

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062012.D
 Acq On : 22 Jun 2020 20:19
 Operator : JC/MD
 Sample : L3043-12MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:47:32 PM

Quant Time: Jun 23 06:21:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	269235	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	256099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	120687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	110069	57.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.62%	
35) Dibromofluoromethane	7.55	113	90299	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.06	98	350023	51.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.38	95	118708	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	103212	55.356	ug/l	96
3) Chloromethane	2.03	50	115307	58.004	ug/l	98
4) Vinyl Chloride	2.16	62	139232	58.752	ug/l	100
5) Bromomethane	2.52	94	86004	47.259	ug/l	98
6) Chloroethane	2.66	64	94726	59.061	ug/l	99
7) Trichlorofluoromethane	2.97	101	165576	58.492	ug/l	97
8) Diethyl Ether	3.37	74	60691	63.774	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	82351	56.706	ug/l	99
10) Methyl Iodide	3.91	142	109775	61.288	ug/l	99
11) Tert butyl alcohol	4.73	59	81493	306.605	ug/l	98
12) 1,1-Dichloroethene	3.69	96	89458	61.477	ug/l	97
13) Acrolein	3.56	56	35701	224.737	ug/l	97
14) Allyl chloride	4.27	41	95830	49.620	ug/l	97
15) Acrylonitrile	4.93	53	217334	330.000	ug/l	98
16) Acetone	3.77	43	184459	325.123	ug/l	99
17) Carbon Disulfide	4.00	76	227000	53.315	ug/l	99
18) Methyl Acetate	4.28	43	51167	31.325	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	297339	61.370	ug/l	98
20) Methylene Chloride	4.50	84	104120	56.329	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	95449	57.107	ug/l	98
22) Diisopropyl ether	5.90	45	266232	60.275	ug/l	96
23) Vinyl Acetate	5.84	43	345716	99.516	ug/l	98
24) 1,1-Dichloroethane	5.80	63	174743	60.435	ug/l	99
25) 2-Butanone	6.79	43	268201	324.006	ug/l	99
26) 2,2-Dichloropropane	6.77	77	19652	8.079	ug/l #	63
27) cis-1,2-Dichloroethene	6.78	96	114919	59.589	ug/l	93
28) Bromochloromethane	7.15	49	75972	59.012	ug/l	98
29) Tetrahydrofuran	7.16	42	179178	328.912	ug/l	98
30) Chloroform	7.33	83	183656	59.433	ug/l	99
31) Cyclohexane	7.61	56	135381	53.486	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	153085	58.170	ug/l	98
36) 1,1-Dichloropropene	7.75	75	129861	52.881	ug/l	100
37) Ethyl Acetate	6.88	43	57523	29.996	ug/l	96
38) Carbon Tetrachloride	7.73	117	135780	55.834	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	129930	49.136	ug/l	98
40) Benzene	8.00	78	411543	55.323	ug/l	97
41) Methacrylonitrile	7.12	41	45096	54.993	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	139381	54.951	ug/l	100
43) Isopropyl Acetate	8.12	43	121513	37.600	ug/l #	88
44) Trichloroethene	8.80	130	434491	221.935	ug/l	99
45) 1,2-Dichloropropane	9.08	63	104516	57.171	ug/l	98
46) Dibromomethane	9.17	93	71426	55.483	ug/l	98
47) Bromodichloromethane	9.37	83	144374	54.769	ug/l	96
48) Methyl methacrylate	9.17	41	87651	59.640	ug/l	95
49) 1,4-Dioxane	9.17	88	39938	1183.626	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	577404	302.345	ug/l	100
52) Toluene	10.12	92	261597	55.994	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	115851	41.399	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	124732	41.038	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	106208	57.780	ug/l	99
56) Ethyl methacrylate	10.40	69	144438	51.359	ug/l	98
57) 1,3-Dichloropropane	10.68	76	177625	57.039	ug/l	100
59) 2-Hexanone	10.72	43	422358	275.387	ug/l	99
60) Dibromochloromethane	10.87	129	114258	55.706	ug/l	100
61) 1,2-Dibromoethane	10.98	107	106077	55.266	ug/l	99
64) Tetrachloroethene	10.60	164	81466	49.909	ug/l	98
65) Chlorobenzene	11.40	112	278565	51.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	102923	54.610	ug/l	99
67) Ethyl Benzene	11.48	91	491010	54.193	ug/l	99
68) m/p-Xylenes	11.59	106	377724	108.116	ug/l	99
69) o-Xylene	11.92	106	182333	54.697	ug/l	97
70) Styrene	11.94	104	308490	55.269	ug/l	99
71) Bromoform	12.10	173	76227	55.469	ug/l #	100
73) Isopropylbenzene	12.22	105	471432	54.970	ug/l	100
74) N-amyl acetate	12.05	43	69178	23.973	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	156620	56.170	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	129139m	54.503	ug/l	
77) Bromobenzene	12.50	156	117335	54.230	ug/l	99
78) n-propylbenzene	12.56	91	526314	53.784	ug/l	99
79) 2-Chlorotoluene	12.65	91	320046	54.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	387938	54.676	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	25245	29.060	ug/l	99
82) 4-Chlorotoluene	12.75	91	327396	53.910	ug/l	99
83) tert-Butylbenzene	12.97	119	331183	55.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	390791	55.796	ug/l	100
85) sec-Butylbenzene	13.15	105	423708	53.817	ug/l	99
86) p-Isopropyltoluene	13.26	119	371134	52.901	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	204665	51.864	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	201651	49.921	ug/l	98
89) n-Butylbenzene	13.59	91	278372	47.512	ug/l	98
90) Hexachloroethane	13.85	117	72282	56.285	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	205471	54.085	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	27247	60.193	ug/l	94
93) 1,2,4-Trichlorobenzene	14.88	180	87730	48.938	ug/l	100

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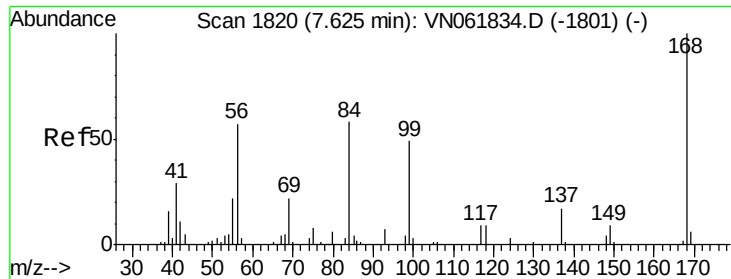
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	32057	45.403	ug/l	99
95) Naphthalene	15.10	128	281527	47.112	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	91762	51.685	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

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Instrument :

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ClientSampleId :

RE139D2-20200616MSD

Tot Ion:168 Resp: 143216

Ion Ratio Lower Upper

168 100

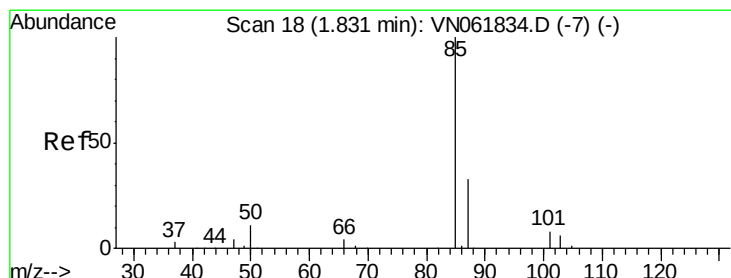
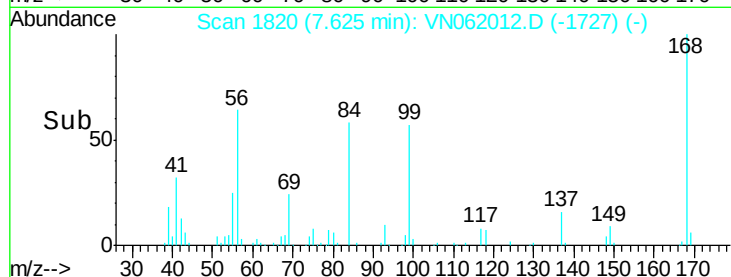
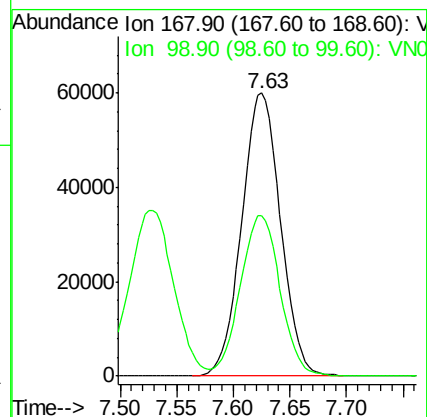
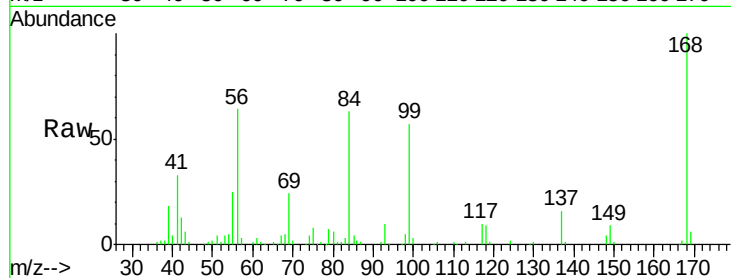
99 56.6 44.6 67.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 55.356 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062012.D

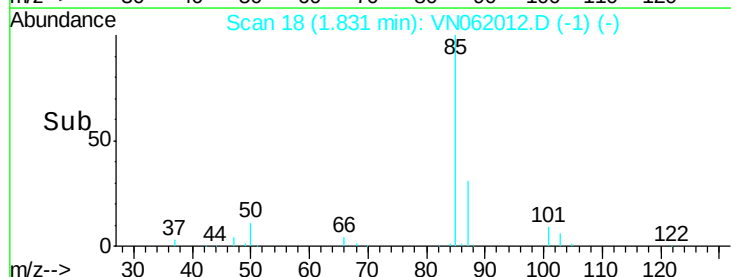
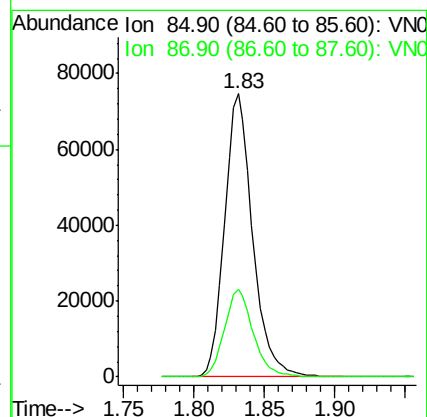
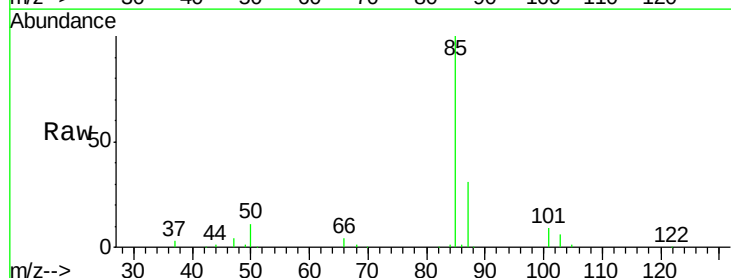
Acq: 22 Jun 2020 20:19

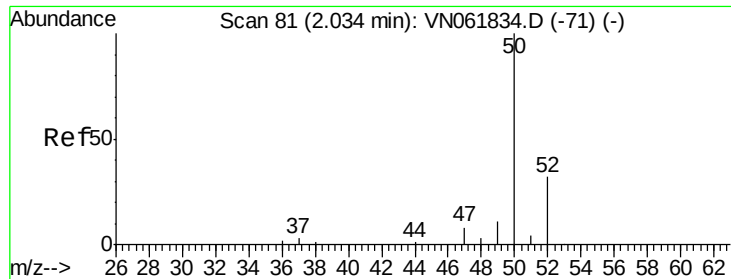
Tgt Ion: 85 Resp: 103212

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.8





#3

Chloromethane

Concen: 58.004 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 50 Resp: 115307

Ion Ratio Lower Upper

50 100

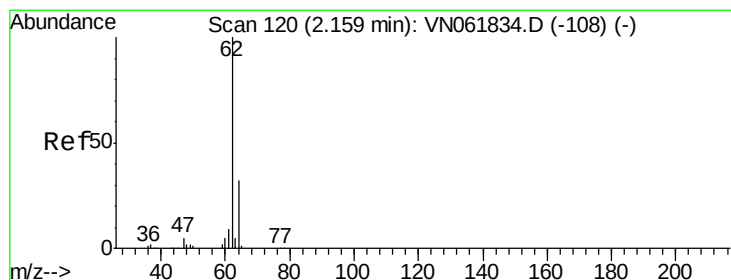
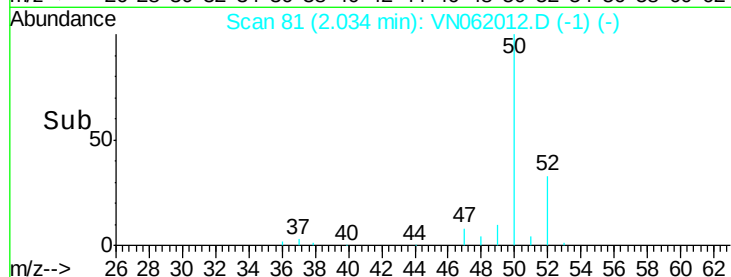
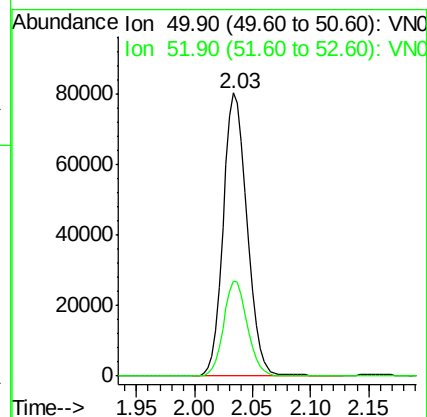
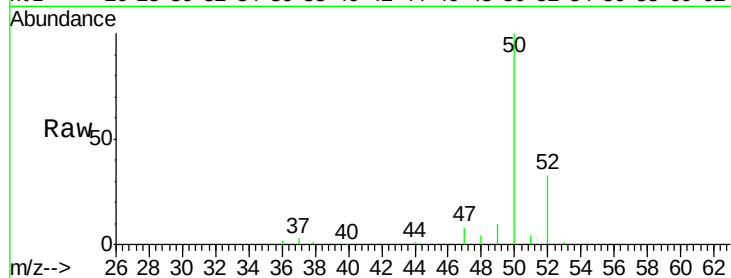
52 33.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 58.752 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062012.D

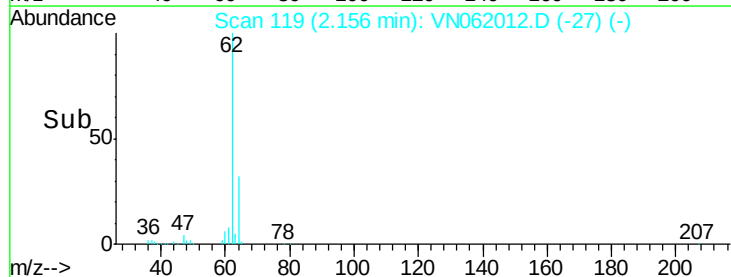
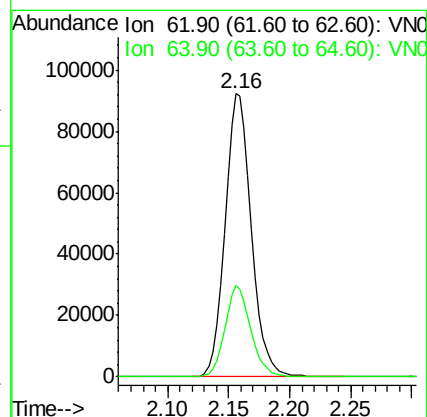
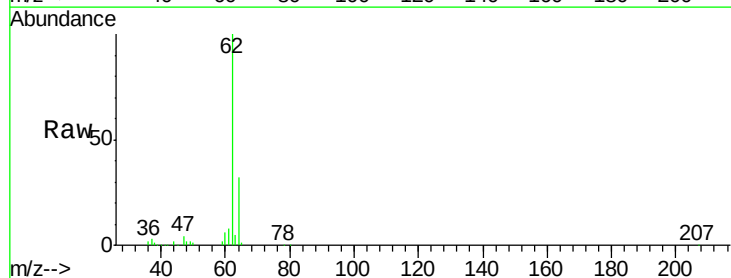
Acq: 22 Jun 2020 20:19

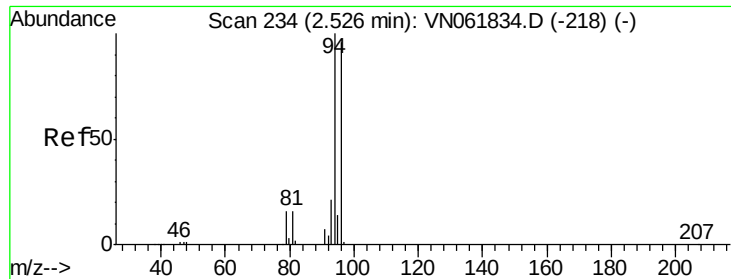
Tgt Ion: 62 Resp: 139232

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 47.259 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 94 Resp: 86004

Ion Ratio Lower Upper

94 100

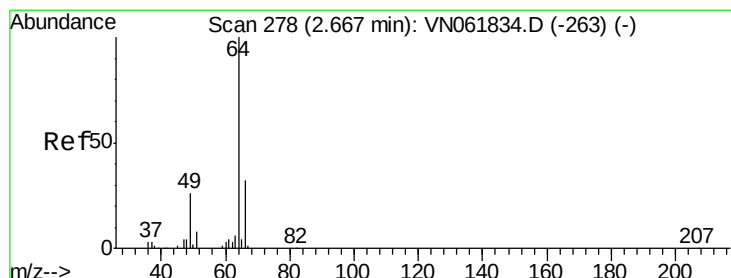
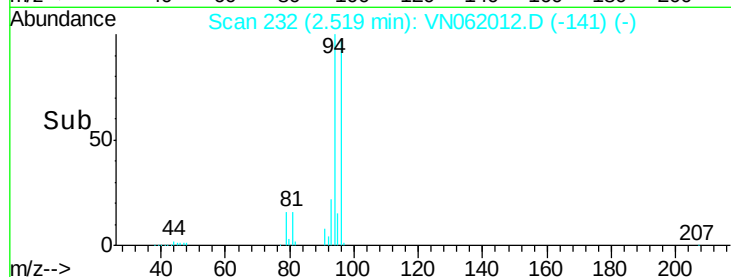
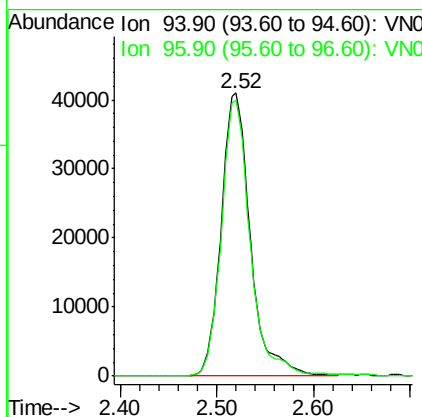
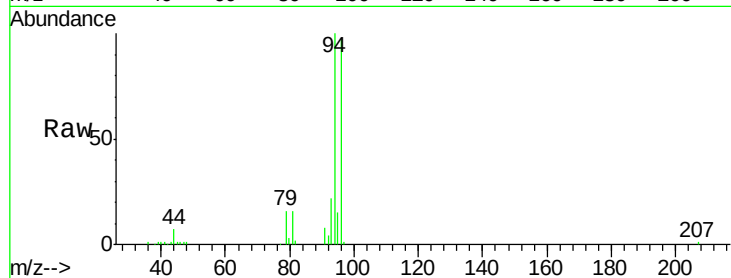
96 97.4 76.7 115.1

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#6

Chloroethane

Concen: 59.061 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN062012.D

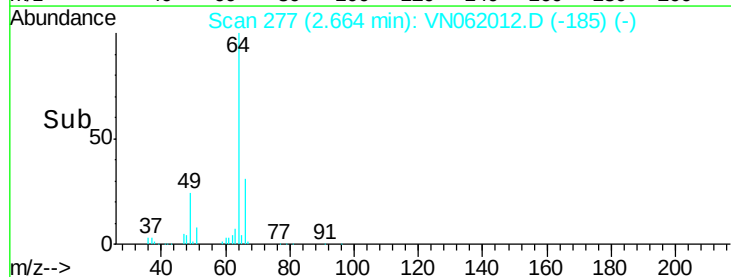
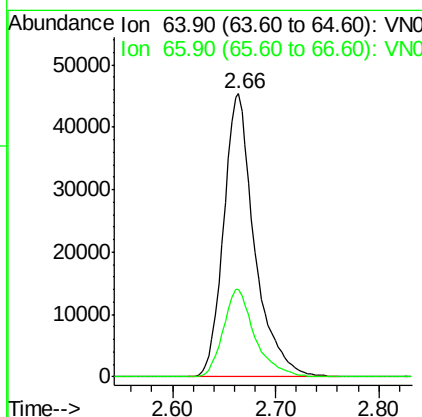
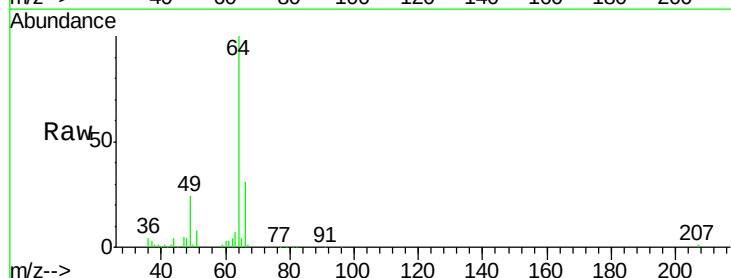
Acq: 22 Jun 2020 20:19

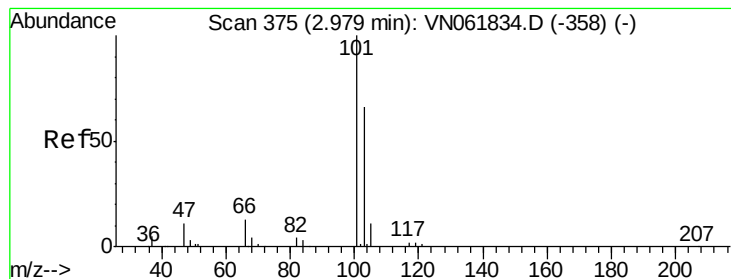
Tgt Ion: 64 Resp: 94726

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.2





#7

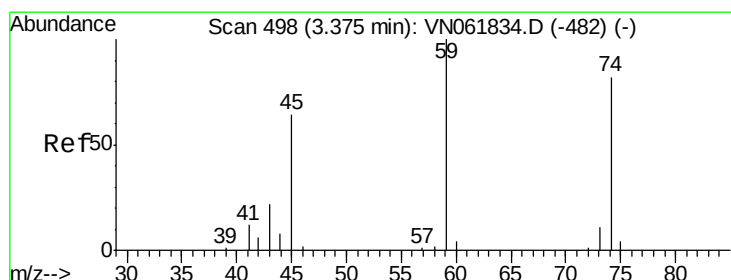
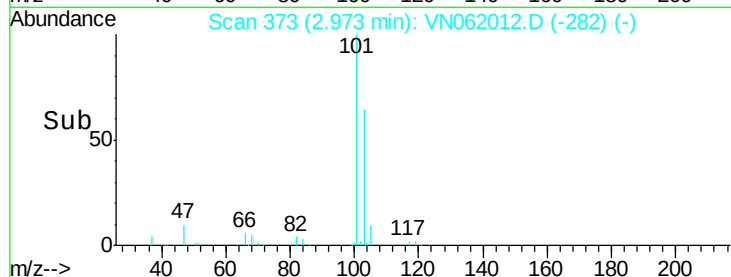
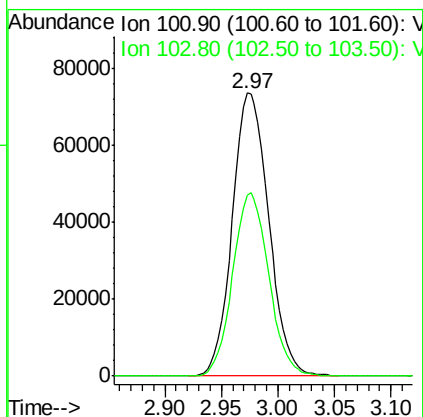
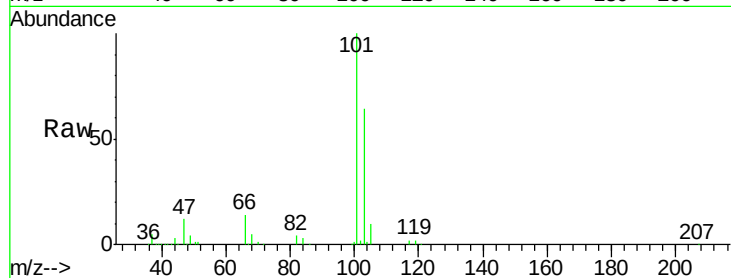
Trichlorofluoromethane
Concen: 58.492 ug/l
RT: 2.97 min Scan# 373
Delta R.T. -0.01 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.8	79.2

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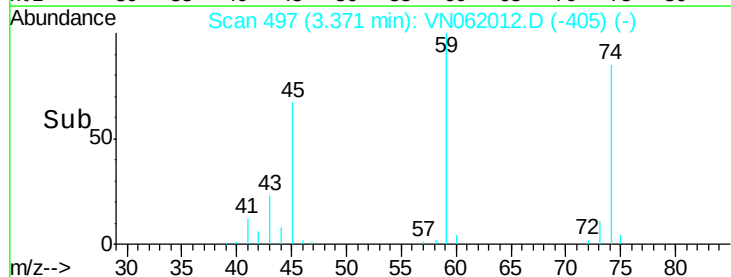
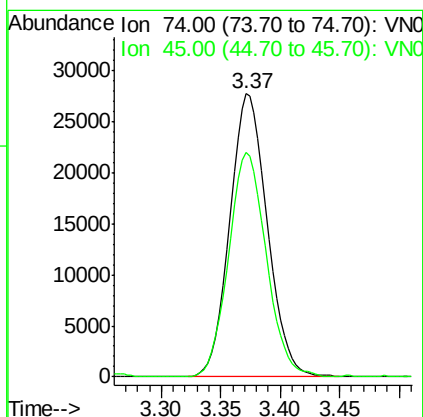
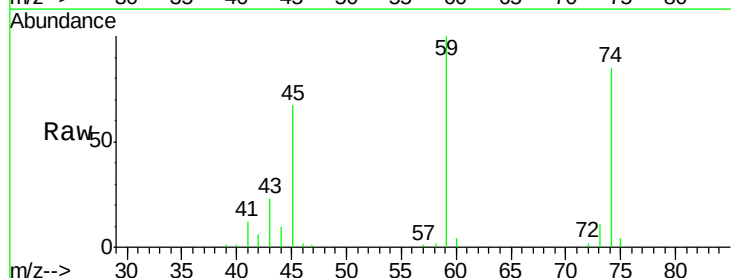
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6/23/2020 12:47:32 PM

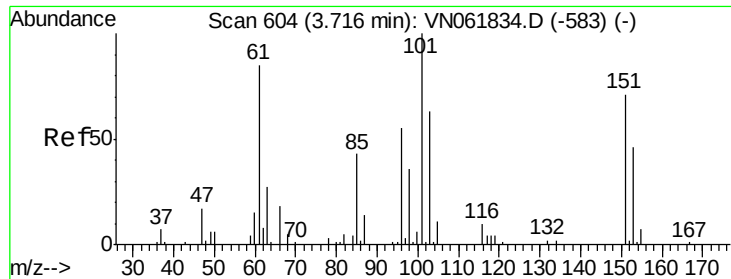


#8

Diethyl Ether
Concen: 63.774 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.7	39.1	117.3





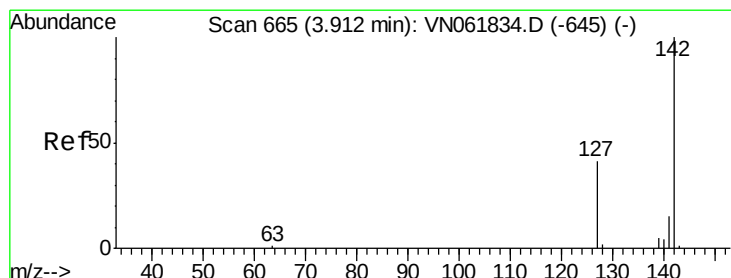
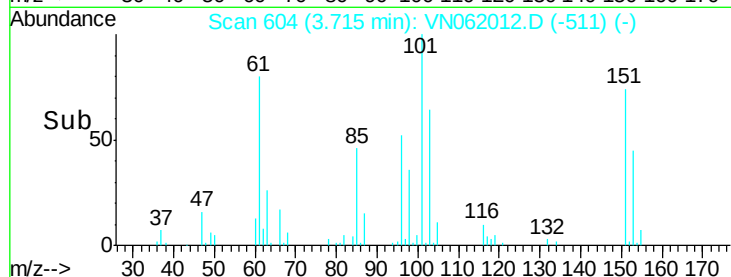
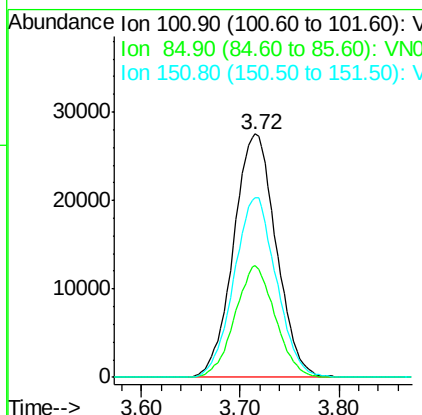
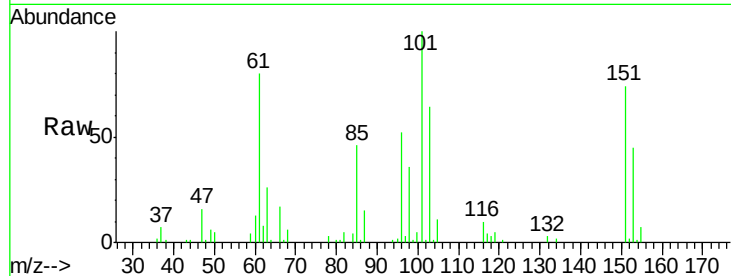
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 56.706 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN062012.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.0	52.6
151	73.5	59.2	88.8

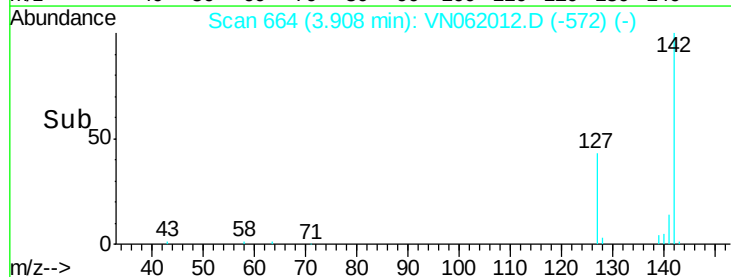
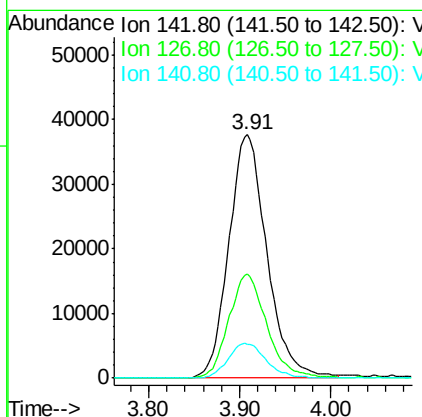
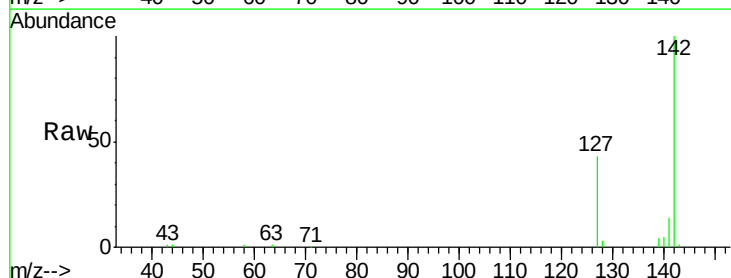
Manual Integrations
 APPROVED

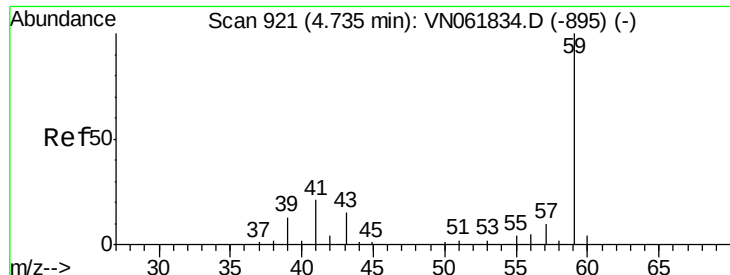
MMDadoda
 6/23/2020 12:47:32 PM



#10
 Methyl Iodide
 Concen: 61.288 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.3	33.4	50.0
141	14.2	11.3	16.9





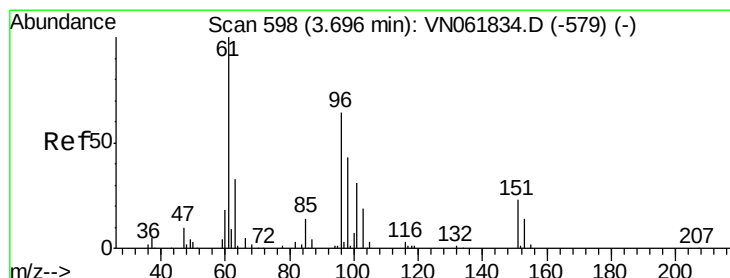
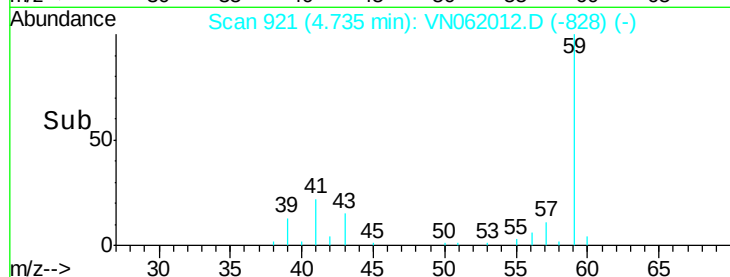
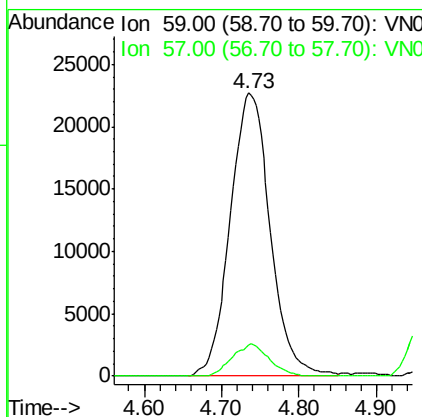
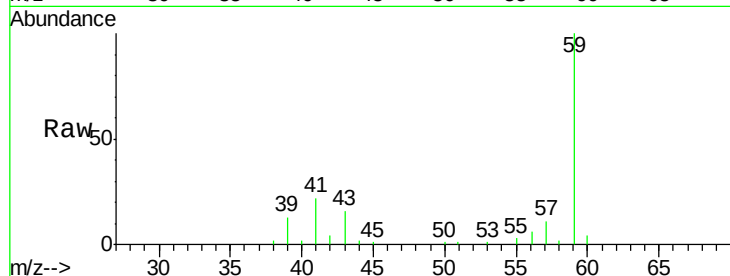
#11
Tert butyl alcohol
Concen: 306.605 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion: 59 Resp: 81493
Ion Ratio Lower Upper
59 100
57 10.5 7.7 11.5

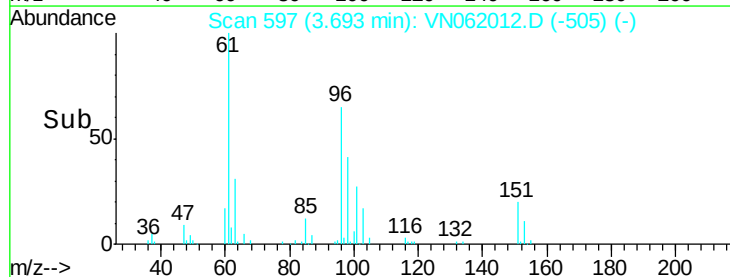
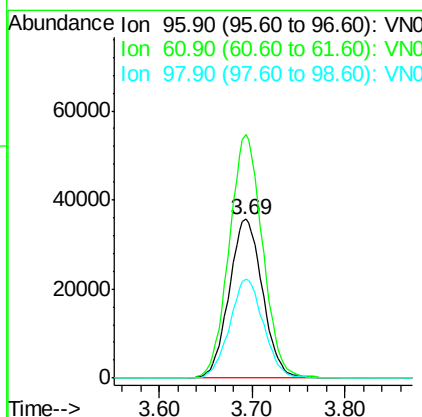
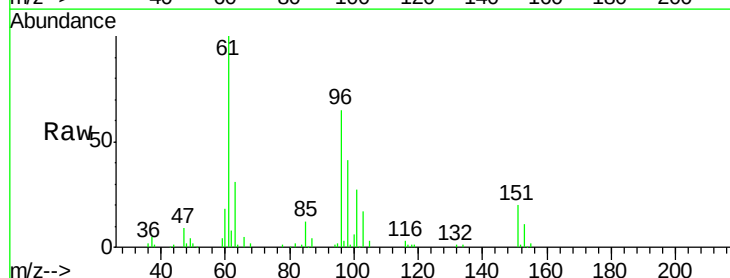
Manual Integrations
APPROVED

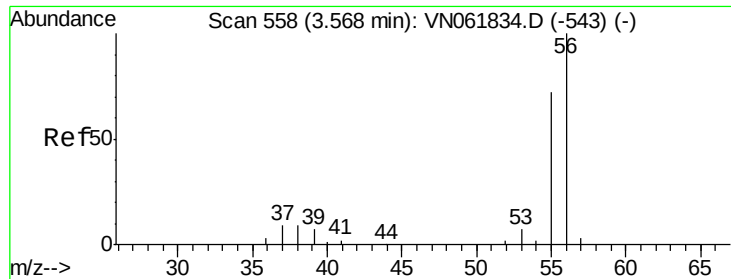
MMDadoda
6/23/2020 12:47:32 PM



#12
1,1-Dichloroethene
Concen: 61.477 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion: 96 Resp: 89458
Ion Ratio Lower Upper
96 100
61 153.3 124.3 186.5
98 62.6 53.1 79.7





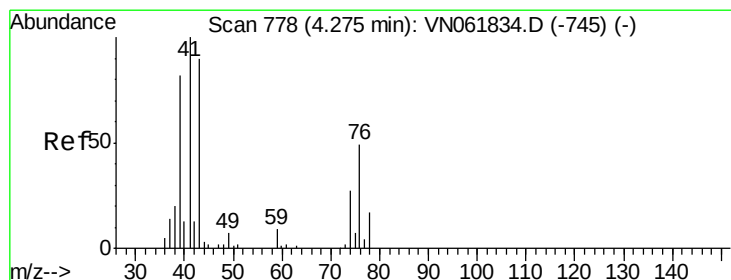
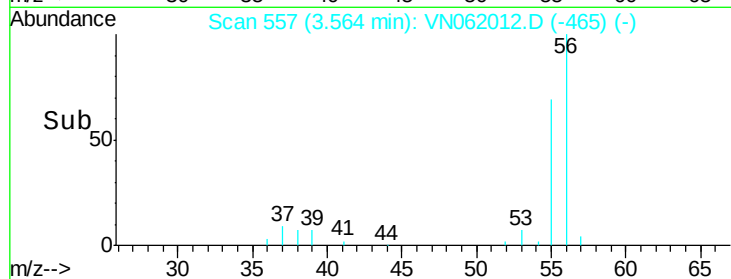
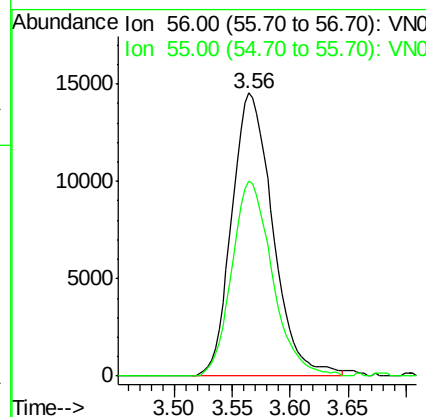
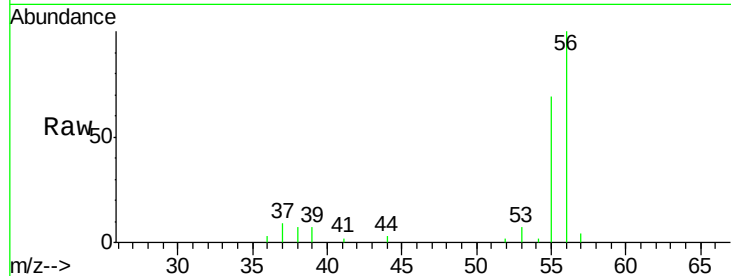
#13
Acrolein
Concen: 224.737 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	56	Resp	35701
Ion Ratio	Lower	Upper	
56	100		
55	67.9	56.2	84.4

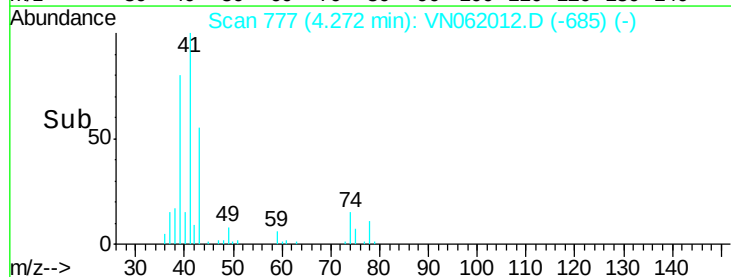
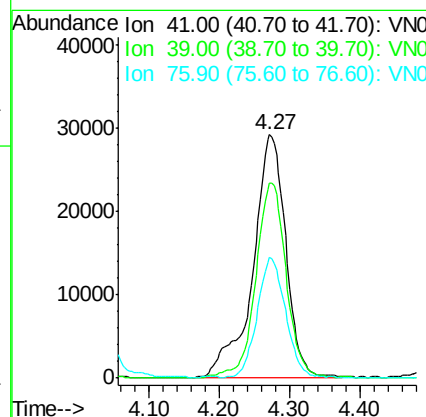
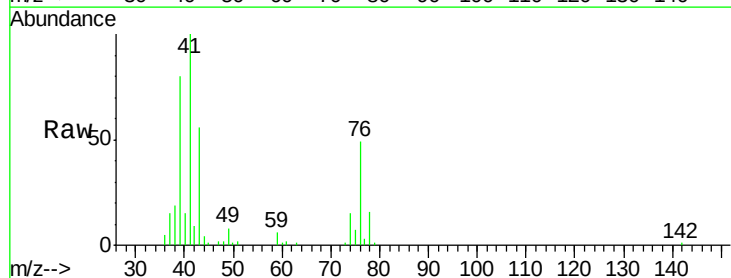
Manual Integrations
APPROVED

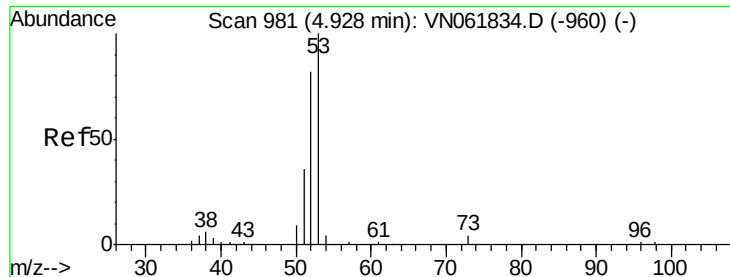
MMDadoda
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#14
Allyl chloride
Concen: 49.620 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	41	Resp	95830
Ion Ratio	Lower	Upper	
41	100		
39	73.7	60.2	90.2
76	42.6	36.3	54.5





#15

Acrylonitrile

Concen: 330.000 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

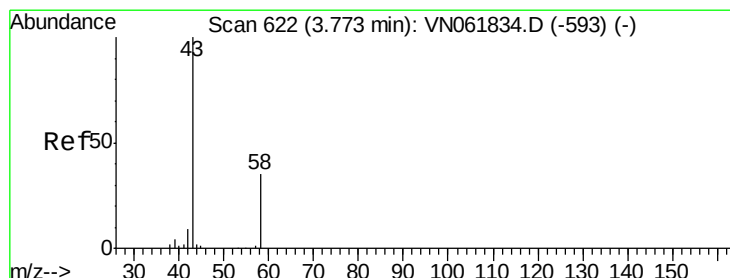
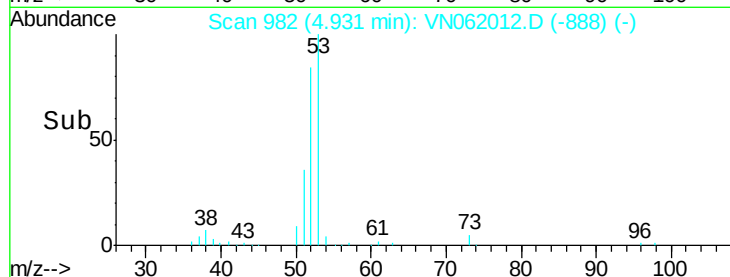
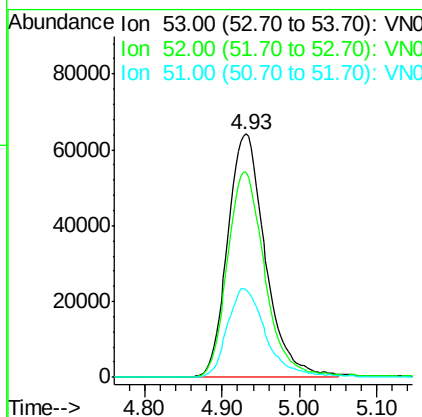
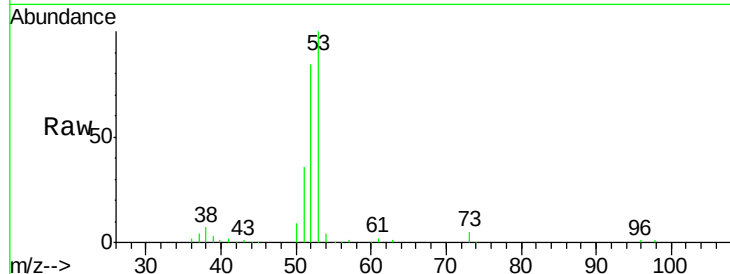
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	53	Resp:	217334
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.2	97.8
51	36.9	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 325.123 ug/l

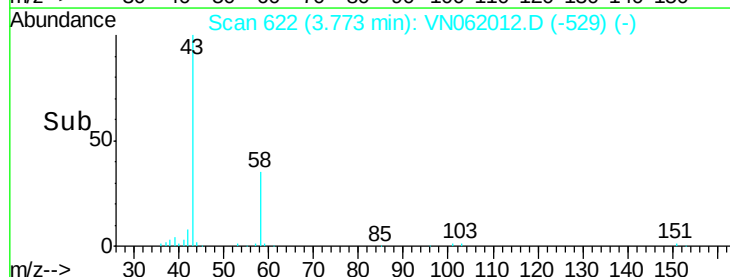
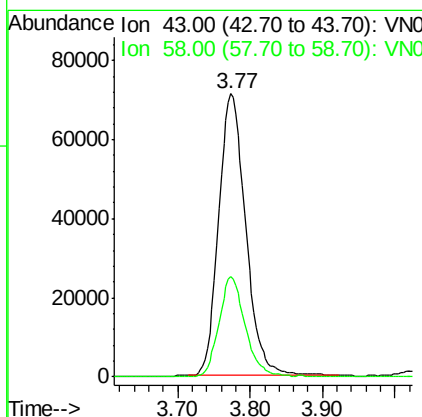
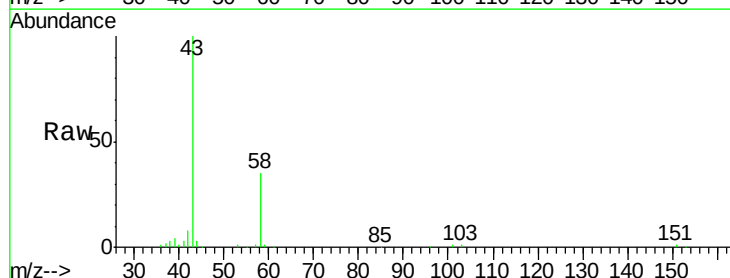
RT: 3.77 min Scan# 622

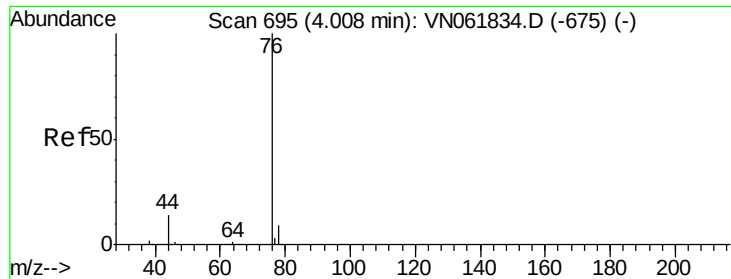
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	43	Resp:	184459
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.8	41.8





#17

Carbon Disulfide

Concen: 53.315 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 76 Resp: 227000

Ion Ratio Lower Upper

76 100

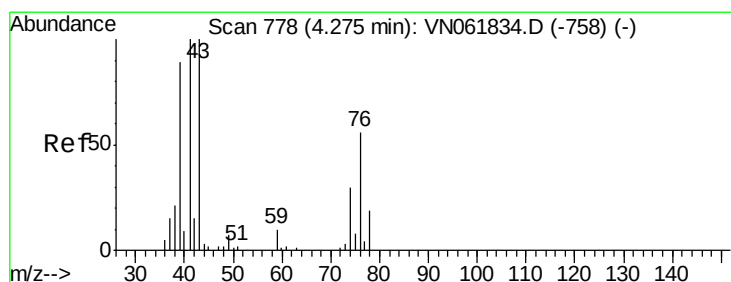
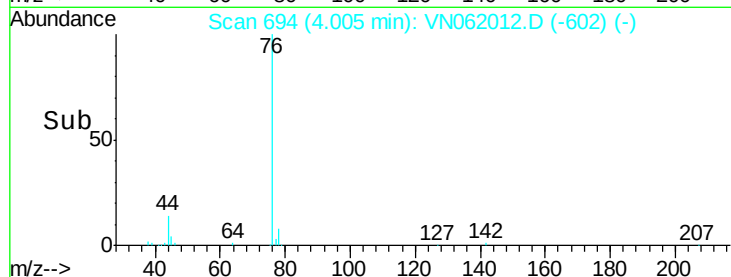
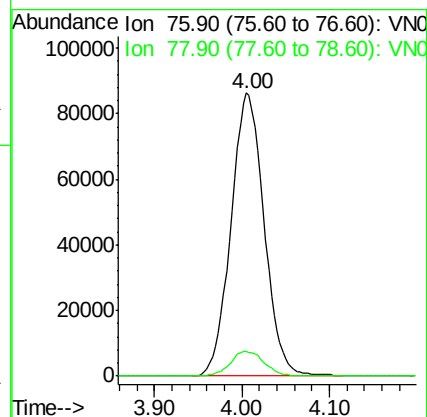
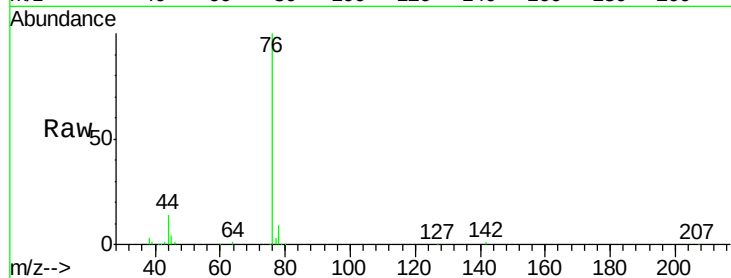
78 8.7 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 31.325 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.01 min

Lab File: VN062012.D

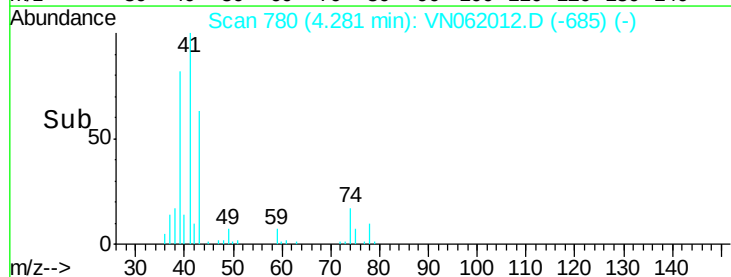
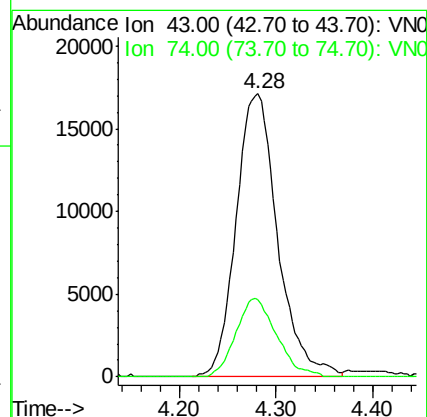
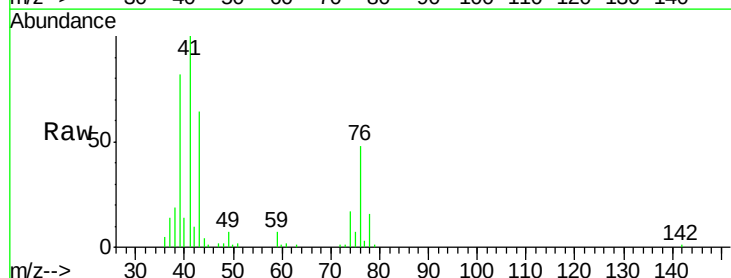
Acq: 22 Jun 2020 20:19

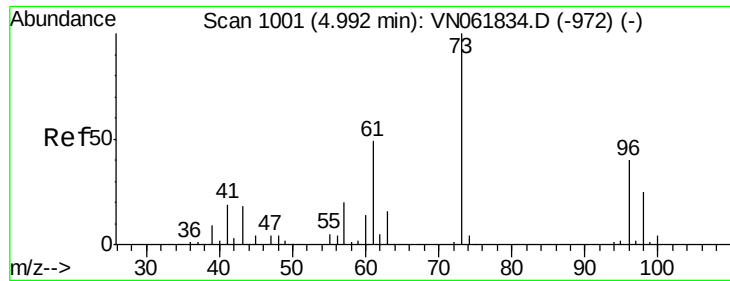
Tgt Ion: 43 Resp: 51167

Ion Ratio Lower Upper

43 100

74 27.3 23.0 34.4





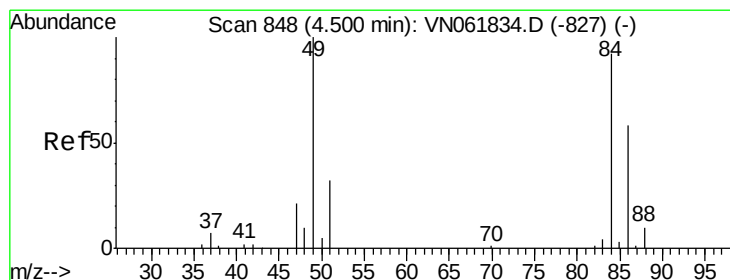
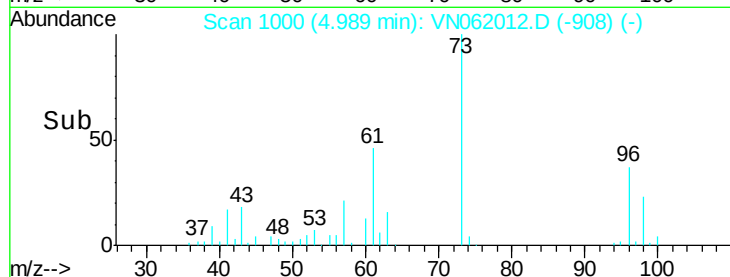
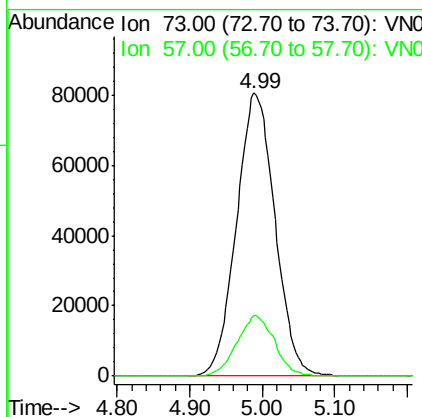
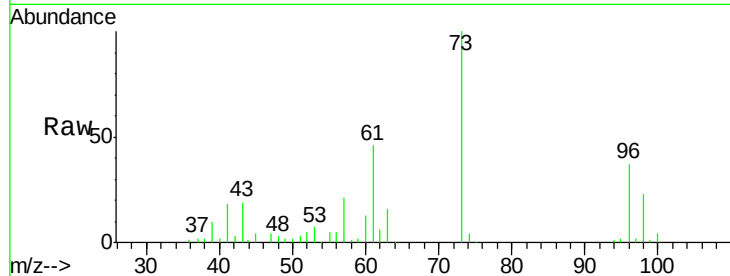
#19
Methyl tert-butyl Ether
Concen: 61.370 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion: 73 Resp: 297339
Ion Ratio Lower Upper
73 100
57 21.4 16.2 24.4

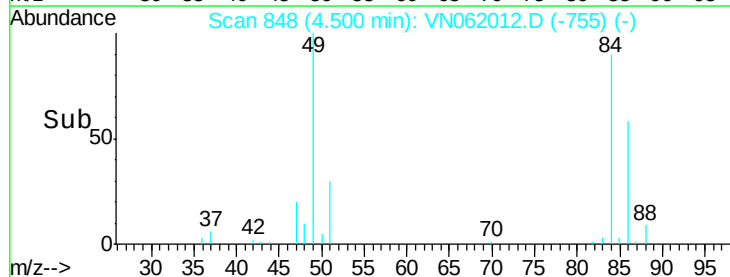
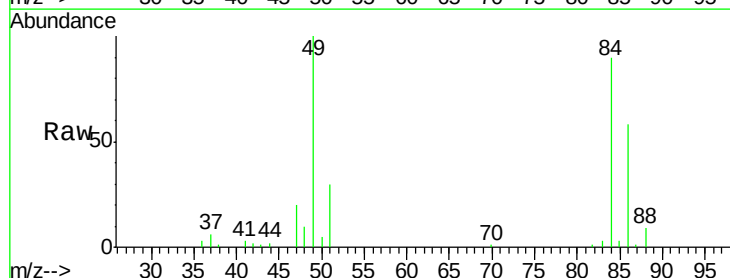
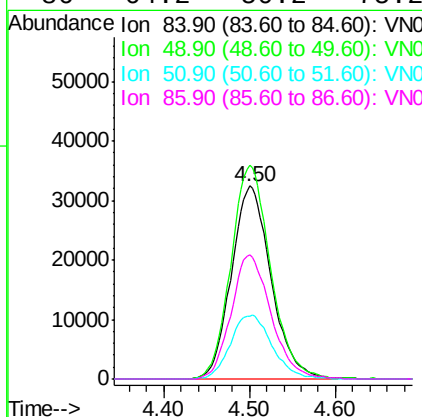
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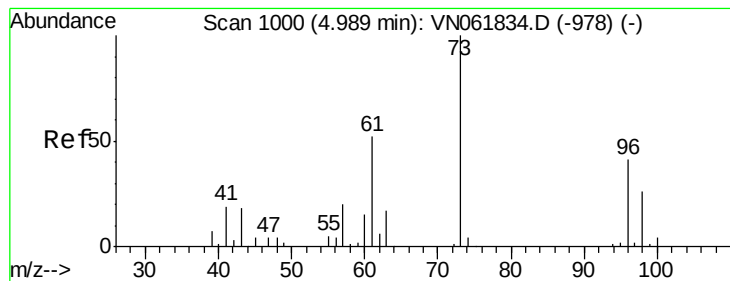
MMDadoda
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#20
Methylene Chloride
Concen: 56.329 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion: 84 Resp: 104120
Ion Ratio Lower Upper
84 100
49 110.8 87.0 130.4
51 32.8 27.8 41.6
86 64.2 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 57.107 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 96 Resp: 95449

Ion Ratio Lower Upper

96 100

61 125.6 102.2 153.4

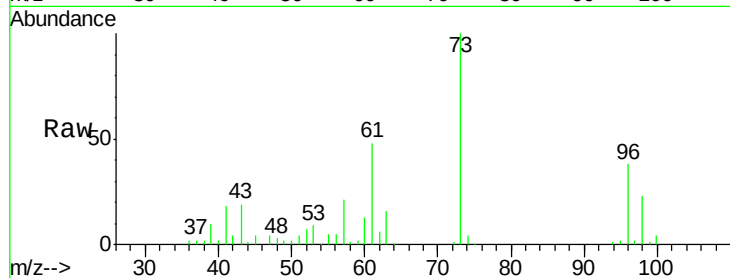
98 61.3 51.2 76.8

Manual Integrations

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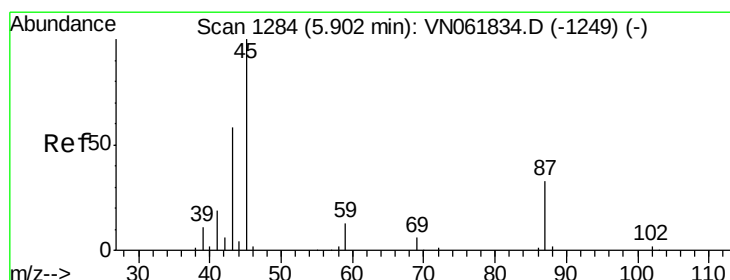
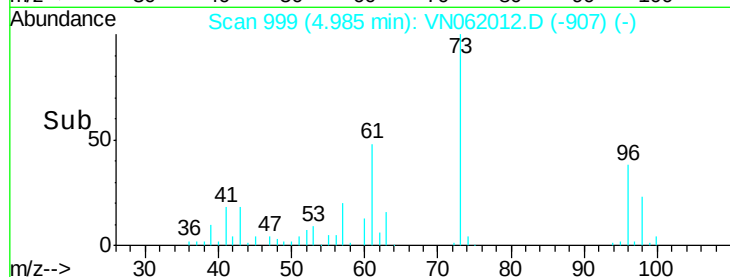
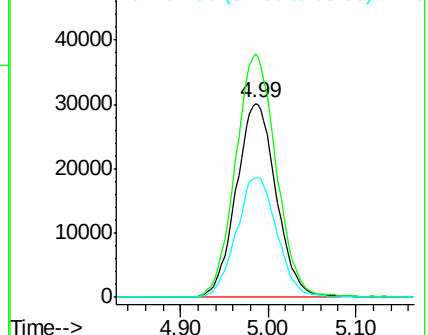


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 60.275 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion: 45 Resp: 266232

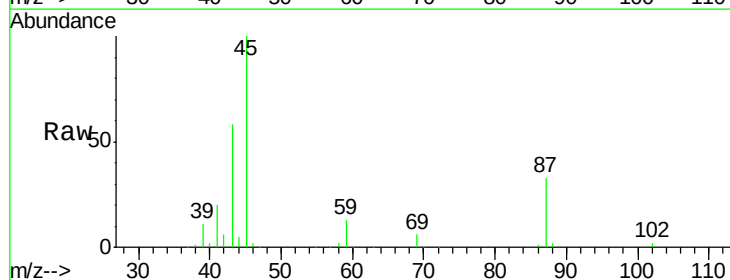
Ion Ratio Lower Upper

45 100

43 57.1 49.4 74.2

87 33.5 27.4 41.0

59 13.0 10.6 15.8



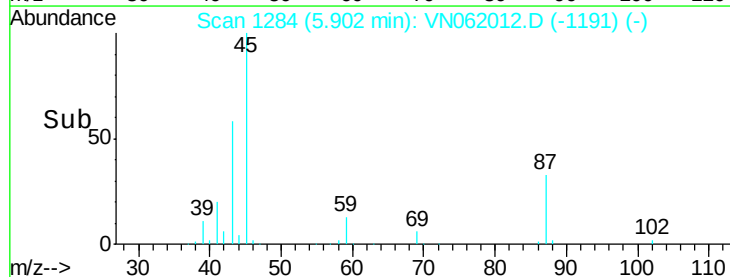
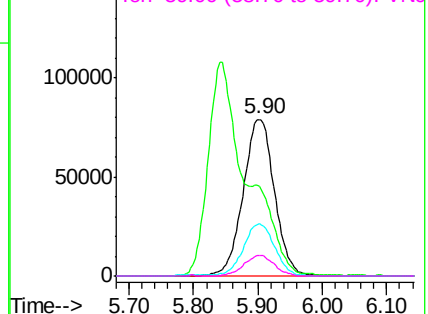
Abundance

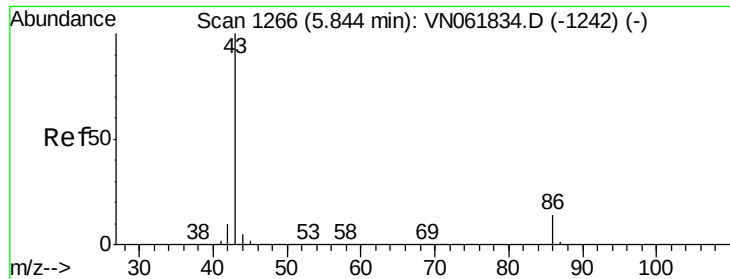
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 99.516 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 43 Resp: 345716

Ion Ratio Lower Upper

43 100

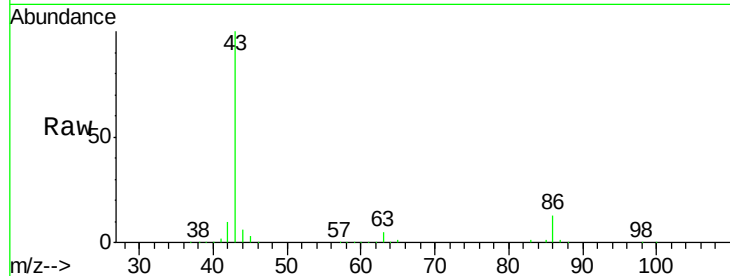
86 12.7 10.9 16.3

Manual Integrations

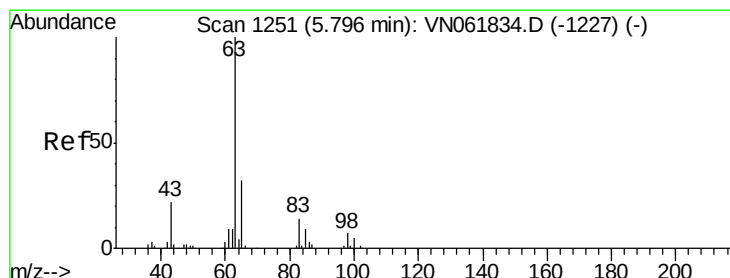
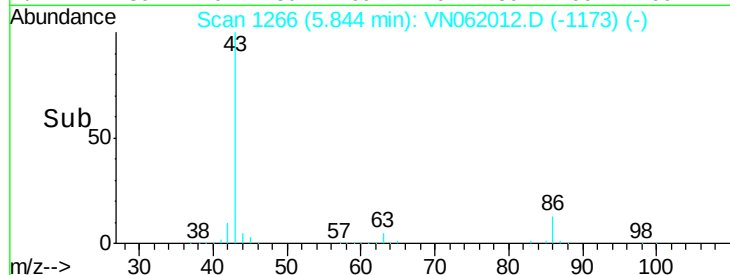
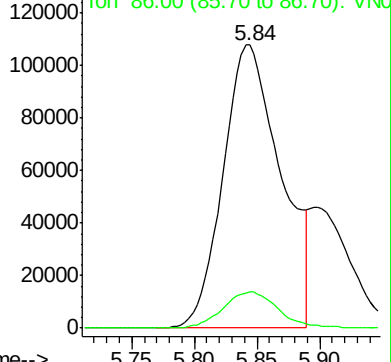
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Abundance Ion 43.00 (42.70 to 43.70): VN062012.D (-1173) (-)



#24

1,1-Dichloroethane

Concen: 60.435 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

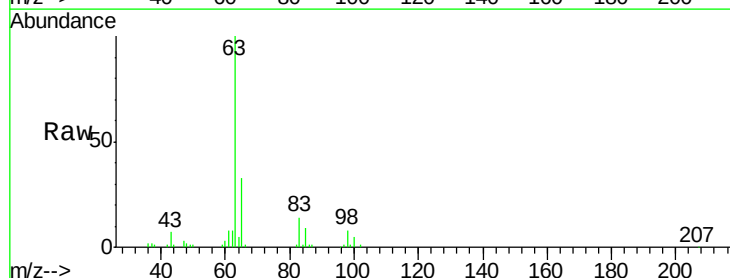
Tgt Ion: 63 Resp: 174743

Ion Ratio Lower Upper

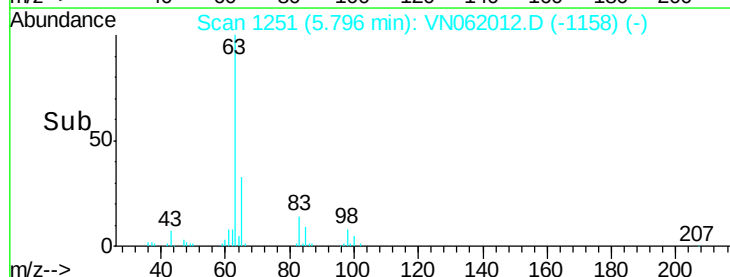
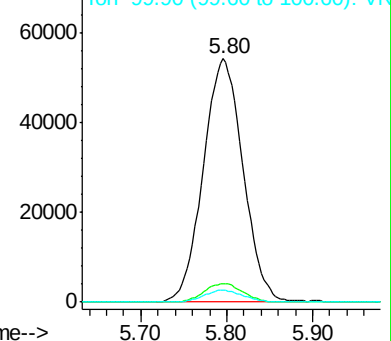
63 100

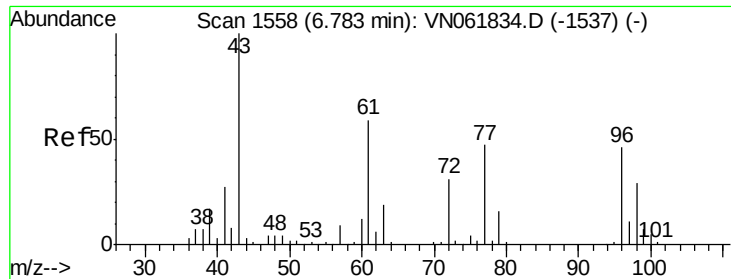
98 7.7 3.5 10.4

100 4.9 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VN062012.D (-1158) (-)





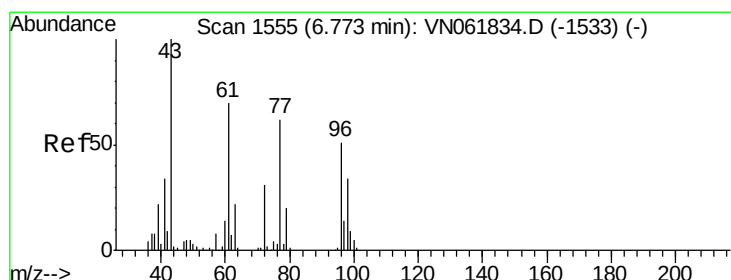
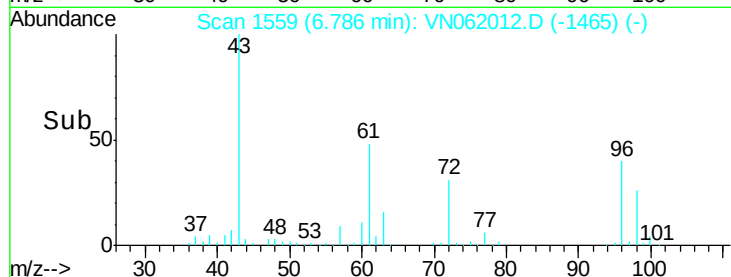
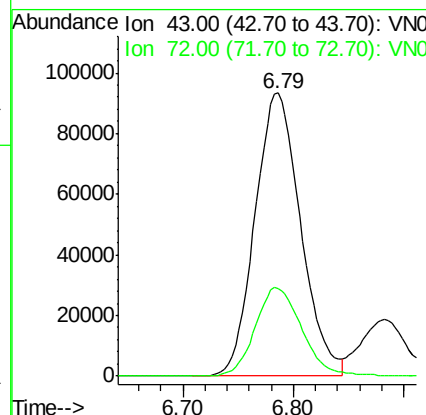
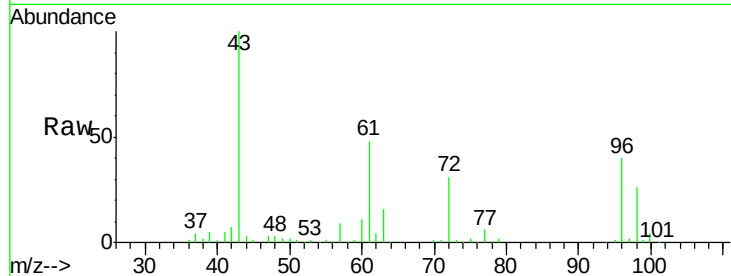
#25
2-Butanone
Concen: 324.006 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion: 43 Resp: 268201
Ion Ratio Lower Upper
43 100
72 31.1 24.6 37.0

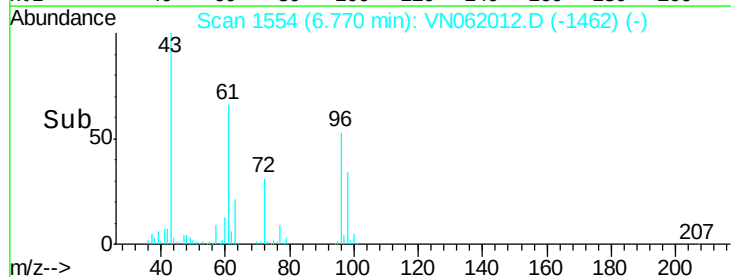
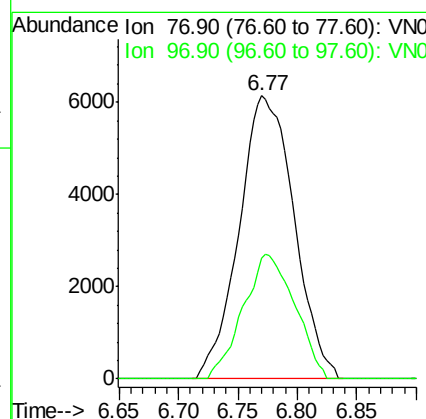
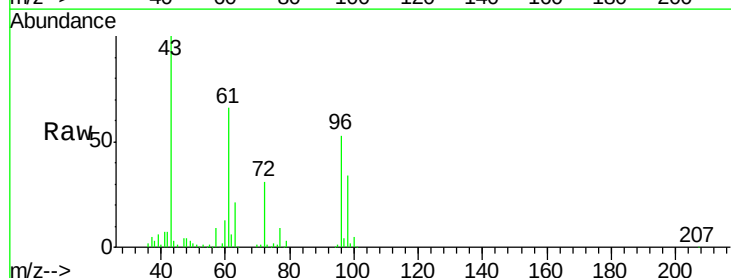
Manual Integrations
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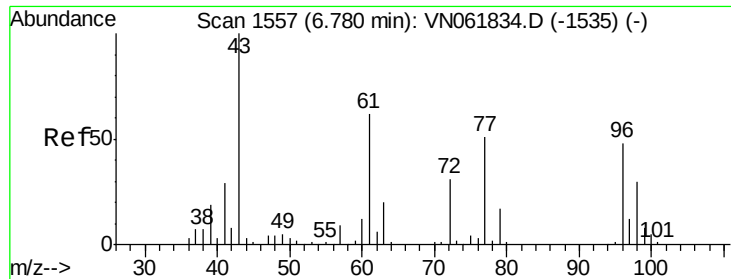
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#26
2,2-Dichloropropane
Concen: 8.079 ug/l
RT: 6.77 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion: 77 Resp: 19652
Ion Ratio Lower Upper
77 100
97 41.2 11.7 35.0#





#27

cis-1,2-Dichloroethene

Concen: 59.589 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 96 Resp: 114919

Ion Ratio Lower Upper

96 100

61 121.4 0.0 265.6

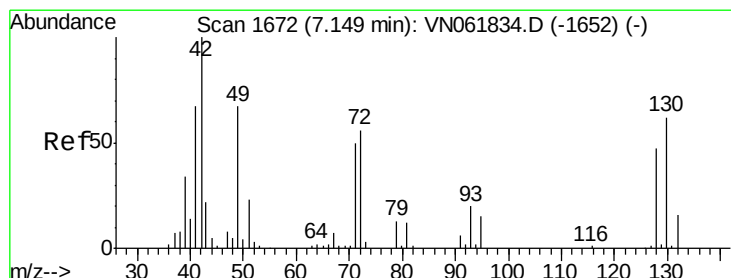
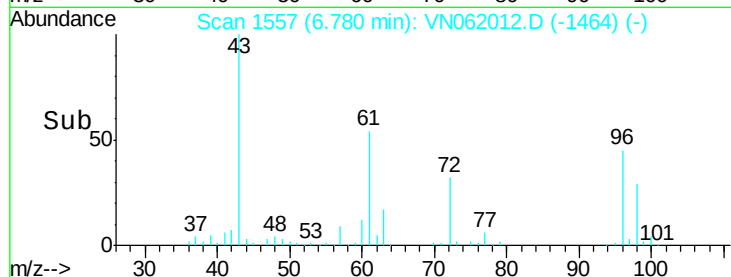
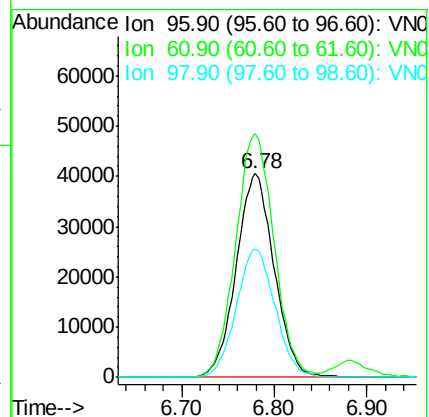
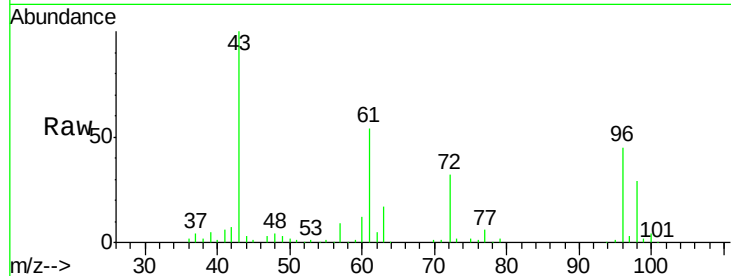
98 64.5 0.0 128.2

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#28

Bromochloromethane

Concen: 59.012 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

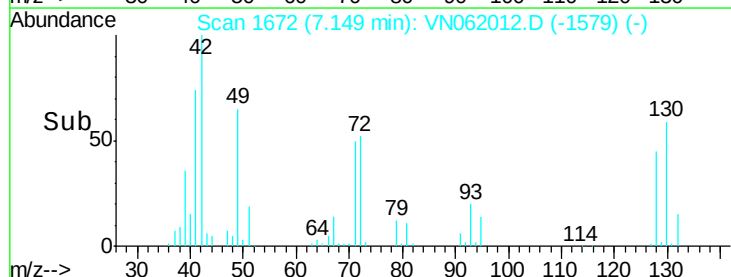
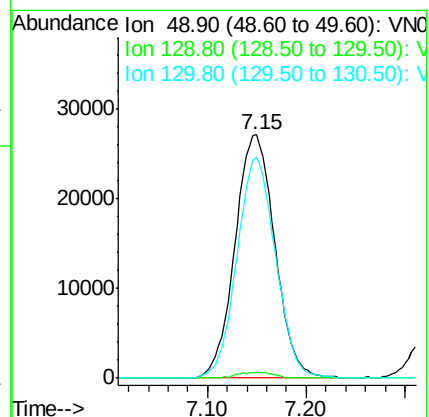
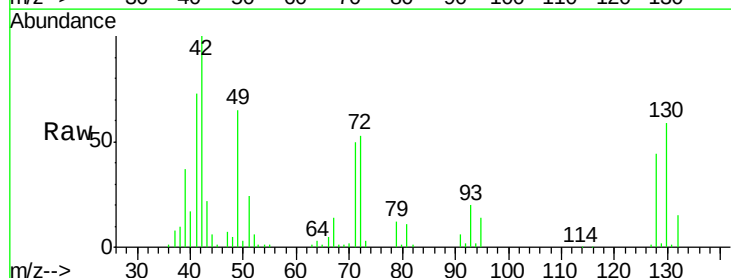
Tgt Ion: 49 Resp: 75972

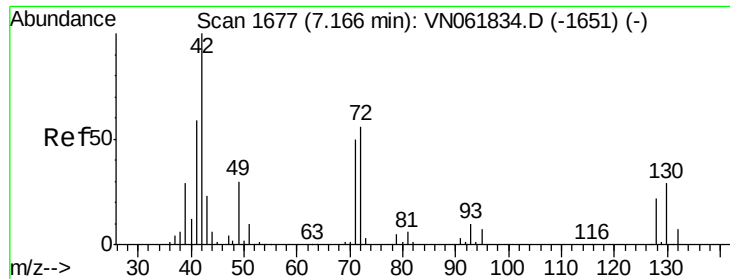
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 87.9 72.2 108.2





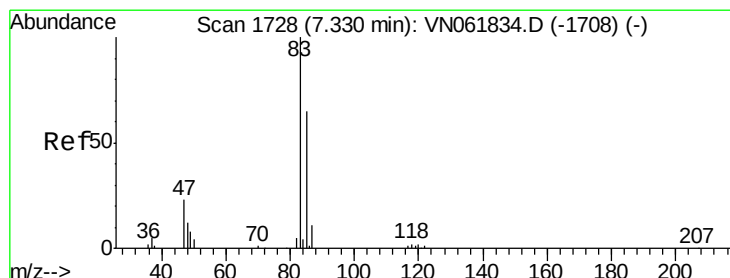
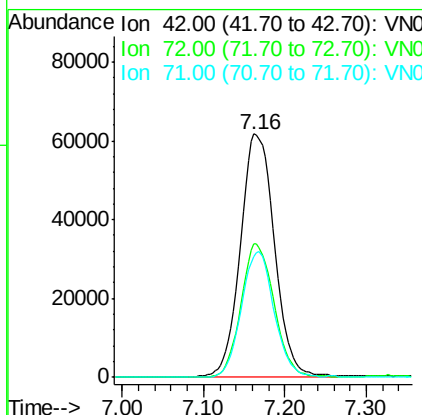
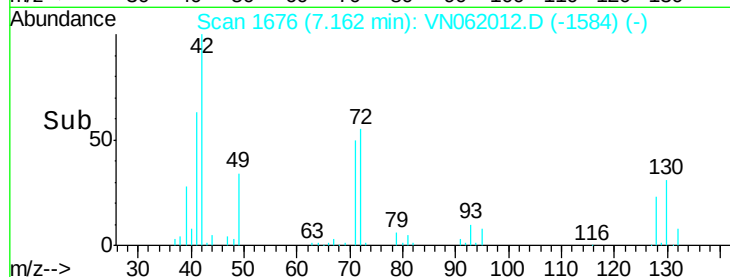
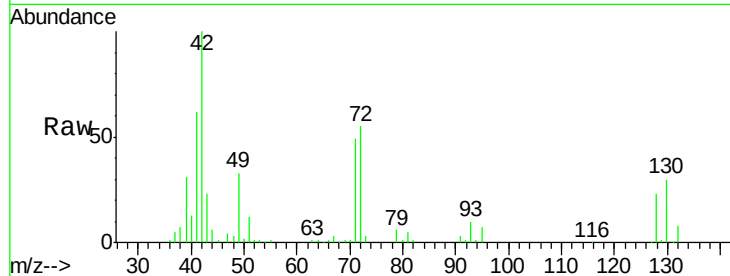
#29
Tetrahydrofuran
Concen: 328.912 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.1	44.0	66.0
71	49.3	40.0	60.0

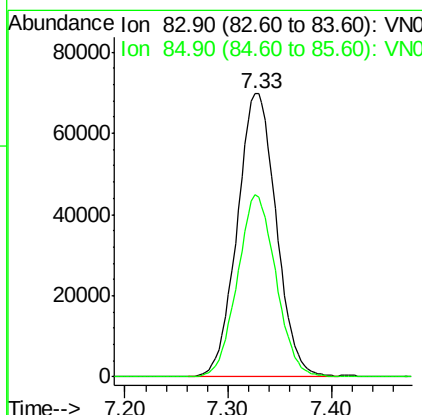
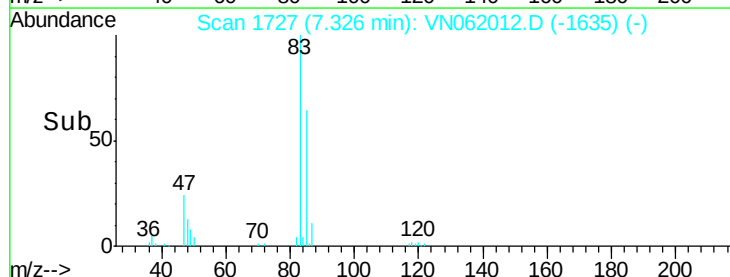
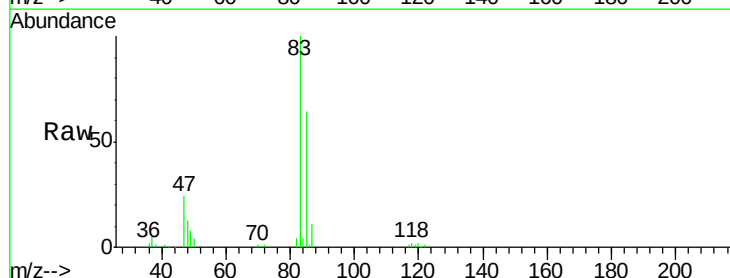
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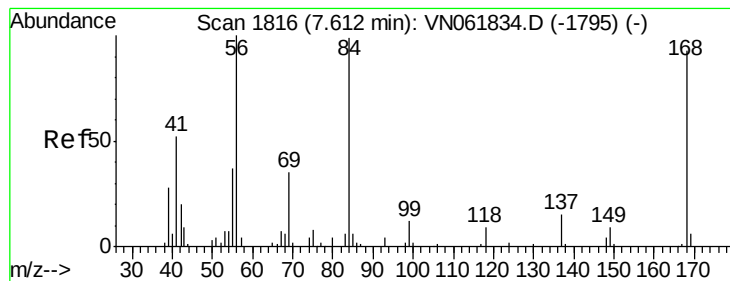
MMDadoda
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#30
Chloroform
Concen: 59.433 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.0	78.0





#31

Cyclohexane

Concen: 53.486 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

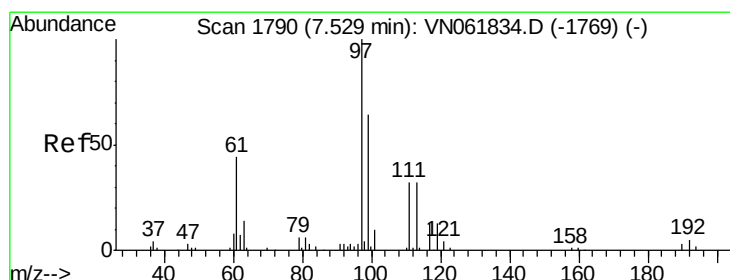
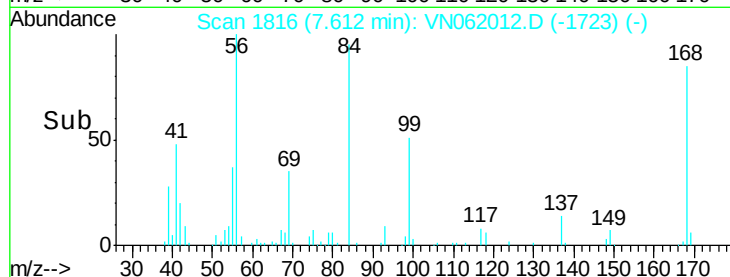
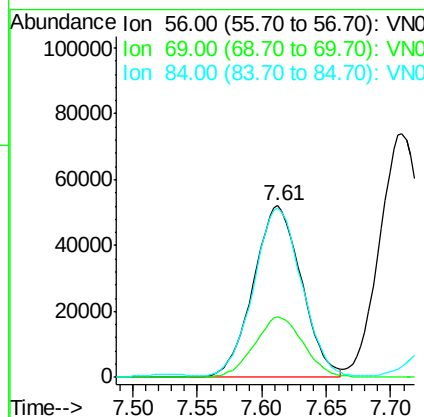
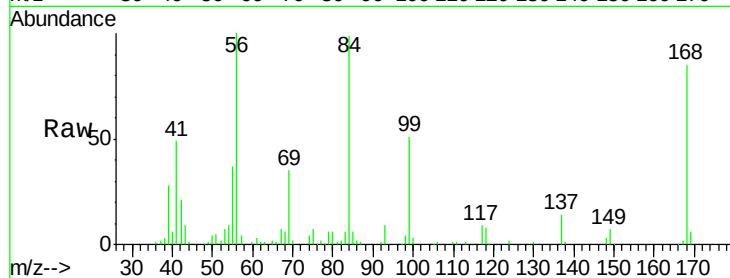
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	56	Resp:	135381
Ion Ratio	Lower	Upper	
56	100		
69	35.0	27.7	41.5
84	97.8	79.1	118.7

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#32

1,1,1-Trichloroethane

Concen: 58.170 ug/l

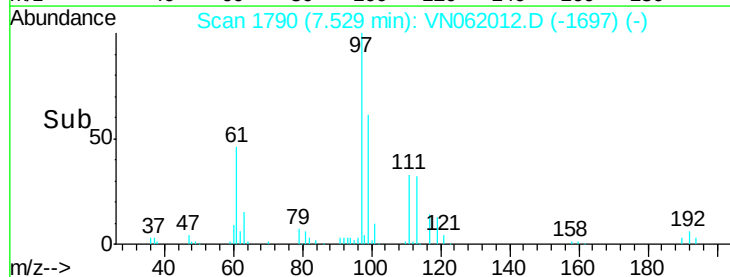
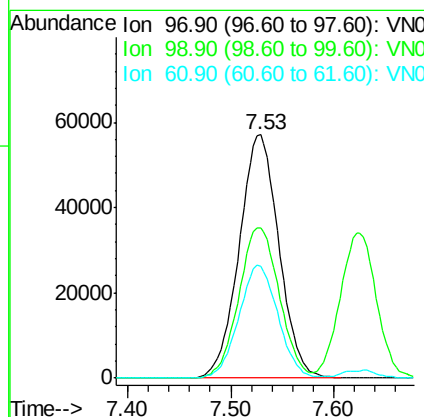
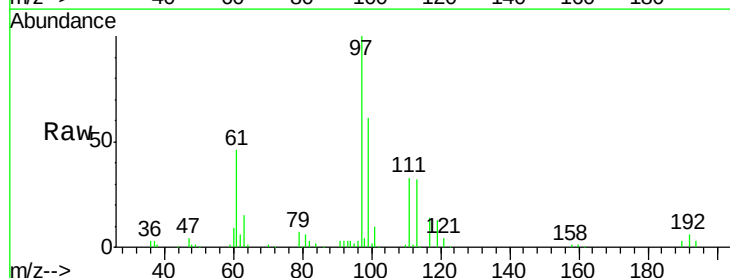
RT: 7.53 min Scan# 1790

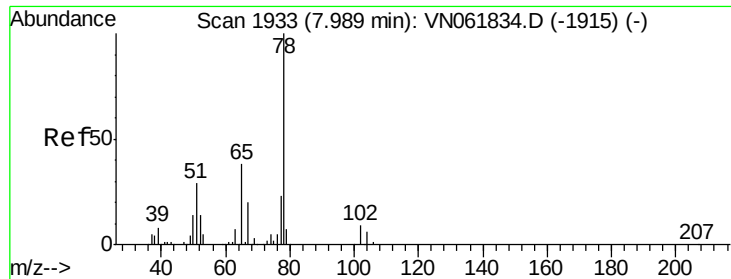
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	97	Resp:	153085
Ion Ratio	Lower	Upper	
97	100		
99	63.0	51.5	77.3
61	45.7	35.1	52.7





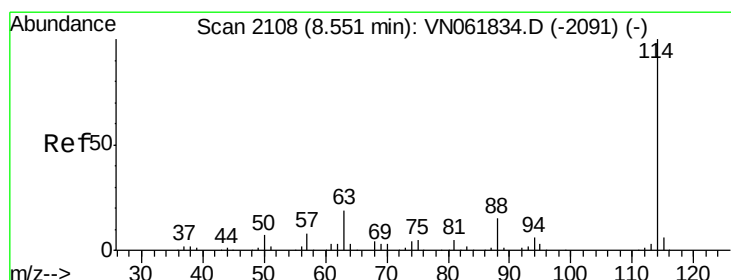
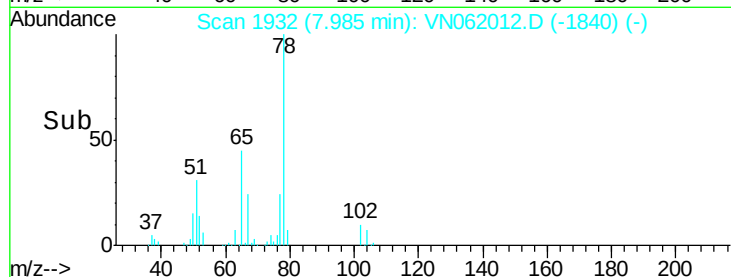
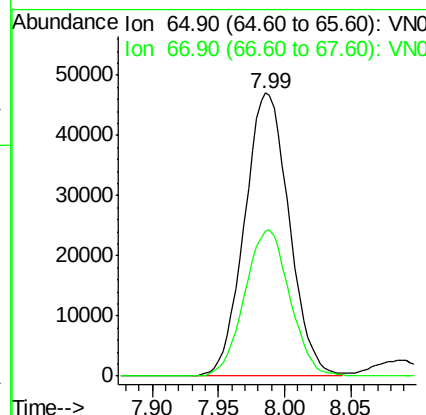
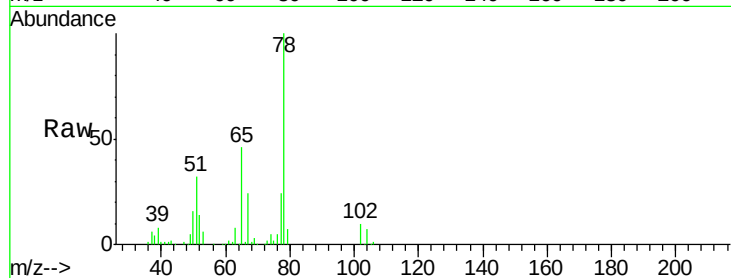
#33
 1,2-Dichloroethane-d4
 Concen: 57.306 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	106.2

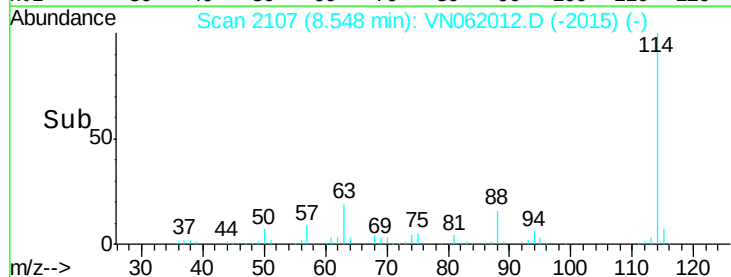
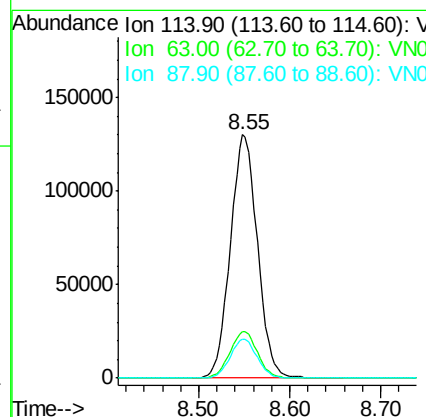
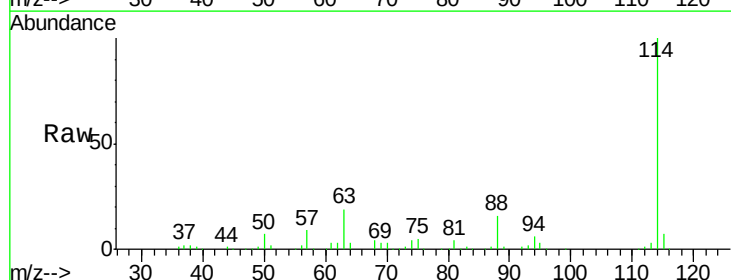
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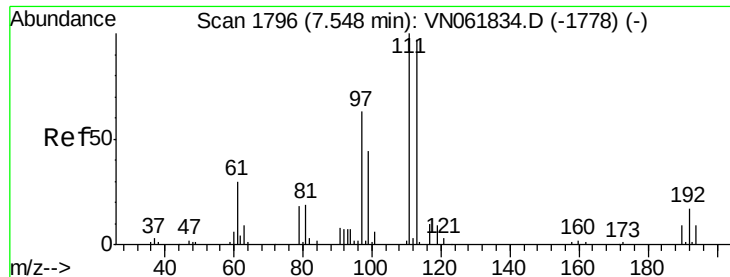
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.6
88	16.2	0.0	31.0





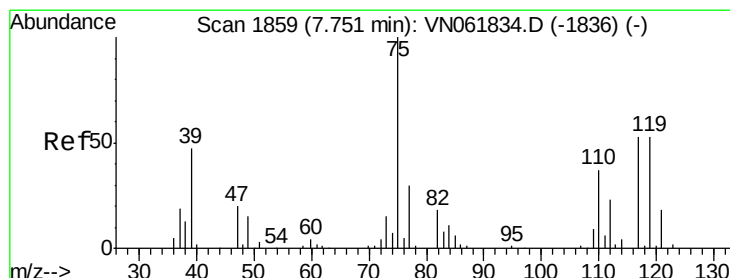
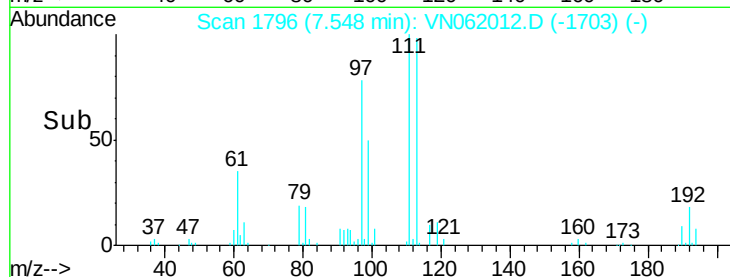
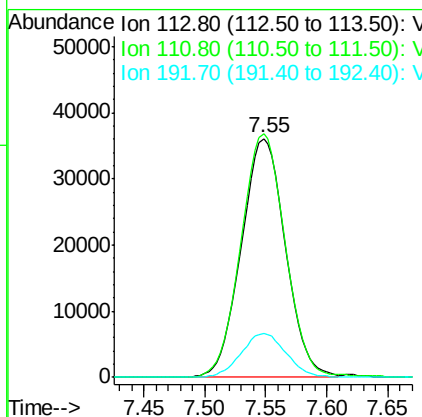
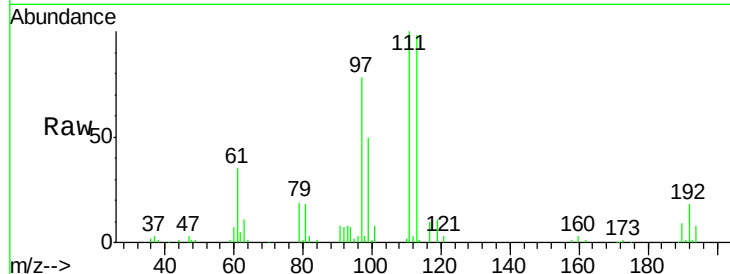
#35
 Dibromofluoromethane
 Concen: 52.426 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	90299		
111	102.8		83.7	125.5
192	18.7		13.9	20.9

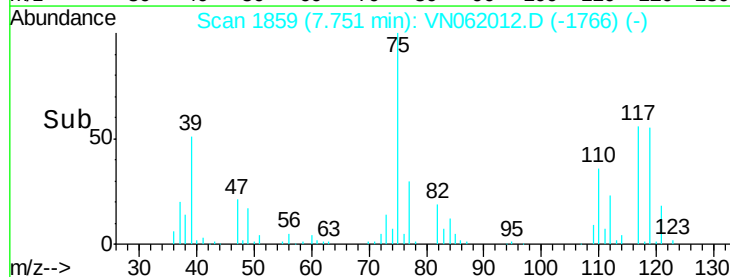
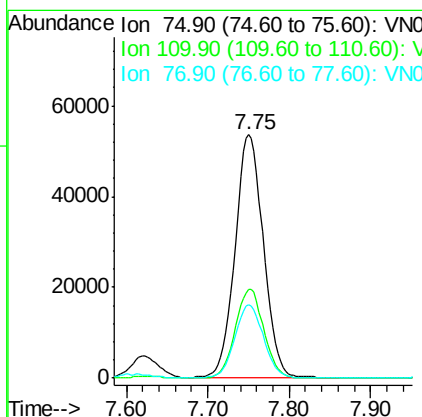
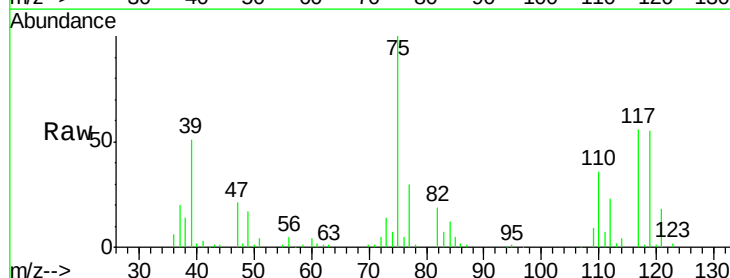
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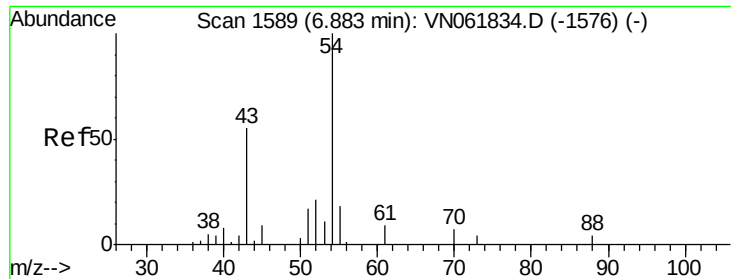
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#36
 1,1-Dichloropropene
 Concen: 52.881 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129861		
110	36.5		18.2	54.6
77	30.4		24.2	36.4





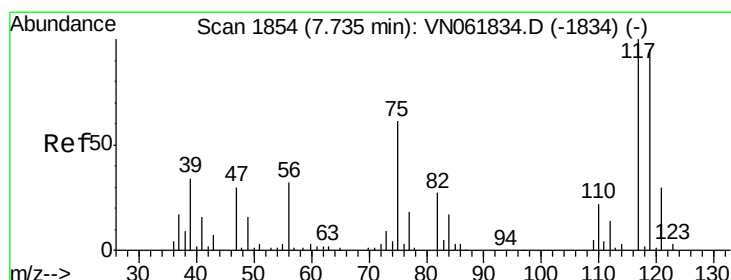
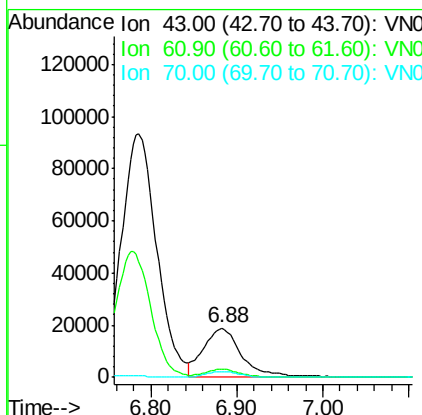
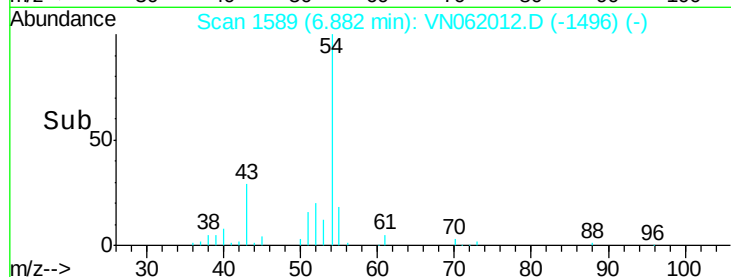
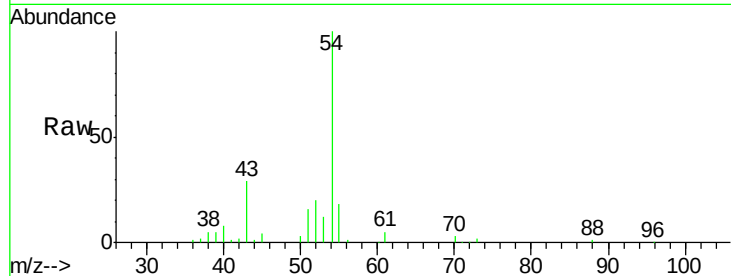
#37
Ethyl Acetate
Concen: 29.996 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	43	61	70
Resp	57523		
Ratio	100	13.9	10.9
Lower		13.0	9.4
Upper		19.4	14.2

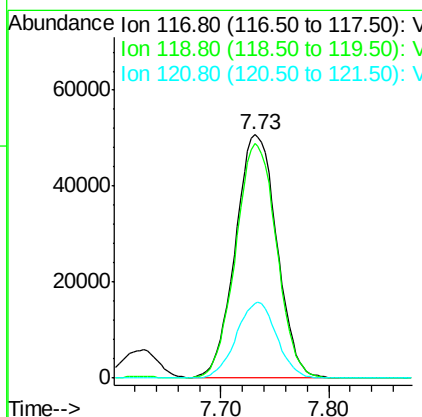
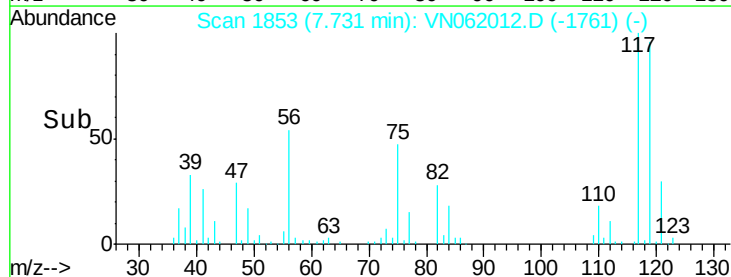
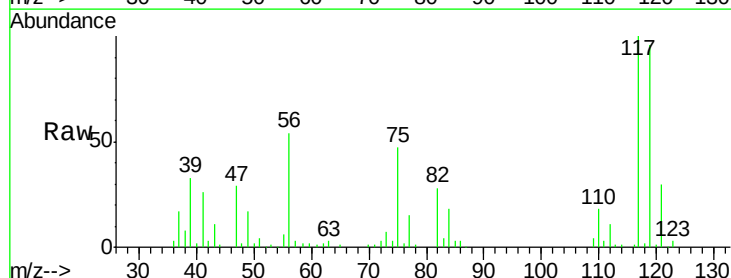
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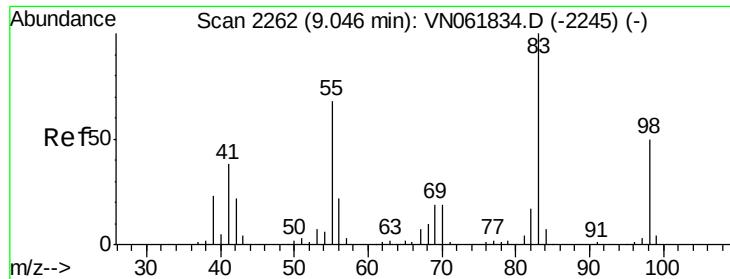
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#38
Carbon Tetrachloride
Concen: 55.834 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	117	119	121
Resp	135780		
Ratio	100	96.2	30.5
Lower		75.8	23.8
Upper		113.6	35.6





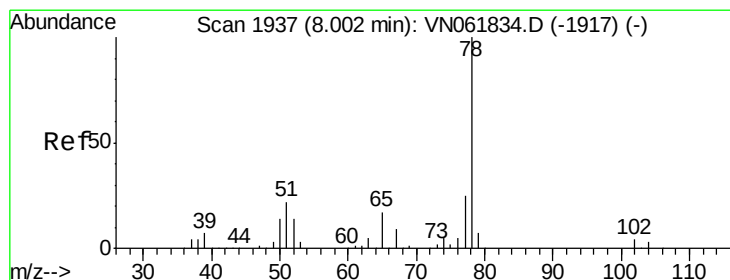
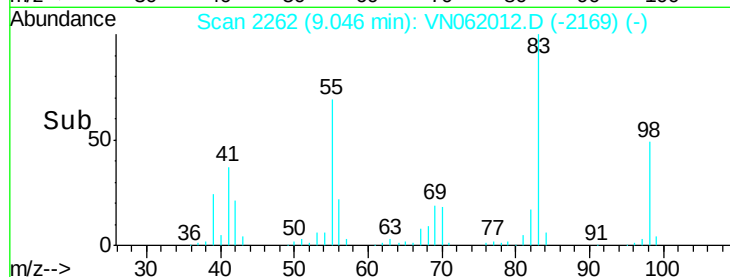
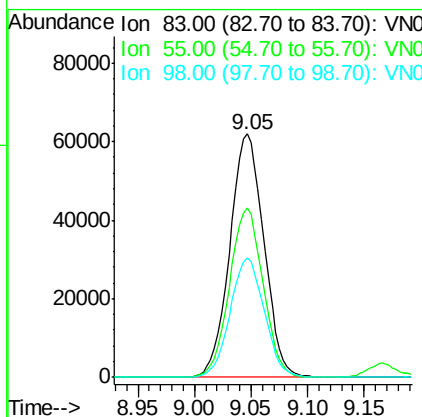
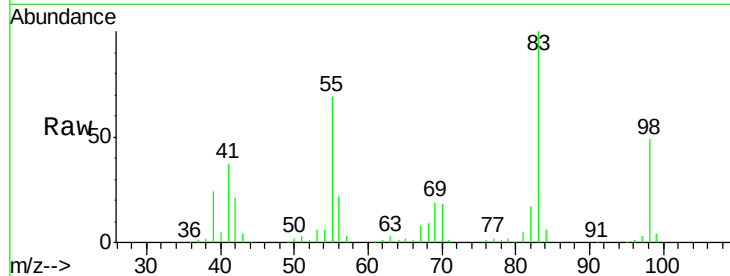
#39
Methylvlcyclohexane
Concen: 49.136 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	83	Resp	129930
Ion Ratio	100	Lower	Upper
83	100		
55	69.5	54.2	81.4
98	49.0	39.8	59.6

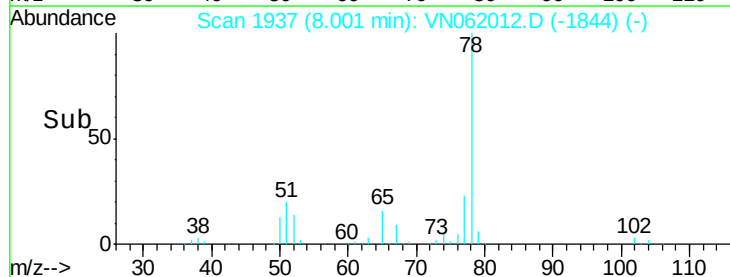
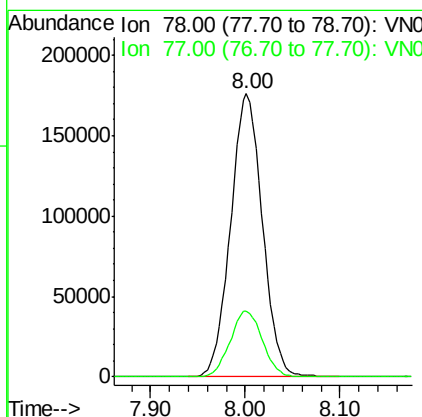
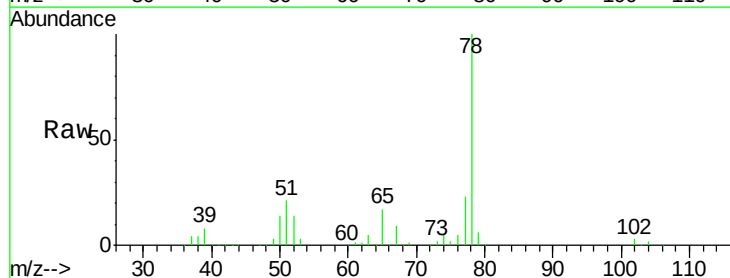
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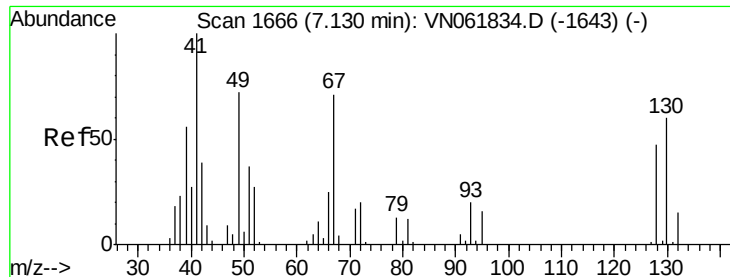
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#40
Benzene
Concen: 55.323 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	78	Resp	411543
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	19.7	29.5





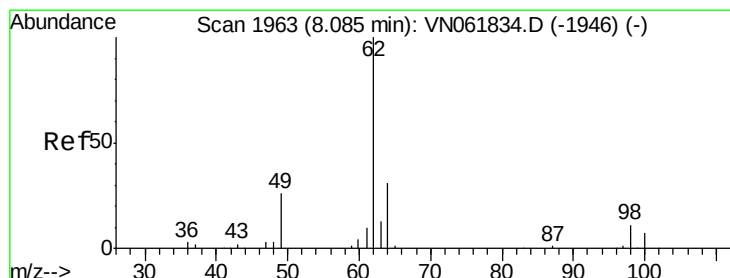
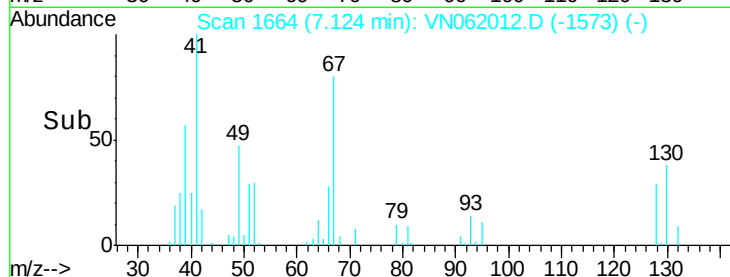
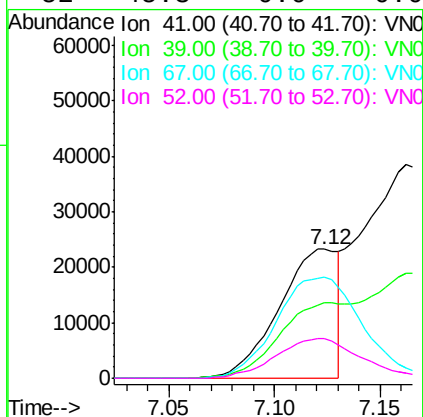
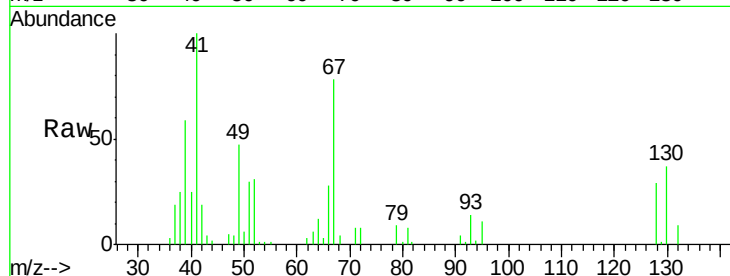
#41
Methacrylonitrile
Concen: 54.993 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	0.0	0.0#
67	115.4	0.0	0.0#
52	45.3	0.0	0.0#

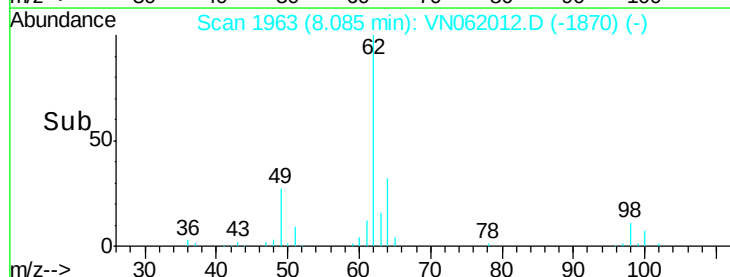
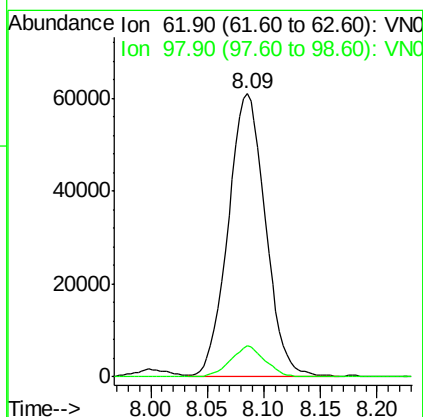
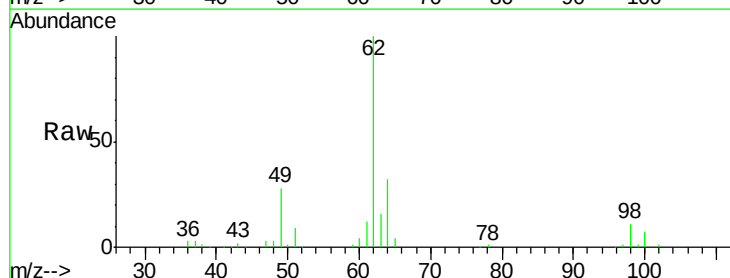
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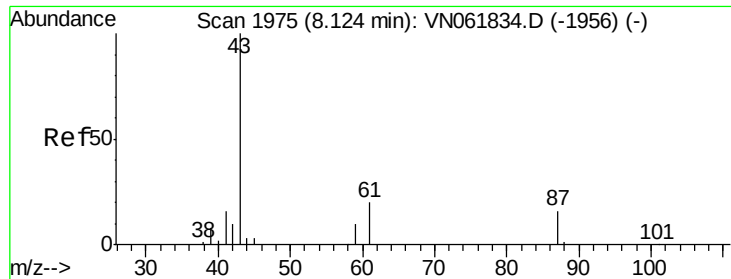
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.951 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.4





#43

Isopropyl Acetate

Concen: 37.600 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

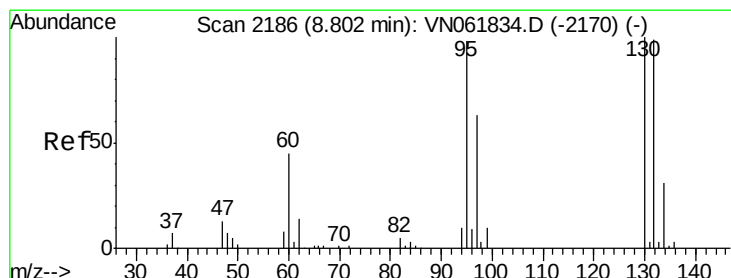
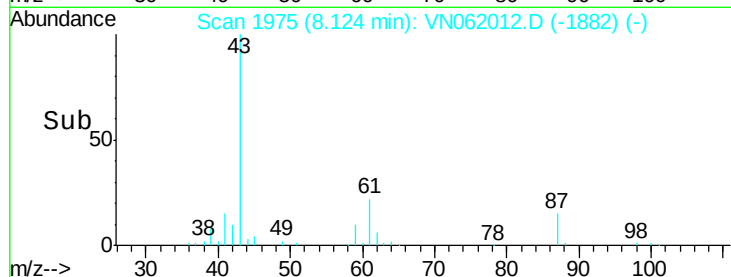
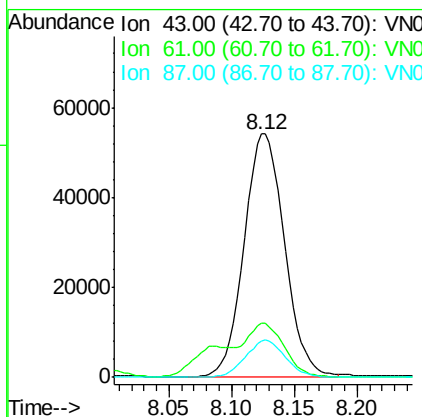
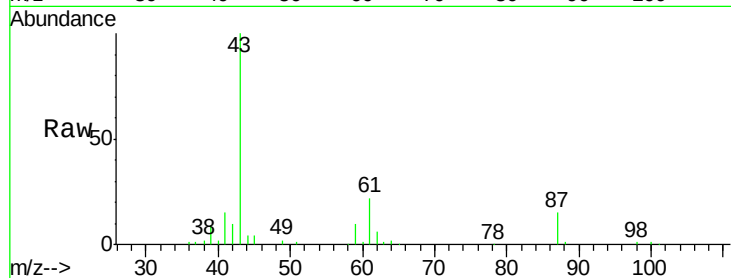
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	43	Resp:	121513
Ion	Ratio	Lower	Upper
43	100		
61	20.9	24.0	36.0#
87	15.0	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 221.935 ug/l

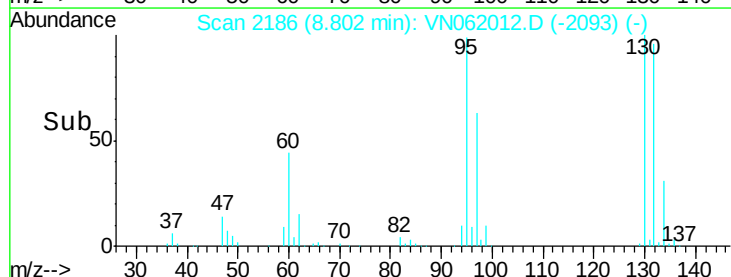
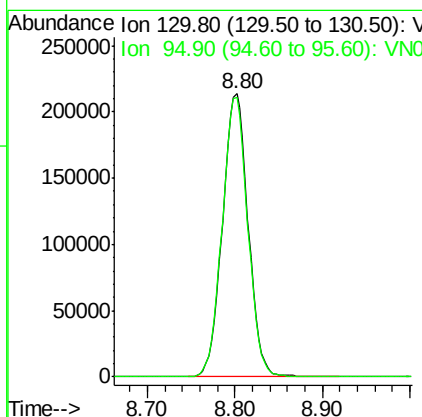
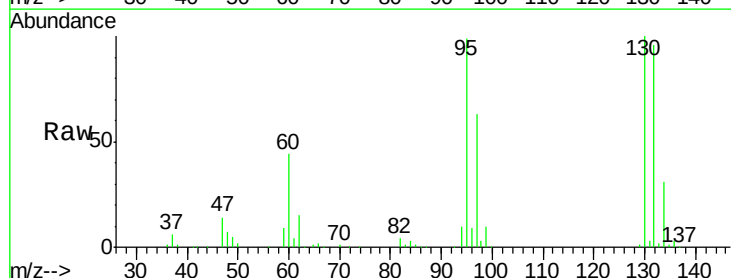
RT: 8.80 min Scan# 2186

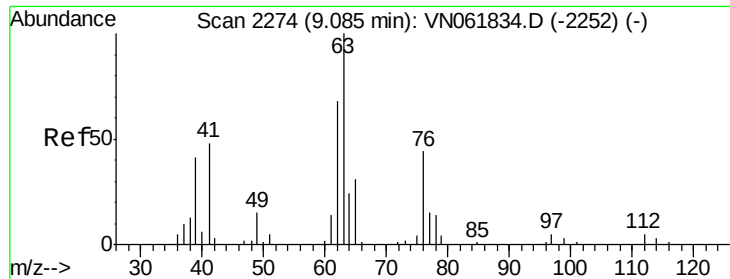
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	130	Resp:	434491
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	195.6





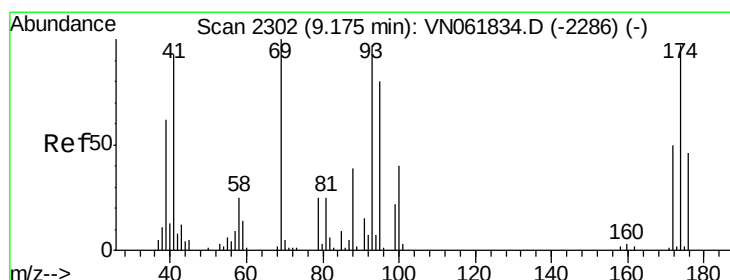
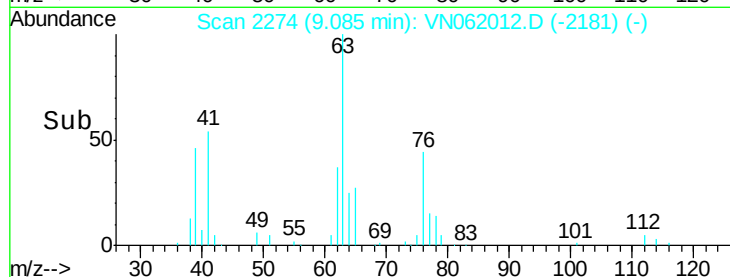
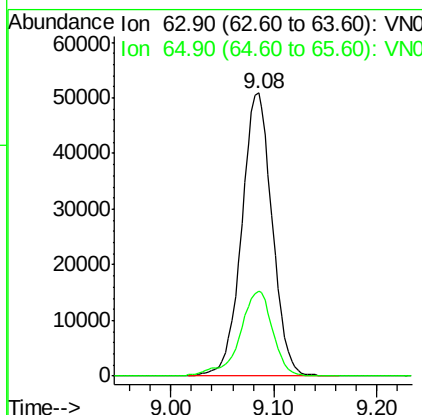
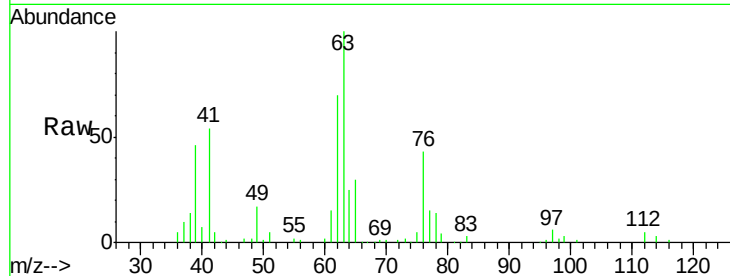
#45
 1,2-Dichloropropane
 Concen: 57.171 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion: 63 Resp: 104516
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.1 37.7

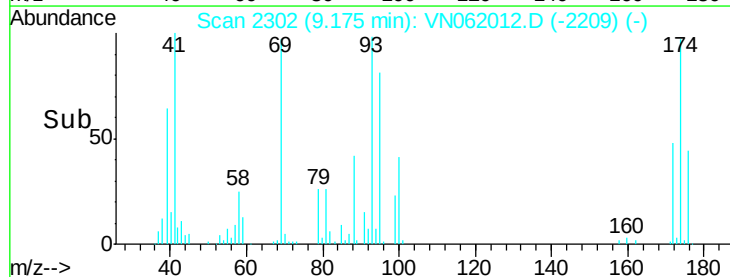
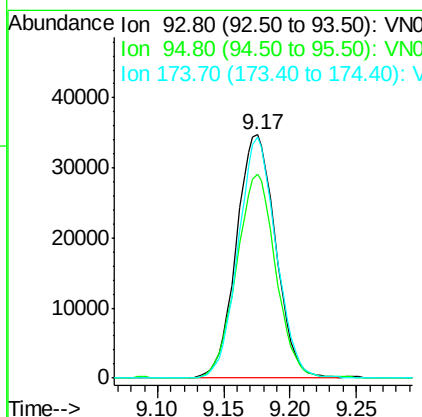
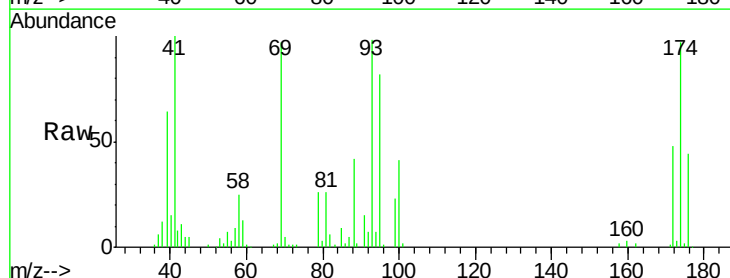
Manual Integrations
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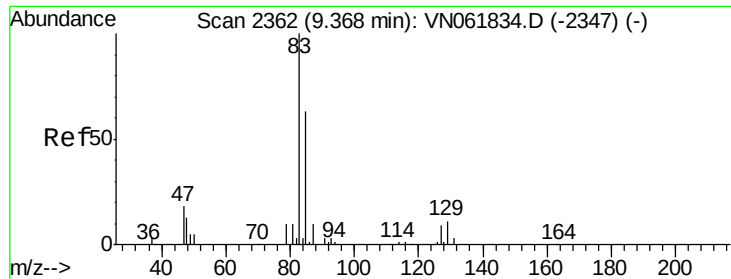
MMDadoda
 6/23/2020 12:47:32 PM



#46
 Dibromomethane
 Concen: 55.483 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion: 93 Resp: 71426
 Ion Ratio Lower Upper
 93 100
 95 83.2 65.8 98.6
 174 95.4 78.5 117.7





#47

Bromodichloromethane

Concen: 54.769 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

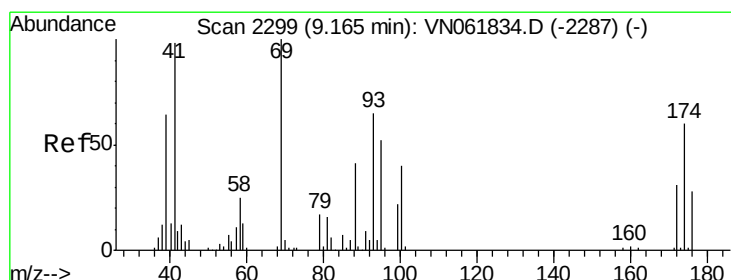
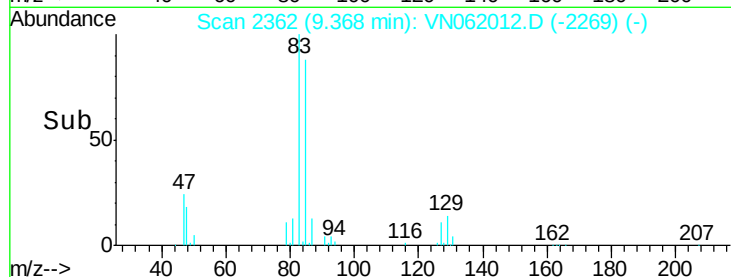
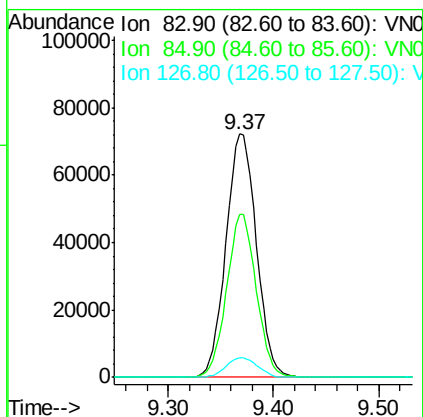
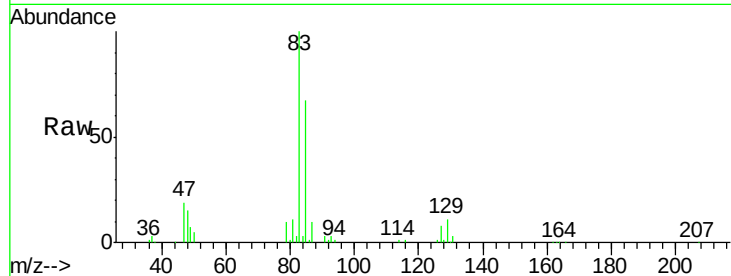
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	83	Resp:	144374
Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.8	76.2
127	8.3	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.640 ug/l

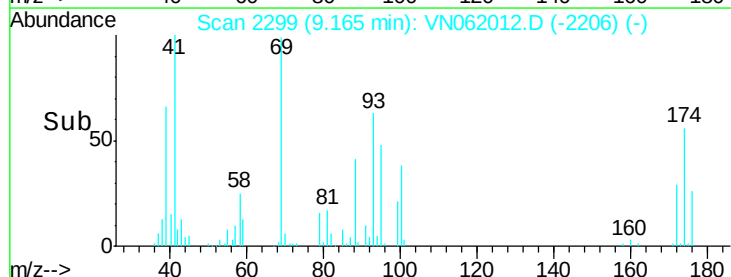
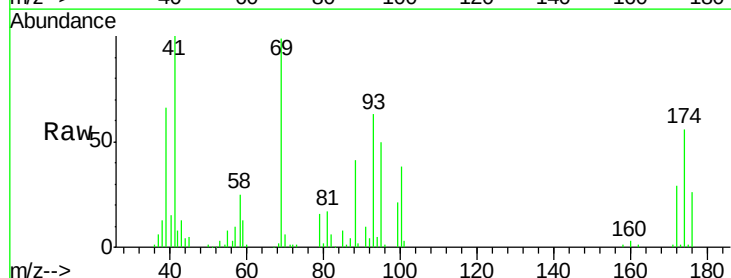
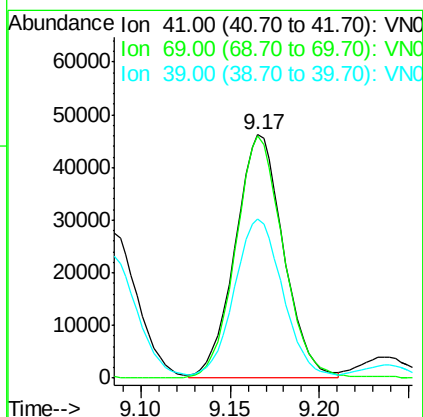
RT: 9.17 min Scan# 2299

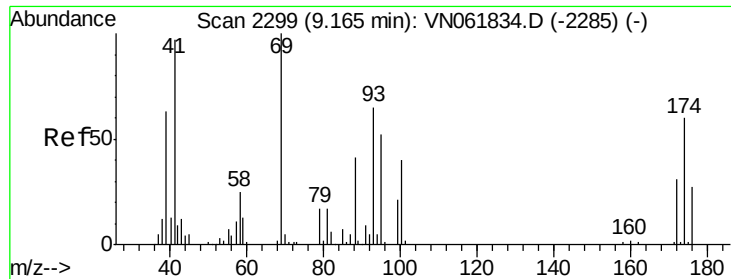
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	41	Resp:	87651
Ion	Ratio	Lower	Upper
41	100		
69	98.1	83.0	124.4
39	65.2	55.1	82.7





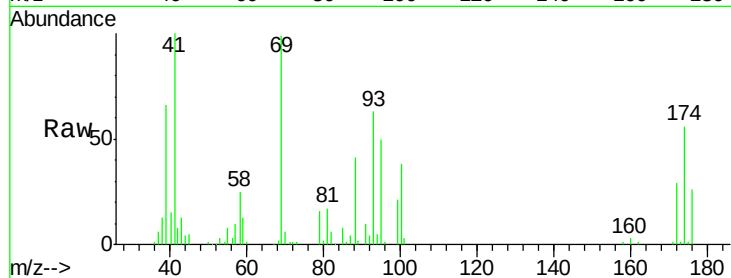
#49
1,4-Dioxane
Concen: 1183.626 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.2	23.4	35.2
58	60.9	49.8	74.6

Manual Integrations
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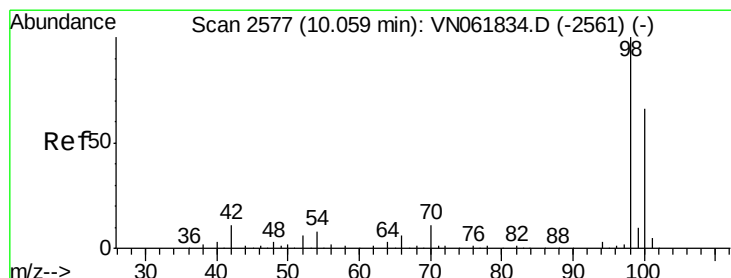
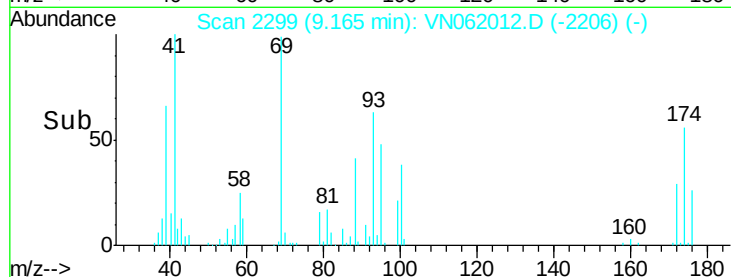
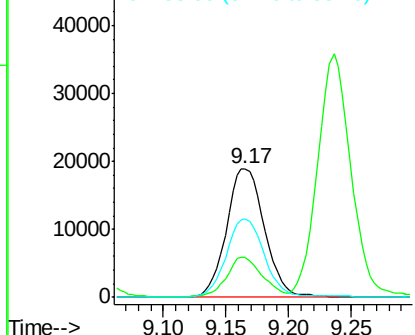
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Abundance Ion 88.00 (87.70 to 88.70): VN062012.D (-2206) (-)

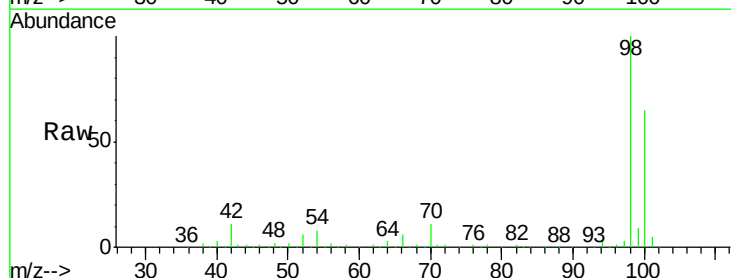
Ion 43.00 (42.70 to 43.70): VN062012.D (-2206) (-)

Ion 58.00 (57.70 to 58.70): VN062012.D (-2206) (-)



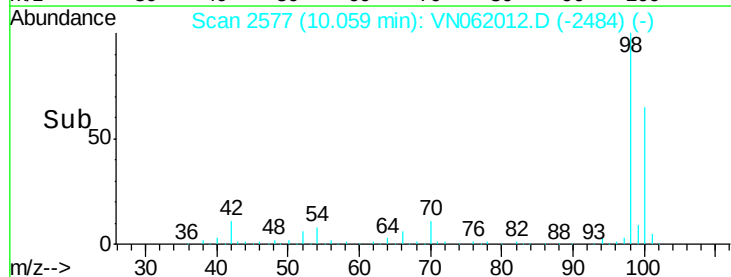
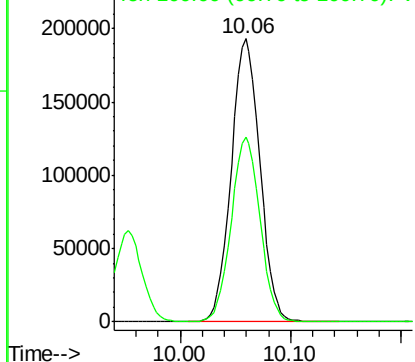
#50
Toluene-d8
Concen: 51.690 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

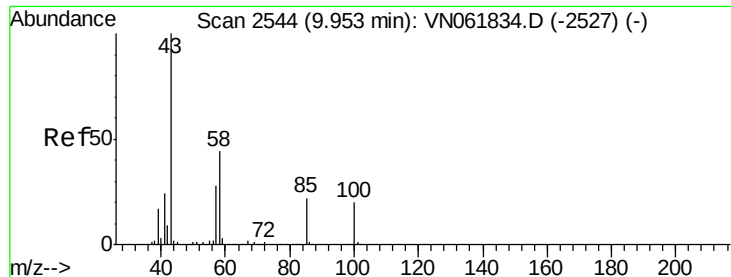
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.7	79.1



Abundance Ion 98.00 (97.70 to 98.70): VN062012.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062012.D (-2484) (-)





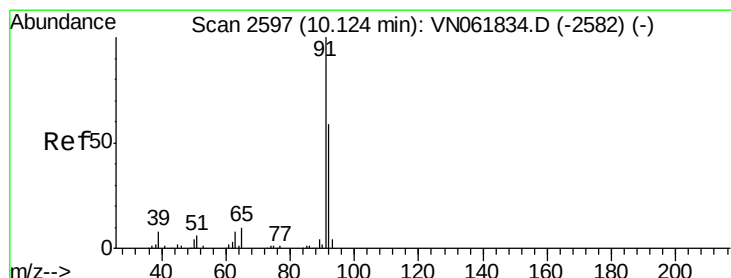
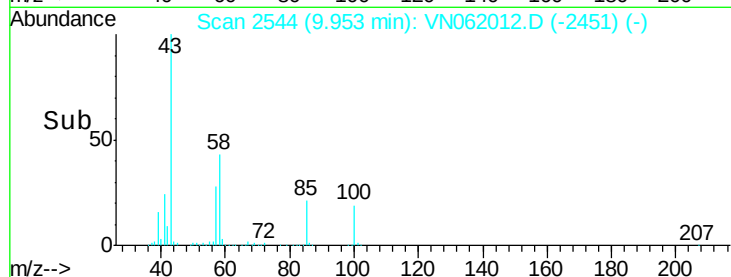
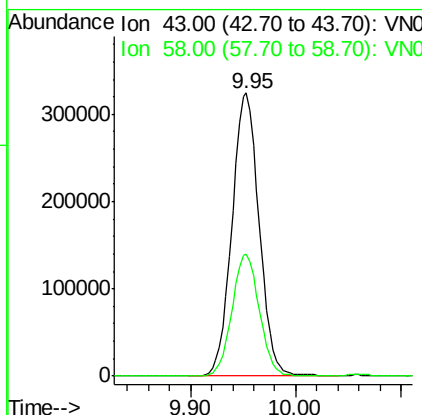
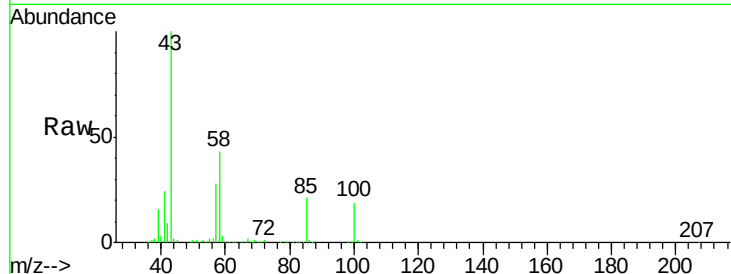
#51
4-Methyl-2-Pentanone
Concen: 302.345 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	43	Resp	577404
Ion Ratio	100	Lower	Upper
43	100		
58	43.3	34.6	52.0

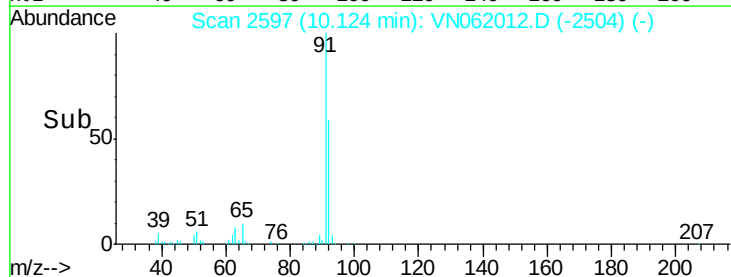
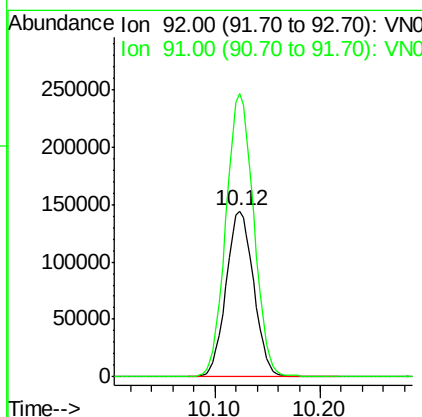
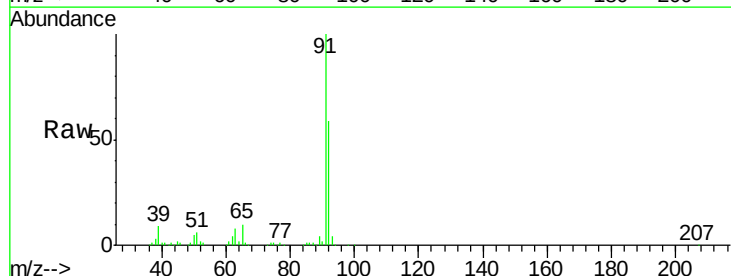
Manual Integrations
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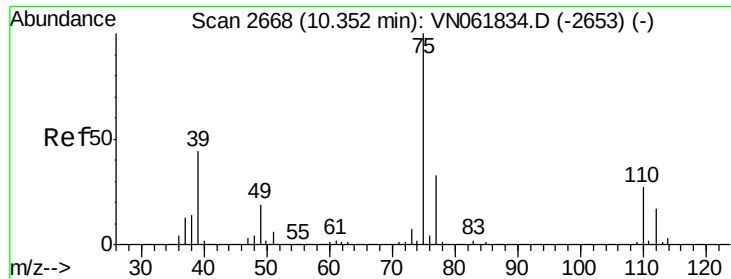
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#52
Toluene
Concen: 55.994 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	92	Resp	261597
Ion Ratio	100	Lower	Upper
92	100		
91	171.8	137.1	205.7





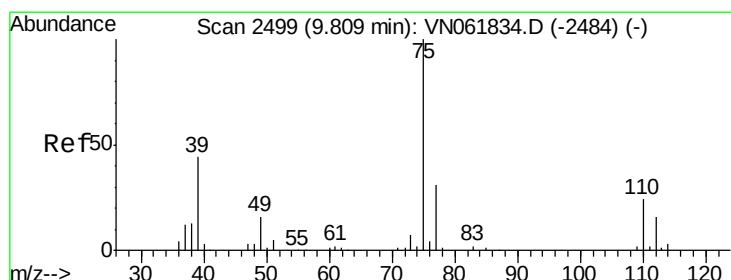
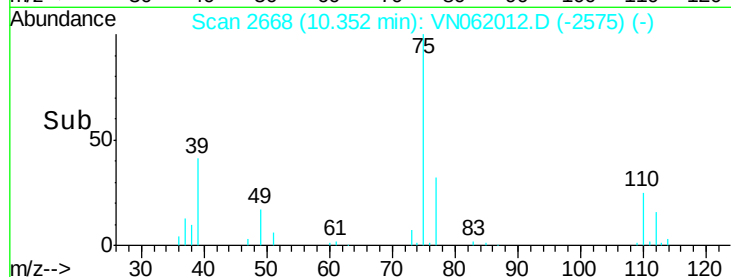
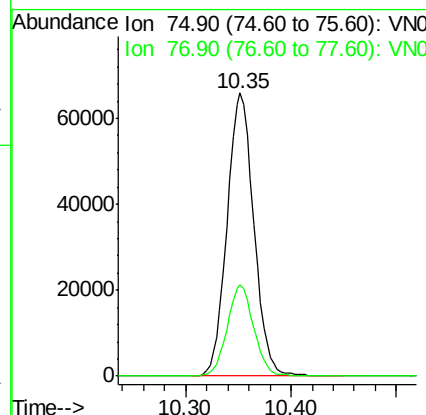
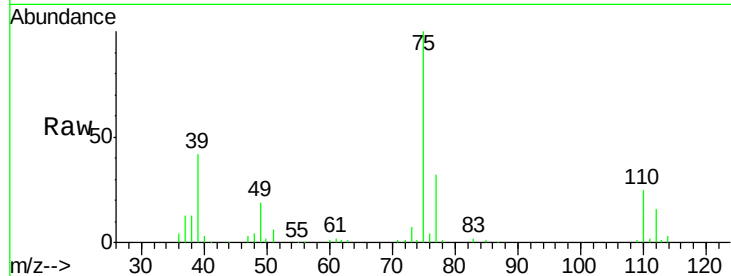
#53
 t-1,3-Dichloropropene
 Concen: 41.399 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	115851		
77	32.4	26.3		39.5

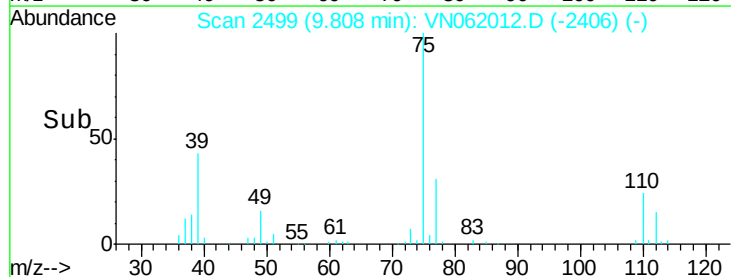
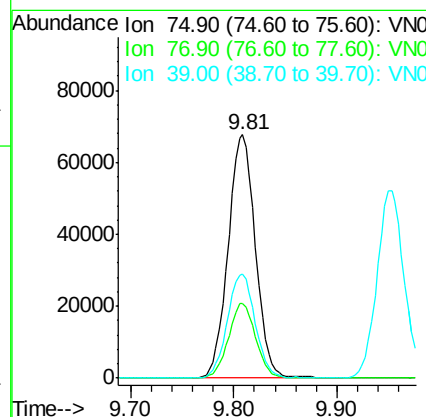
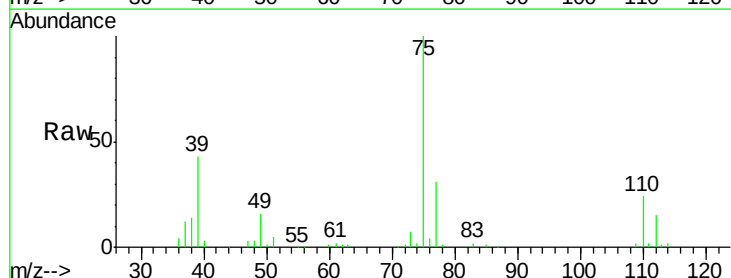
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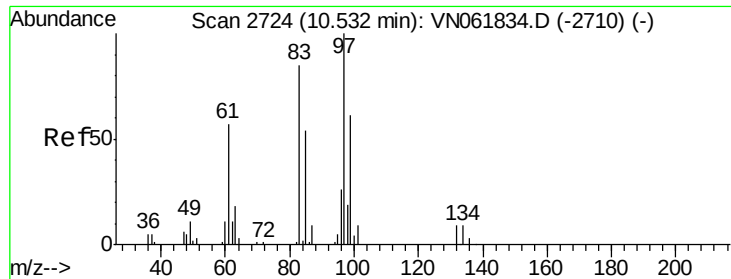
MMDadoda
 6/23/2020 12:47:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 41.038 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124732		
77	30.9	24.8		37.2
39	42.6	35.4		53.0





#55

1,1,2-Trichloroethane

Concen: 57.780 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

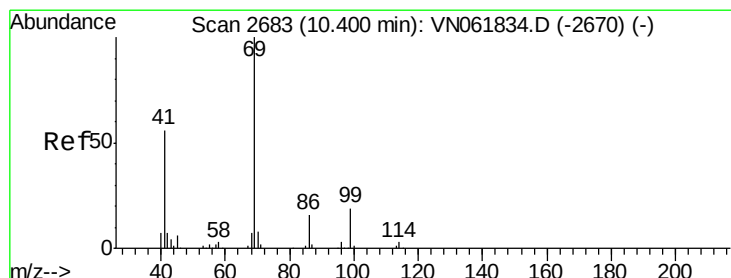
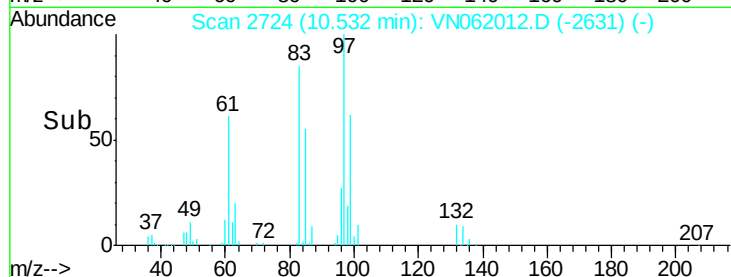
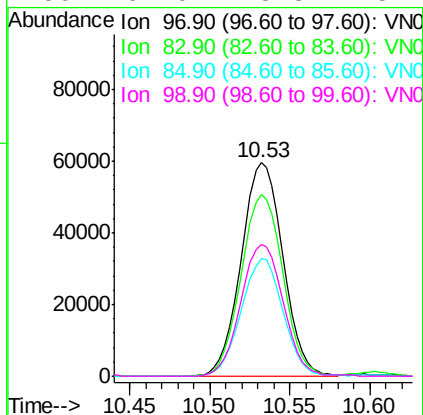
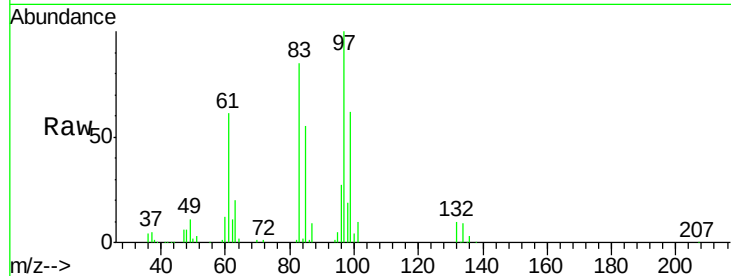
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	97	Resp:	106208
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.7	101.5
85	55.0	43.4	65.0
99	62.0	48.8	73.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 51.359 ug/l

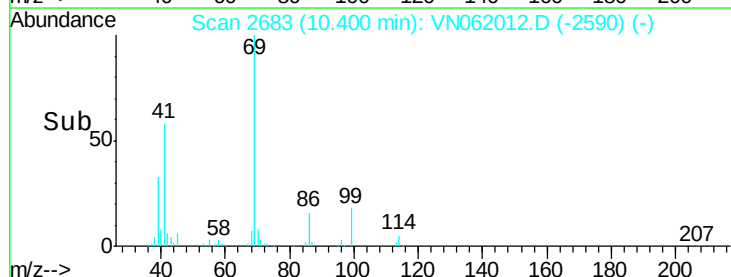
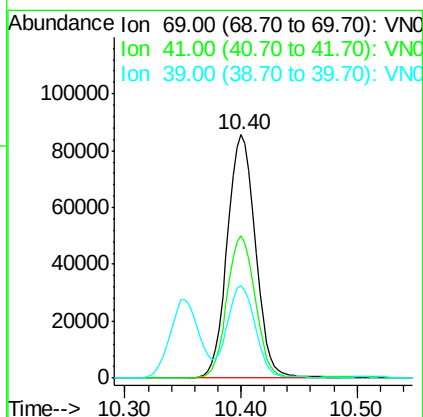
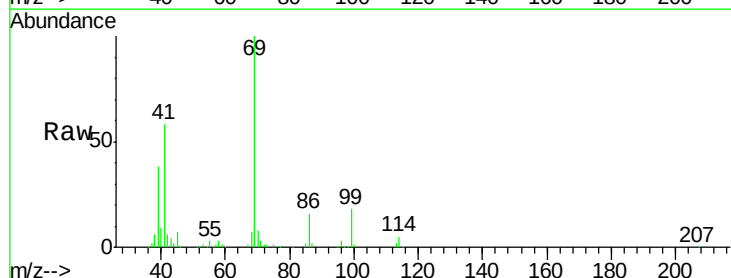
RT: 10.40 min Scan# 2683

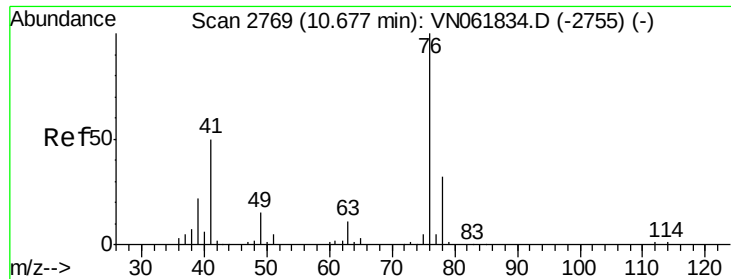
Delta R.T. 0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	69	Resp:	144438
Ion	Ratio	Lower	Upper
69	100		
41	58.2	44.9	67.3
39	38.2	30.0	45.0





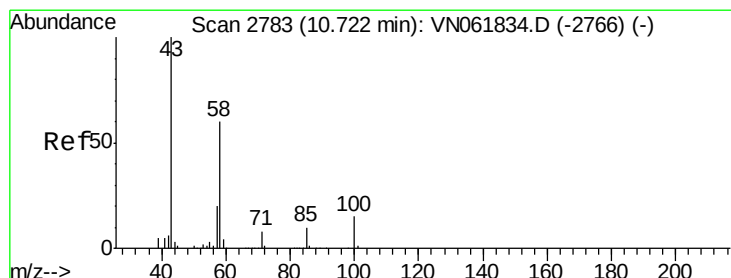
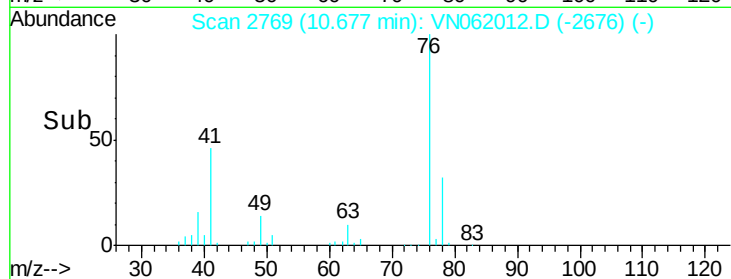
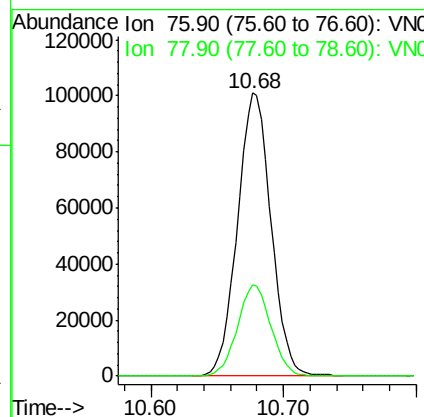
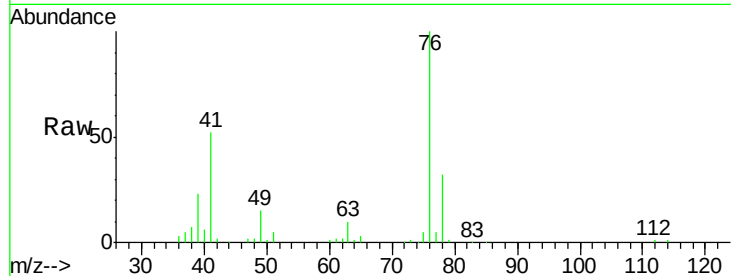
#57
 1,3-Dichloropropane
 Concen: 57.039 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.8	38.8

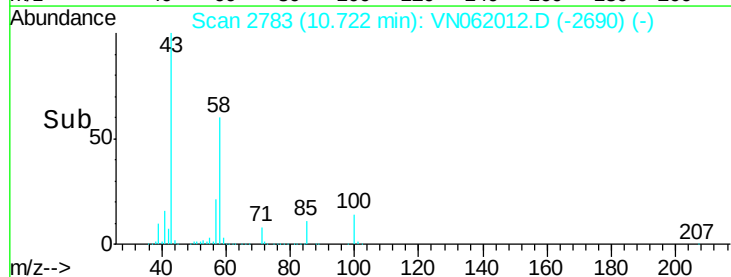
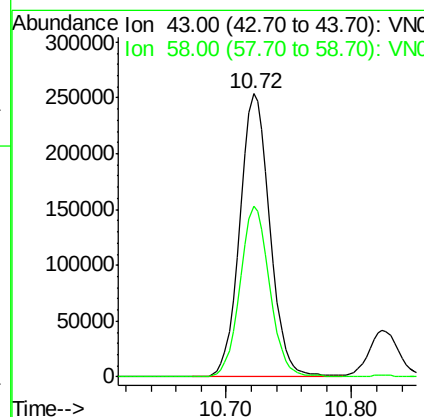
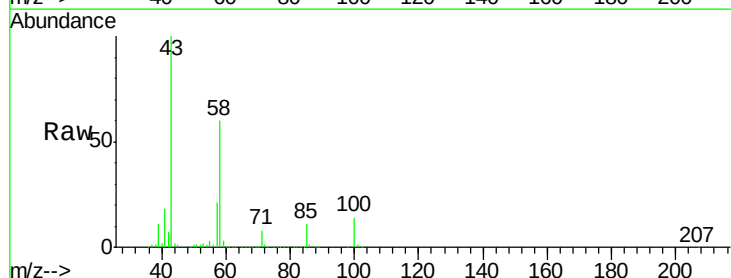
Manual Integrations
 APPROVED

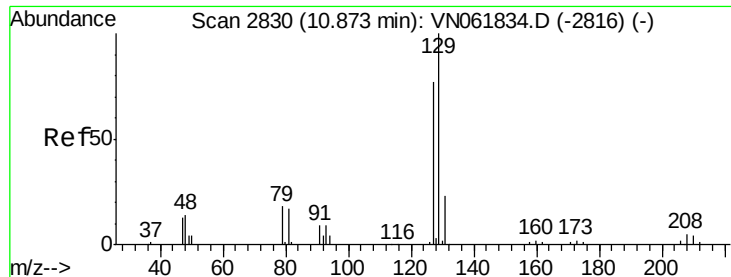
MMDadoda
 6/23/2020 12:47:32 PM



#59
 2-Hexanone
 Concen: 275.387 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	59.6	30.1	90.5





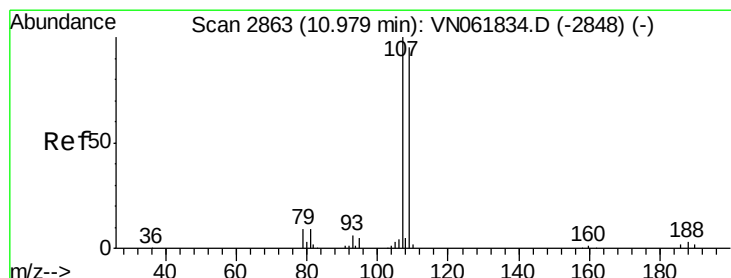
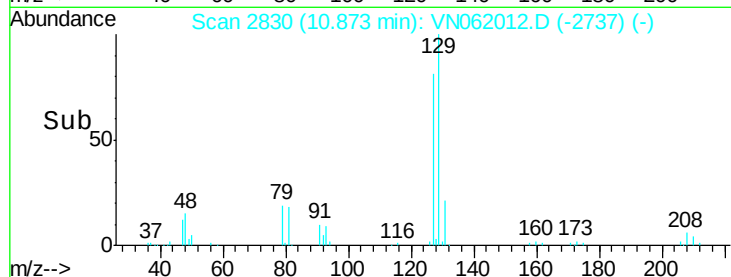
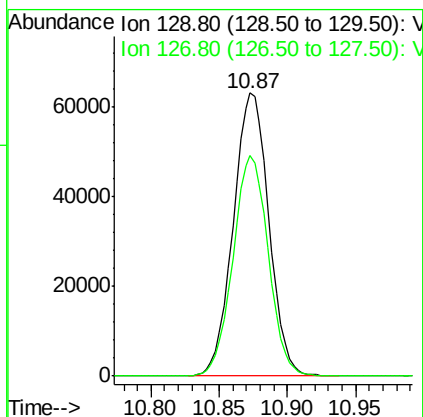
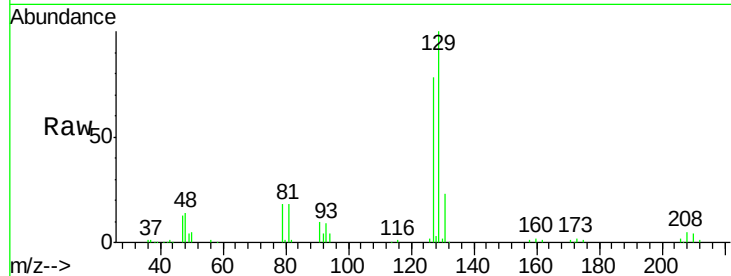
#60
Dibromochloromethane
Concen: 55.706 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.5	115.5

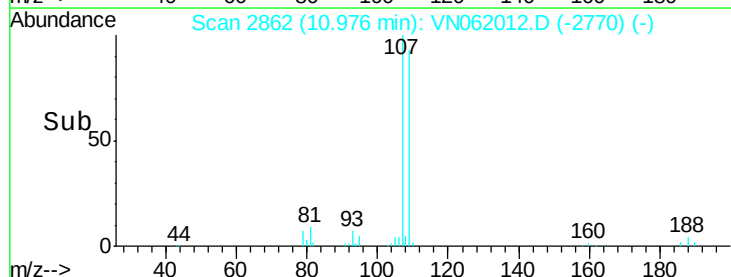
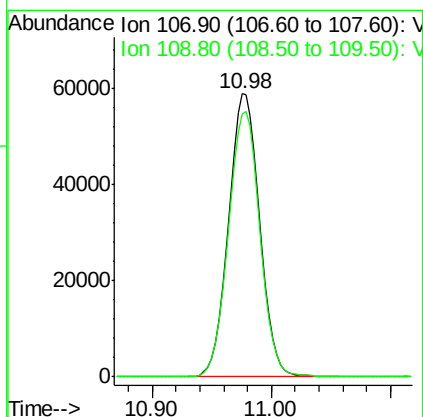
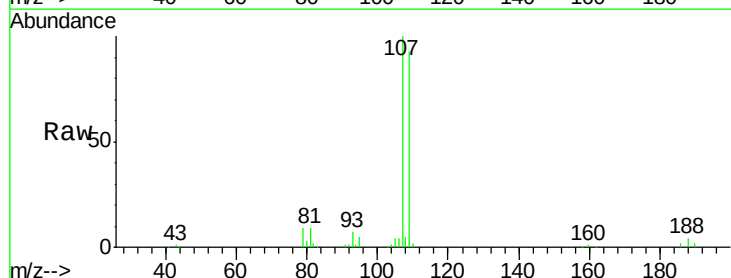
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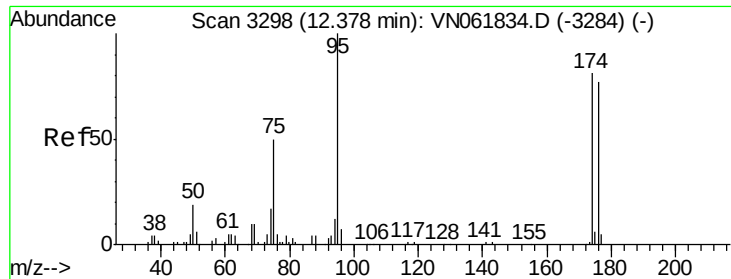
MMDadoda
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#61
1,2-Dibromoethane
Concen: 55.266 ug/l
RT: 10.98 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.0	112.6





#62

4-Bromofluorobenzene

Concen: 51.107 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

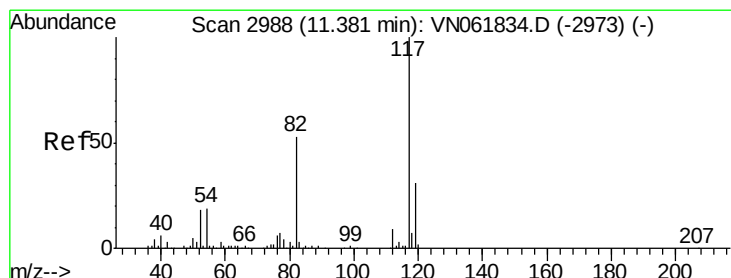
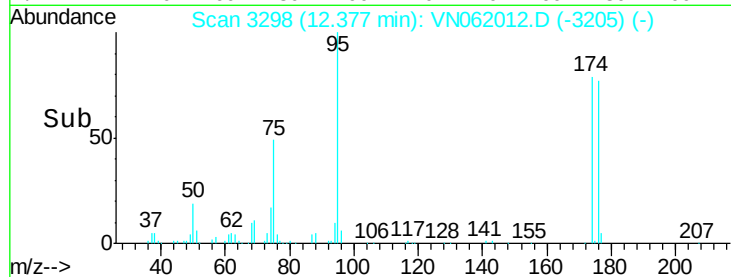
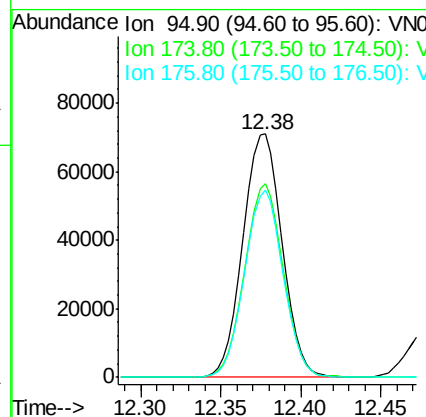
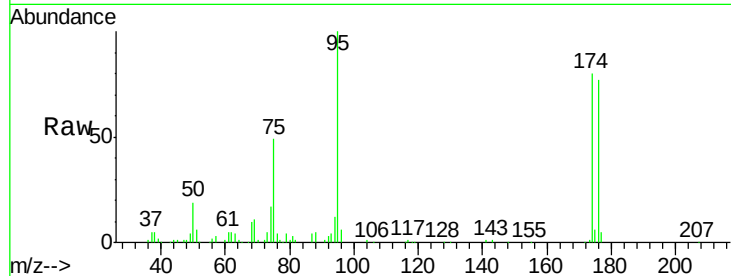
ClientSampleId :

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Tot Ion:	95	Resp:	118708
Ion	Ratio	Lower	Upper
95	100		
174	78.5	0.0	158.6
176	75.6	0.0	152.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

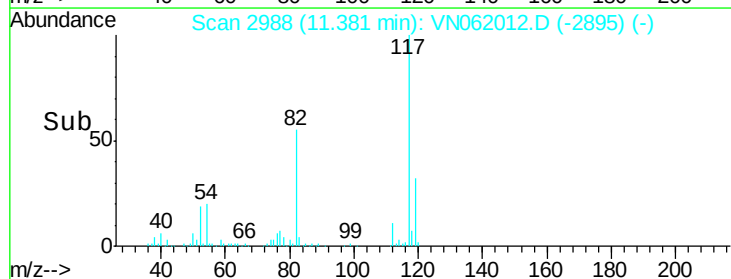
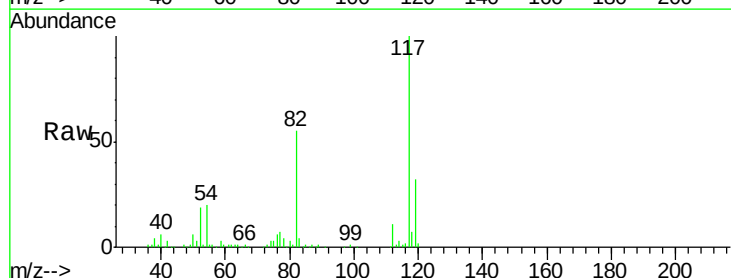
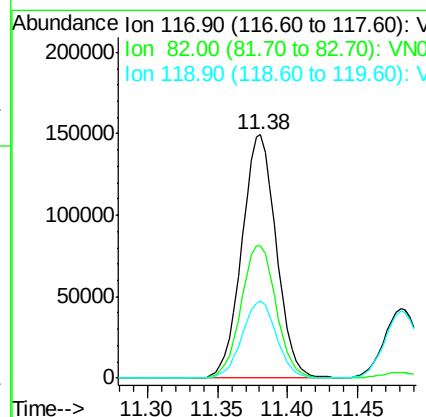
RT: 11.38 min Scan# 2988

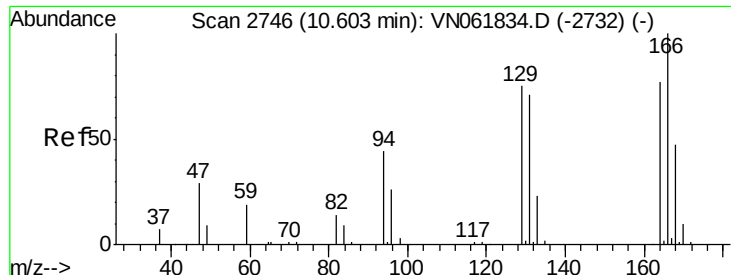
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	117	Resp:	256099
Ion	Ratio	Lower	Upper
117	100		
82	54.5	42.6	64.0
119	31.6	24.7	37.1





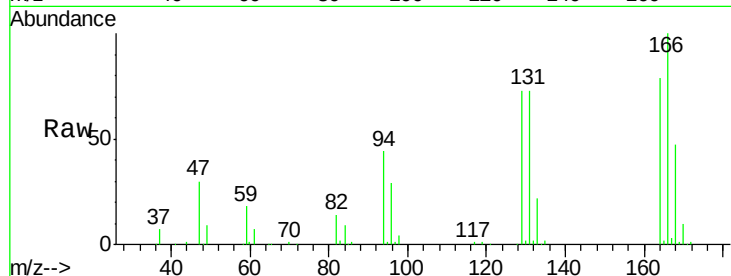
#64
Tetrachloroethene
Concen: 49.909 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

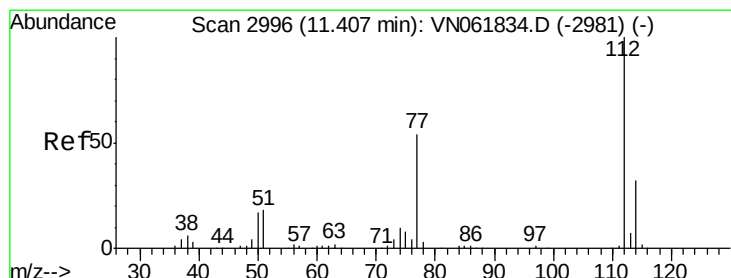
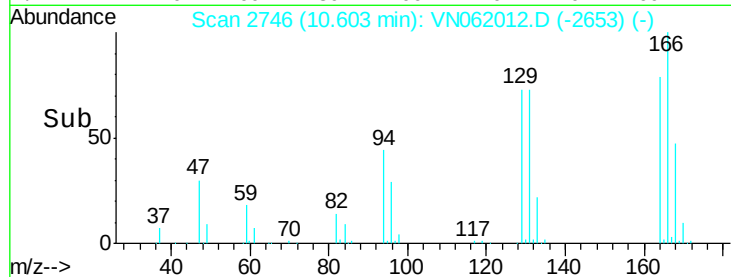
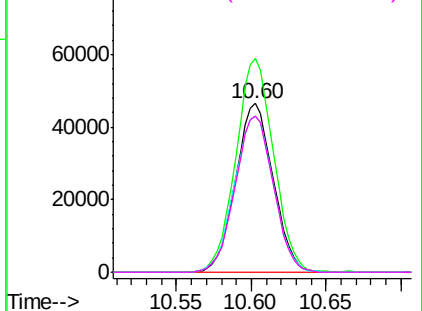
Tot Ion	Ratio	Lower	Upper
164	100		
166	126.8	103.5	155.3
129	93.1	77.5	116.3
131	93.1	73.8	110.8

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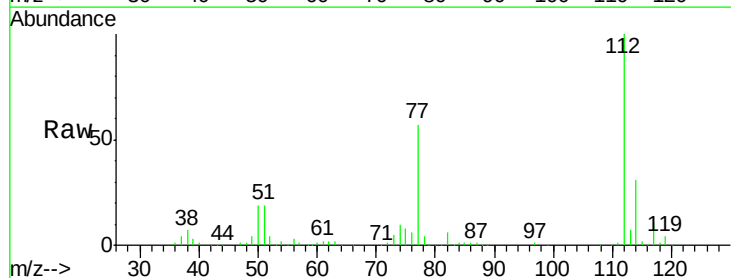


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

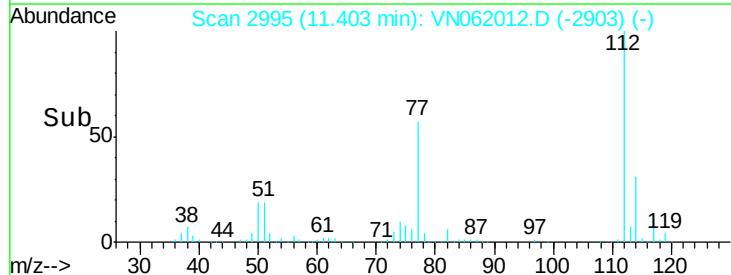
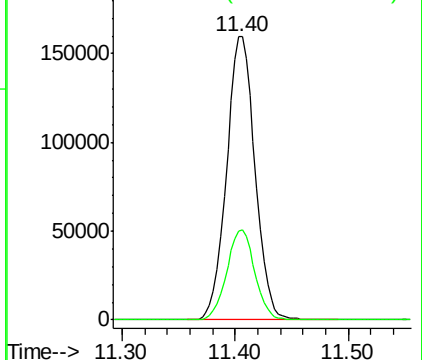


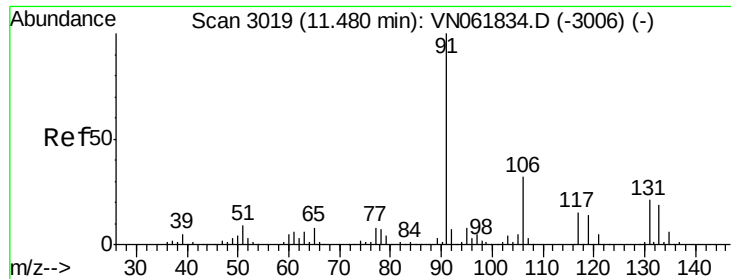
#65
Chlorobenzene
Concen: 51.549 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.8	38.6



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 54.610 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

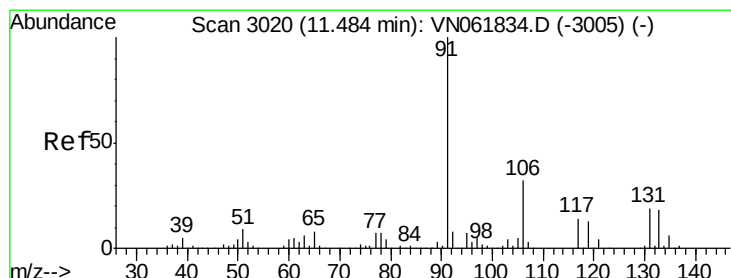
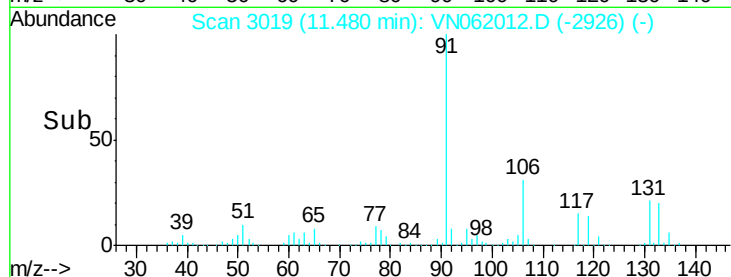
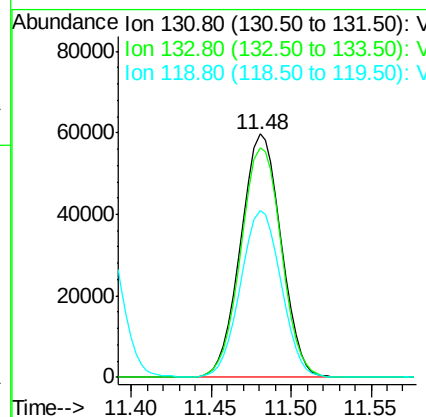
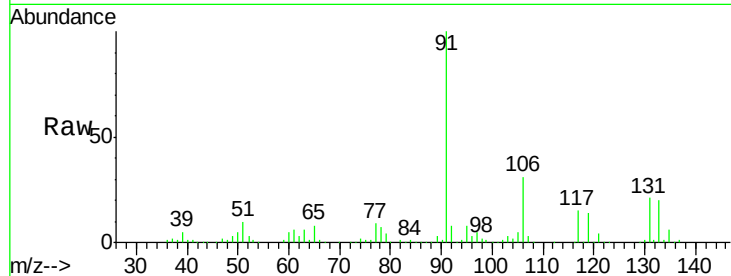
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	131	Resp:	102923
Ion Ratio	Lower	Upper	
131	100		
133	94.9	47.5	142.5
119	68.9	34.0	101.8

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#67

Ethyl Benzene

Concen: 54.193 ug/l

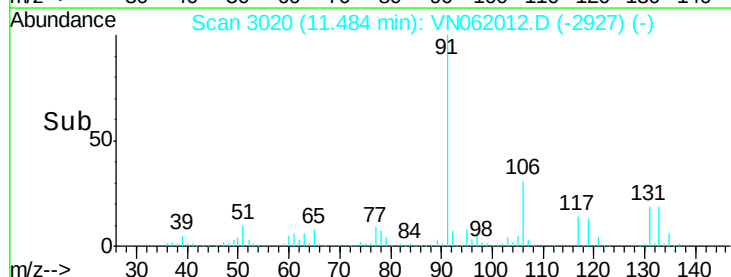
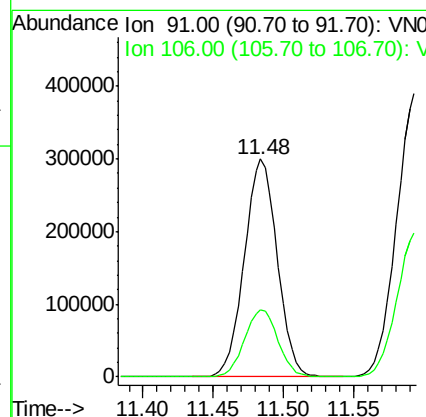
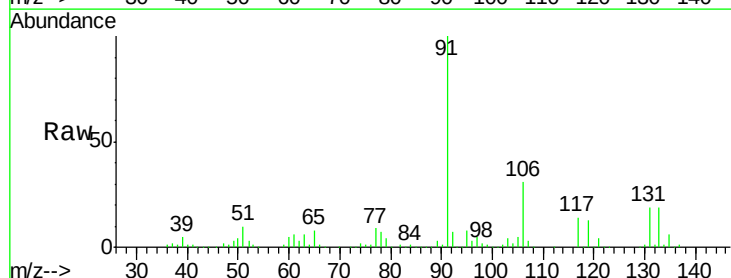
RT: 11.48 min Scan# 3020

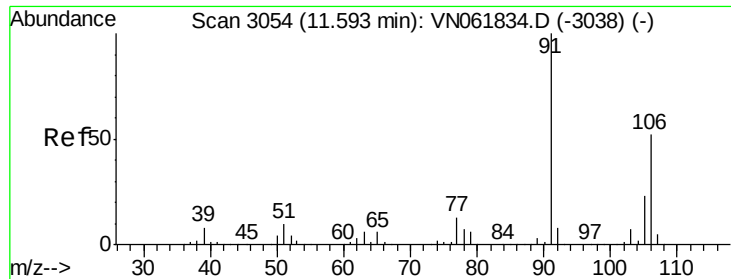
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	91	Resp:	491010
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.4	38.2





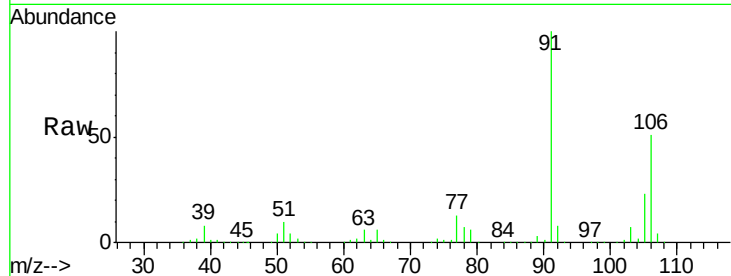
#68
m/p-Xylenes
Concen: 108.116 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

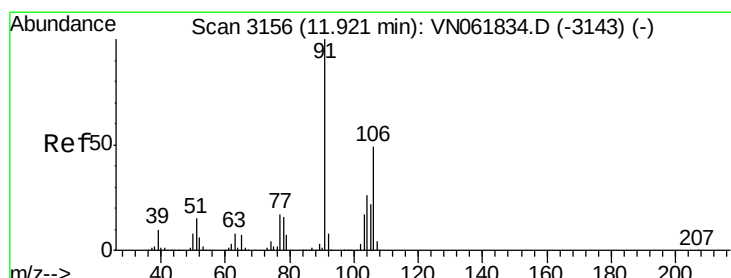
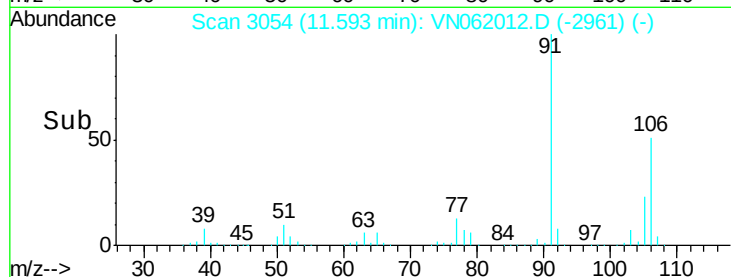
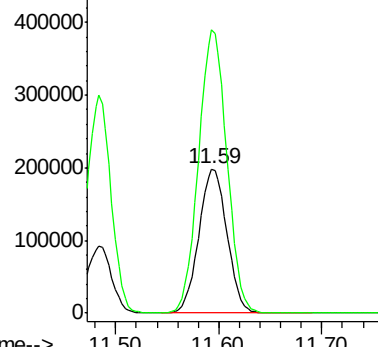
Tot Ion:106 Resp: 377724
Ion Ratio Lower Upper
106 100
91 197.1 157.0 235.6

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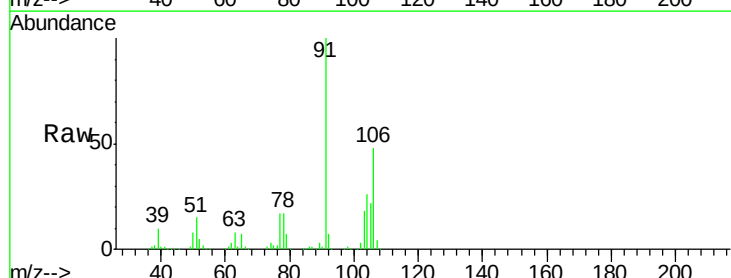


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

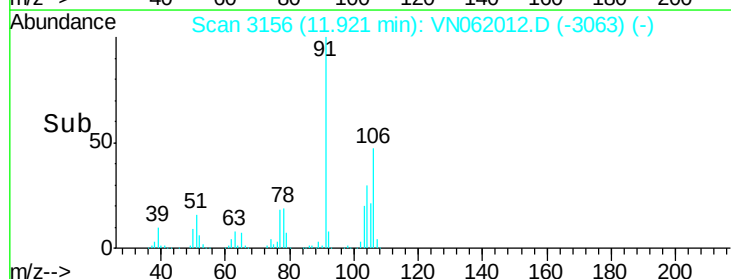
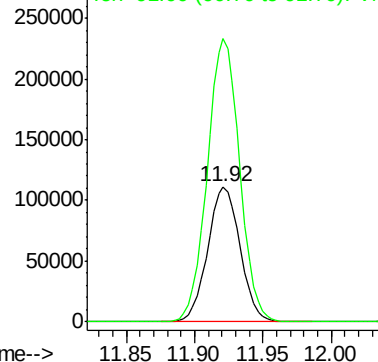


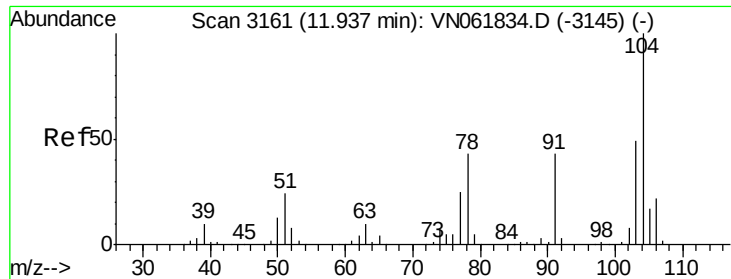
#69
o-Xylene
Concen: 54.697 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion:106 Resp: 182333
Ion Ratio Lower Upper
106 100
91 210.4 103.0 308.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





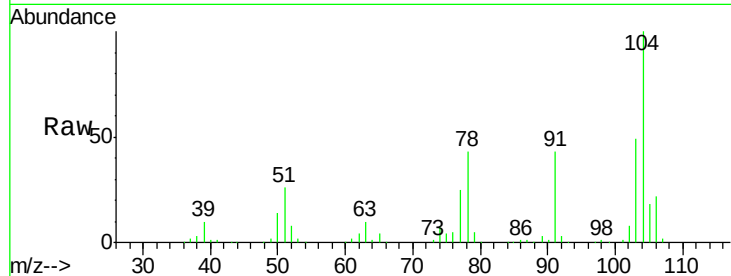
#70
Stvrene
Concen: 55.269 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		308490		
78	47.9	37.6	56.4		
103	54.3	43.0	64.4		

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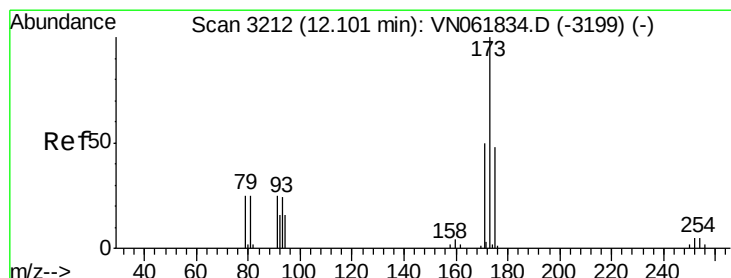
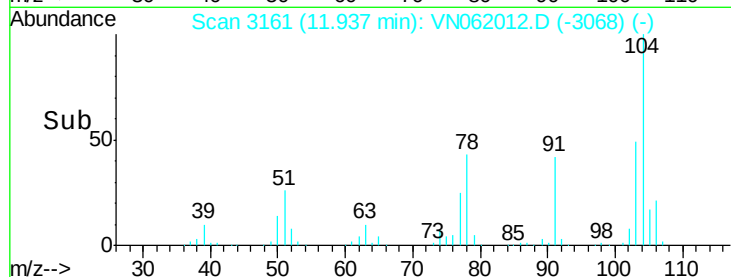
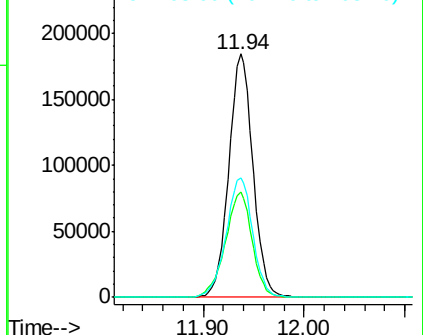


Abundance

Ion 104.00 (103.70 to 104.70): V

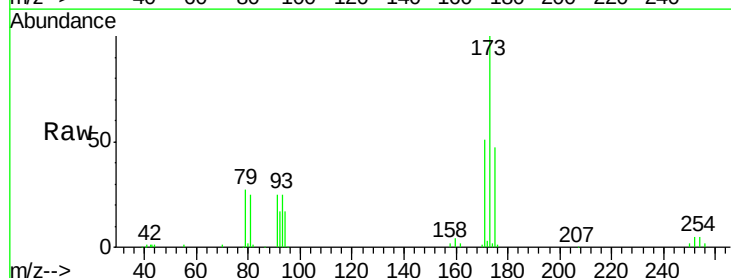
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 55.469 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
173	100		76227		
175	48.0	23.9	71.7		
254	0.0	0.0	0.0		

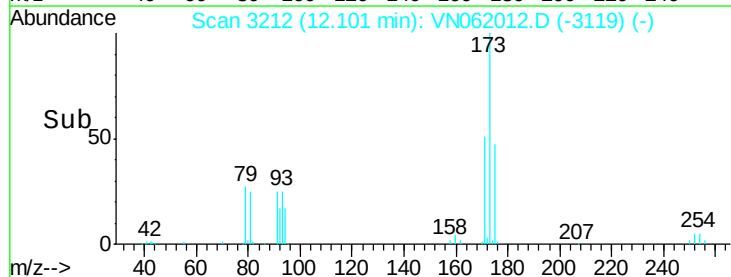
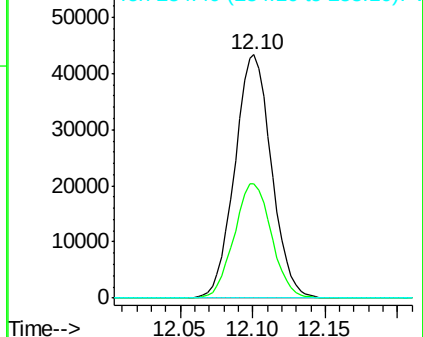


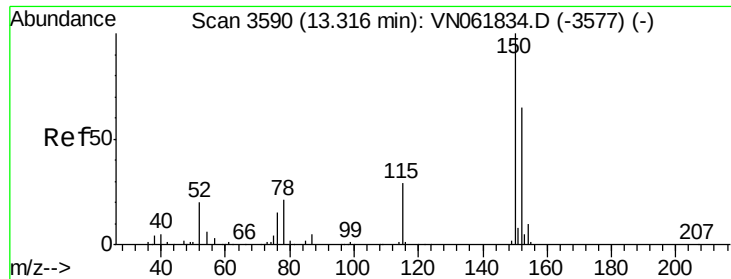
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

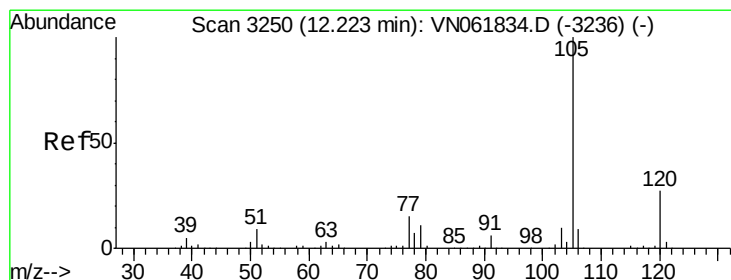
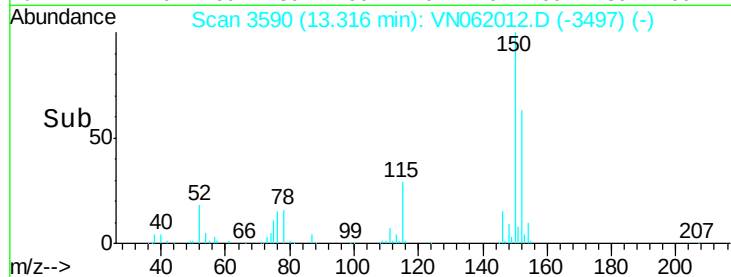
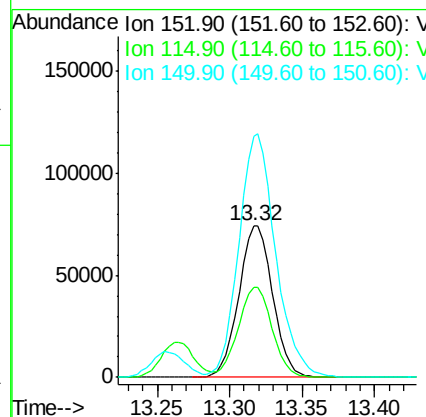
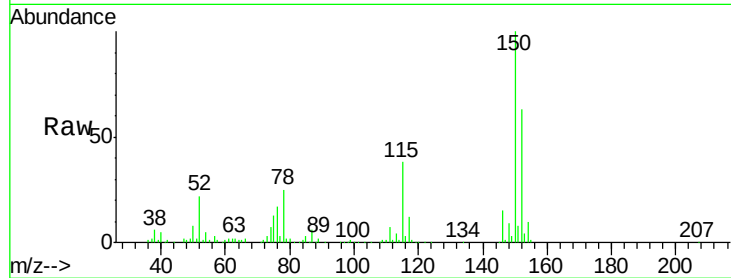
ClientSampleId :

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Tot Ion:	152	Resp:	120687
Ion Ratio	Lower	Upper	
152	100		
115	59.6	29.1	87.3
150	174.4	0.0	347.6

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#73

Isopropylbenzene

Concen: 54.970 ug/l

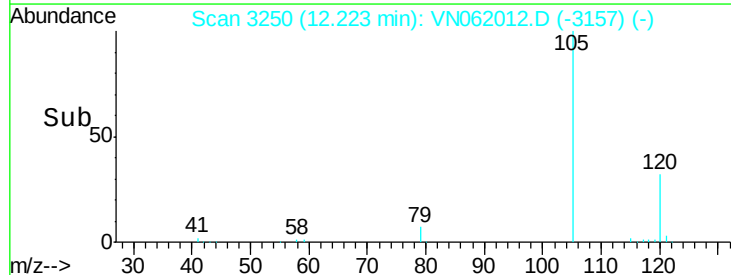
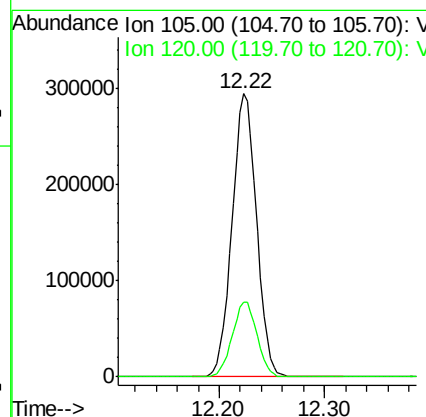
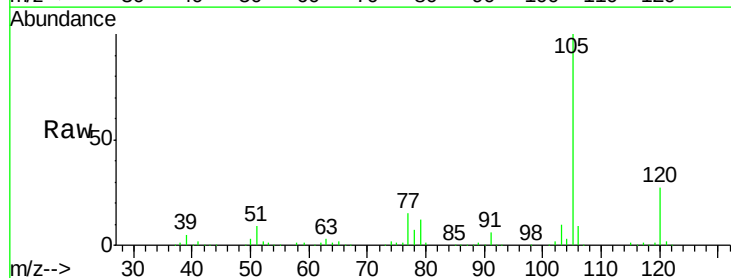
RT: 12.22 min Scan# 3250

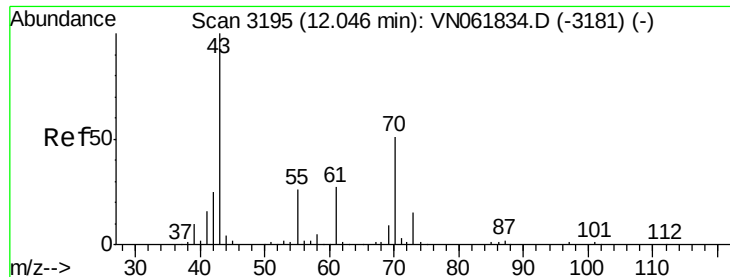
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	105	Resp:	471432
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.3	39.8





#74

N-amvl acetate

Concen: 23.973 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

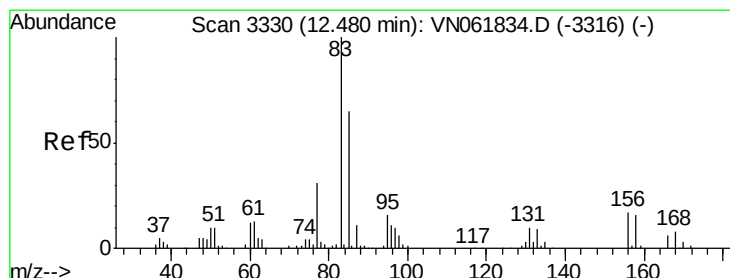
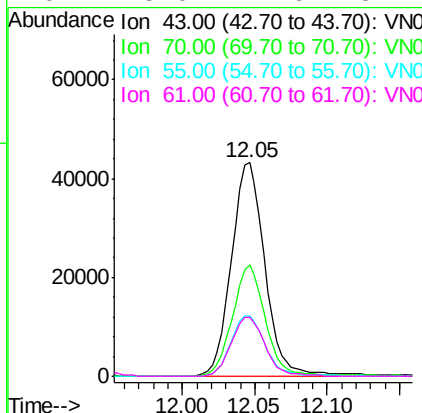
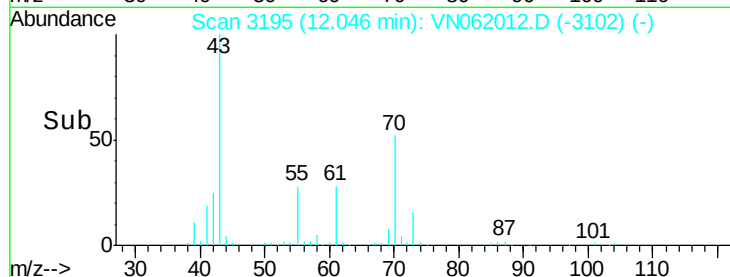
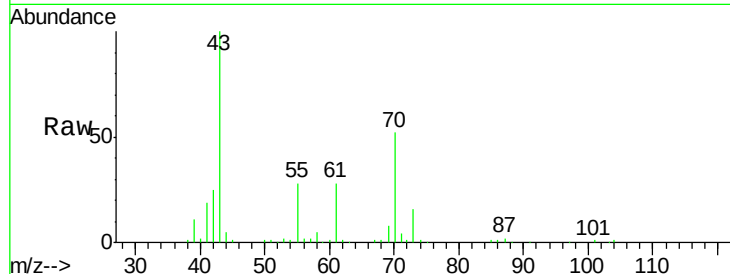
ClientSampleId :

RE139D2-20200616MSD

Tot Ion	43	Resp	69178
Ion Ratio	Lower	Upper	
43	100		
70	51.1	40.6	60.8
55	29.1	21.5	32.3
61	28.0	21.6	32.4

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#75

1,1,2,2-Tetrachloroethane

Concen: 56.170 ug/l

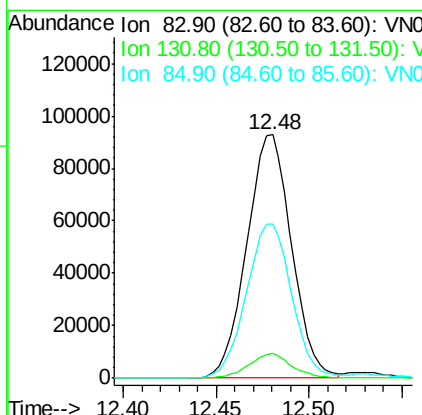
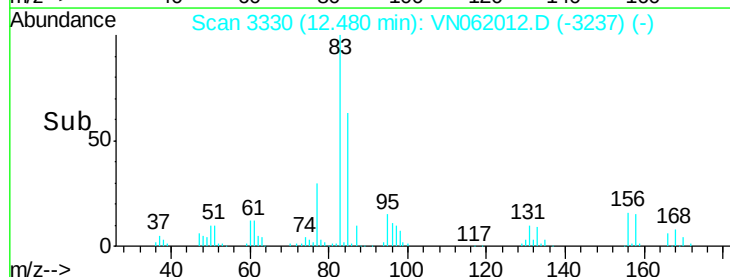
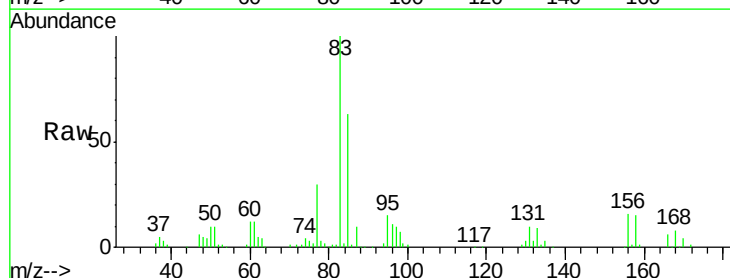
RT: 12.48 min Scan# 3330

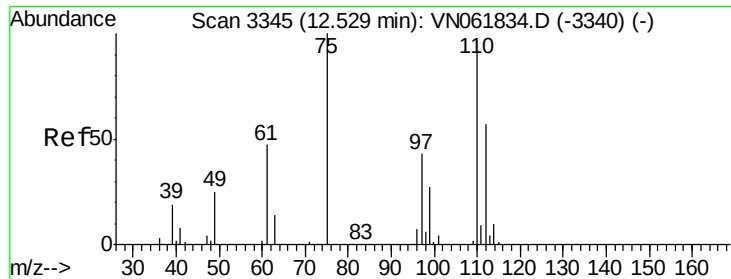
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion	83	Resp	156620
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.9	32.4	97.2





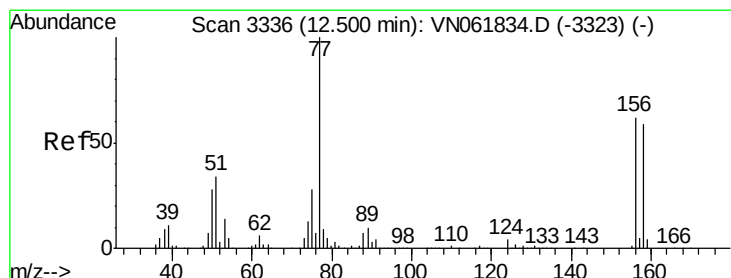
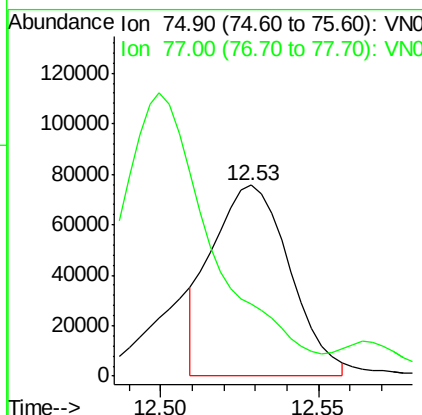
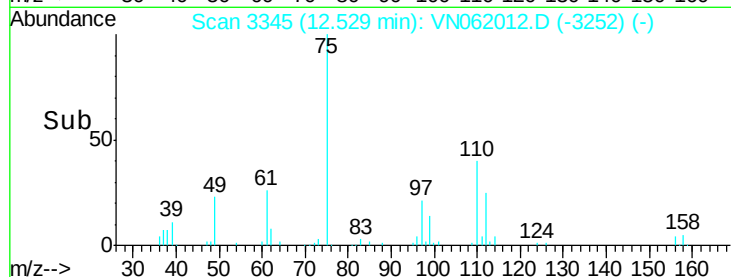
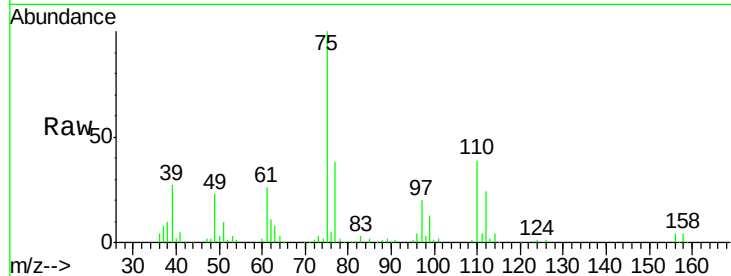
#76
1,2,3-Trichloropropane
Concen: 54.503 ug/l m
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Instrument :
MSVOA_N
ClientSampleId :
RE139D2-20200616MSD

Tot Ion: 75 Resp: 129139
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

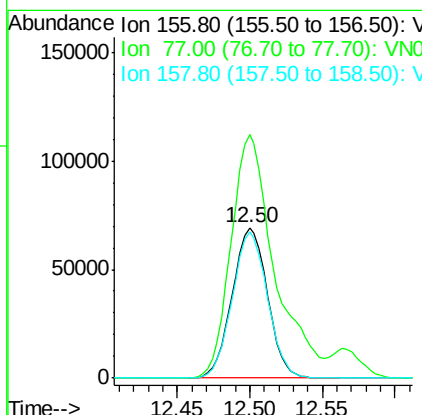
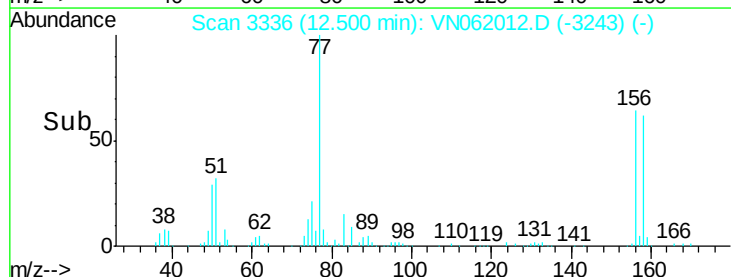
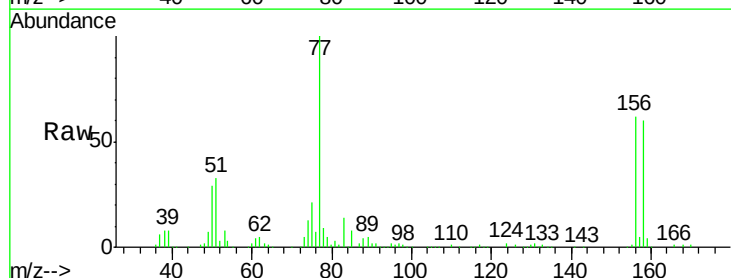
Manual Integrations
APPROVED

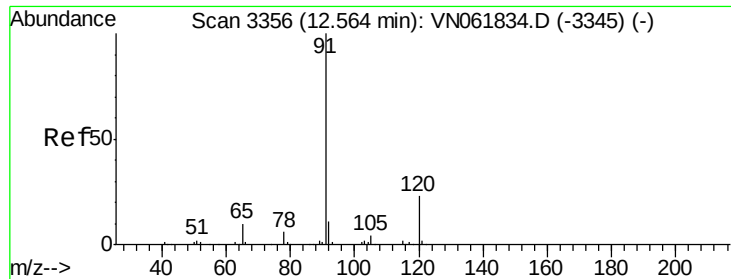
MMDadoda
6/23/2020 12:47:32 PM



#77
Bromobenzene
Concen: 54.230 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN062012.D
Acq: 22 Jun 2020 20:19

Tgt Ion: 156 Resp: 117335
Ion Ratio Lower Upper
156 100
77 199.0 100.7 302.1
158 96.8 48.5 145.5





#78

n-propylbenzene

Concen: 53.784 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 91 Resp: 526314

Ion Ratio Lower Upper

91 100

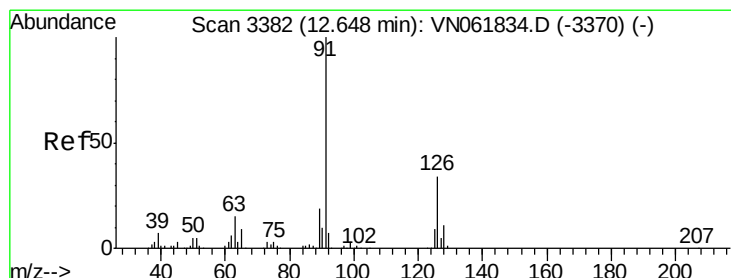
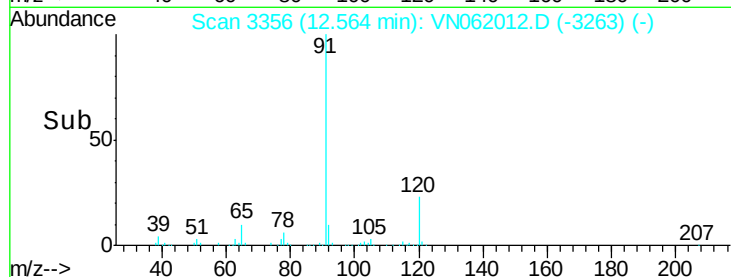
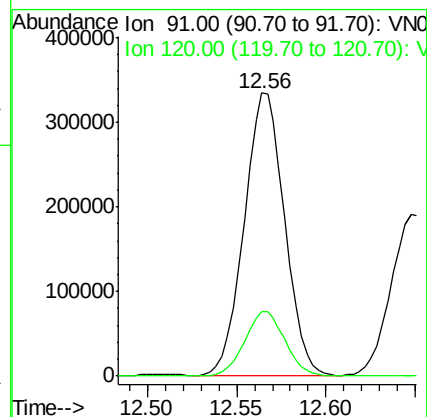
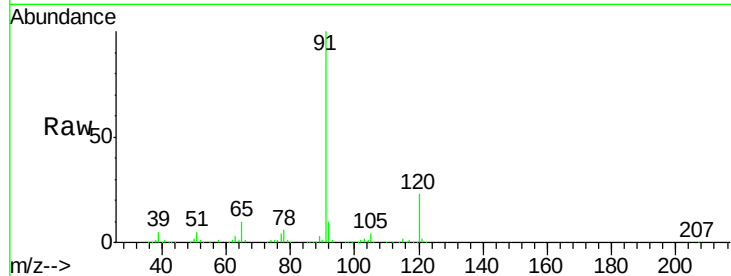
120 22.9 11.6 34.8

Manual Integrations

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#79

2-Chlorotoluene

Concen: 54.455 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN062012.D

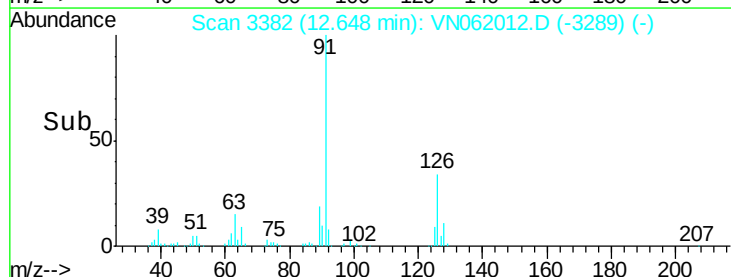
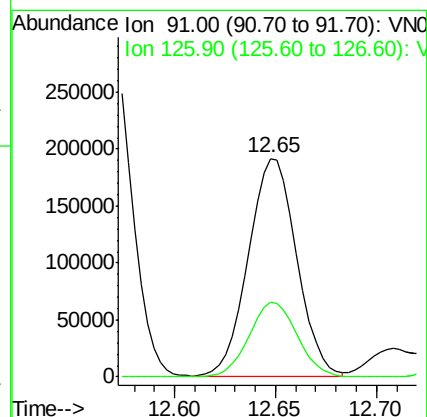
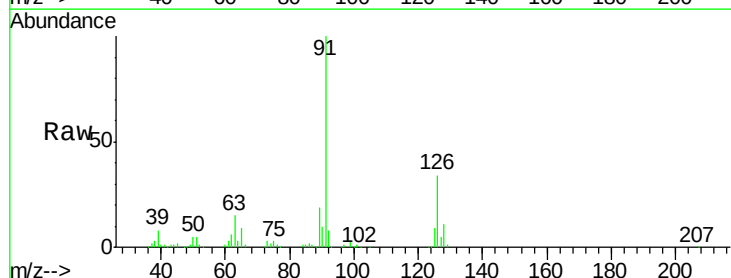
Acq: 22 Jun 2020 20:19

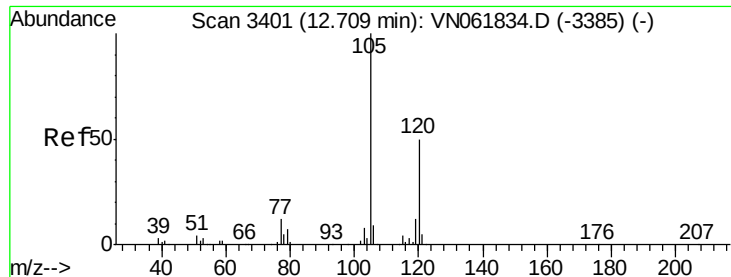
Tgt Ion: 91 Resp: 320046

Ion Ratio Lower Upper

91 100

126 34.3 17.3 51.7





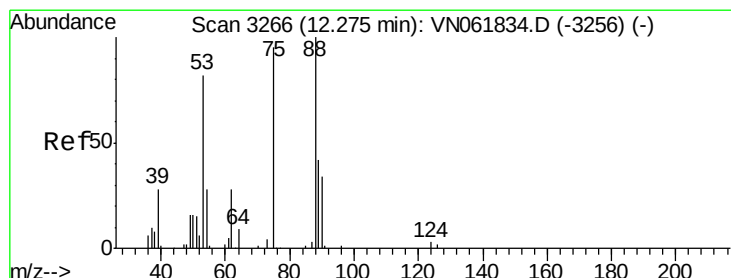
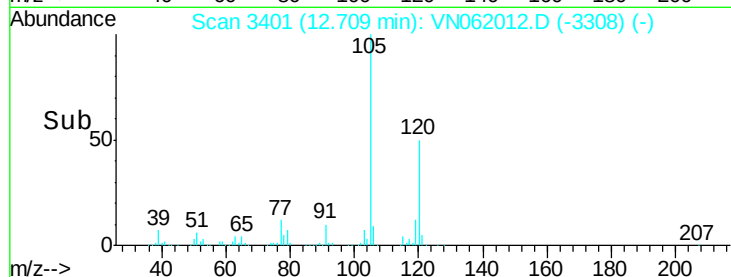
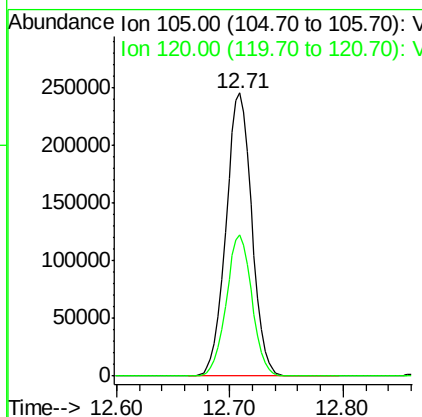
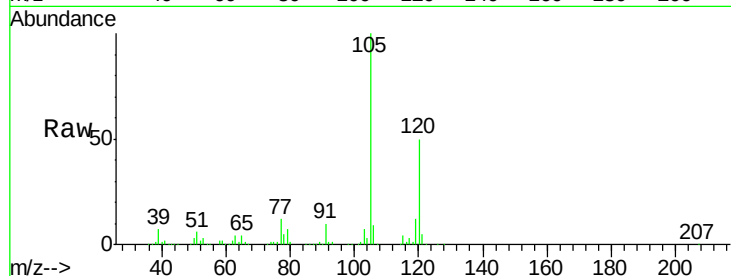
#80
 1,3,5-Trimethylbenzene
 Concen: 54.676 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	49.7	24.9	74.7

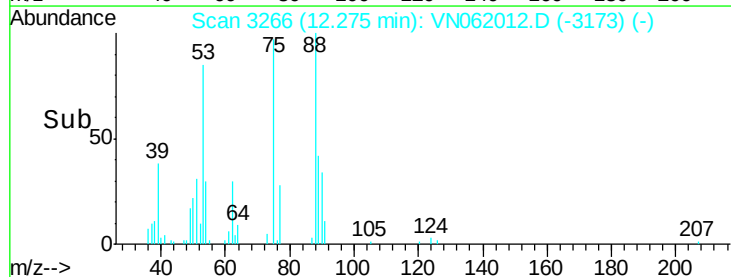
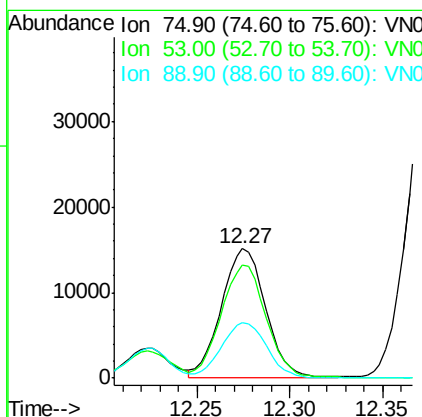
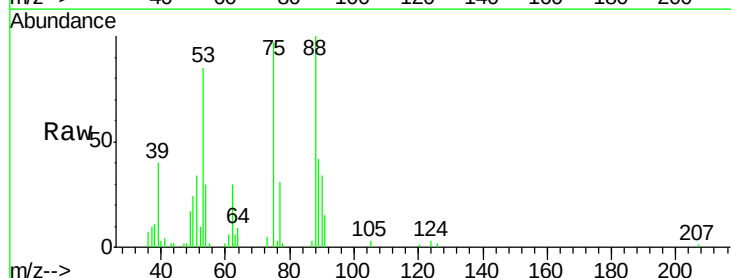
Manual Integrations
 APPROVED

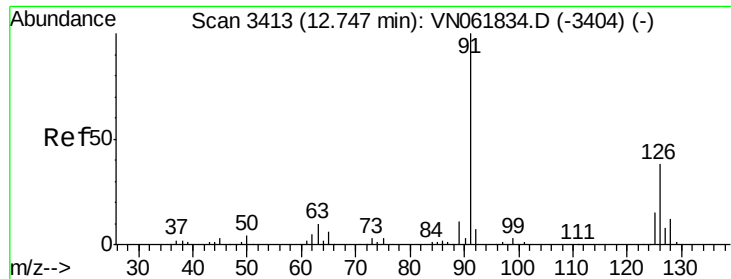
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 29.060 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.8	70.4	105.6
89	43.7	36.0	54.0





#82

4-Chlorotoluene

Concen: 53.910 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion: 91 Resp: 327396

Ion Ratio Lower Upper

91 100

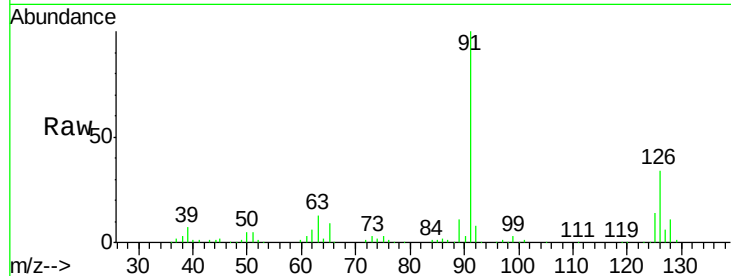
126 33.7 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3404) (-)

12.75

200000

150000

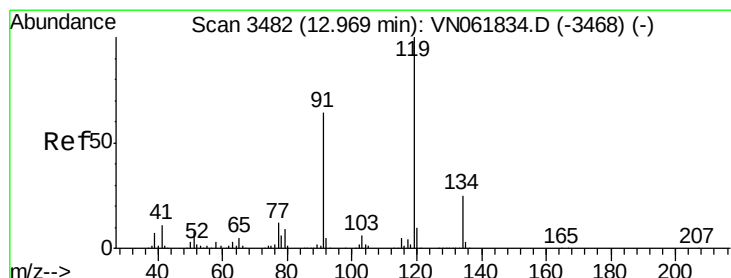
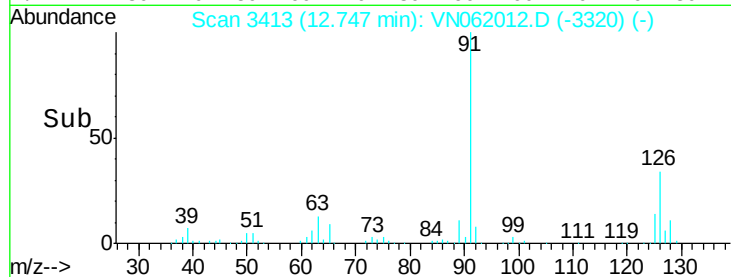
100000

50000

0

12.70 12.80

Time-->



#83

tert-Butylbenzene

Concen: 55.058 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

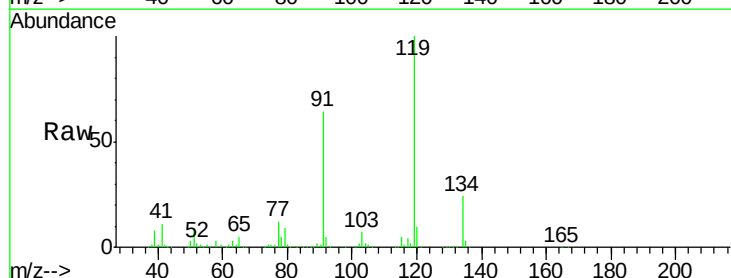
Tgt Ion: 119 Resp: 331183

Ion Ratio Lower Upper

119 100

91 63.9 31.5 94.5

134 26.9 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): VN061834.D (-3468) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-3468) (-)

Ion 134.00 (133.70 to 134.70): VN061834.D (-3468) (-)

12.97

250000

200000

150000

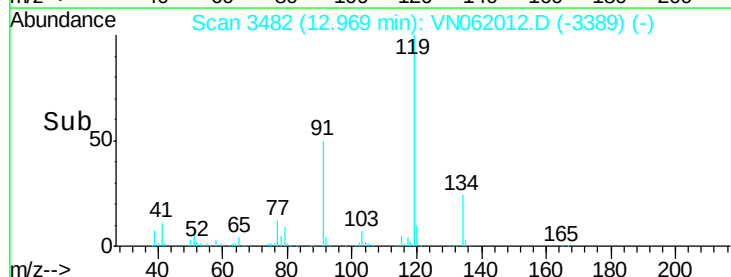
100000

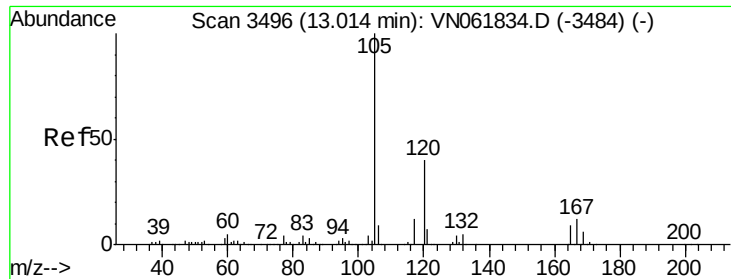
50000

0

12.90 12.95 13.00

Time-->





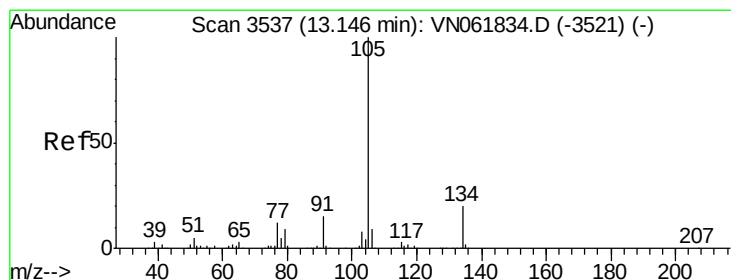
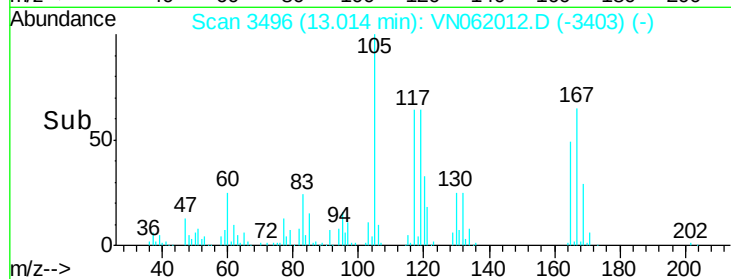
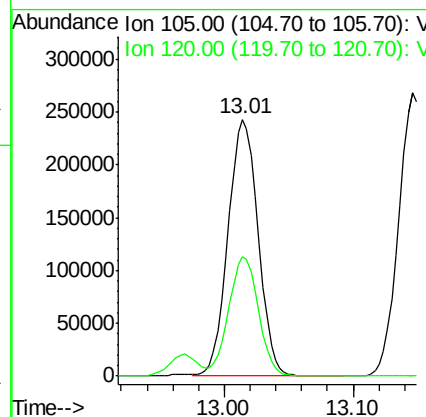
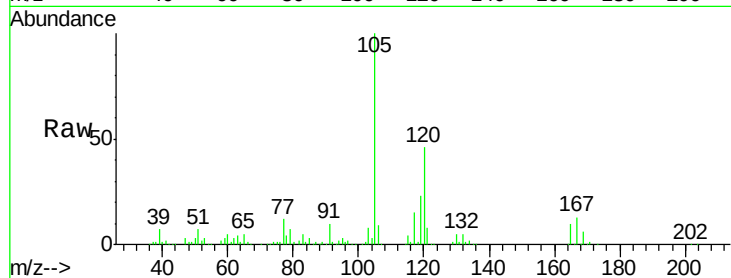
#84
 1,2,4-Trimethylbenzene
 Concen: 55.796 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.9

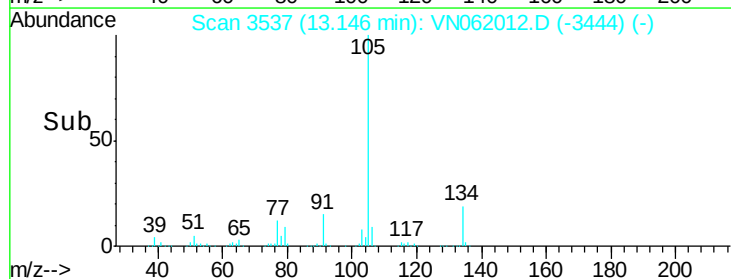
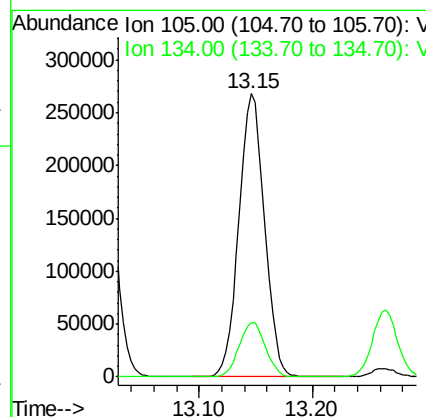
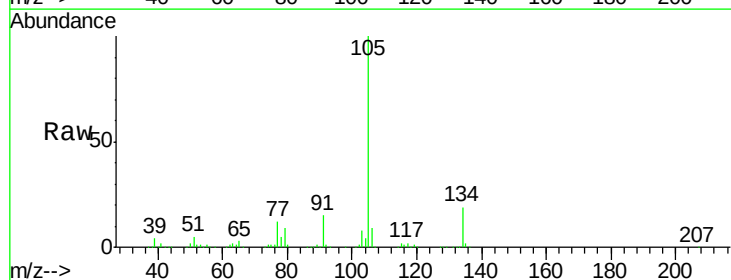
Manual Integrations
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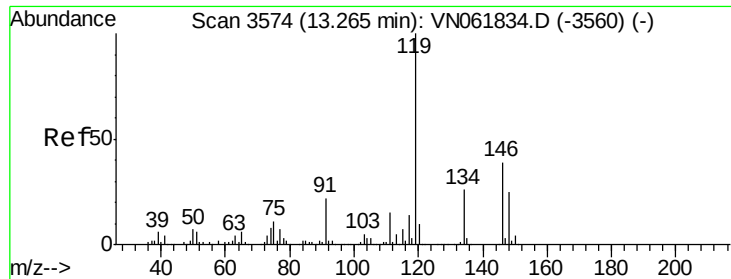
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 53.817 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.7	10.1	30.1





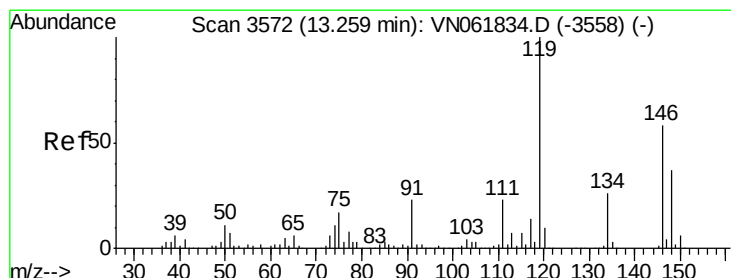
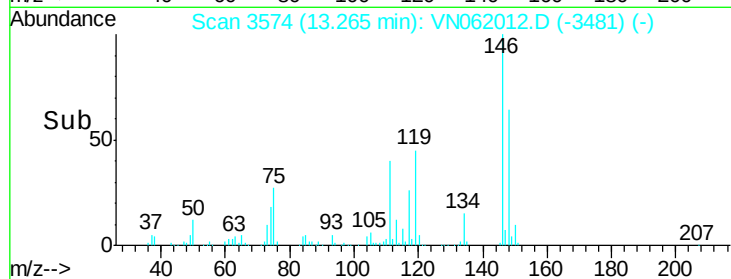
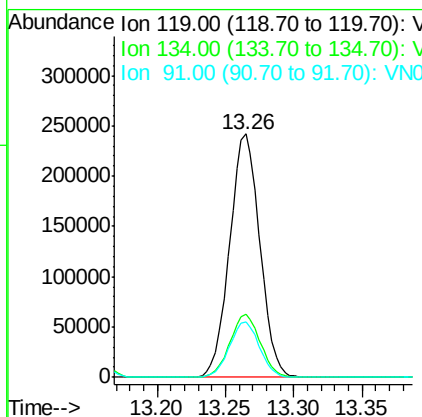
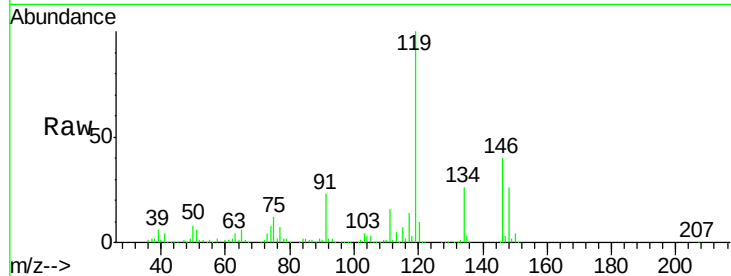
#86
 p-Isopropyltoluene
 Concen: 52.901 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.9
91	22.9	11.2	33.6

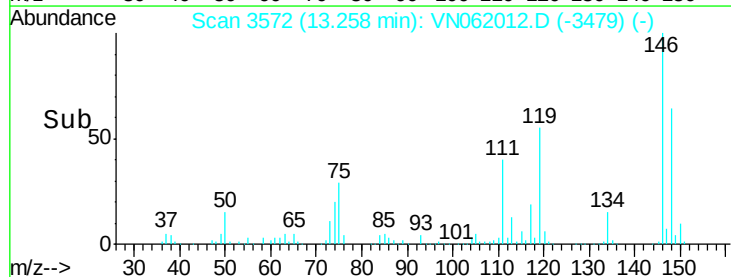
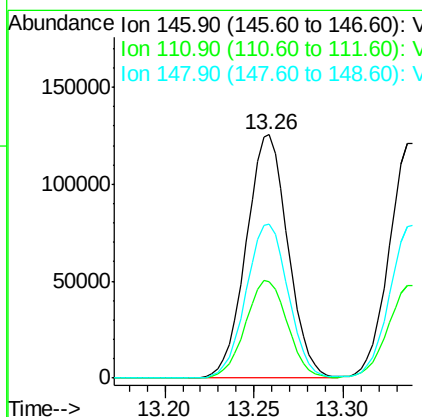
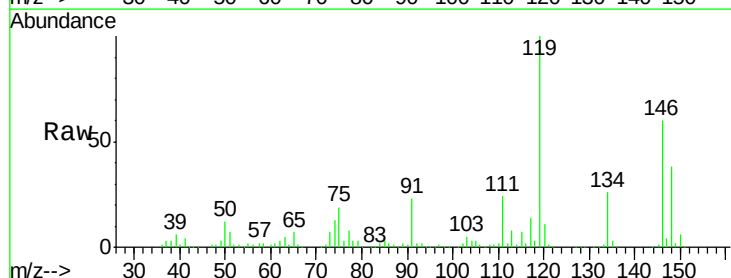
Manual Integrations
 APPROVED

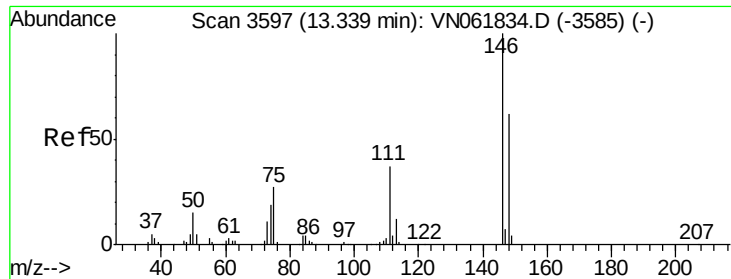
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#87
 1,3-Dichlorobenzene
 Concen: 51.864 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.6	58.8
148	64.2	31.8	95.4





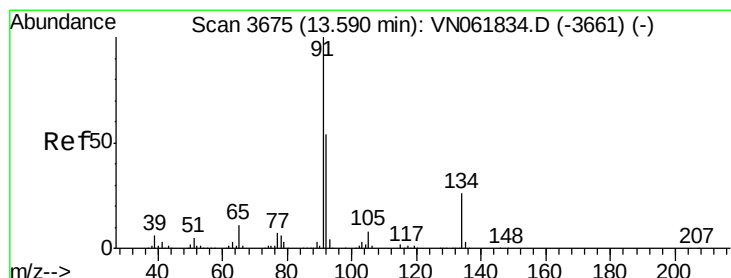
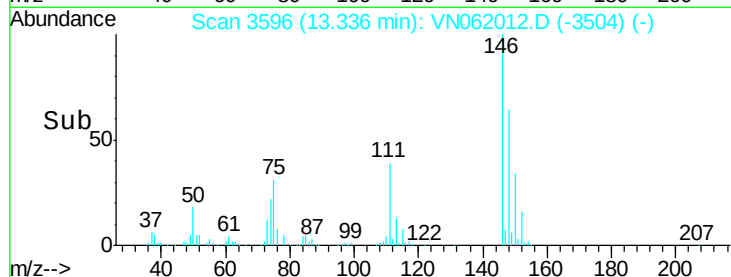
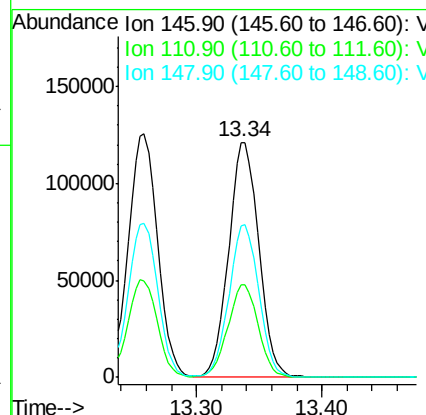
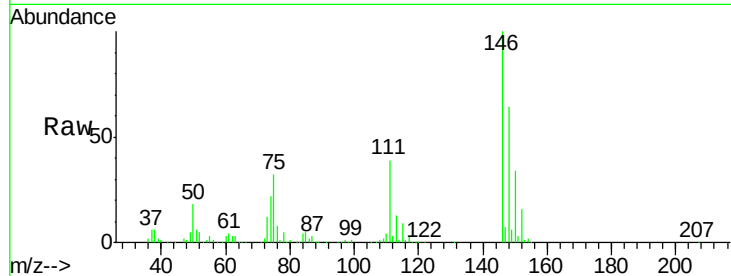
#88
 1,4-Dichlorobenzene
 Concen: 49.921 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	201651		
111	39.9	19.3	57.8	
148	64.6	31.6	94.7	

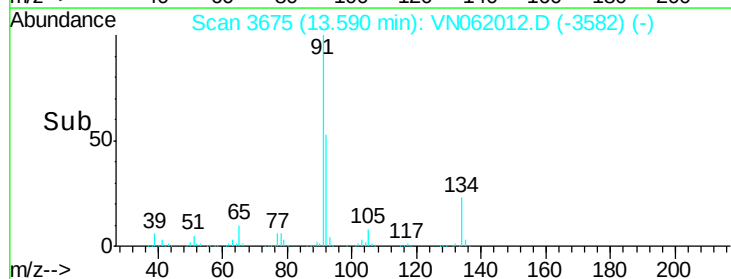
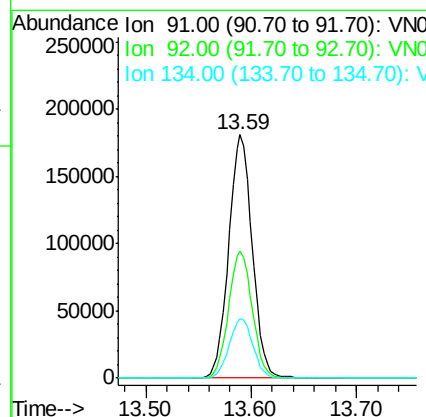
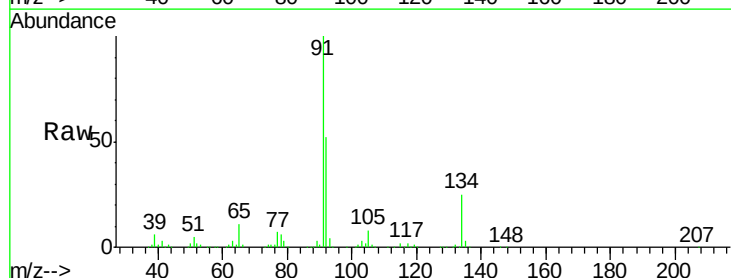
Manual Integrations
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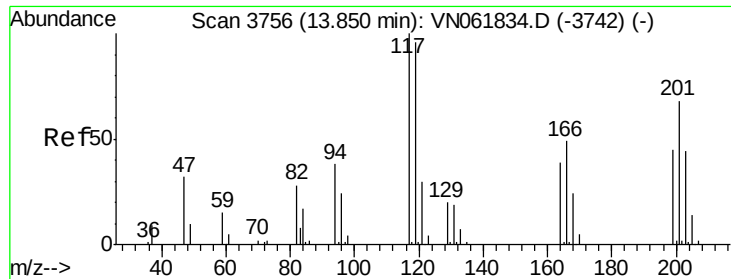
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#89
 n-Butylbenzene
 Concen: 47.512 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	278372		
92	52.6	27.0	80.8	
134	24.6	13.0	39.0	





#90

Hexachloroethane

Concen: 56.285 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

ClientSampleId :

RE139D2-20200616MSD

Tot Ion:117 Resp: 72282

Ion Ratio Lower Upper

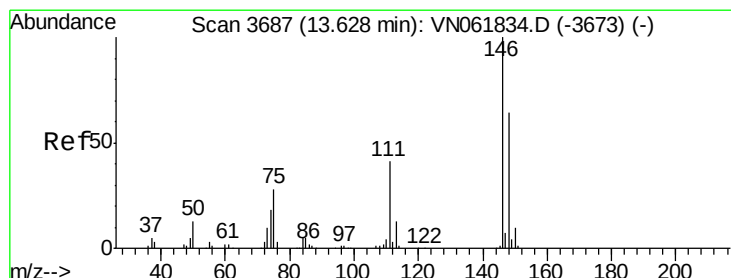
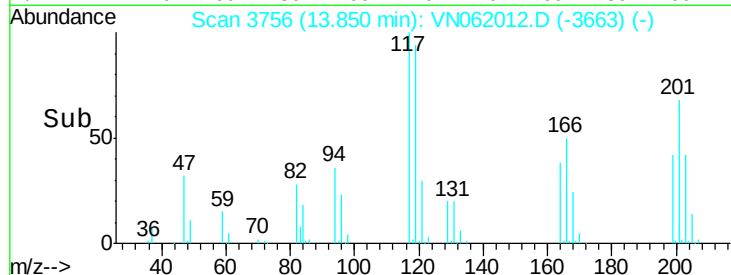
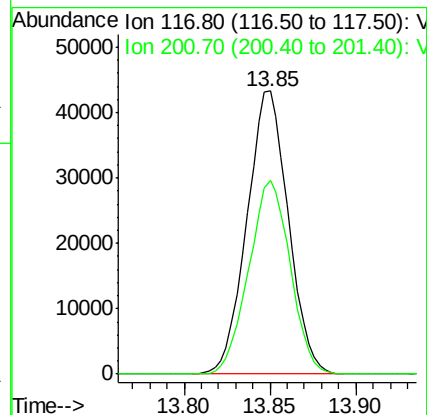
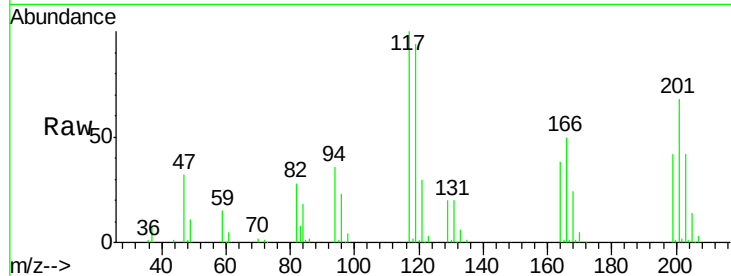
117 100

201 68.4 34.6 103.8

Manual Integrations
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#91

1,2-Dichlorobenzene

Concen: 54.085 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

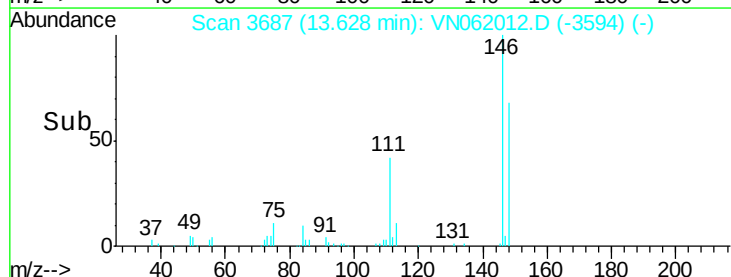
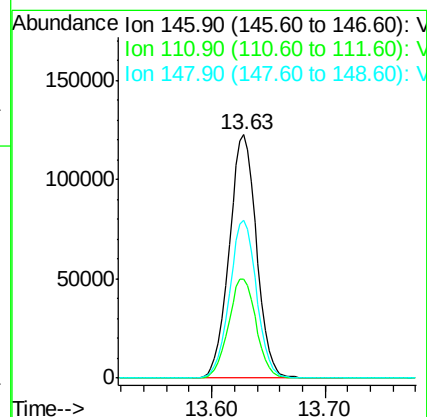
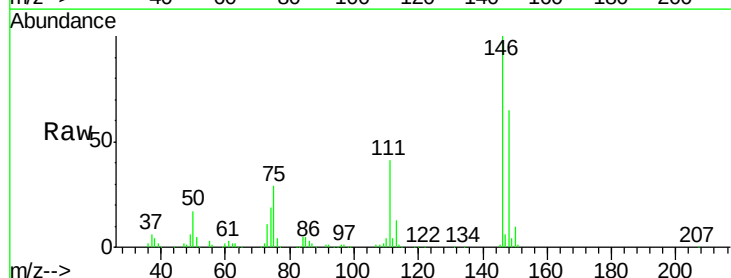
Tgt Ion:146 Resp: 205471

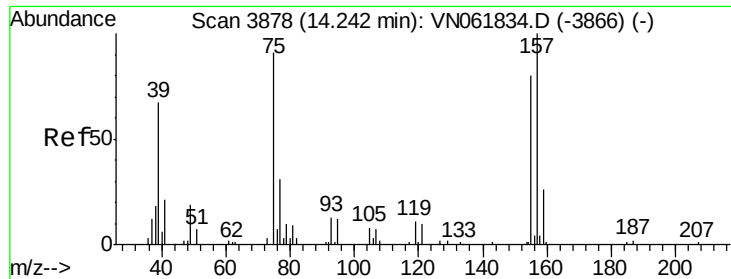
Ion Ratio Lower Upper

146 100

111 41.4 20.4 61.2

148 64.3 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 60.193 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

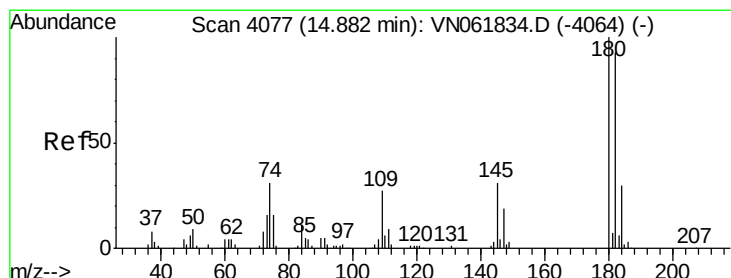
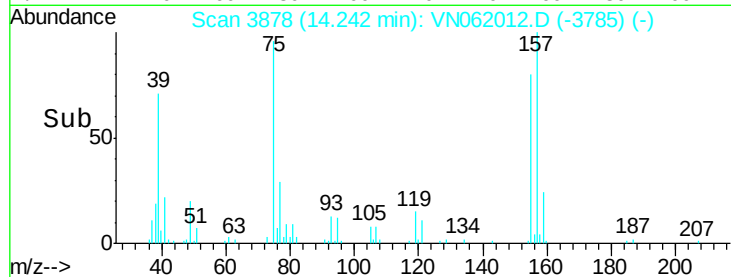
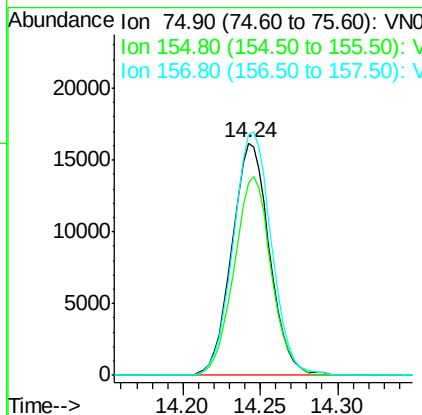
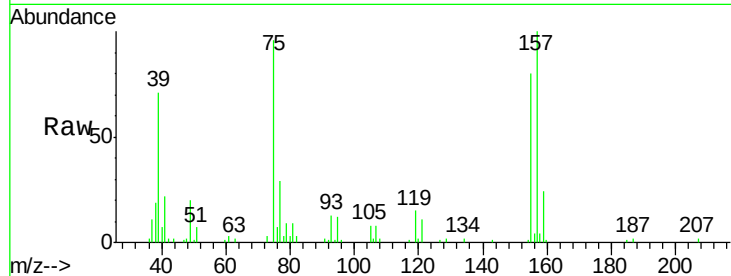
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	75	Resp:	27247
Ion	Ratio	Lower	Upper
75	100		
155	84.4	44.4	133.2
157	106.8	57.0	171.2

Manual Integrations
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#93

1,2,4-Trichlorobenzene

Concen: 48.938 ug/l

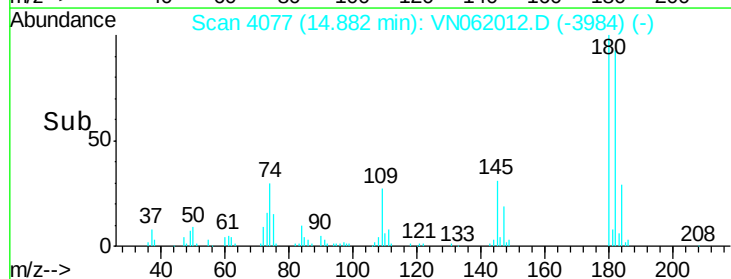
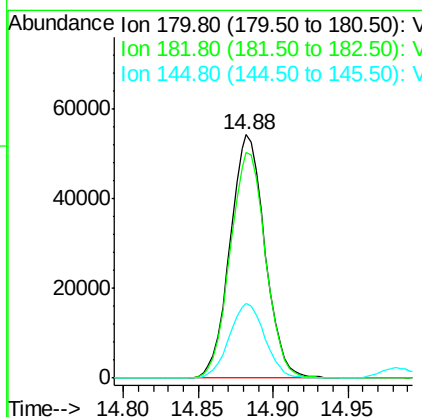
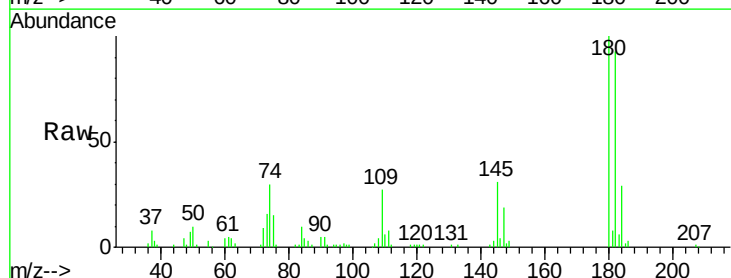
RT: 14.88 min Scan# 4077

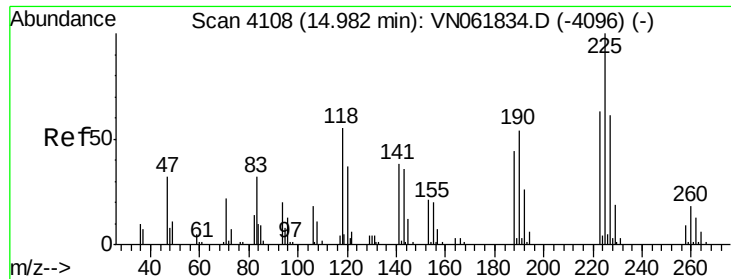
Delta R.T. -0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	180	Resp:	87730
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.2
145	31.4	15.8	47.3





#94

Hexachlorobutadiene

Concen: 45.403 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Instrument :

MSVOA_N

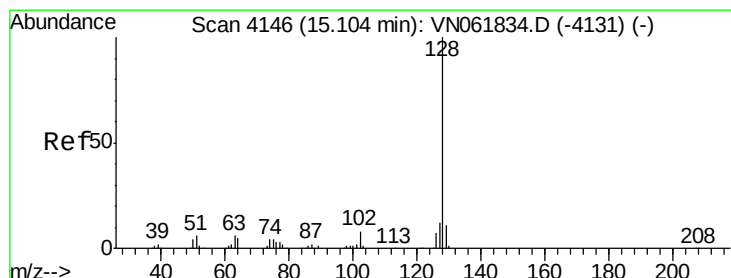
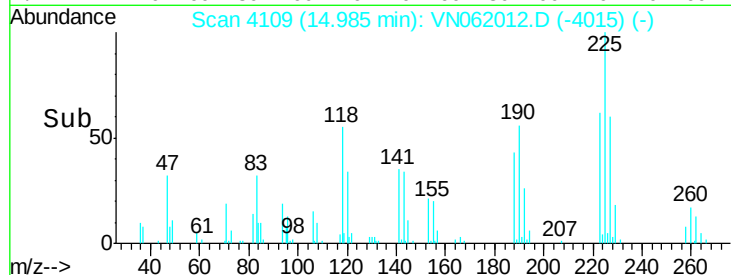
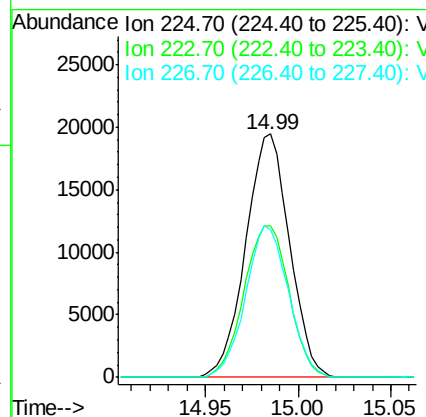
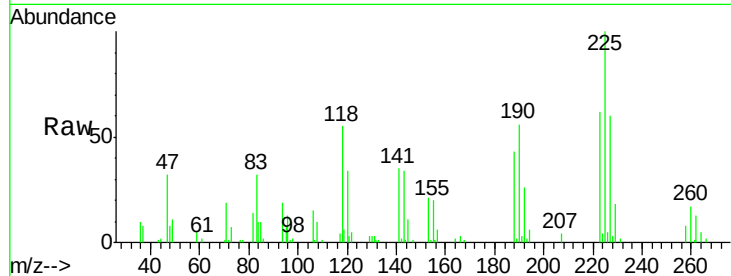
ClientSampleId :

RE139D2-20200616MSD

Tot Ion:	225	Resp:	32057
Ion Ratio		Lower	Upper
225	100		
223	64.0	31.7	95.1
227	60.8	30.1	90.3

Manual Integrations
APPROVED

MMDadoda
6/23/2020 12:47:32 PM



#95

Naphthalene

Concen: 47.112 ug/l

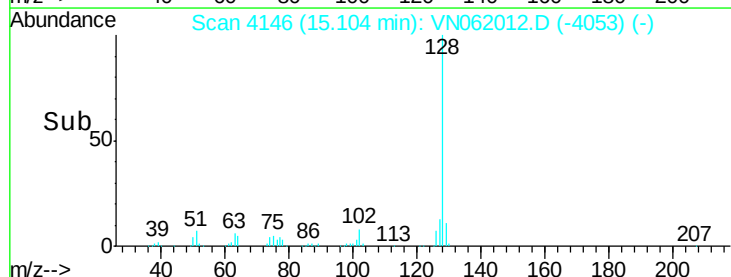
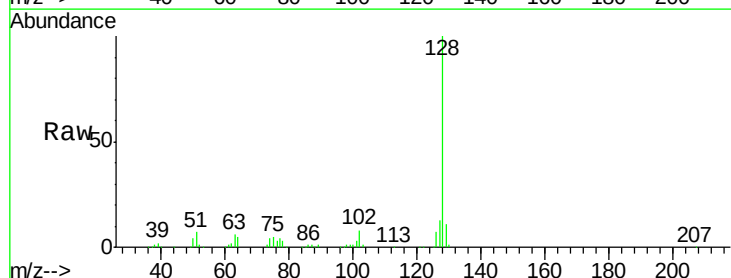
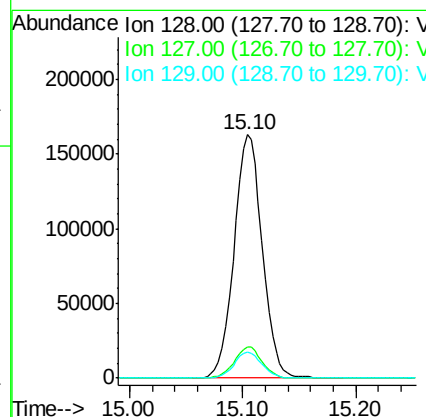
RT: 15.10 min Scan# 4146

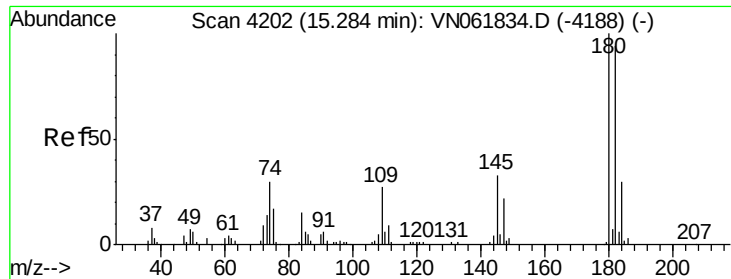
Delta R.T. 0.00 min

Lab File: VN062012.D

Acq: 22 Jun 2020 20:19

Tgt Ion:	128	Resp:	281527
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0





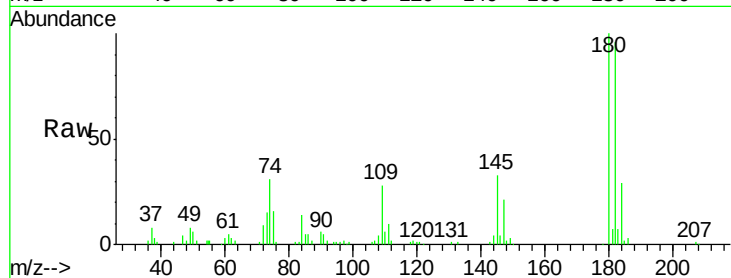
#96
 1,2,3-Trichlorobenzene
 Concen: 51.685 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. -0.00 min
 Lab File: VN062012.D
 Acq: 22 Jun 2020 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 RE139D2-20200616MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	33.3	16.5	49.5

Manual Integrations
 APPROVED

MMDadoda
 6/23/2020 12:47:32 PM



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

