

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060491.D
 Acq On : 13 Mar 2020 10:43
 Operator : JC/MD
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:04:46 PM

Quant Time: Mar 16 07:44:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123215	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
35) Dibromofluoromethane	7.56	113	92283	60.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.62%	
50) Toluene-d8	10.08	98	355557	46.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	133828	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	26587	14.392	ug/l 97
3) Chloromethane	2.03	50	50083	15.571	ug/l 99
4) Vinyl Chloride	2.16	62	40517	14.688	ug/l 100
5) Bromomethane	2.55	94	18027	14.531	ug/l 98
6) Chloroethane	2.68	64	23592	15.785	ug/l 97
7) Trichlorofluoromethane	3.00	101	56141	15.930	ug/l 96
8) Diethyl Ether	3.38	74	22518	16.923	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34808	17.452	ug/l 99
10) Methyl Iodide	3.93	142	23065	12.671	ug/l 98
11) Tert butyl alcohol	4.73	59	38152	99.387	ug/l 100
12) 1,1-Dichloroethene	3.71	96	33403	17.205	ug/l 99
13) Acrolein	3.58	56	32929	91.950	ug/l 98
14) Allyl chloride	4.29	41	58757	16.462	ug/l 96
15) Acrylonitrile	4.94	53	100155	98.986	ug/l 99
16) Acetone	3.78	43	87321	104.595	ug/l 98
17) Carbon Disulfide	4.03	76	77879	14.662	ug/l 100
18) Methyl Acetate	4.29	43	52986	19.018	ug/l 96
19) Methyl tert-butyl Ether	5.00	73	127487	18.139	ug/l 100
20) Methylene Chloride	4.52	84	39119	17.062	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	34527	16.314	ug/l 99
22) Diisopropyl ether	5.91	45	134618	18.620	ug/l 96
23) Vinyl Acetate	5.86	43	542864	94.493	ug/l 99
24) 1,1-Dichloroethane	5.82	63	73621	17.989	ug/l 99
25) 2-Butanone	6.80	43	136938	101.550	ug/l 98
26) 2,2-Dichloropropane	6.79	77	67113	18.013	ug/l 99
27) cis-1,2-Dichloroethene	6.80	96	44153	16.608	ug/l 99
28) Bromochloromethane	7.17	49	32127	19.120	ug/l 96
29) Tetrahydrofuran	7.18	42	91867	97.970	ug/l 98
30) Chloroform	7.35	83	74996	18.408	ug/l 99
31) Cyclohexane	7.63	56	63450	17.291	ug/l 94
32) 1,1,1-Trichloroethane	7.54	97	63550	17.606	ug/l 100
36) 1,1-Dichloropropene	7.77	75	52088	16.718	ug/l 99
37) Ethyl Acetate	6.90	43	59689	20.232	ug/l 98
38) Carbon Tetrachloride	7.75	117	50375	16.606	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	58552	15.939	ug/l	98
40) Benzene	8.02	78	161012	17.755	ug/l	100
41) Methacrylonitrile	7.14	41	22503m	16.520	ug/l	
42) 1,2-Dichloroethane	8.10	62	59217	18.096	ug/l	99
43) Isopropyl Acetate	8.14	43	100656	19.489	ug/l	98
44) Trichloroethene	8.82	130	42148	16.688	ug/l	96
45) 1,2-Dichloropropane	9.10	63	44989	18.975	ug/l	100
46) Dibromomethane	9.19	93	27276	17.730	ug/l	100
47) Bromodichloromethane	9.38	83	58945	18.839	ug/l	100
48) Methyl methacrylate	9.18	41	42604	18.089	ug/l	99
49) 1,4-Dioxane	9.18	88	13063	394.409	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	294162	100.454	ug/l	99
52) Toluene	10.14	92	99284	17.429	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	64895	16.926	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	71100	17.897	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40254	17.572	ug/l	97
56) Ethyl methacrylate	10.42	69	60776	18.467	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69853	18.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151640	88.099	ug/l	99
59) 2-Hexanone	10.74	43	208267	96.866	ug/l	100
60) Dibromochloromethane	10.89	129	42748	18.350	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40280	18.038	ug/l	95
64) Tetrachloroethene	10.62	164	41520	16.647	ug/l	99
65) Chlorobenzene	11.43	112	102658	16.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40189	17.956	ug/l	99
67) Ethyl Benzene	11.50	91	191569	17.378	ug/l	99
68) m/p-Xylenes	11.62	106	140815	33.856	ug/l	100
69) o-Xylene	11.94	106	67584	17.040	ug/l	97
70) Styrene	11.96	104	110164	16.894	ug/l	99
71) Bromoform	12.12	173	29174	18.085	ug/l #	99
73) Isopropylbenzene	12.25	105	186719	17.910	ug/l	100
74) N-amyl acetate	12.06	43	82828	18.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57877	20.423	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	53433m	17.314	ug/l	
77) Bromobenzene	12.52	156	44638	17.467	ug/l	98
78) n-propylbenzene	12.59	91	217075	17.763	ug/l	99
79) 2-Chlorotoluene	12.67	91	127327	17.725	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	155726	17.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20901	18.696	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130692	17.268	ug/l	98
83) tert-Butylbenzene	12.99	119	132865	17.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	156159	17.625	ug/l	100
85) sec-Butylbenzene	13.17	105	177012	17.393	ug/l	100
86) p-Isopropyltoluene	13.28	119	159537	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78669	17.793	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77979	17.636	ug/l	99
89) n-Butylbenzene	13.61	91	143404	16.585	ug/l	99
90) Hexachloroethane	13.87	117	22281	16.342	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77266	17.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11606	18.085	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46060	16.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	23351	17.481	ug/l	99
95) Naphthalene	15.13	128	134396	15.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44544	16.501	ug/l	99

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

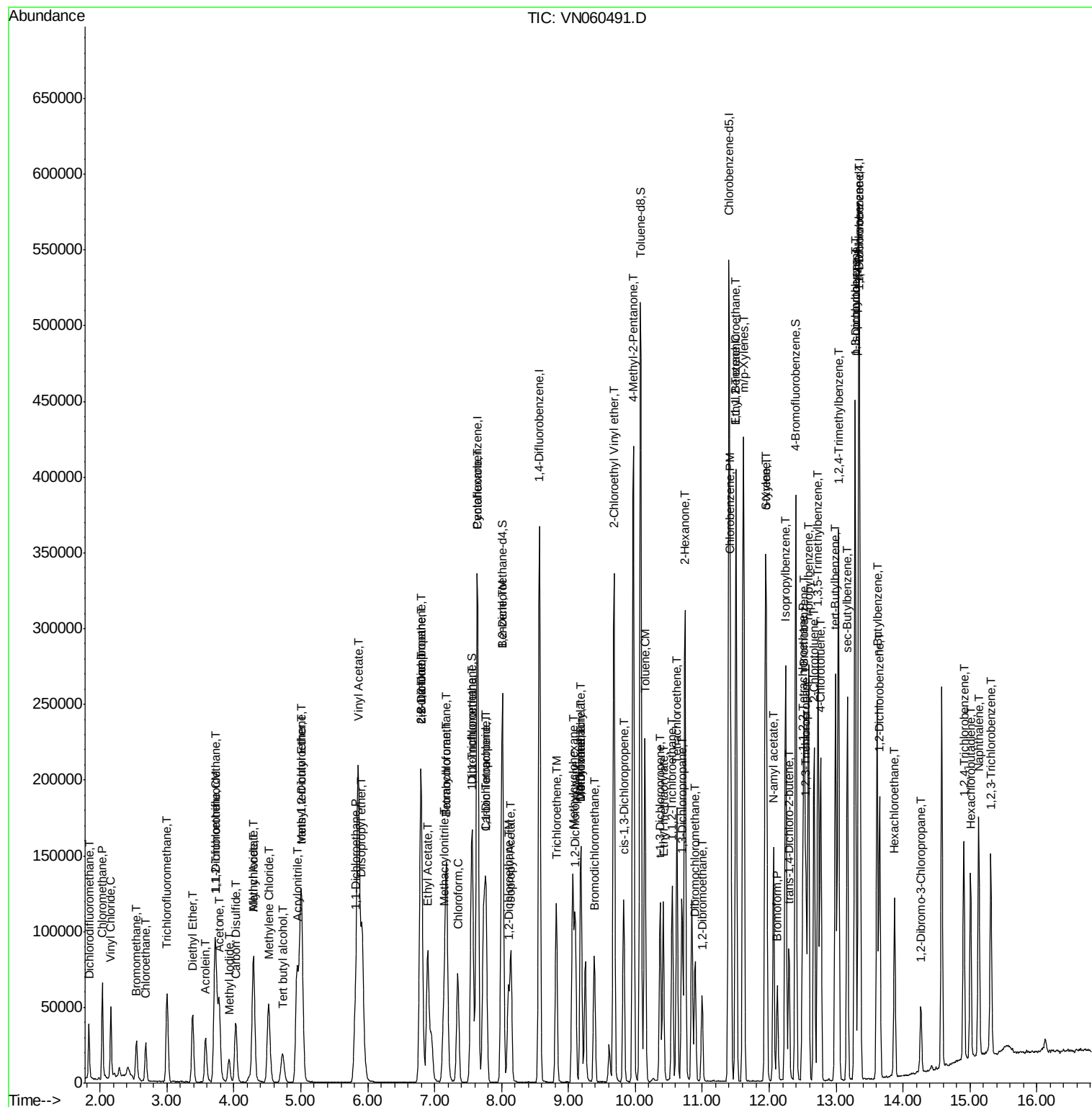
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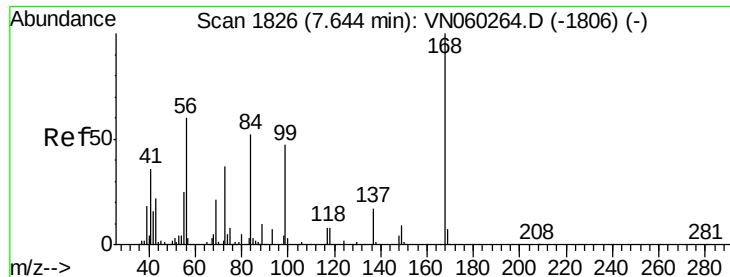
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:168 Resp: 201496

Ion Ratio Lower Upper

168 100

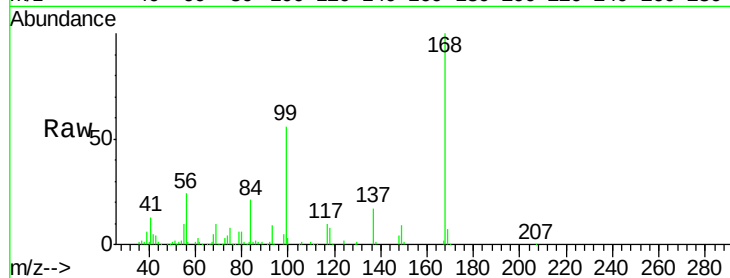
99 56.0 44.7 67.1

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

7.64

80000

60000

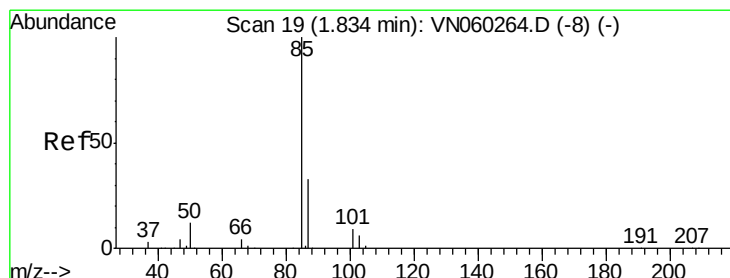
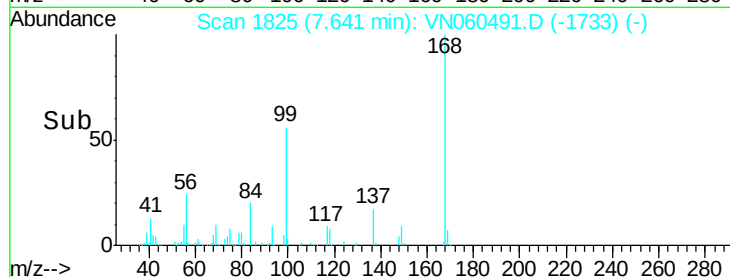
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.392 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060491.D

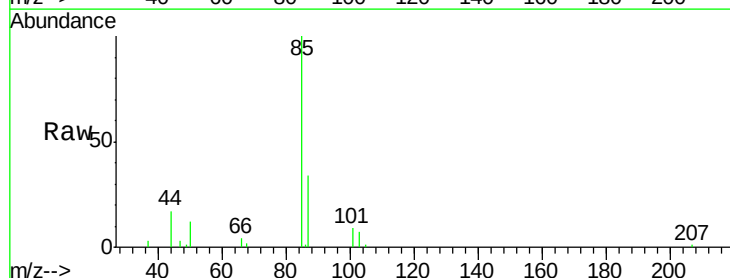
Acq: 13 Mar 2020 10:43

Tgt Ion: 85 Resp: 26587

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

20000

15000

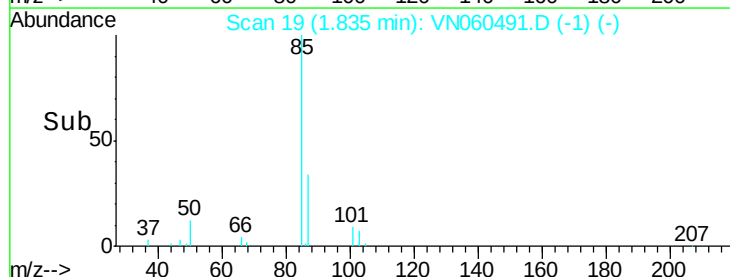
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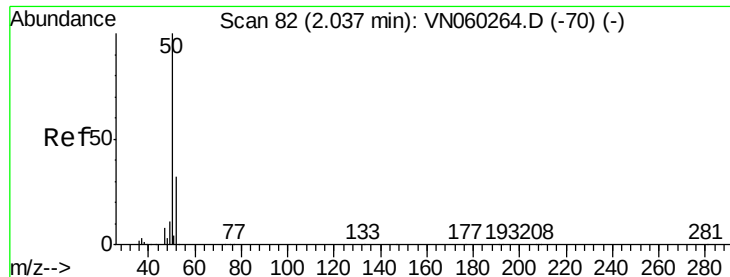
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.571 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 50 Resp: 50083

Ion Ratio Lower Upper

50 100

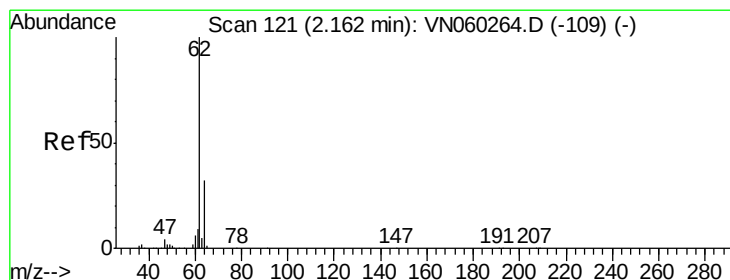
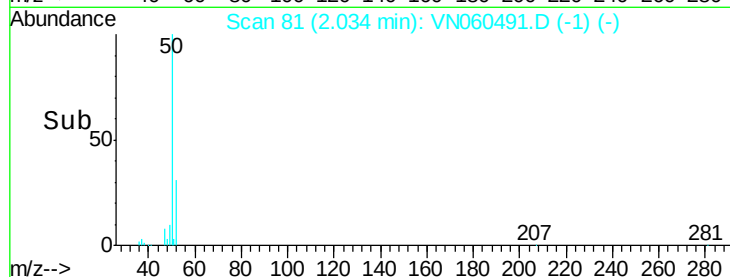
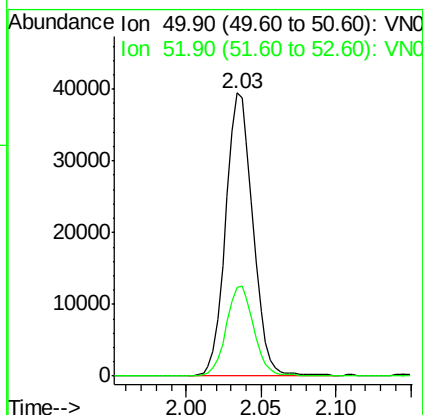
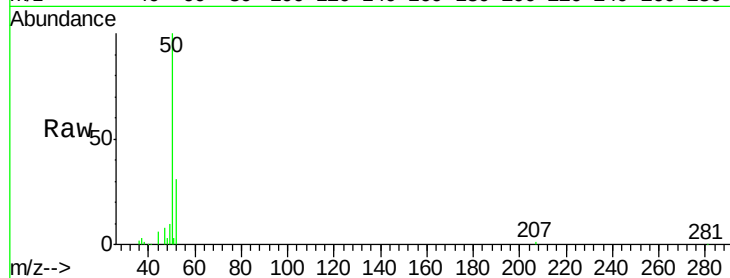
52 31.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 14.688 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060491.D

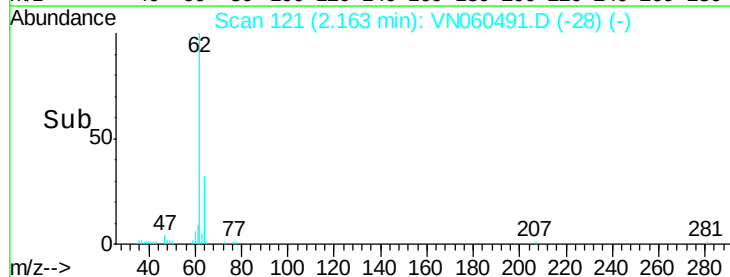
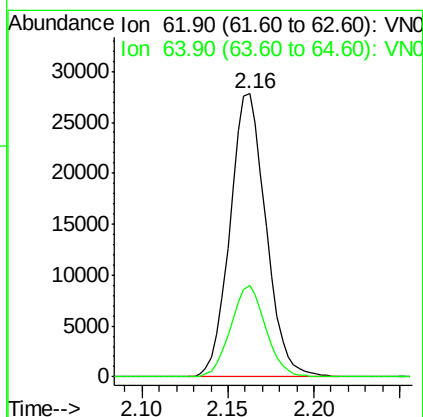
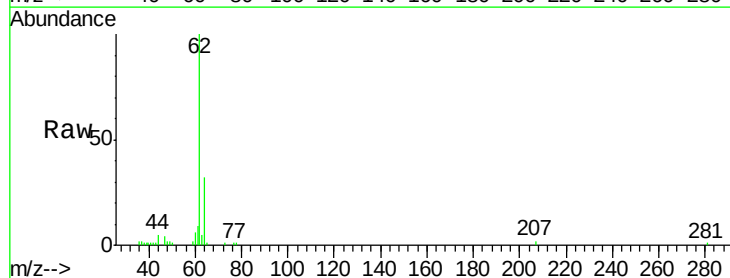
Acq: 13 Mar 2020 10:43

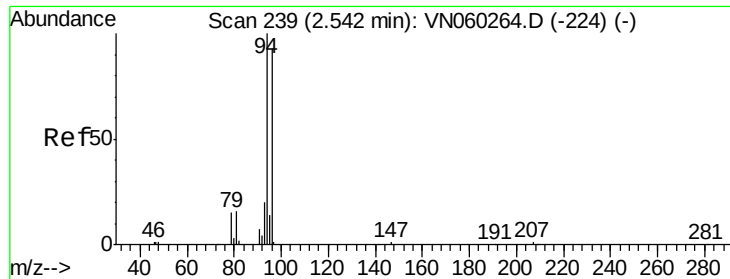
Tgt Ion: 62 Resp: 40517

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3





#5

Bromomethane

Concen: 14.531 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 94 Resp: 18027

Ion Ratio Lower Upper

94 100

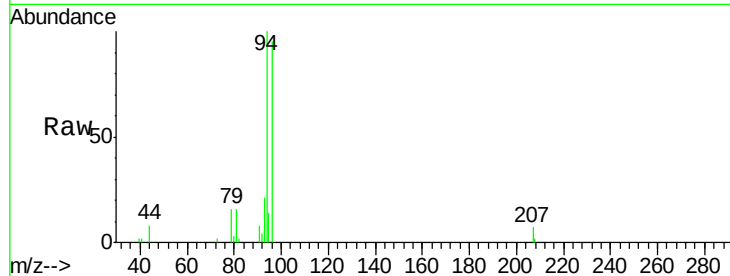
96 95.0 74.3 111.5

Manual Integrations

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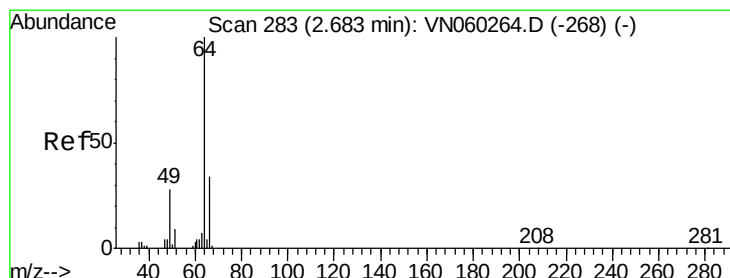
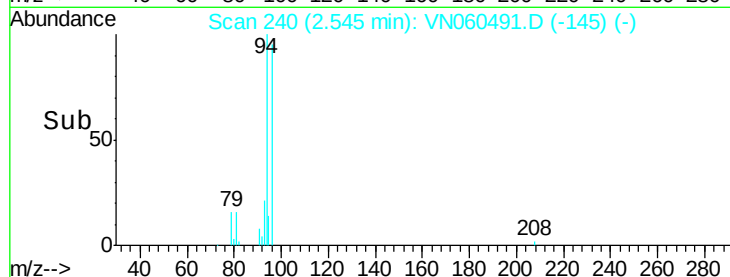
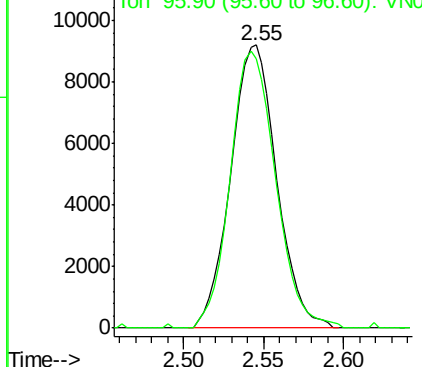
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.785 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060491.D

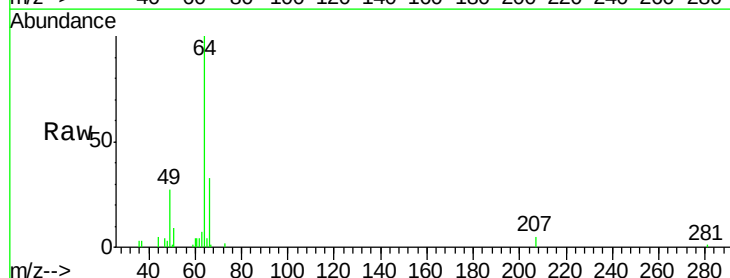
Acq: 13 Mar 2020 10:43

Tgt Ion: 64 Resp: 23592

Ion Ratio Lower Upper

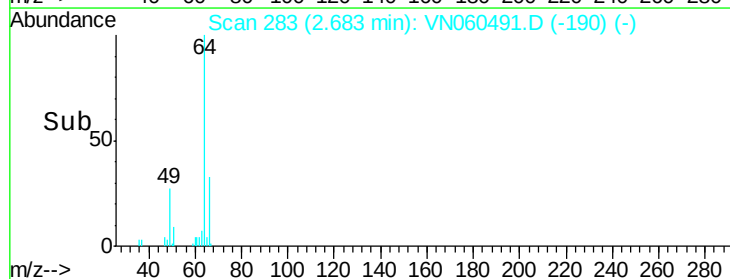
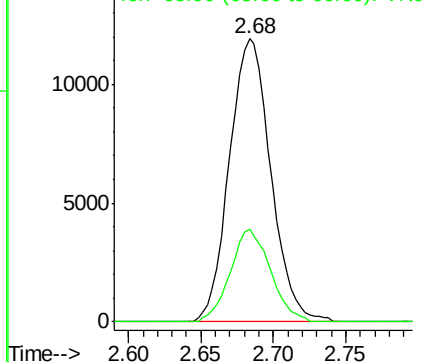
64 100

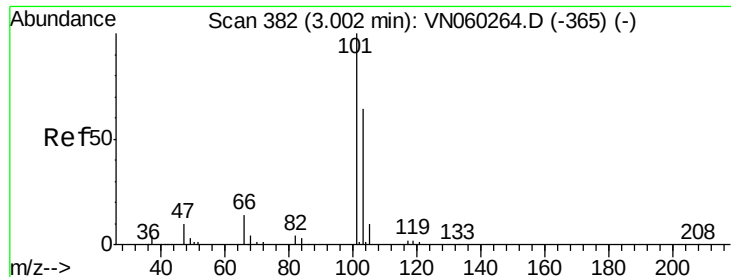
66 32.6 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

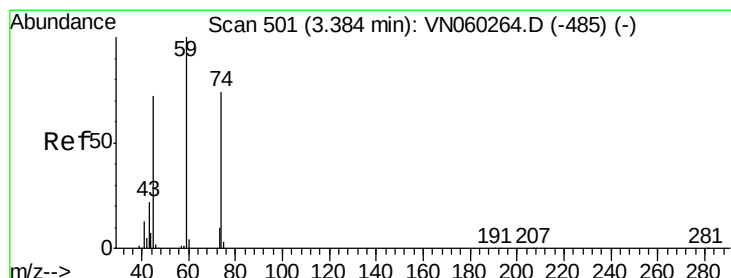
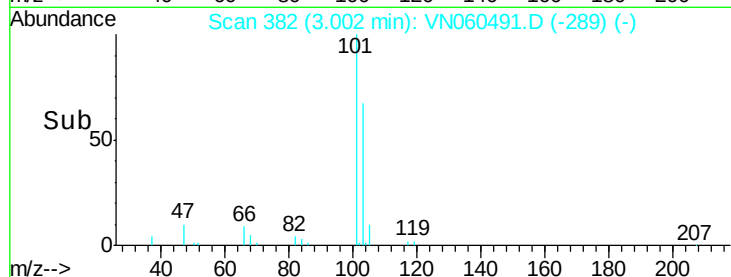
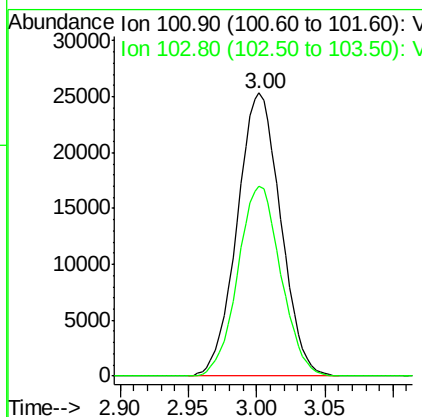
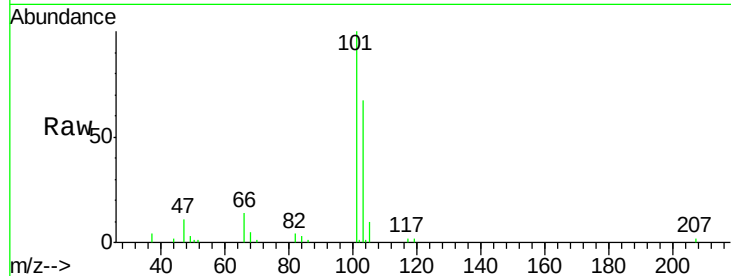
Trichlorofluoromethane
 Concen: 15.930 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060491.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		56141		
103	67.2	51.3	76.9		

Manual Integrations
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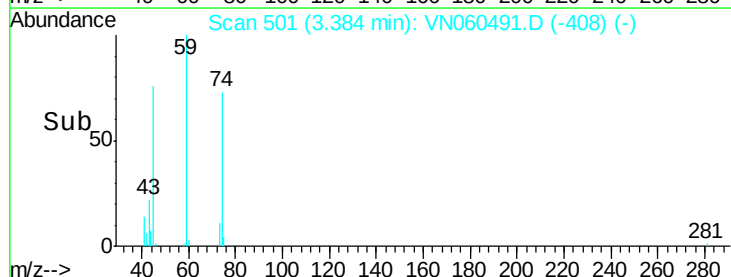
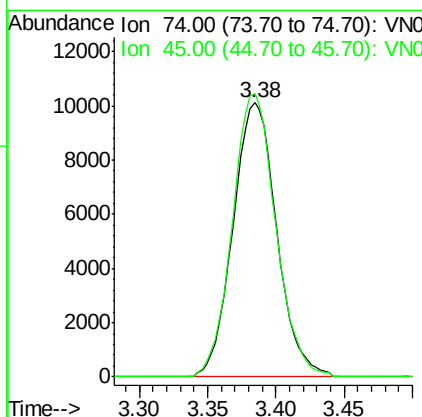
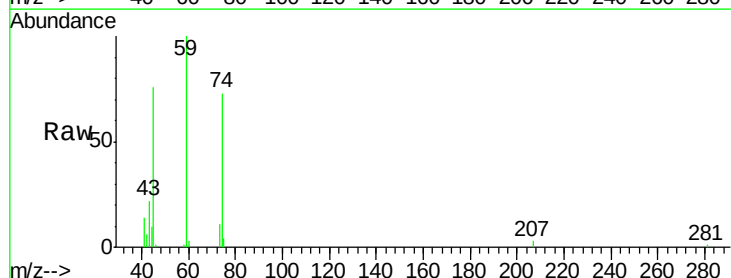
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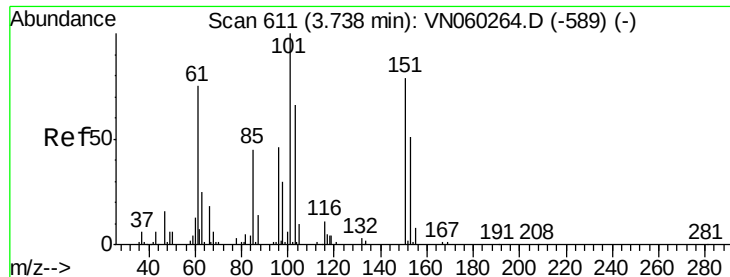


#8

Diethyl Ether
 Concen: 16.923 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22518		
45	102.4	49.5	148.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.452 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

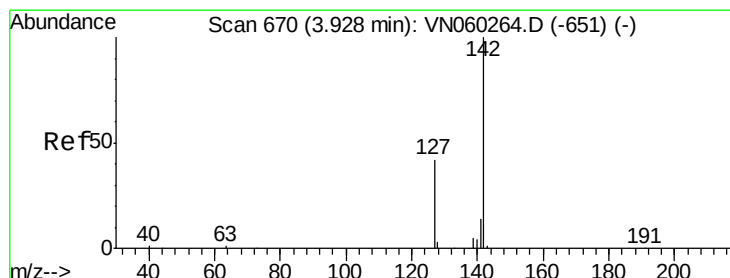
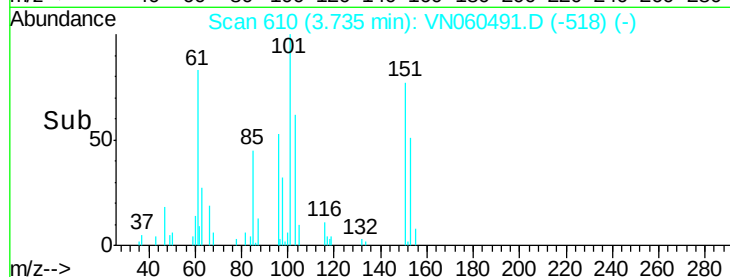
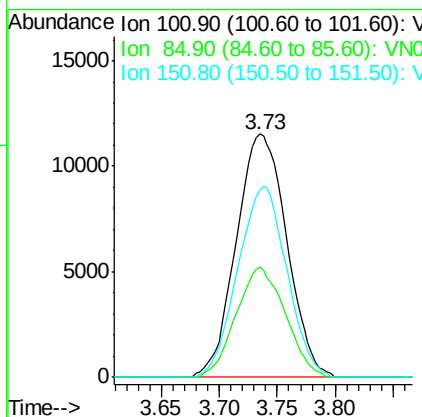
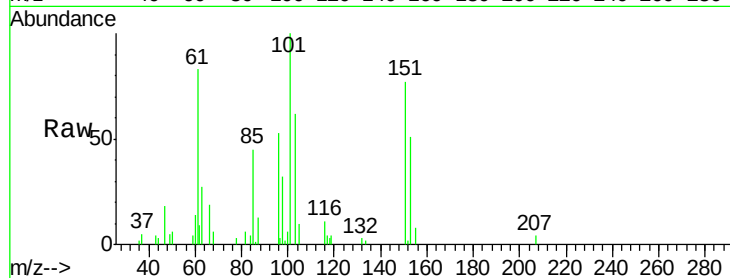
ClientSampleId :

VN0313WBS01

Tot Ion:	101	Resp:	34808
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.4	53.2
151	76.5	62.0	93.0

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#10

Methyl Iodide

Concen: 12.671 ug/l

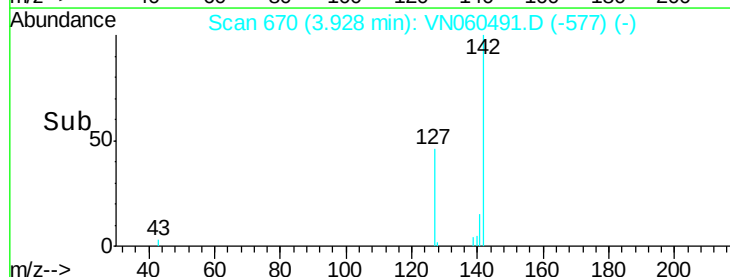
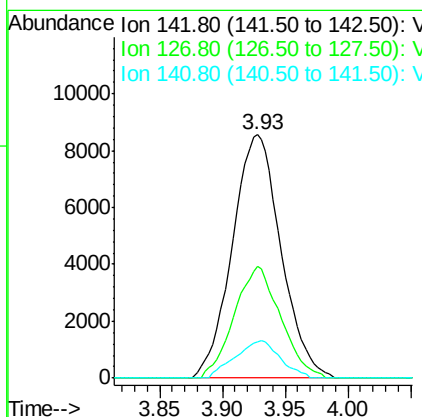
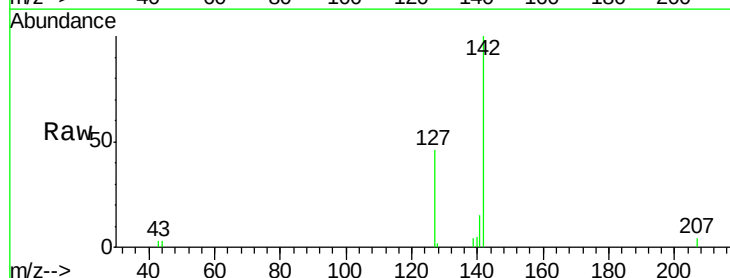
RT: 3.93 min Scan# 670

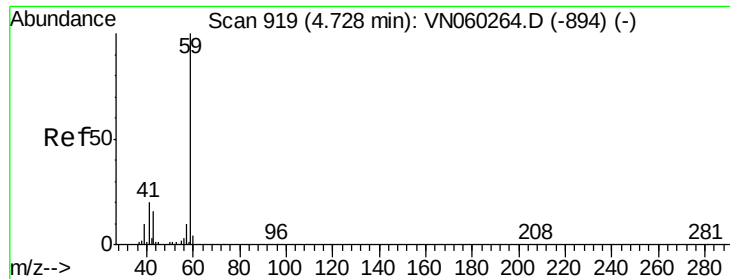
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	142	Resp:	23065
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.2	11.1	16.7





#11

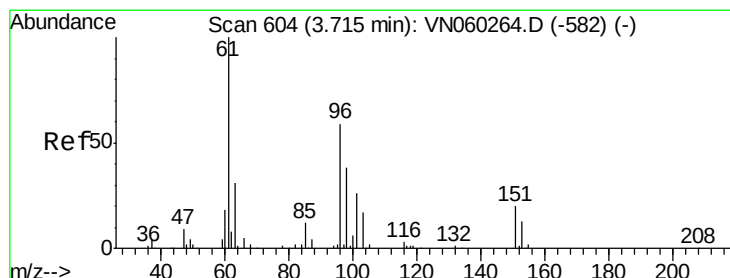
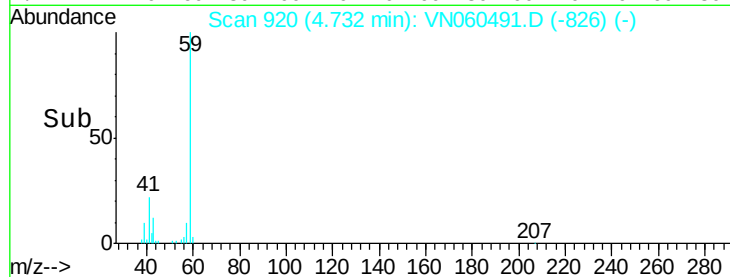
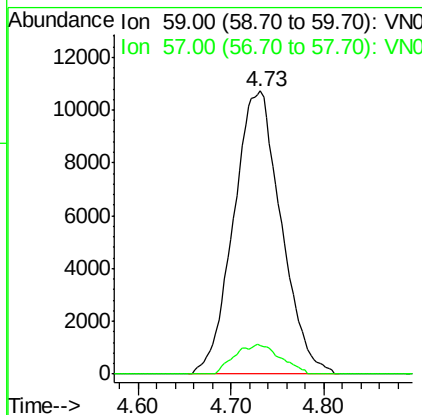
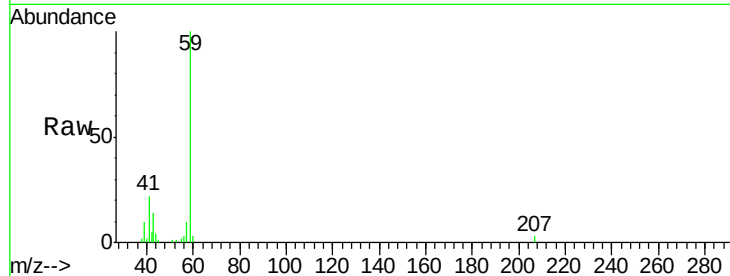
Tert butyl alcohol
 Concen: 99.387 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.2

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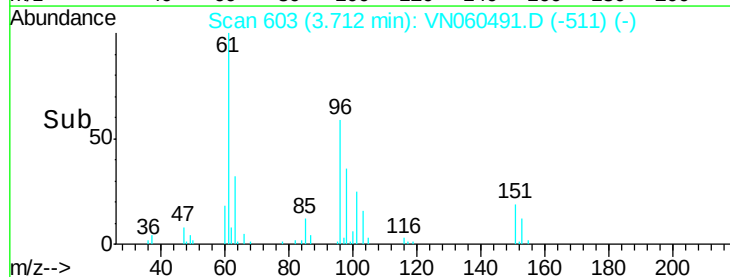
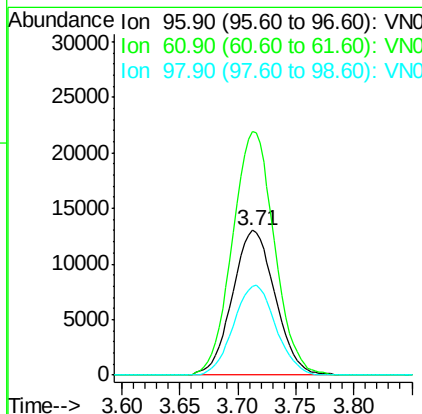
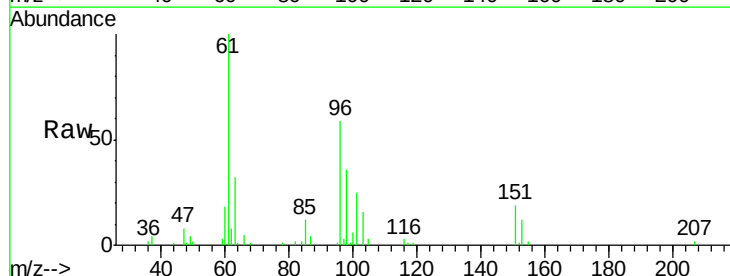
MMDadoda
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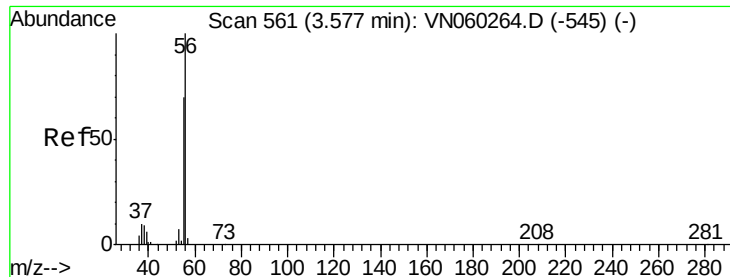


#12

1,1-Dichloroethene
 Concen: 17.205 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	135.4	203.0
98	61.4	51.6	77.4





#13

Acrolein

Concen: 91.950 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 56 Resp: 32929

Ion Ratio Lower Upper

56 100

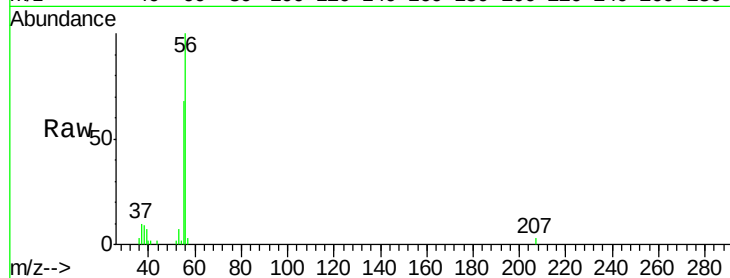
55 69.7 57.4 86.0

Manual Integrations

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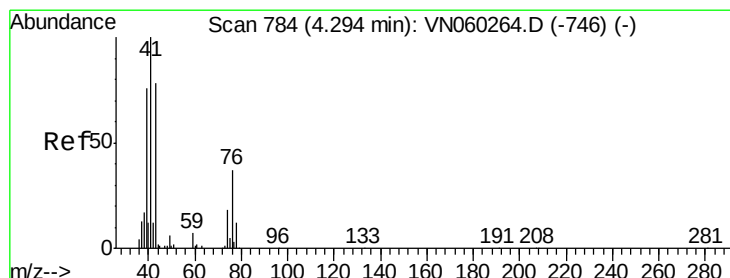
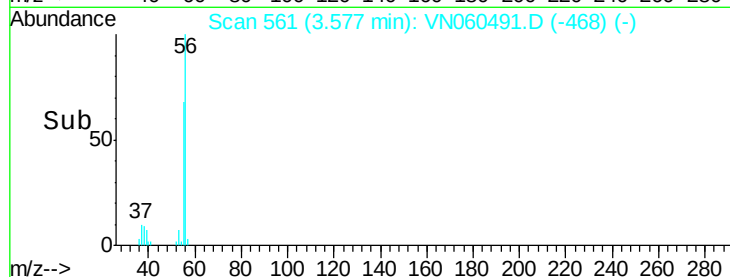
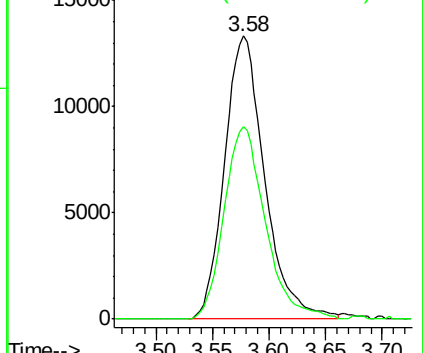
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.462 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

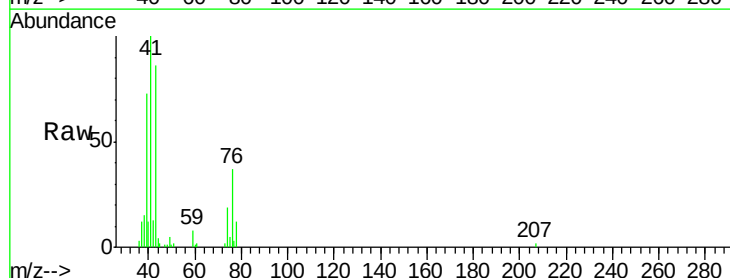
Tgt Ion: 41 Resp: 58757

Ion Ratio Lower Upper

41 100

39 73.4 55.4 83.2

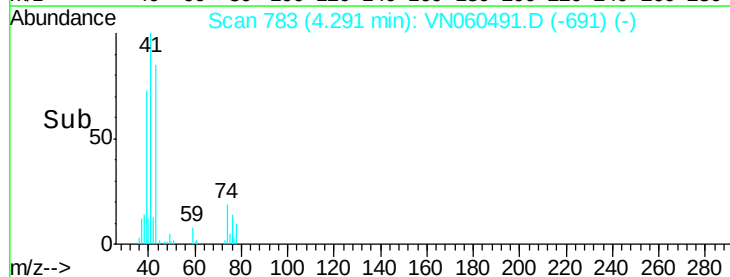
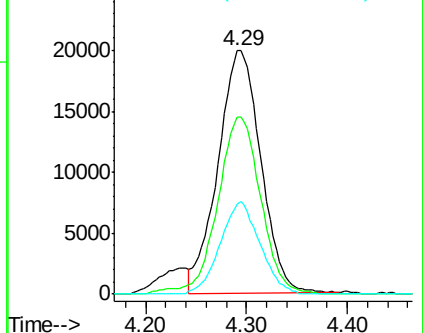
76 35.2 27.0 40.6

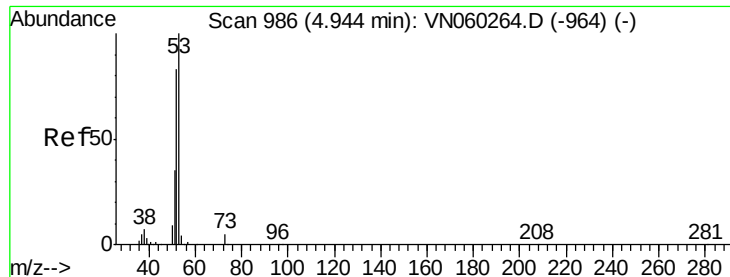


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.986 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

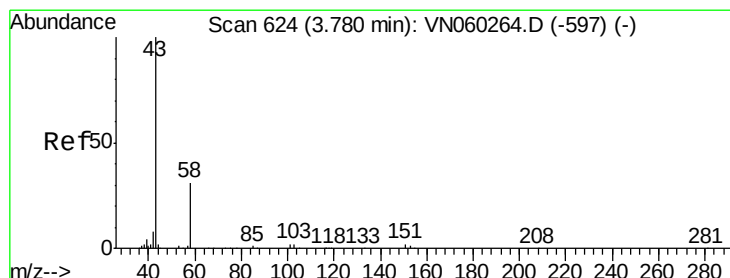
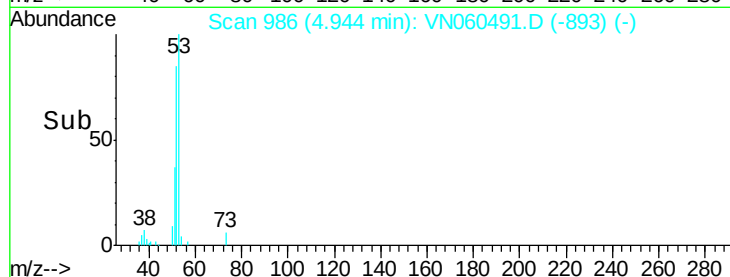
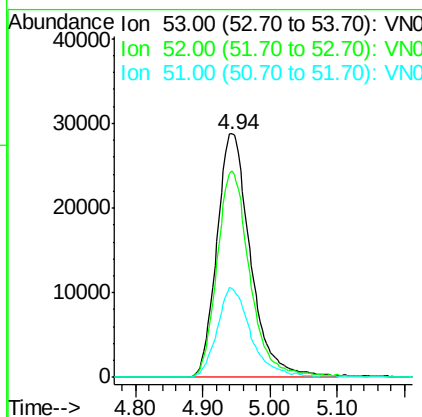
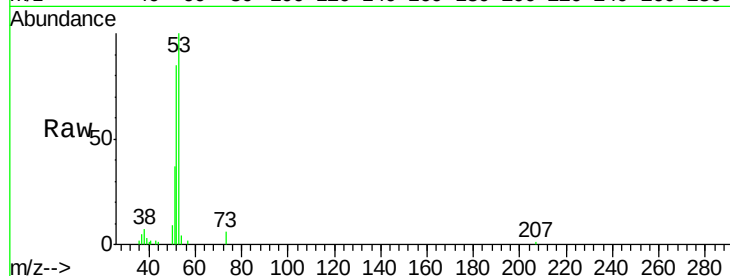
ClientSampleId :

VN0313WBS01

Tot Ion:	53	Resp:	100155
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.8	100.2
51	36.8	29.0	43.6

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#16

Acetone

Concen: 104.595 ug/l

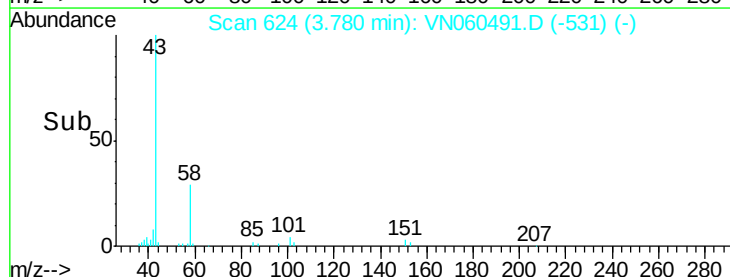
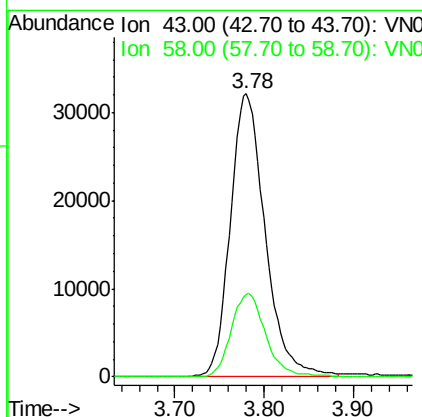
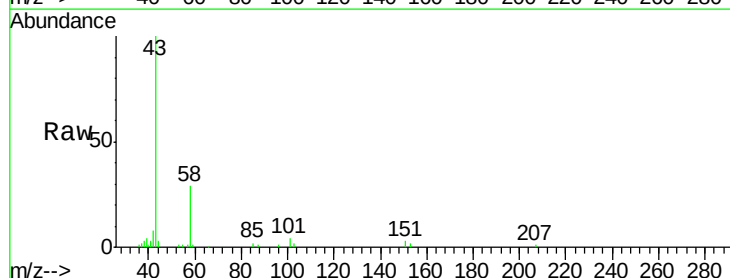
RT: 3.78 min Scan# 624

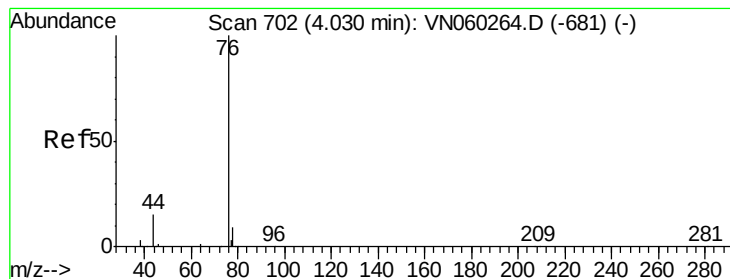
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	43	Resp:	87321
Ion Ratio	Lower	Upper	
43	100		
58	29.3	24.6	36.8





#17

Carbon Disulfide

Concen: 14.662 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 76 Resp: 77879

Ion Ratio Lower Upper

76 100

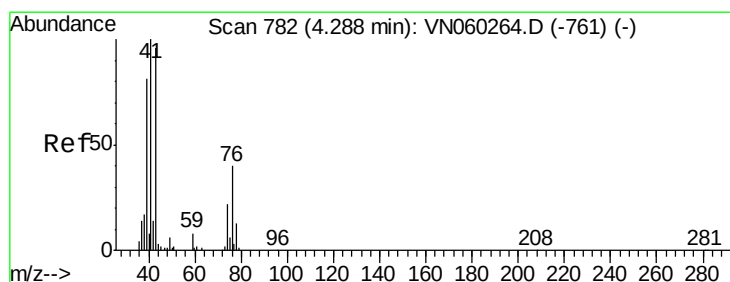
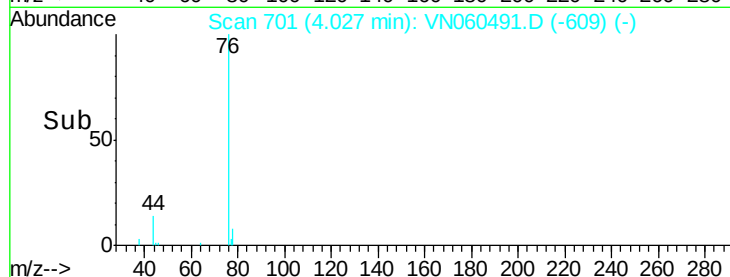
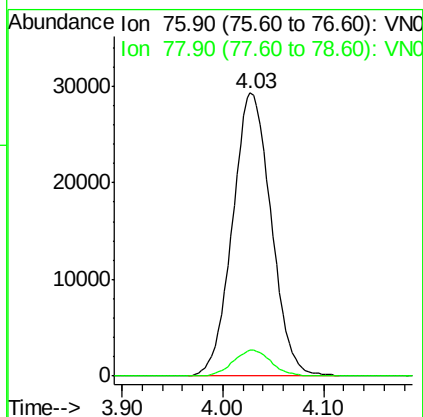
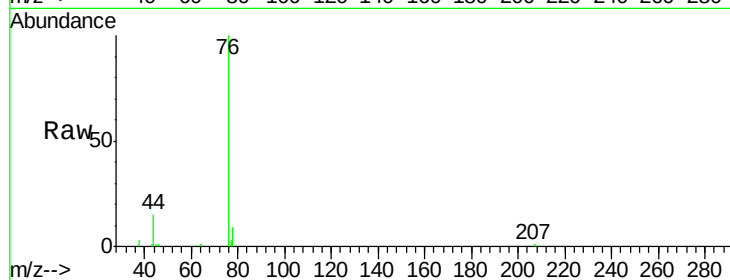
78 9.2 7.4 11.0

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#18

Methyl Acetate

Concen: 19.018 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060491.D

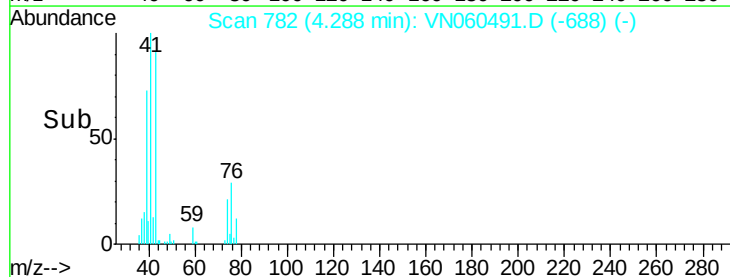
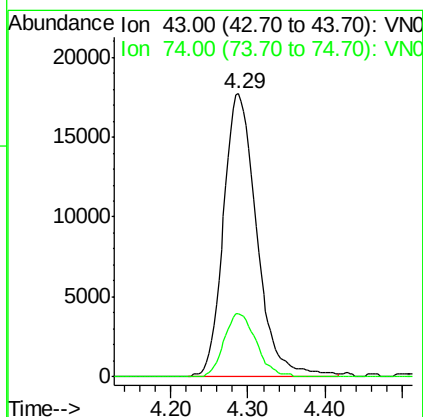
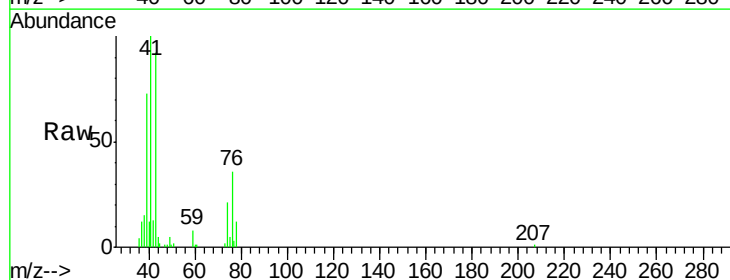
Acq: 13 Mar 2020 10:43

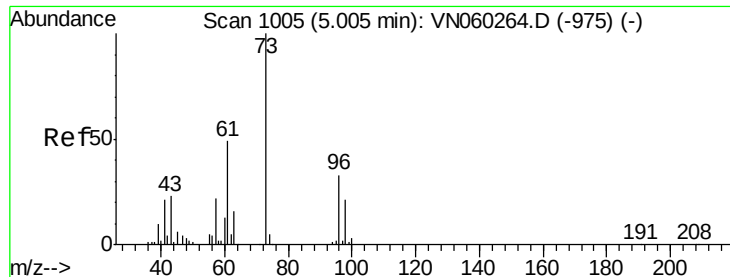
Tgt Ion: 43 Resp: 52986

Ion Ratio Lower Upper

43 100

74 21.5 18.8 28.2





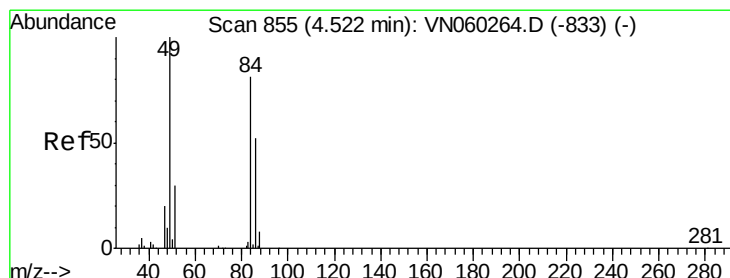
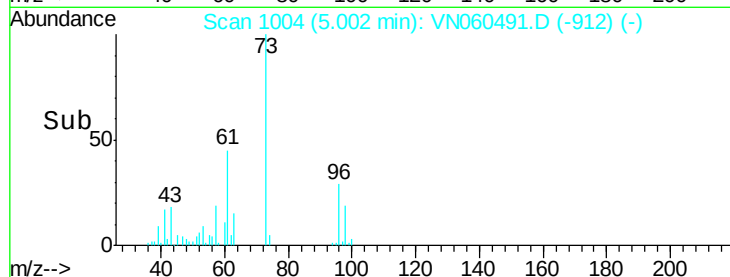
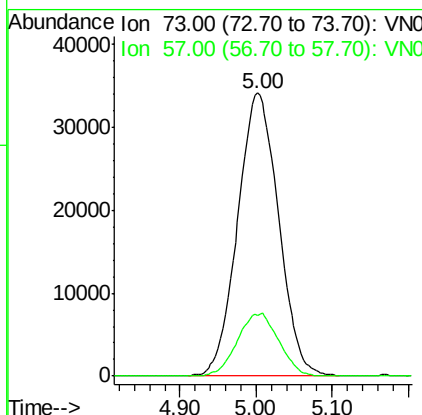
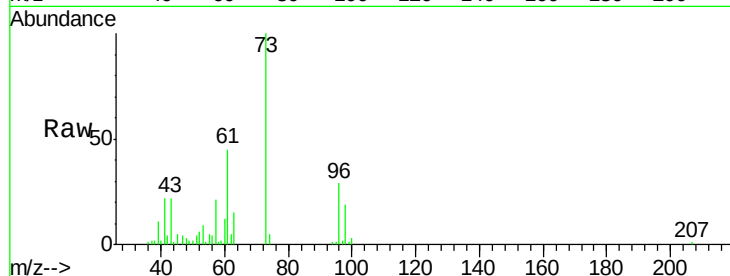
#19
Methvl tert-butvl Ether
Concen: 18.139 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion: 73 Resp: 127487
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9

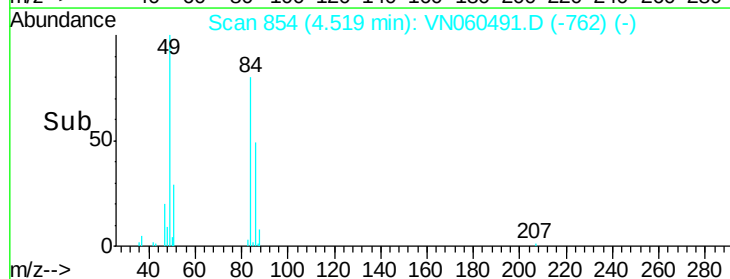
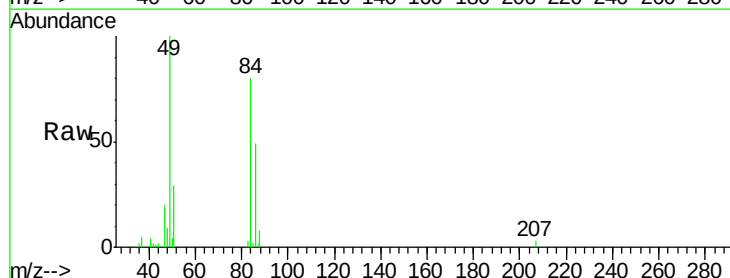
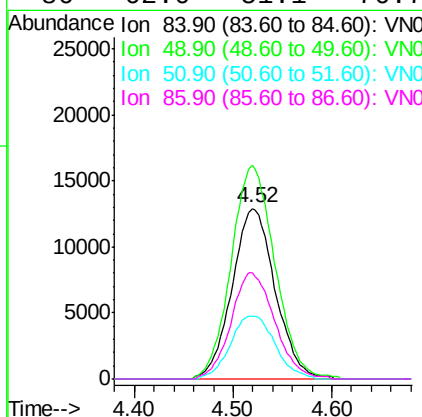
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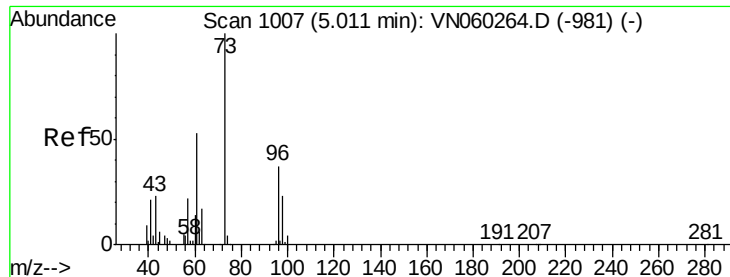
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#20
Methylene Chloride
Concen: 17.062 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 84 Resp: 39119
Ion Ratio Lower Upper
84 100
49 125.2 99.3 148.9
51 36.5 30.1 45.1
86 62.0 51.1 76.7





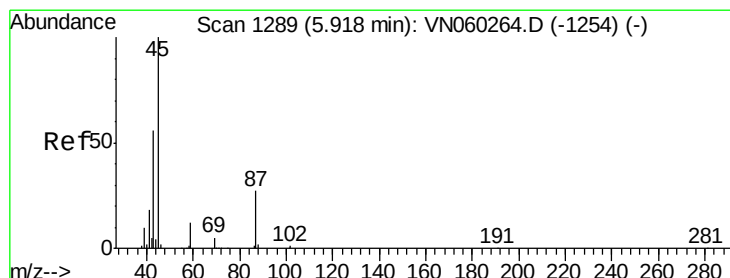
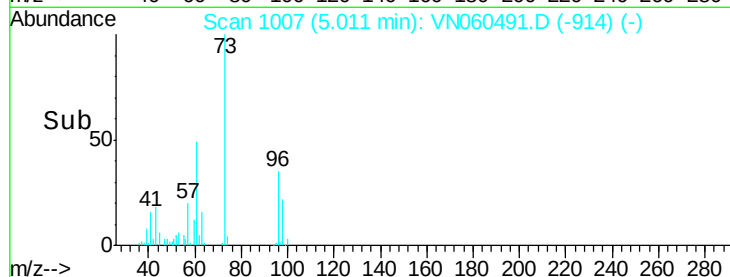
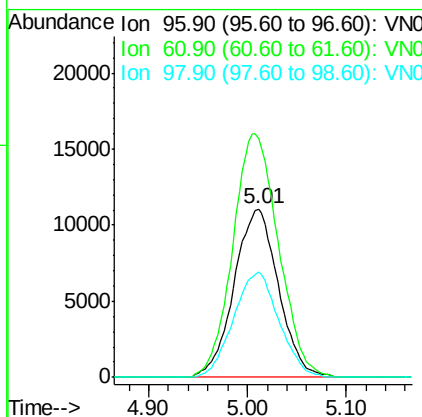
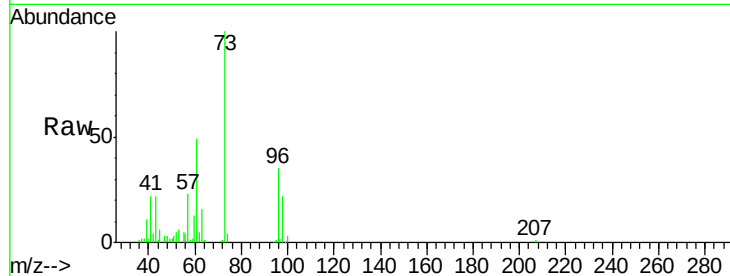
#21
trans-1,2-Dichloroethene
Concen: 16.314 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.4	113.8	170.8
98	62.4	48.8	73.2

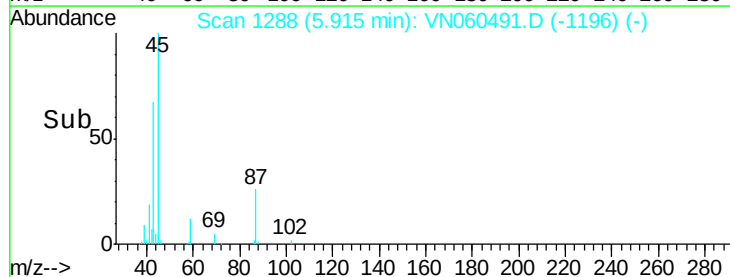
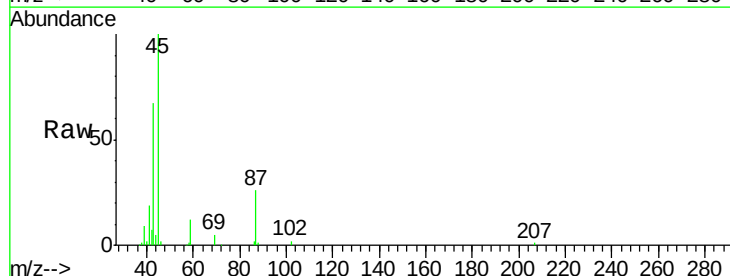
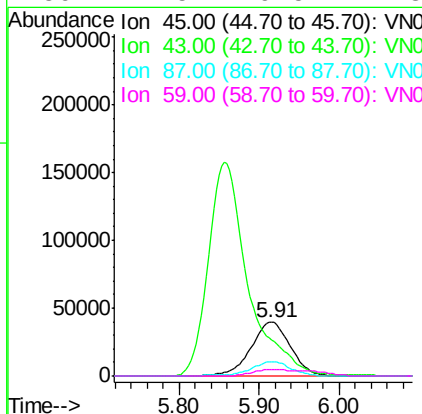
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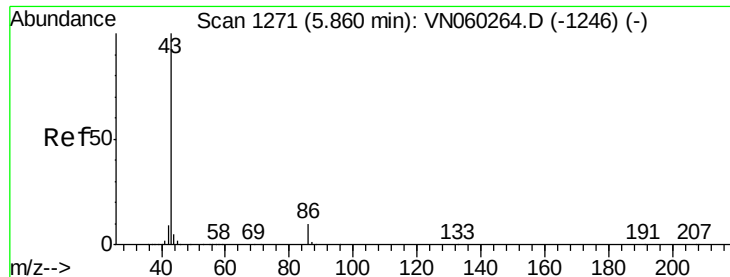
MMDadoda
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#22
Diisopropyl ether
Concen: 18.620 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.6	48.6	72.8
87	26.4	22.2	33.2
59	12.5	9.5	14.3





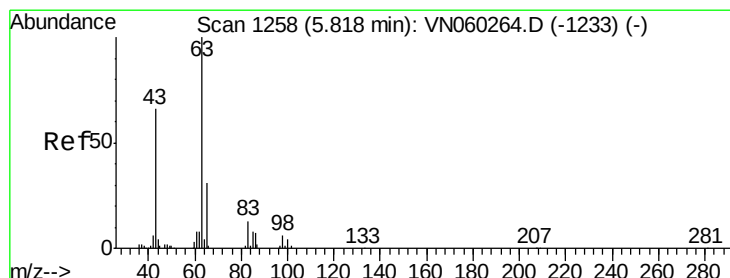
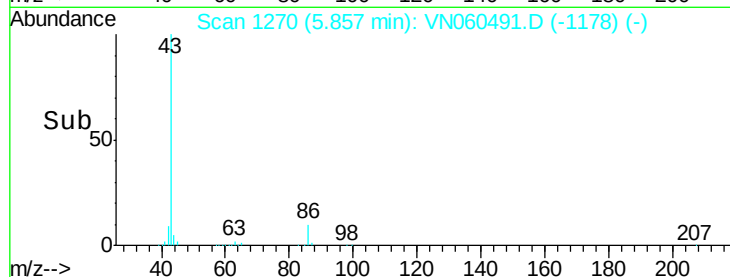
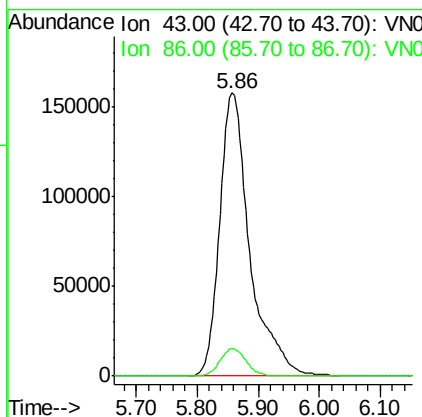
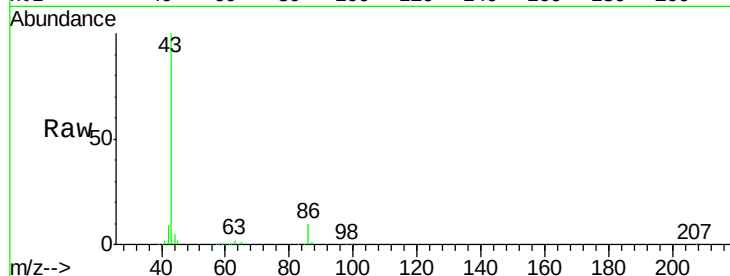
#23
 Vinyl Acetate
 Concen: 94.493 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	542864		
86	9.7		8.0	12.0

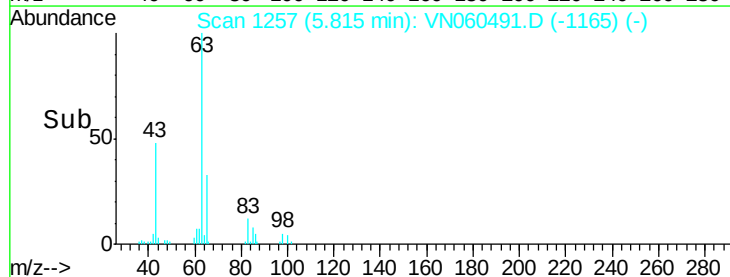
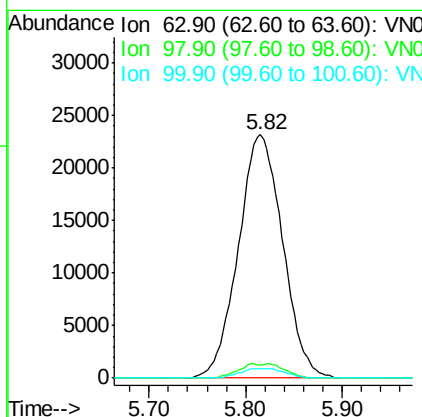
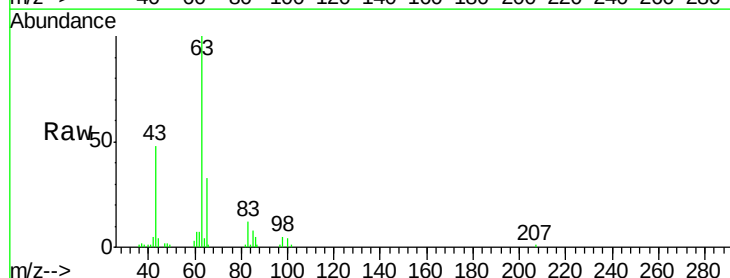
Manual Integrations
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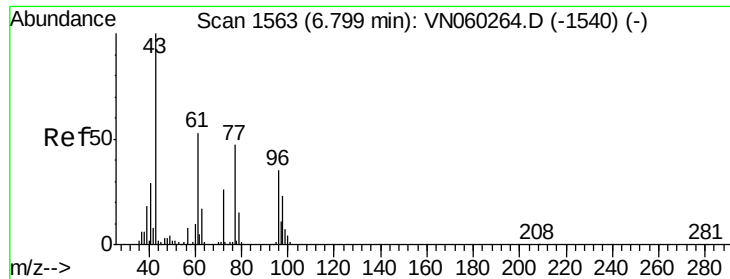
MMDadoda
 3/16/2020 2:04:46 PM



#24
 1,1-Dichloroethane
 Concen: 17.989 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	73621		
98	5.3		3.0	9.0
100	4.0		2.0	6.0





#25

2-Butanone

Concen: 101.550 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tot Ion: 43 Resp: 136938

Ion Ratio Lower Upper

43 100

72 25.0 20.9 31.3

Instrument :

MSVOA_N

ClientSampled :

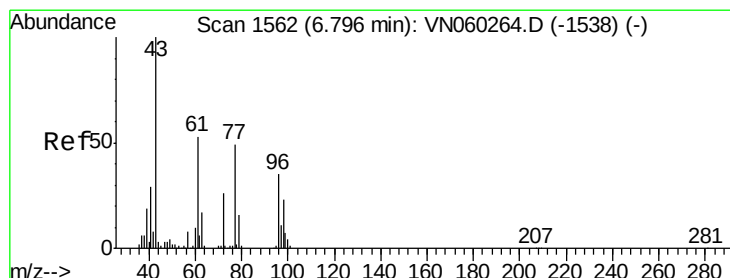
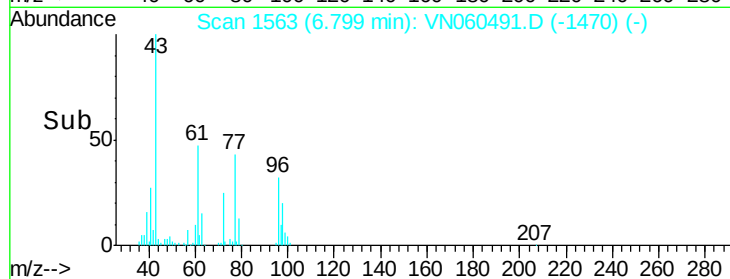
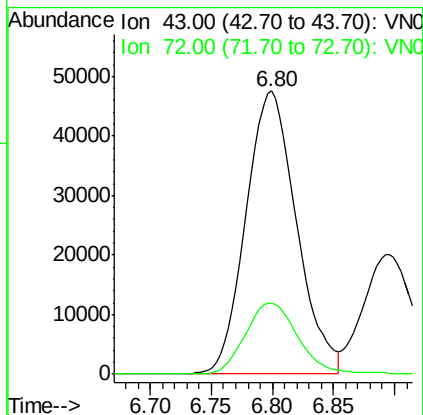
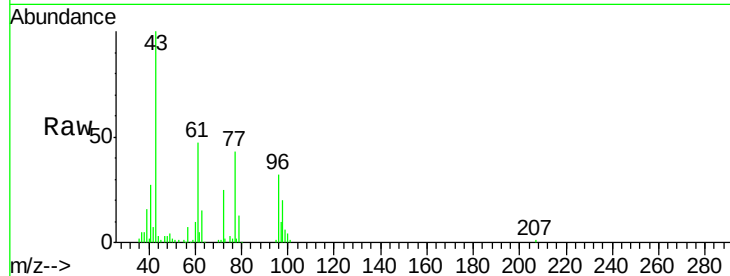
VN0313WBS01

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.013 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060491.D

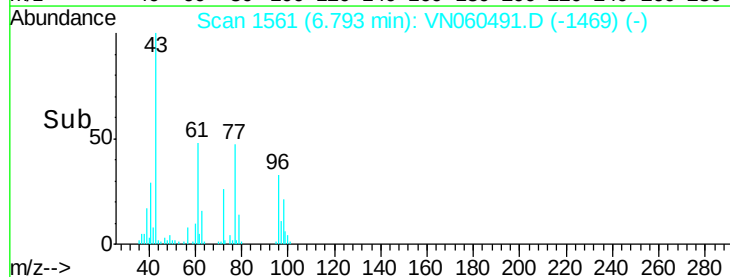
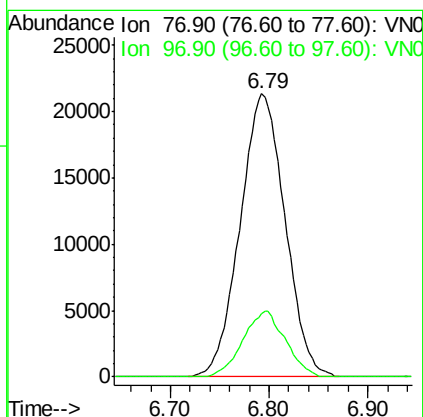
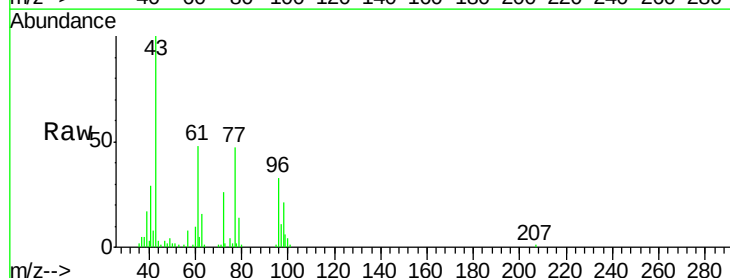
Acq: 13 Mar 2020 10:43

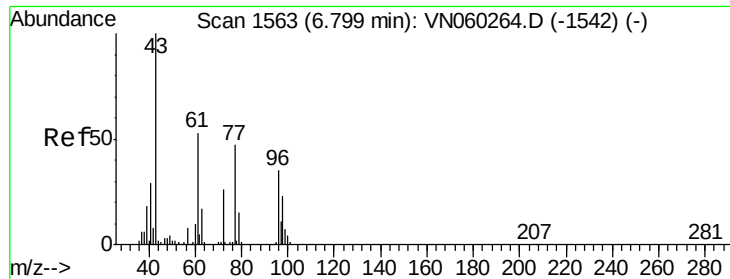
Tgt Ion: 77 Resp: 67113

Ion Ratio Lower Upper

77 100

97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.608 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

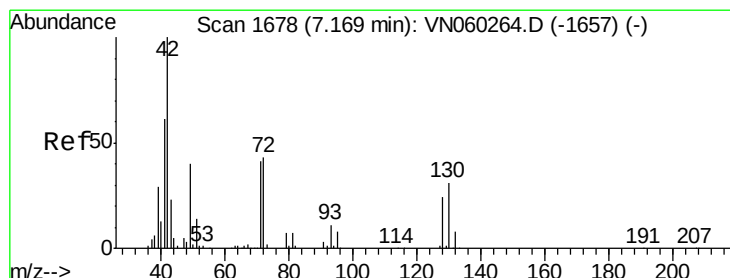
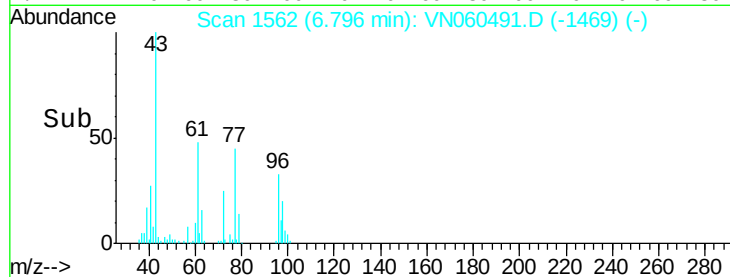
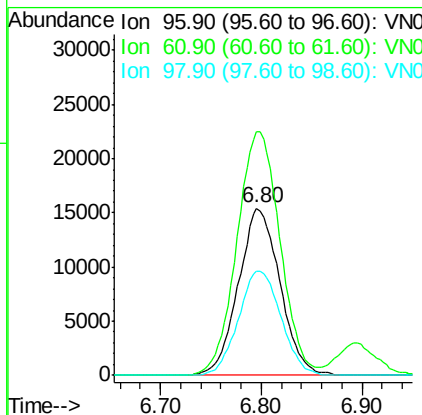
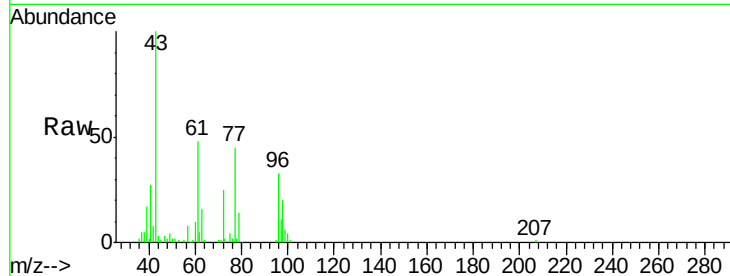
ClientSampleId :

VN0313WBS01

Tot Ion:	96	Resp:	44153
Ion	Ratio	Lower	Upper
96	100		
61	151.1	0.0	300.8
98	63.7	0.0	128.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.120 ug/l

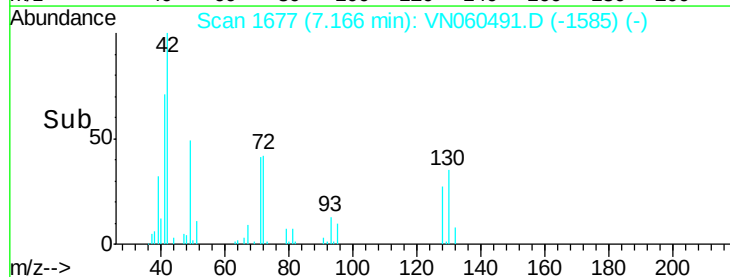
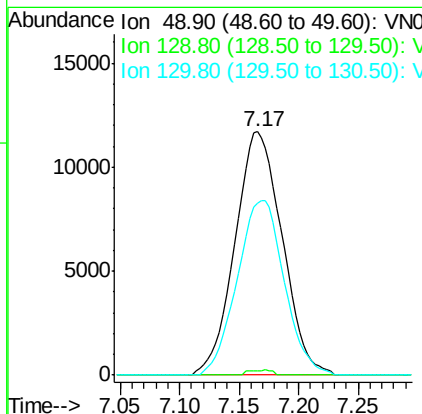
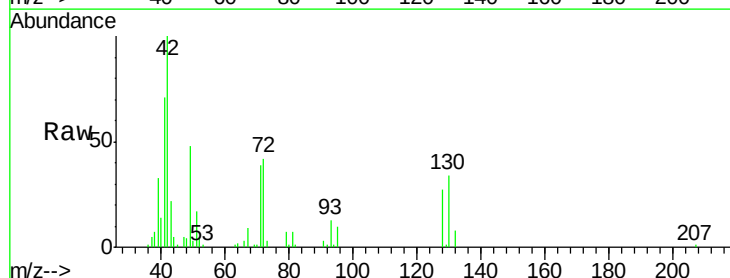
RT: 7.17 min Scan# 1677

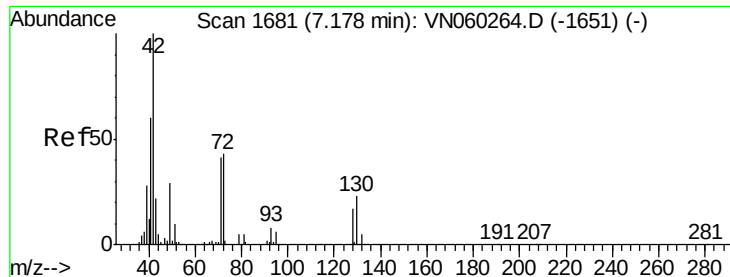
Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	49	Resp:	32127
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.6	59.8	89.8





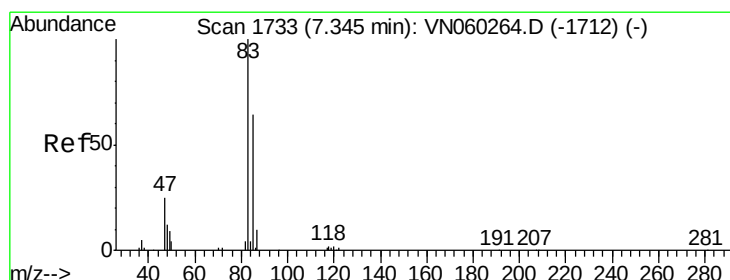
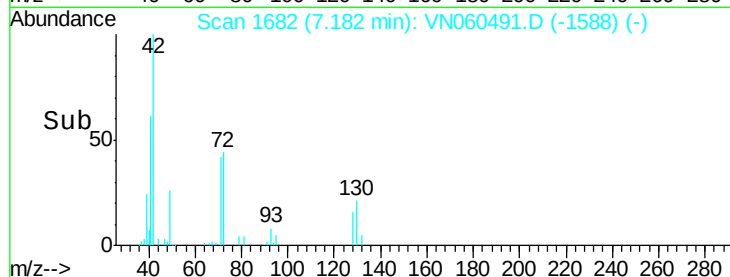
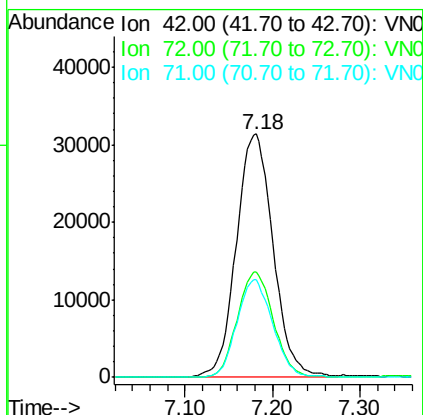
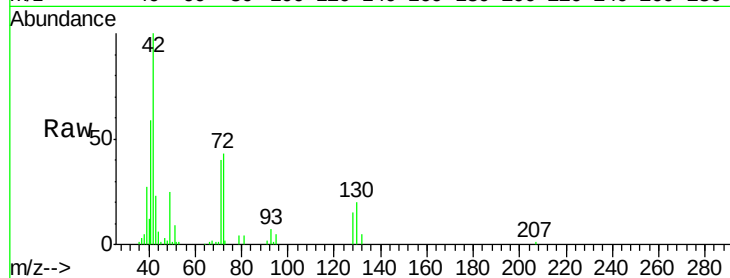
#29
Tetrahydrofuran
Concen: 97.970 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.0	32.9	49.3

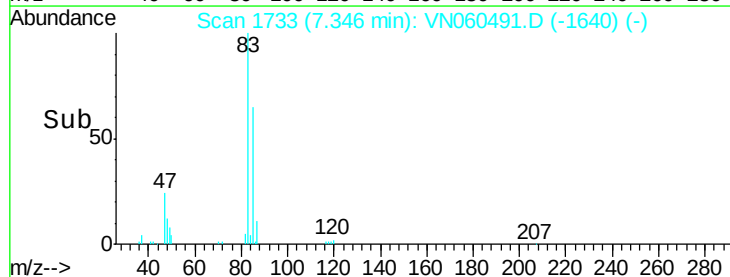
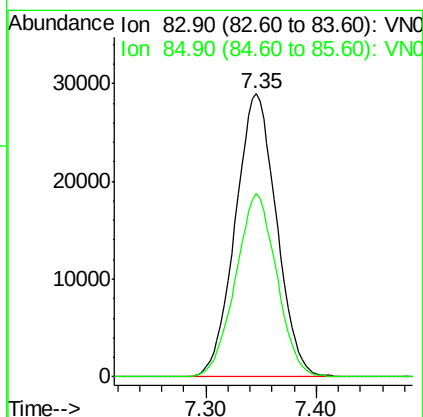
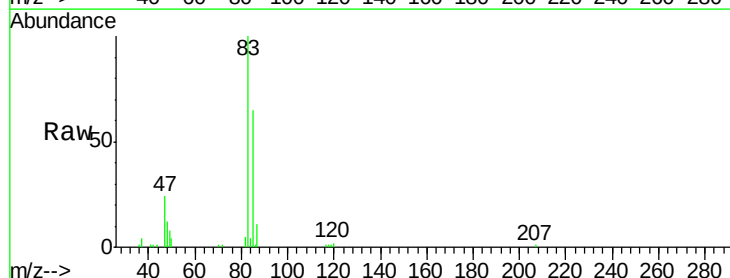
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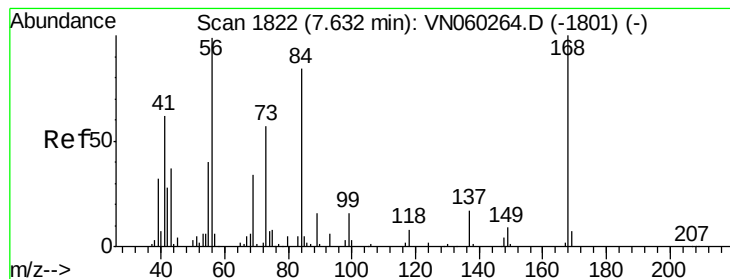
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#30
Chloroform
Concen: 18.408 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2





#31

Cyclohexane

Concen: 17.291 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

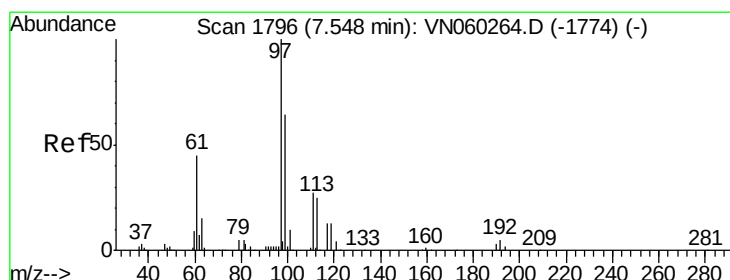
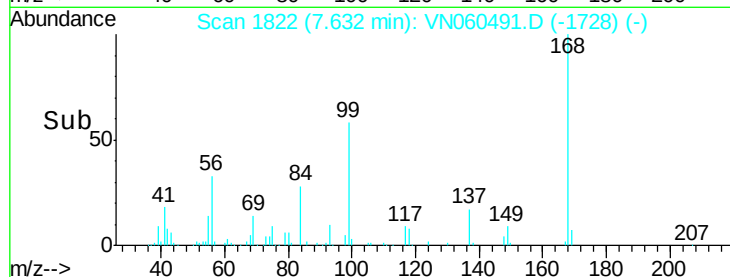
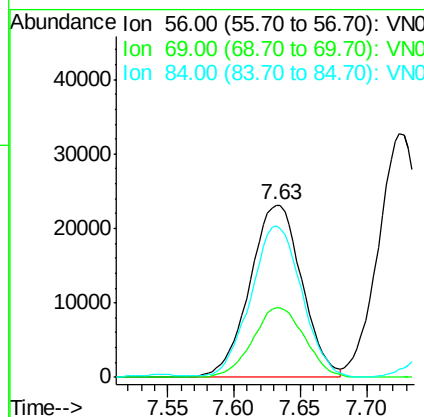
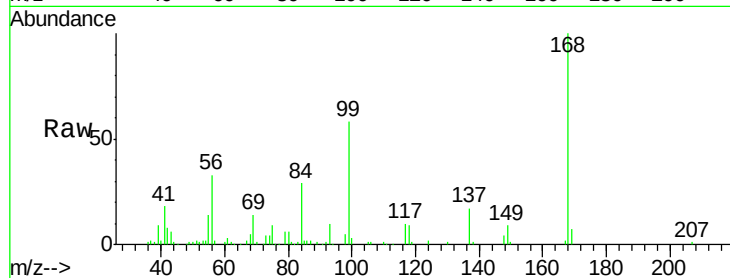
ClientSampled :

VN0313WBS01

Tot Ion:	56	Resp:	63450
Ion Ratio	Lower	Upper	
56	100		
69	40.6	27.2	40.8
84	86.9	66.7	100.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 17.606 ug/l

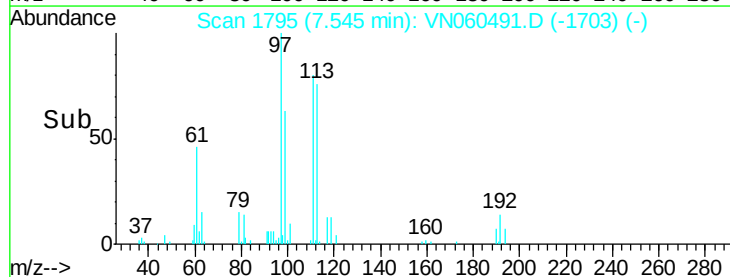
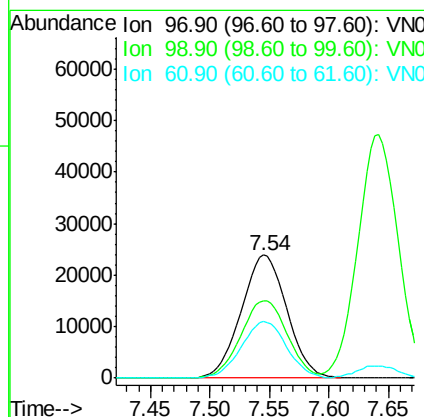
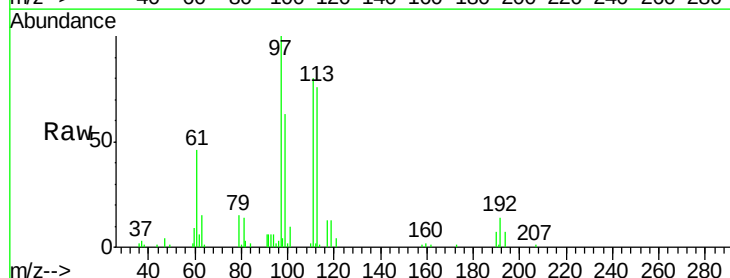
RT: 7.54 min Scan# 1795

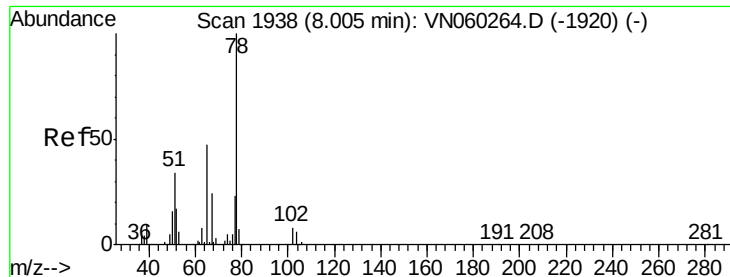
Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	97	Resp:	63550
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.0
61	45.7	36.6	55.0





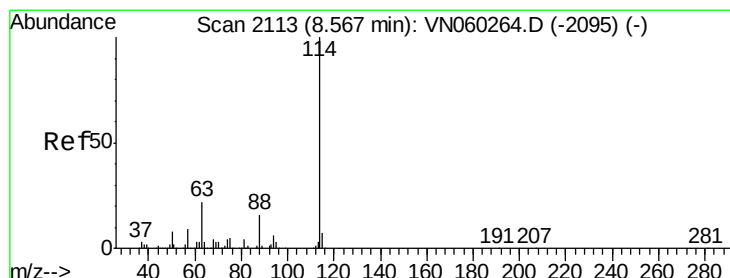
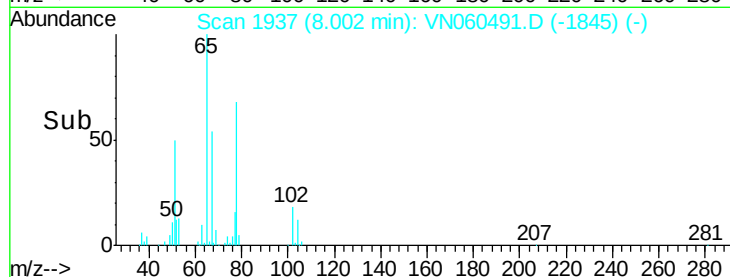
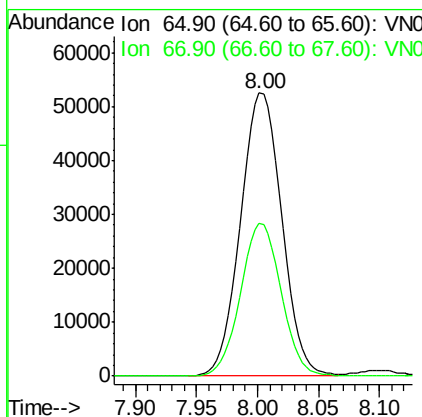
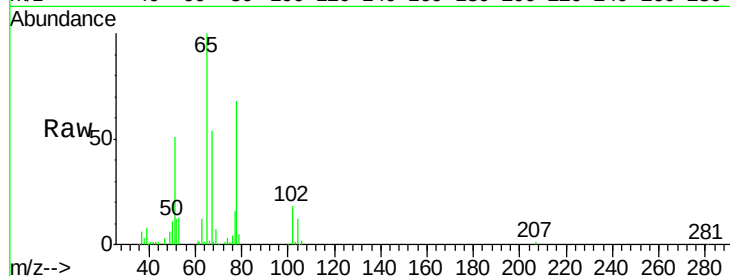
#33
 1,2-Dichloroethane-d4
 Concen: 47.661 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	103.8	

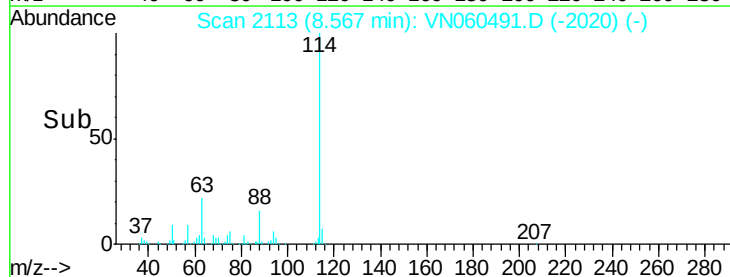
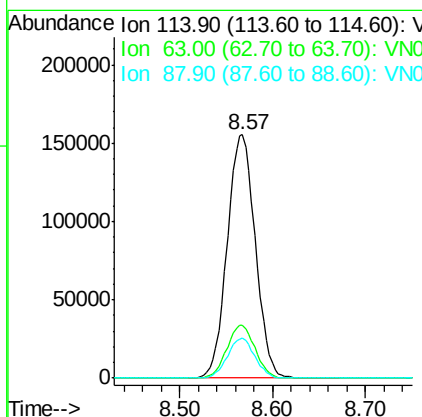
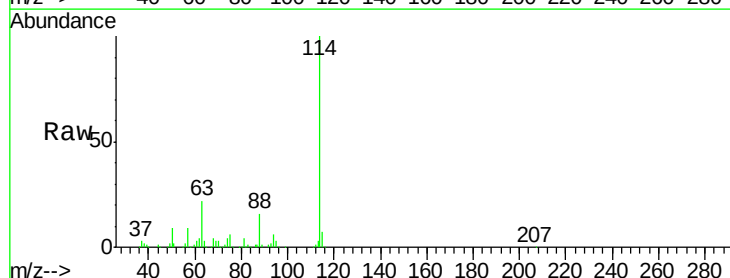
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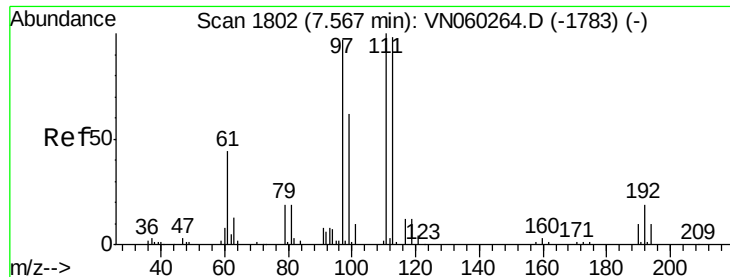
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.2	
88	16.2	0.0	31.6	





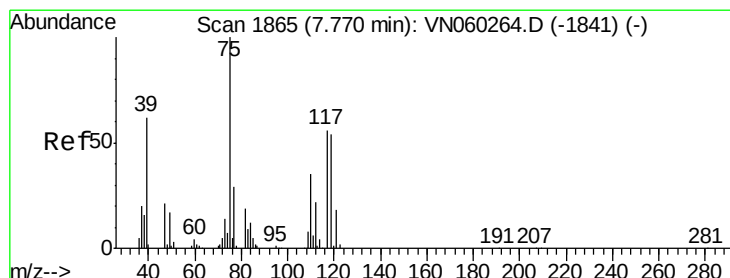
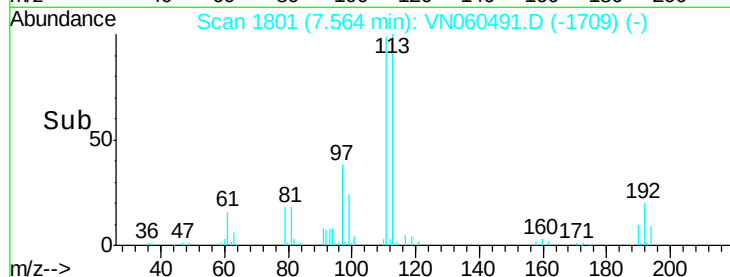
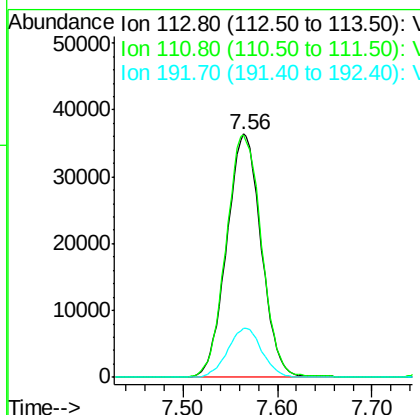
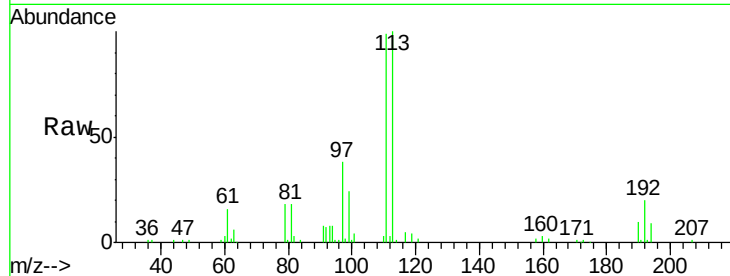
#35
 Dibromofluoromethane
 Concen: 60.815 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	20.1	16.2	24.2

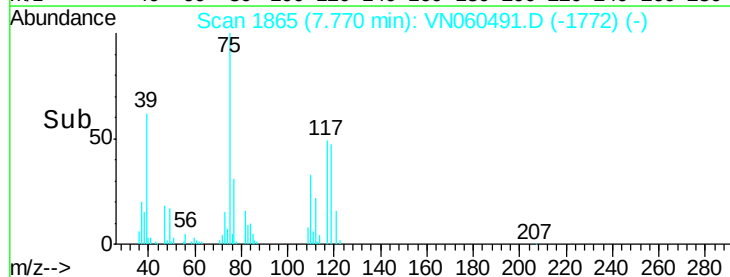
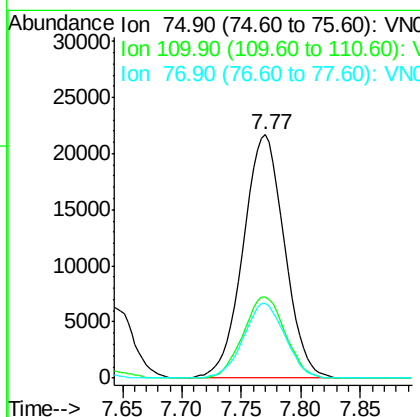
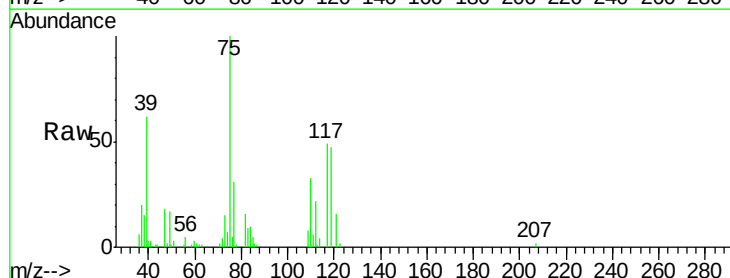
Manual Integrations
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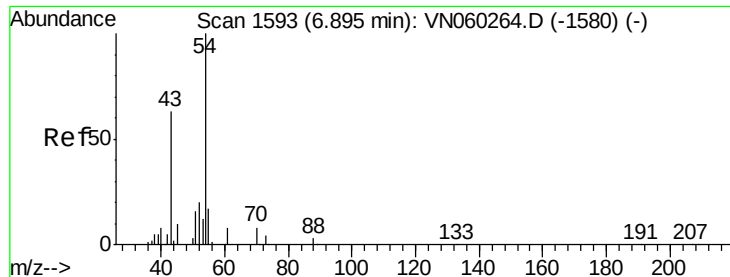
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#36
 1,1-Dichloropropene
 Concen: 16.718 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.7	24.2	36.2





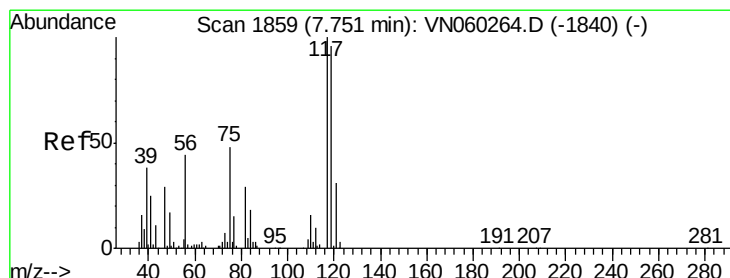
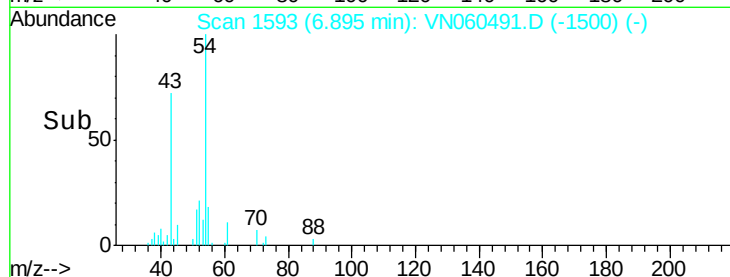
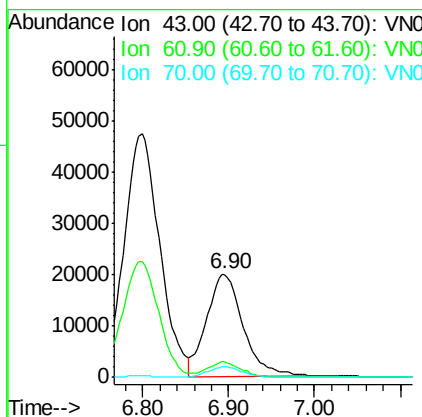
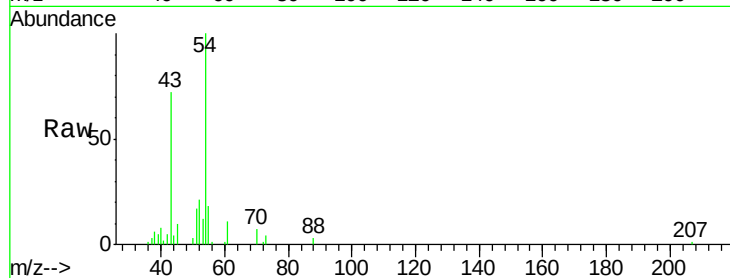
#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	9.3	8.4	12.6

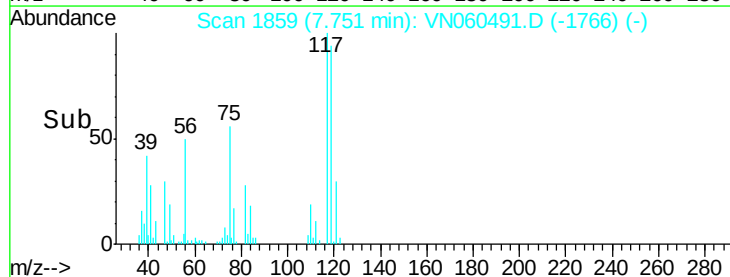
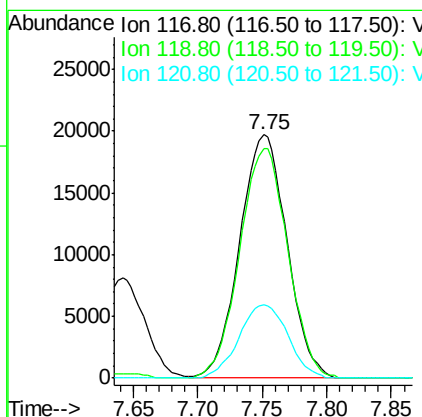
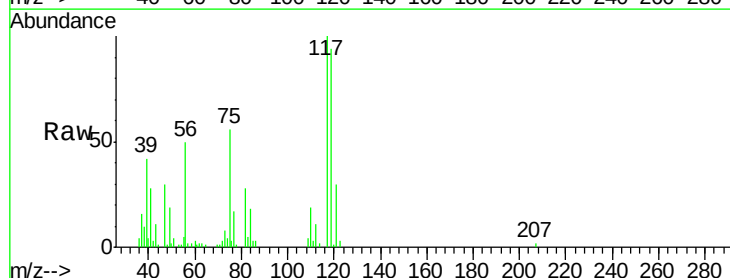
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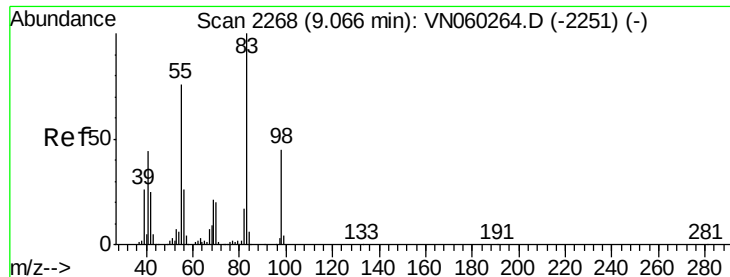
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#38
Carbon Tetrachloride
Concen: 16.606 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.7	115.1
121	30.2	24.5	36.7





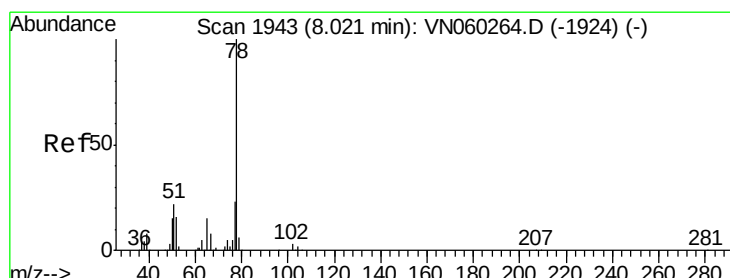
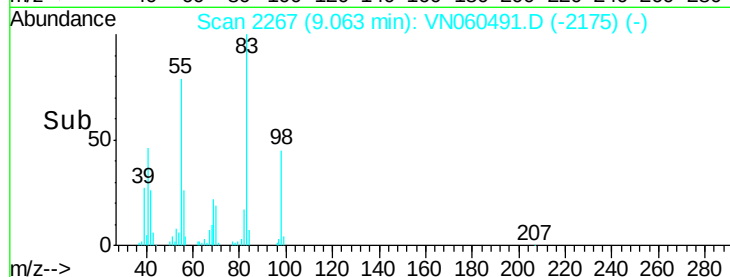
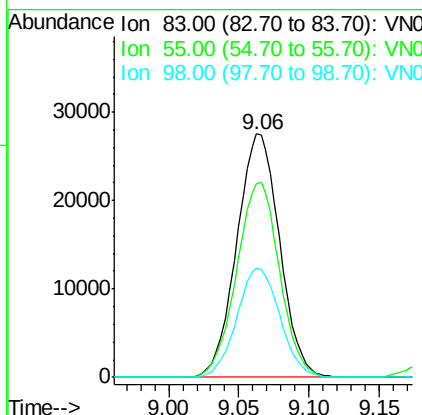
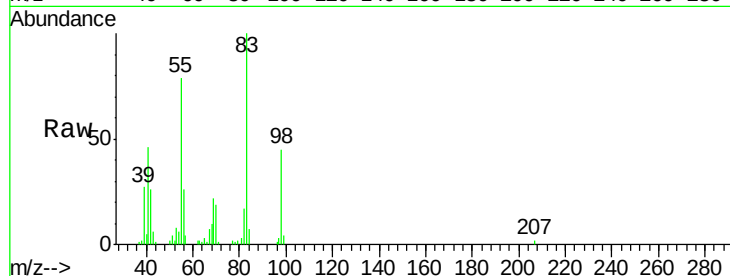
#39
Methylvlcyclohexane
Concen: 15.939 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.0	91.4
98	45.1	36.1	54.1

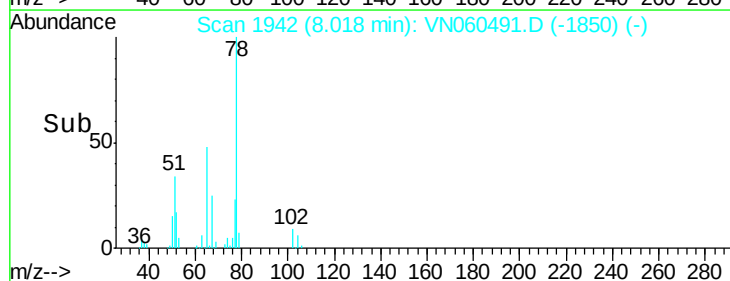
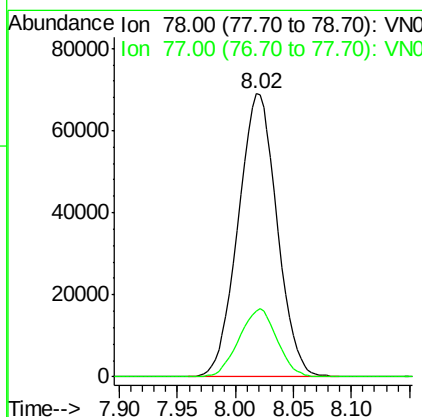
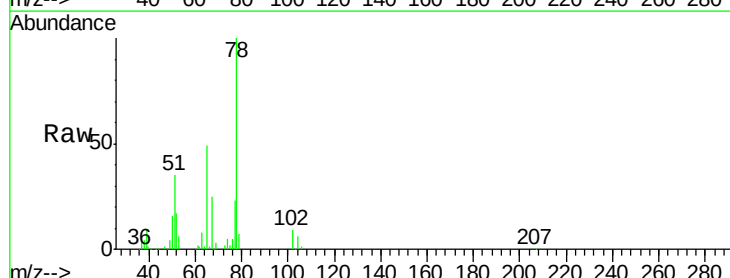
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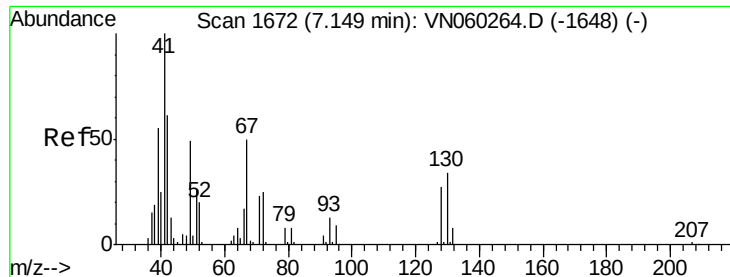
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#40
Benzene
Concen: 17.755 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





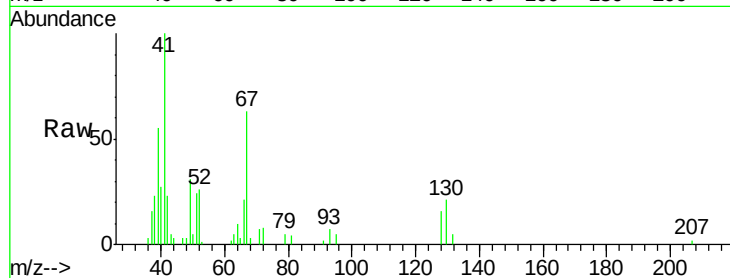
#41
Methacrylonitrile
Concen: 16.520 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

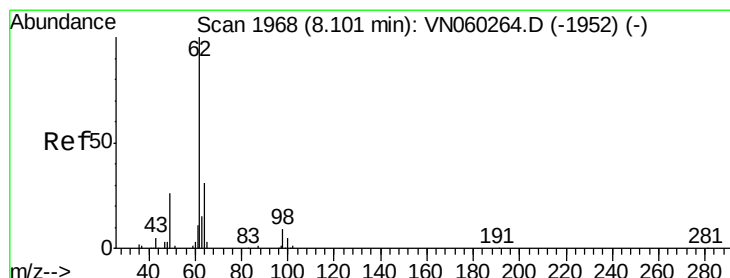
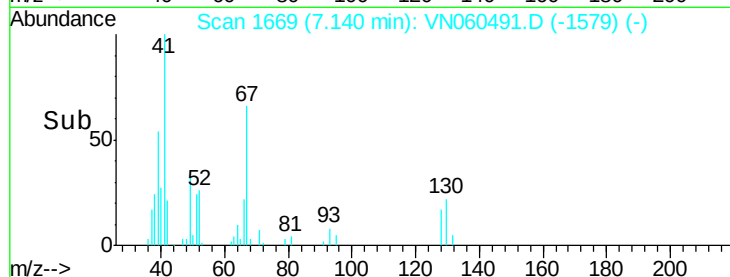
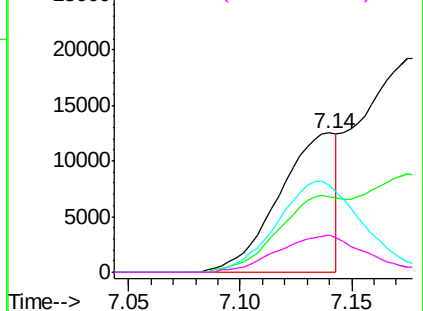
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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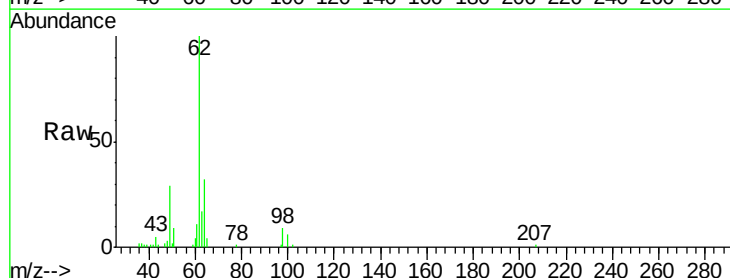


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

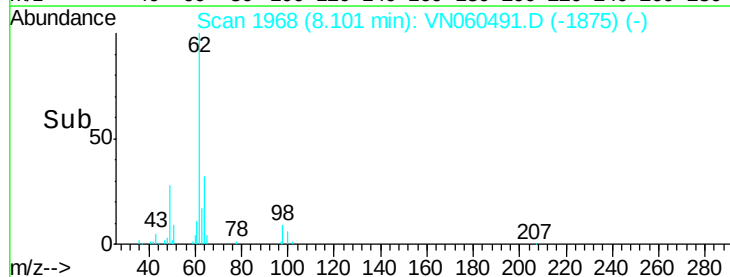
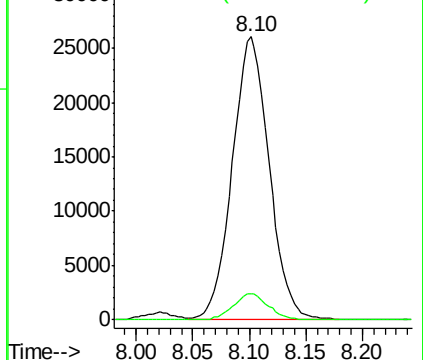


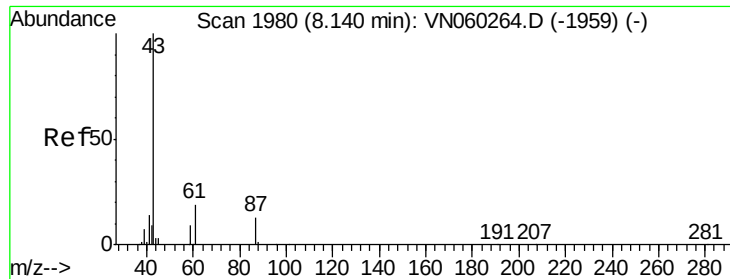
#42
1,2-Dichloroethane
Concen: 18.096 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.489 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

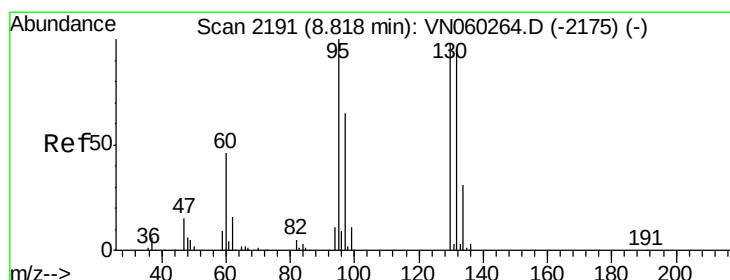
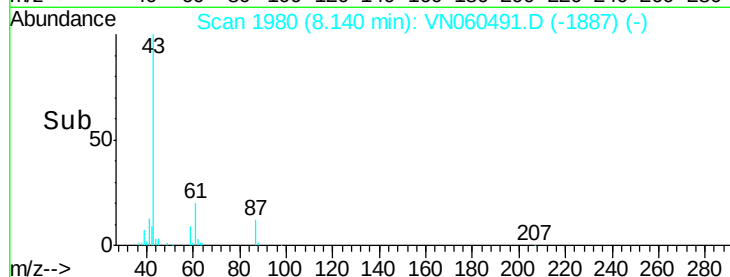
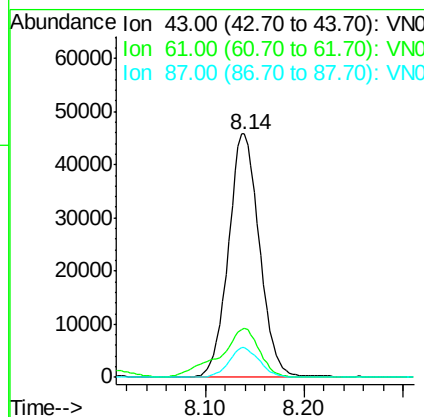
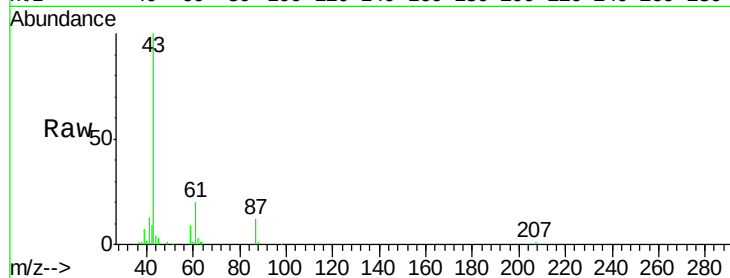
ClientSampleId :

VN0313WBS01

Tot Ion:	43	Resp:	100656
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.9	31.3
87	11.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 16.688 ug/l

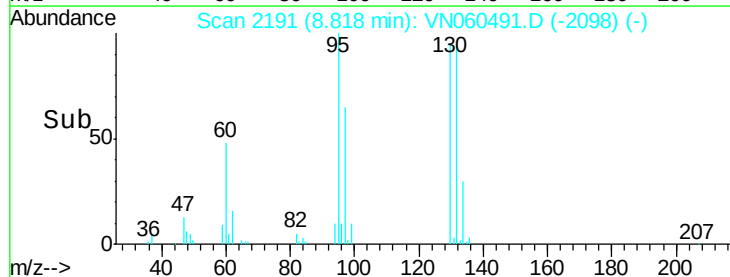
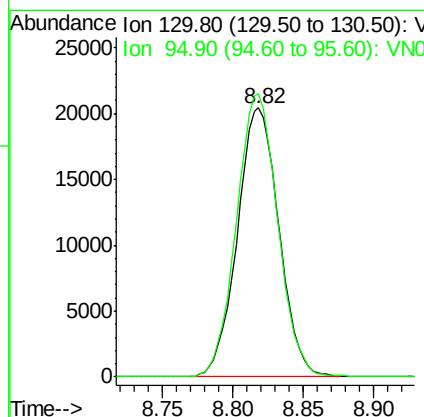
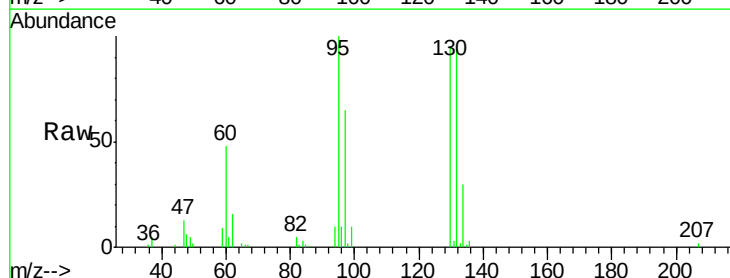
RT: 8.82 min Scan# 2191

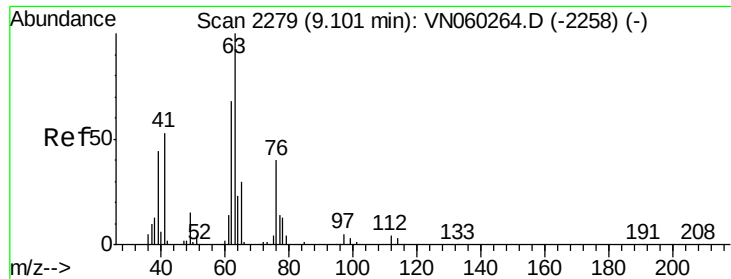
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	130	Resp:	42148
Ion	Ratio	Lower	Upper
130	100		
95	105.3	0.0	203.4





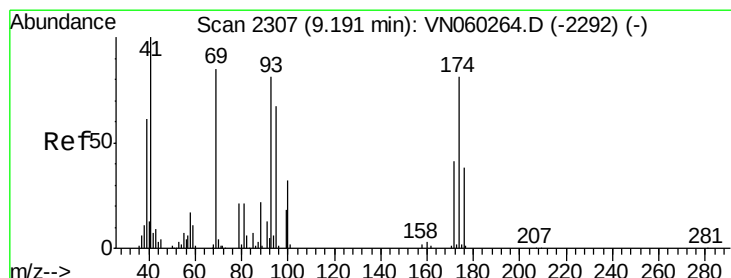
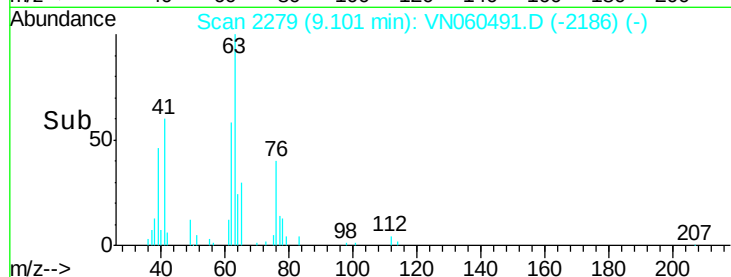
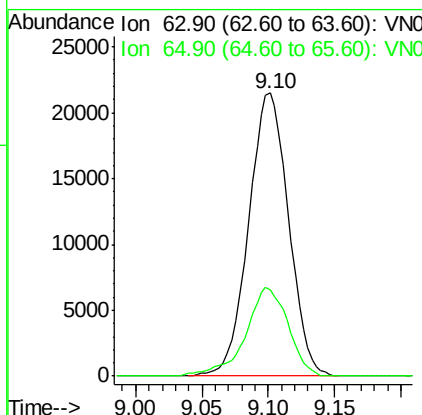
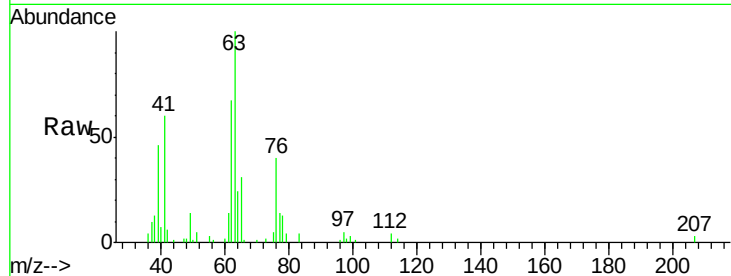
#45
 1,2-Dichloropropane
 Concen: 18.975 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	63	Resp	44989
Ion Ratio	Lower	Upper	
63	100		
65	30.6	24.4	36.6

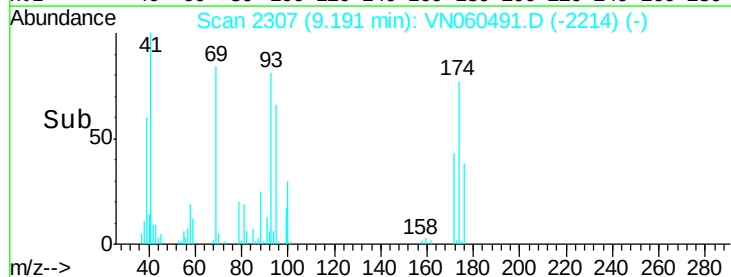
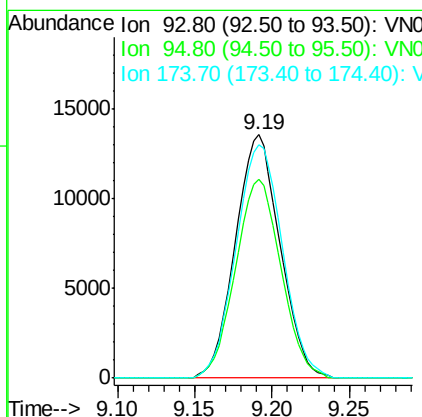
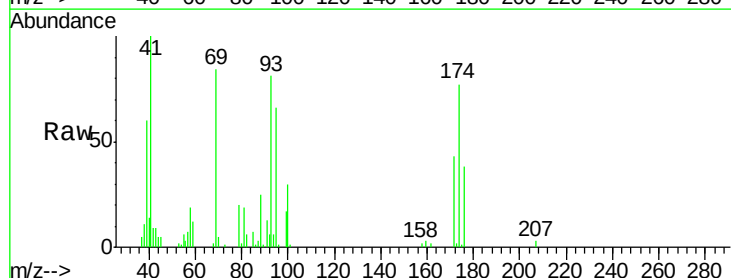
Manual Integrations
 APPROVED

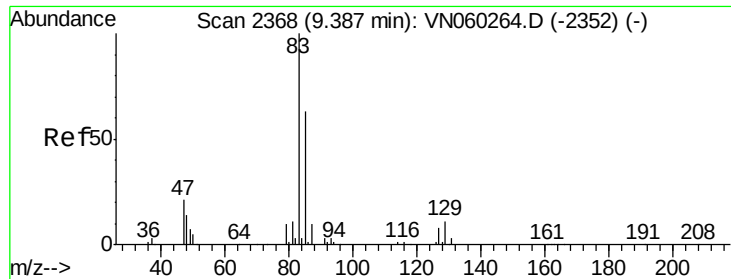
MMDadoda
 3/16/2020 2:04:46 PM



#46
 Dibromomethane
 Concen: 17.730 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	93	Resp	27276
Ion Ratio	Lower	Upper	
93	100		
95	83.0	65.9	98.9
174	99.8	79.6	119.4





#47

Bromodichloromethane

Concen: 18.839 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

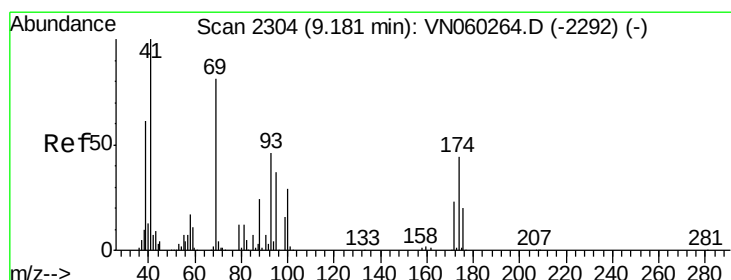
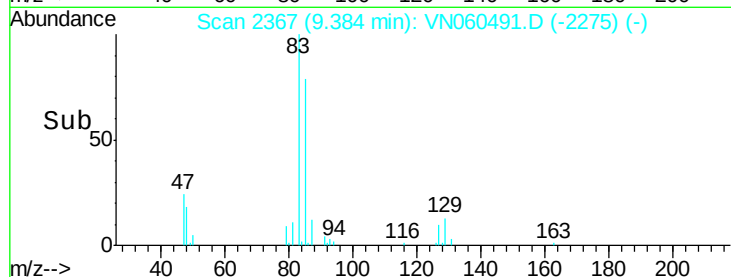
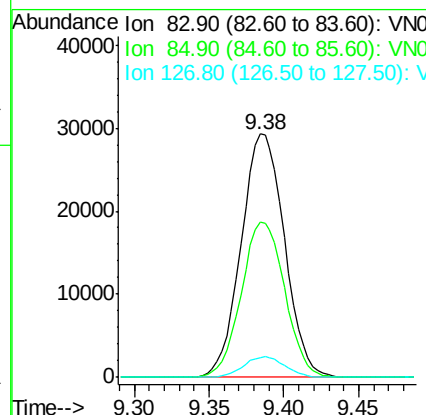
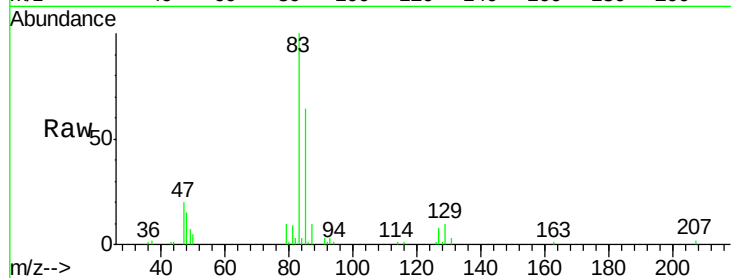
ClientSampleId :

VN0313WBS01

Tot Ion:	83	Resp:	58945
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1
127	8.2	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.089 ug/l

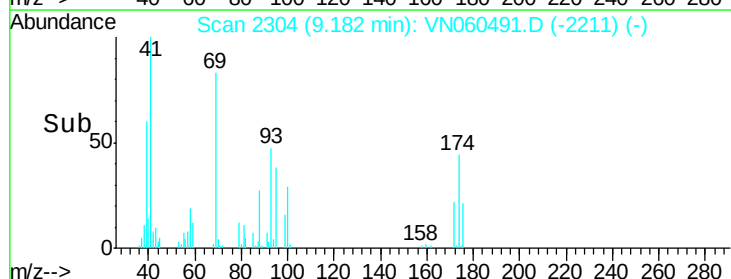
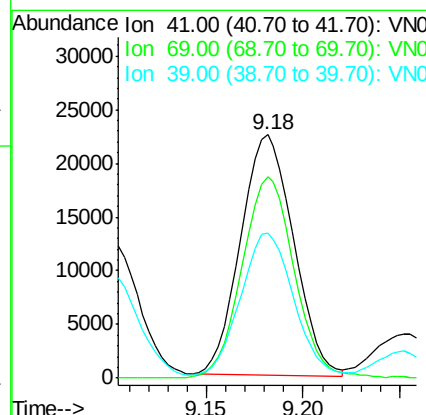
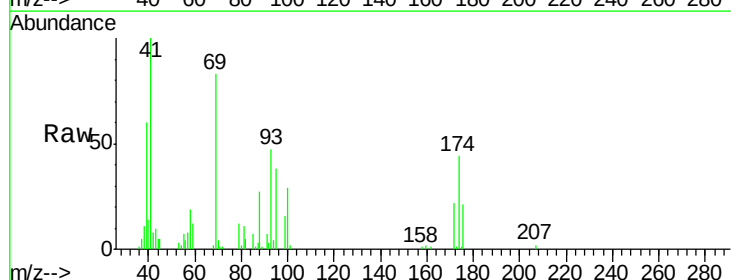
RT: 9.18 min Scan# 2304

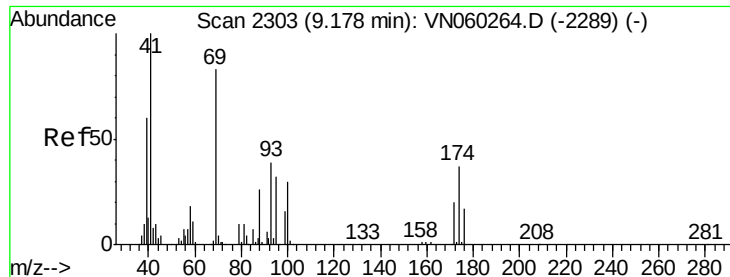
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	41	Resp:	42604
Ion	Ratio	Lower	Upper
41	100		
69	82.7	66.7	100.1
39	61.7	50.1	75.1





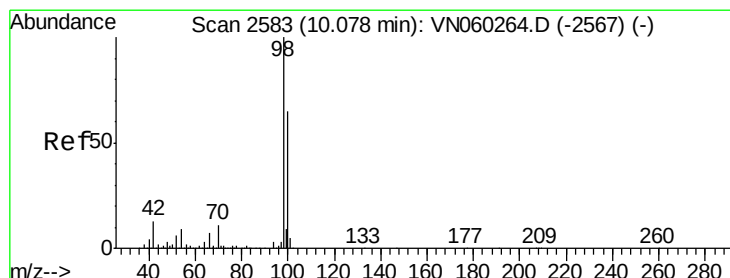
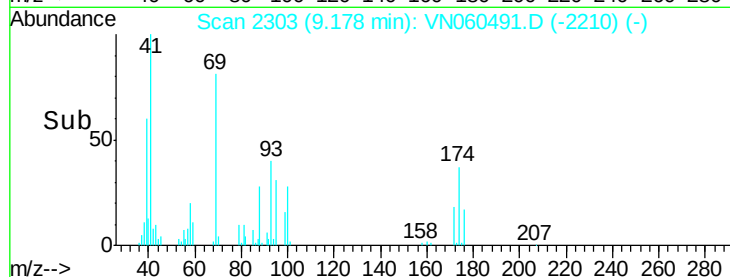
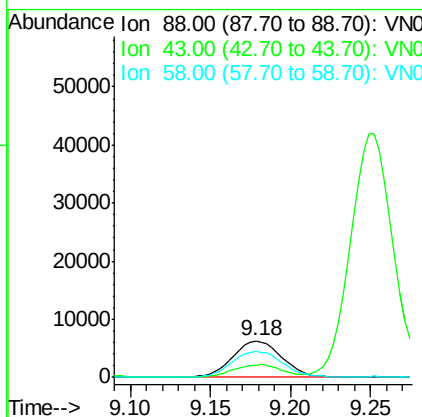
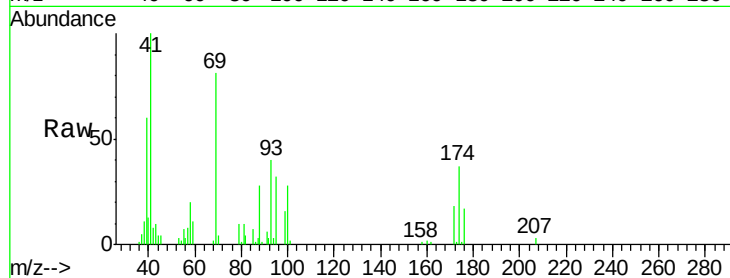
#49
1,4-Dioxane
Concen: 394.409 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	30.4	45.6
58	73.6	57.0	85.6

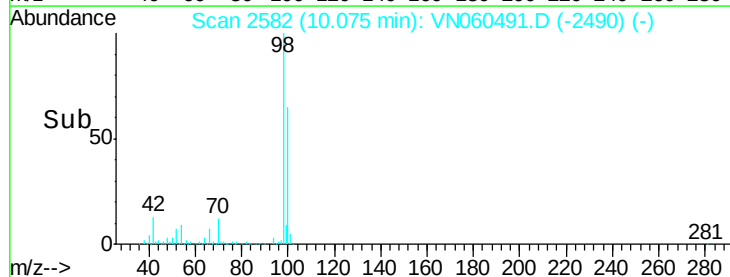
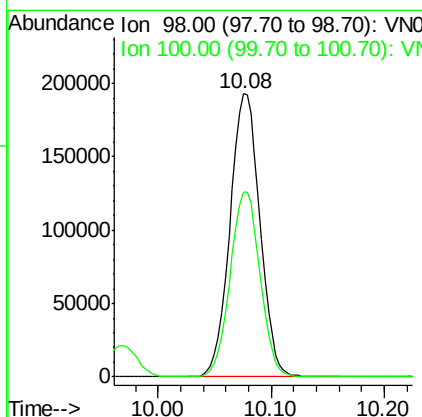
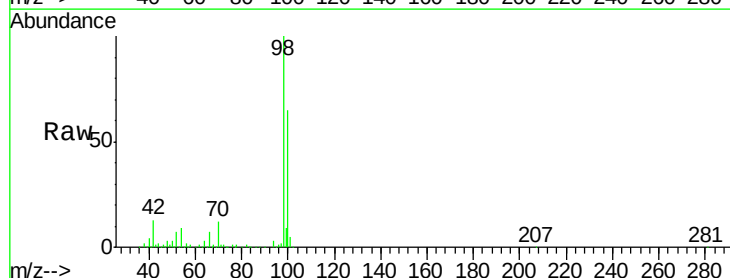
Manual Integrations
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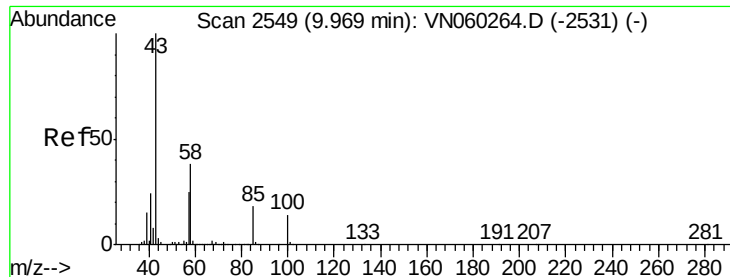
MMDadoda
3/16/2020 2:04:46 PM



#50
Toluene-d8
Concen: 46.297 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.2	78.2





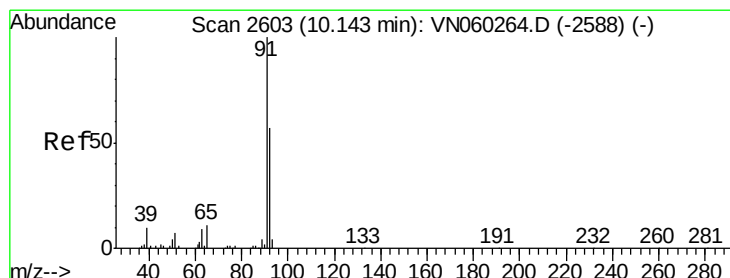
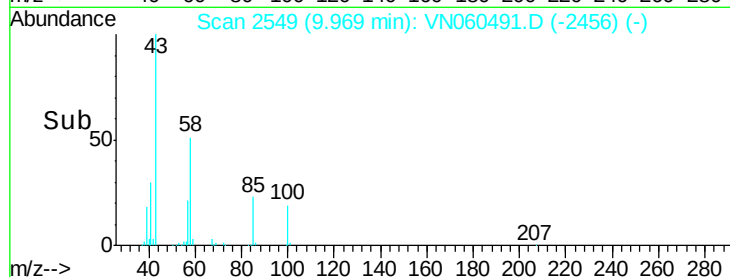
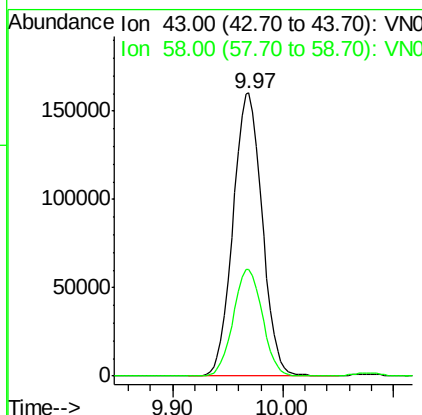
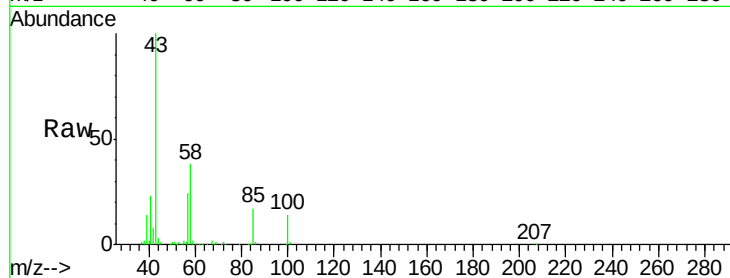
#51
4-Methyl-2-Pentanone
Concen: 100.454 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.9	46.3

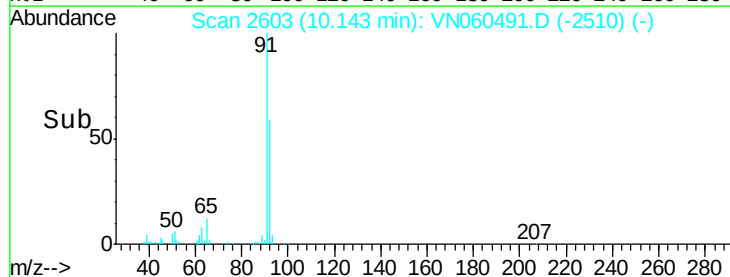
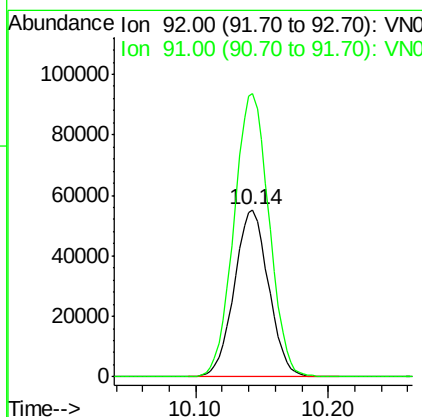
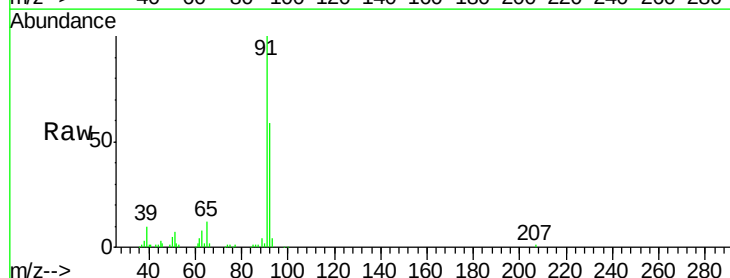
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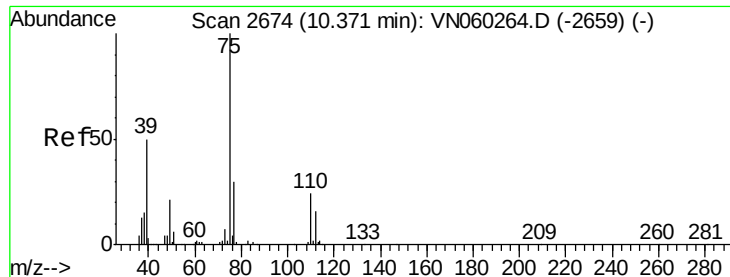
MMDadoda
3/16/2020 2:04:46 PM



#52
Toluene
Concen: 17.429 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.0	138.1	207.1





#53

t-1,3-Dichloropropene

Concen: 16.926 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 75 Resp: 64895

Ion Ratio Lower Upper

75 100

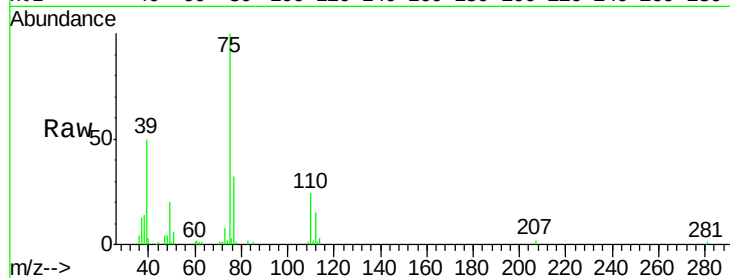
77 31.6 24.8 37.2

Manual Integrations

APPROVED

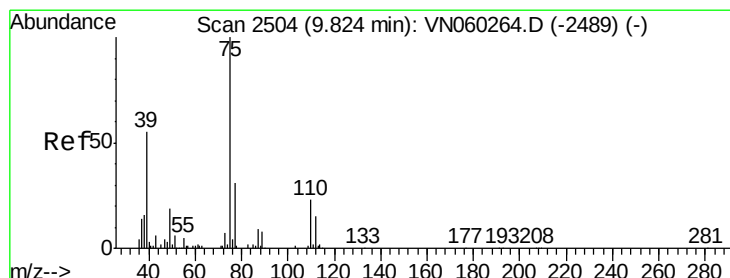
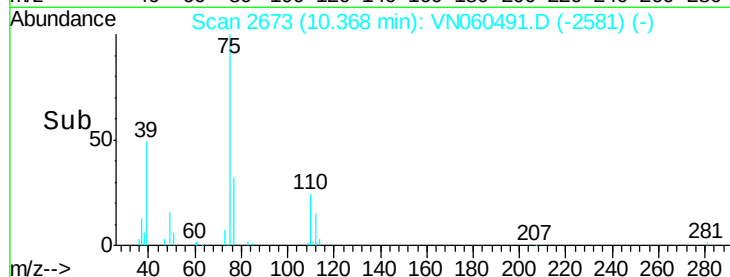
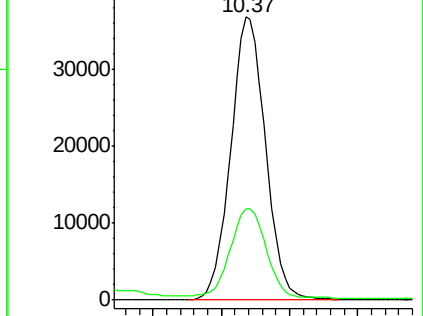
MMDadoda

3/16/2020 2:04:46 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.897 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

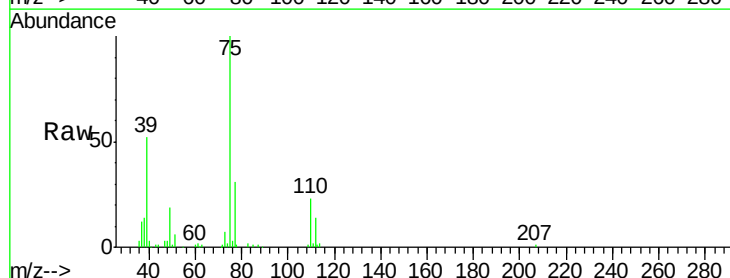
Tgt Ion: 75 Resp: 71100

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

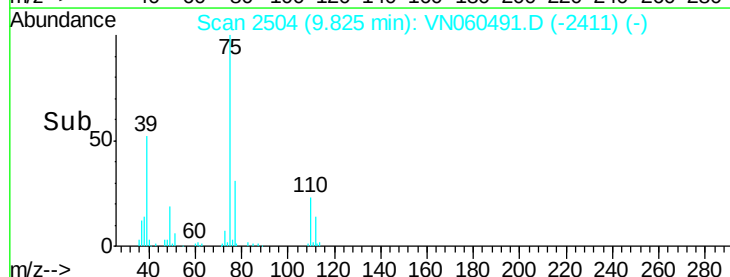
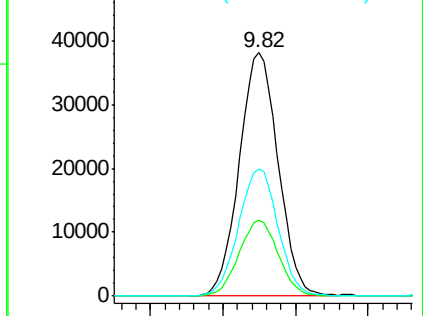
39 52.4 43.8 65.8

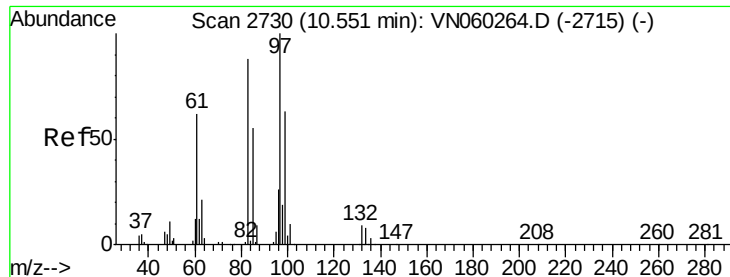


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





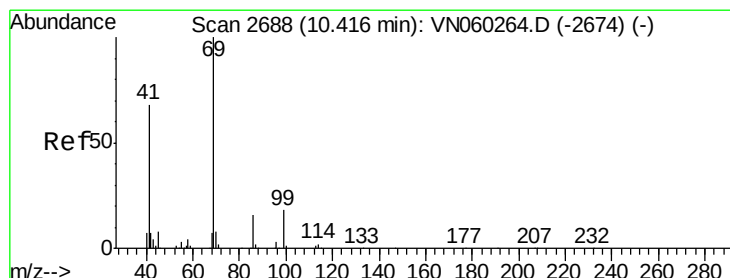
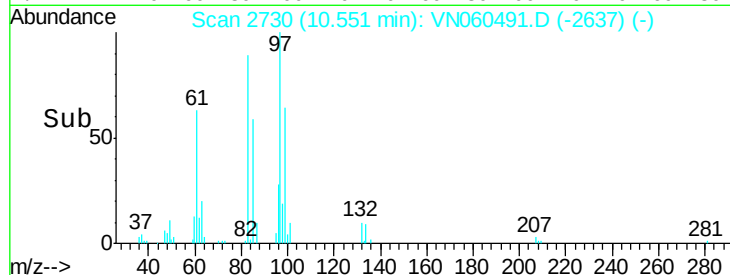
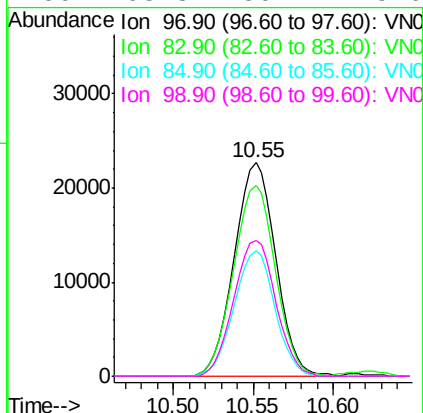
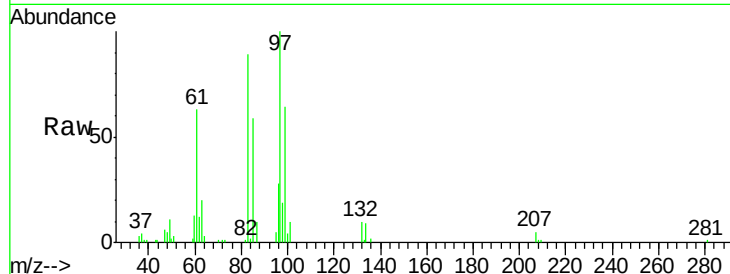
#55
 1,1,2-Trichloroethane
 Concen: 17.572 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion:	97	Resp:	40254
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.0	105.0
85	58.9	44.0	66.0
99	63.8	50.4	75.6

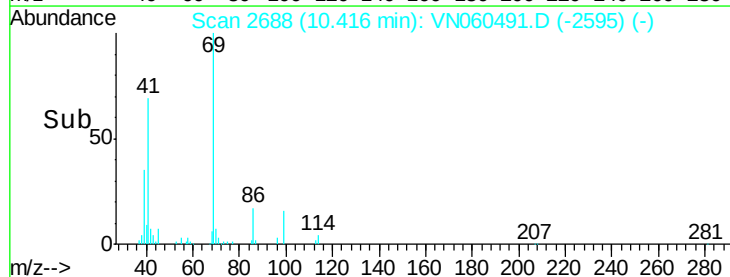
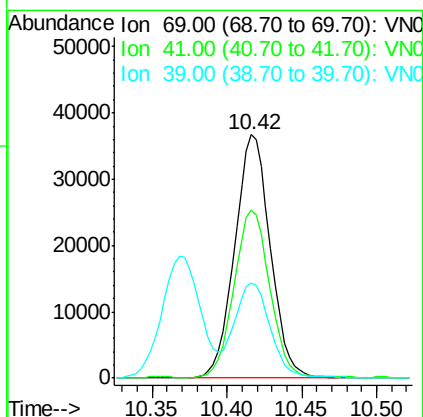
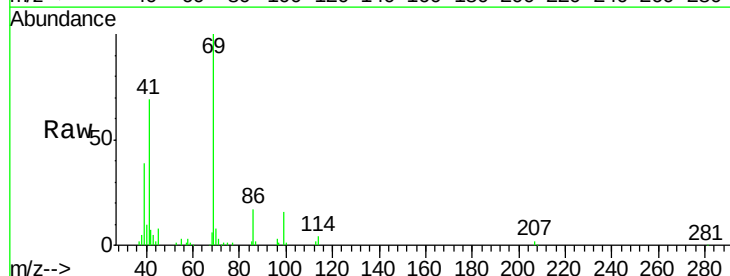
Manual Integrations
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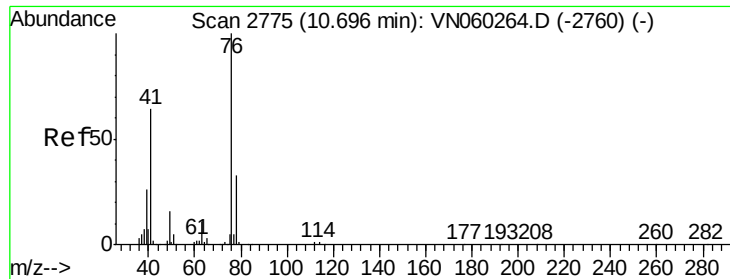
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#56
 Ethyl methacrylate
 Concen: 18.467 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion:	69	Resp:	60776
Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.1	81.1
39	39.9	32.5	48.7





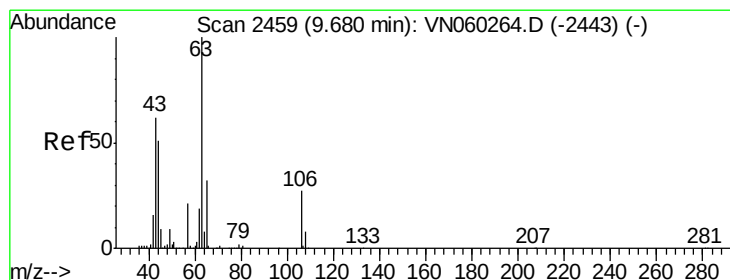
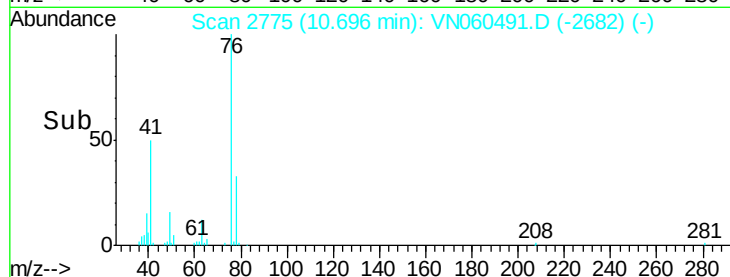
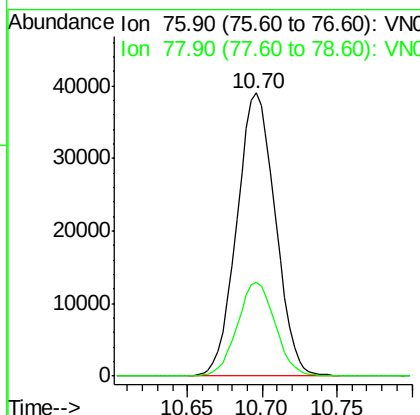
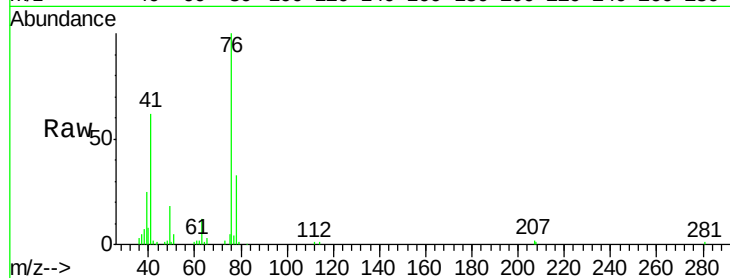
#57
 1,3-Dichloropropane
 Concen: 18.698 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.2	39.2

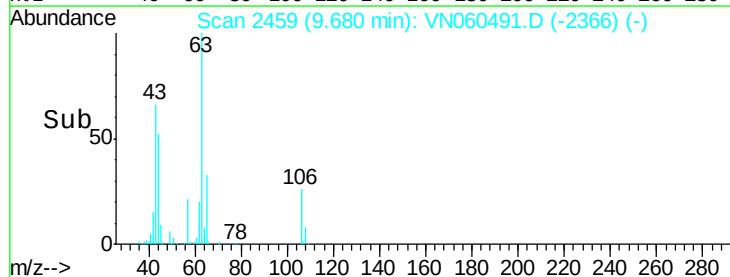
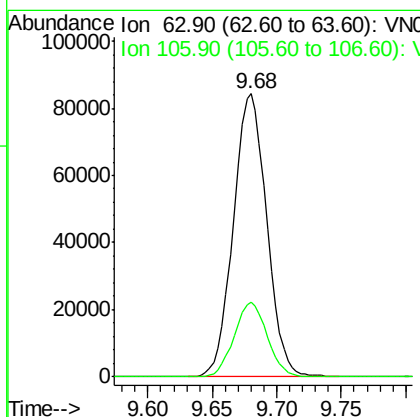
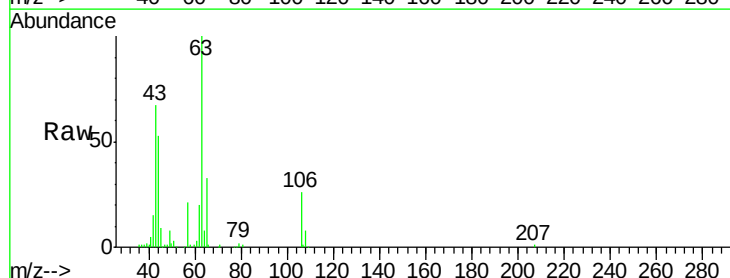
Manual Integrations
 APPROVED

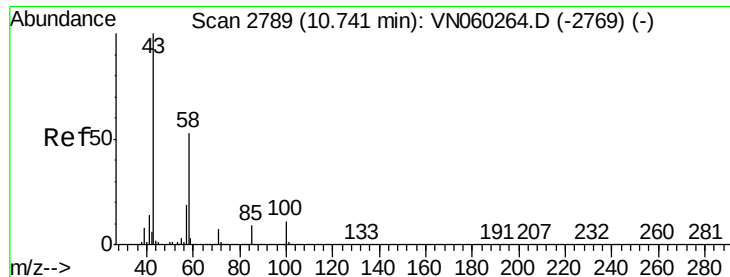
MMDadoda
 3/16/2020 2:04:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.099 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.1	31.7





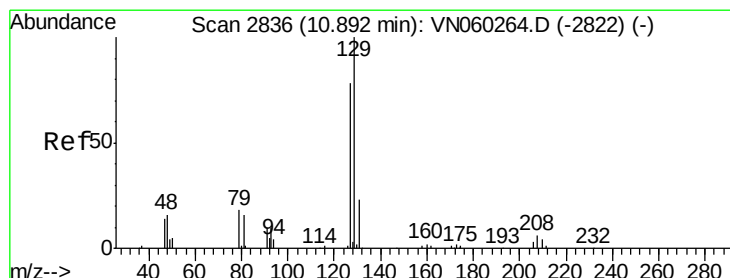
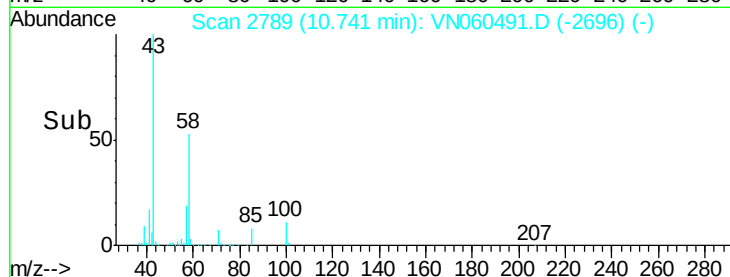
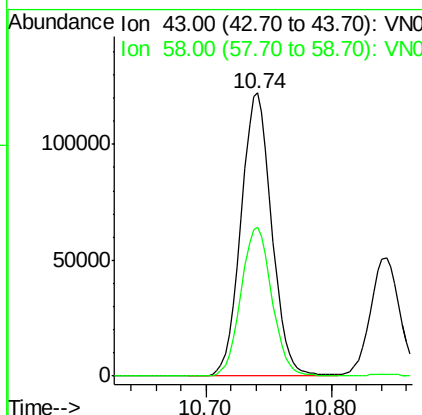
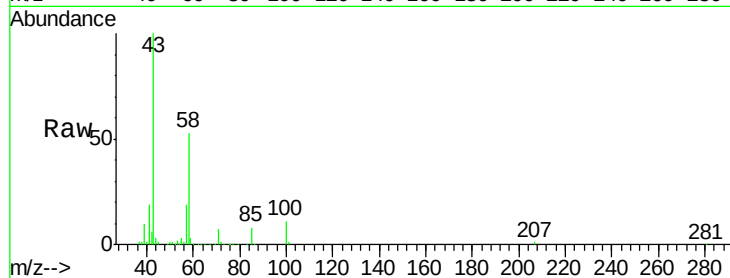
#59
2-Hexanone
Concen: 96.866 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	26.5	79.5

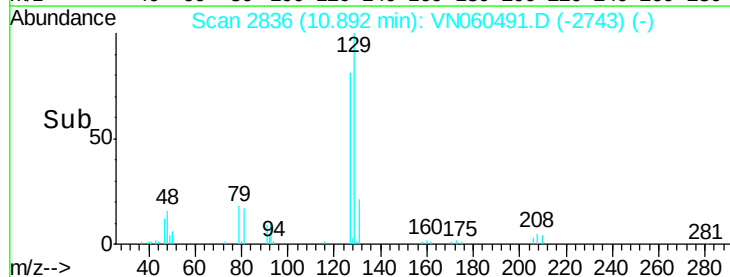
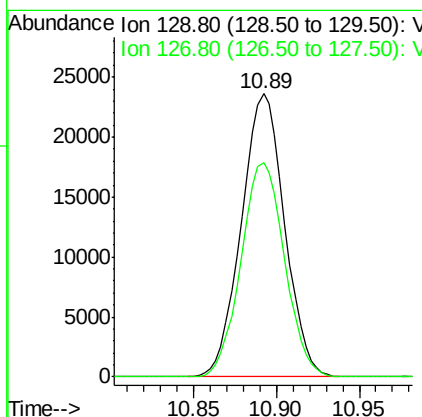
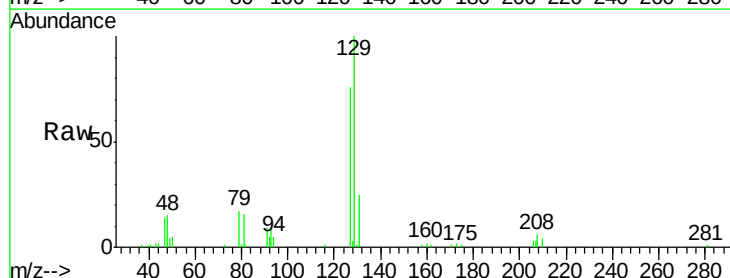
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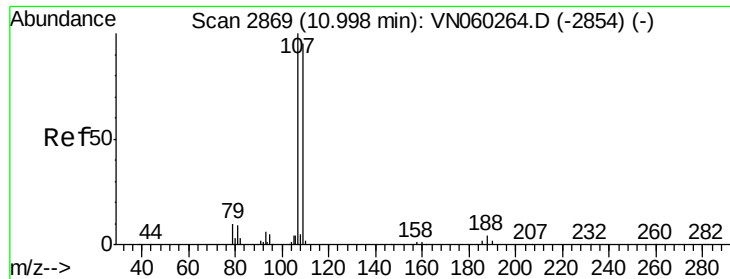
MMDadoda
3/16/2020 2:04:46 PM



#60
Dibromochloromethane
Concen: 18.350 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	38.9	116.7





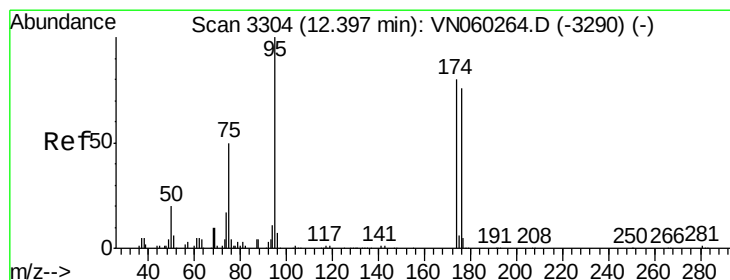
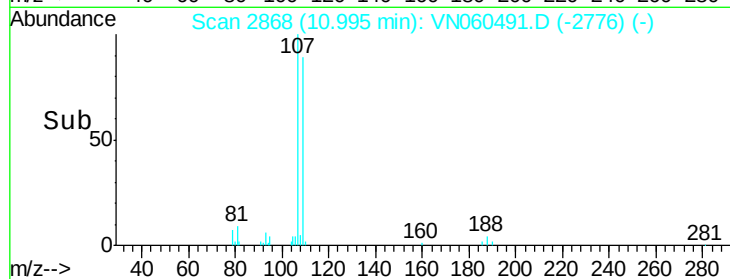
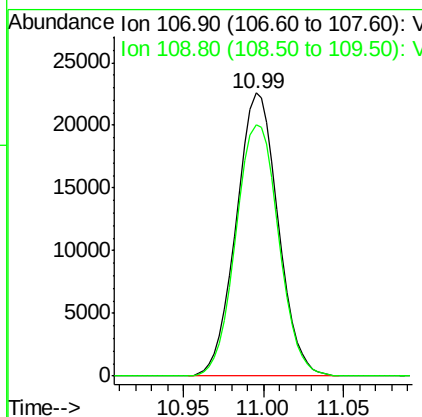
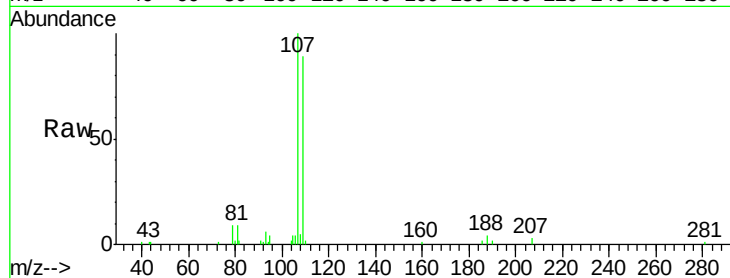
#61
 1,2-Dibromoethane
 Concen: 18.038 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	76.8	115.2

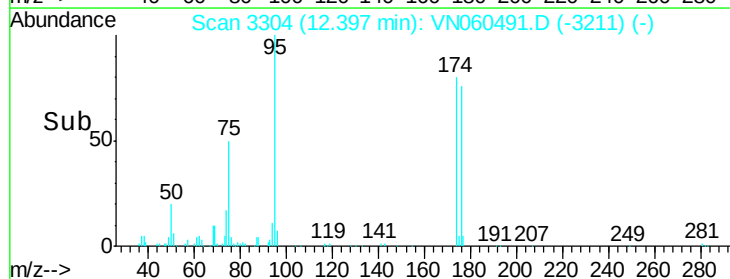
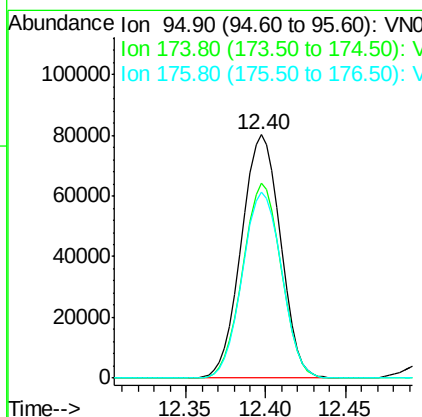
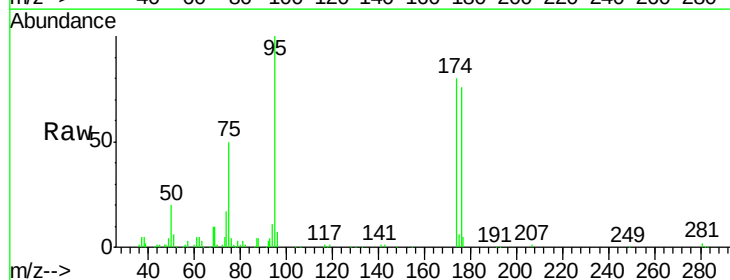
Manual Integrations
 APPROVED

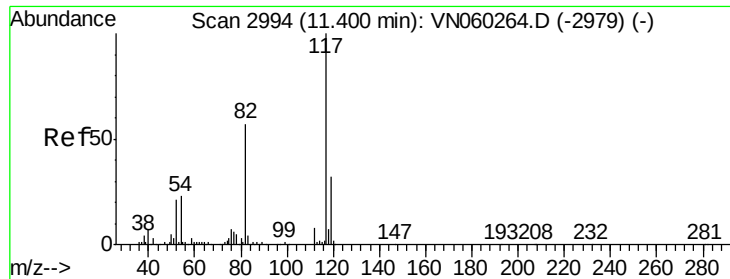
MMDadoda
 3/16/2020 2:04:46 PM



#62
 4-Bromofluorobenzene
 Concen: 45.969 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	159.2
176	77.0	0.0	153.8





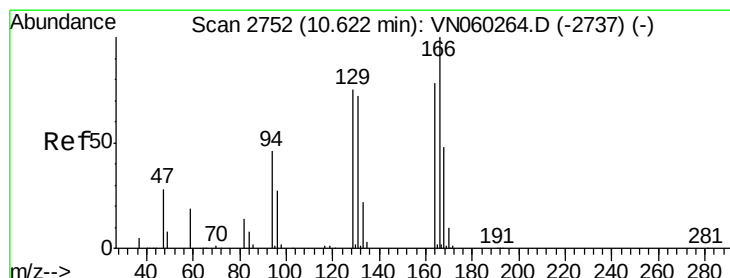
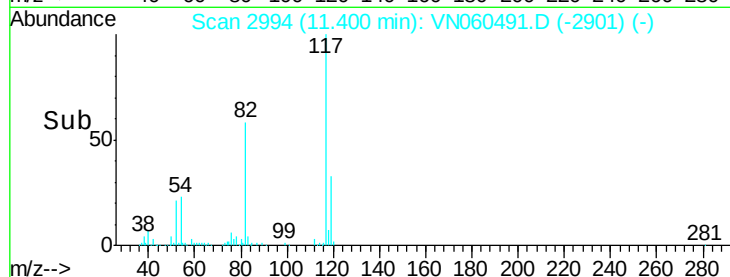
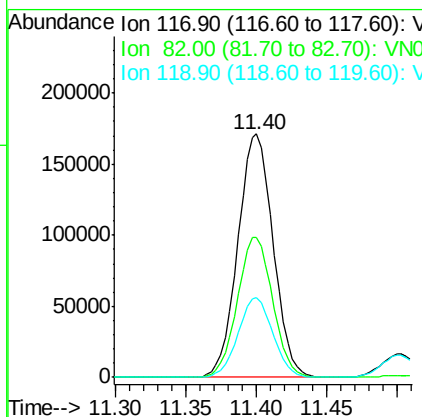
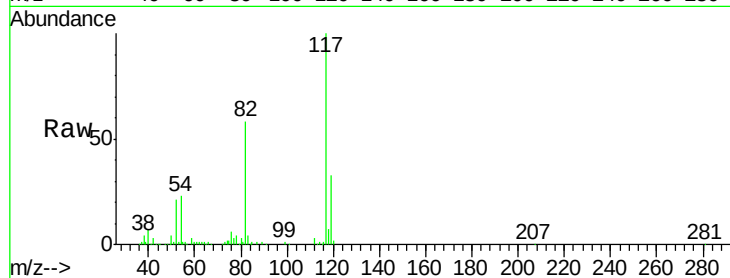
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	299789		
82	57.6		45.8	68.6
119	32.7		25.8	38.8

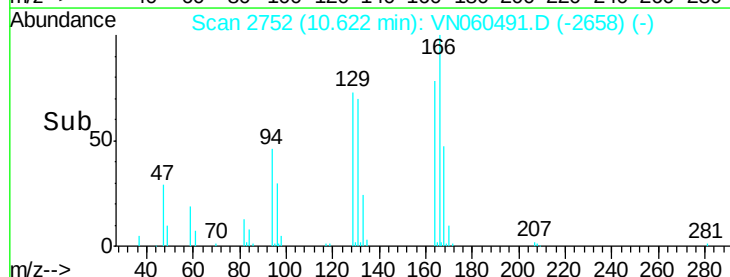
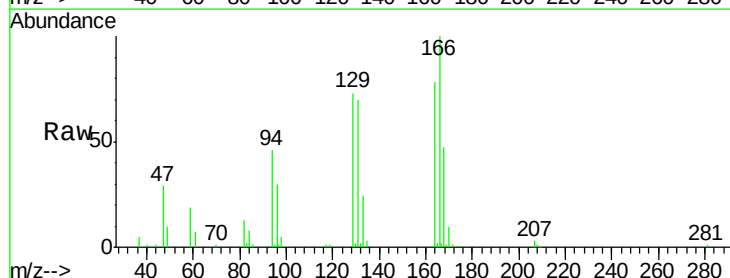
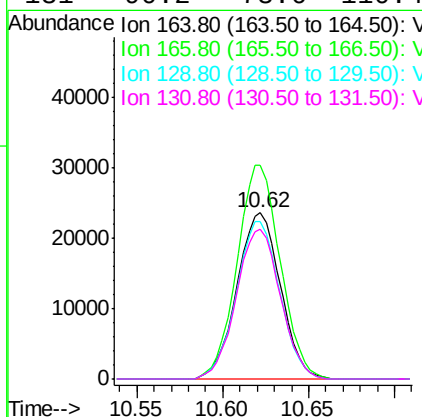
Manual Integrations
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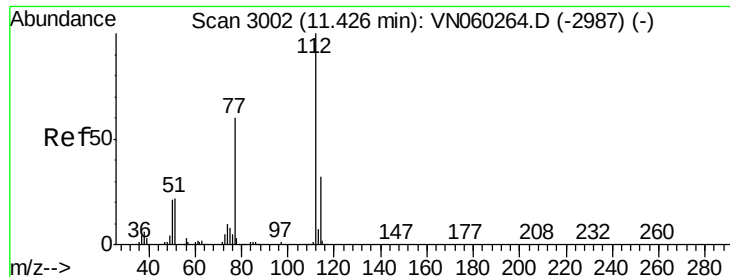
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3/16/2020 2:04:46 PM



#64
Tetrachloroethene
Concen: 16.647 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41520		
166	128.7		102.0	153.0
129	94.6		76.4	114.6
131	90.2		73.6	110.4





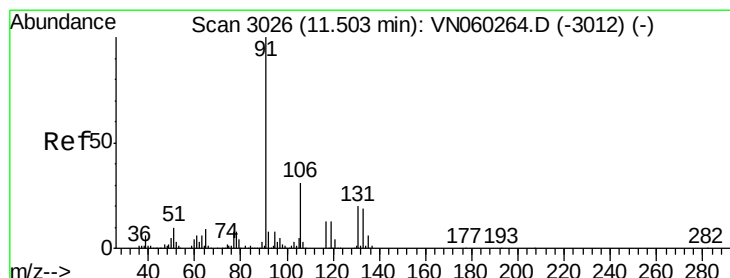
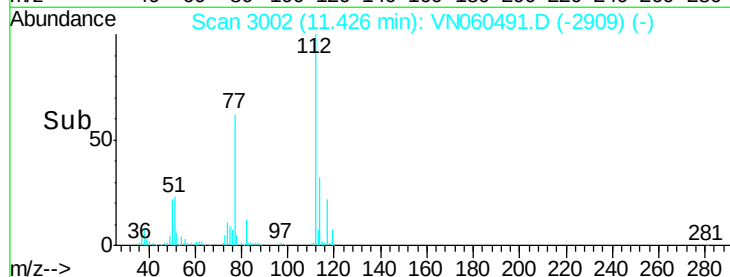
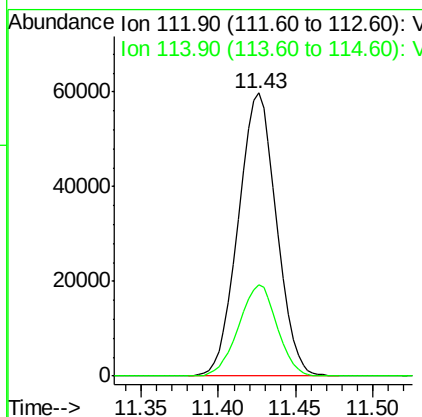
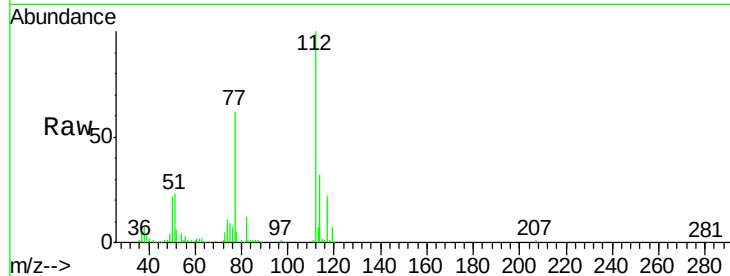
#65
Chlorobenzene
Concen: 16.958 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.0

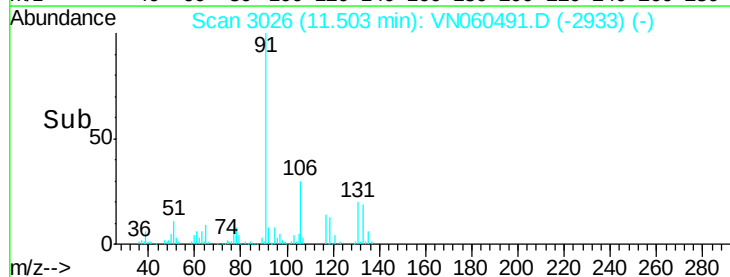
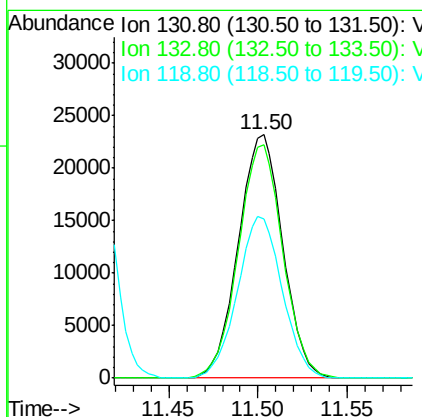
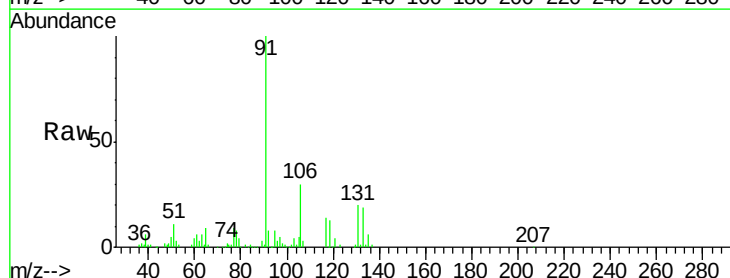
Manual Integrations
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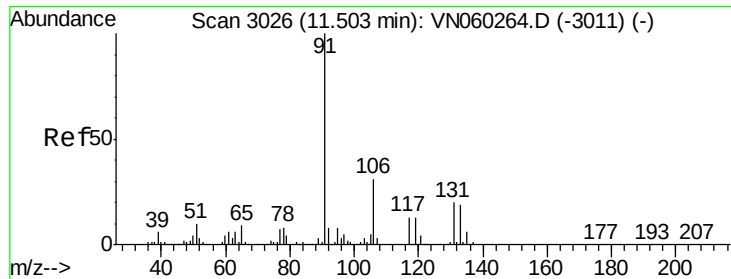
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.956 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.7	143.1
119	66.9	33.2	99.6





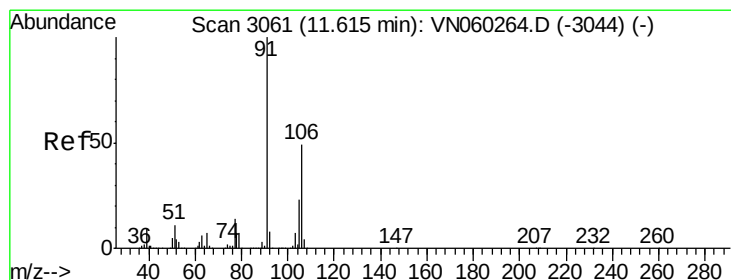
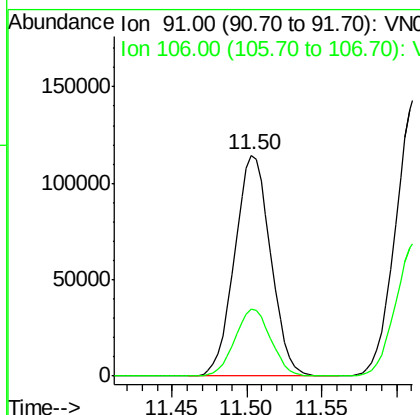
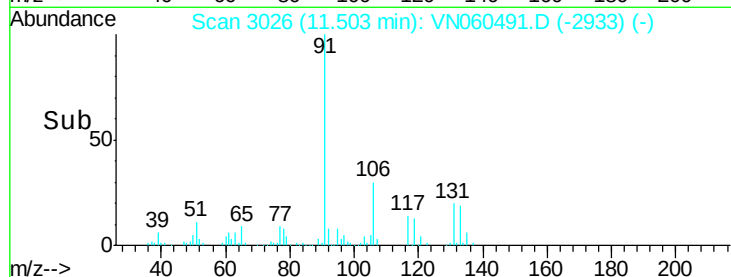
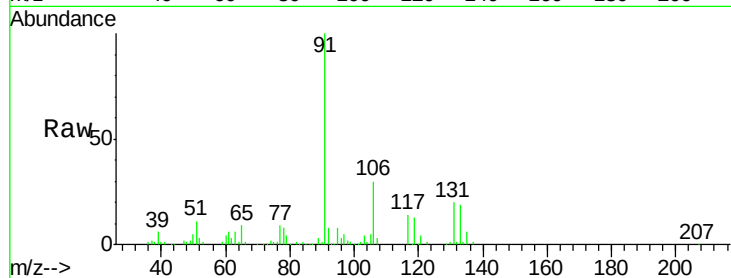
#67
Ethyl Benzene
Concen: 17.378 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion: 91 Resp: 191569
Ion Ratio Lower Upper
91 100
106 30.3 24.7 37.1

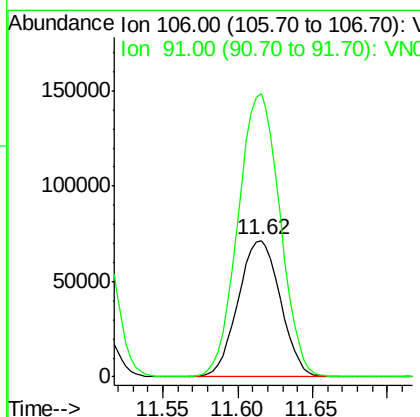
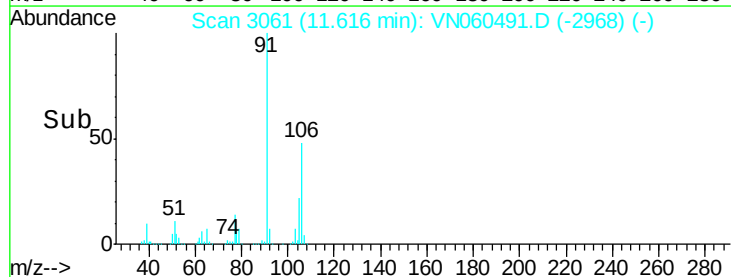
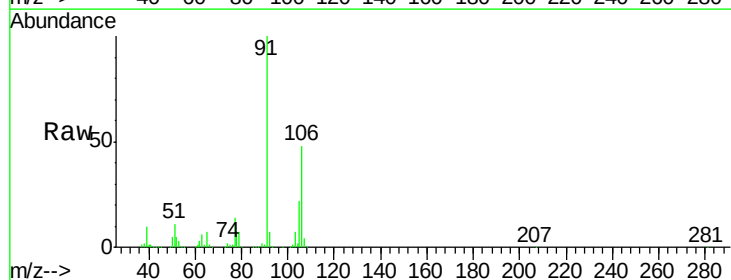
Manual Integrations
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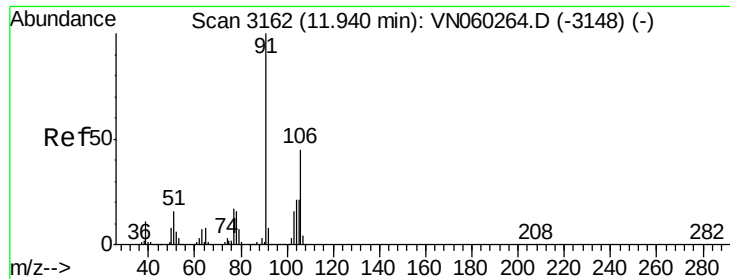
MMDadoda
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#68
m/p-Xylenes
Concen: 33.856 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 106 Resp: 140815
Ion Ratio Lower Upper
106 100
91 206.4 164.5 246.7





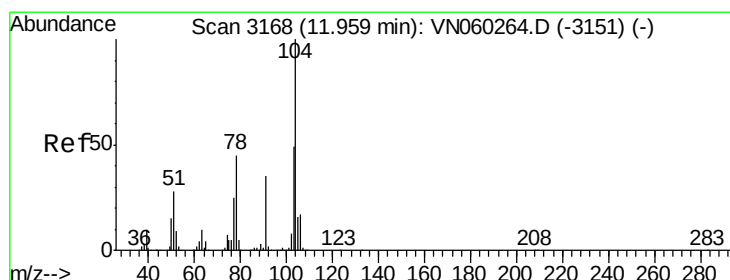
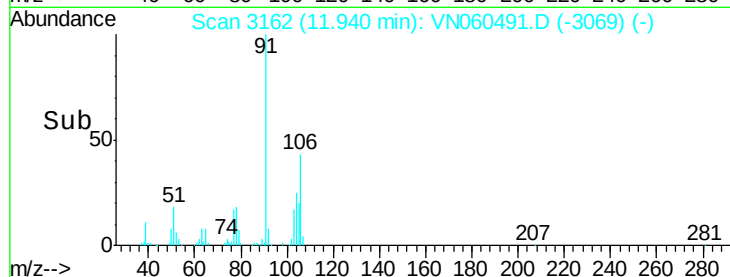
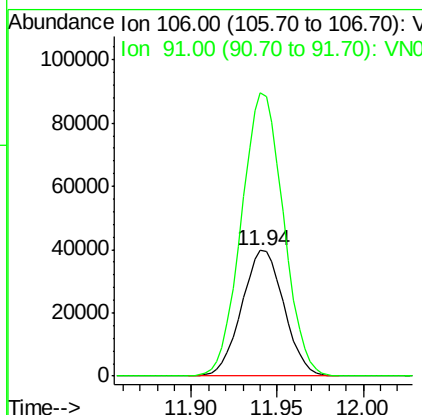
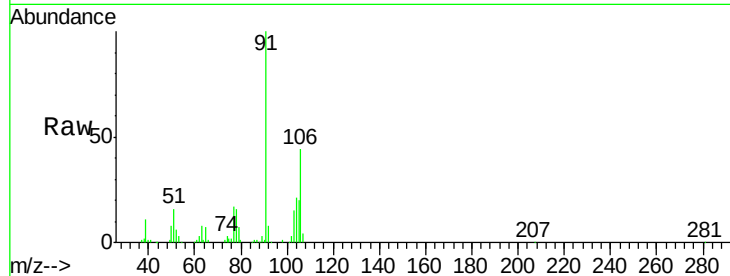
#69
o-Xylene
Concen: 17.040 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	224.3	109.5	328.4

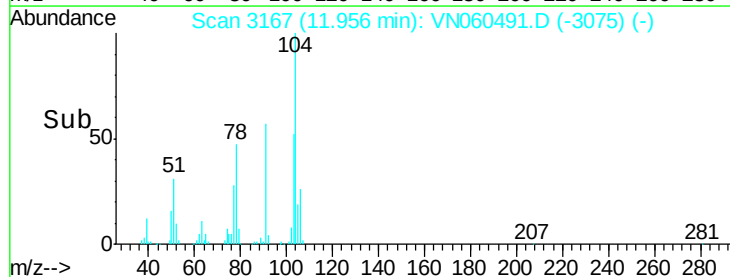
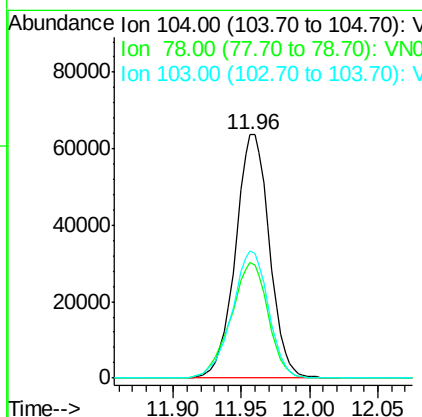
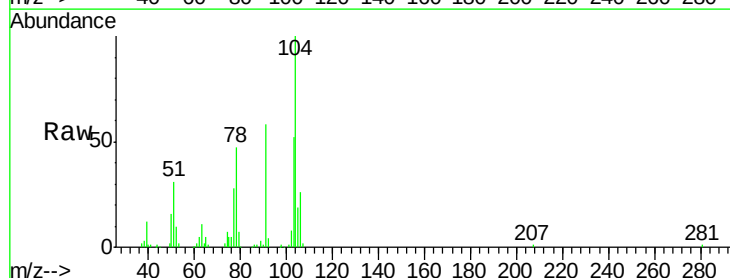
Manual Integrations
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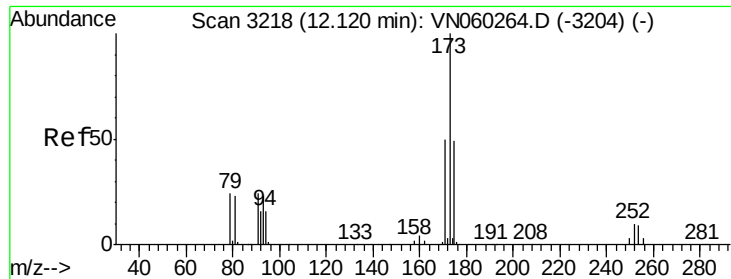
MMDadoda
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#70
Styrene
Concen: 16.894 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.0	41.2	61.8
103	55.9	43.9	65.9





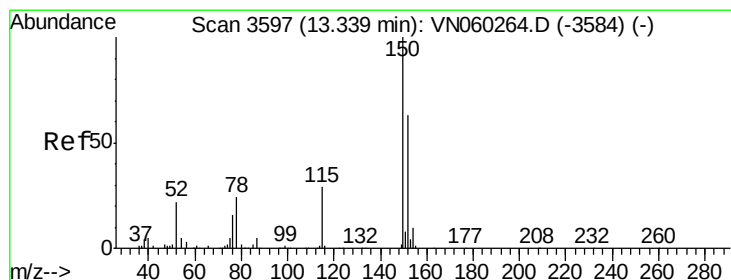
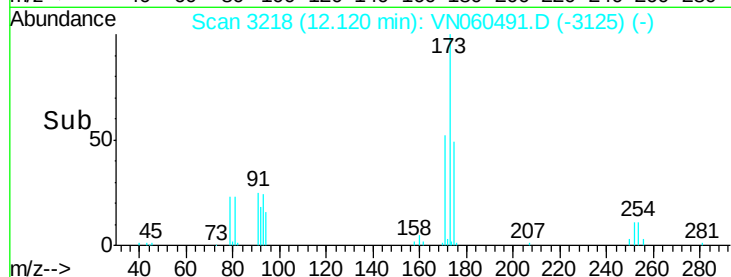
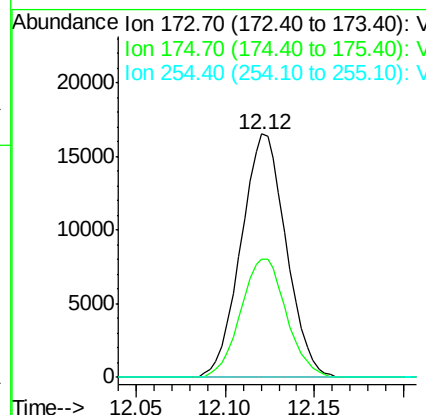
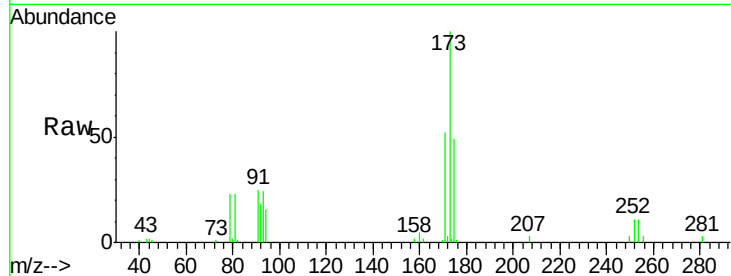
#71
Bromoform
Concen: 18.085 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.2
254	0.0	0.0	0.0

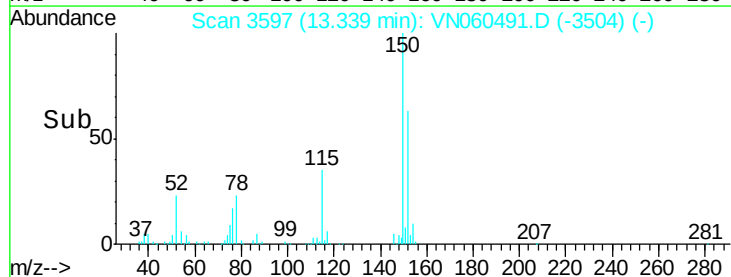
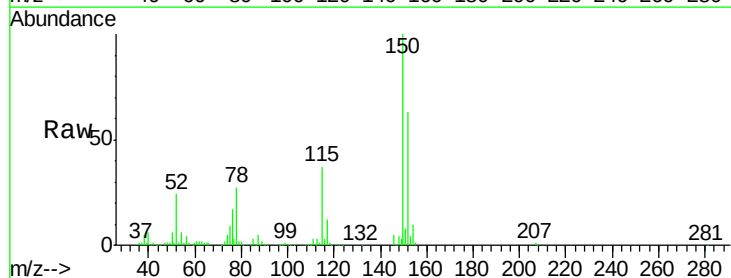
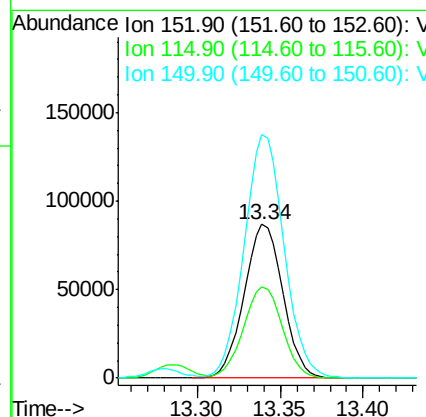
Manual Integrations
APPROVED

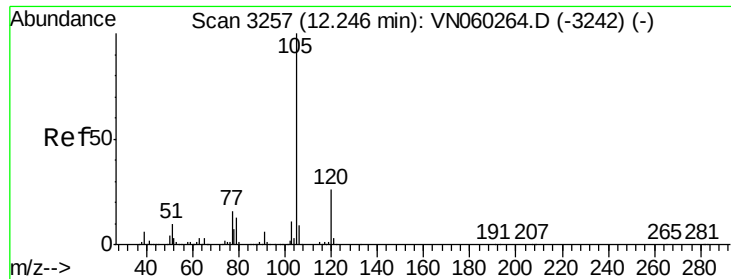
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.0	90.0
150	163.7	0.0	349.6





#73

Isopropylbenzene

Concen: 17.910 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 105 Resp: 186719

Ion Ratio Lower Upper

105 100

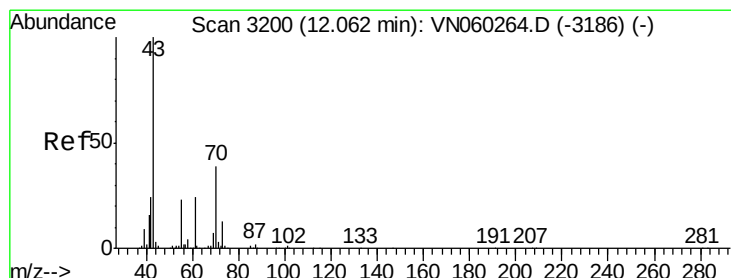
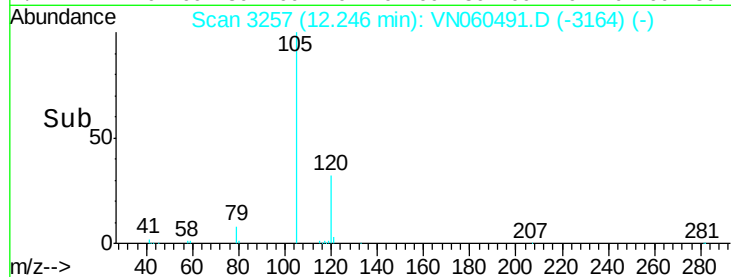
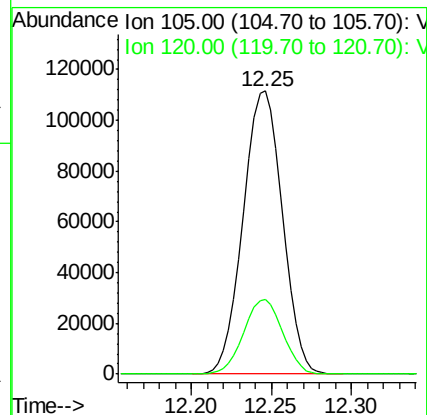
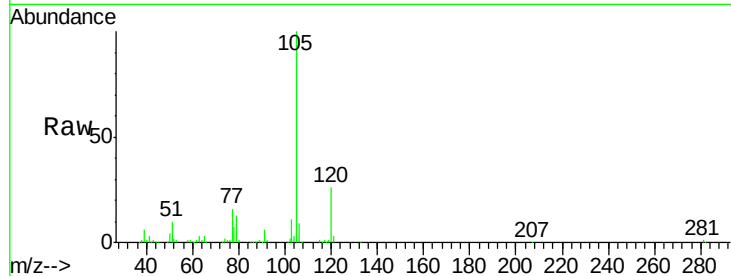
120 26.1 13.0 38.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.181 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion: 43 Resp: 82828

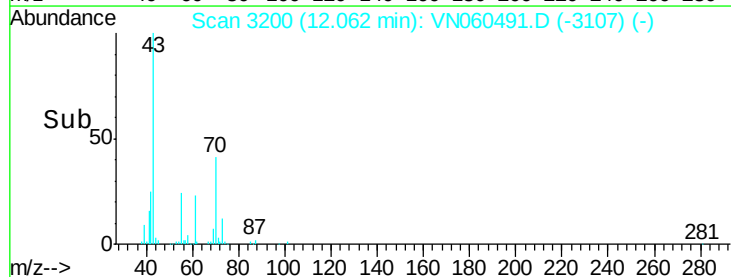
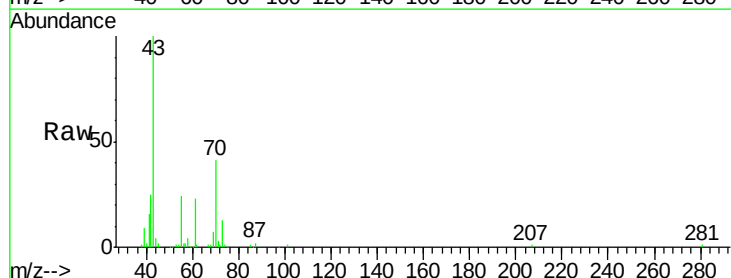
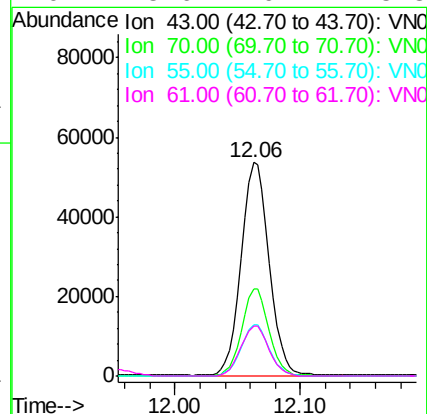
Ion Ratio Lower Upper

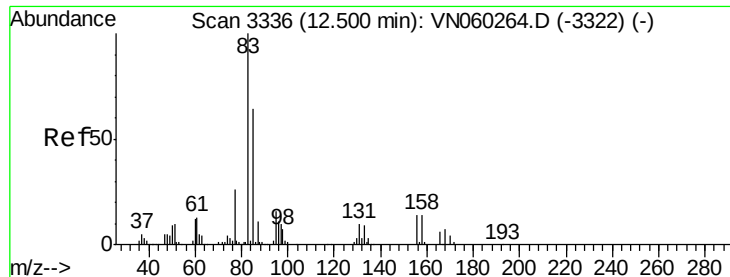
43 100

70 39.6 32.2 48.2

55 24.2 18.2 27.4

61 23.6 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.423 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

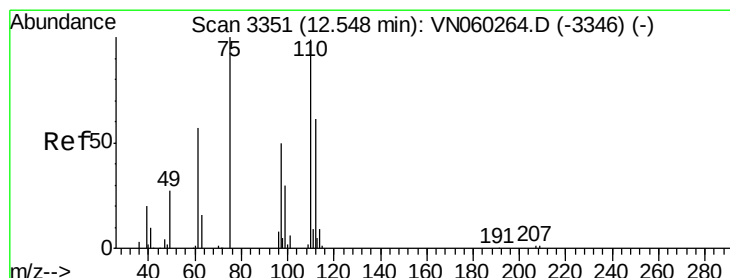
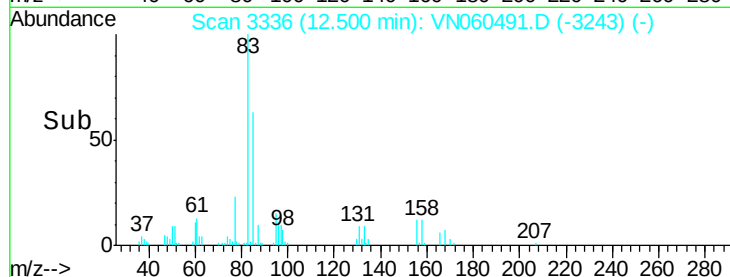
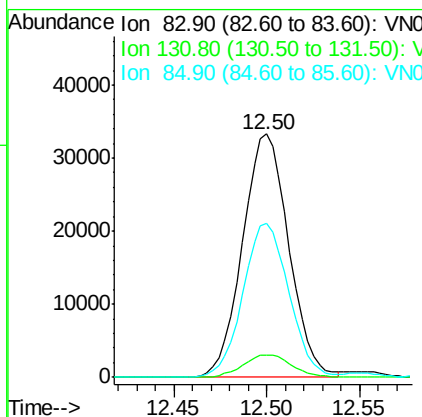
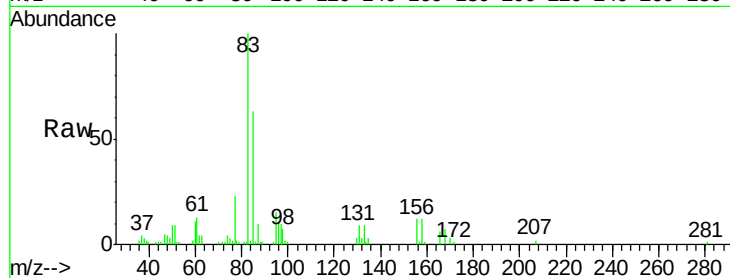
ClientSampleId :

VN0313WBS01

Tot Ion:	83	Resp:	57877
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.1	15.3
85	62.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.314 ug/l m

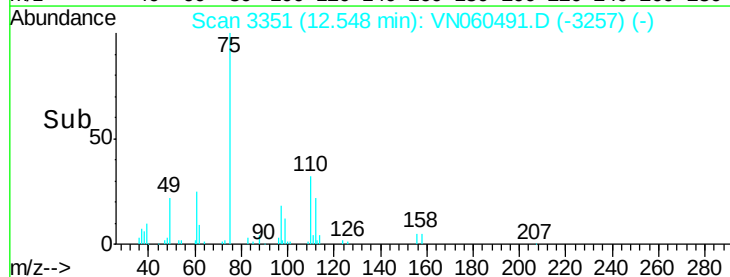
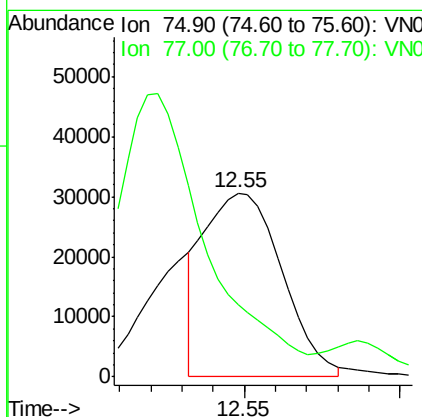
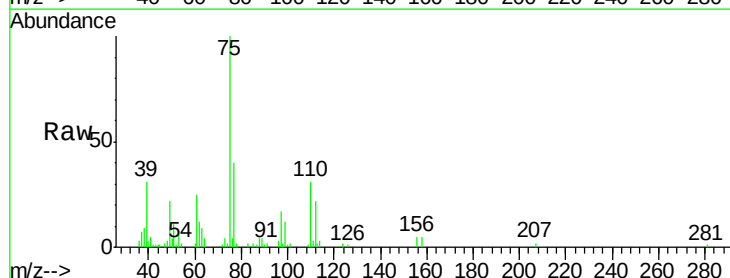
RT: 12.55 min Scan# 3351

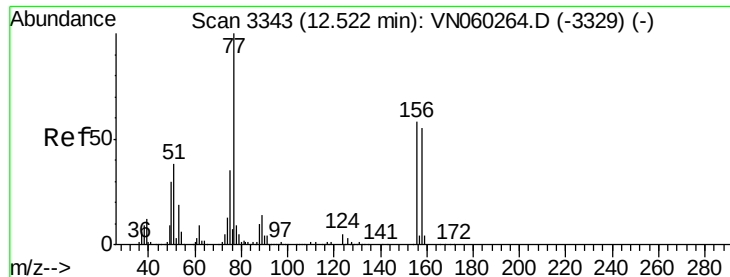
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion:	75	Resp:	53433
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.467 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:156 Resp: 44638

Ion Ratio Lower Upper

156 100

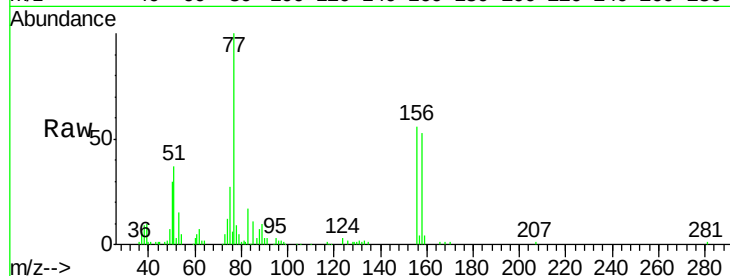
77 216.9 106.1 318.3

158 97.2 48.3 144.8

Manual Integrations
APPROVED

MMDadoda

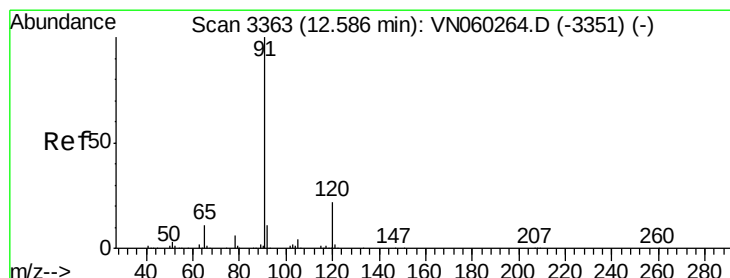
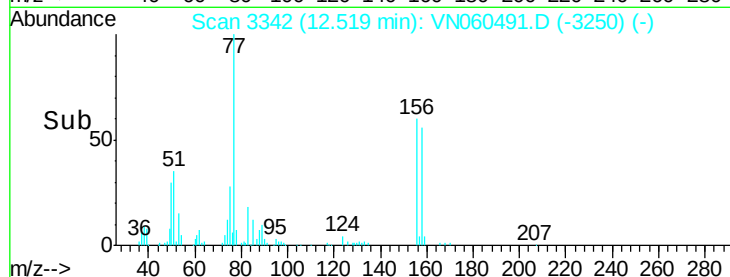
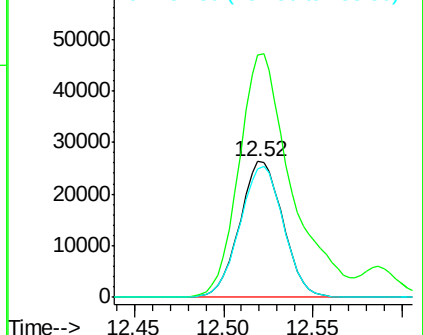
3/16/2020 2:04:46 PM



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: 17.763 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060491.D

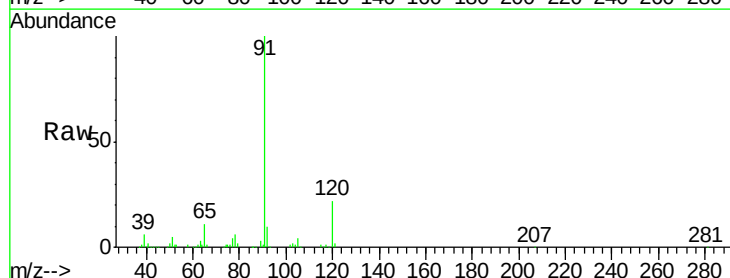
Acq: 13 Mar 2020 10:43

Tgt Ion: 91 Resp: 217075

Ion Ratio Lower Upper

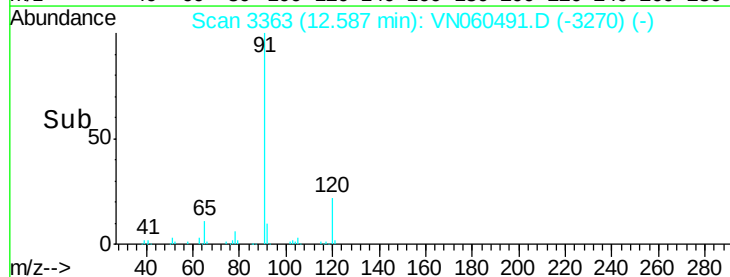
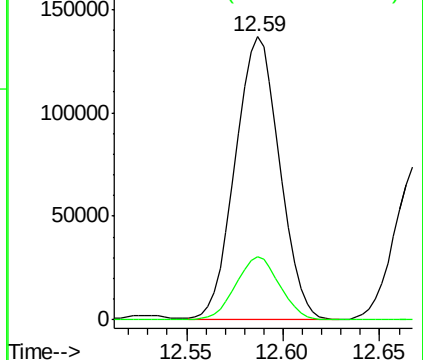
91 100

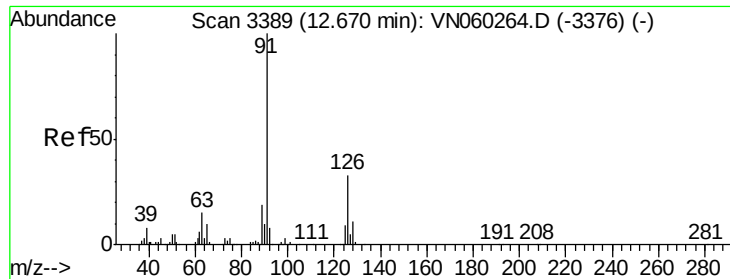
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





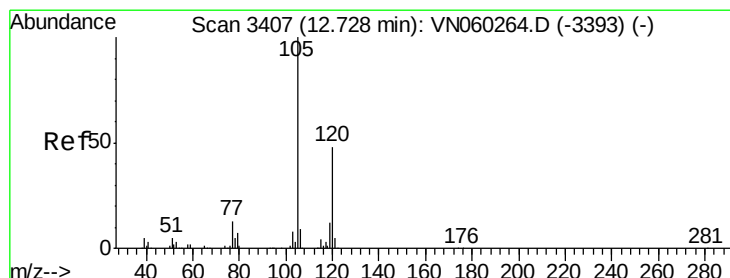
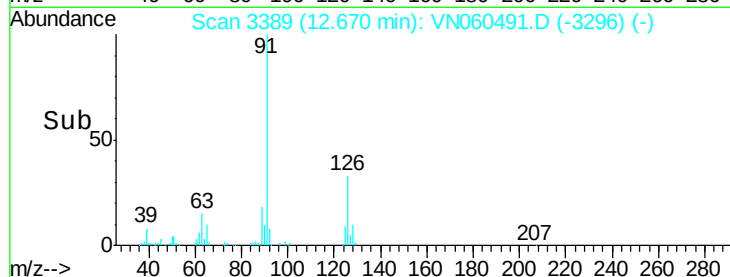
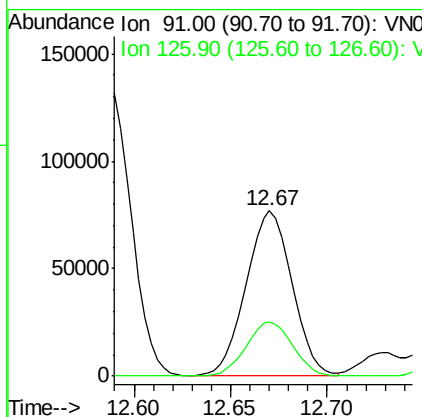
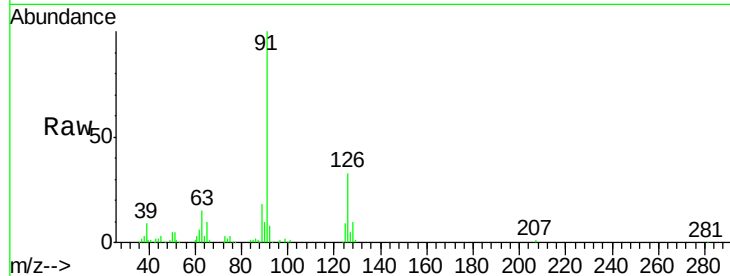
#79
 2-Chlorotoluene
 Concen: 17.725 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.6	49.8

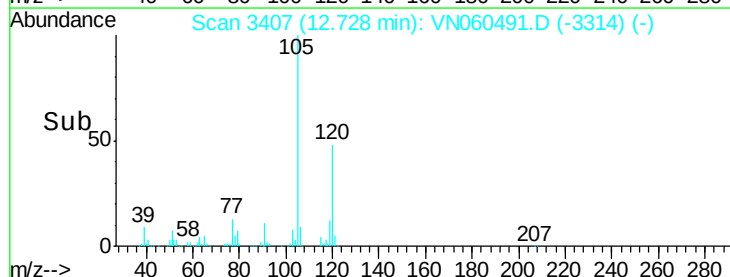
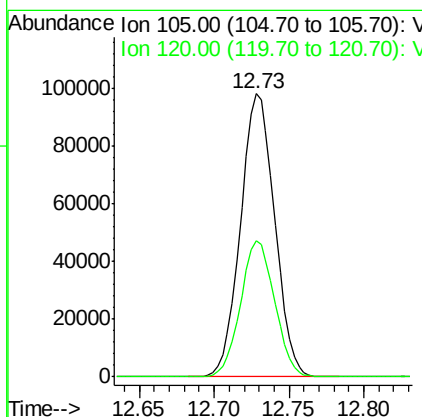
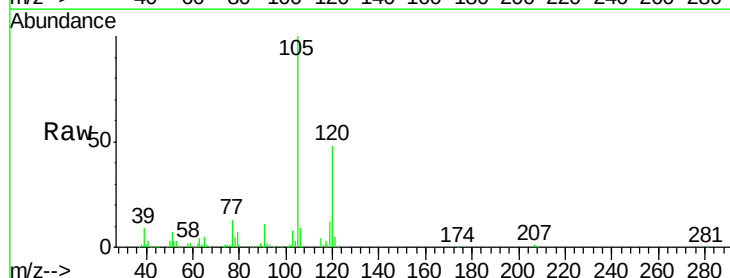
Manual Integrations
 APPROVED

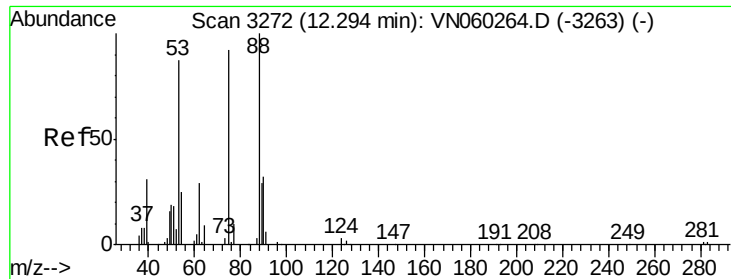
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 17.741 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	24.1	72.4





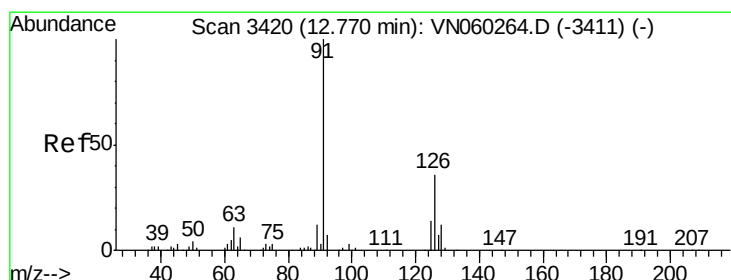
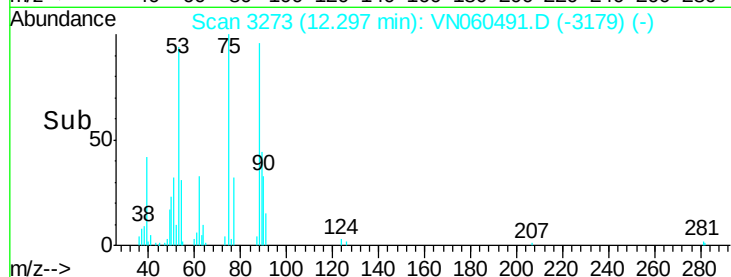
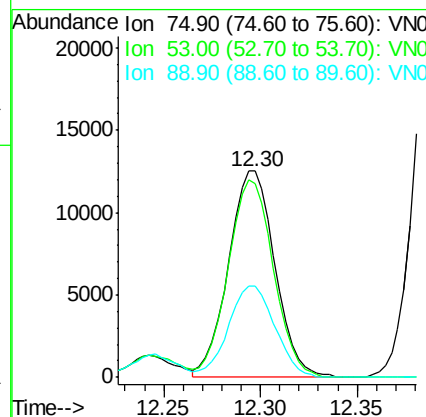
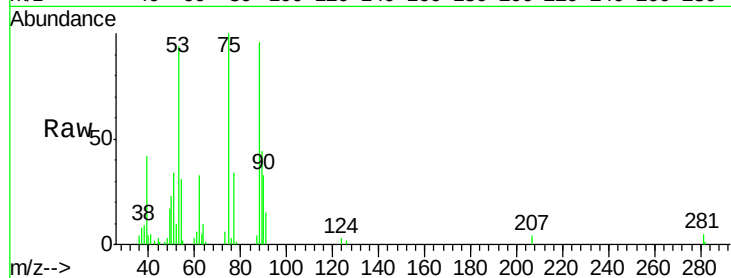
#81
trans-1,4-Dichloro-2-butene
Concen: 18.696 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	73.8	110.6
89	44.6	57.1	85.7#

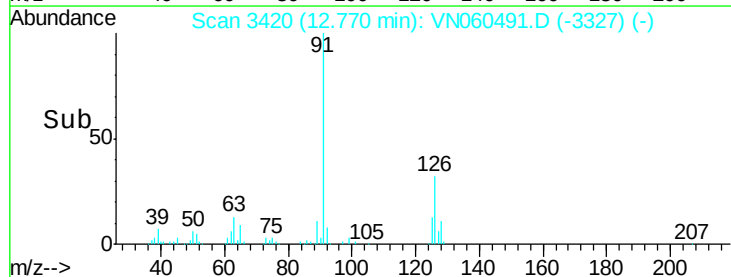
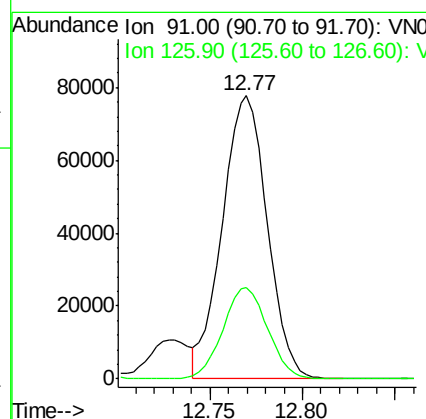
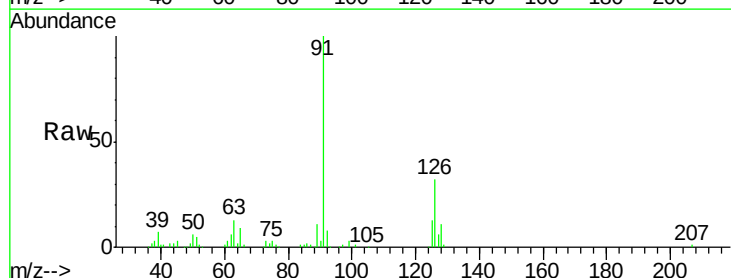
Manual Integrations
APPROVED

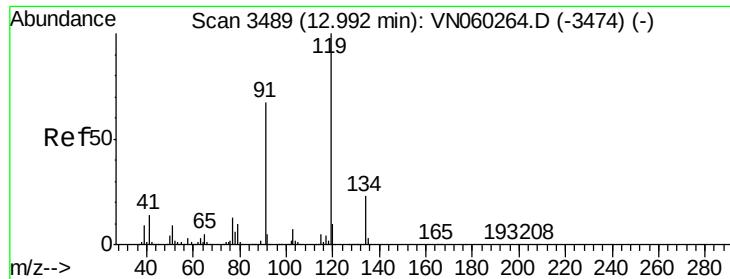
MMDadoda
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#82
4-Chlorotoluene
Concen: 17.268 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.7	50.1





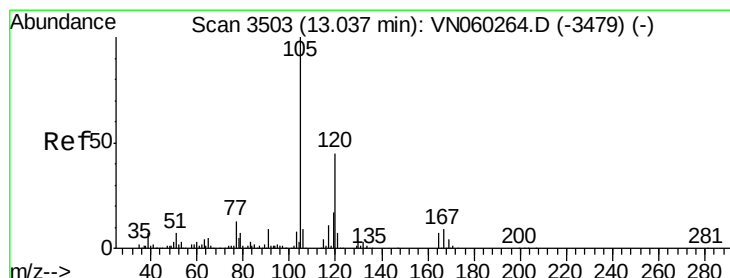
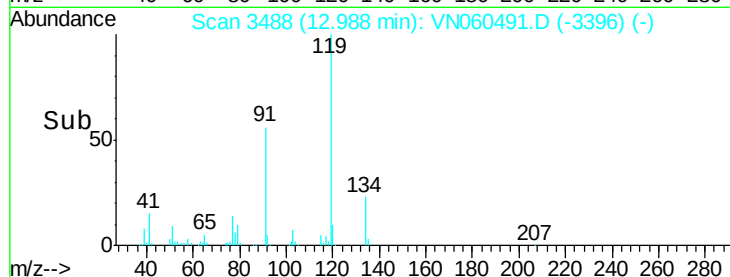
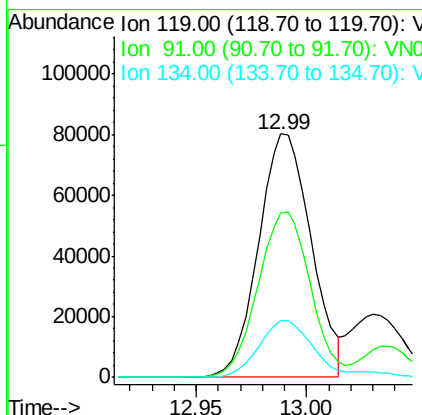
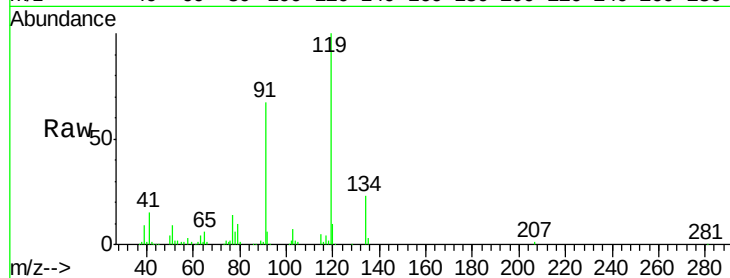
#83
 tert-Butylbenzene
 Concen: 17.483 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.4	33.1	99.2
134	23.6	12.4	37.0

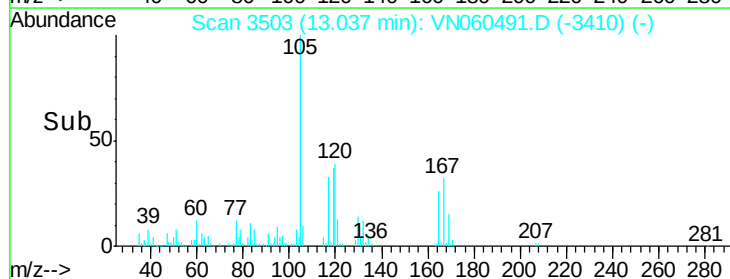
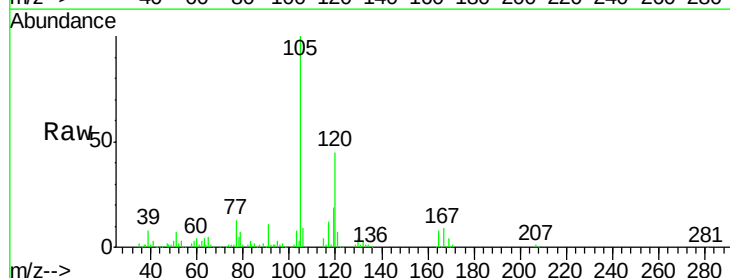
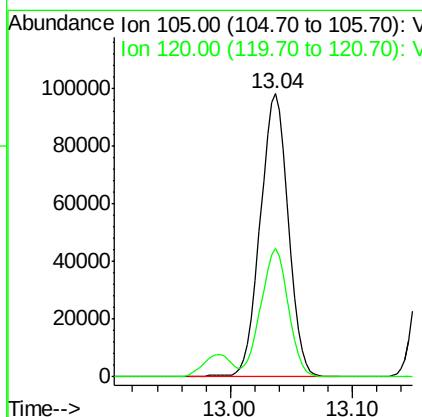
Manual Integrations
 APPROVED

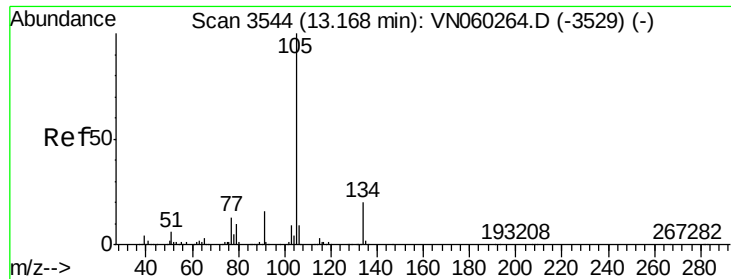
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#84
 1,2,4-Trimethylbenzene
 Concen: 17.625 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 17.393 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion:105 Resp: 177012

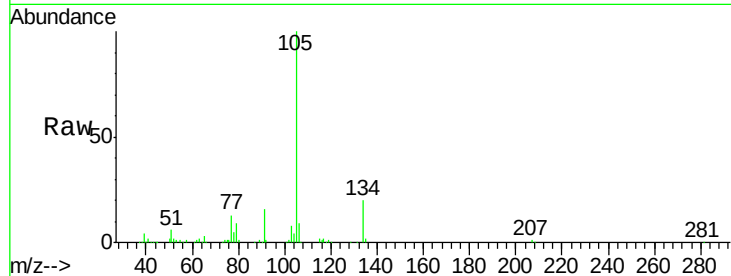
Ion Ratio Lower Upper

105 100

134 19.6 9.8 29.5

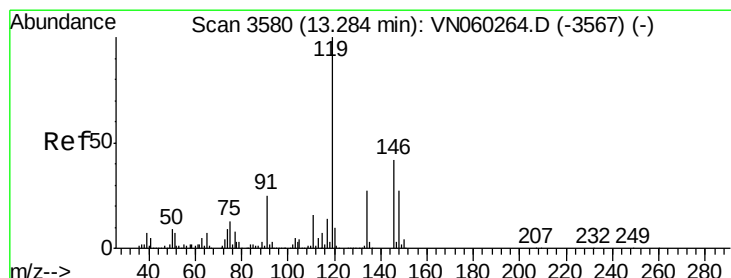
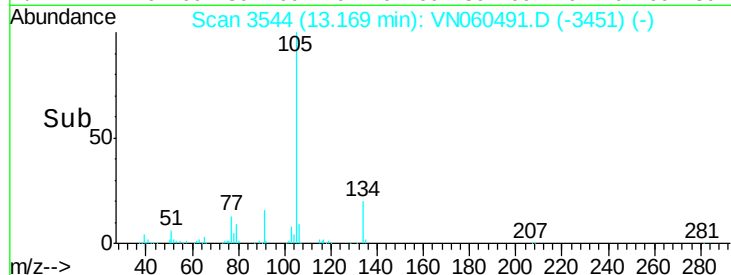
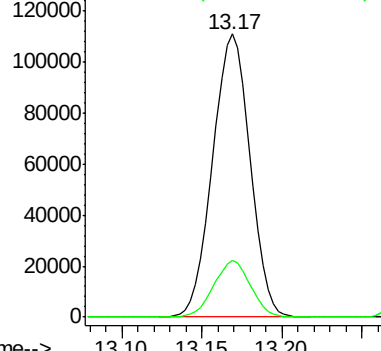
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 16.937 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

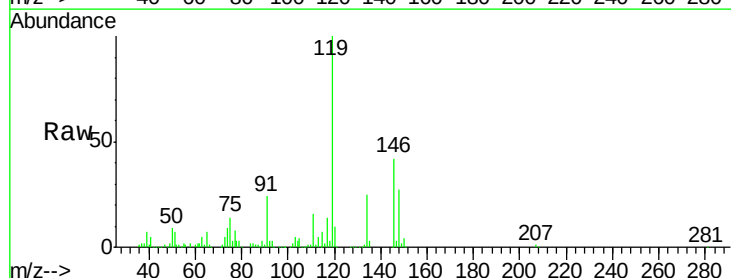
Tgt Ion:119 Resp: 159537

Ion Ratio Lower Upper

119 100

134 25.5 13.2 39.6

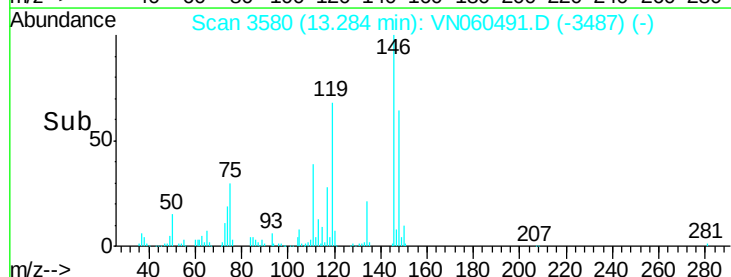
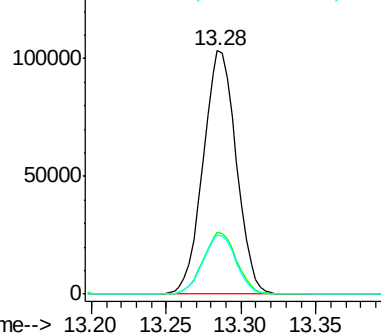
91 24.3 12.2 36.6

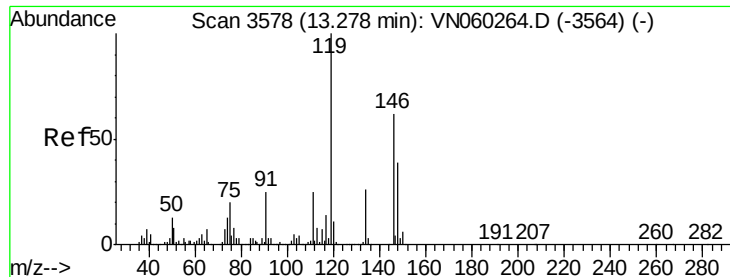


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 17.793 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060491.D

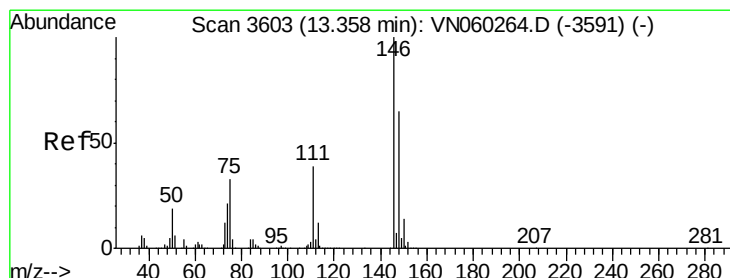
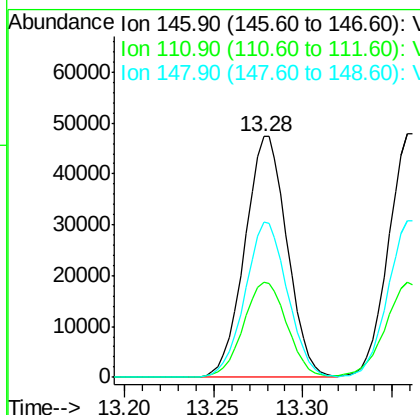
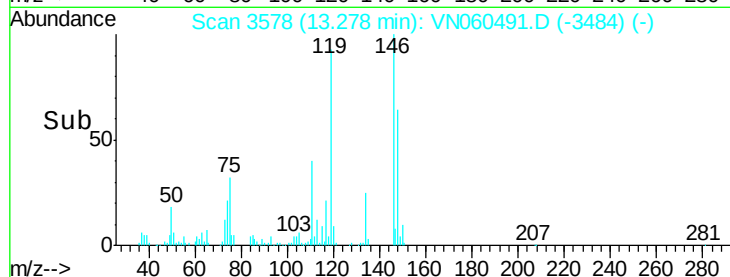
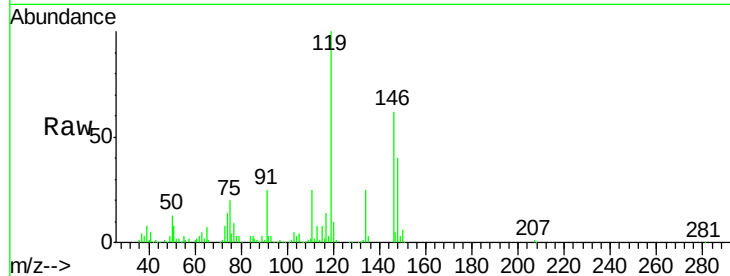
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.636 ug/l

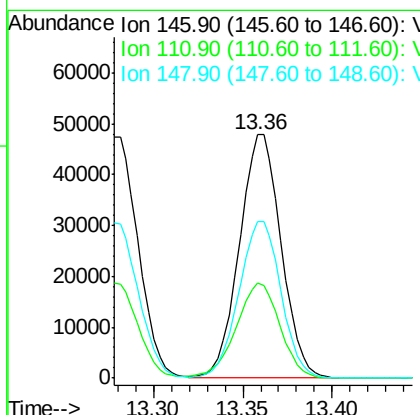
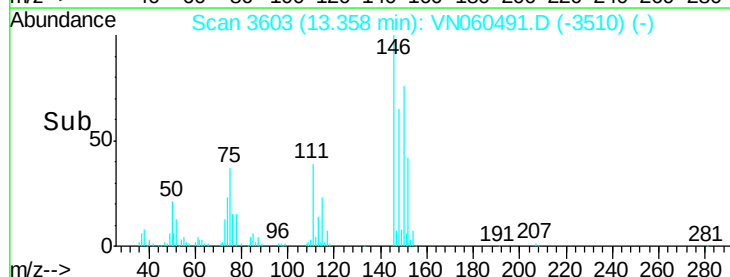
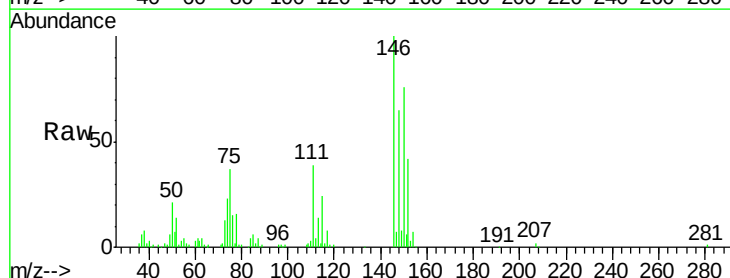
RT: 13.36 min Scan# 3603

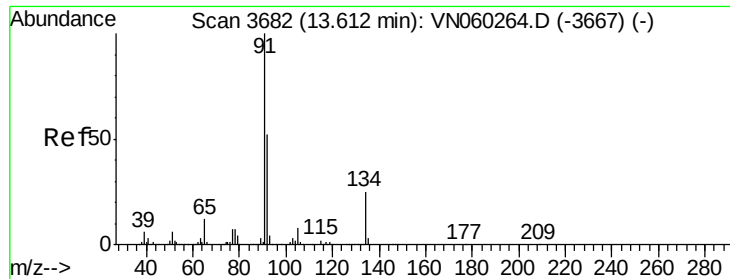
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.8	59.4
148	65.0	32.3	96.9





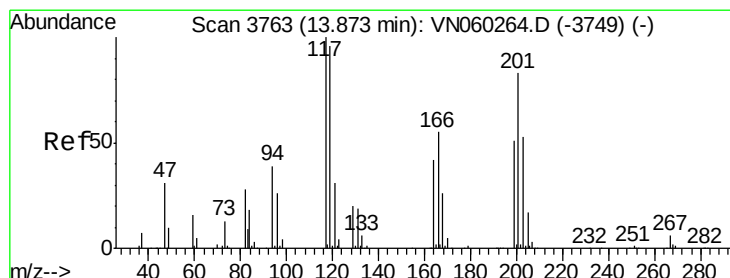
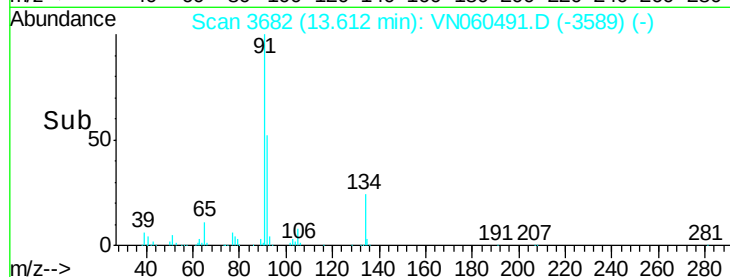
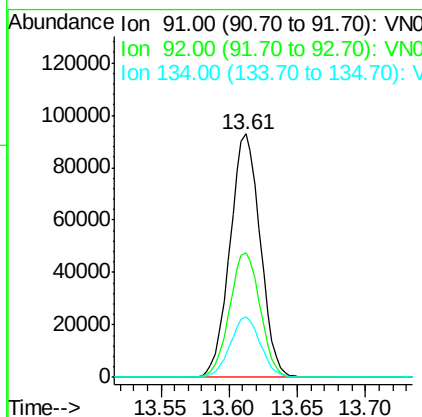
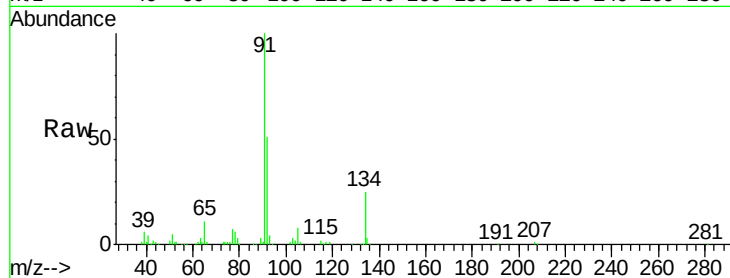
#89
n-Butylbenzene
Concen: 16.585 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.0	78.0
134	24.4	12.7	38.1

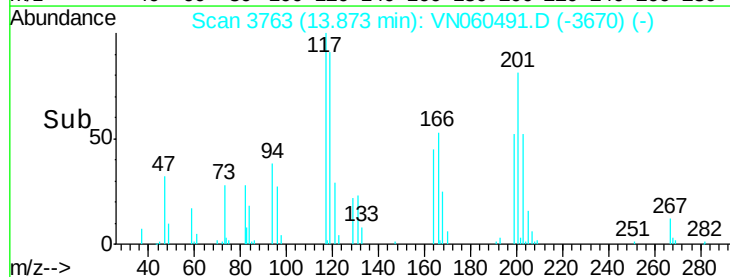
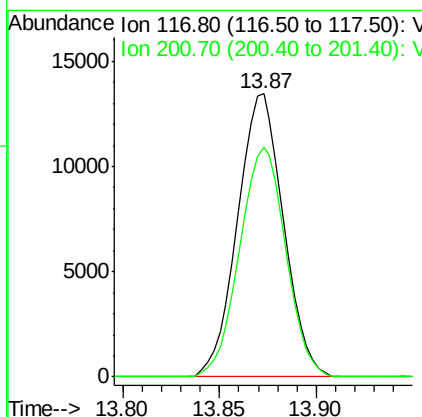
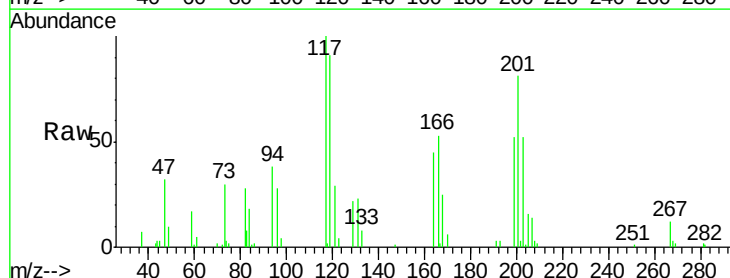
Manual Integrations
APPROVED

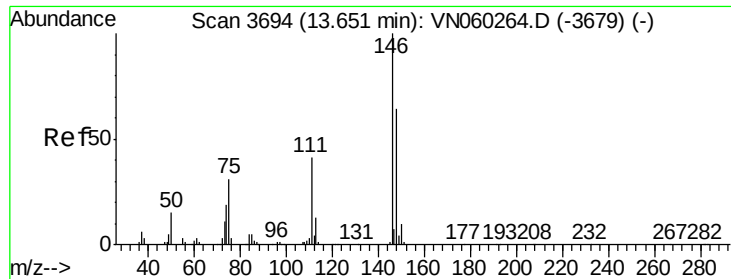
MMDadoda
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#90
Hexachloroethane
Concen: 16.342 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	41.0	123.0





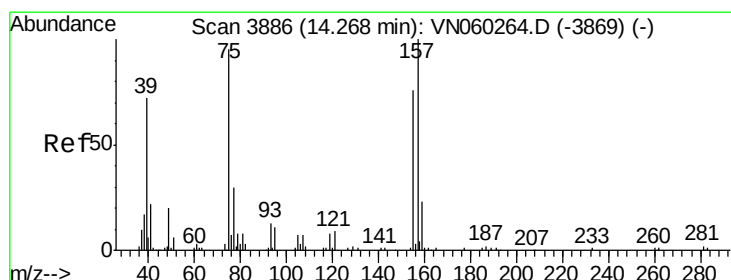
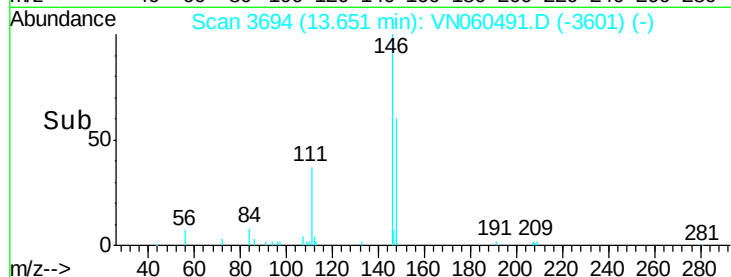
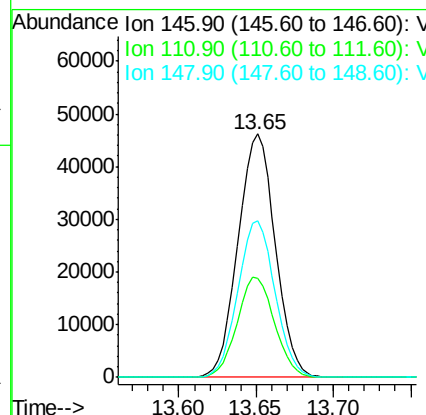
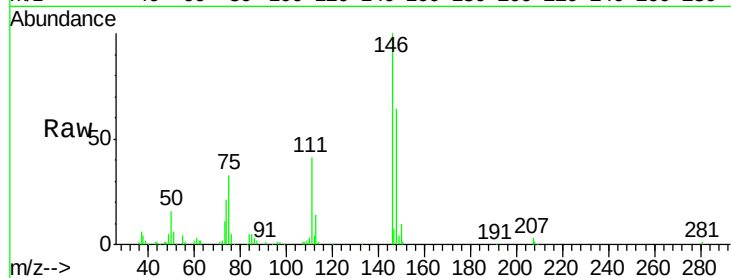
#91
 1,2-Dichlorobenzene
 Concen: 17.255 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.9	31.8	95.3

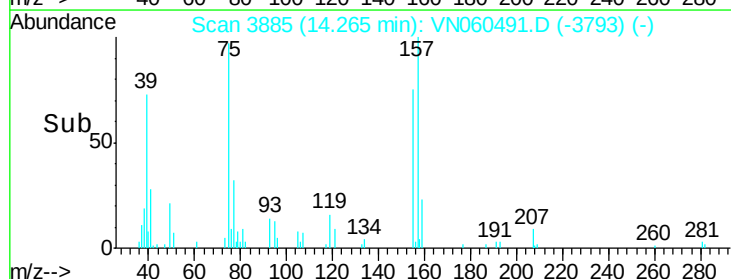
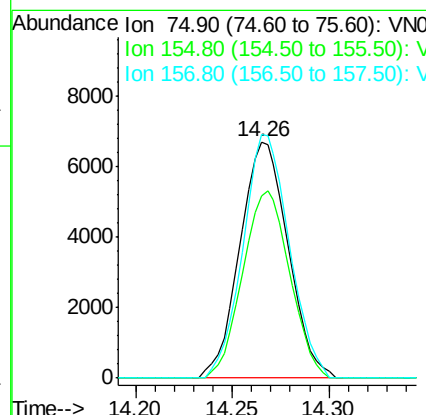
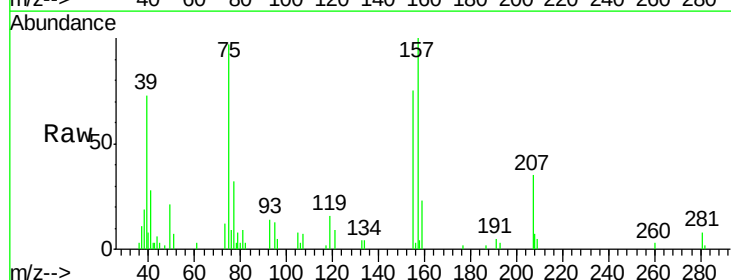
Manual Integrations
 APPROVED

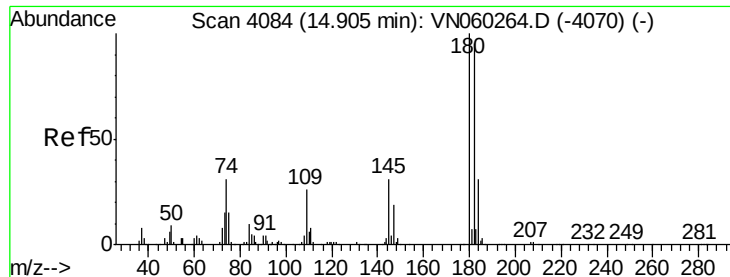
MMDadoda
 3/16/2020 2:04:46 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.085 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	40.4	121.2
157	99.2	52.5	157.5





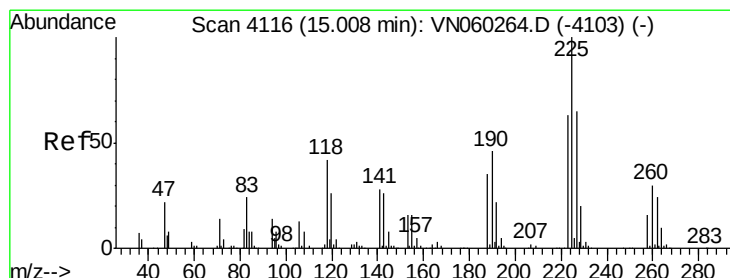
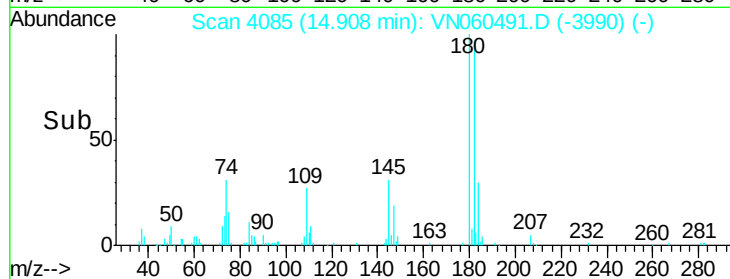
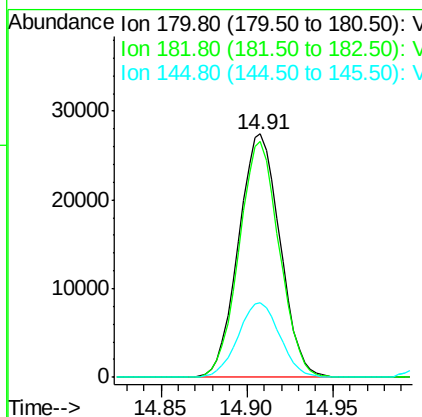
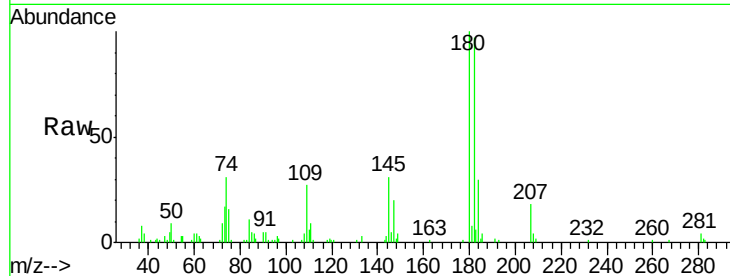
#93
1,2,4-Trichlorobenzene
Concen: 16.247 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.8	143.3
145	30.8	15.4	46.1

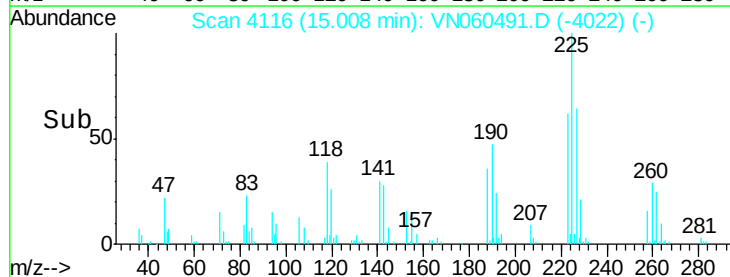
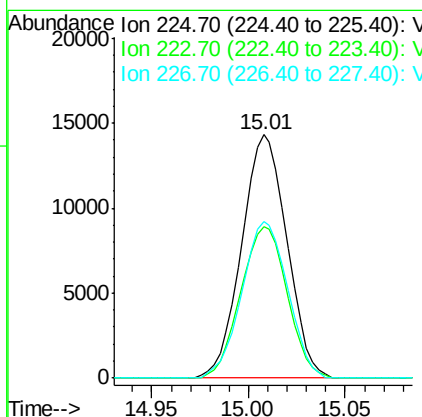
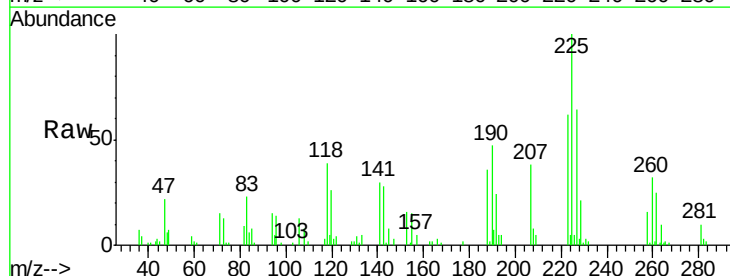
Manual Integrations
APPROVED

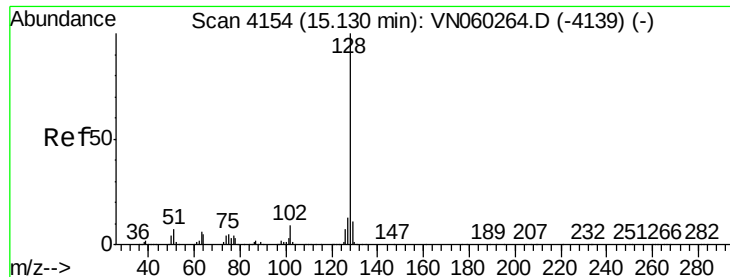
MMDadoda
3/16/2020 2:04:46 PM



#94
Hexachlorobutadiene
Concen: 17.481 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.9
227	65.0	32.3	96.9





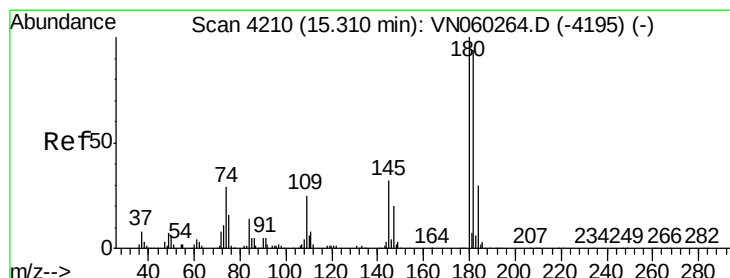
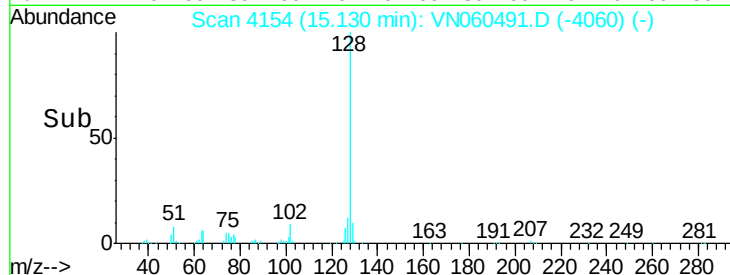
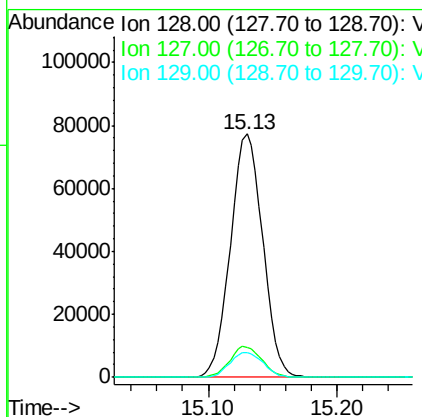
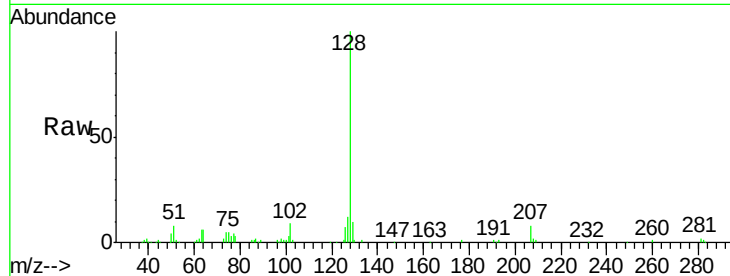
#95
Naphthalene
Concen: 15.850 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	10.6	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/16/2020 2:04:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 16.501 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	142.0
145	33.5	16.2	48.5

