

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061152.D
 Acq On : 27 Apr 2020 16:49
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 8:14:37 PM

Quant Time: Apr 28 02:04:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	103318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	182447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	169284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	80505	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	29768	21.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.02%	
35) Dibromofluoromethane	7.55	113	19619	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	10.06	98	77115	17.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.72%	
62) 4-Bromofluorobenzene	12.38	95	28090	16.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	21776	22.156	ug/l	100
3) Chloromethane	2.03	50	25521	21.298	ug/l	97
4) Vinyl Chloride	2.16	62	29375	20.390	ug/l	98
5) Bromomethane	2.54	94	14737	21.035	ug/l	97
6) Chloroethane	2.67	64	19012	24.180	ug/l	97
7) Trichlorofluoromethane	2.98	101	35240	22.718	ug/l	99
8) Diethyl Ether	3.37	74	13996	19.724	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	21261	20.792	ug/l	99
10) Methyl Iodide	3.91	142	26409	18.228	ug/l	99
11) Tert butyl alcohol	4.72	59	20821	114.317	ug/l	100
12) 1,1-Dichloroethene	3.70	96	20714	19.839	ug/l	96
13) Acrolein	3.56	56	14385	106.085	ug/l	92
14) Allyl chloride	4.27	41	39464	23.337	ug/l	93
15) Acrylonitrile	4.93	53	64144	113.264	ug/l	99
16) Acetone	3.77	43	64272	94.356	ug/l	99
17) Carbon Disulfide	4.01	76	59502	19.316	ug/l	99
18) Methyl Acetate	4.27	43	38414	20.828	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	78723	21.126	ug/l	97
20) Methylene Chloride	4.50	84	24426	20.146	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	22754	18.290	ug/l	96
22) Diisopropyl ether	5.90	45	88691	22.602	ug/l	99
23) Vinyl Acetate	5.84	43	357523	113.565	ug/l	99
24) 1,1-Dichloroethane	5.80	63	47069	21.980	ug/l	99
25) 2-Butanone	6.78	43	91931	117.782	ug/l	98
26) 2,2-Dichloropropane	6.77	77	37985	20.107	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	26411	19.079	ug/l	100
28) Bromochloromethane	7.15	49	23169	24.946	ug/l	99
29) Tetrahydrofuran	7.17	42	63048	117.408	ug/l	100
30) Chloroform	7.33	83	48433	22.375	ug/l	97
31) Cyclohexane	7.61	56	43641	20.310	ug/l	93
32) 1,1,1-Trichloroethane	7.53	97	40798	21.141	ug/l	98
36) 1,1-Dichloropropene	7.75	75	34942	19.530	ug/l	99
37) Ethyl Acetate	6.88	43	40699	22.144	ug/l	100
38) Carbon Tetrachloride	7.73	117	28150	18.115	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	38060	17.649	ug/l	98
40) Benzene	8.00	78	103259	19.524	ug/l	100
41) Methacrylonitrile	7.12	41	15334	18.212	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	40465	21.167	ug/l	98
43) Isopropyl Acetate	8.13	43	66324	21.310	ug/l	99
44) Trichloroethene	8.80	130	27772	18.265	ug/l	98
45) 1,2-Dichloropropane	9.08	63	28182	20.044	ug/l	98
46) Dibromomethane	9.17	93	18083	20.183	ug/l	98
47) Bromodichloromethane	9.37	83	36643	20.565	ug/l	100
48) Methyl methacrylate	9.17	41	29106	19.953	ug/l	97
49) 1,4-Dioxane	9.17	88	6311	295.686	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	198041	108.635	ug/l	100
52) Toluene	10.12	92	62898	19.031	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	40156	18.573	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	42478	18.938	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	24890	19.533	ug/l	98
56) Ethyl methacrylate	10.40	69	36754	18.833	ug/l	97
57) 1,3-Dichloropropane	10.68	76	43887	20.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	98490	97.826	ug/l	100
59) 2-Hexanone	10.72	43	145712	108.320	ug/l	99
60) Dibromochloromethane	10.87	129	25060	18.814	ug/l	99
61) 1,2-Dibromoethane	10.98	107	25690	19.600	ug/l	97
64) Tetrachloroethene	10.60	164	28723	17.020	ug/l	100
65) Chlorobenzene	11.41	112	63152	18.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	23182	19.146	ug/l	99
67) Ethyl Benzene	11.48	91	119096	18.657	ug/l	99
68) m/p-Xylenes	11.60	106	87237	36.702	ug/l	98
69) o-Xylene	11.92	106	41644	18.157	ug/l	100
70) Styrene	11.94	104	70441	18.897	ug/l	99
71) Bromoform	12.10	173	16711	18.404	ug/l #	99
73) Isopropylbenzene	12.22	105	114440	18.913	ug/l	100
74) N-amyl acetate	12.04	43	56542	20.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	36196	21.809	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	31836m	17.474	ug/l	
77) Bromobenzene	12.50	156	26108	17.884	ug/l	99
78) n-propylbenzene	12.56	91	134410	18.892	ug/l	99
79) 2-Chlorotoluene	12.65	91	79377	19.201	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	94225	18.499	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	12210	17.567	ug/l	99
82) 4-Chlorotoluene	12.75	91	82063	18.682	ug/l	99
83) tert-Butylbenzene	12.97	119	79858	18.692	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	96663	18.995	ug/l	100
85) sec-Butylbenzene	13.15	105	107910	18.606	ug/l	99
86) p-Isopropyltoluene	13.26	119	96665	18.385	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	48002	18.413	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	47919	18.144	ug/l	99
89) n-Butylbenzene	13.59	91	86843	18.094	ug/l	99
90) Hexachloroethane	13.85	117	7413	17.470	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	47454	19.530	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	7923	21.954	ug/l	96

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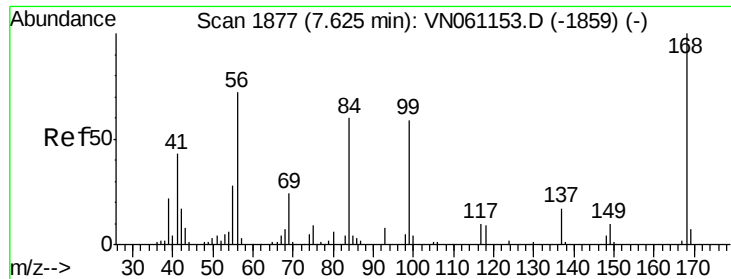
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	27867	17.295	ug/l	98
94) Hexachlorobutadiene	14.98	225	11828	16.946	ug/l	99
95) Naphthalene	15.10	128	91161	18.181	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	28151	18.145	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

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Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 103318

Ion Ratio Lower Upper

168 100

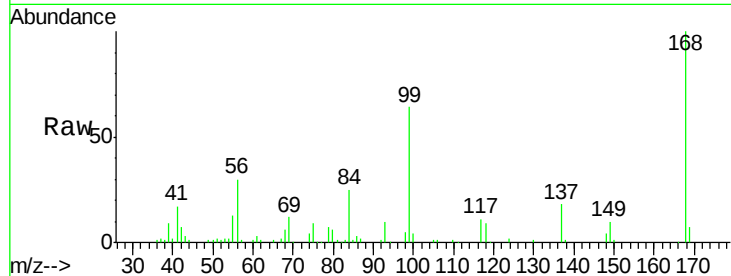
99 64.4 51.2 76.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

40000

30000

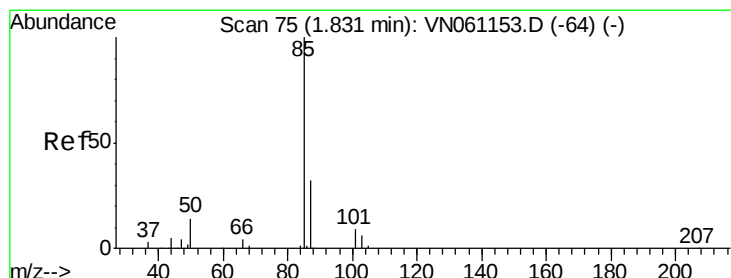
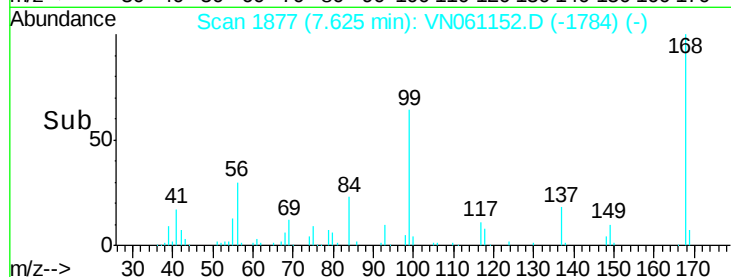
20000

10000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 22.156 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061152.D

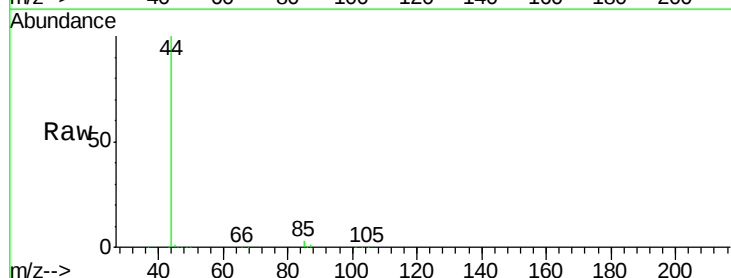
Acq: 27 Apr 2020 16:49

Tgt Ion: 85 Resp: 21776

Ion Ratio Lower Upper

85 100

87 32.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

15000

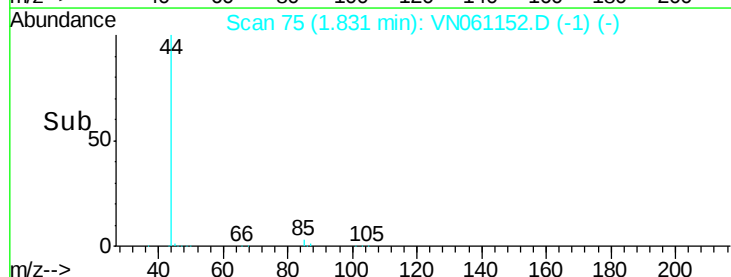
10000

5000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 21.298 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 25521

Ion Ratio Lower Upper

50 100

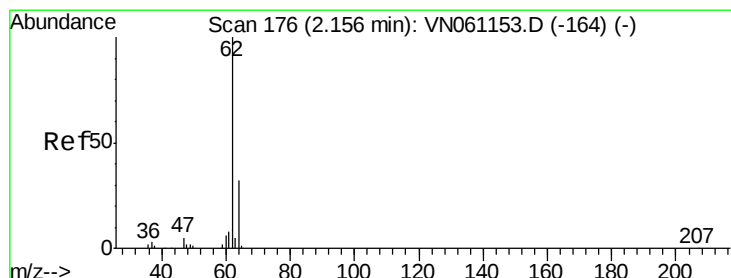
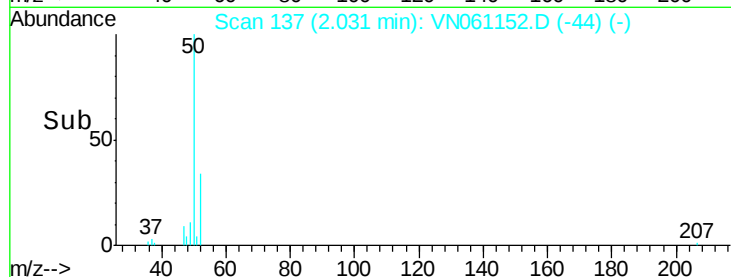
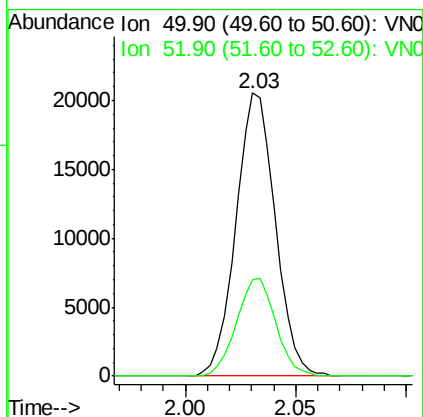
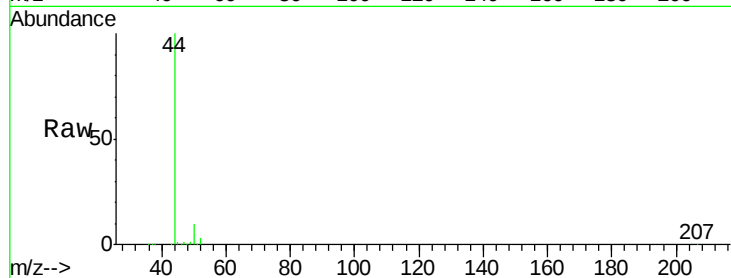
52 34.2 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.390 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061152.D

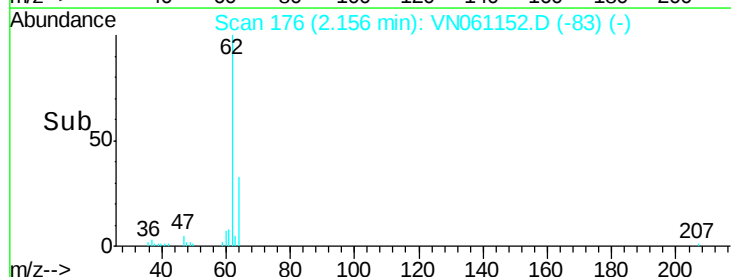
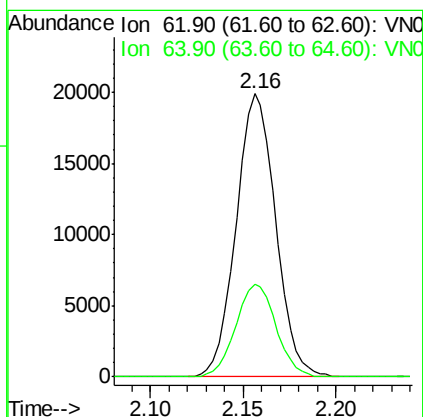
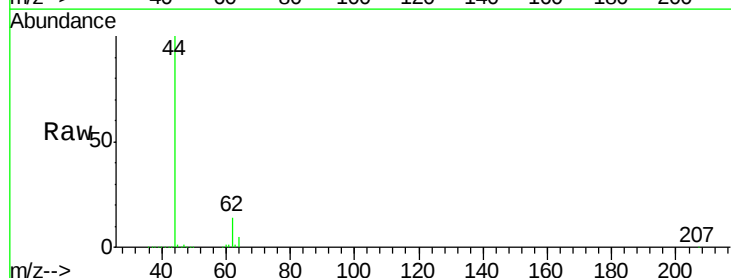
Acq: 27 Apr 2020 16:49

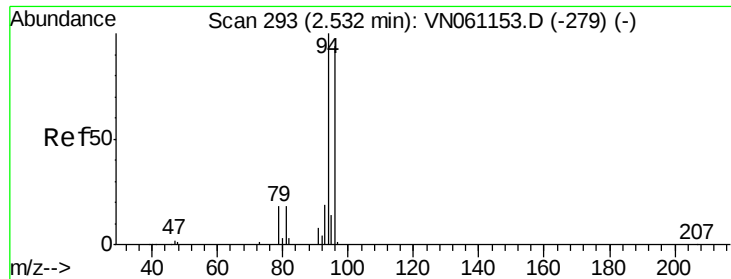
Tgt Ion: 62 Resp: 29375

Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8





#5

Bromomethane

Concen: 21.035 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.01 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 14737

Ion Ratio Lower Upper

94 100

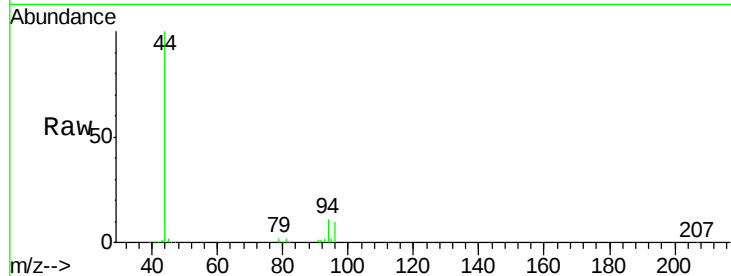
96 96.9 75.1 112.7

Manual Integrations

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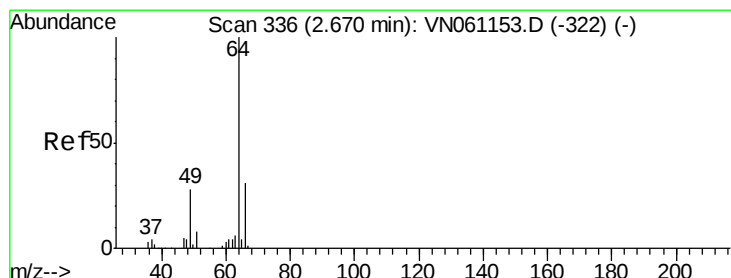
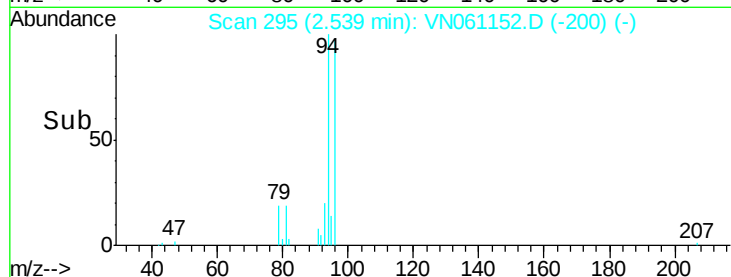
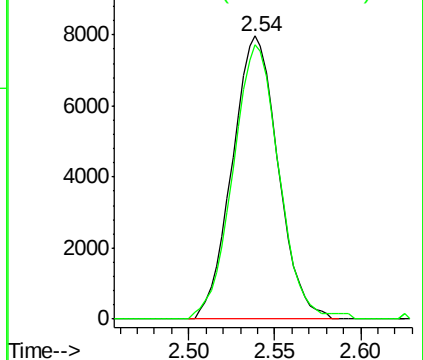
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 24.180 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061152.D

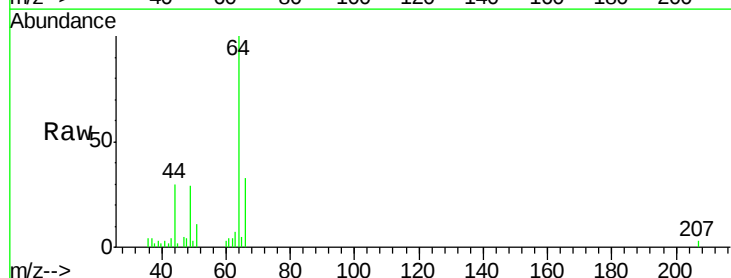
Acq: 27 Apr 2020 16:49

Tgt Ion: 64 Resp: 19012

Ion Ratio Lower Upper

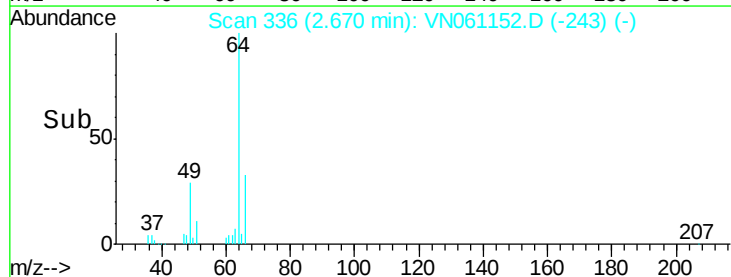
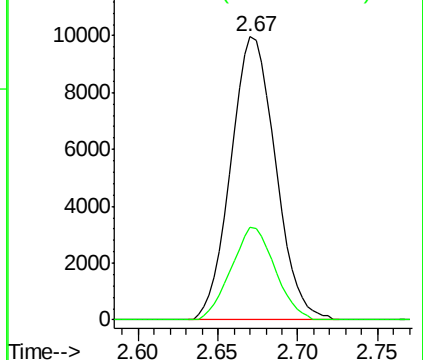
64 100

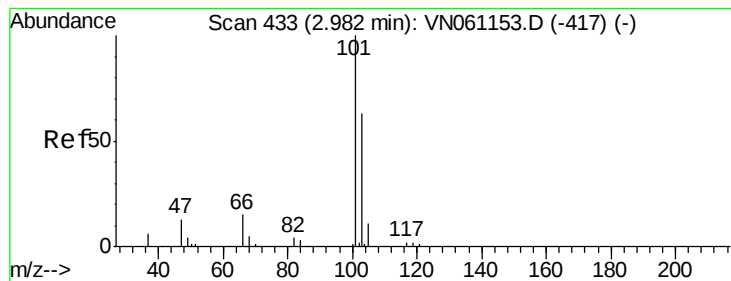
66 32.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

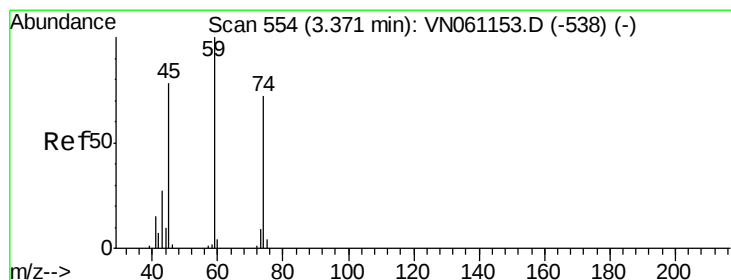
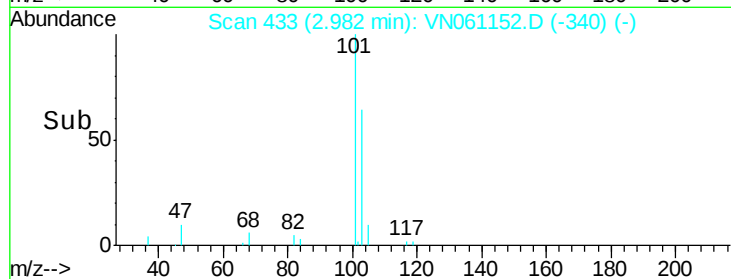
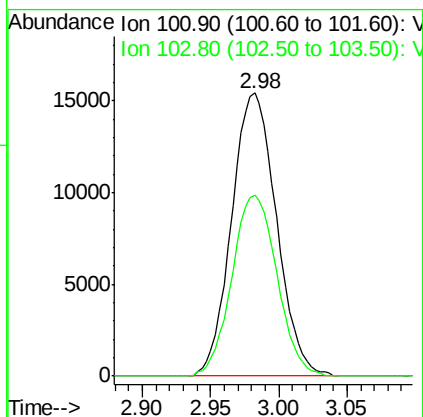
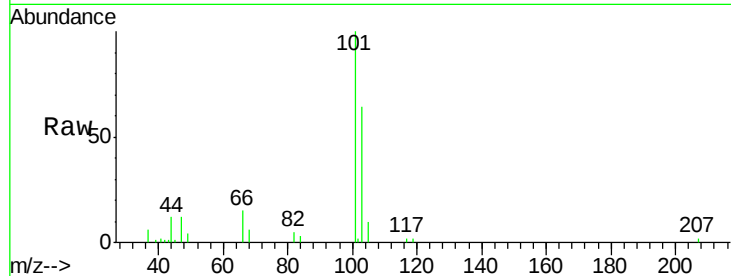
Trichlorofluoromethane
Concen: 22.718 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061152.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	50.6	76.0

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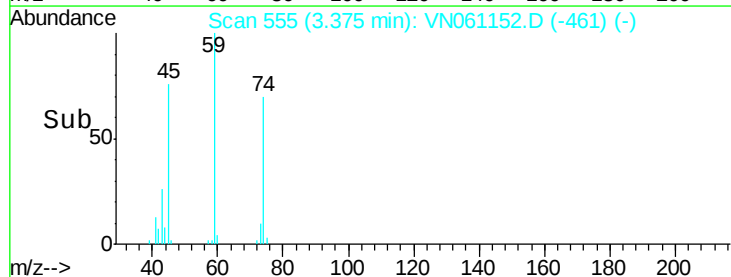
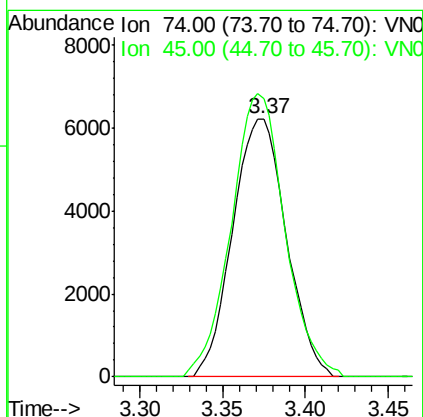
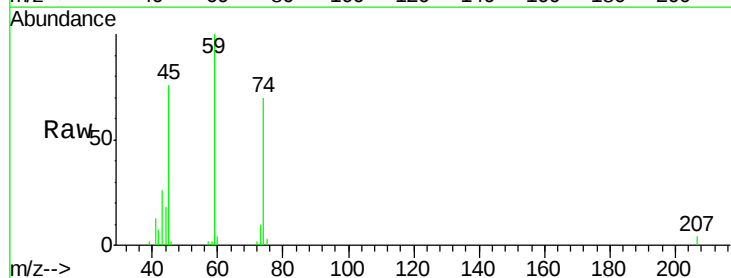
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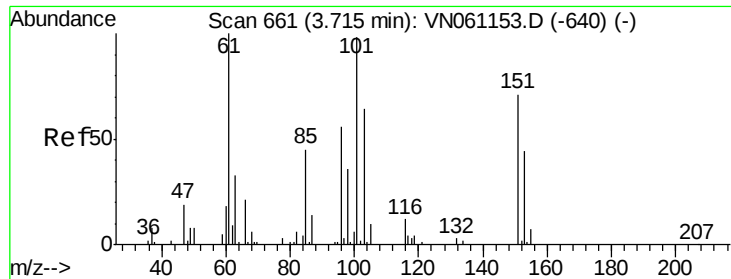


#8

Diethyl Ether
Concen: 19.724 ug/l
RT: 3.37 min Scan# 555
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.9	53.3	160.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.792 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

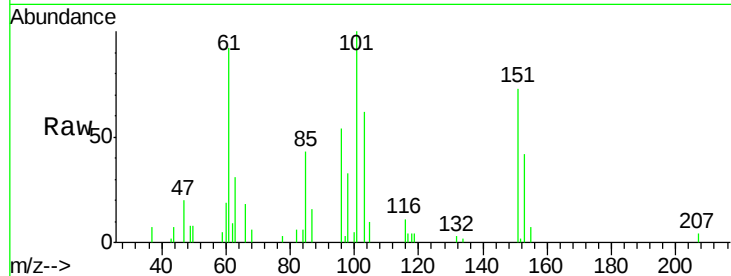
ClientSampleId :

VSTDIC020

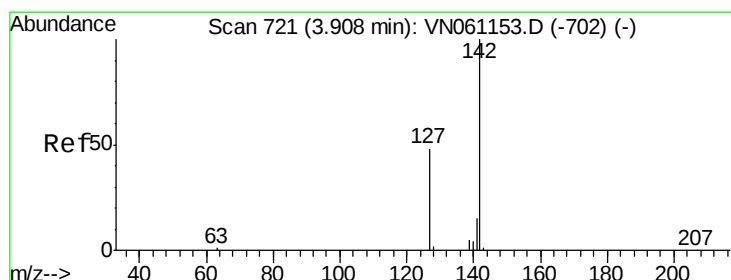
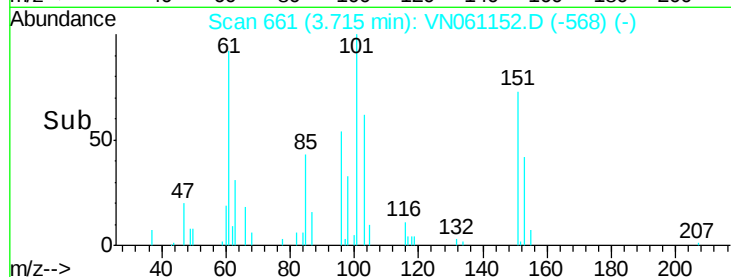
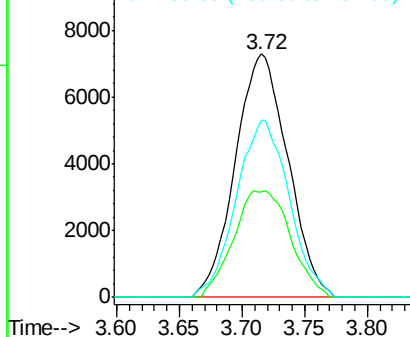
Tot Ion:	101	Resp:	21261
Ion Ratio	Lower	Upper	
101	100		
85	47.3	37.2	55.8
151	73.3	57.7	86.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.228 ug/l

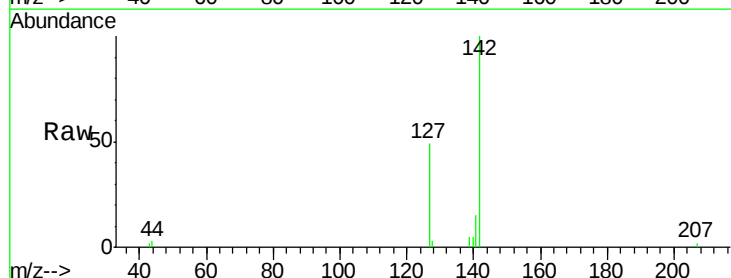
RT: 3.91 min Scan# 721

Delta R.T. 0.00 min

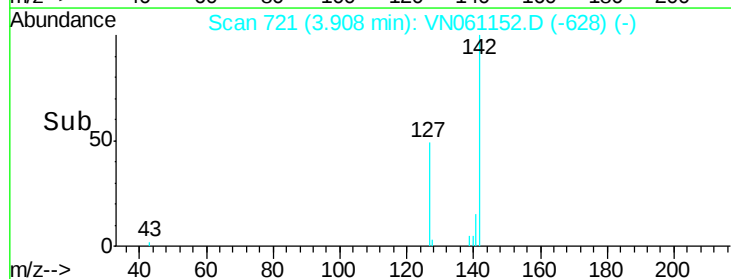
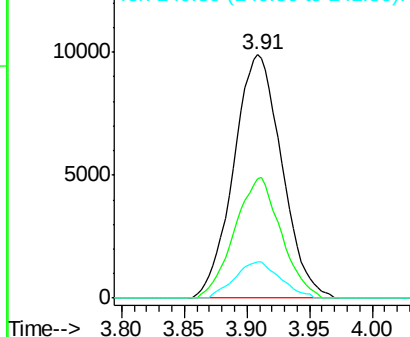
Lab File: VN061152.D

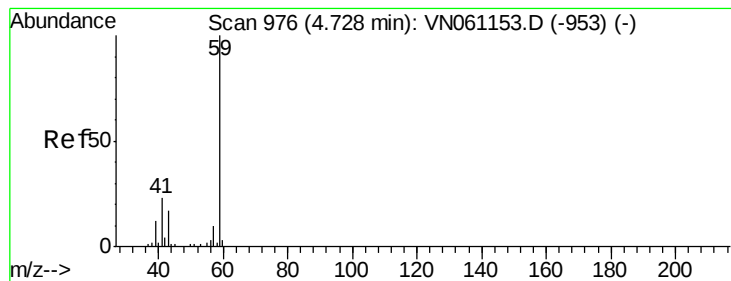
Acq: 27 Apr 2020 16:49

Tgt Ion:	142	Resp:	26409
Ion Ratio	Lower	Upper	
142	100		
127	47.9	38.0	57.0
141	14.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

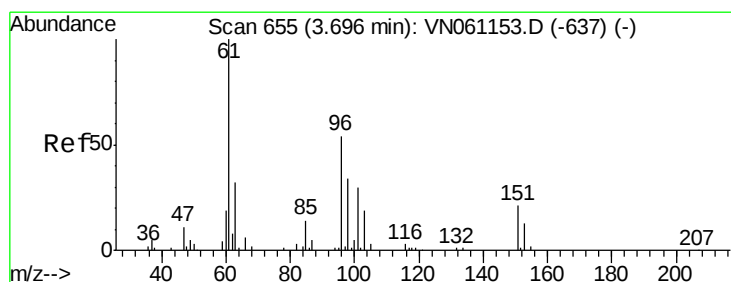
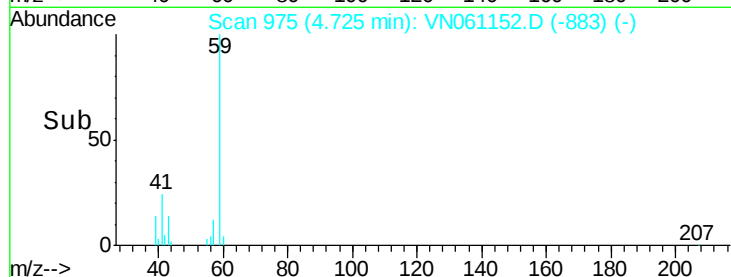
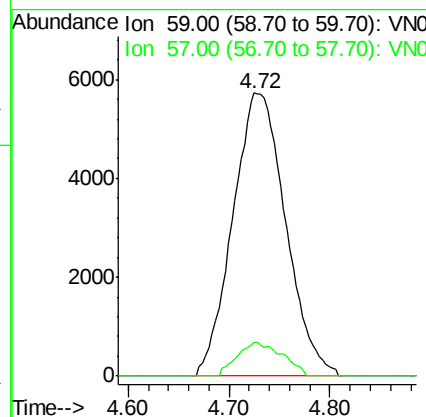
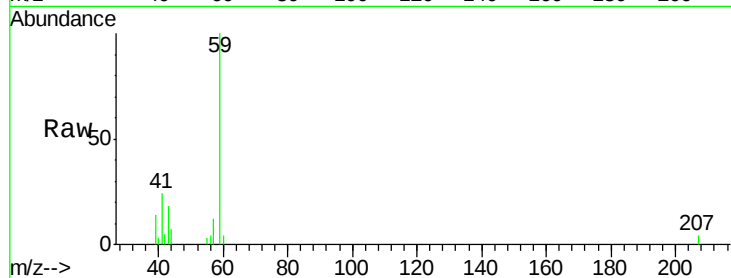
Tert butyl alcohol
 Concen: 114.317 ug/l
 RT: 4.72 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.3	12.5

Manual Integrations
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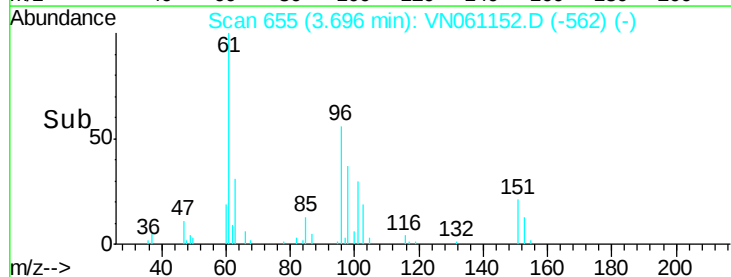
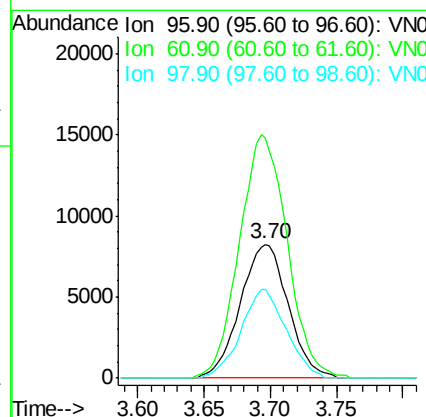
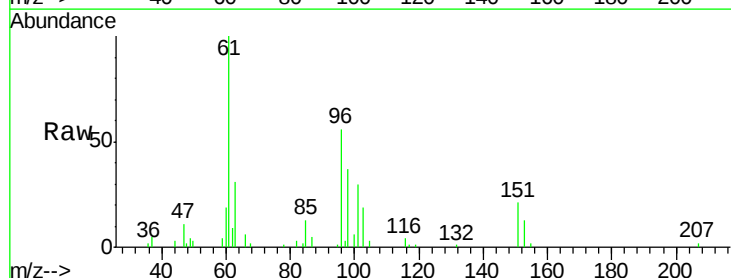
MMDadoda
 4/28/2020 8:14:37 PM

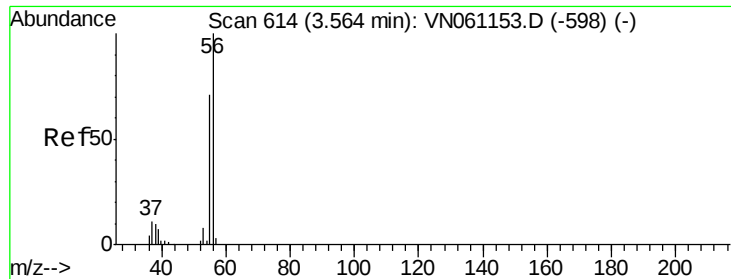


#12

1,1-Dichloroethene
 Concen: 19.839 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.4	147.0	220.6
98	66.2	49.8	74.6





#13

Acrolein

Concen: 106.085 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 14385

Ion Ratio Lower Upper

56 100

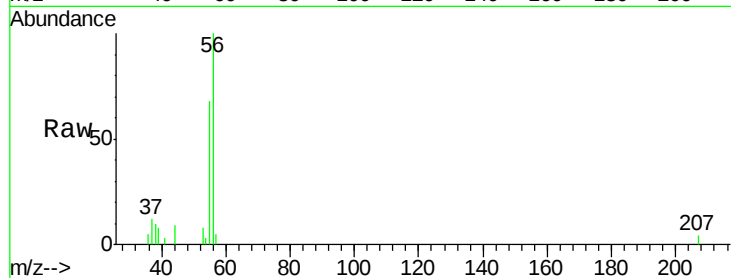
55 66.7 58.5 87.7

Manual Integrations

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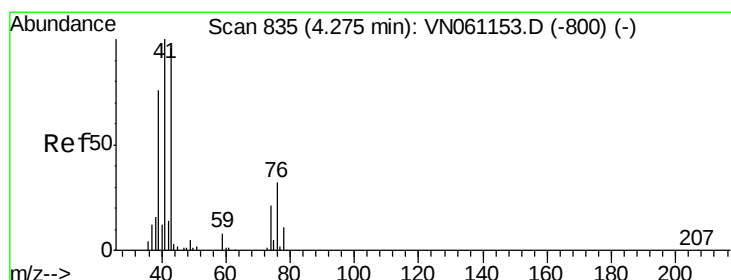
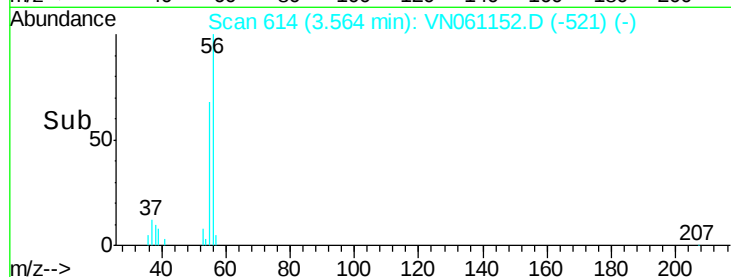
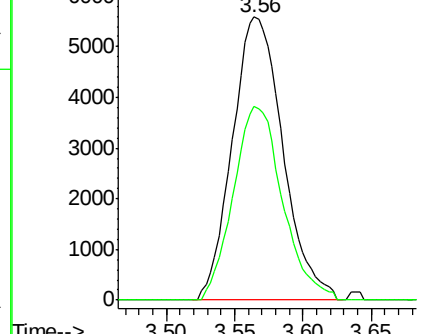
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 23.337 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

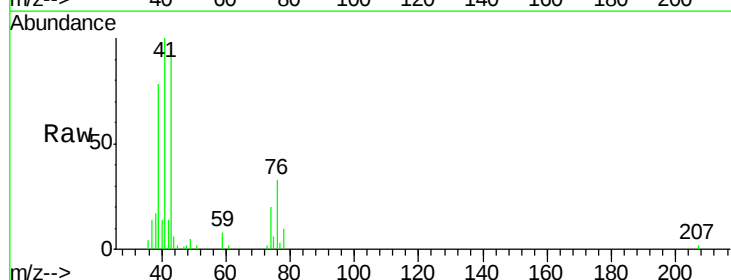
Tgt Ion: 41 Resp: 39464

Ion Ratio Lower Upper

41 100

39 78.1 57.1 85.7

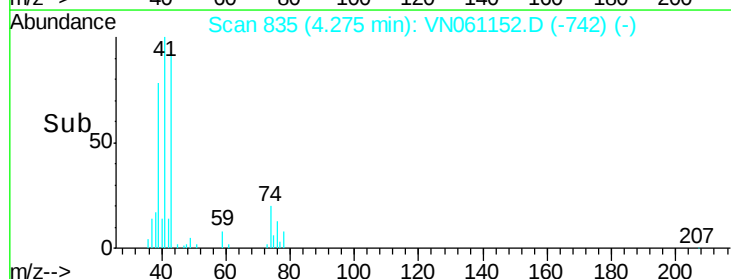
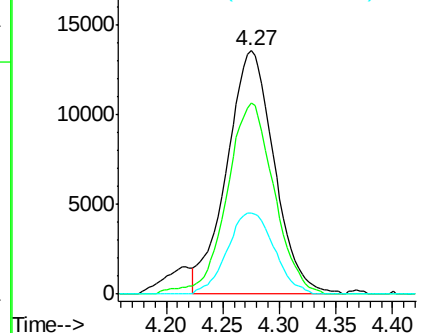
76 33.0 24.3 36.5

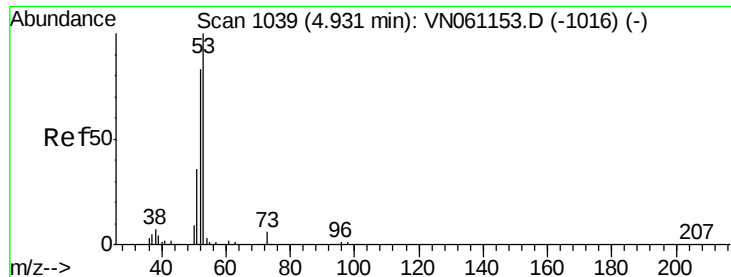


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 113.264 ug/l

RT: 4.93 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

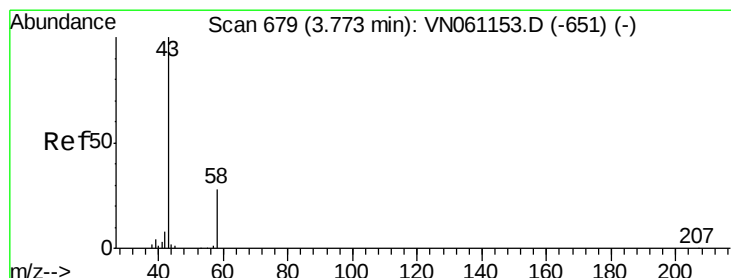
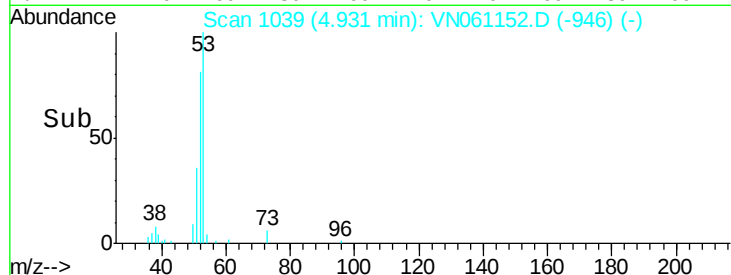
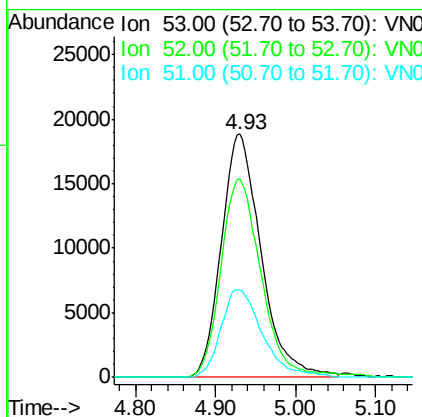
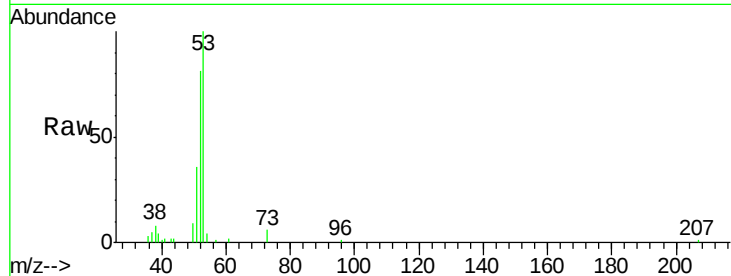
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	64144
Ion Ratio	Lower	Upper	
53	100		
52	82.3	65.4	98.0
51	37.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 94.356 ug/l

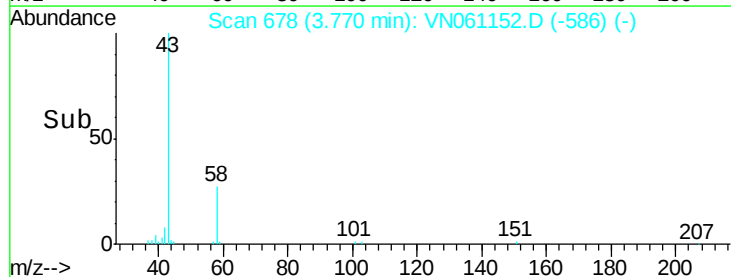
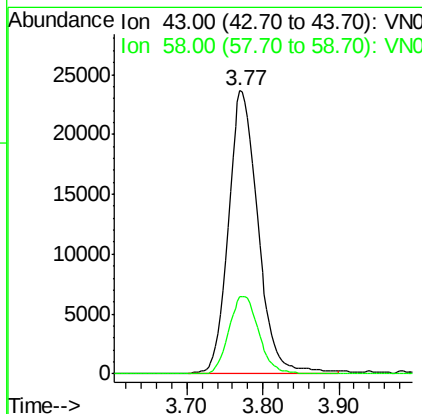
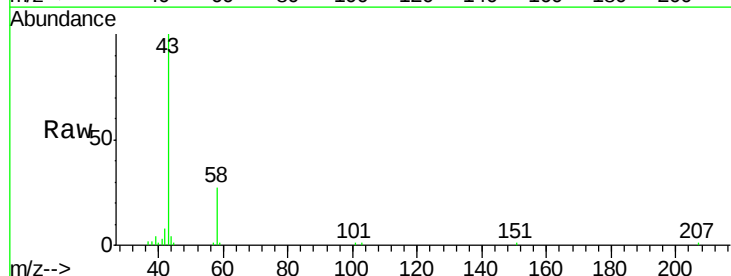
RT: 3.77 min Scan# 678

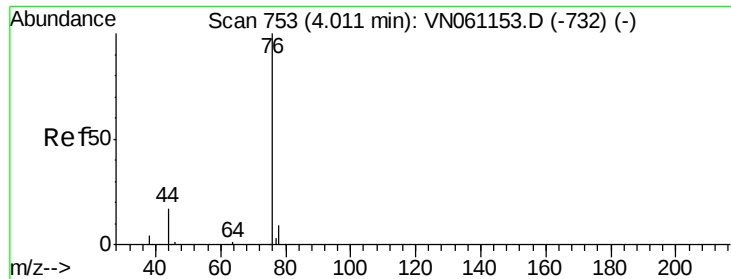
Delta R.T. -0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:	43	Resp:	64272
Ion Ratio	Lower	Upper	
43	100		
58	27.2	22.2	33.2





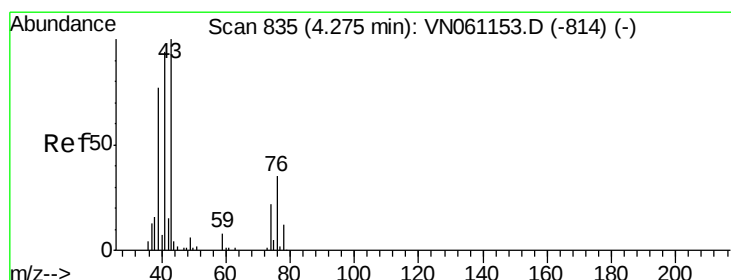
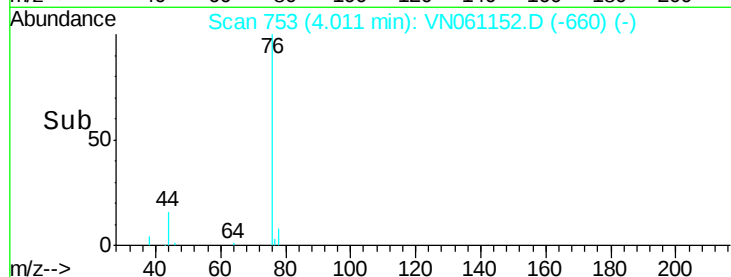
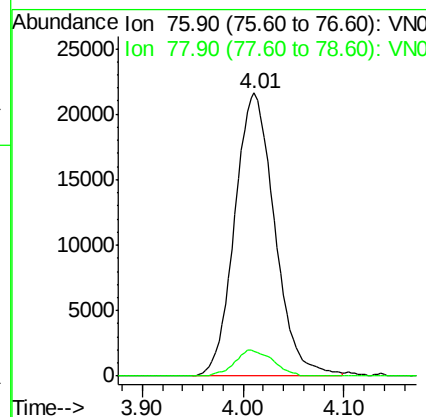
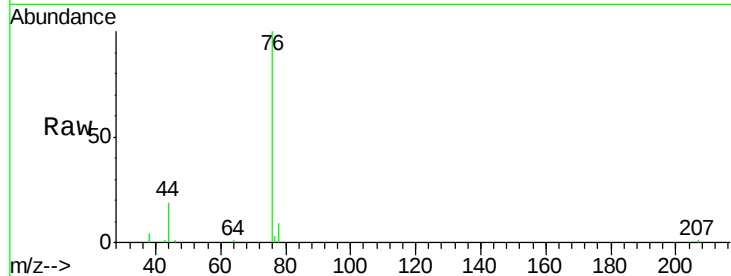
#17
Carbon Disulfide
Concen: 19.316 ug/l
RT: 4.01 min Scan# 753
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 59502
Ion Ratio Lower Upper
76 100
78 8.7 7.2 10.8

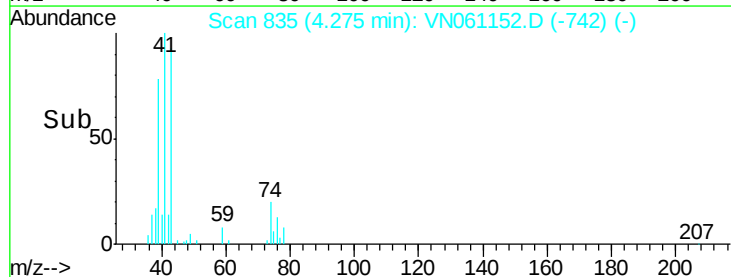
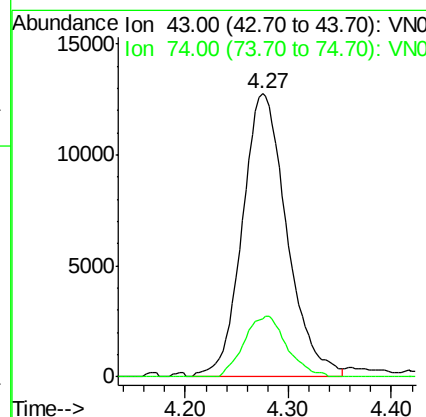
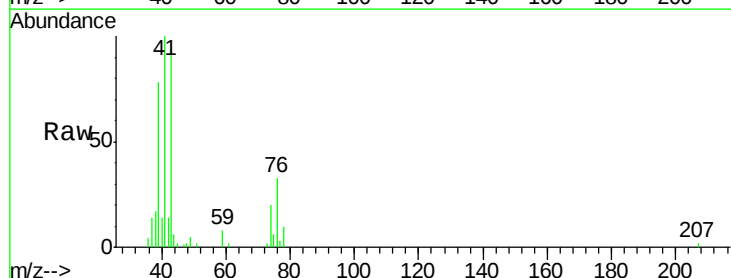
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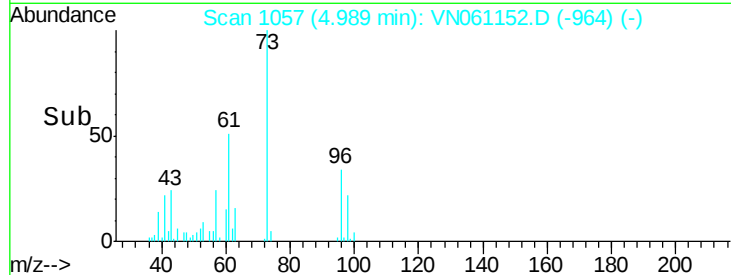
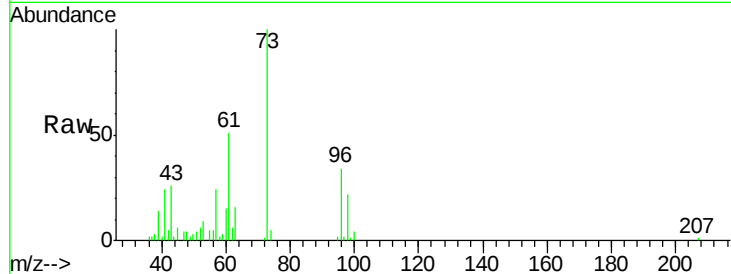
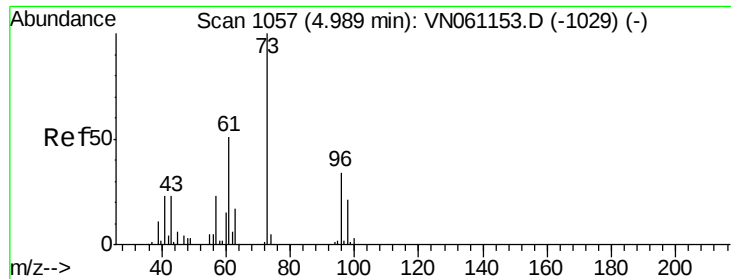
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#18
Methyl Acetate
Concen: 20.828 ug/l
RT: 4.27 min Scan# 835
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 43 Resp: 38414
Ion Ratio Lower Upper
43 100
74 20.5 17.0 25.4





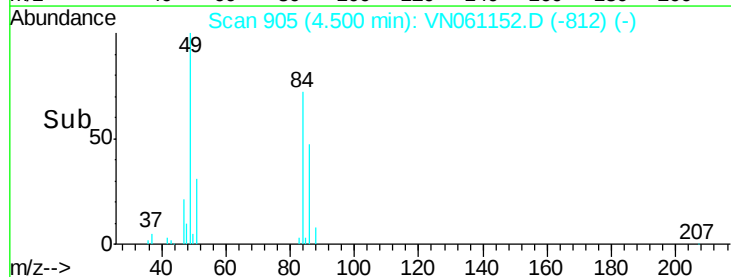
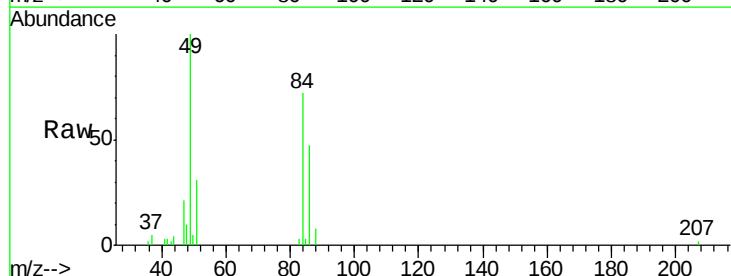
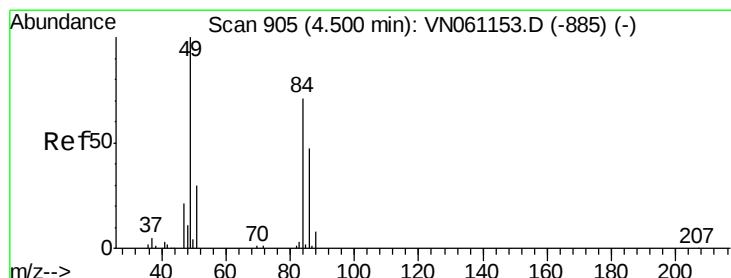
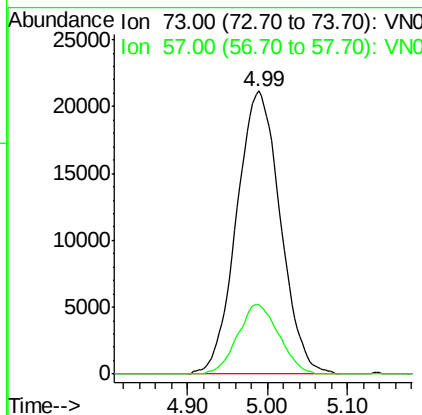
#19
Methyl tert-butyl Ether
Concen: 21.126 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tot Ion: 73 Resp: 78723
Ion Ratio Lower Upper
73 100
57 24.5 18.3 27.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

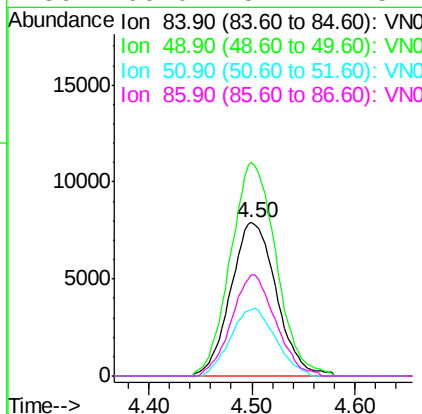
Manual Integrations
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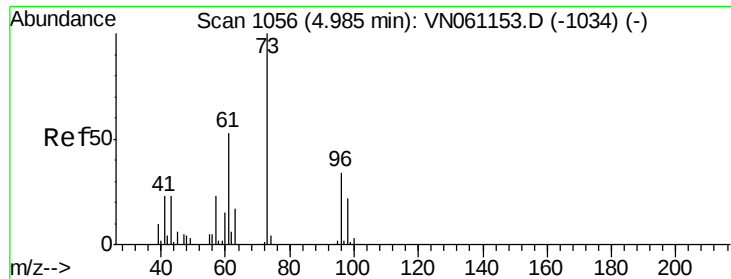
MMDadoda
4/28/2020 8:14:37 PM



#20
Methylene Chloride
Concen: 20.146 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion: 84 Resp: 24426
Ion Ratio Lower Upper
84 100
49 139.3 112.0 168.0
51 43.8 33.6 50.4
86 66.0 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 18.290 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

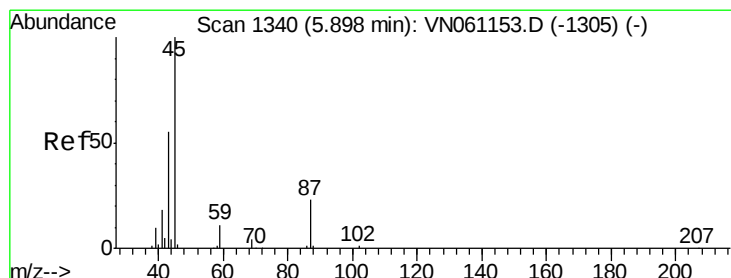
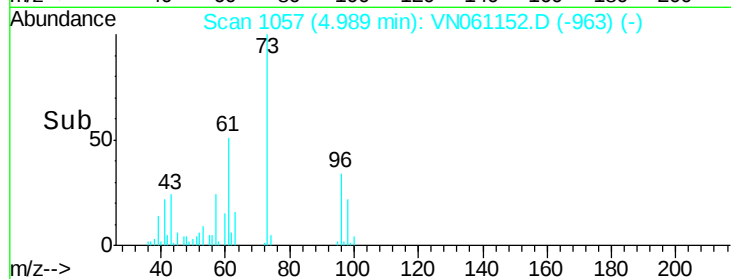
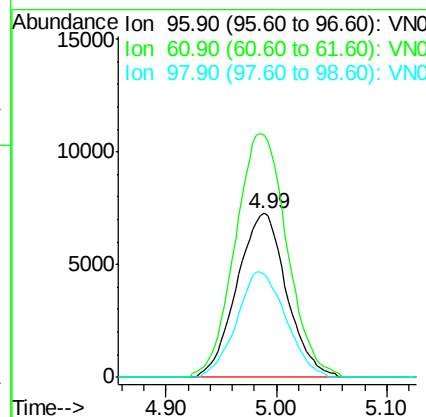
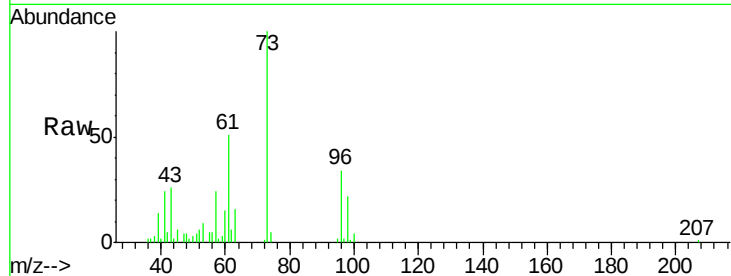
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	22754
Ion	Ratio	Lower	Upper
96	100		
61	147.4	123.0	184.4
98	62.8	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.602 ug/l

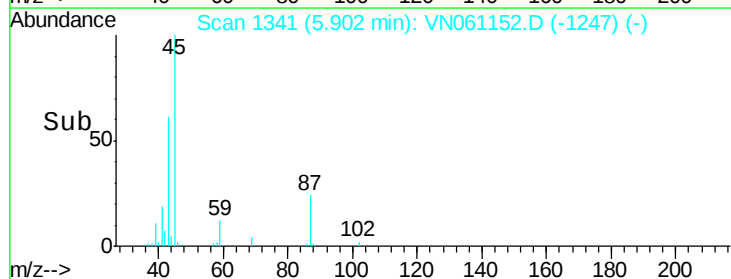
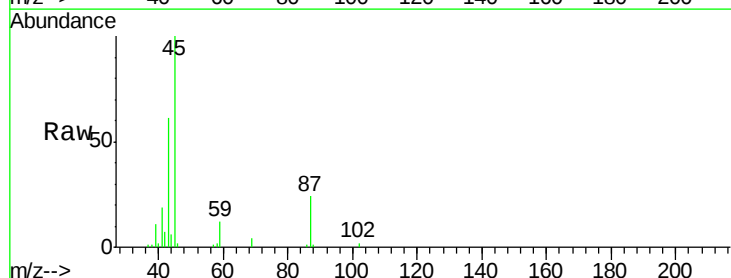
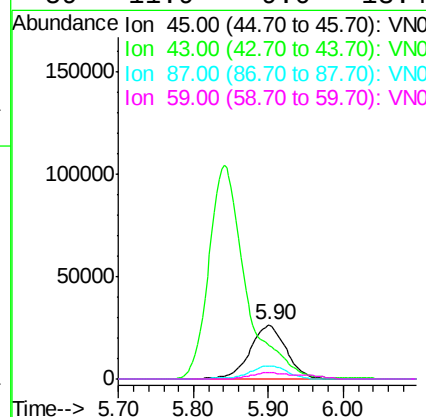
RT: 5.90 min Scan# 1341

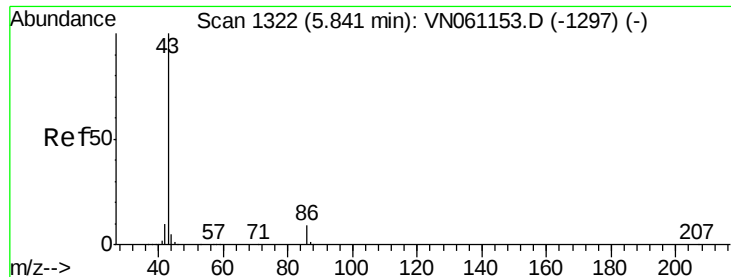
Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:	45	Resp:	88691
Ion	Ratio	Lower	Upper
45	100		
43	59.1	47.9	71.9
87	24.5	19.2	28.8
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 113.565 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 357523

Ion Ratio Lower Upper

43 100

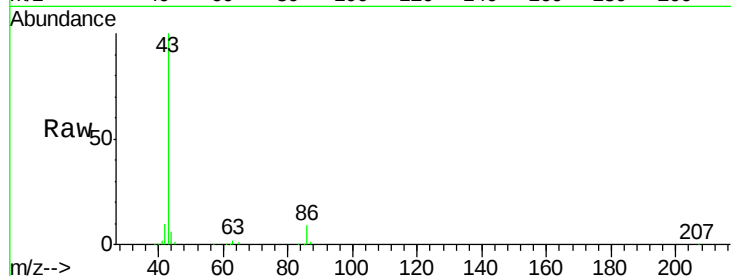
86 9.2 7.2 10.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

120000

100000

80000

60000

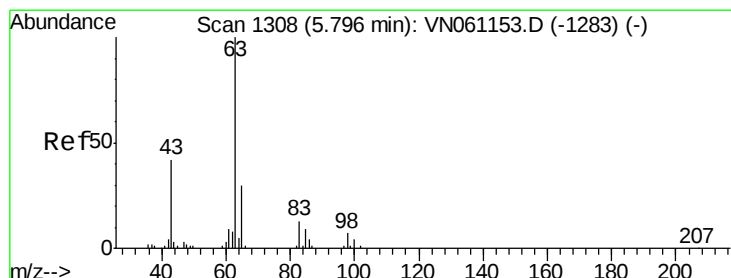
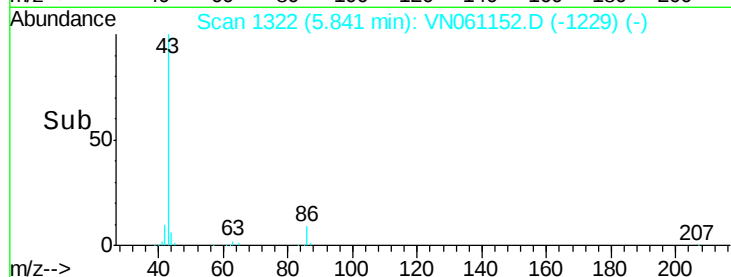
40000

20000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 21.980 ug/l

RT: 5.80 min Scan# 1309

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

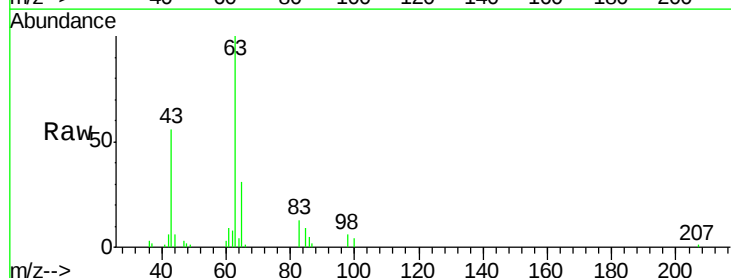
Tgt Ion: 63 Resp: 47069

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

20000

15000

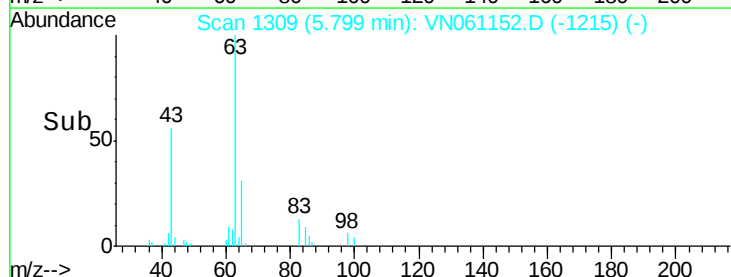
10000

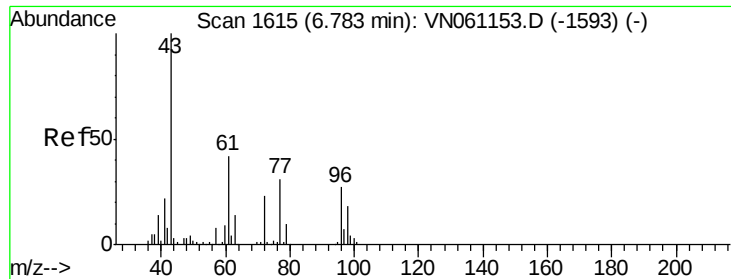
5000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 117.782 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 91931

Ion Ratio Lower Upper

43 100

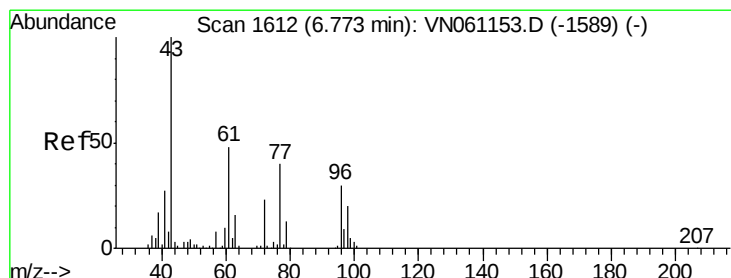
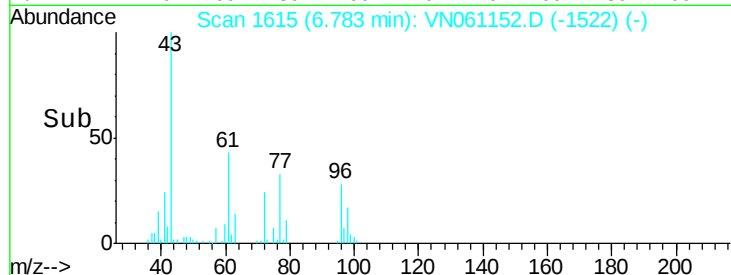
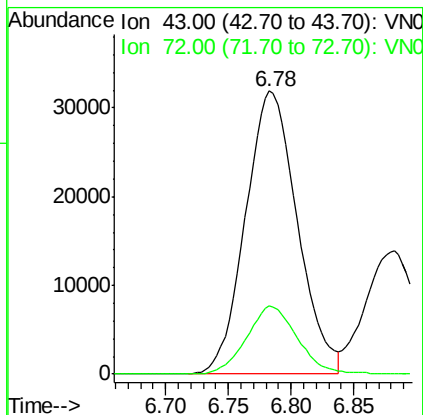
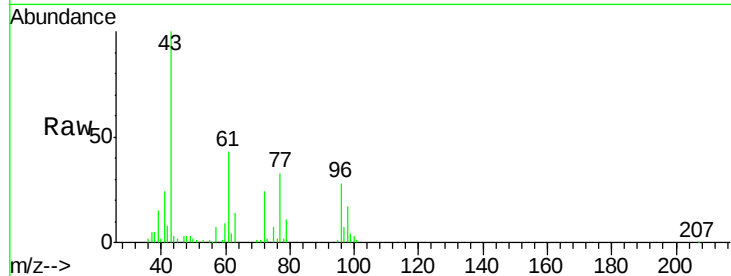
72 24.0 18.2 27.4

Manual Integrations

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MMDadoda

4/28/2020 8:14:37 PM



#26

2,2-Dichloropropane

Concen: 20.107 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061152.D

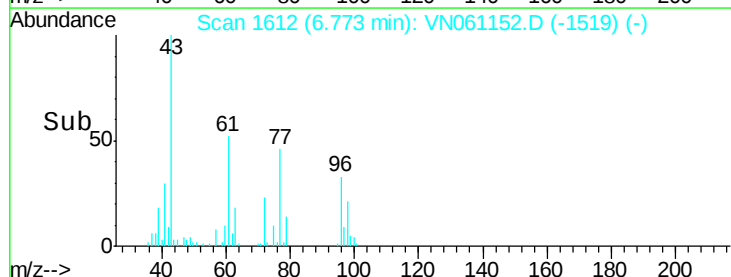
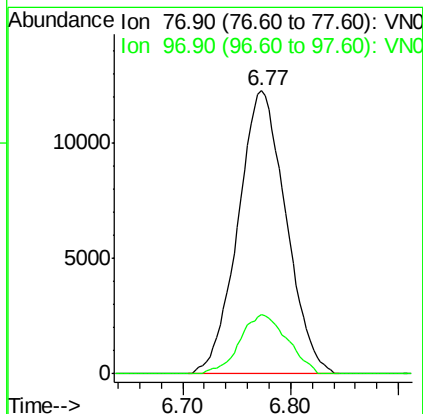
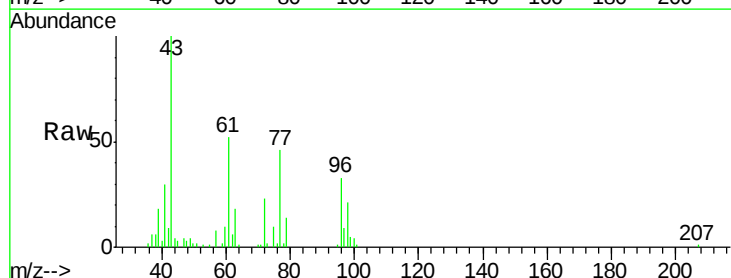
Acq: 27 Apr 2020 16:49

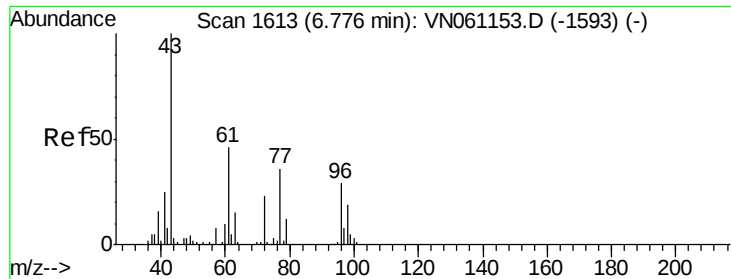
Tgt Ion: 77 Resp: 37985

Ion Ratio Lower Upper

77 100

97 20.7 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 19.079 ug/l

RT: 6.78 min Scan# 1614

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

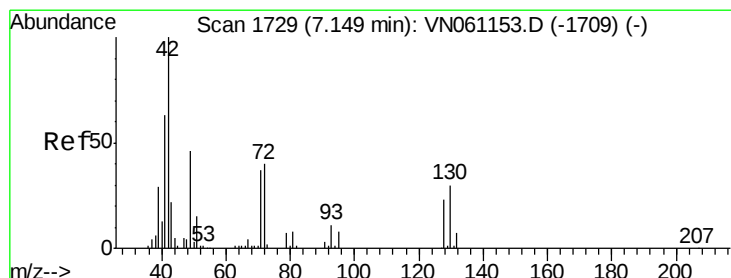
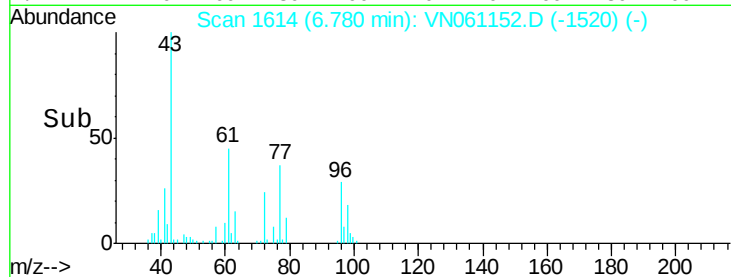
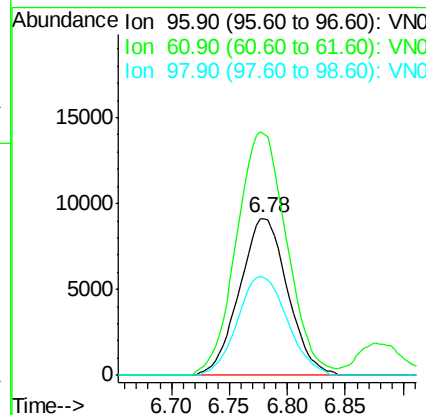
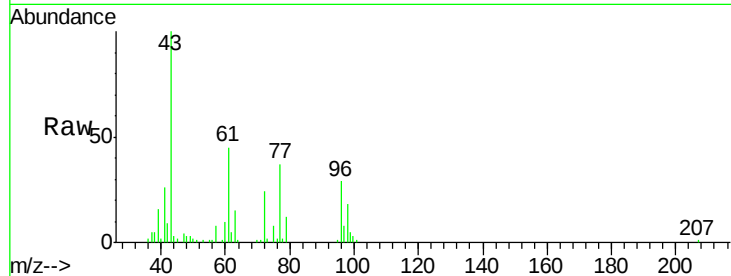
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	26411
Ion	Ratio	Lower	Upper
96	100		
61	161.7	0.0	322.0
98	65.1	0.0	129.6

Manual Integrations
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#28

Bromochloromethane

Concen: 24.946 ug/l

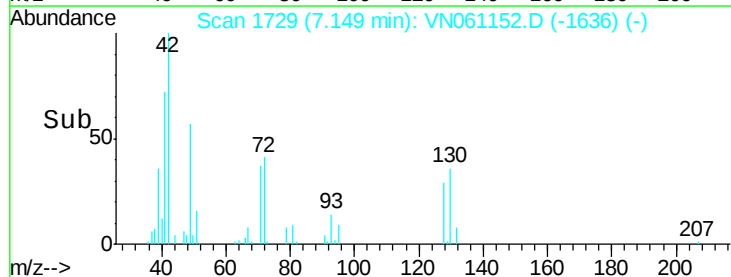
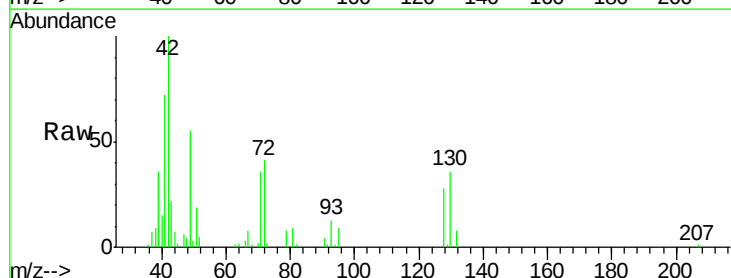
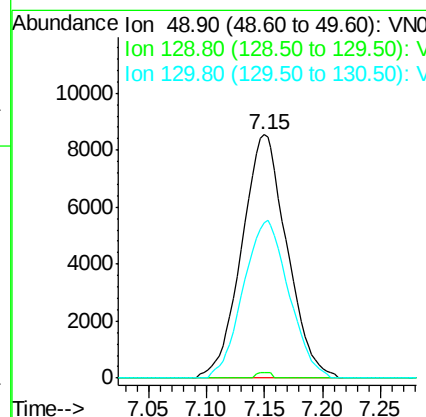
RT: 7.15 min Scan# 1729

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:	49	Resp:	23169
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	65.2	51.4	77.2





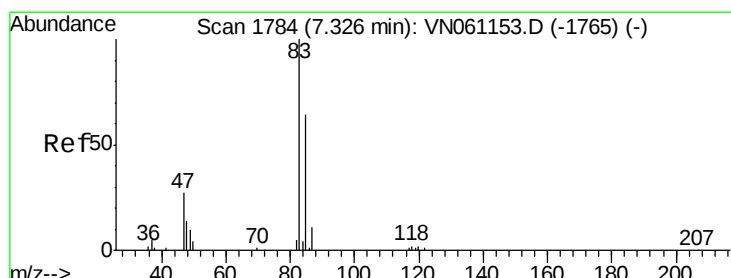
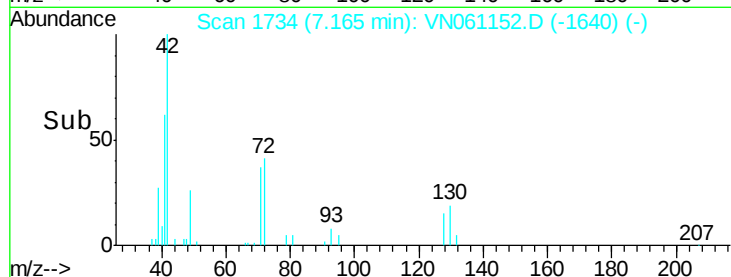
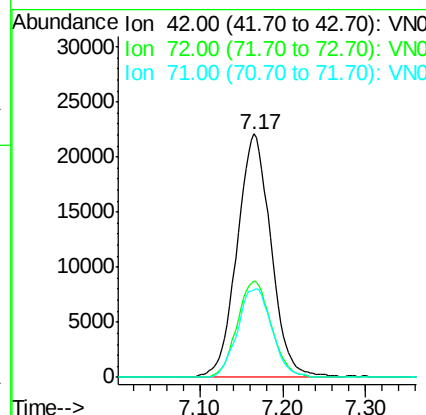
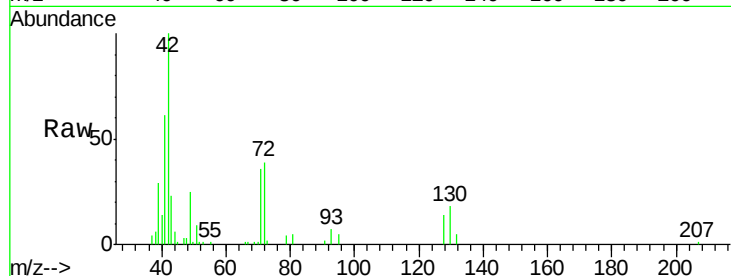
#29
Tetrahydrofuran
Concen: 117.408 ug/l
RT: 7.17 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.4	47.0
71	36.7	29.5	44.3

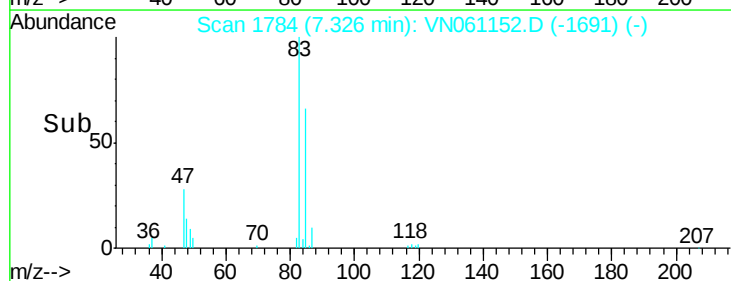
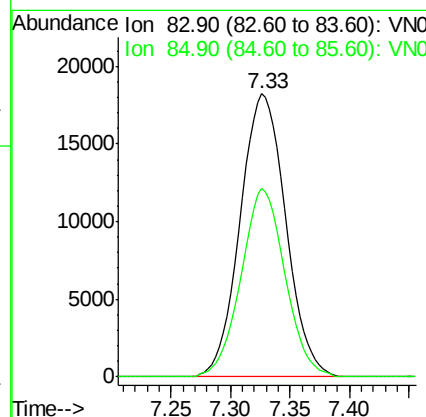
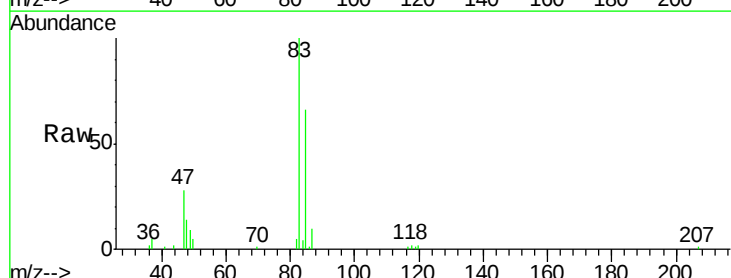
Manual Integrations
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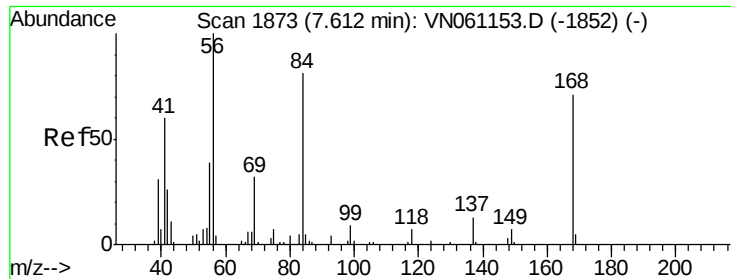
MMDadoda
4/28/2020 8:14:37 PM



#30
Chloroform
Concen: 22.375 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.1	76.7





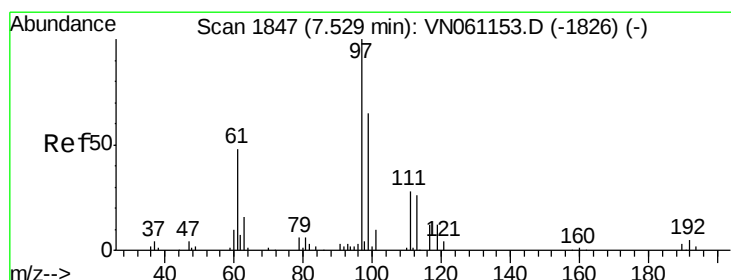
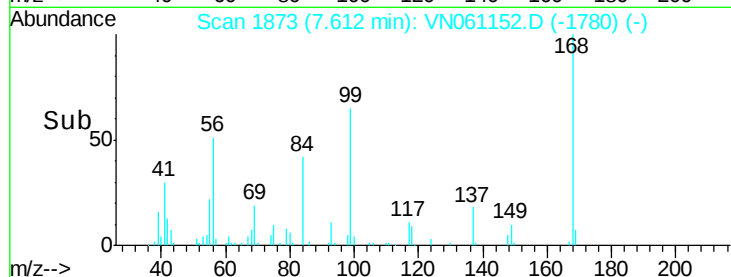
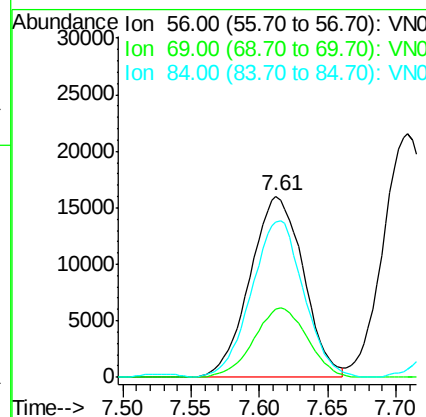
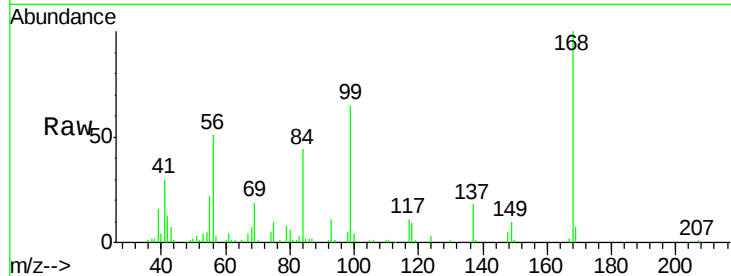
#31
Cvclohexane
Concen: 20.310 ug/l
RT: 7.61 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	25.7	38.5
84	85.5	64.6	97.0

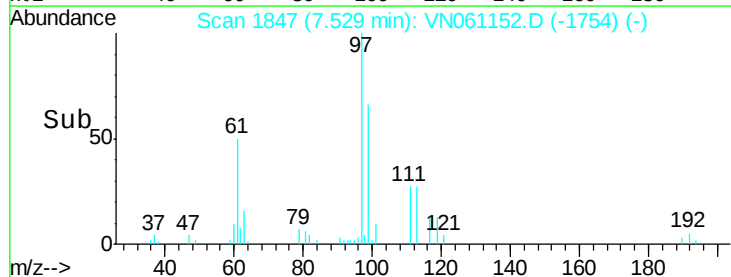
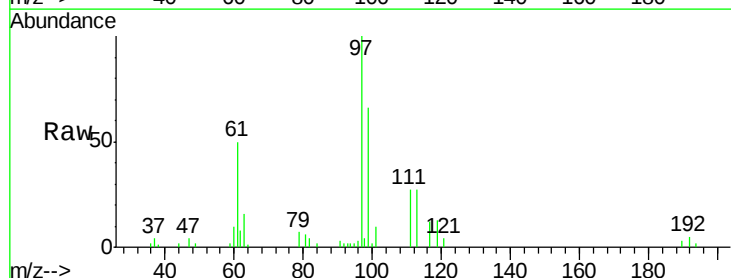
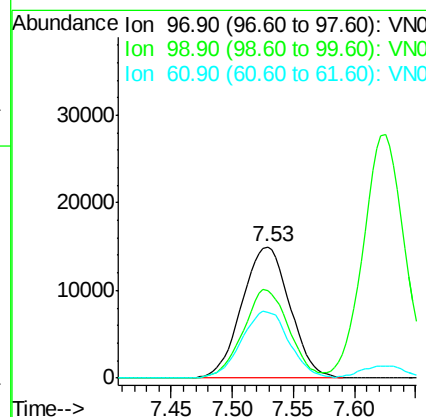
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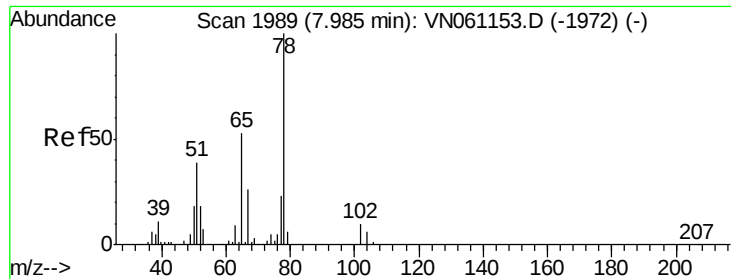
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.141 ug/l
RT: 7.53 min Scan# 1847
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	50.5	38.6	57.8





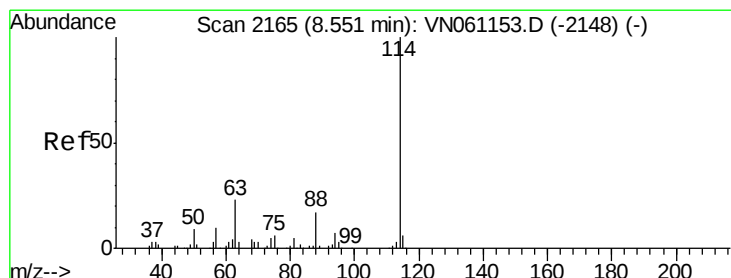
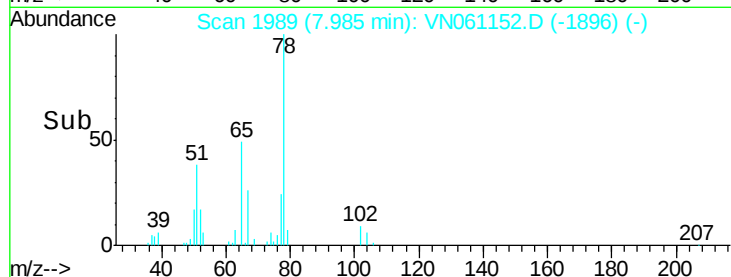
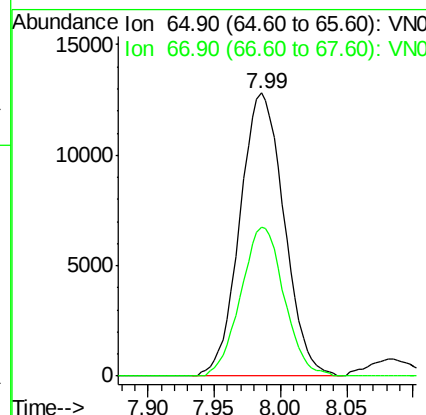
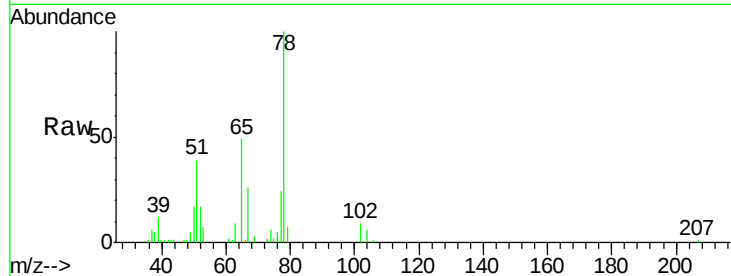
#33
 1,2-Dichloroethane-d4
 Concen: 21.007 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	29768		
67	51.5	0.0	101.6	

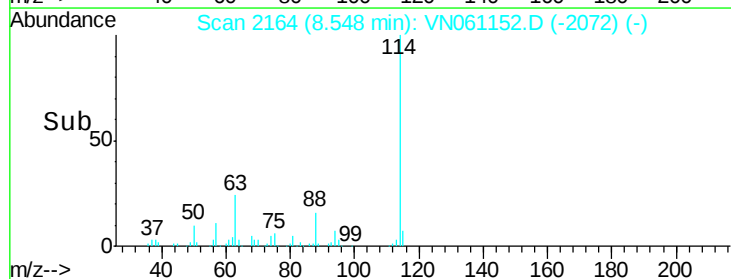
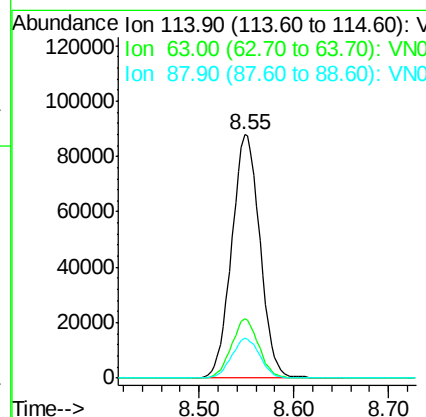
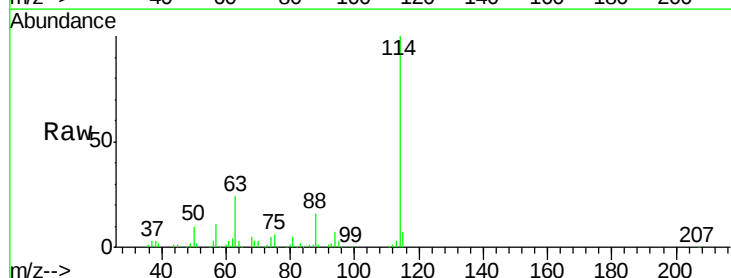
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	182447		
63	24.4	0.0	46.6	
88	16.3	0.0	33.4	





#35

Dibromofluoromethane

Concen: 18.769 ug/l

RT: 7.55 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:113 Resp: 19619

Ion Ratio Lower Upper

113 100

111 104.2 82.9 124.3

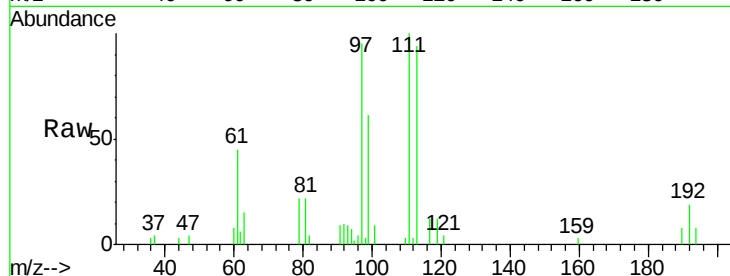
192 19.2 14.7 22.1

Manual Integrations

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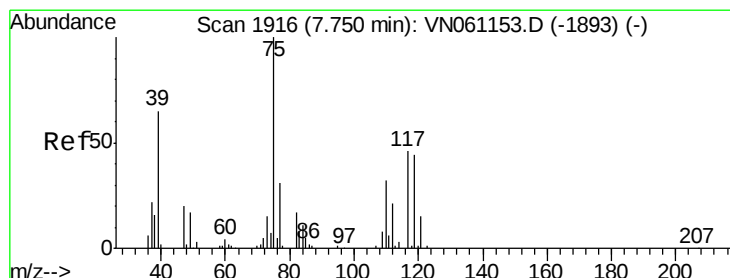
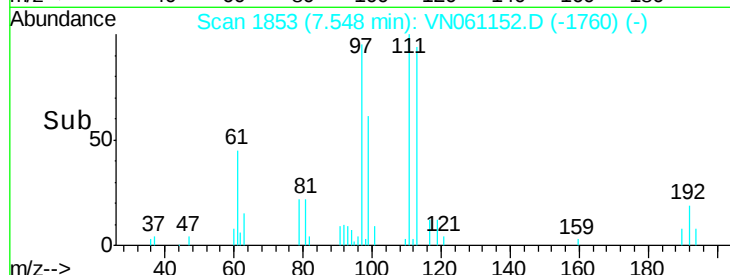
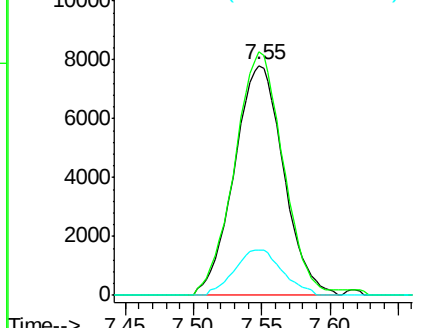
4/28/2020 8:14:37 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.530 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

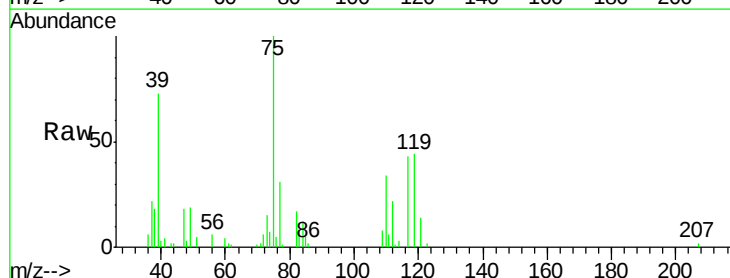
Tgt Ion: 75 Resp: 34942

Ion Ratio Lower Upper

75 100

110 32.3 16.0 48.0

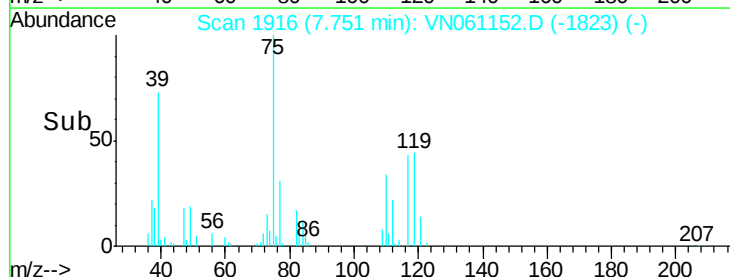
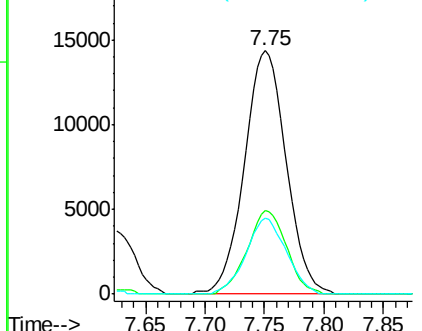
77 30.1 24.6 37.0

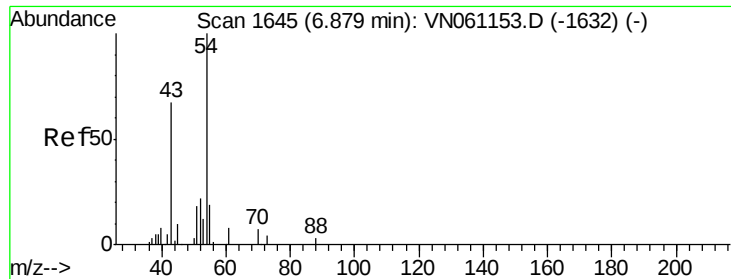


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





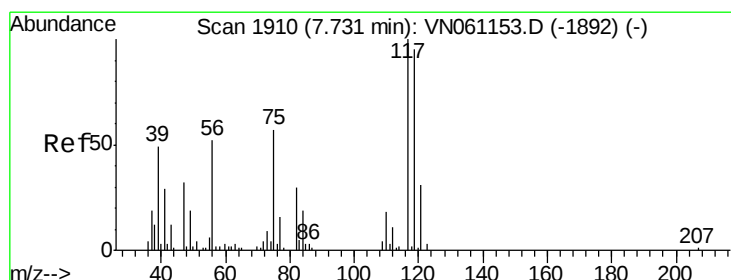
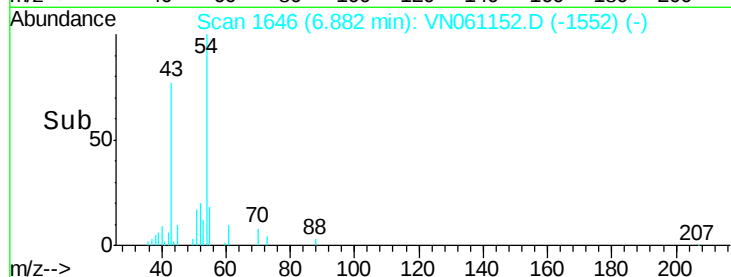
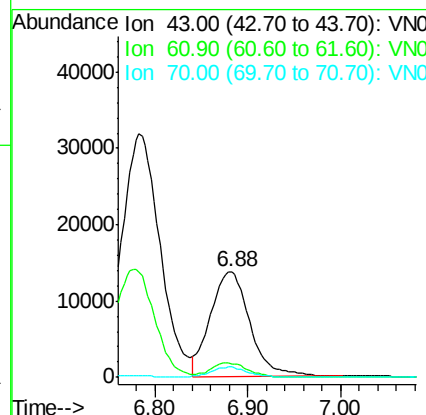
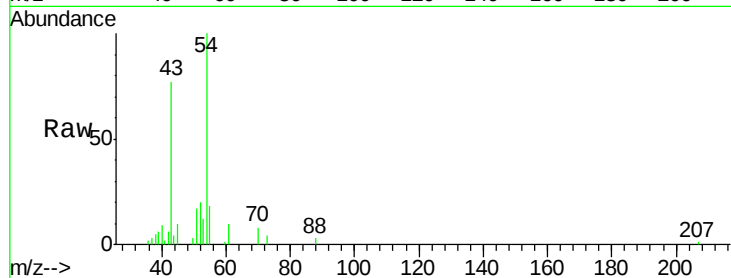
#37
Ethyl Acetate
Concen: 22.144 ug/l
RT: 6.88 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	12.9	10.2	15.2	
70	8.8	7.2	10.8	

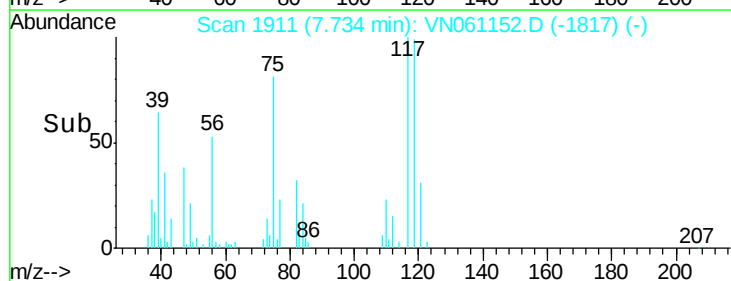
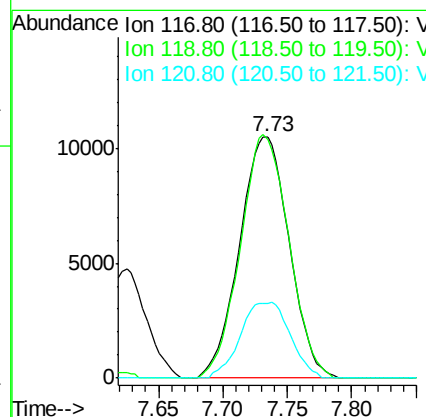
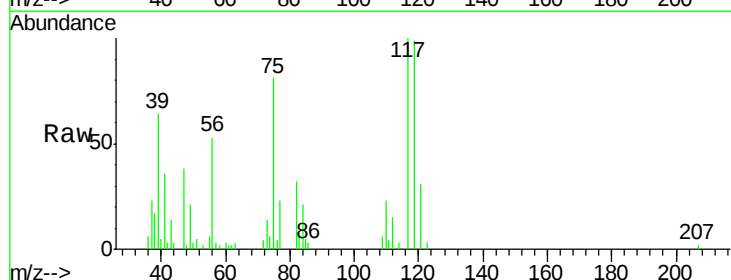
Manual Integrations
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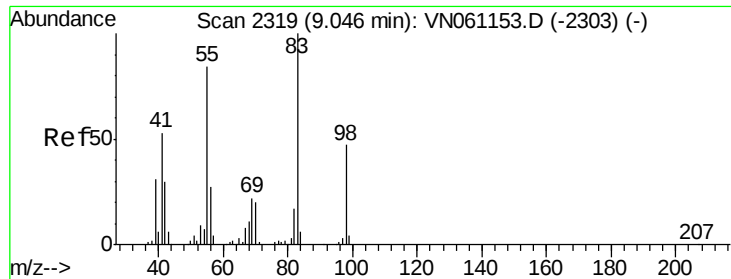
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#38
Carbon Tetrachloride
Concen: 18.115 ug/l
RT: 7.73 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.8	75.8	113.6	
121	31.2	24.7	37.1	





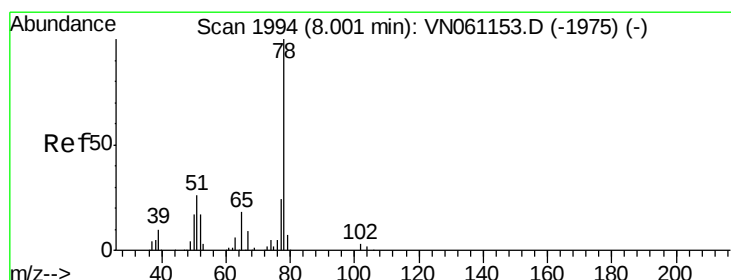
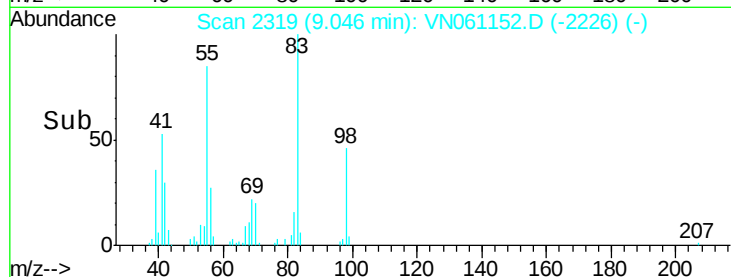
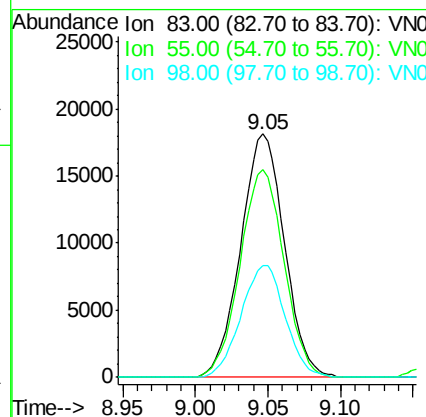
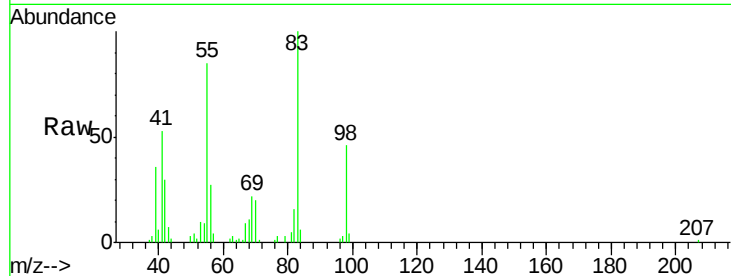
#39
Methvlcvclohexane
Concen: 17.649 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.4	67.3	100.9	
98	45.7	37.7	56.5	

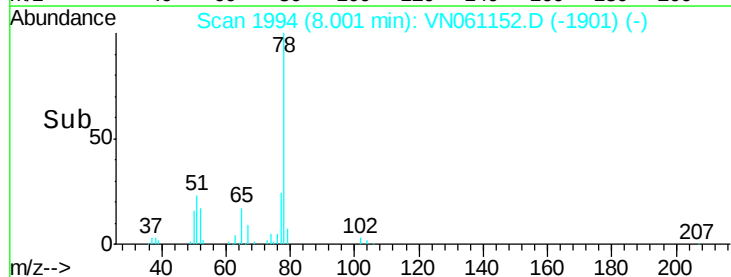
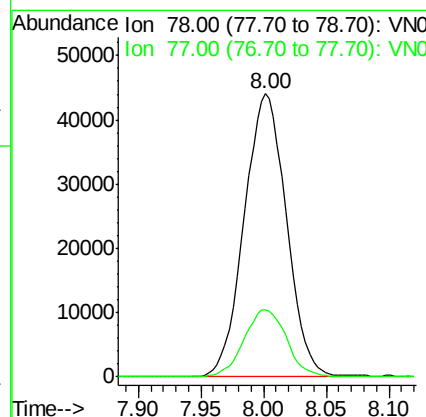
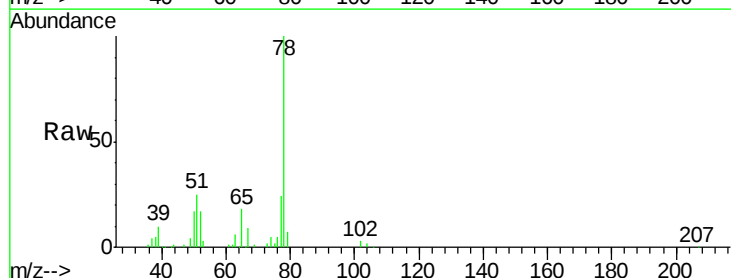
Manual Integrations
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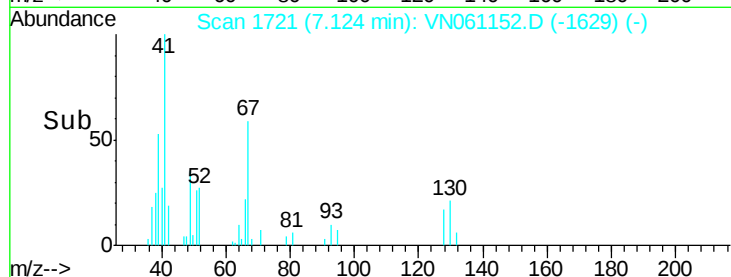
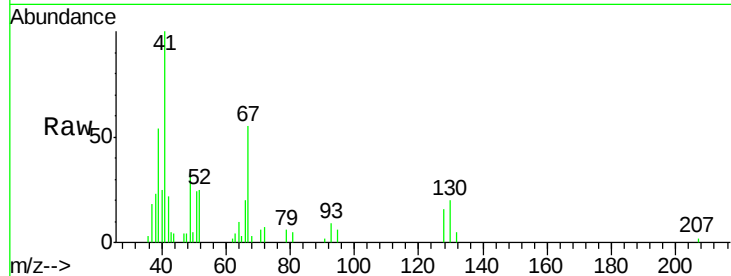
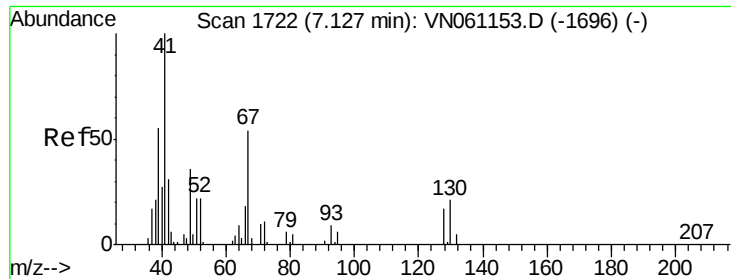
MMDadoda
4/28/2020 8:14:37 PM



#40
Benzene
Concen: 19.524 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.6	





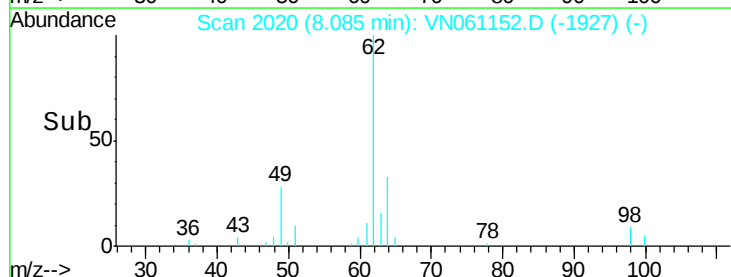
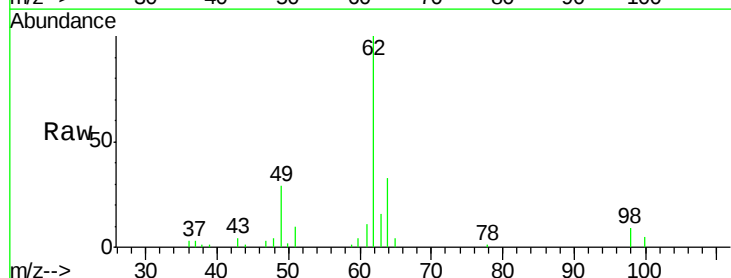
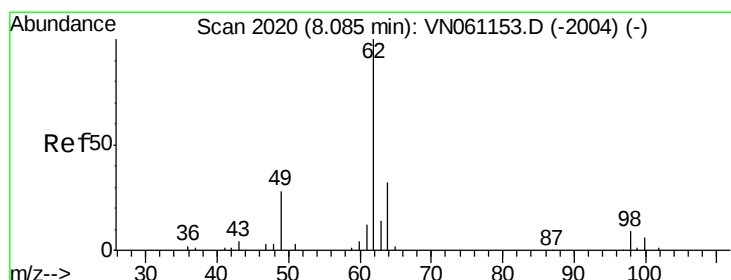
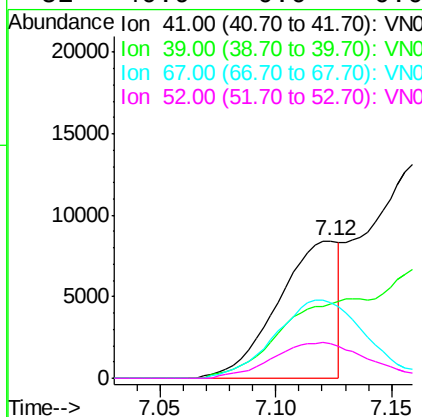
#41
Methacrylonitrile
Concen: 18.212 ug/l
RT: 7.12 min Scan# 1721
Delta R.T. -0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tot Ion	41	Resp	15334
Ion Ratio	Lower	Upper	
41	100		
39	80.6	0.0	0.0#
67	85.8	0.0	0.0#
52	40.9	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

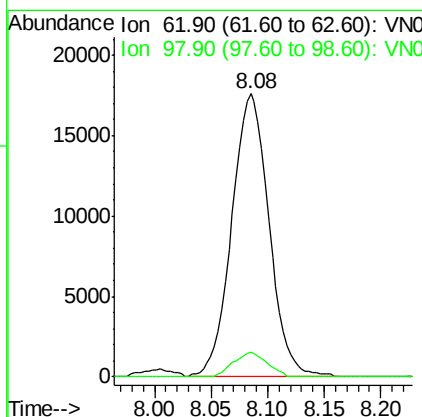
Manual Integrations
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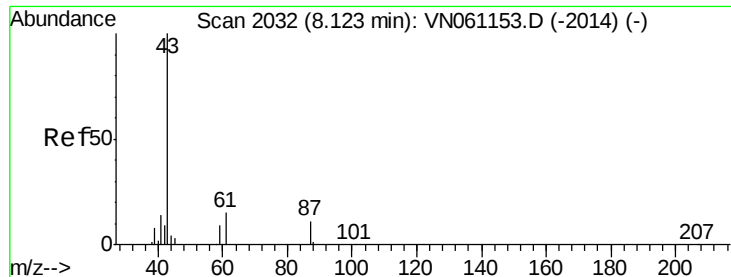
MMDadoda
4/28/2020 8:14:37 PM



#42
1,2-Dichloroethane
Concen: 21.167 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	62	Resp	40465
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	16.8





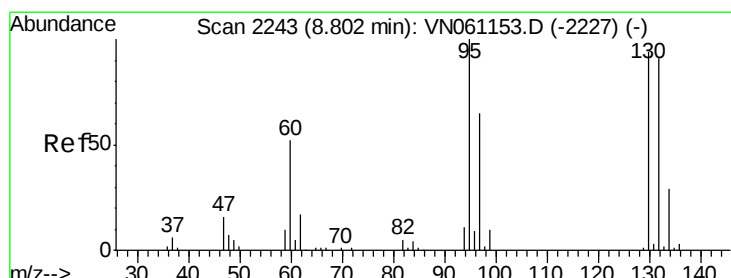
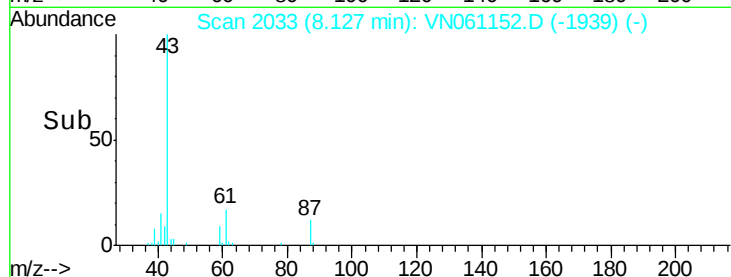
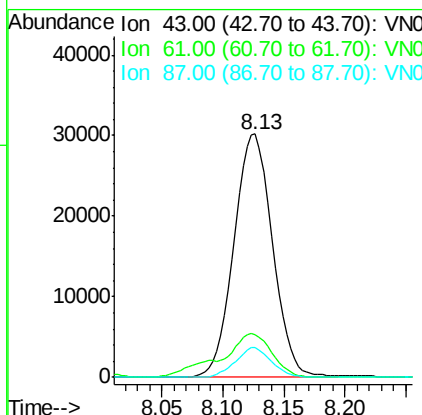
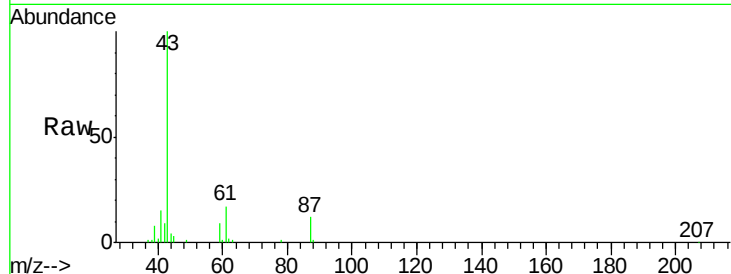
#43
Isopropyl Acetate
Concen: 21.310 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.7	19.5	29.3
87	11.2	8.9	13.3

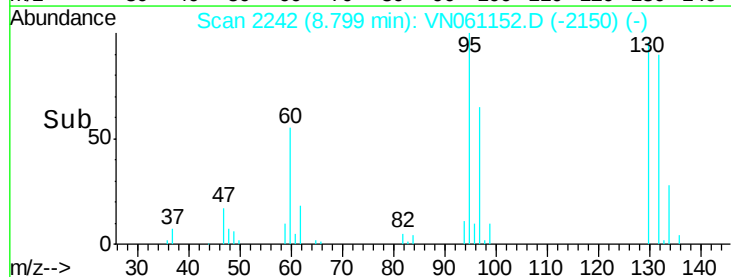
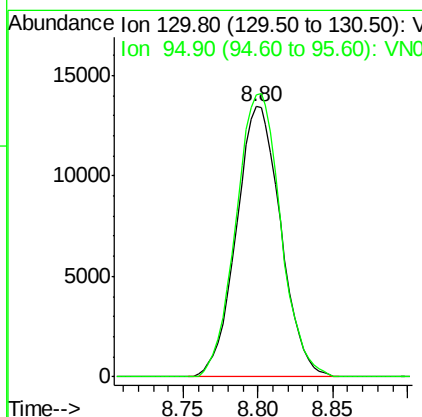
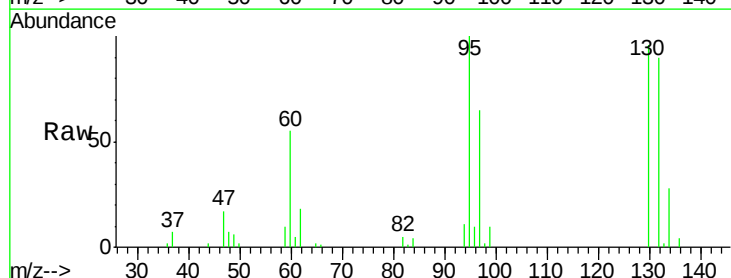
Manual Integrations
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#44
Trichloroethene
Concen: 18.265 ug/l
RT: 8.80 min Scan# 2242
Delta R.T. -0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	212.4





#45

1,2-Dichloropropane

Concen: 20.044 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 28182

Ion Ratio Lower Upper

63 100

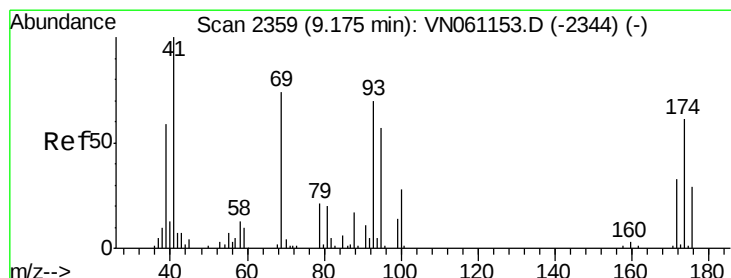
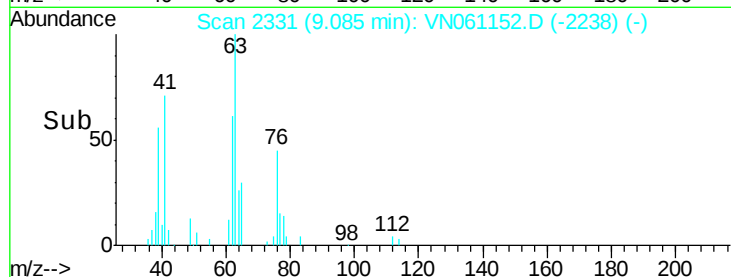
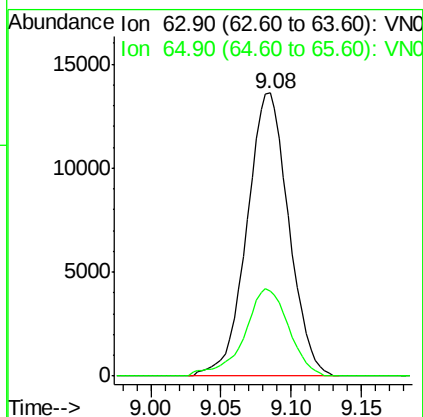
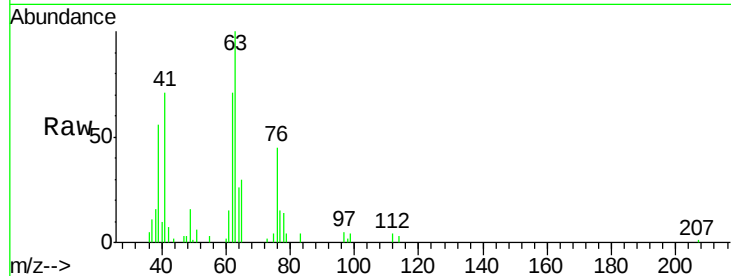
65 30.0 24.7 37.1

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#46

Dibromomethane

Concen: 20.183 ug/l

RT: 9.17 min Scan# 2358

Delta R.T. -0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

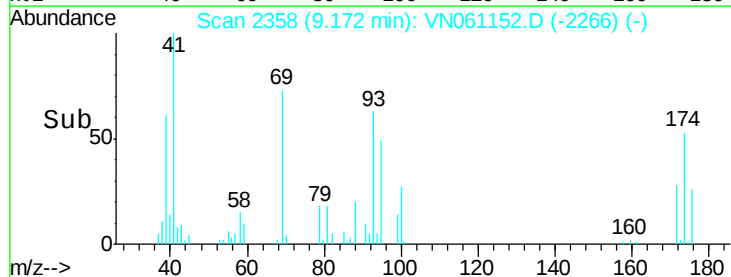
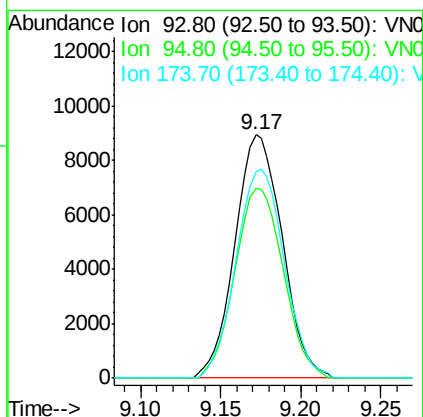
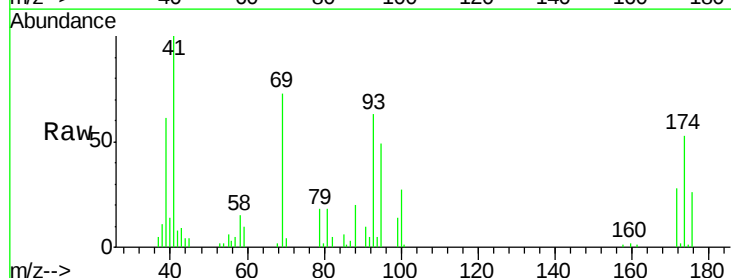
Tgt Ion: 93 Resp: 18083

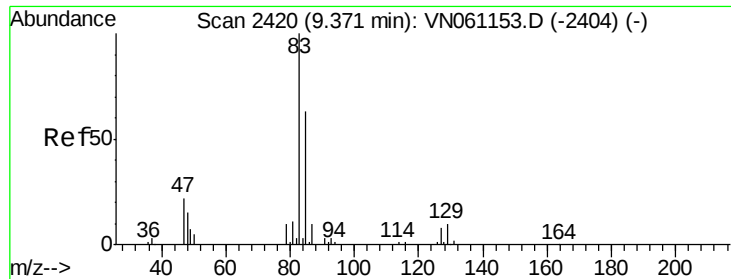
Ion Ratio Lower Upper

93 100

95 79.7 66.6 99.8

174 87.6 70.2 105.2





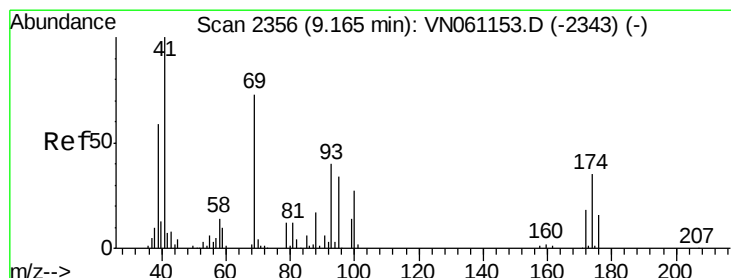
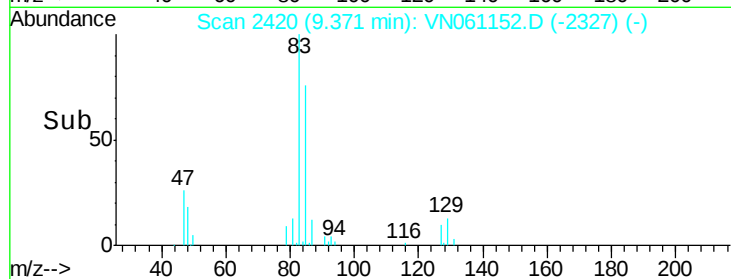
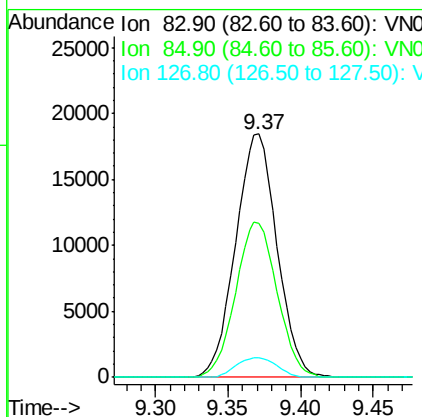
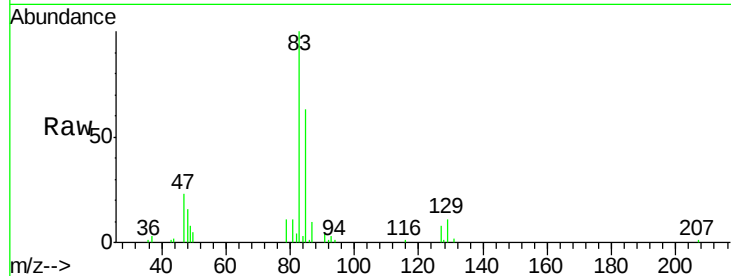
#47
 Bromodichloromethane
 Concen: 20.565 ug/l
 RT: 9.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	36643
Ion Ratio	100	Lower	Upper
83	100		
85	63.3	50.4	75.6
127	8.0	6.2	9.2

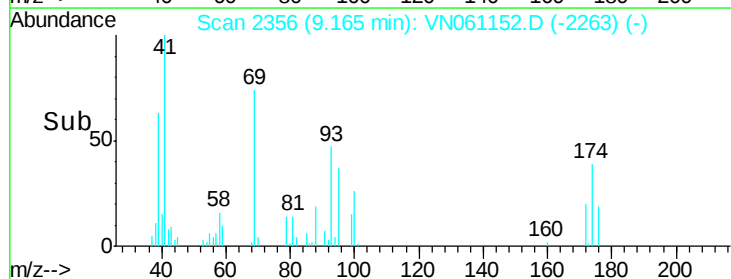
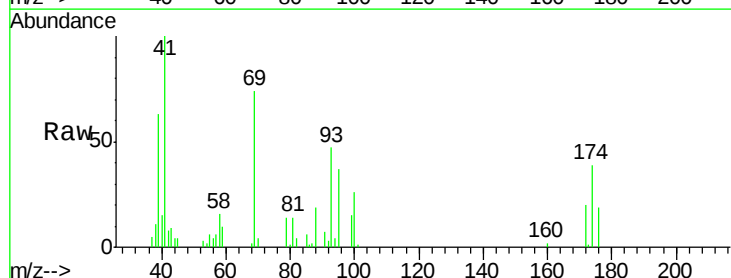
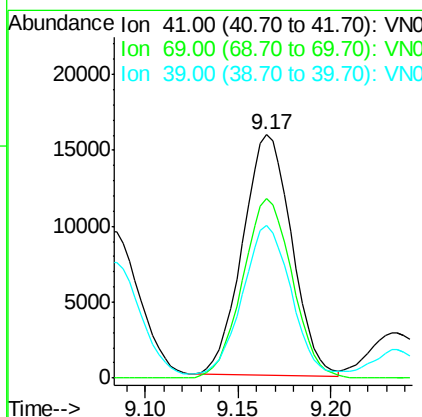
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 19.953 ug/l
 RT: 9.17 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	41	Resp	29106
Ion Ratio	100	Lower	Upper
41	100		
69	75.6	60.3	90.5
39	64.7	47.4	71.0





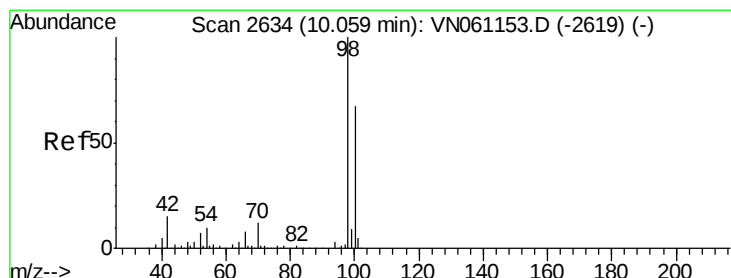
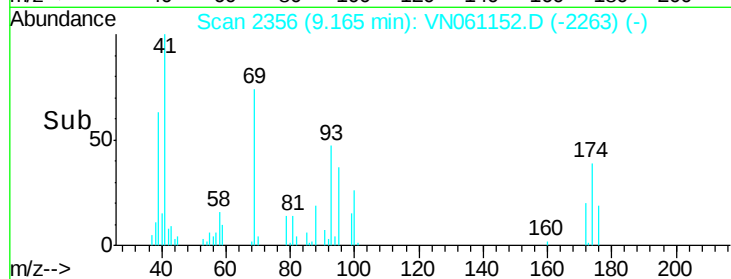
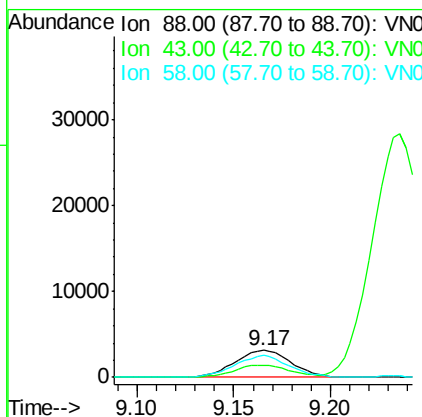
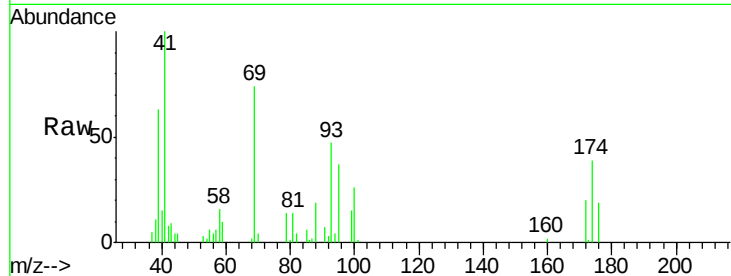
#49
1,4-Dioxane
Concen: 295.686 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.2	35.3	52.9
58	78.3	61.5	92.3

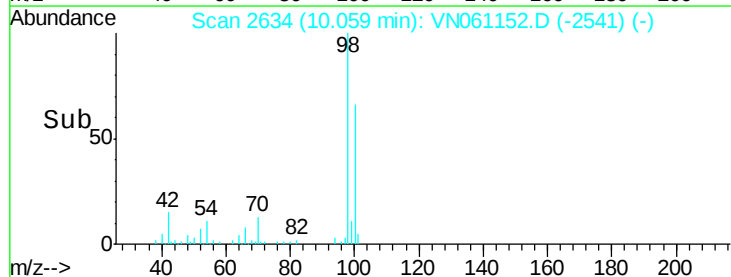
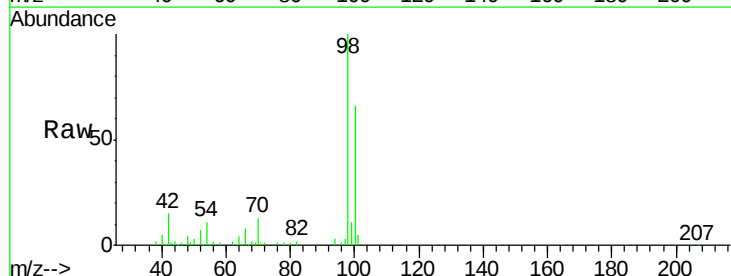
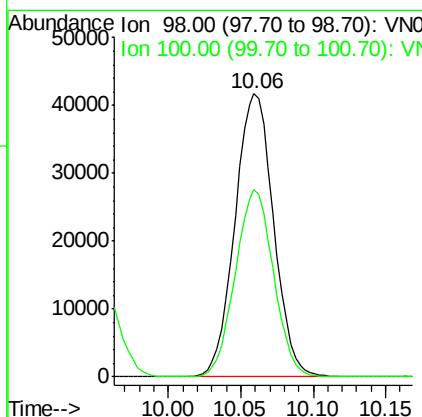
Manual Integrations
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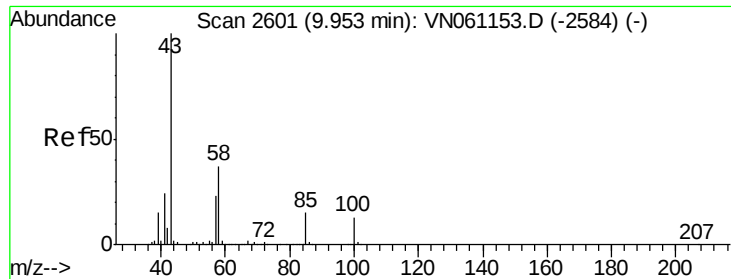
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#50
Toluene-d8
Concen: 17.356 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.4	80.0





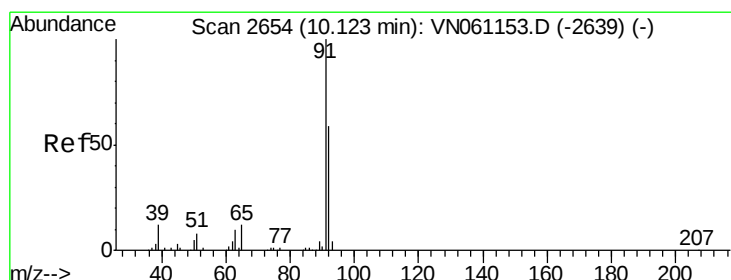
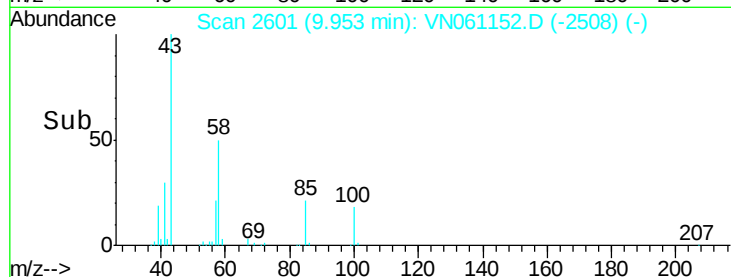
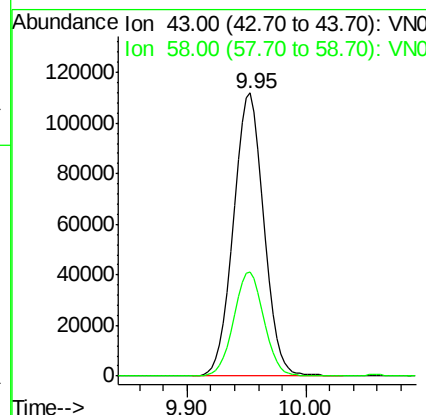
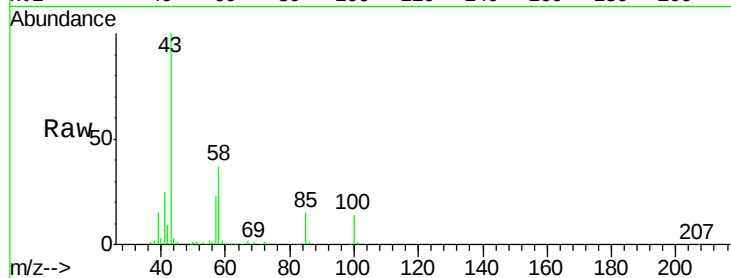
#51
4-Methyl-2-Pentanone
Concen: 108.635 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	198041
Ion Ratio	43	100	
Lower	58	36.6	29.1
Upper			43.7

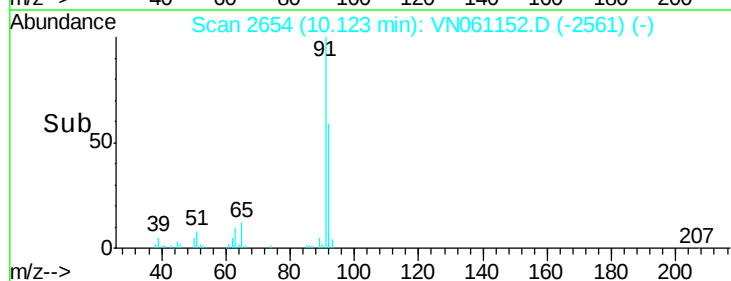
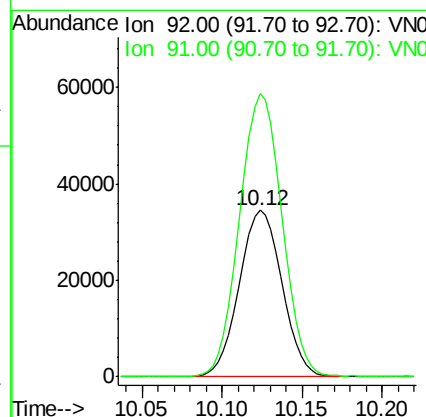
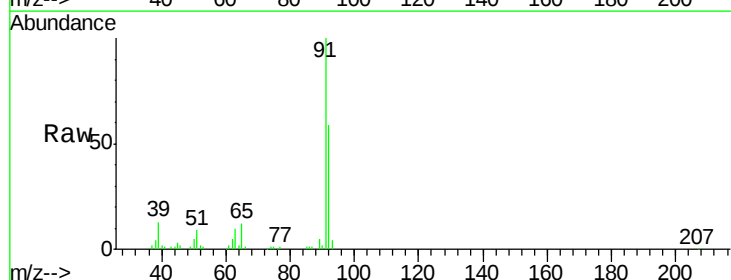
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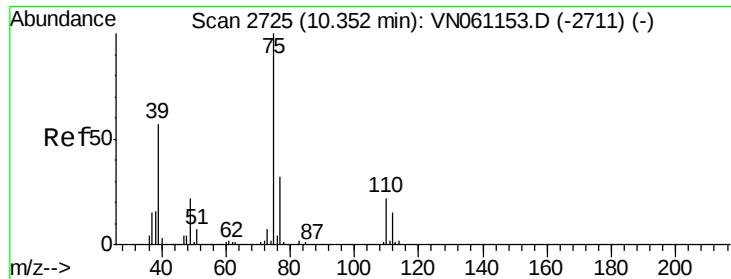
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#52
Toluene
Concen: 19.031 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	92	Resp	62898
Ion Ratio	92	100	
Lower	91	169.9	136.2
Upper			204.2





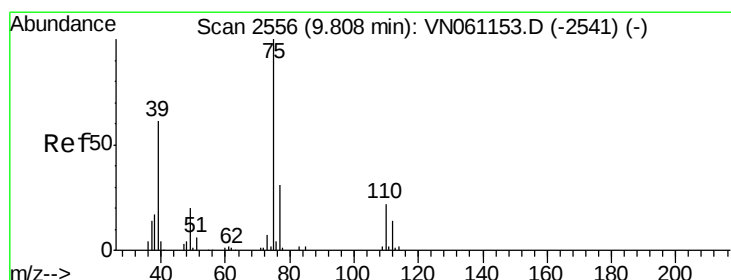
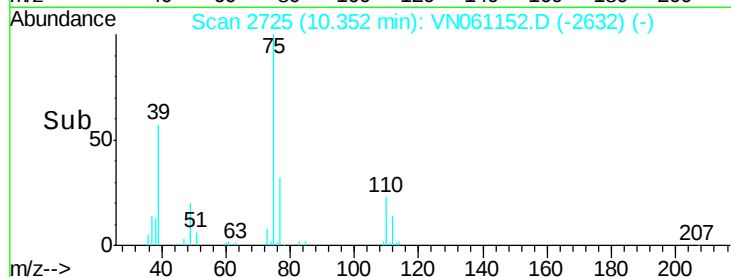
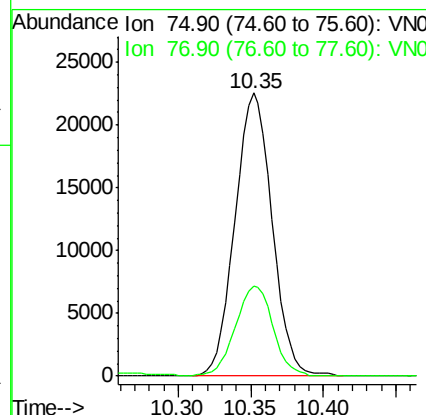
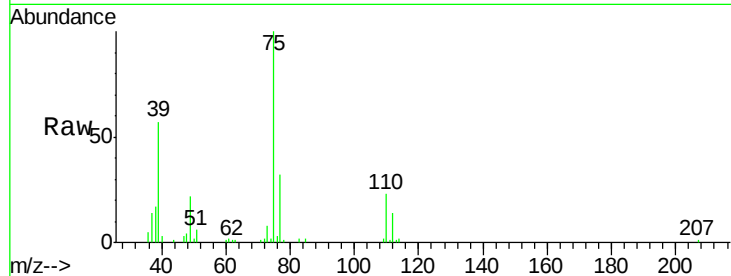
#53
t-1,3-Dichloropropene
Concen: 18.573 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

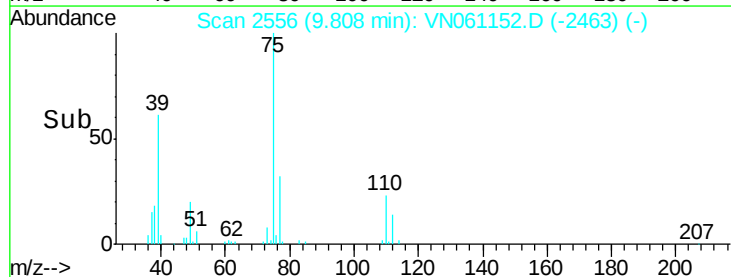
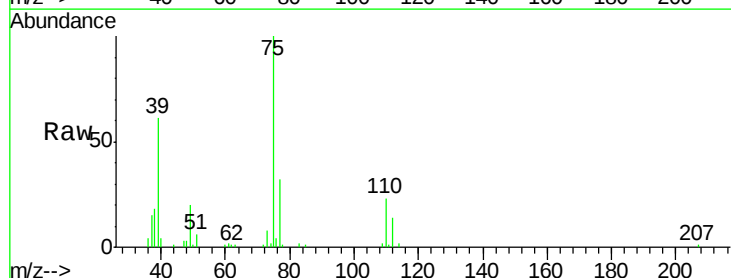
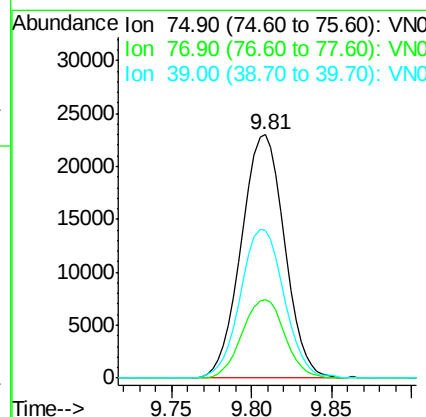
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#54
cis-1,3-Dichloropropene
Concen: 18.938 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.0	37.4
39	60.9	48.7	73.1





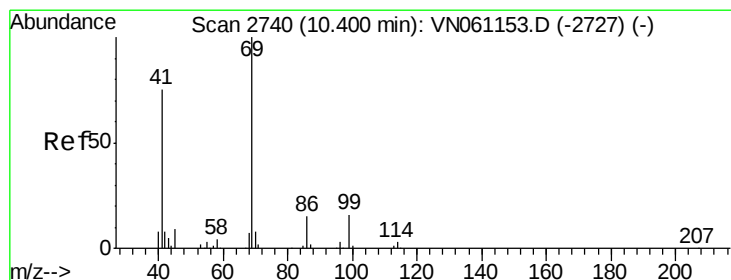
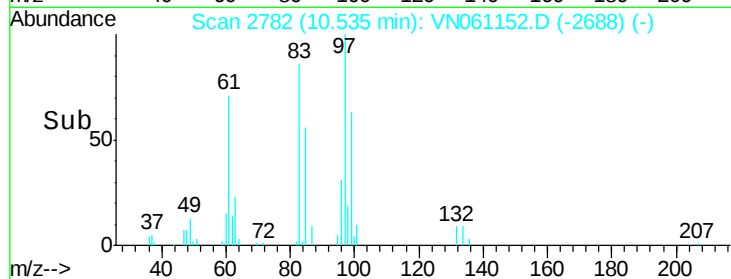
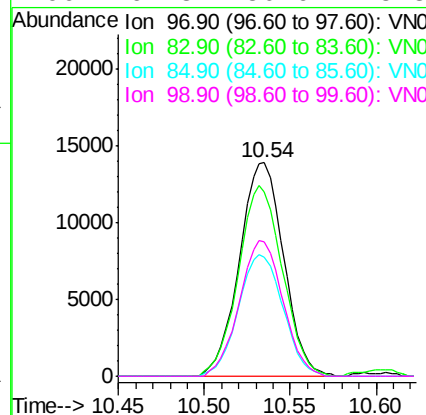
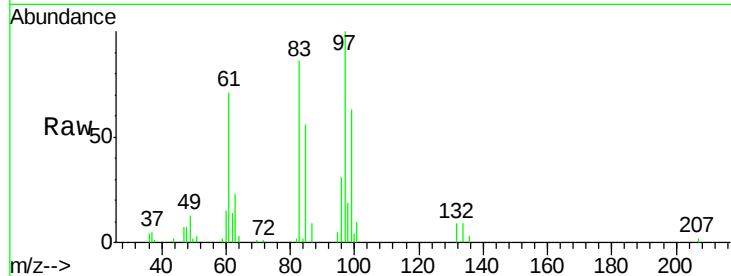
#55
 1,1,2-Trichloroethane
 Concen: 19.533 ug/l
 RT: 10.54 min Scan# 2782
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	24890
Ion	Ratio	Lower	Upper
97	100		
83	86.5	70.6	106.0
85	55.8	46.4	69.6
99	62.8	50.6	75.8

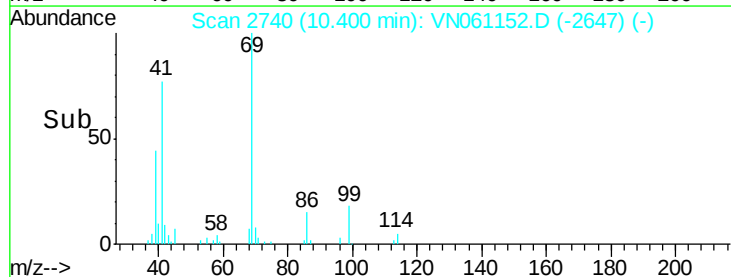
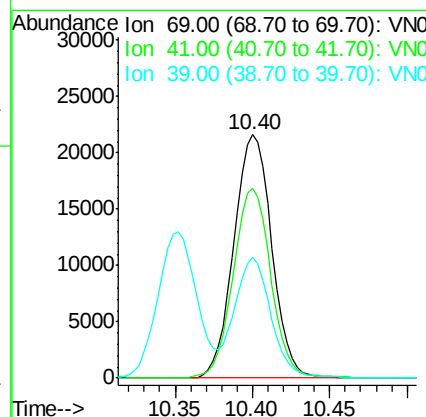
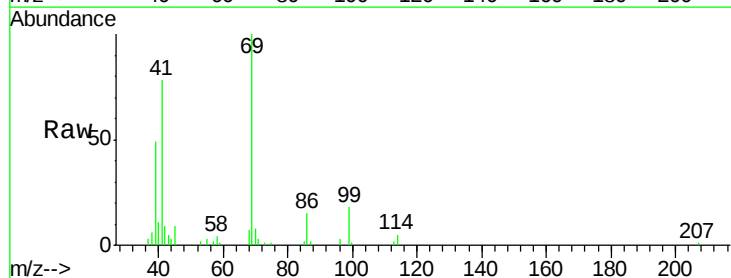
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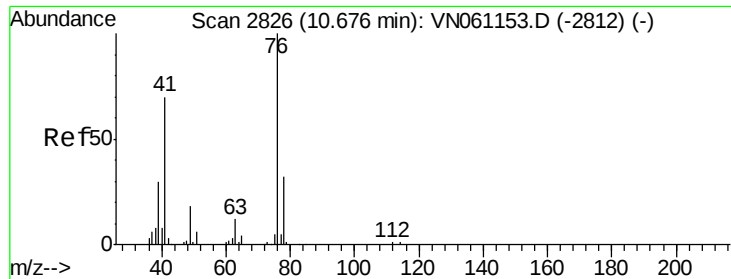
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#56
 Ethyl methacrylate
 Concen: 18.833 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion:	69	Resp:	36754
Ion	Ratio	Lower	Upper
69	100		
41	77.6	60.3	90.5
39	47.7	35.9	53.9





#57

1,3-Dichloropropane

Concen: 20.070 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 43887

Ion Ratio Lower Upper

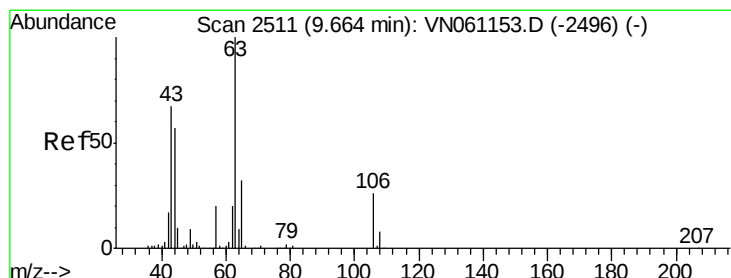
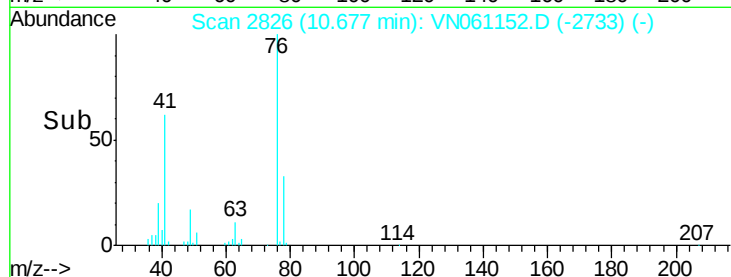
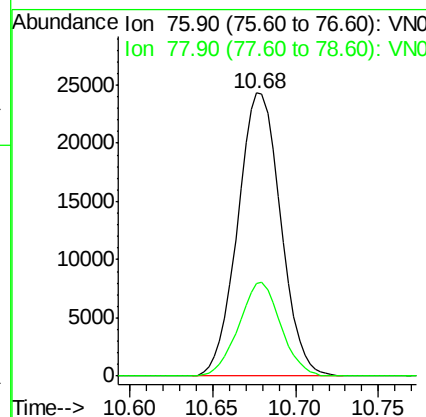
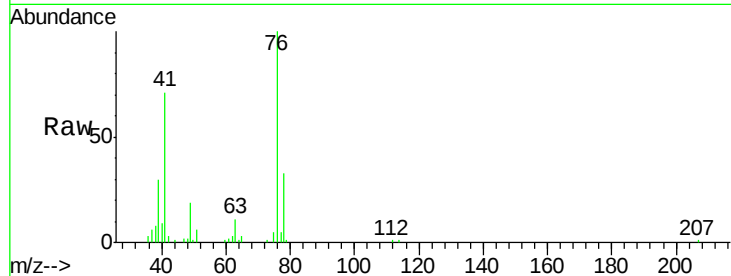
76 100

78 32.3 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 97.826 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061152.D

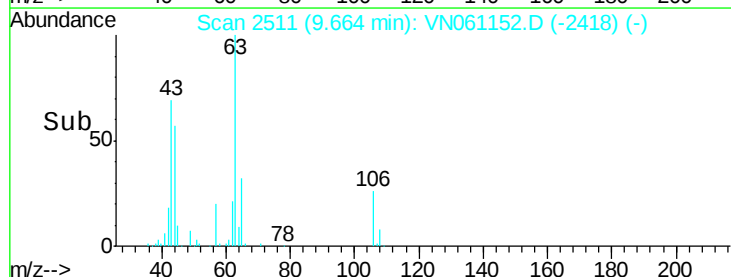
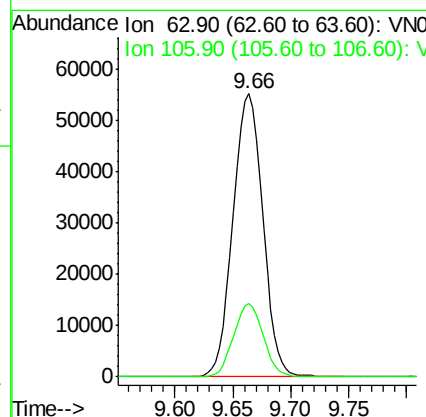
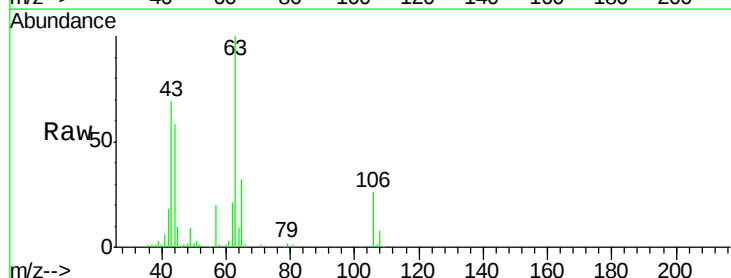
Acq: 27 Apr 2020 16:49

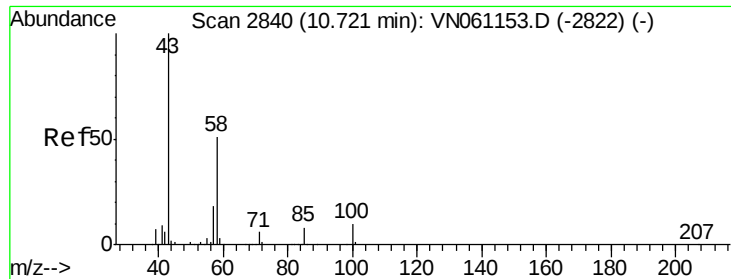
Tgt Ion: 63 Resp: 98490

Ion Ratio Lower Upper

63 100

106 25.5 20.6 30.8





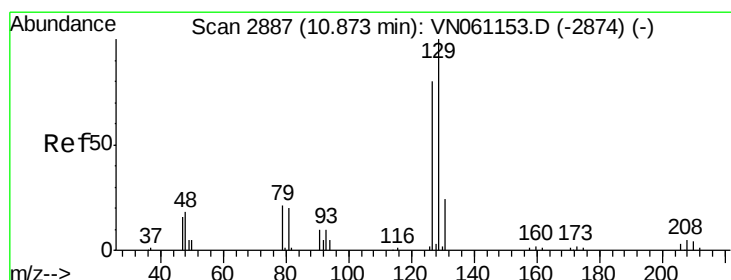
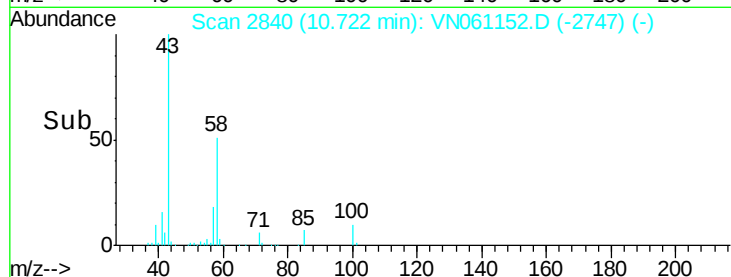
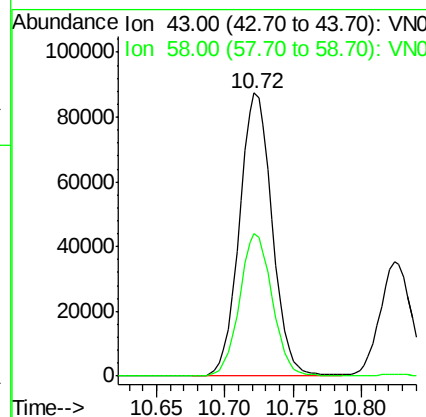
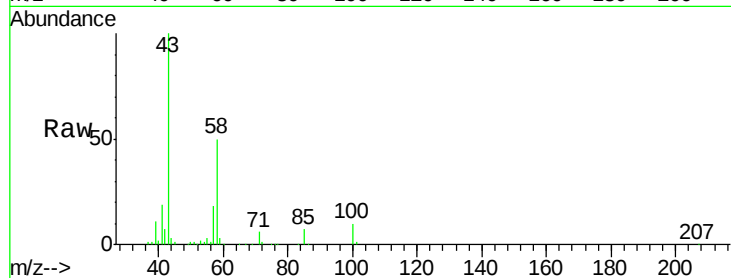
#59
2-Hexanone
Concen: 108.320 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	25.4	76.4

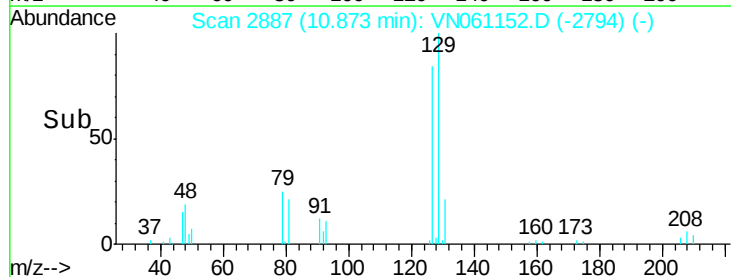
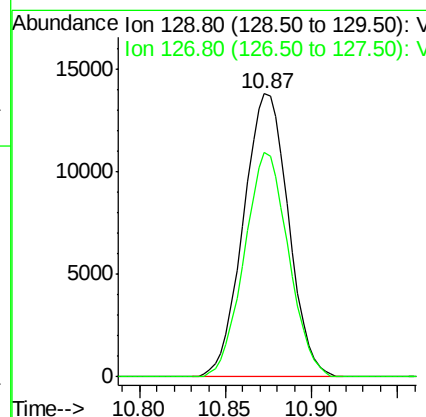
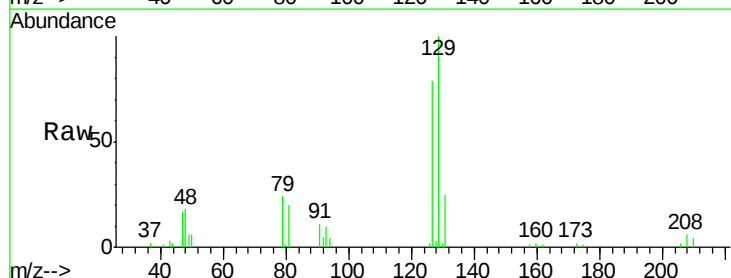
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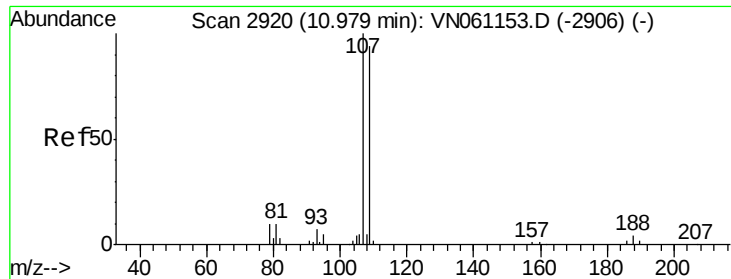
MMDadoda
4/28/2020 8:14:37 PM



#60
Dibromochloromethane
Concen: 18.814 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.3	117.8





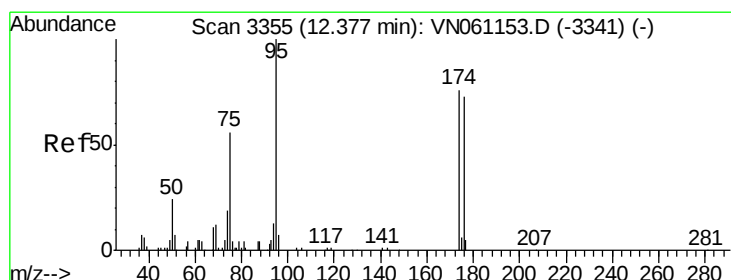
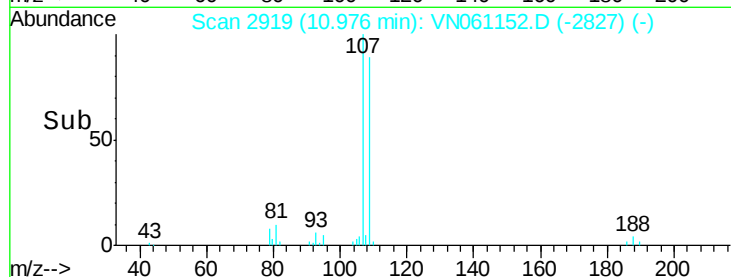
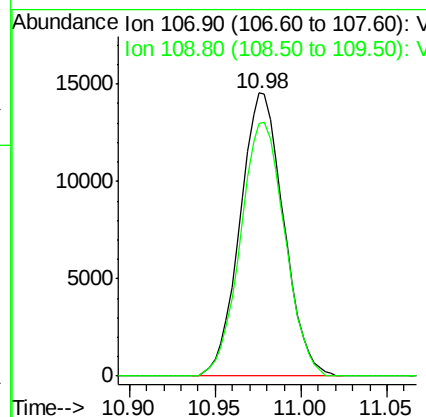
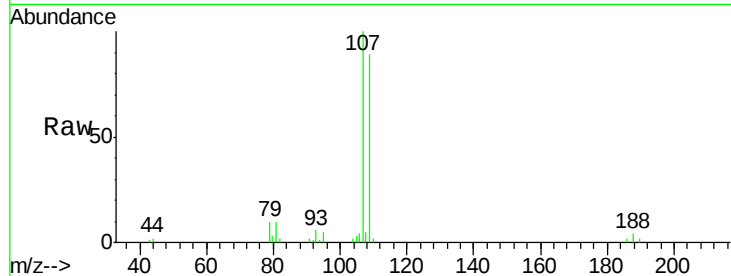
#61
 1,2-Dibromoethane
 Concen: 19.600 ug/l
 RT: 10.98 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:107 Resp: 25690
 Ion Ratio Lower Upper
 107 100
 109 90.9 74.8 112.2

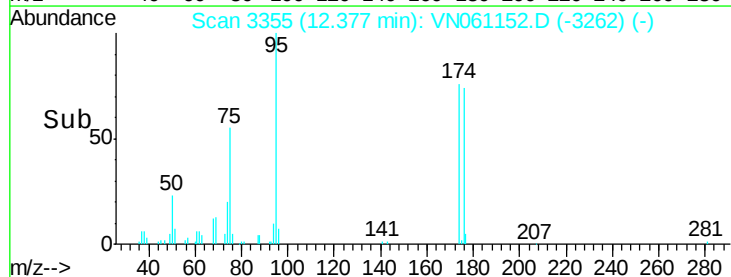
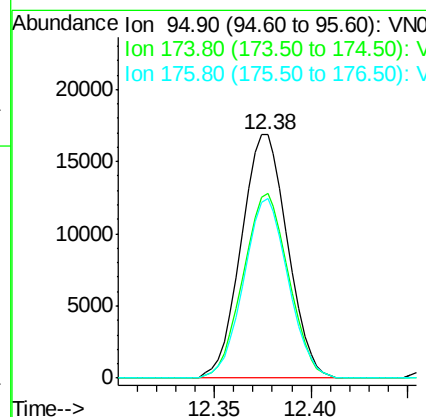
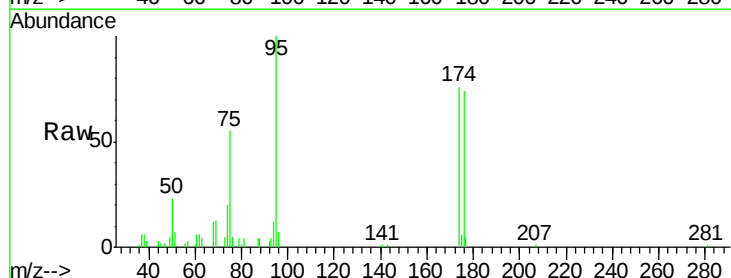
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 16.873 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion: 95 Resp: 28090
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 149.4
 176 70.9 0.0 144.8





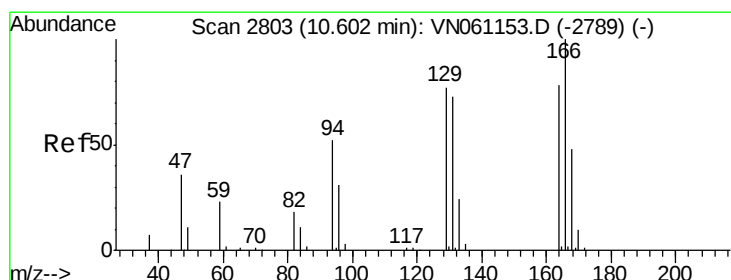
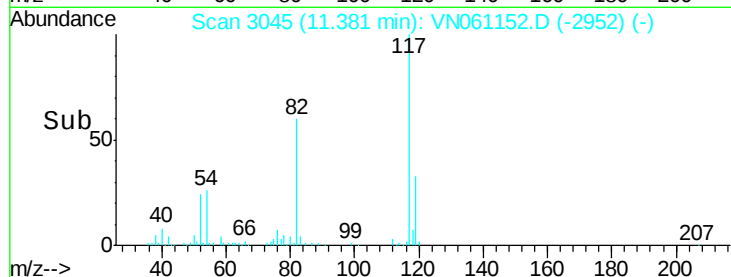
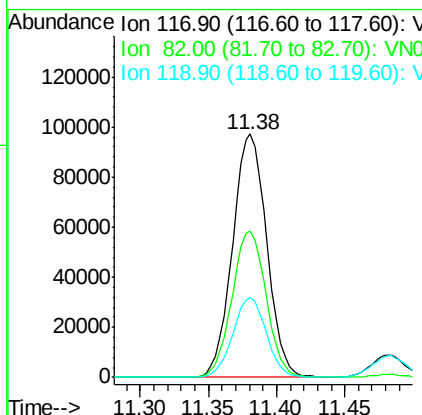
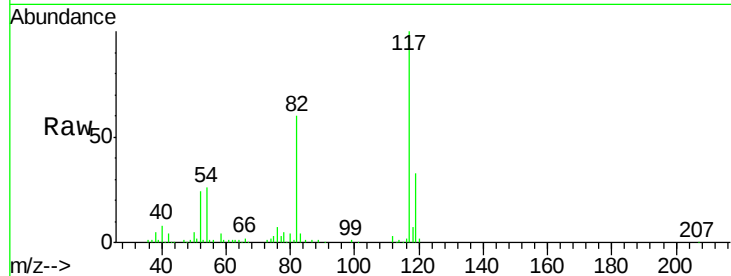
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	169284		
82	60.1	47.8	71.8	
119	32.6	25.8	38.6	

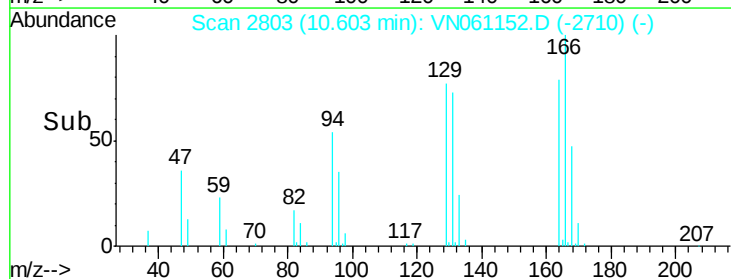
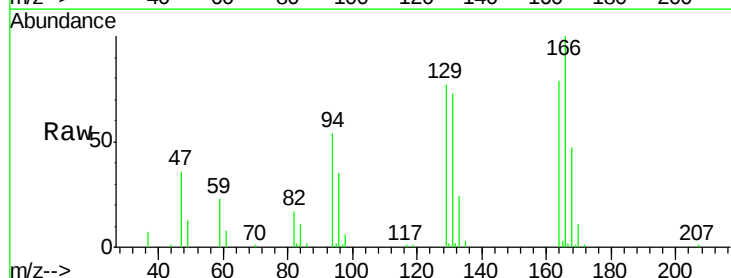
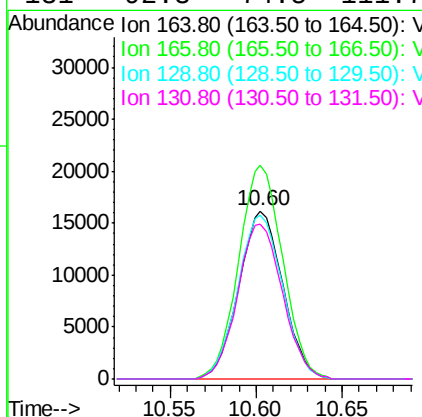
Manual Integrations
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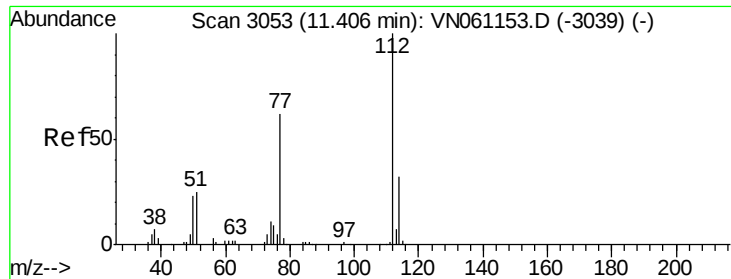
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#64
Tetrachloroethene
Concen: 17.020 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	28723		
166	127.0	102.0	153.0	
129	97.7	78.2	117.2	
131	92.3	74.5	111.7	





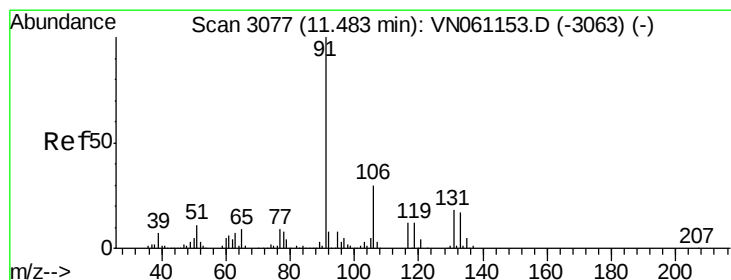
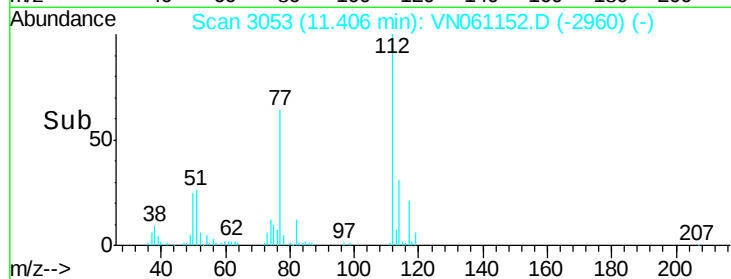
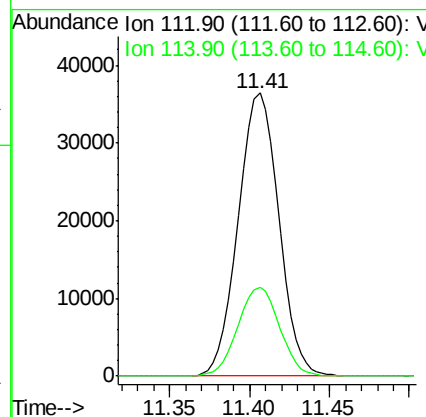
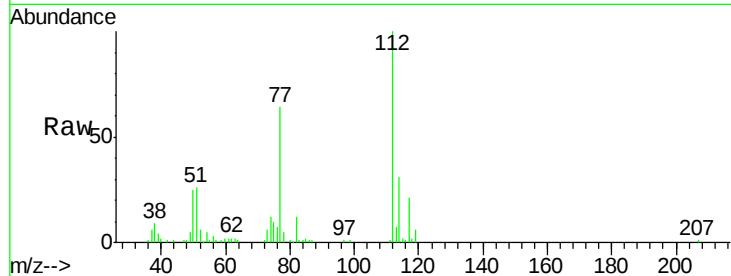
#65
Chlorobenzene
Concen: 18.495 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 63152
Ion Ratio Lower Upper
112 100
114 31.4 25.4 38.2

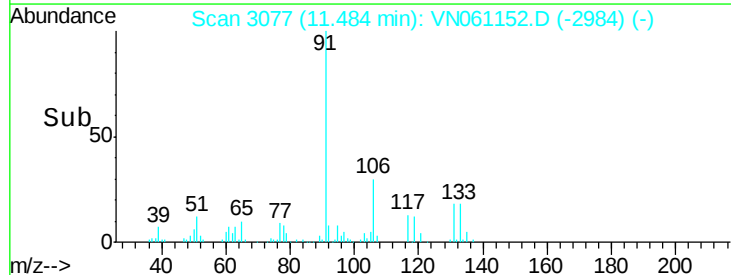
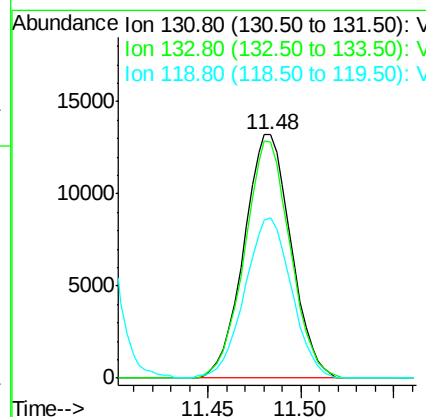
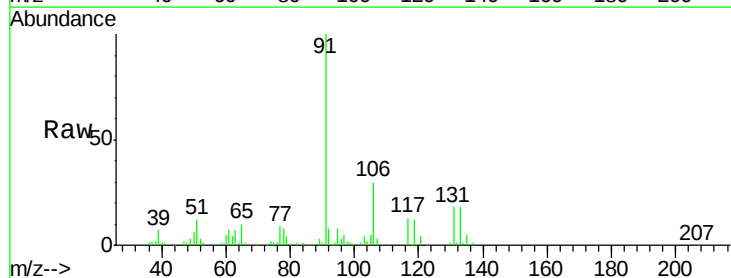
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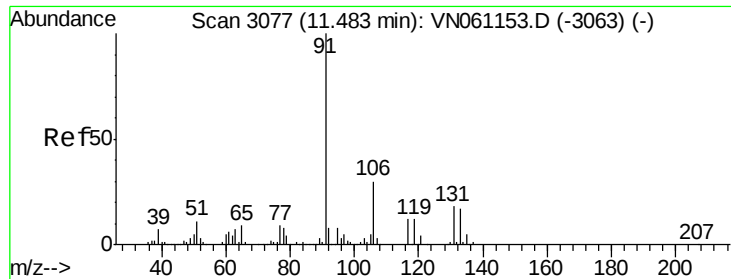
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.146 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion:131 Resp: 23182
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.2
119 65.6 32.6 97.8





#67

Ethyl Benzene

Concen: 18.657 ug/l

RT: 11.48 min Scan# 3077

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 119096

Ion Ratio Lower Upper

91 100

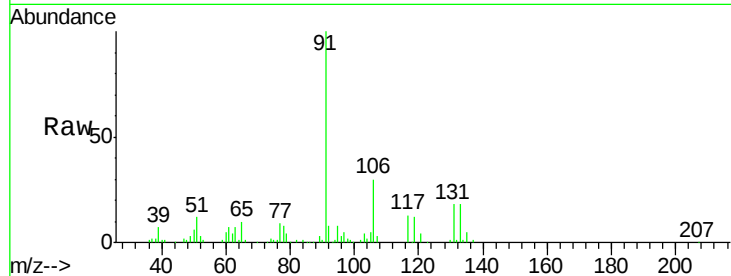
106 30.2 23.8 35.6

Manual Integrations

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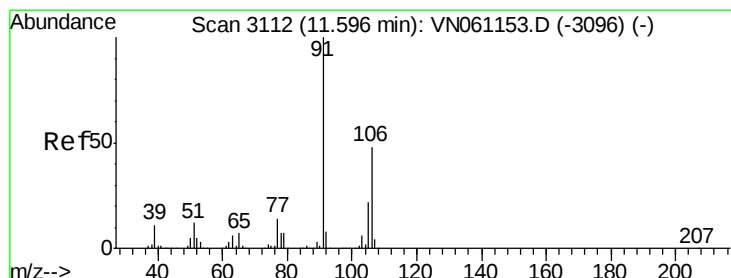
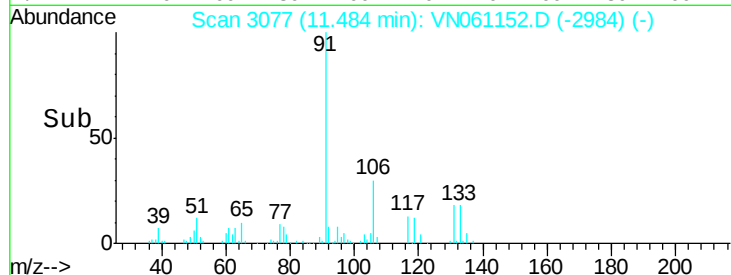
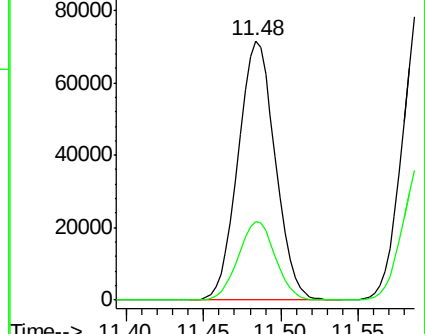
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN061152.D (-3063) (-)

Ion 106.00 (105.70 to 106.70): VN061152.D (-3063) (-)



#68

m/p-Xylenes

Concen: 36.702 ug/l

RT: 11.60 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VN061152.D

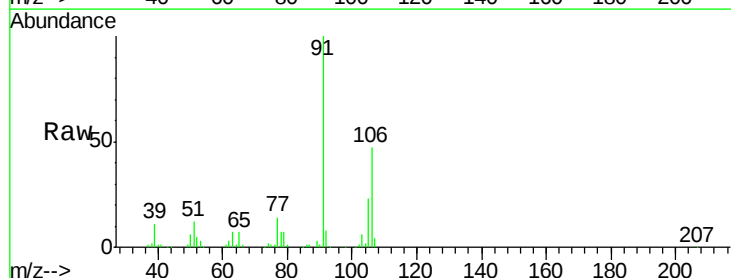
Acq: 27 Apr 2020 16:49

Tgt Ion: 106 Resp: 87237

Ion Ratio Lower Upper

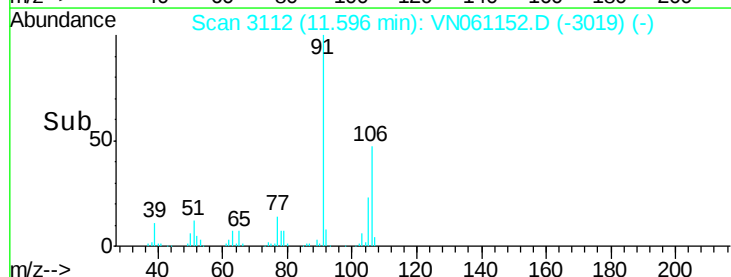
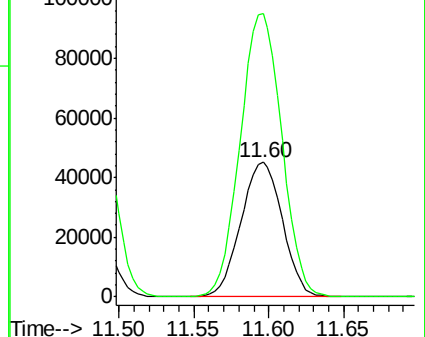
106 100

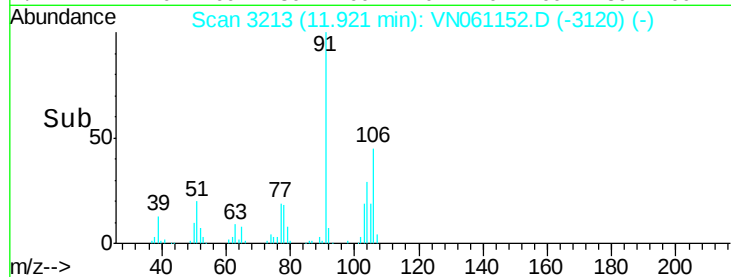
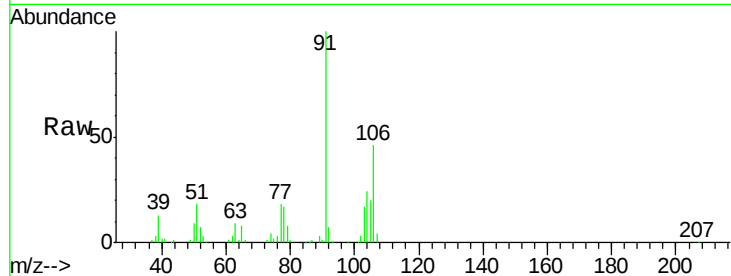
91 210.6 166.4 249.6



Abundance Ion 106.00 (105.70 to 106.70): VN061152.D (-3096) (-)

Ion 91.00 (90.70 to 91.70): VN061152.D (-3096) (-)





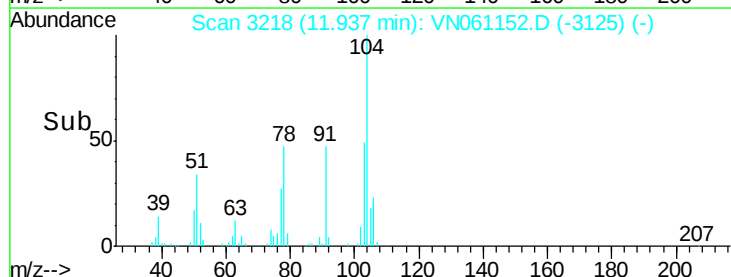
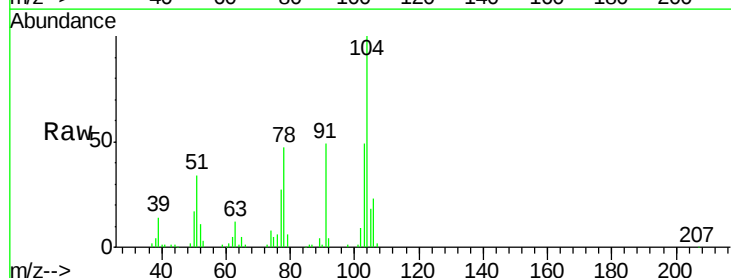
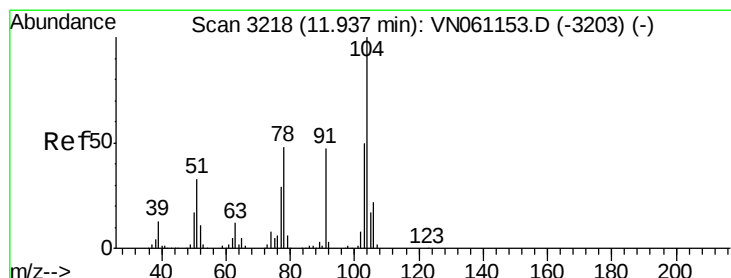
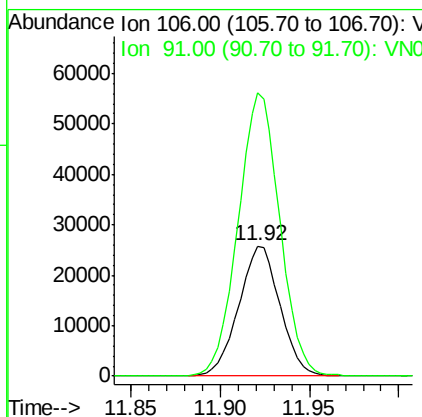
#69
o-Xylene
Concen: 18.157 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tot Ion:106 Resp: 41644
Ion Ratio Lower Upper
106 100
91 220.1 109.7 329.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

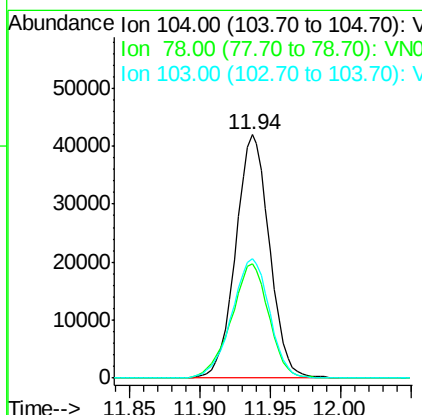
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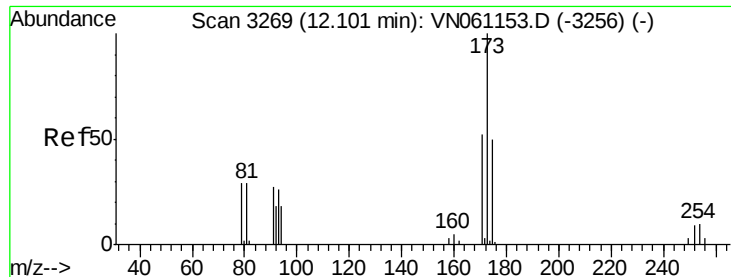
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#70
Styrene
Concen: 18.897 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion:104 Resp: 70441
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 54.5 43.3 64.9





#71

Bromoform

Concen: 18.404 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

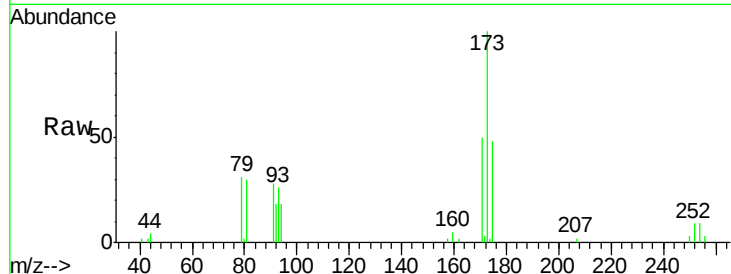
ClientSampleId :

VSTDIC020

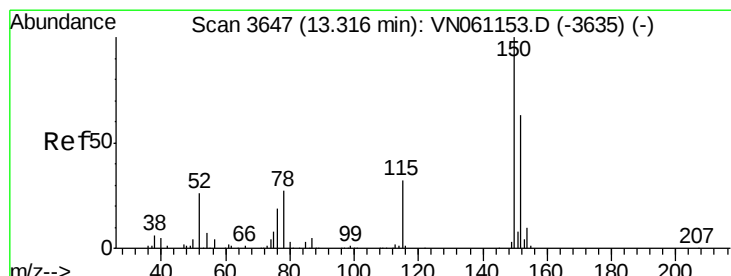
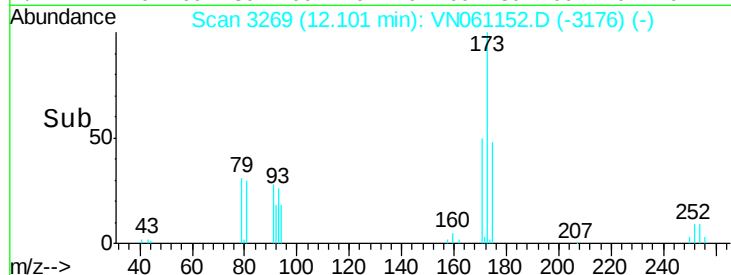
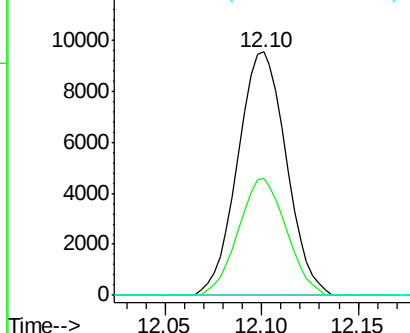
Tot Ion:173	Resp:	16711
Ion Ratio	Lower	Upper
173	100	
175	47.3	24.1 72.4
254	0.0	0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

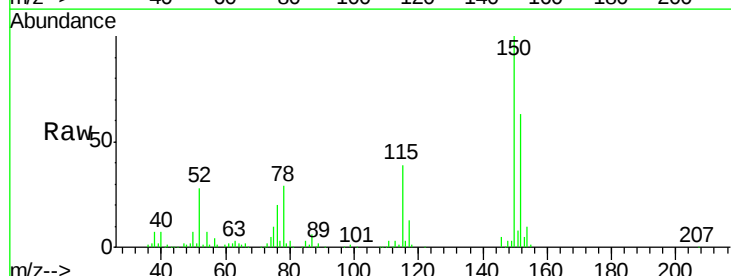
RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

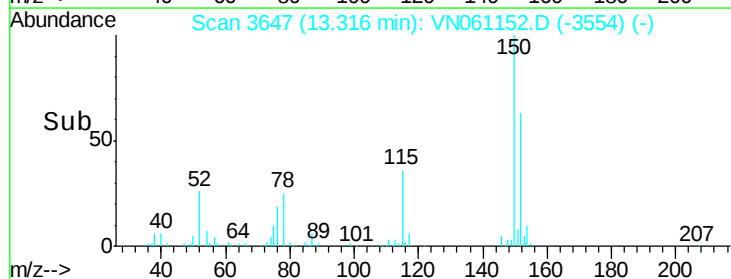
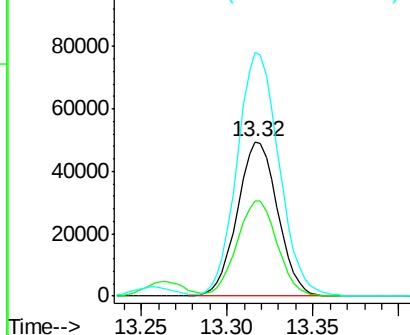
Lab File: VN061152.D

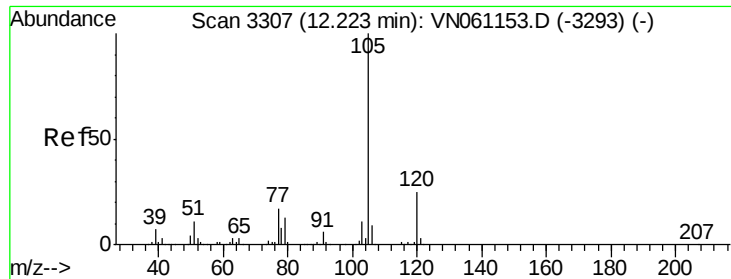
Acq: 27 Apr 2020 16:49

Tgt Ion:152	Resp:	80505
Ion Ratio	Lower	Upper
152	100	
115	61.9	31.0 93.0
150	164.6	0.0 351.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.913 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 114440

Ion Ratio Lower Upper

105 100

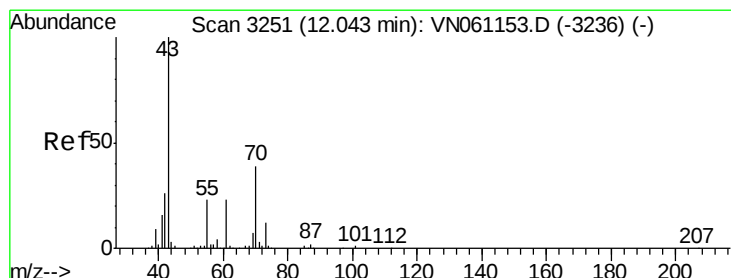
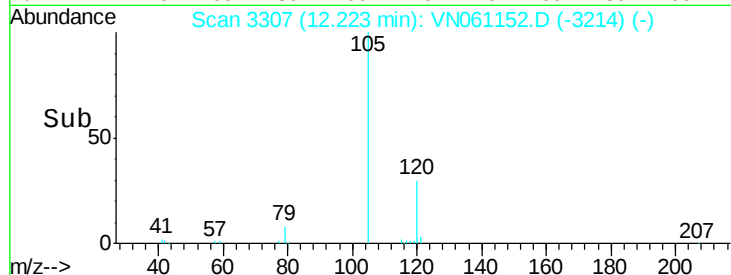
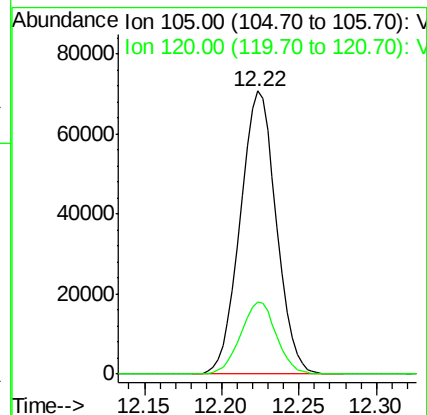
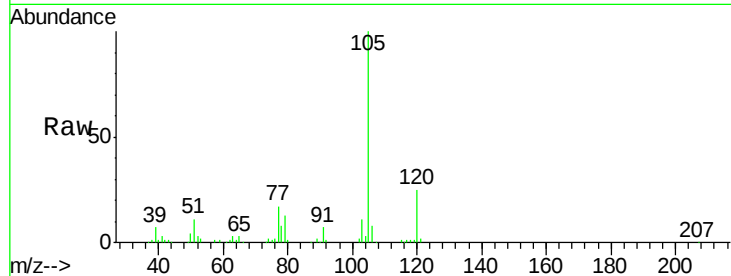
120 25.2 12.6 37.8

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#74

N-ethyl acetate

Concen: 20.376 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion: 43 Resp: 56542

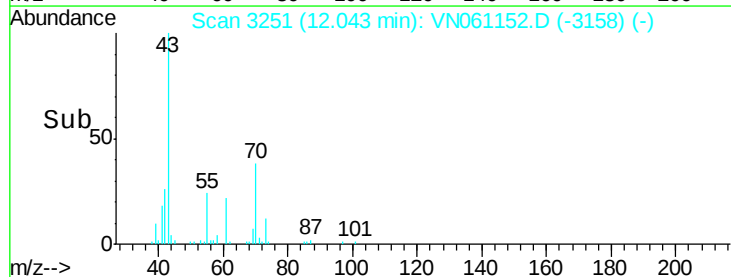
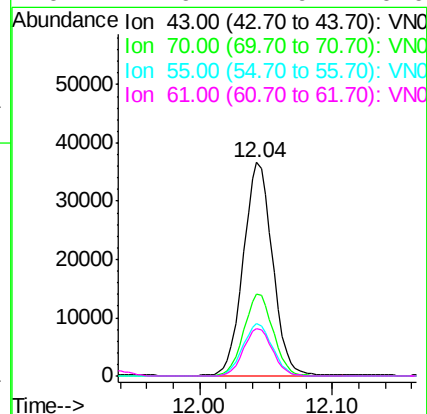
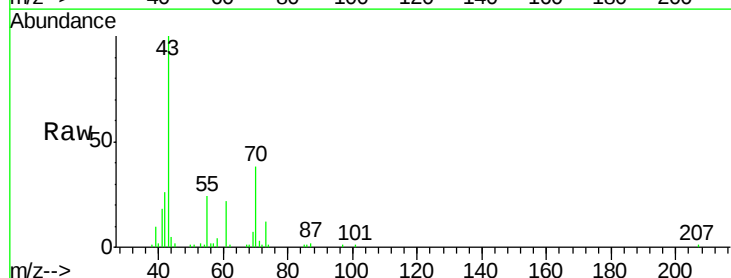
Ion Ratio Lower Upper

43 100

70 38.0 30.6 46.0

55 24.5 18.5 27.7

61 21.9 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.809 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

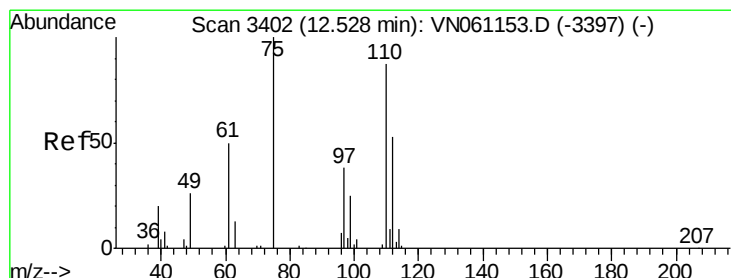
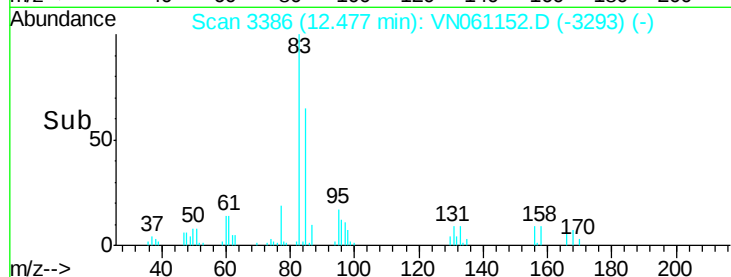
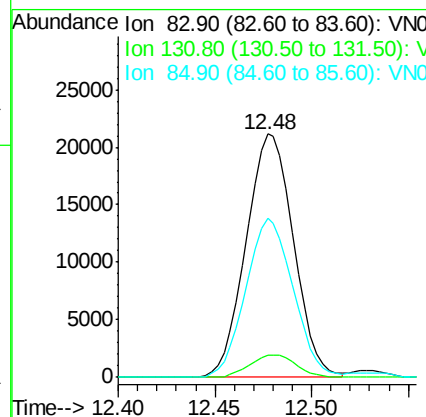
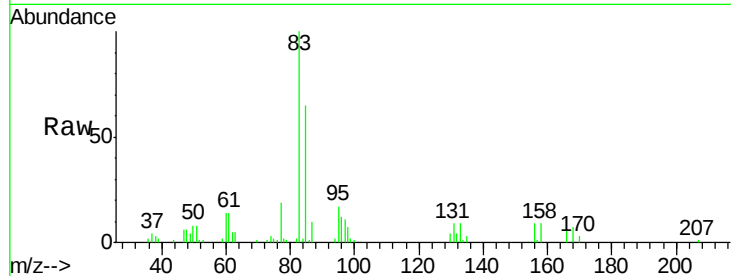
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	36196
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.8	14.3
85	65.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 17.474 ug/l m

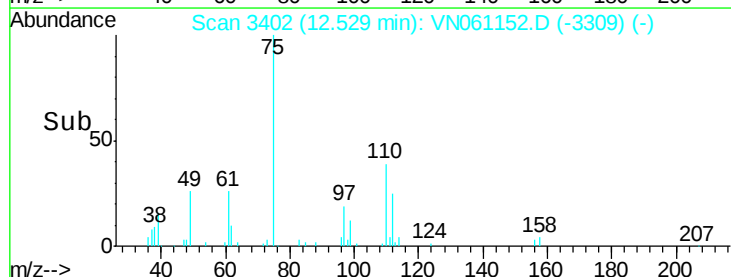
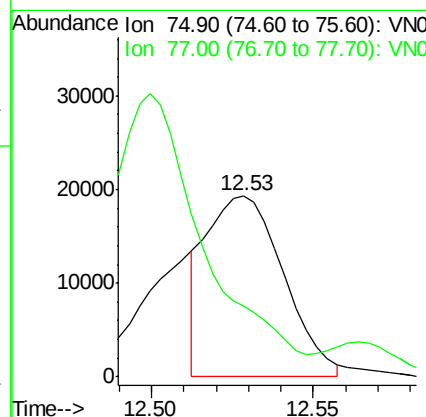
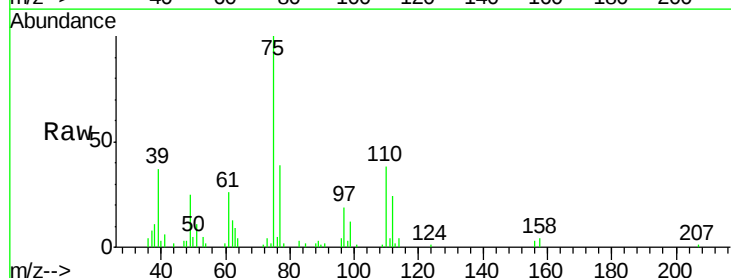
RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:	75	Resp:	31836
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.884 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 26108

Ion Ratio Lower Upper

156 100

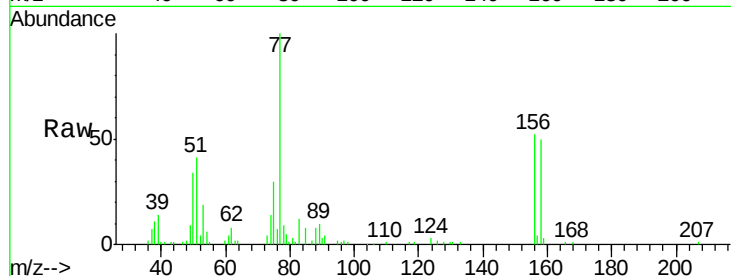
77 236.3 117.4 352.2

158 96.6 48.4 145.0

Manual Integrations
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MMDadoda

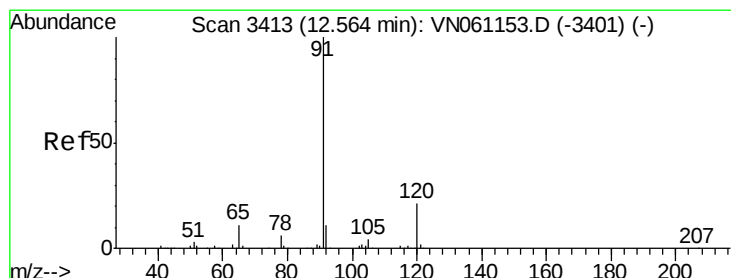
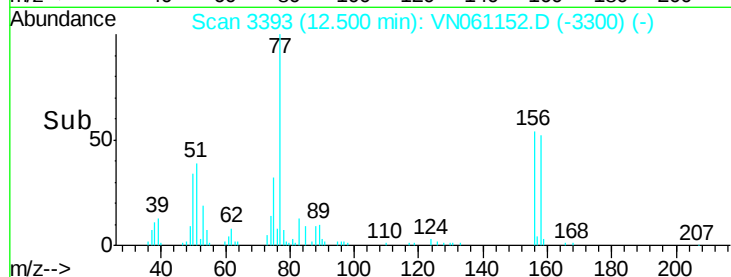
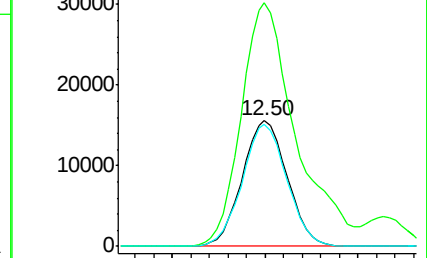
4/28/2020 8:14:37 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.892 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061152.D

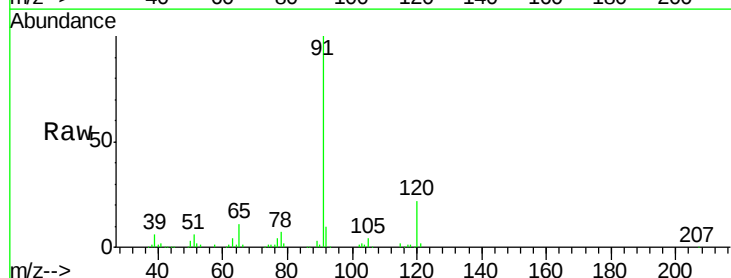
Acq: 27 Apr 2020 16:49

Tgt Ion: 91 Resp: 134410

Ion Ratio Lower Upper

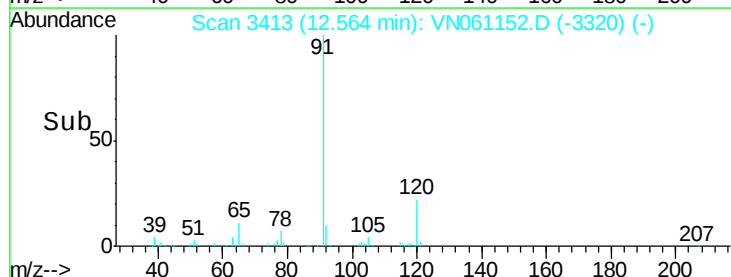
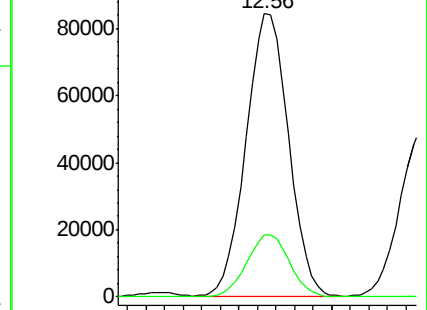
91 100

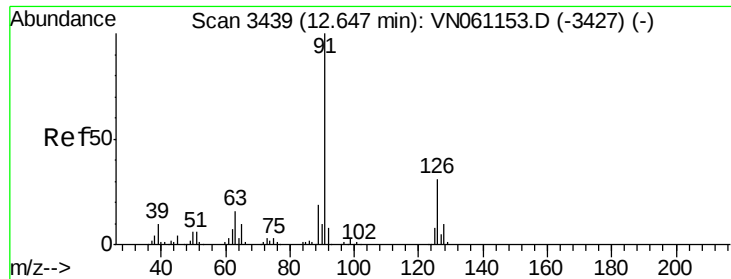
120 22.0 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.201 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 79377

Ion Ratio Lower Upper

91 100

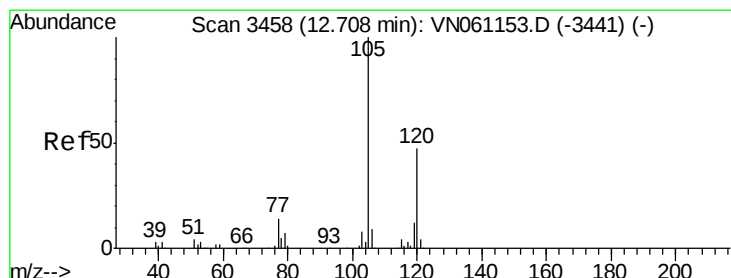
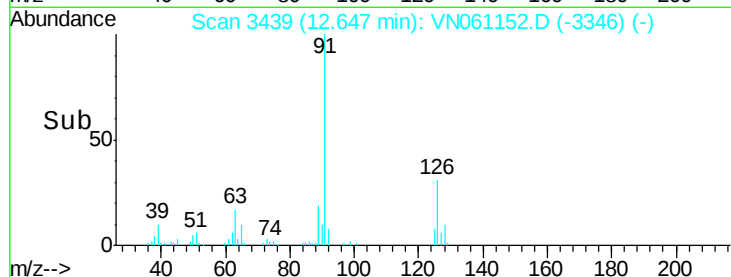
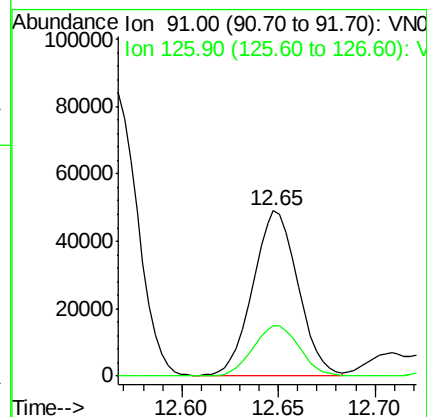
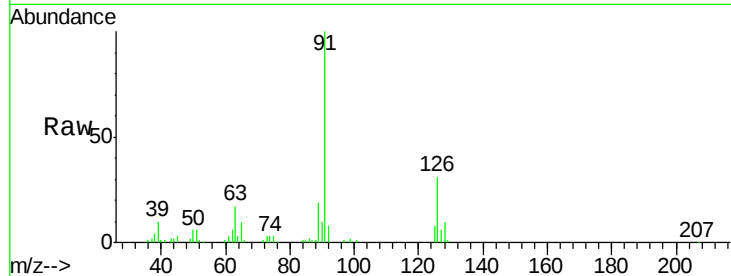
126 31.5 15.9 47.7

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#80

1,3,5-Trimethylbenzene

Concen: 18.499 ug/l

RT: 12.71 min Scan# 3458

Delta R.T. 0.00 min

Lab File: VN061152.D

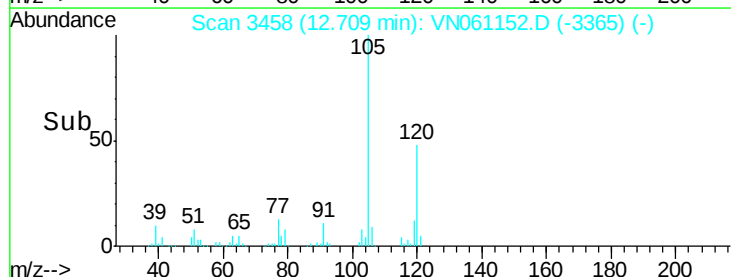
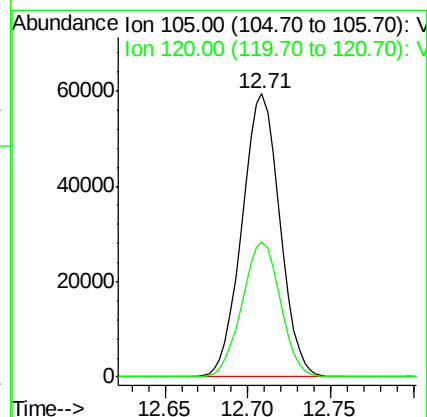
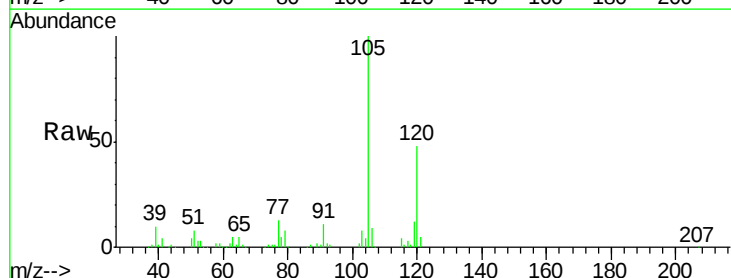
Acq: 27 Apr 2020 16:49

Tgt Ion: 105 Resp: 94225

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.567 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

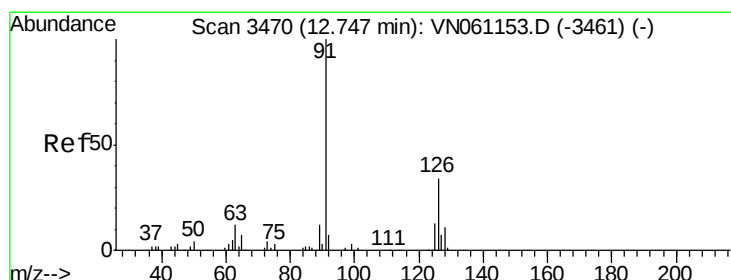
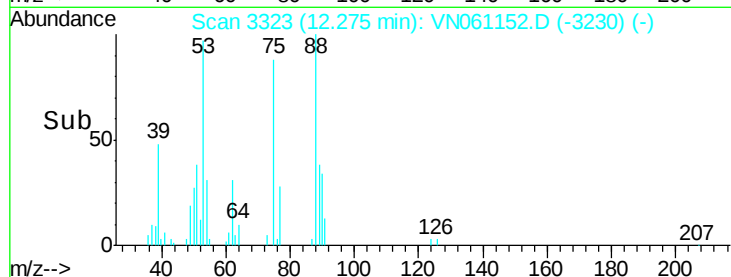
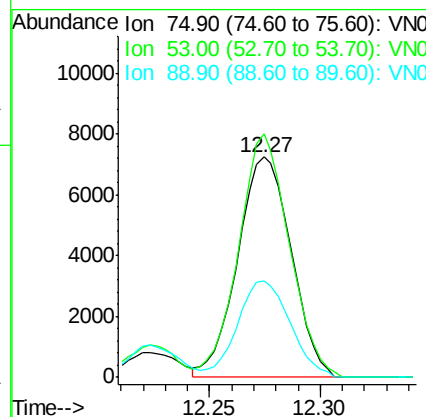
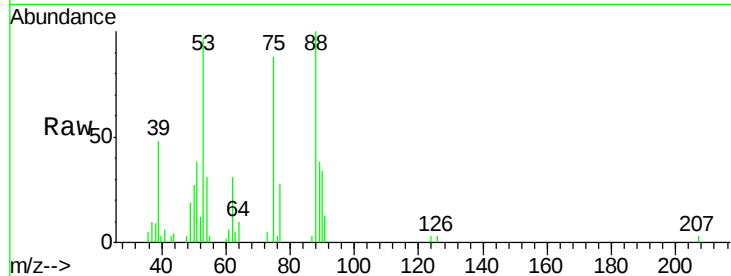
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	12210
Ion	Ratio	Lower	Upper
75	100		
53	104.5	84.1	126.1
89	43.0	35.2	52.8

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#82

4-Chlorotoluene

Concen: 18.682 ug/l

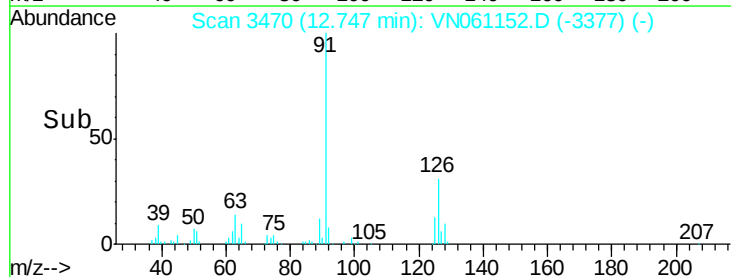
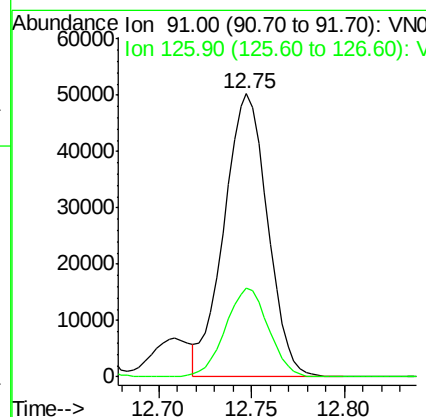
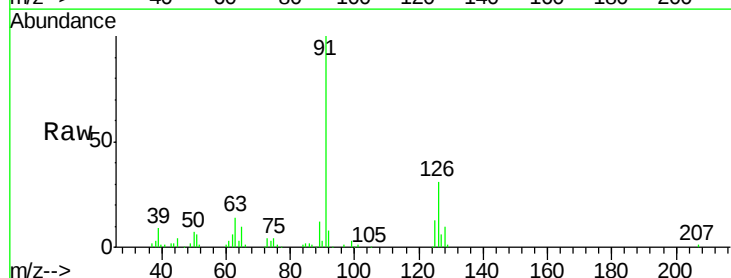
RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Tgt Ion:	91	Resp:	82063
Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.7	47.1





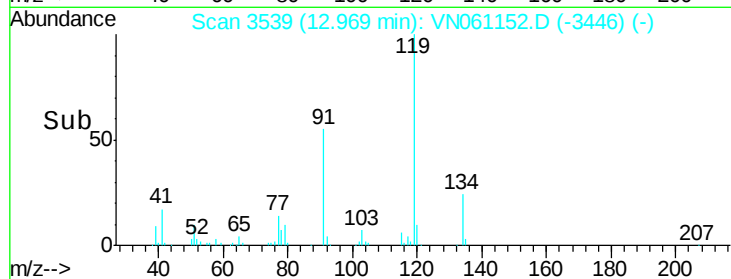
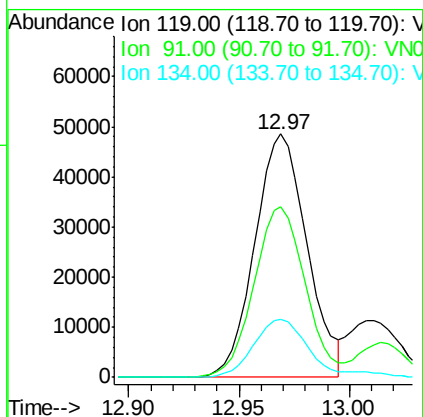
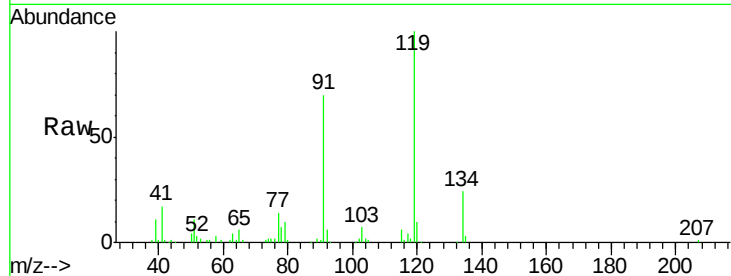
#83
tert-Butylbenzene
Concen: 18.692 ug/l
RT: 12.97 min Scan# 3539
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	34.8	104.4
134	24.5	12.9	38.7

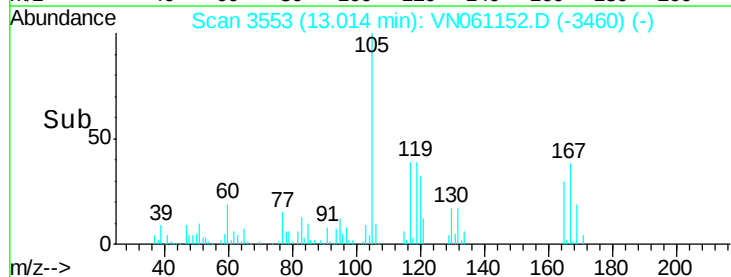
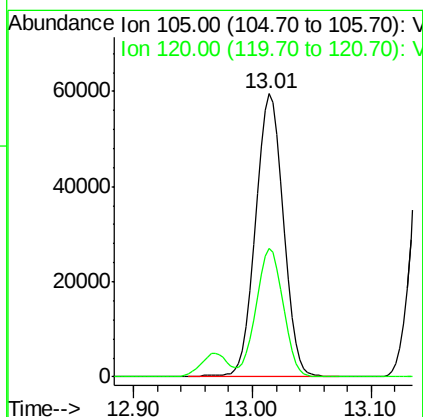
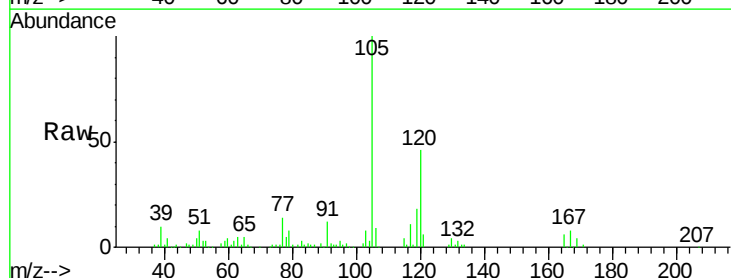
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#84
1,2,4-Trimethylbenzene
Concen: 18.995 ug/l
RT: 13.01 min Scan# 3553
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.2	66.6





#85

sec-Butylbenzene

Concen: 18.606 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 107910

Ion Ratio Lower Upper

105 100

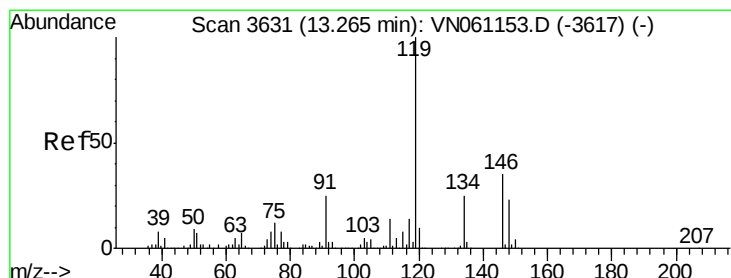
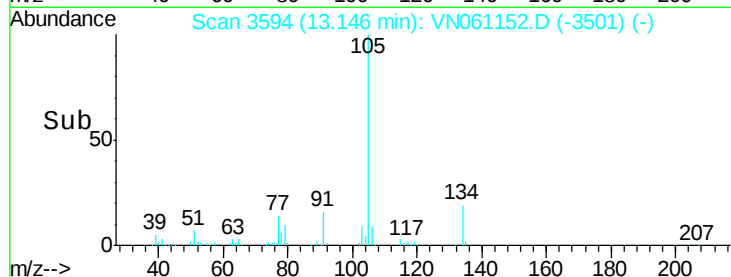
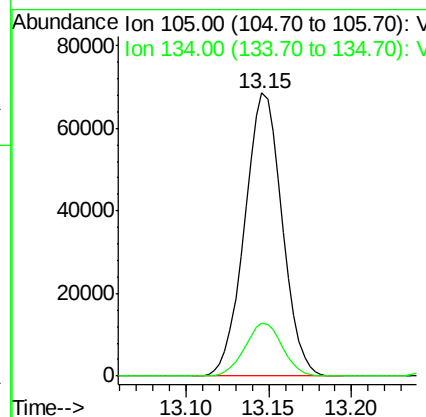
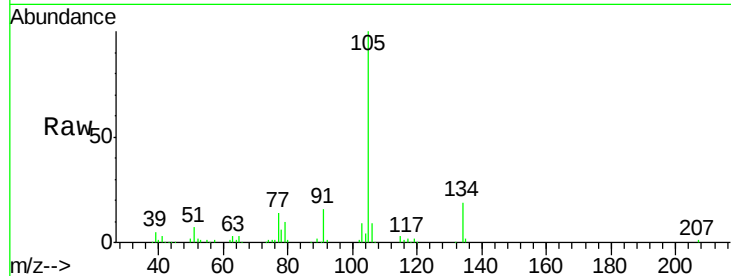
134 18.7 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 18.385 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

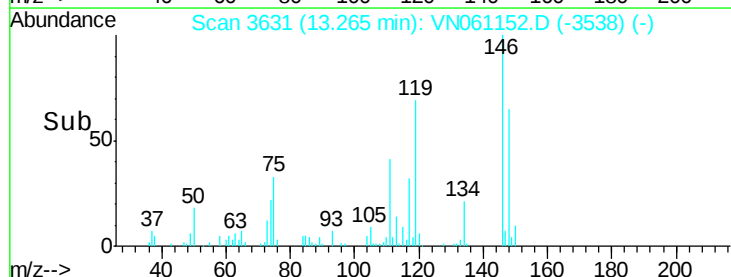
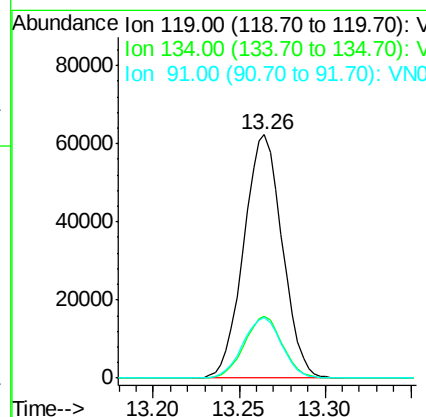
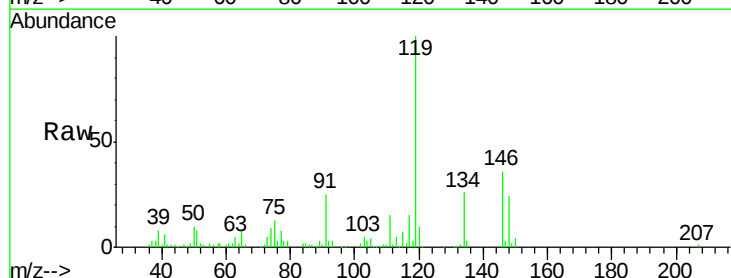
Tgt Ion:119 Resp: 96665

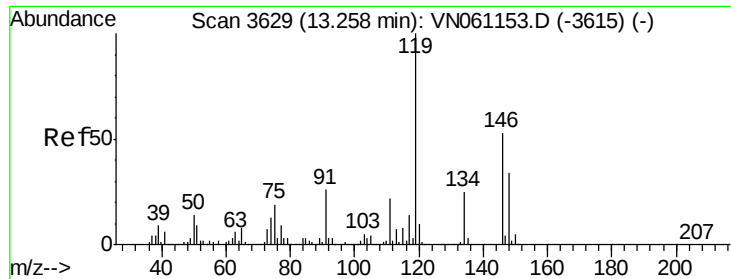
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.6

91 25.1 12.7 38.0





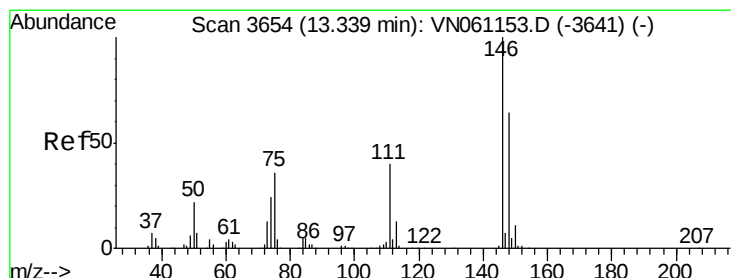
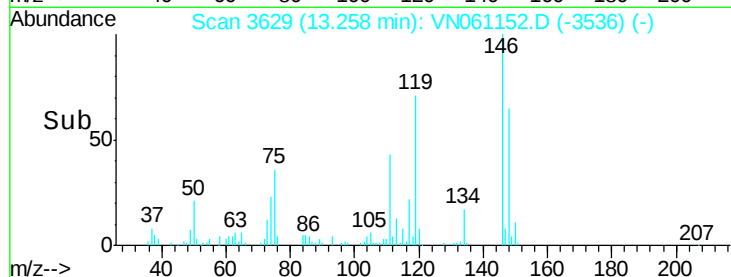
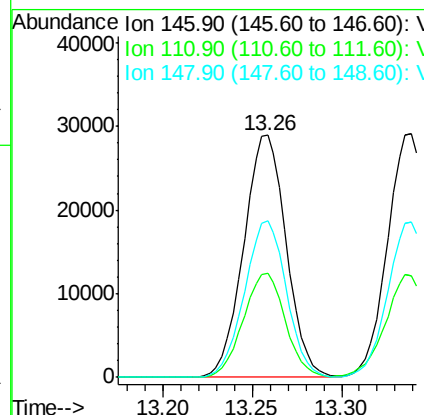
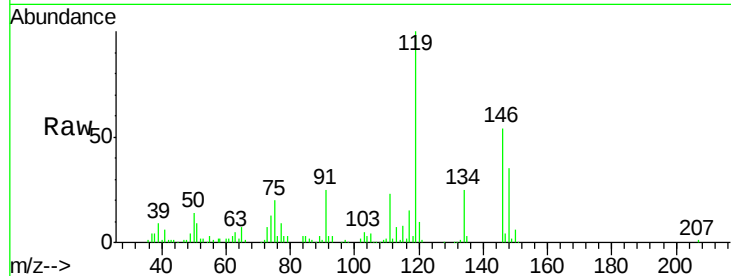
#87
 1,3-Dichlorobenzene
 Concen: 18.413 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.7	62.1
148	63.6	31.8	95.3

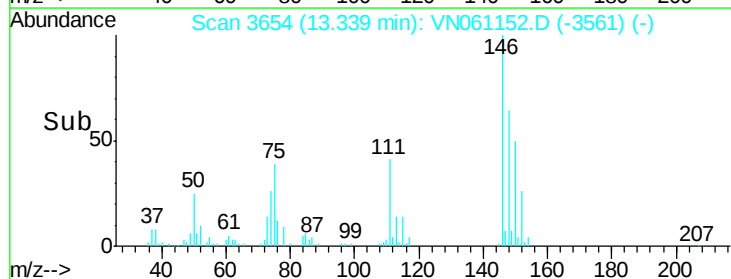
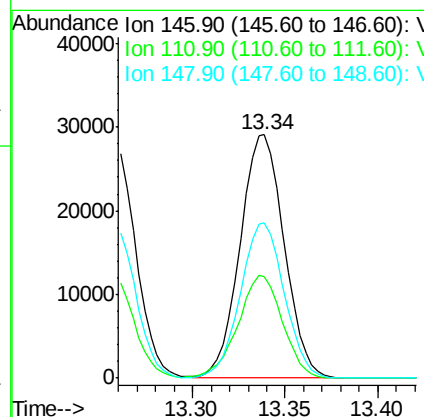
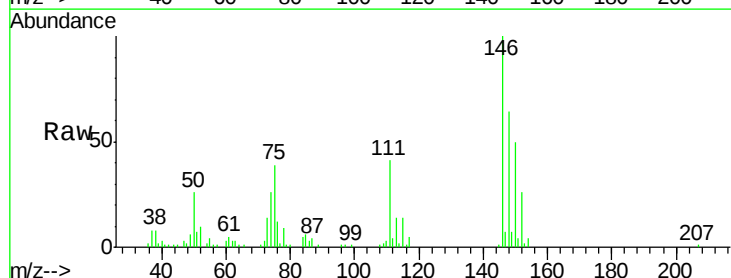
Manual Integrations
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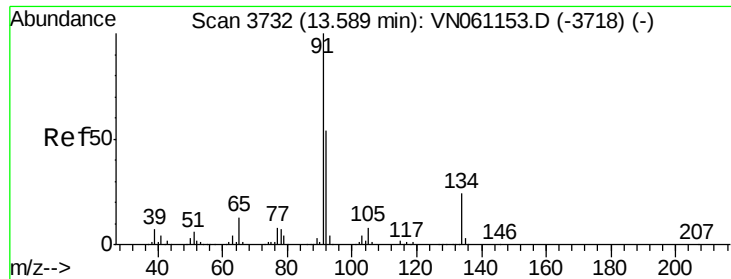
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#88
 1,4-Dichlorobenzene
 Concen: 18.144 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.3
148	63.7	31.9	95.7





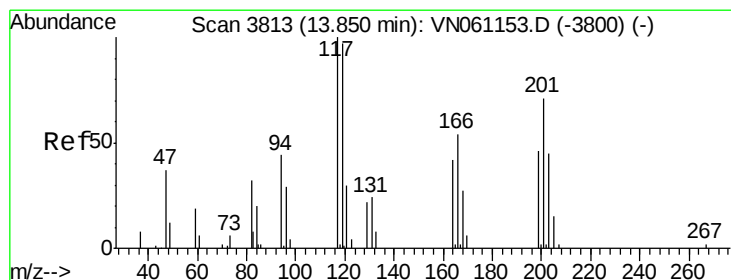
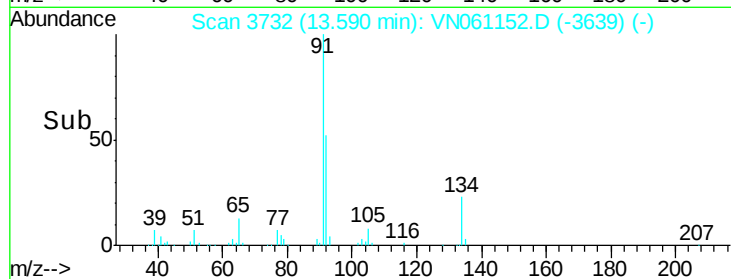
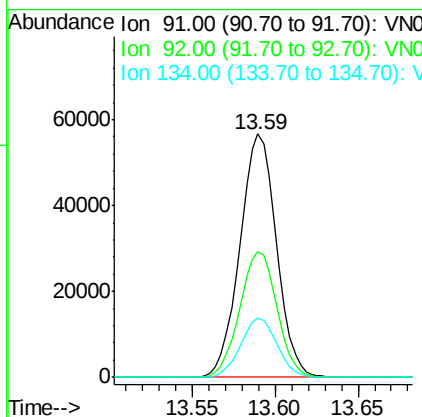
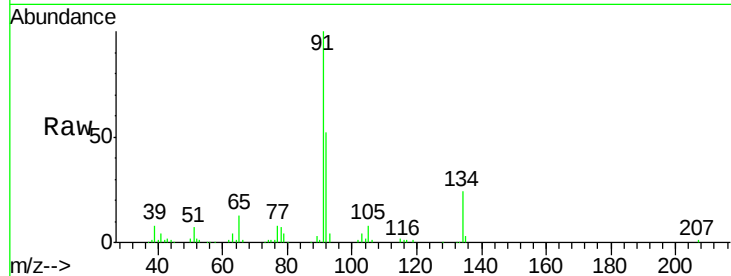
#89
n-Butylbenzene
Concen: 18.094 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	24.3	11.9	35.5

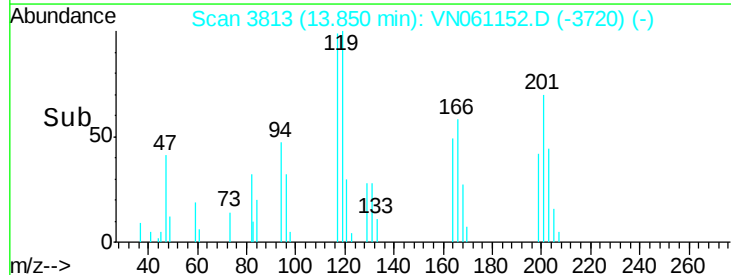
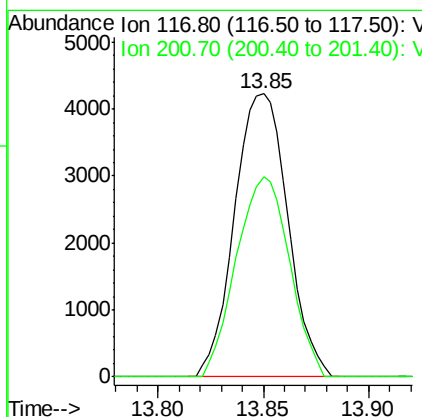
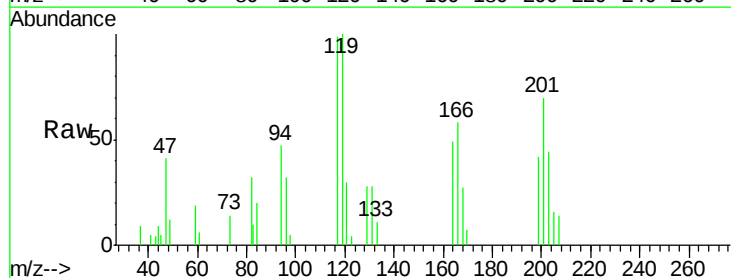
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#90
Hexachloroethane
Concen: 17.470 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061152.D
Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	35.5	106.7





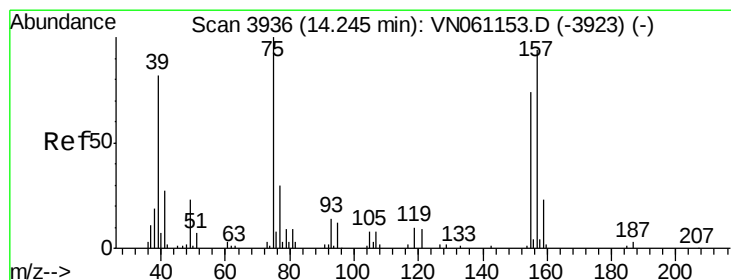
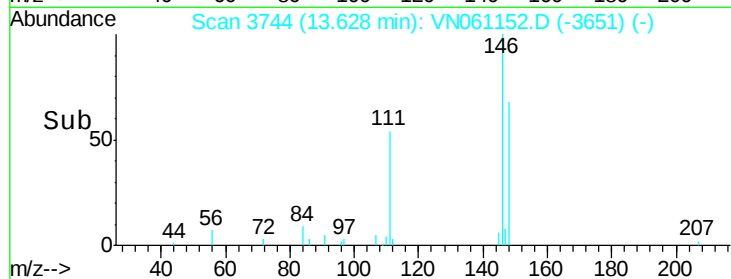
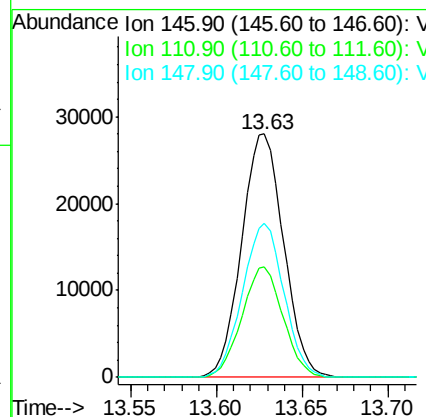
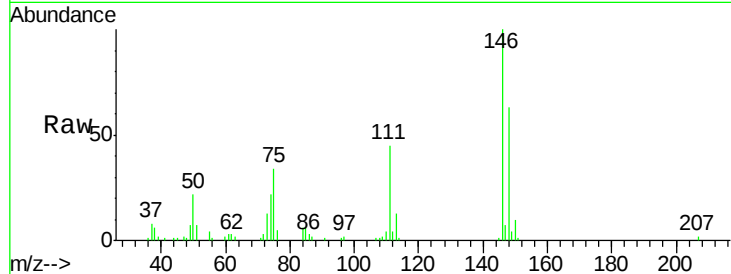
#91
 1,2-Dichlorobenzene
 Concen: 19.530 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.3
148	62.2	31.6	95.0

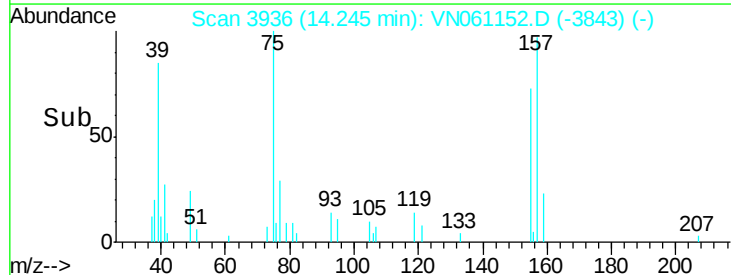
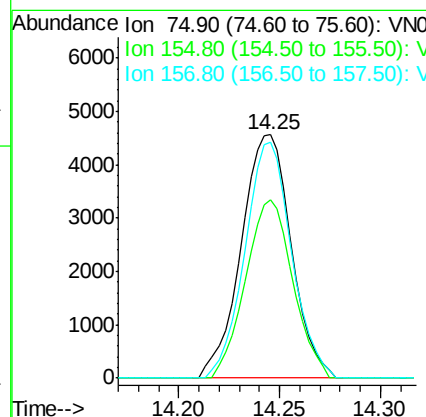
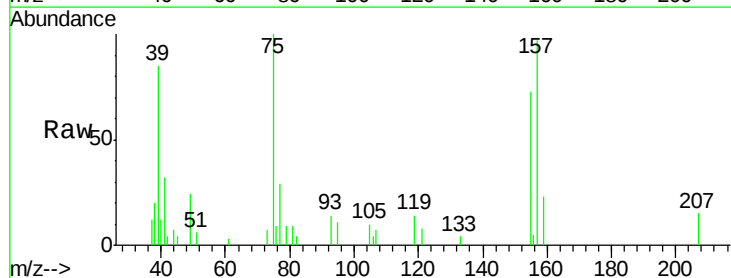
Manual Integrations
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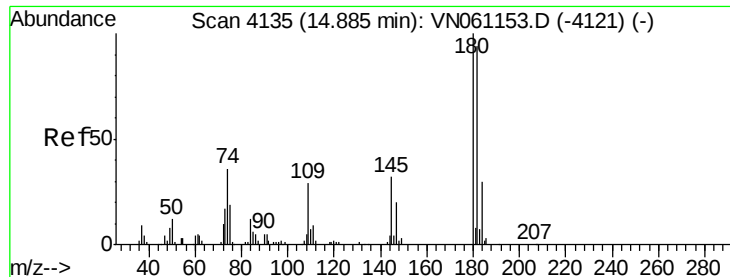
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.954 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	36.5	109.7
157	90.4	46.6	139.7





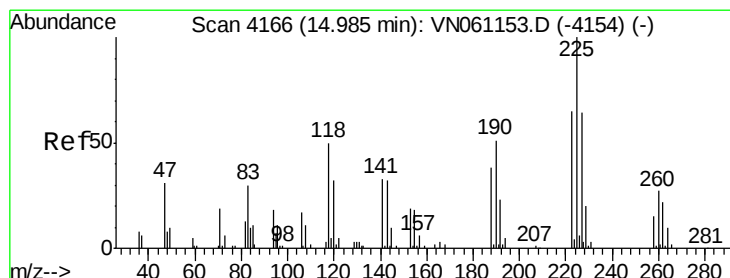
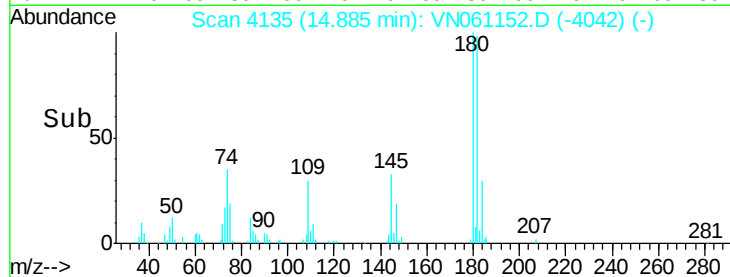
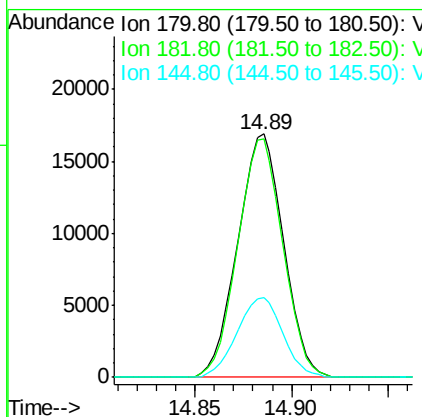
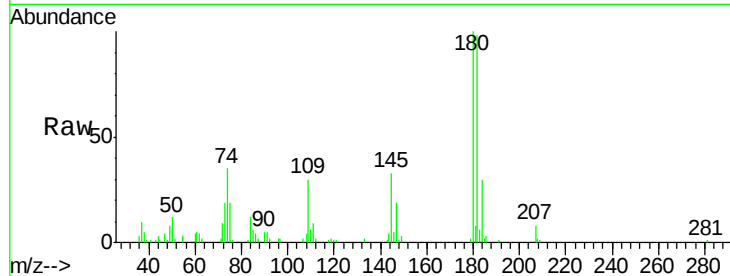
#93
 1,2,4-Trichlorobenzene
 Concen: 17.295 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.9
145	32.8	16.0	47.9

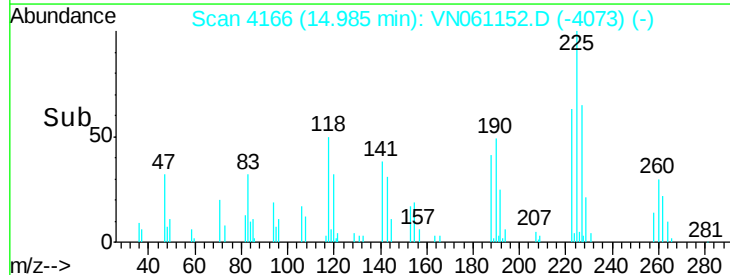
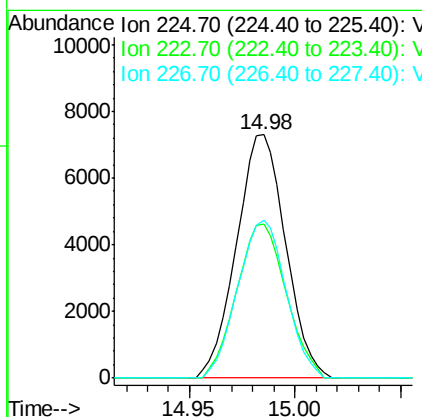
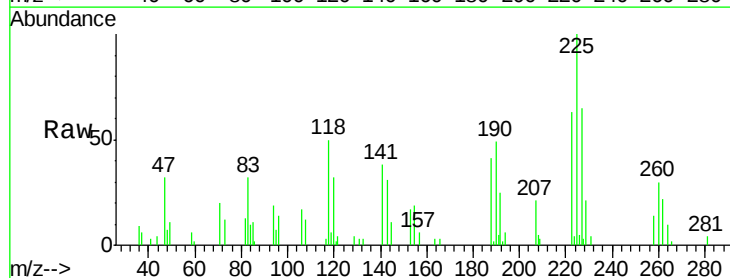
Manual Integrations
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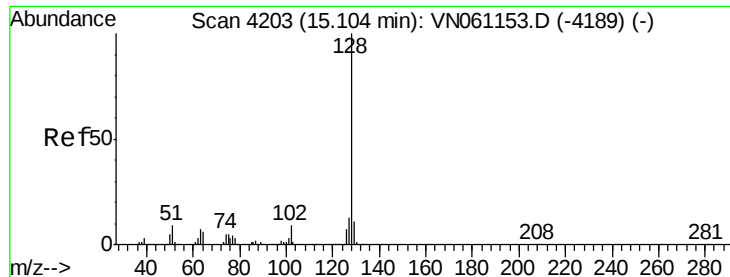
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#94
 Hexachlorobutadiene
 Concen: 16.946 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061152.D
 Acq: 27 Apr 2020 16:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	32.4	97.0
227	63.8	32.4	97.0





#95

Naphthalene

Concen: 18.181 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061152.D

Acq: 27 Apr 2020 16:49

Instrument :

MSVOA_N

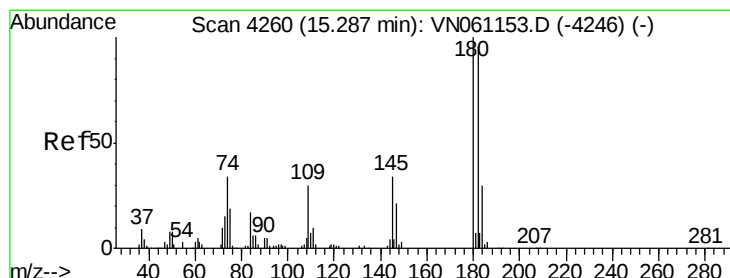
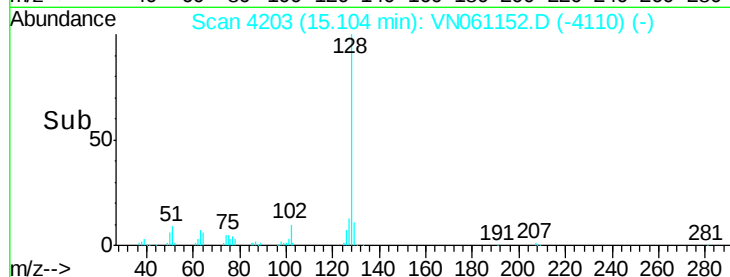
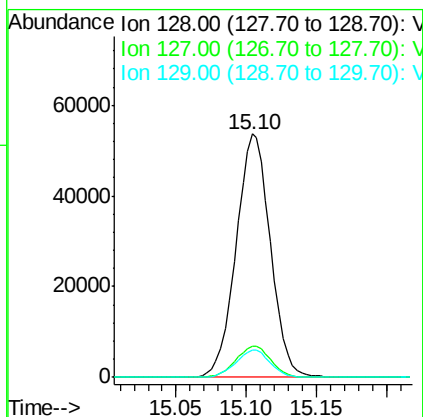
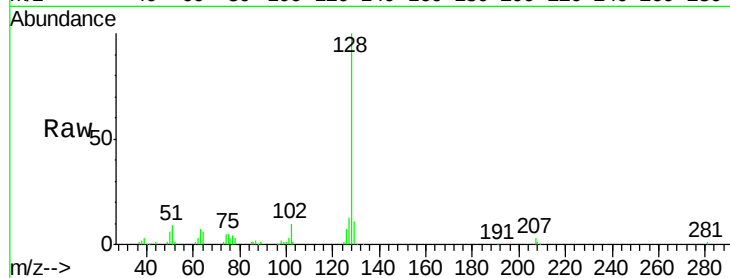
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	91161
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	11.1	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/28/2020 8:14:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.145 ug/l

RT: 15.28 min Scan# 4259

Delta R.T. -0.00 min

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Tgt Ion:	180	Resp:	28151
Ion Ratio	Lower	Upper	
180	100		
182	92.5	47.5	142.5
145	33.3	16.9	50.7

