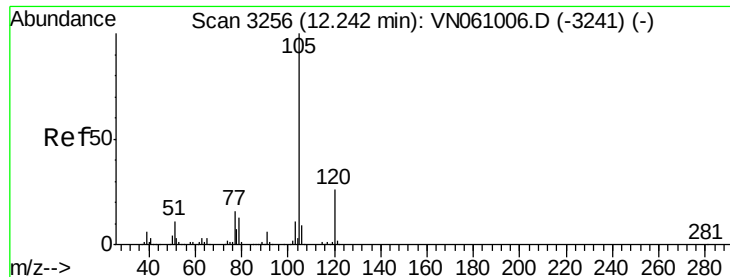
Ion Ratio Lower Upper

152 100

115 60.8 30.8 92.4

150 189.2 0.0 349.0





#73

Isopropylbenzene

Concen: 100.072 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 968381

Ion Ratio Lower Upper

105 100

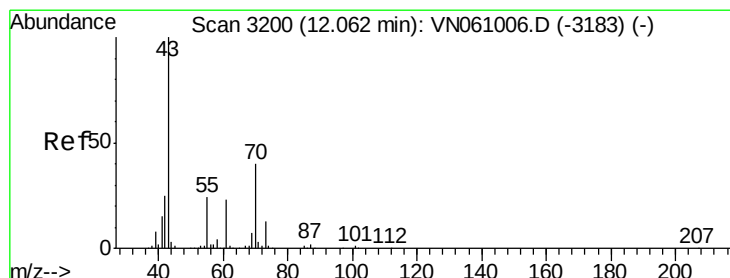
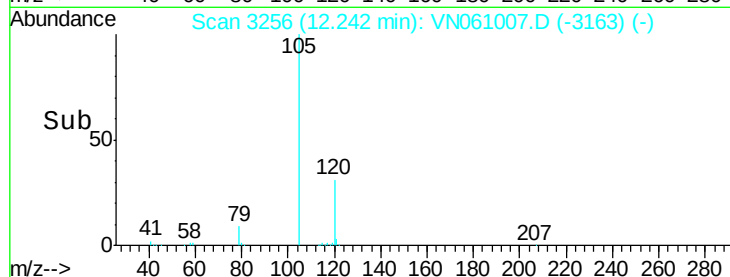
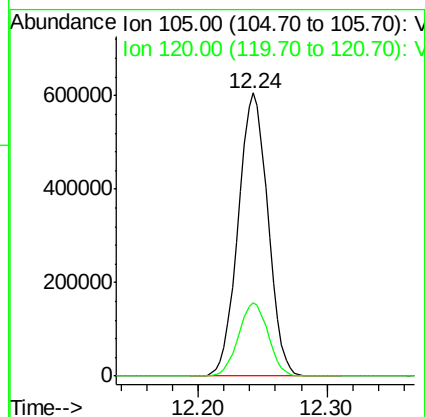
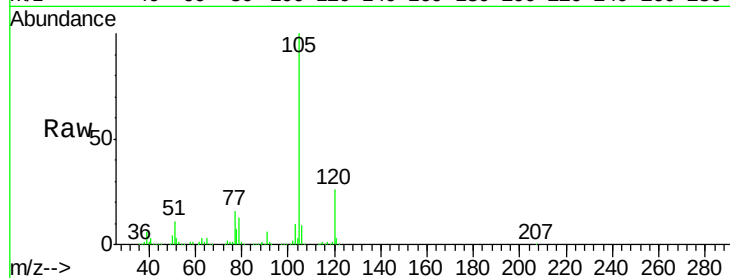
120 25.8 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 106.399 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion: 43 Resp: 477738

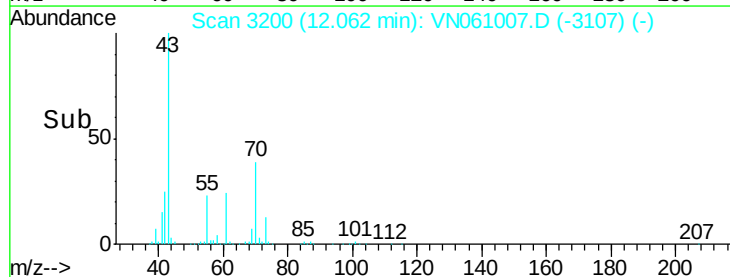
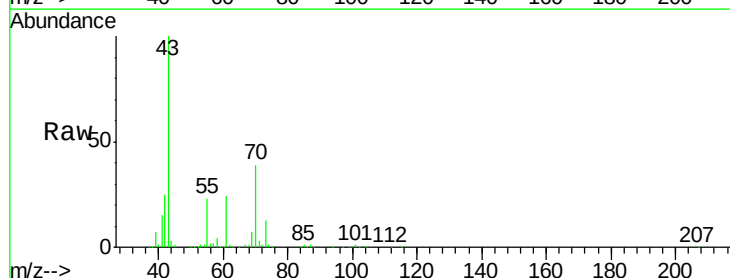
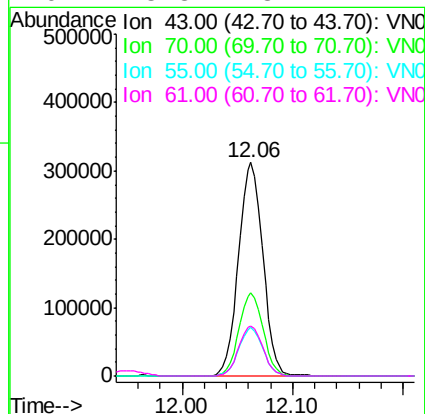
Ion Ratio Lower Upper

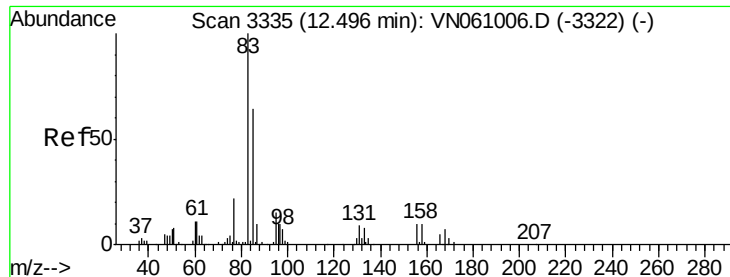
43 100

70 38.7 31.0 46.6

55 22.7 18.6 27.8

61 23.3 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 103.765 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

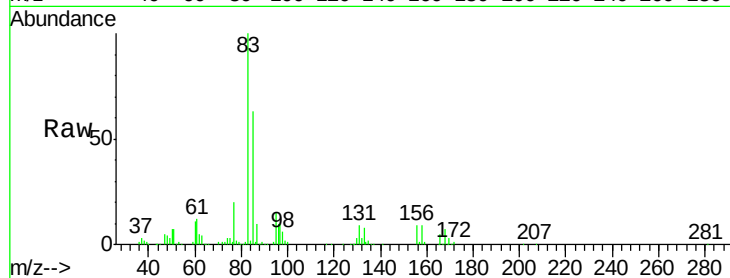
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	305217
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	63.9	32.3	96.8

Manual Integrations
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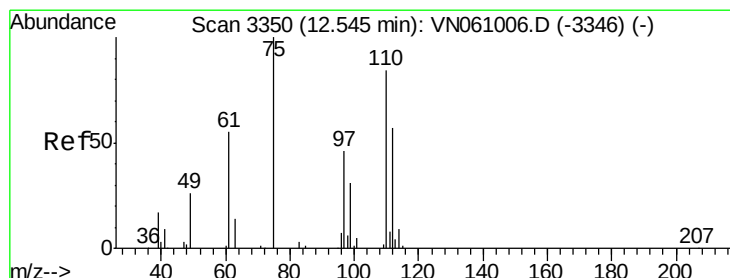
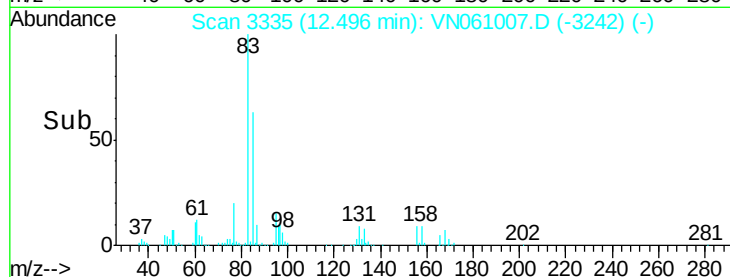
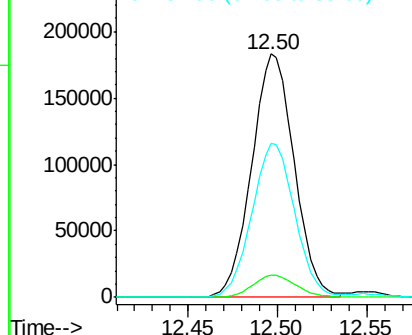
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN061007.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN061007.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN061007.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 96.332 ug/l m

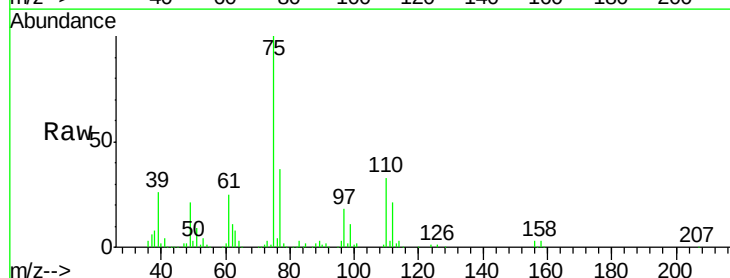
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061007.D

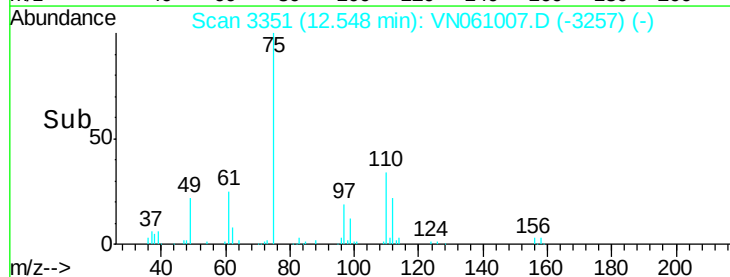
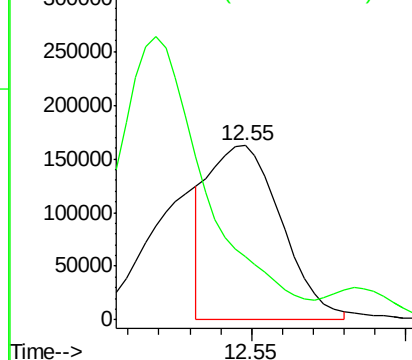
Acq: 16 Apr 2020 12:41

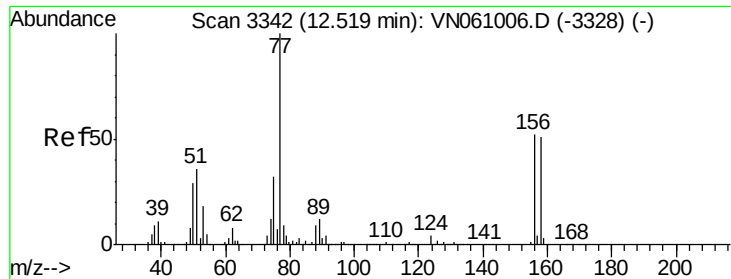
Tgt Ion:	75	Resp:	267473
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061007.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN061007.D (-3350) (-)





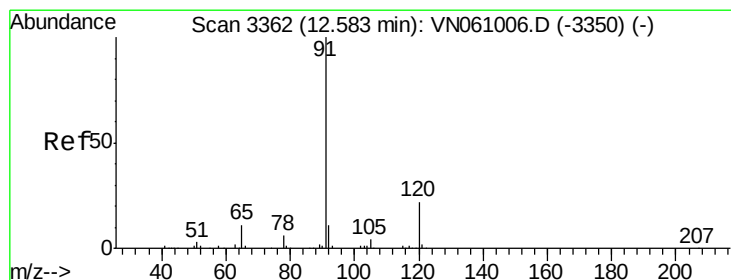
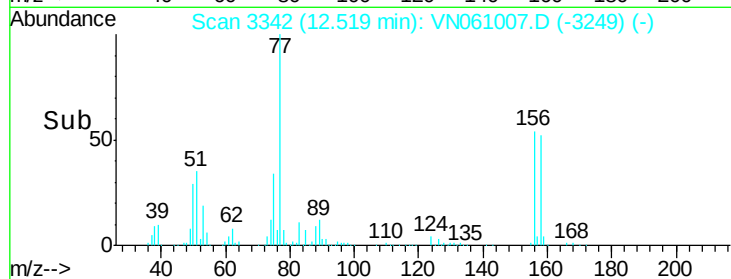
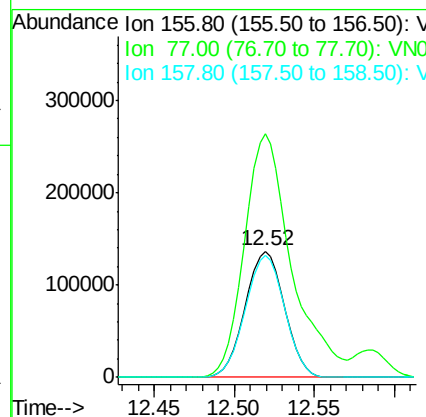
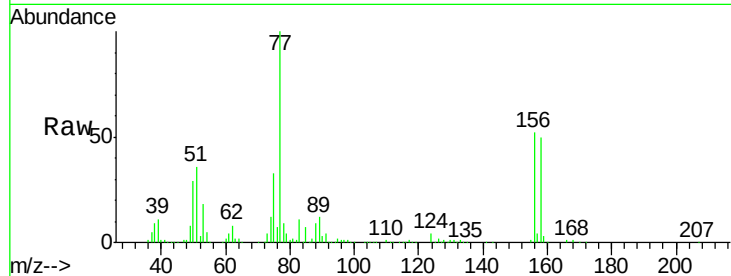
#77
Bromobenzene
Concen: 98.631 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.5	115.6	346.8
158	96.7	48.9	146.6

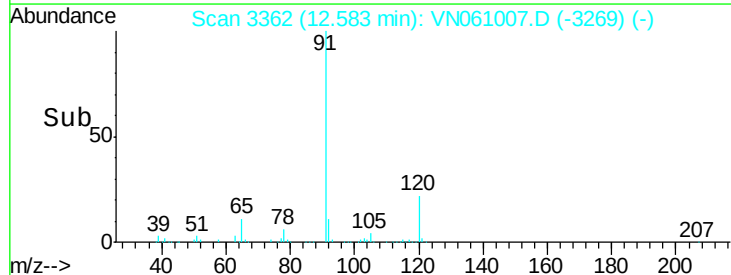
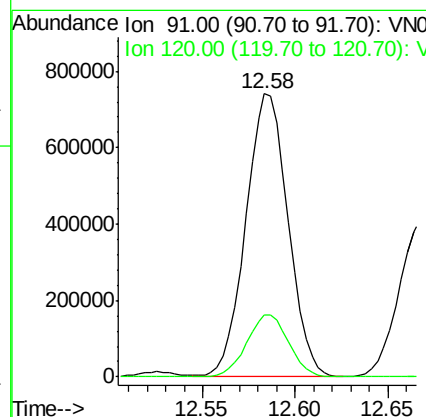
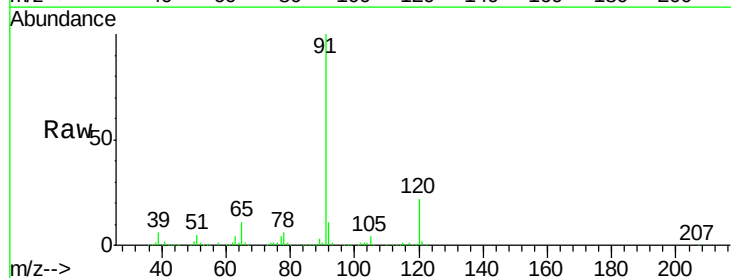
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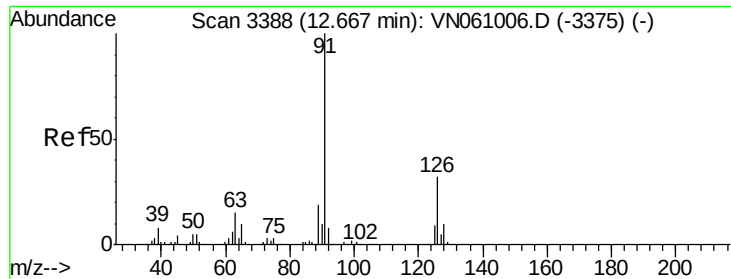
MMDadoda
4/17/2020 11:53:12 AM



#78
n-propylbenzene
Concen: 101.699 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	10.9	32.7





#79

2-Chlorotoluene

Concen: 99.330 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 678043

Ion Ratio Lower Upper

91 100

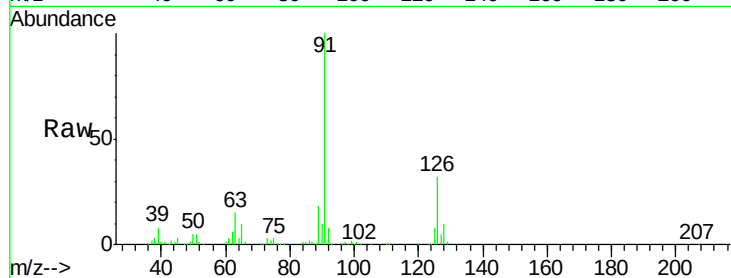
126 32.3 16.1 48.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061007.D (-3388) (-)

Ion 125.90 (125.60 to 126.60): VN061007.D (-3388) (-)

800000

600000

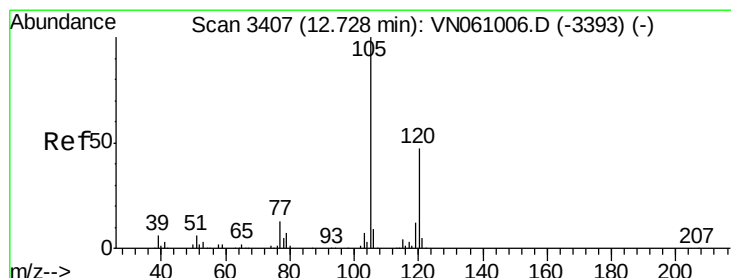
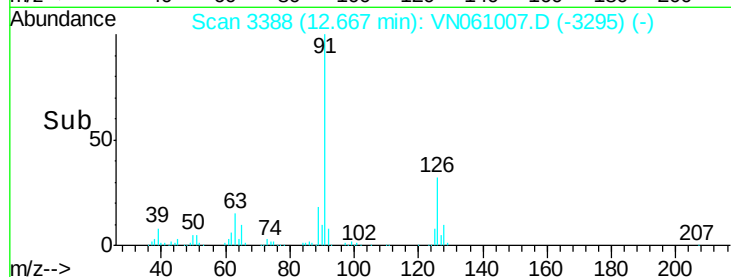
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 100.651 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061007.D

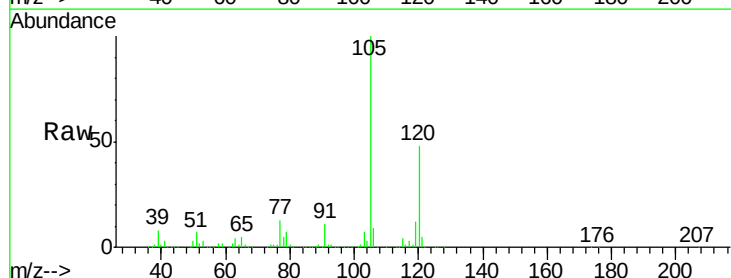
Acq: 16 Apr 2020 12:41

Tgt Ion:105 Resp: 827176

Ion Ratio Lower Upper

105 100

120 47.8 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061007.D (-3407) (-)

Ion 120.00 (119.70 to 120.70): VN061007.D (-3407) (-)

600000

500000

400000

300000

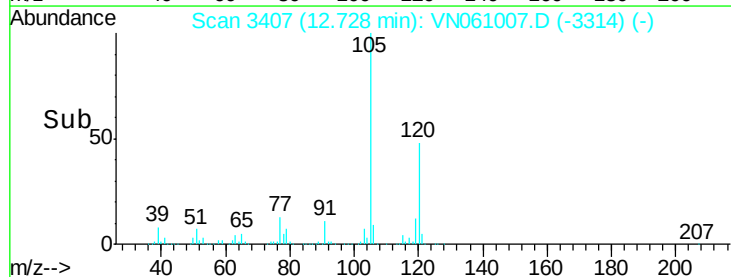
200000

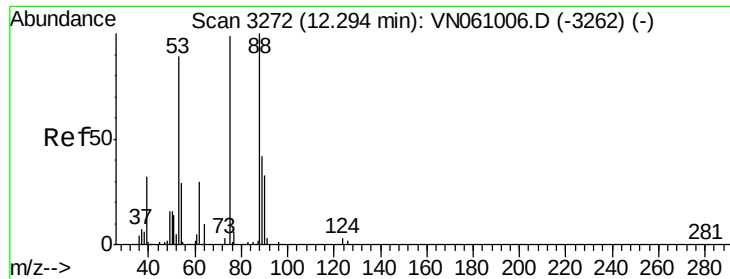
100000

0

12.70 12.80

Time-->





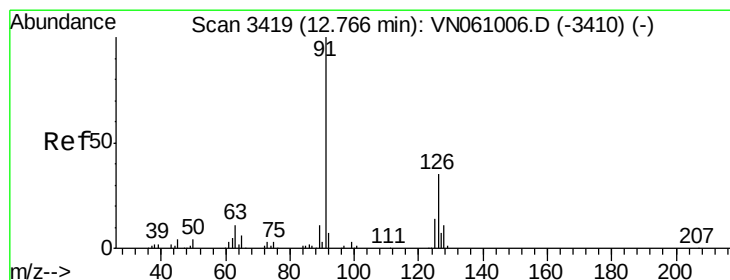
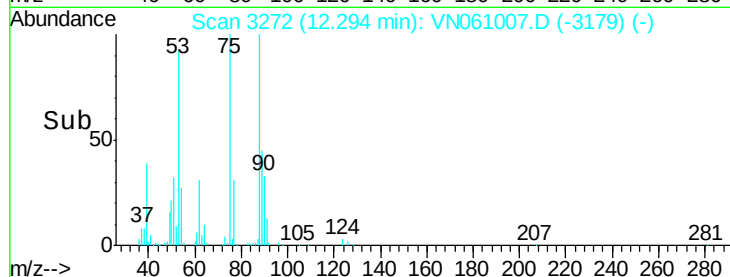
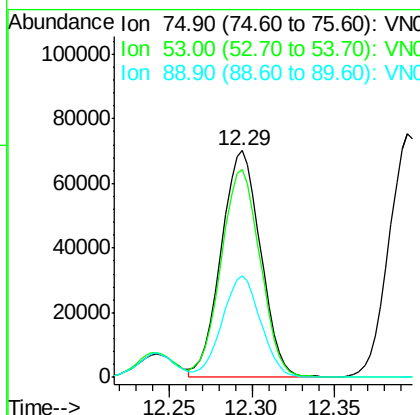
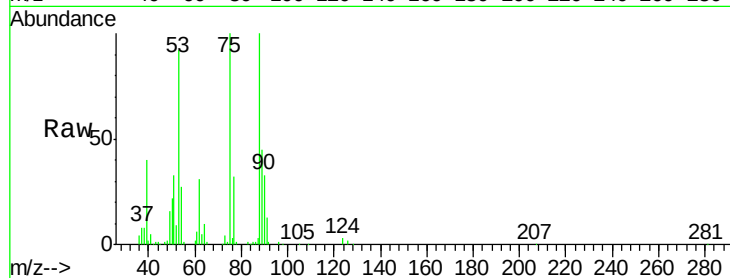
#81
trans-1,4-Dichloro-2-butene
Concen: 107.112 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.4	74.7	112.1
89	43.9	34.6	52.0

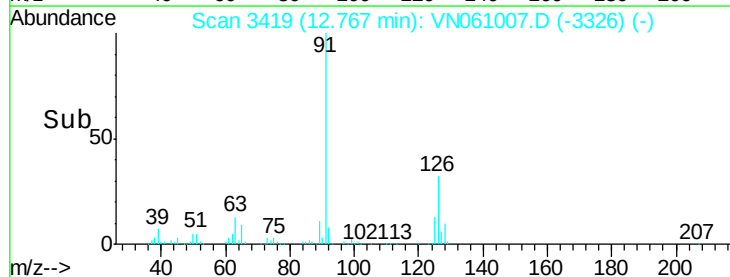
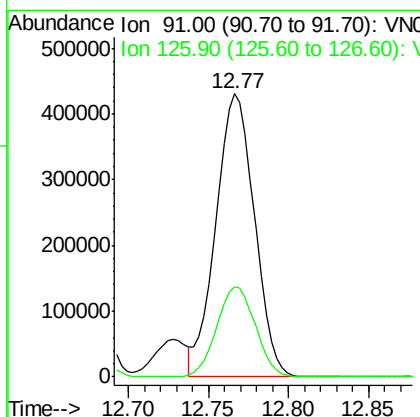
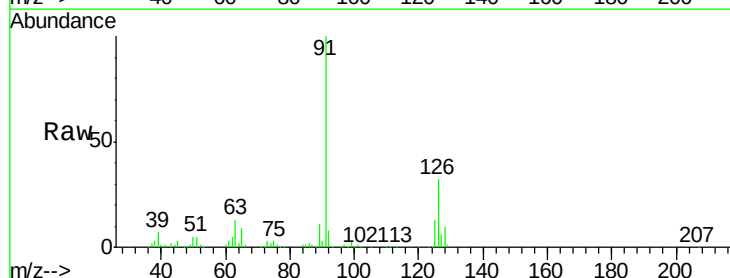
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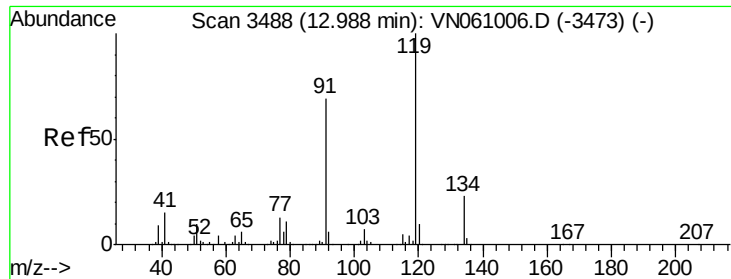
MMDadoda
4/17/2020 11:53:12 AM



#82
4-Chlorotoluene
Concen: 102.199 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.9	47.6





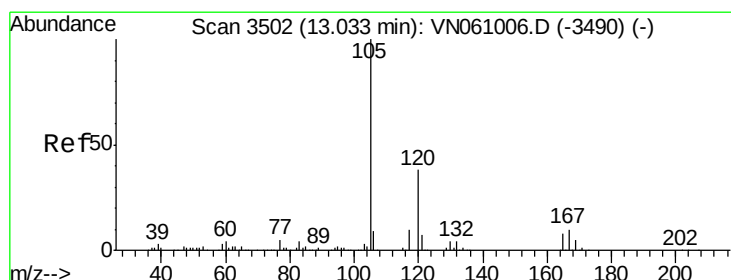
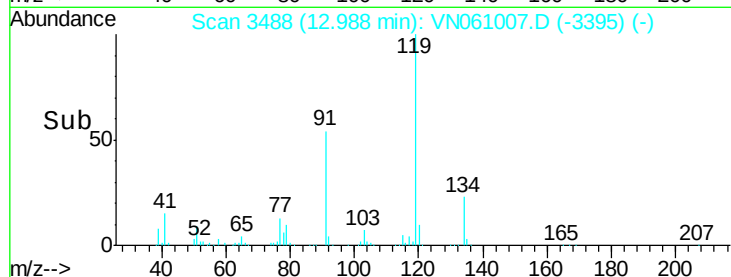
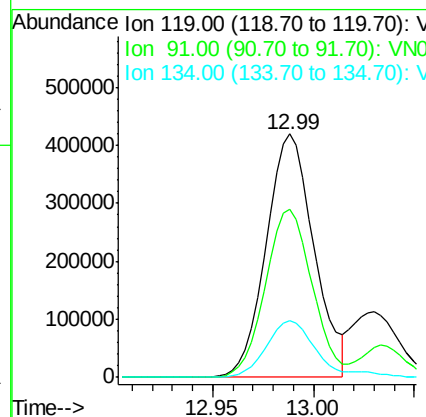
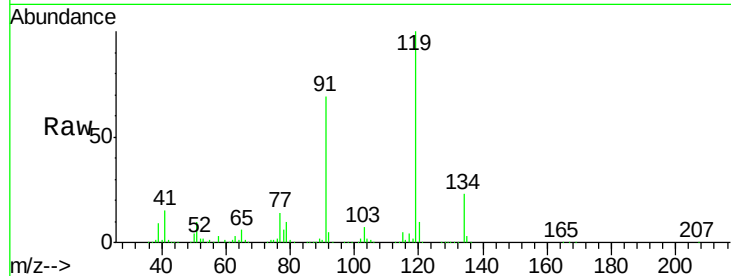
#83
 tert-Butylbenzene
 Concen: 101.615 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	24.7	12.4	37.2

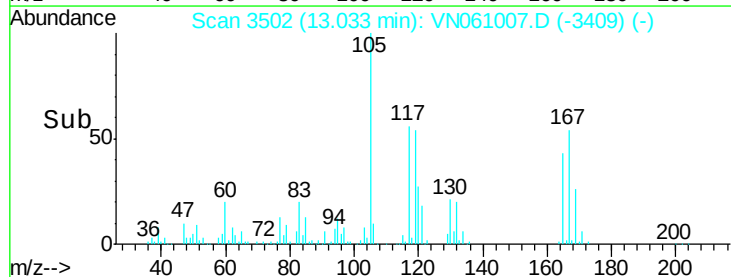
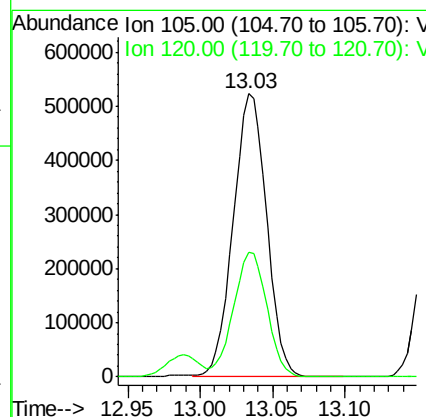
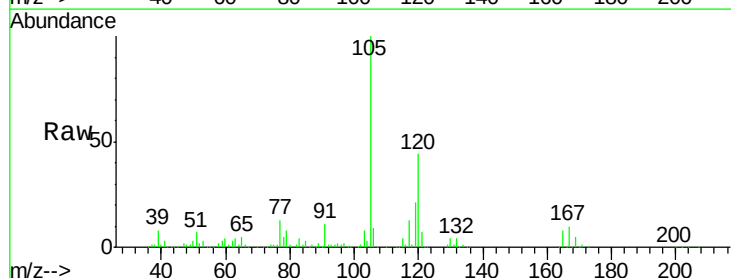
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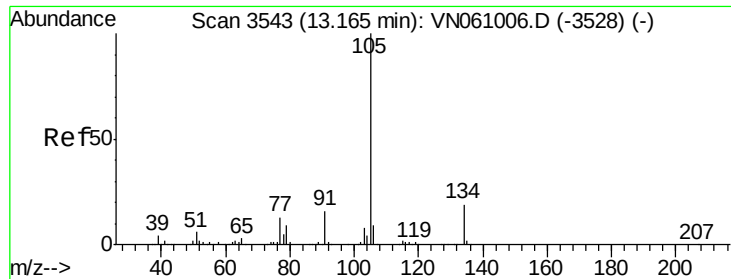
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#84
 1,2,4-Trimethylbenzene
 Concen: 102.705 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.1	66.5





#85

sec-Butylbenzene

Concen: 103.313 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 948894

Ion Ratio Lower Upper

105 100

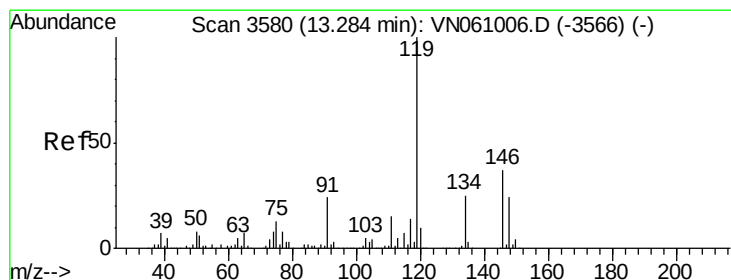
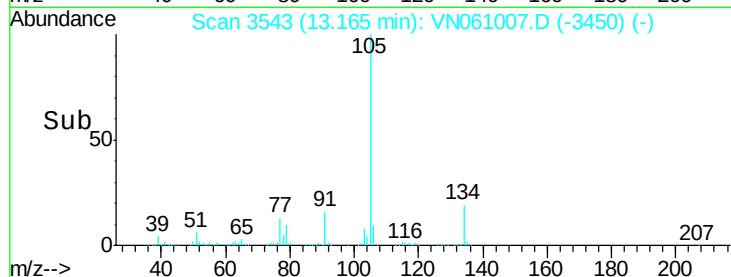
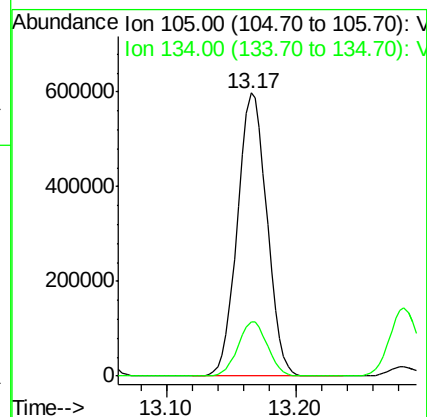
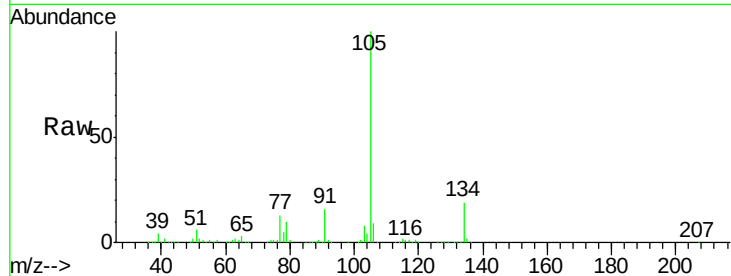
134 19.1 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 103.529 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

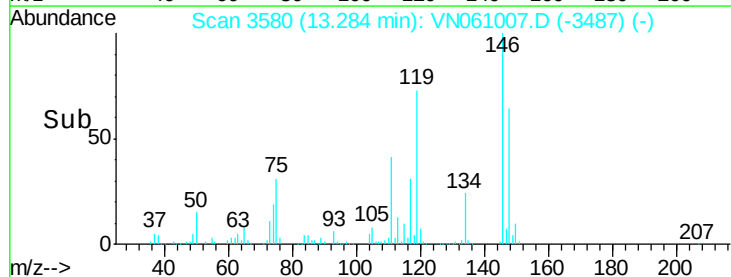
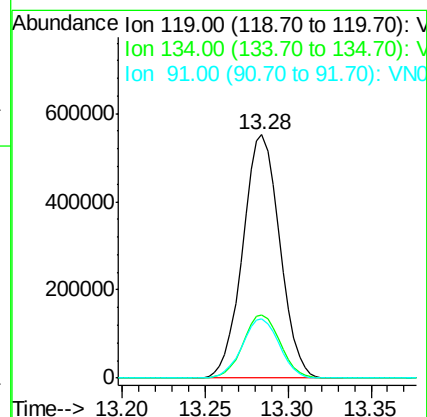
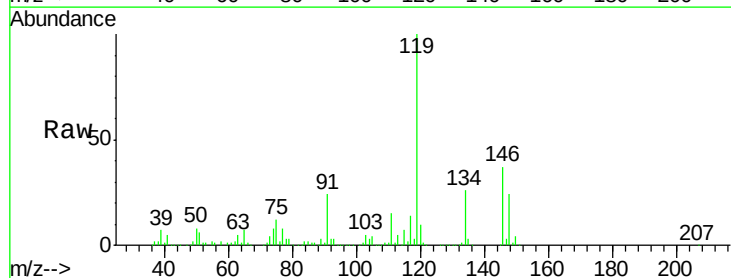
Tgt Ion:119 Resp: 854230

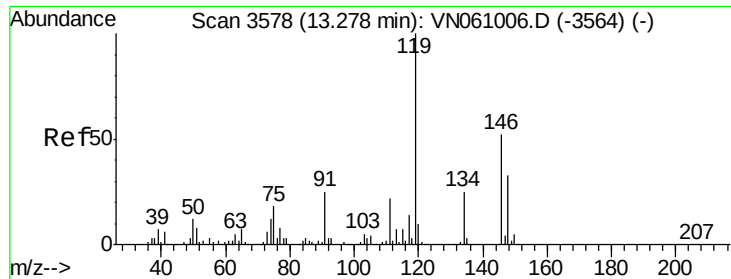
Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 24.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 101.315 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Instrument :

MSVOA_N

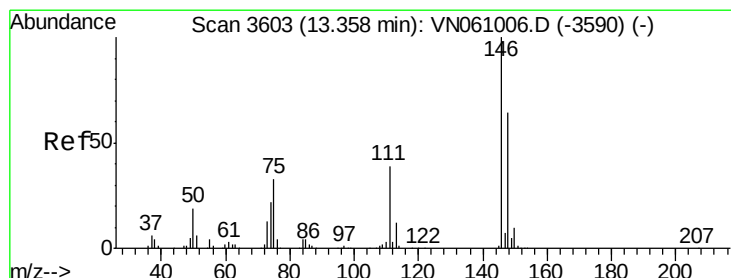
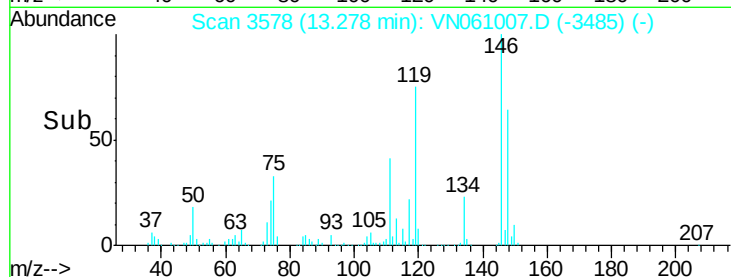
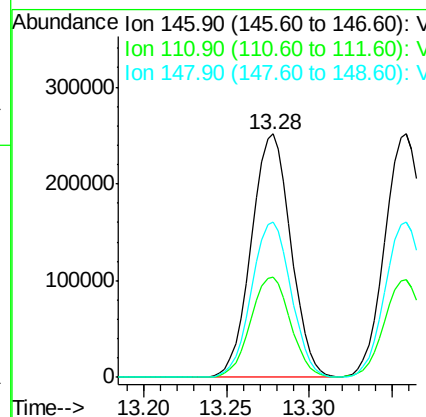
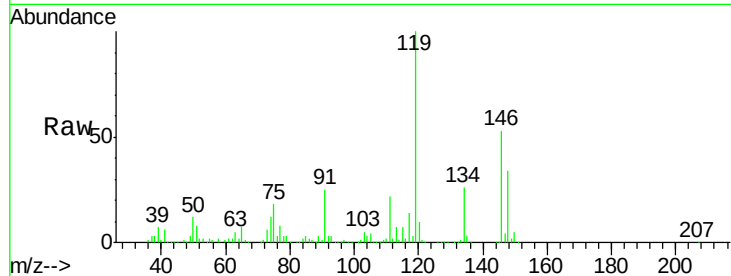
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	416582
Ion Ratio	Lower	Upper	
146	100		
111	41.5	20.6	61.8
148	64.1	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 101.605 ug/l

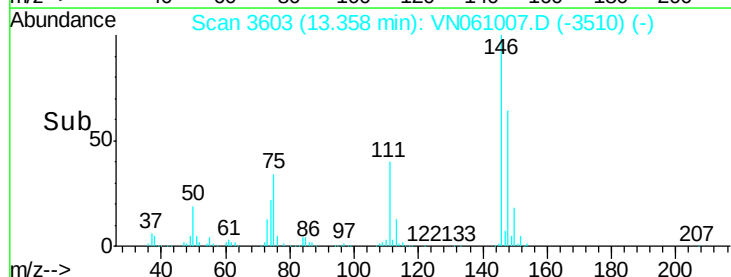
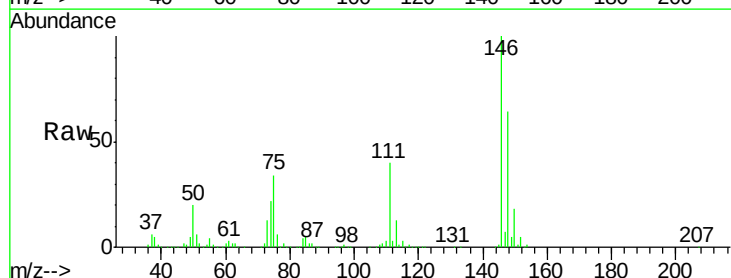
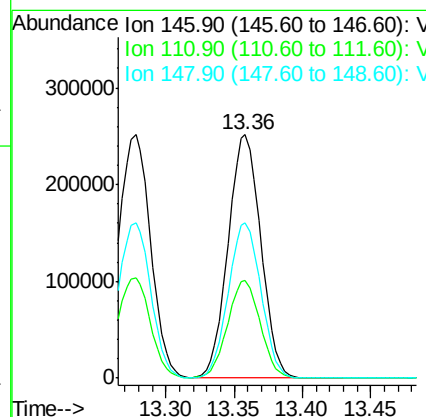
RT: 13.36 min Scan# 3603

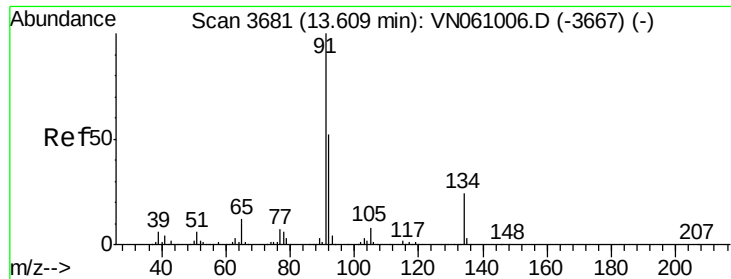
Delta R.T. 0.00 min

Lab File: VN061007.D

Acq: 16 Apr 2020 12:41

Tgt Ion:	146	Resp:	419138
Ion Ratio	Lower	Upper	
146	100		
111	39.9	20.1	60.3
148	63.7	32.1	96.3





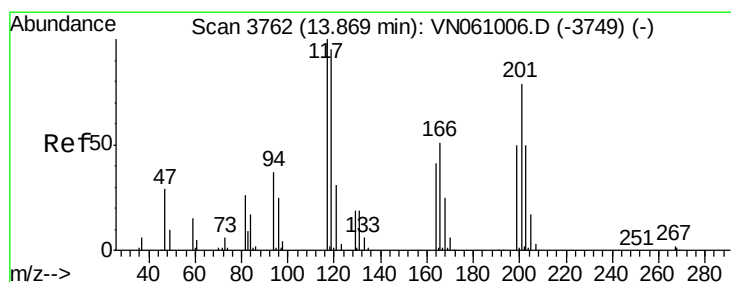
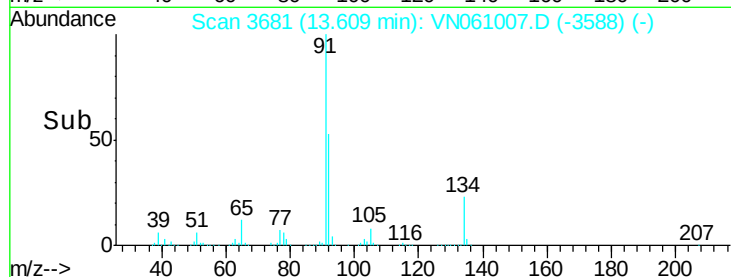
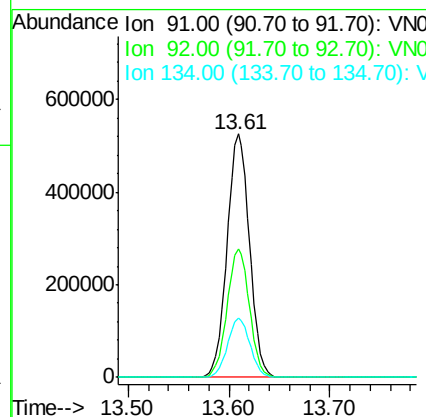
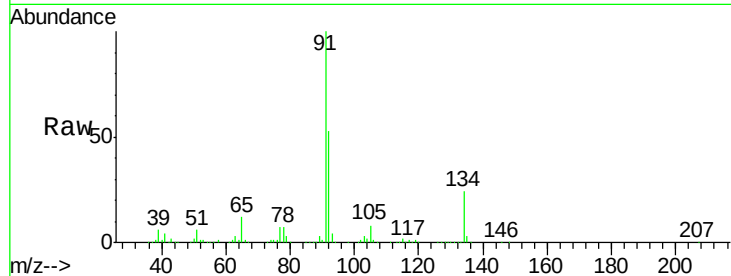
#89
n-Butylbenzene
Concen: 108.809 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.1	78.2
134	24.4	12.3	36.8

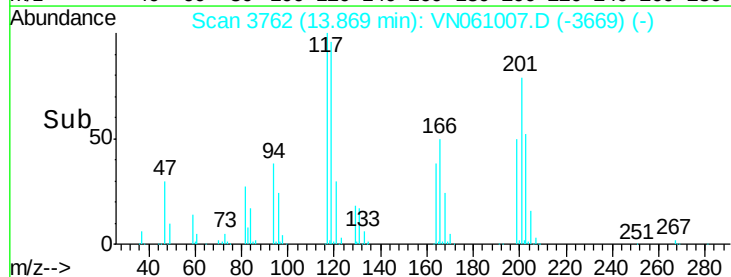
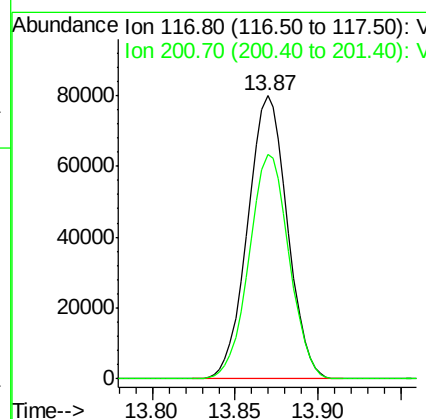
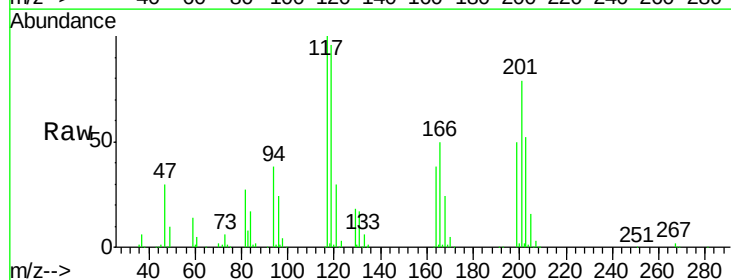
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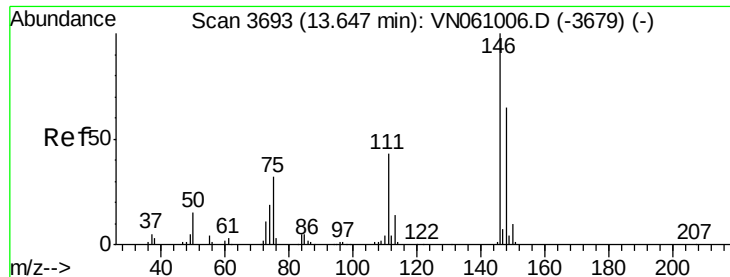
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#90
Hexachloroethane
Concen: 110.602 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	39.3	117.9





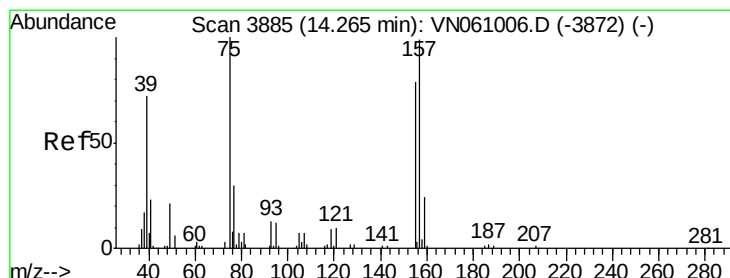
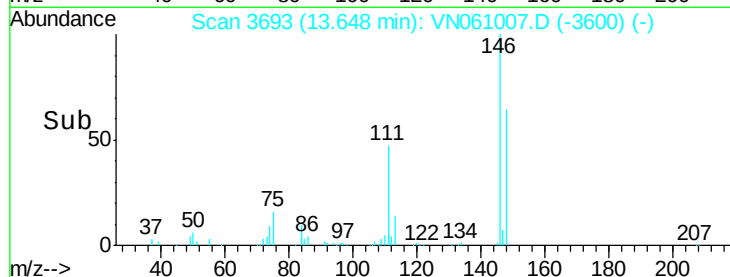
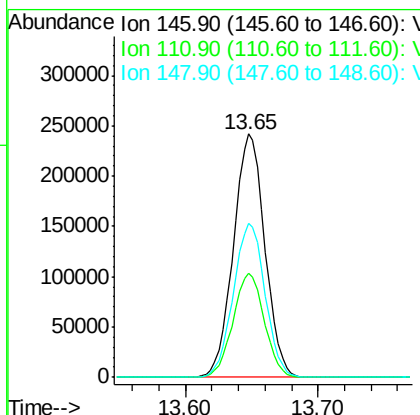
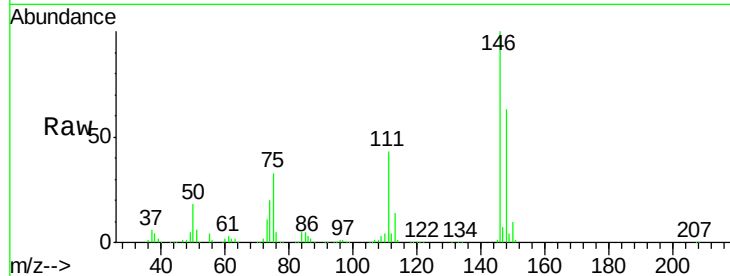
#91
 1,2-Dichlorobenzene
 Concen: 101.359 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.8	32.0	96.0

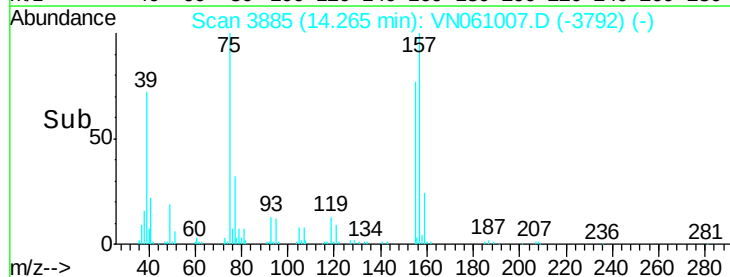
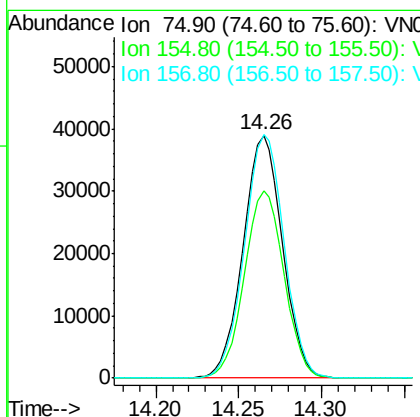
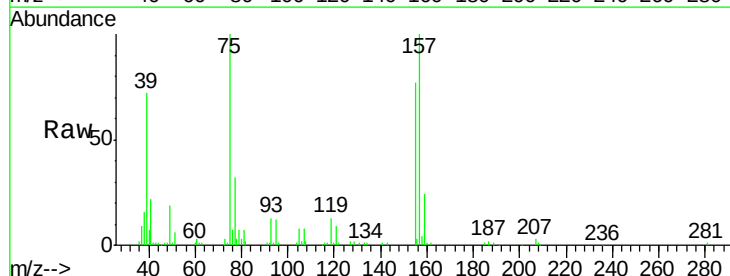
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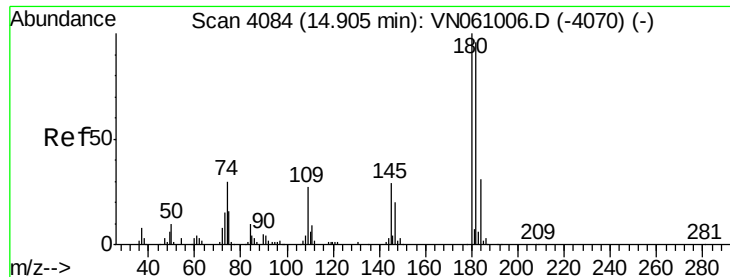
MMDadoda
 4/17/2020 11:53:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 97.579 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	39.5	118.5
157	100.9	50.1	150.4





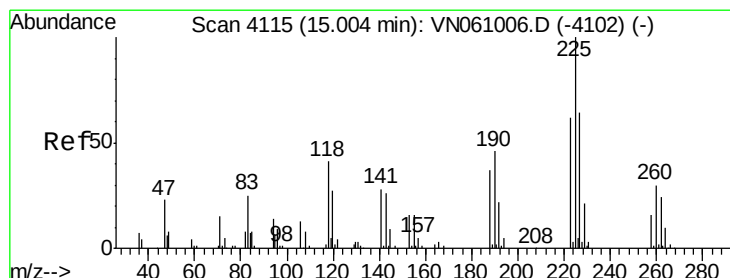
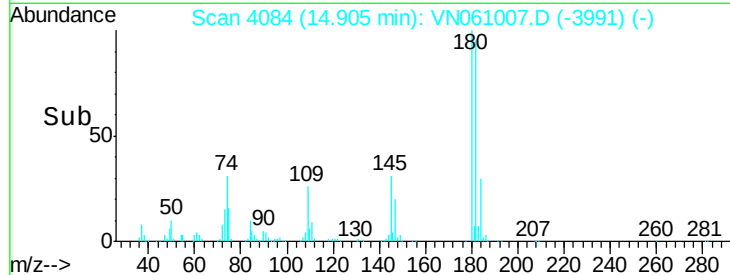
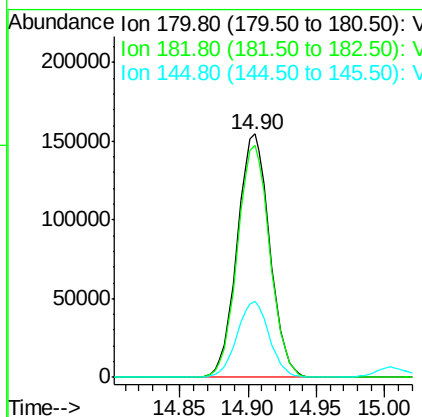
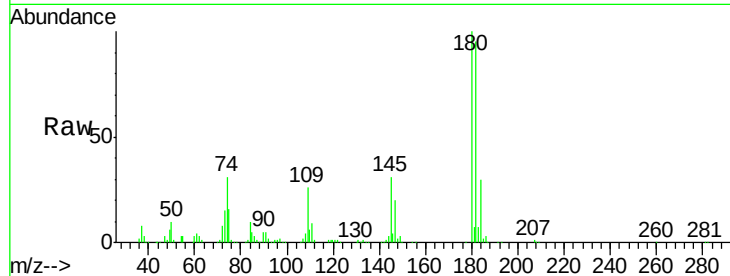
#93
 1,2,4-Trichlorobenzene
 Concen: 105.997 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	255032		
182	95.1	47.8	143.3	
145	30.9	15.3	45.8	

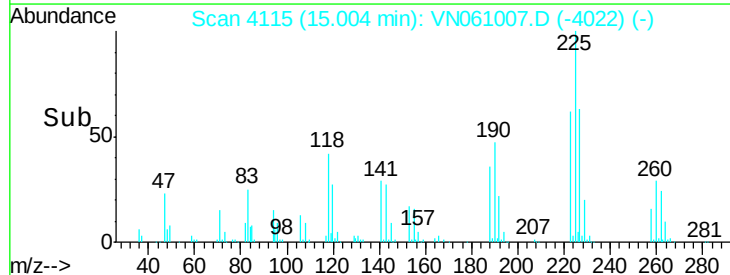
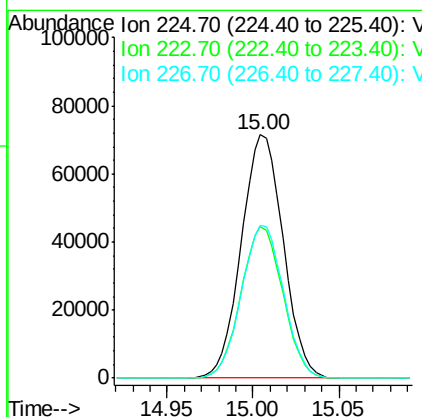
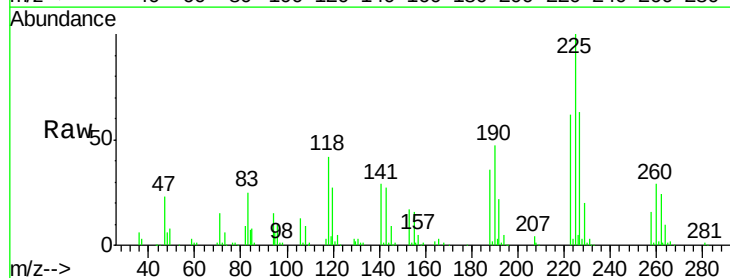
Manual Integrations
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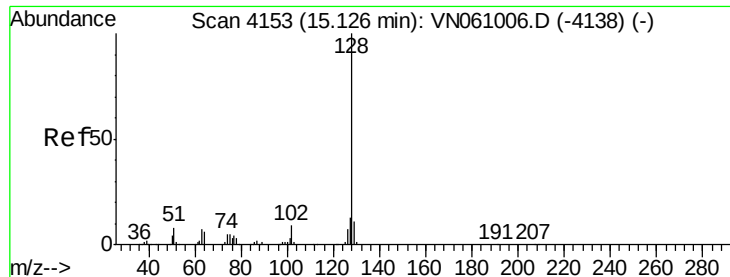
MMDadoda
 4/17/2020 11:53:12 AM



#94
 Hexachlorobutadiene
 Concen: 101.428 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061007.D
 Acq: 16 Apr 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120636		
223	62.0	31.3	93.8	
227	63.1	31.9	95.5	





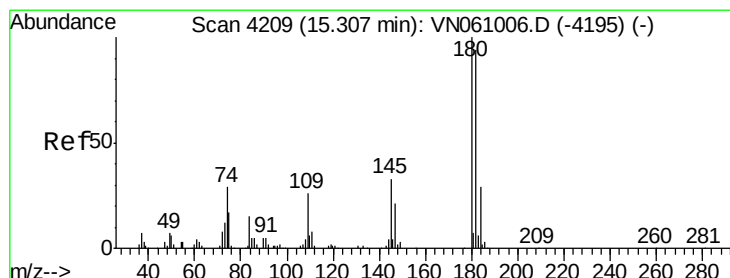
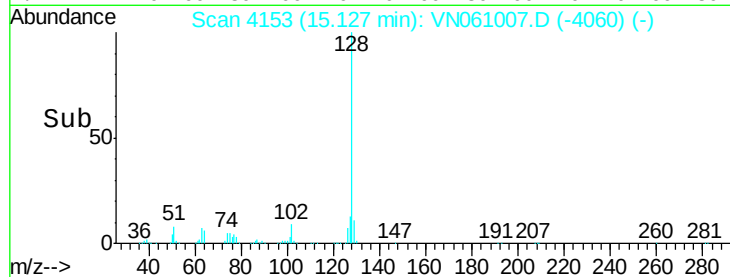
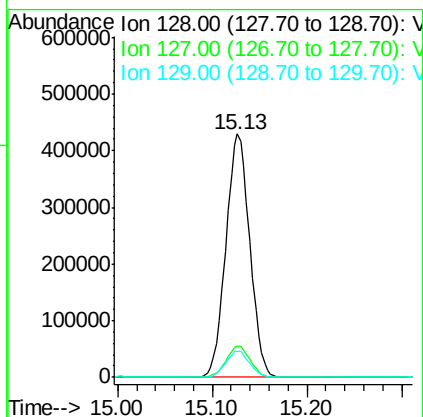
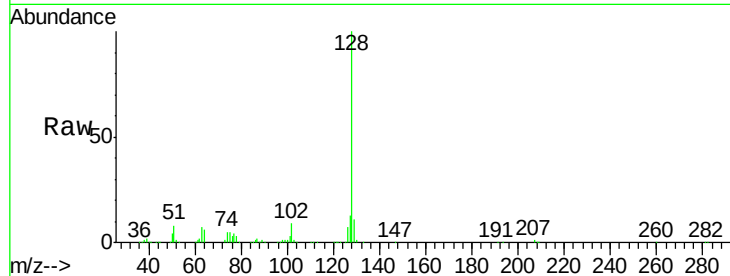
#95
Naphthalene
Concen: 104.324 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	128	Resp	751061
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/17/2020 11:53:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 101.926 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN061007.D
Acq: 16 Apr 2020 12:41

Tgt Ion	180	Resp	241602
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.6	142.8
145	32.6	16.4	49.2

