

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022620\
 Data File : VN060247.D
 Acq On : 26 Feb 2020 13:28
 Operator : JC/MD
 Sample : VN0226WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 9:40:51 AM

Quant Time: Feb 27 05:06:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	211410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336950	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	312924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155655	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	136615	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	7.57	113	99784	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	10.08	98	403803	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.40	95	153709	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	40088	18.971	ug/l	98
3) Chloromethane	2.04	50	67738	26.936	ug/l	98
4) Vinyl Chloride	2.16	62	56296	19.640	ug/l	99
5) Bromomethane	2.54	94	21317	12.128	ug/l	96
6) Chloroethane	2.68	64	30073	20.743	ug/l	100
7) Trichlorofluoromethane	3.00	101	72493	19.616	ug/l	100
8) Diethyl Ether	3.38	74	27488	22.344	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	41405	20.180	ug/l	97
10) Methyl Iodide	3.93	142	36125	14.938	ug/l	99
11) Tert butyl alcohol	4.73	59	39776	103.325	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	40338	20.181	ug/l	93
13) Acrolein	3.58	56	32797	86.192	ug/l	96
14) Allyl chloride	4.29	41	68054	23.132	ug/l	92
15) Acrylonitrile	4.94	53	106681	113.475	ug/l	97
16) Acetone	3.78	43	82310	73.353	ug/l	97
17) Carbon Disulfide	4.03	76	110788	18.389	ug/l	98
18) Methyl Acetate	4.29	43	55160	26.168	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	144544	21.504	ug/l	100
20) Methylene Chloride	4.52	84	46210	20.642	ug/l	94
21) trans-1,2-Dichloroethene	5.01	96	42991	19.731	ug/l	97
22) Diisopropyl ether	5.91	45	149609	23.204	ug/l	96
23) Vinyl Acetate	5.86	43	601978	111.180	ug/l	97
24) 1,1-Dichloroethane	5.81	63	85501	21.891	ug/l	99
25) 2-Butanone	6.80	43	135472	95.994	ug/l	95
26) 2,2-Dichloropropane	6.80	77	76117	20.518	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	51219	20.086	ug/l	96
28) Bromochloromethane	7.17	49	36150	23.542	ug/l	90
29) Tetrahydrofuran	7.18	42	95589	110.408	ug/l	93
30) Chloroform	7.35	83	83724	20.463	ug/l	97
31) Cyclohexane	7.63	56	76311	20.974	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	74693	19.977	ug/l	98
36) 1,1-Dichloropropene	7.77	75	62780	20.116	ug/l	98
37) Ethyl Acetate	6.90	43	60780	21.548	ug/l	99
38) Carbon Tetrachloride	7.75	117	61906	18.264	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	75101	19.385	ug/l	96
40) Benzene	8.02	78	184615	19.941	ug/l	100
41) Methacrylonitrile	7.14	41	25646	21.681	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	68424	21.087	ug/l	98
43) Isopropyl Acetate	8.14	43	105110	21.800	ug/l	99
44) Trichloroethene	8.82	130	52758	20.581	ug/l	96
45) 1,2-Dichloropropane	9.10	63	48959	21.360	ug/l	99
46) Dibromomethane	9.19	93	31312	19.332	ug/l	97
47) Bromodichloromethane	9.39	83	65045	19.752	ug/l	99
48) Methyl methacrylate	9.18	41	45725	21.137	ug/l	93
49) 1,4-Dioxane	9.18	88	14071	380.685	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	298935	107.112	ug/l	98
52) Toluene	10.14	92	115566	19.466	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	76137	20.483	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	81392	20.795	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	45964	19.845	ug/l	99
56) Ethyl methacrylate	10.42	69	68049	20.769	ug/l	95
57) 1,3-Dichloropropane	10.70	76	77242	20.211	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	167733	109.889	ug/l	95
59) 2-Hexanone	10.74	43	217153	100.727	ug/l	97
60) Dibromochloromethane	10.89	129	47017	17.690	ug/l	99
61) 1,2-Dibromoethane	11.00	107	45283	18.651	ug/l	97
64) Tetrachloroethene	10.62	164	55242	23.222	ug/l	99
65) Chlorobenzene	11.43	112	122589	19.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	47099	19.529	ug/l	98
67) Ethyl Benzene	11.51	91	227254	19.764	ug/l	100
68) m/p-Xylenes	11.62	106	170583	39.528	ug/l	99
69) o-Xylene	11.94	106	82699	19.903	ug/l	100
70) Styrene	11.96	104	131861	19.679	ug/l	98
71) Bromoform	12.12	173	32132	16.565	ug/l #	98
73) Isopropylbenzene	12.25	105	220452	18.966	ug/l	100
74) N-amyl acetate	12.07	43	94181	22.470	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59603	17.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	60857m	20.435	ug/l	
77) Bromobenzene	12.52	156	54005	18.722	ug/l	96
78) n-propylbenzene	12.59	91	261040	19.712	ug/l	98
79) 2-Chlorotoluene	12.67	91	151323	19.441	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	188848	19.541	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	23051	18.952	ug/l #	81
82) 4-Chlorotoluene	12.77	91	157365	19.705	ug/l	98
83) tert-Butylbenzene	12.99	119	161974	18.946	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	189594	19.874	ug/l	99
85) sec-Butylbenzene	13.17	105	216388	19.112	ug/l	100
86) p-Isopropyltoluene	13.29	119	197647	19.267	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	97785	19.151	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	97944	19.186	ug/l	98
89) n-Butylbenzene	13.61	91	182202	20.193	ug/l	99
90) Hexachloroethane	13.87	117	26977	14.076	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94007	18.813	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12913	17.653	ug/l	94

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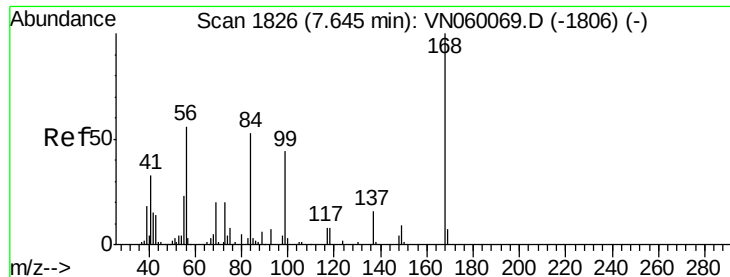
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63541	21.641	ug/l	99
94) Hexachlorobutadiene	15.01	225	29445	17.130	ug/l	98
95) Naphthalene	15.13	128	188113	23.718	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	62075	21.230	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion:168 Resp: 211410

Ion Ratio Lower Upper

168 100

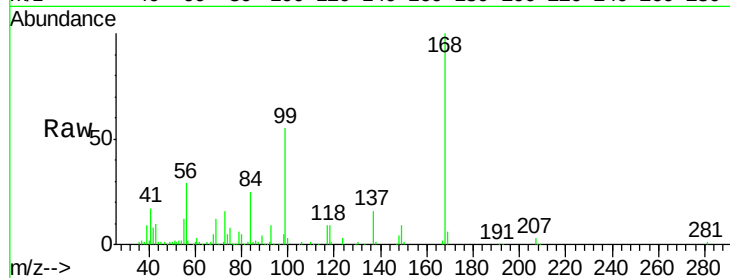
99 55.0 42.7 64.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

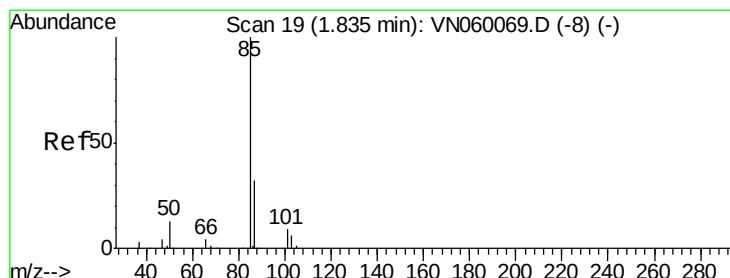
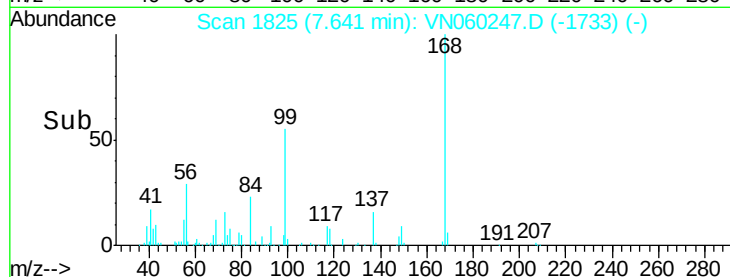
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.971 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060247.D

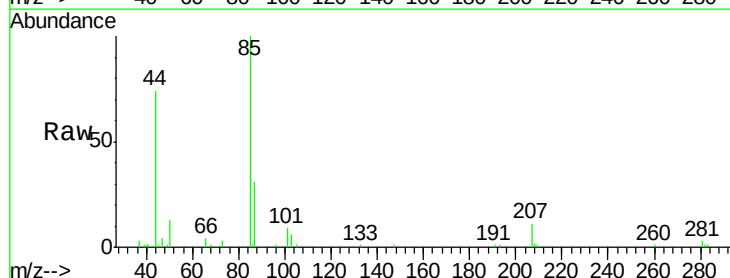
Acq: 26 Feb 2020 13:28

Tgt Ion: 85 Resp: 40088

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

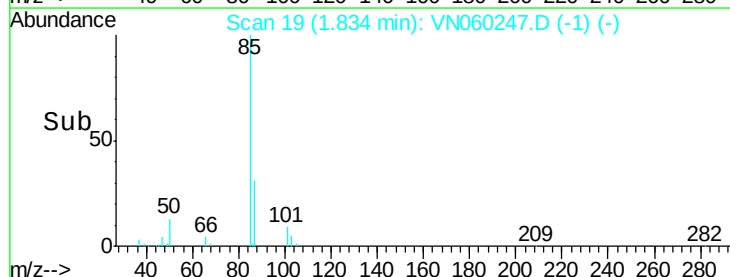
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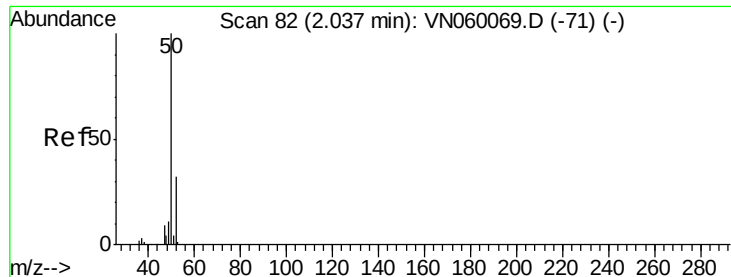
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 26.936 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 50 Resp: 67738

Ion Ratio Lower Upper

50 100

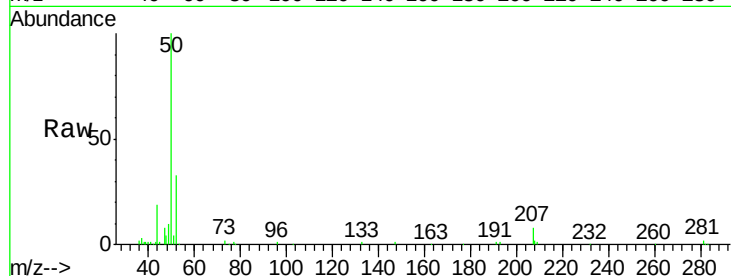
52 33.2 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

60000

50000

40000

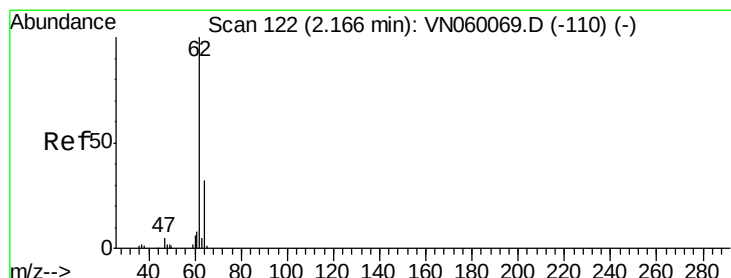
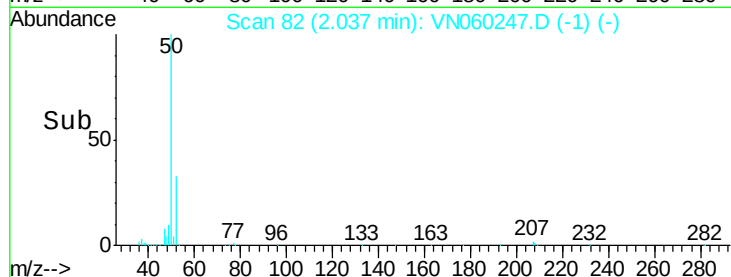
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 19.640 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060247.D

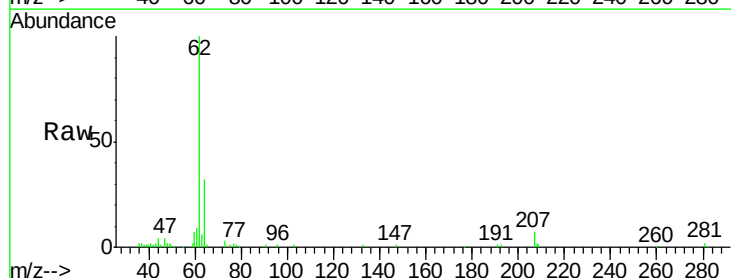
Acq: 26 Feb 2020 13:28

Tgt Ion: 62 Resp: 56296

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

40000

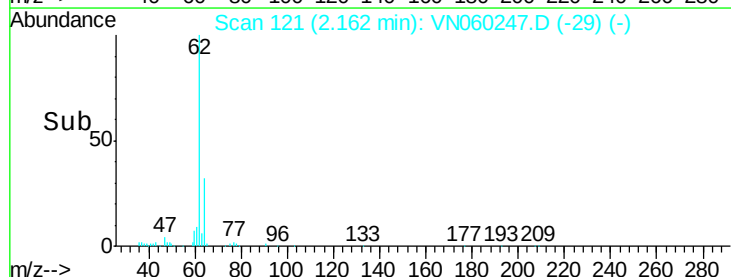
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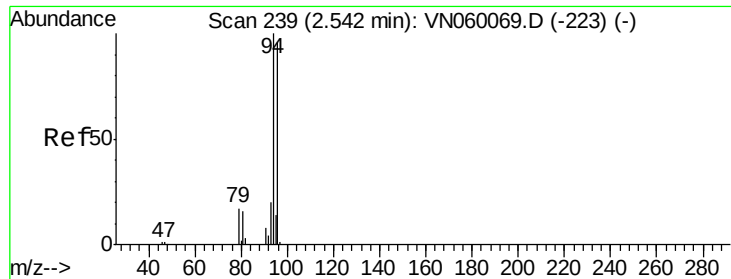
20000

10000

0

Time-->





#5

Bromomethane

Concen: 12.128 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 94 Resp: 21317

Ion Ratio Lower Upper

94 100

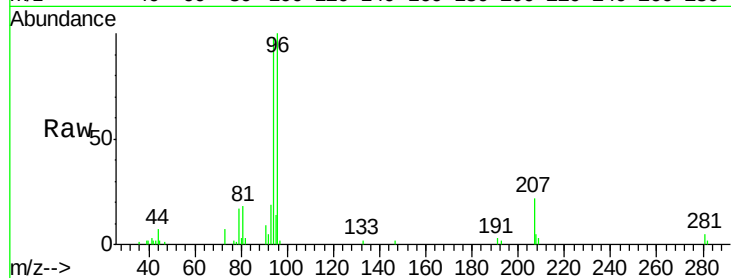
96 99.7 76.7 115.1

Manual Integrations

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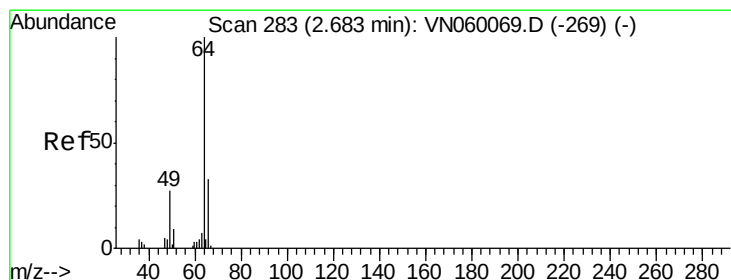
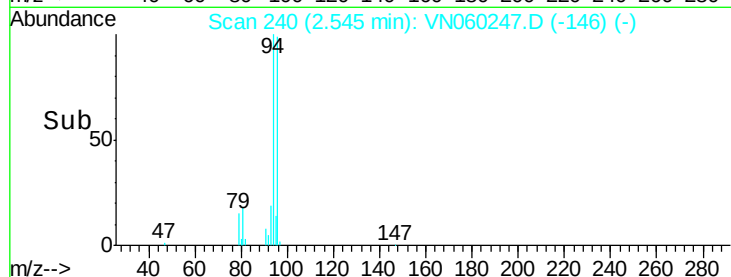
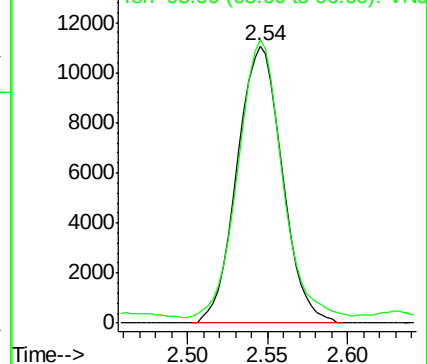
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.743 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060247.D

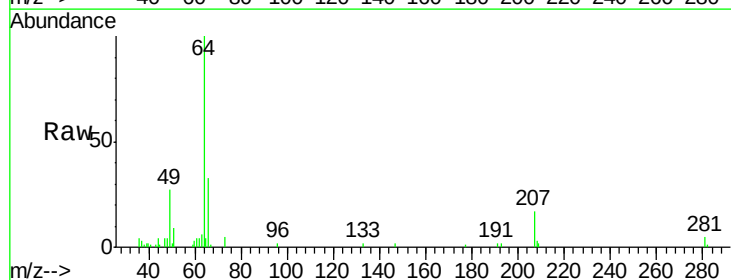
Acq: 26 Feb 2020 13:28

Tgt Ion: 64 Resp: 30073

Ion Ratio Lower Upper

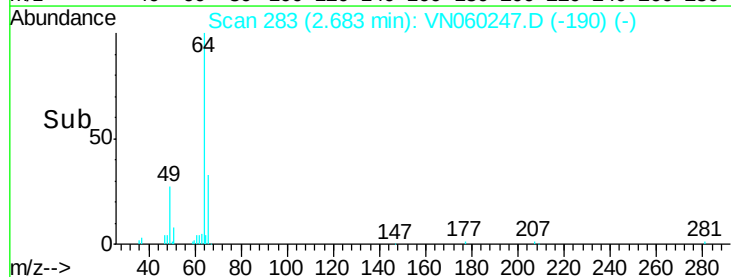
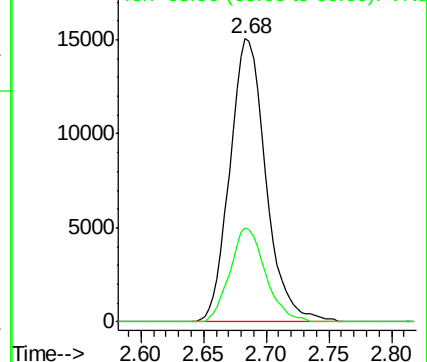
64 100

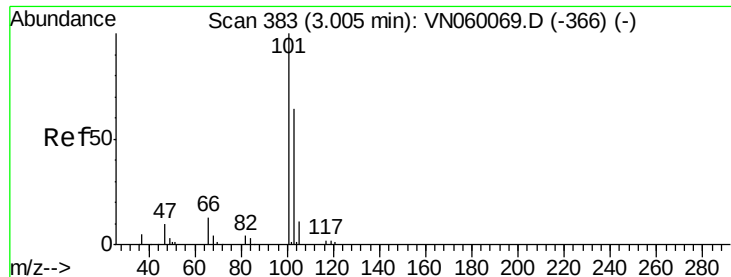
66 33.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

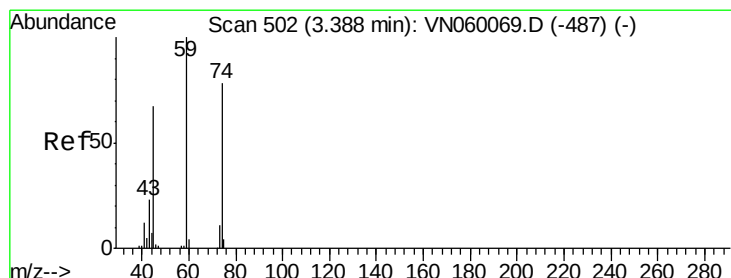
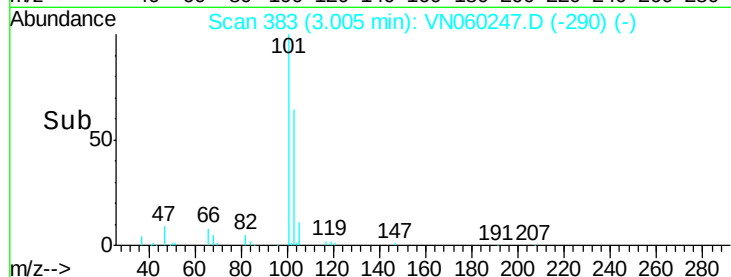
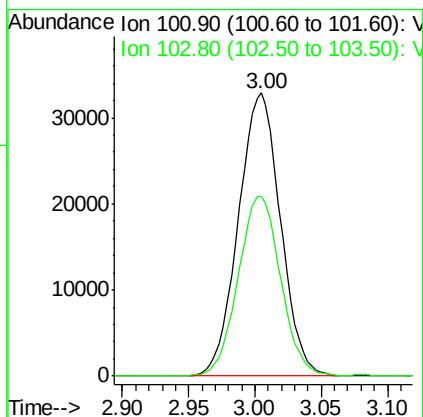
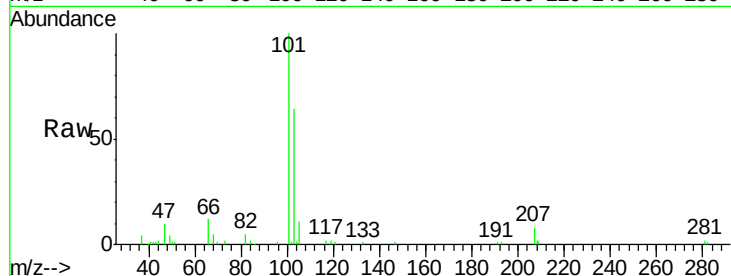
Trichlorofluoromethane
Concen: 19.616 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.0	76.6

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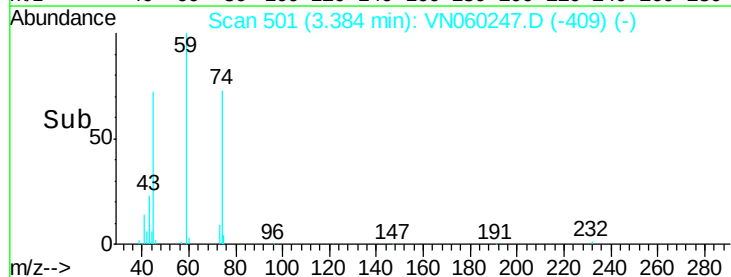
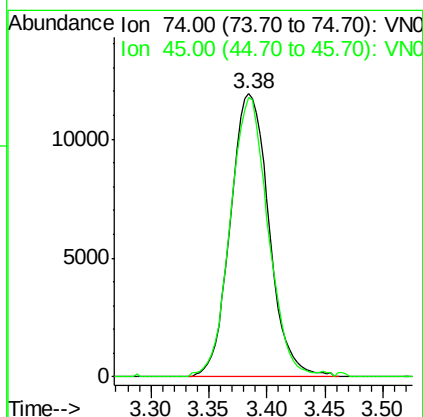
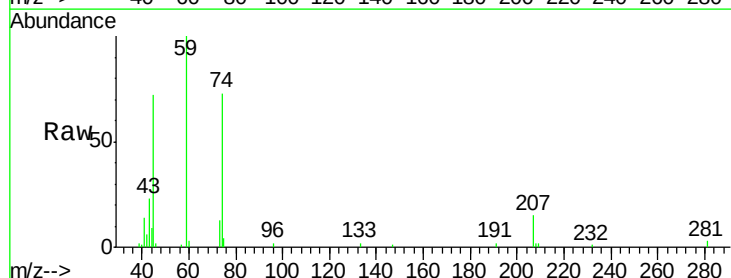
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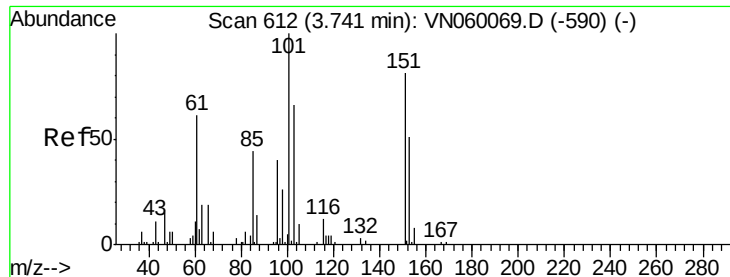


#8

Diethyl Ether
Concen: 22.344 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	44.7	134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.180 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060247.D

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Instrument :

MSVOA_N

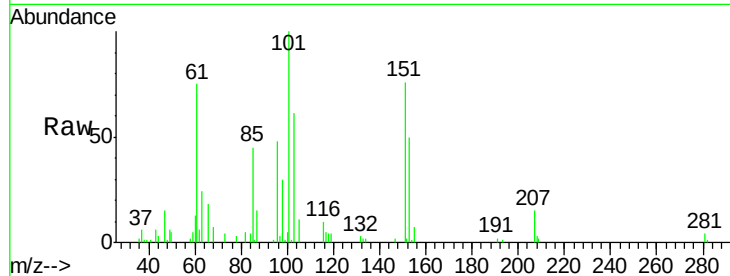
ClientSampleId :

VN0226WBS01

Tot Ion:	101	Resp:	41405
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.1	52.7
151	78.7	65.8	98.6

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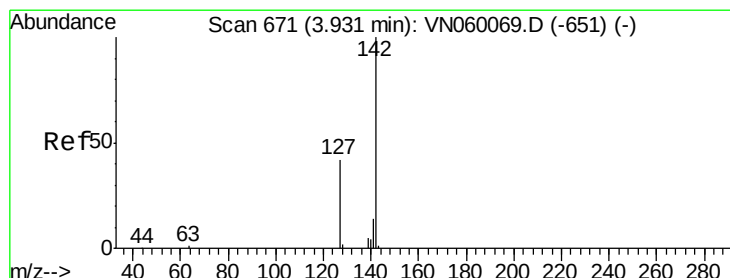
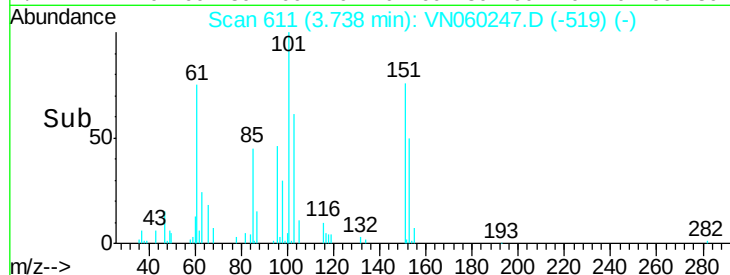
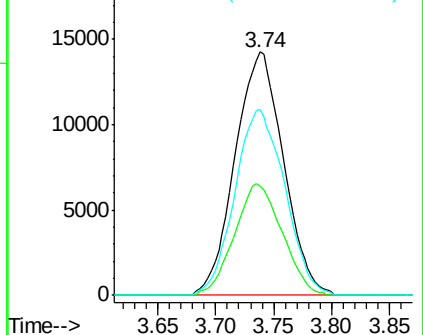
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN060247.D (-519) (-)

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.938 ug/l

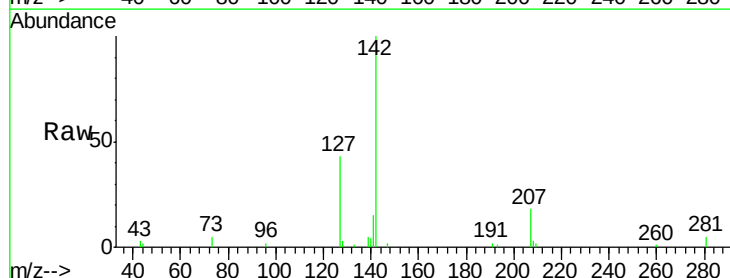
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

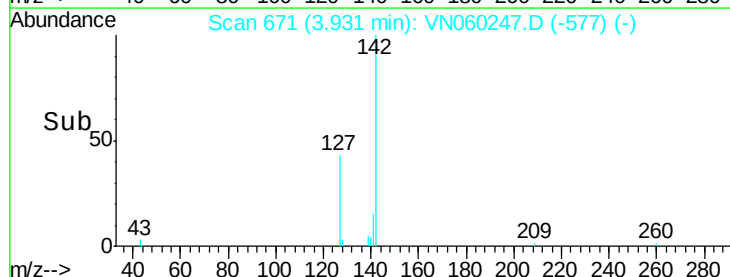
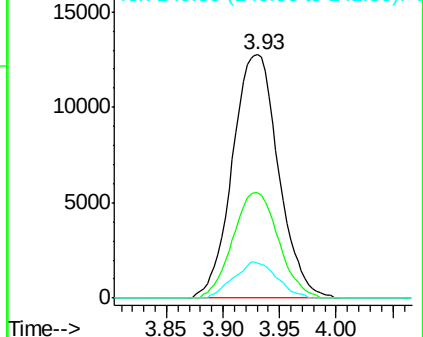
Tgt Ion:	142	Resp:	36125
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.6	50.4
141	14.0	11.4	17.2

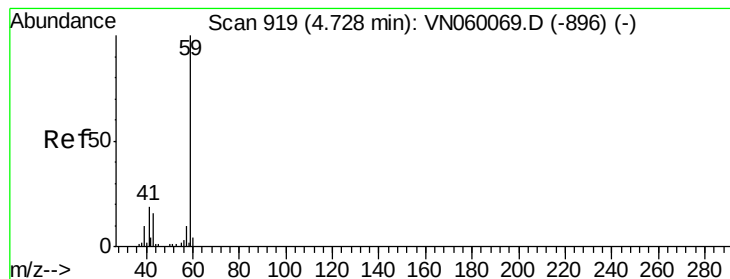


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

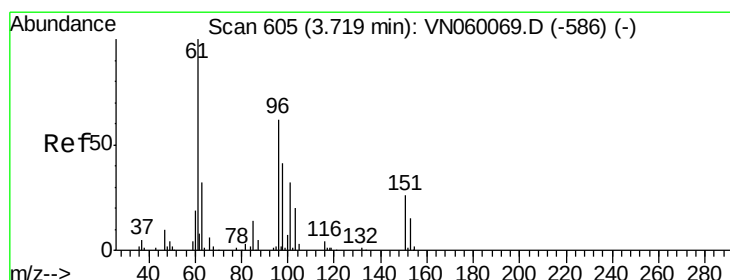
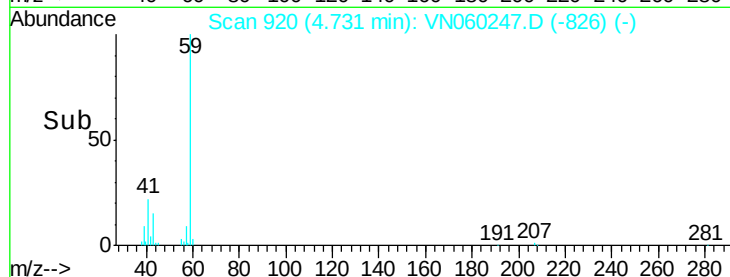
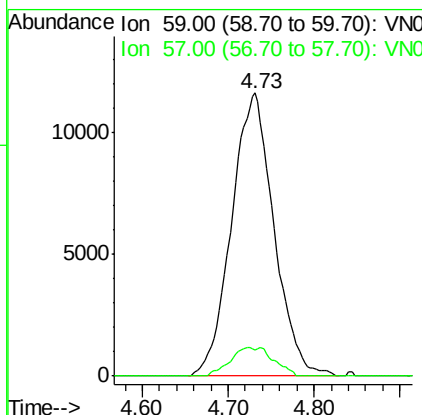
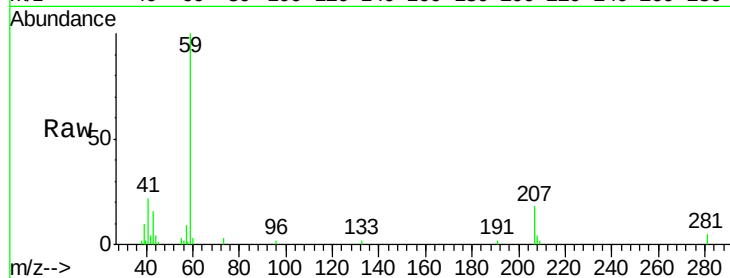
Tert butyl alcohol
Concen: 103.325 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.2	12.4#

Manual Integrations
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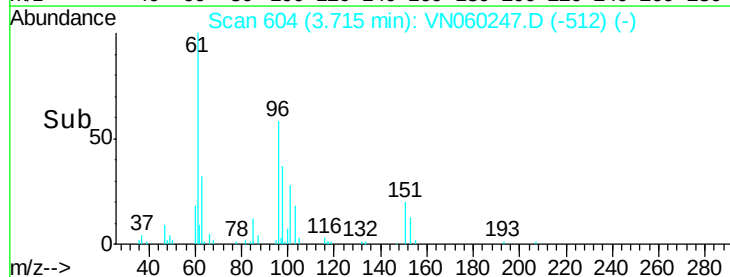
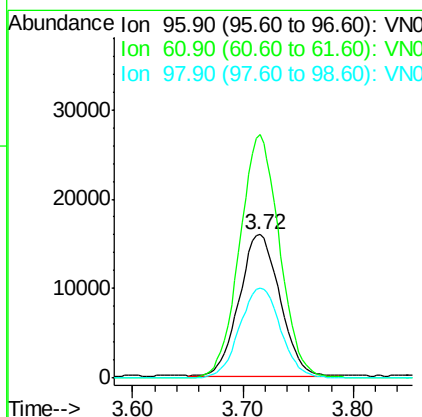
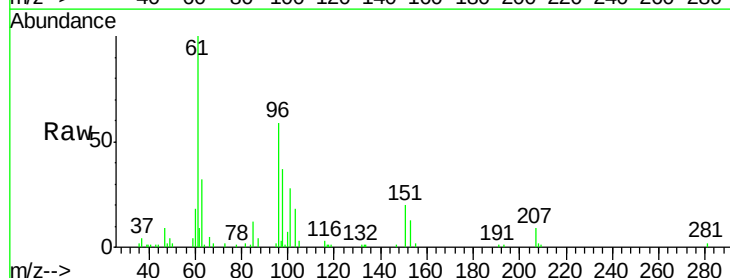
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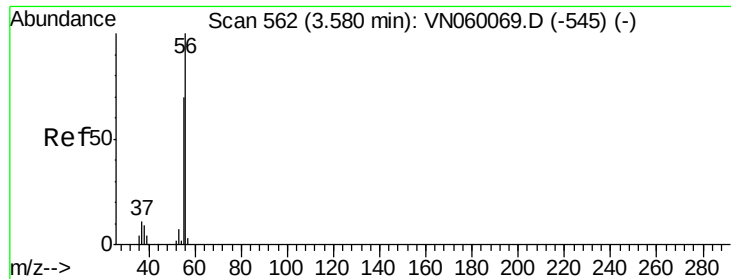


#12

1,1-Dichloroethene
Concen: 20.181 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.5	128.3	192.5
98	63.8	52.2	78.4





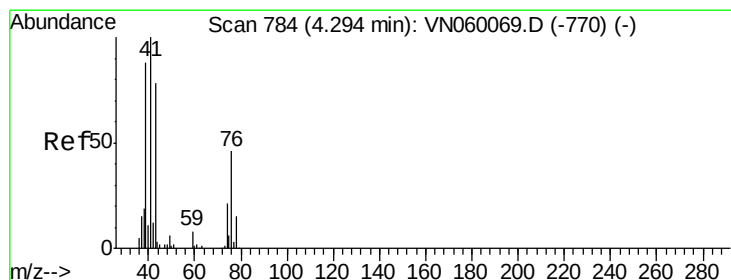
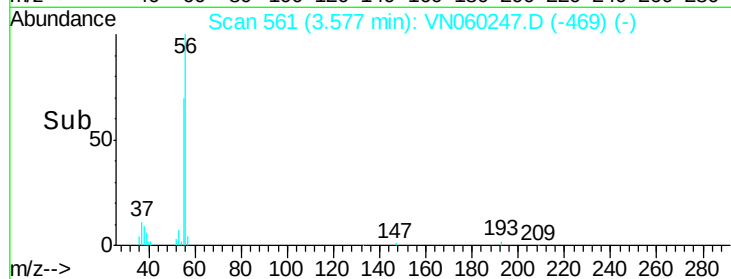
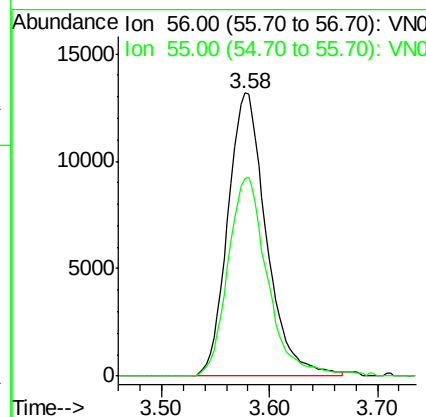
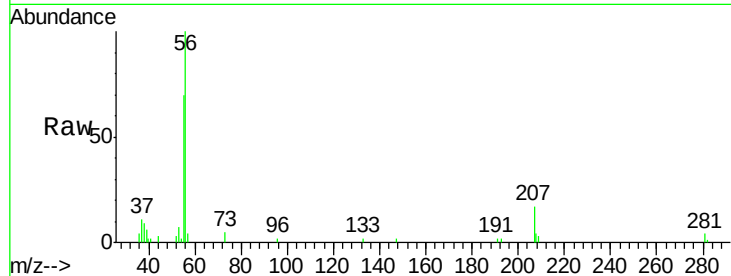
#13
Acrolein
Concen: 86.192 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tot Ion	56	Resp	32797
Ion Ratio	100	Lower	Upper
55	71.5	54.8	82.2

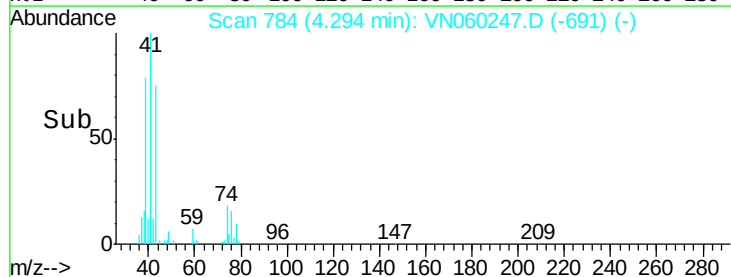
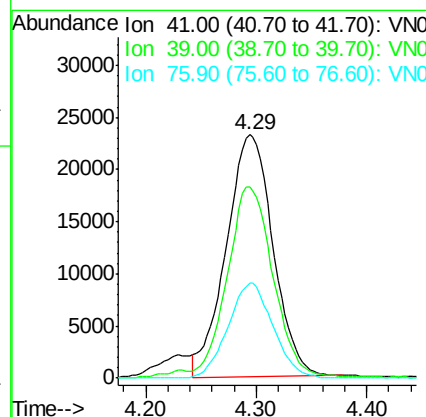
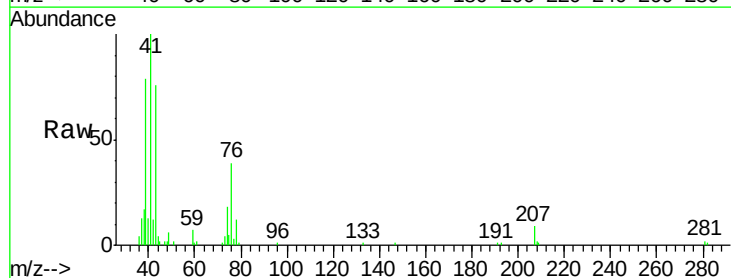
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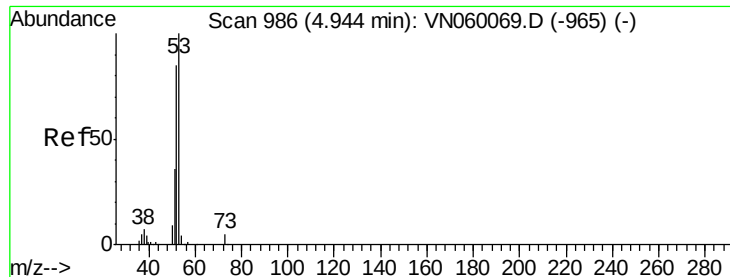
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#14
Allyl chloride
Concen: 23.132 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	41	Resp	68054
Ion Ratio	100	Lower	Upper
39	76.7	67.8	101.8
76	37.8	33.9	50.9





#15

Acrylonitrile

Concen: 113.475 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

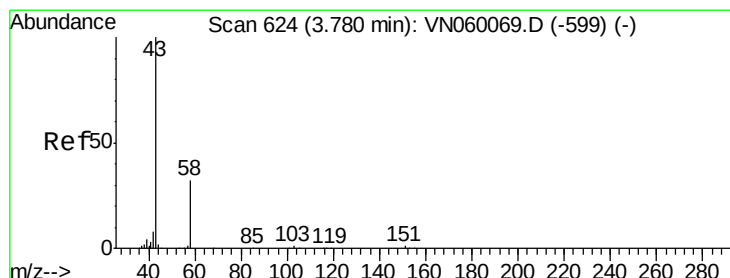
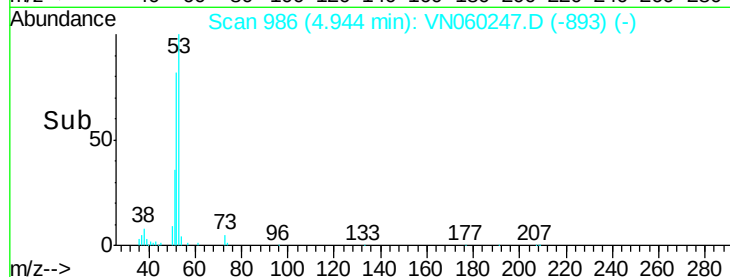
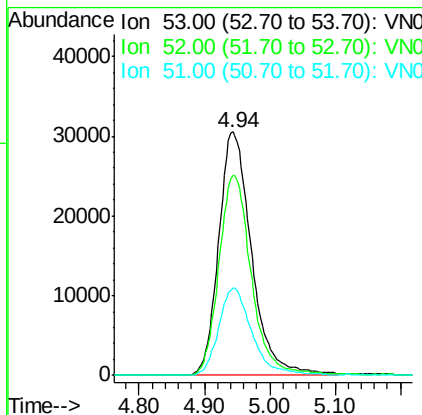
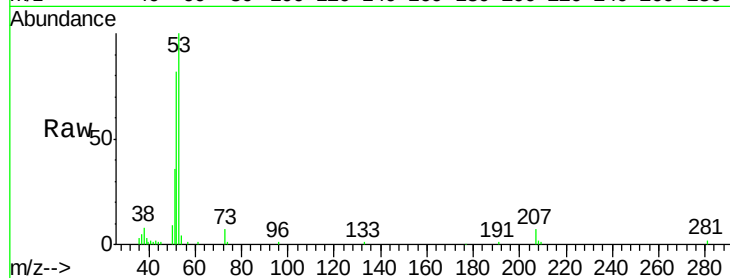
ClientSampleId :

VN0226WBS01

Tot Ion:	53	Resp:	106681
Ion Ratio	Lower	Upper	
53	100		
52	80.0	66.8	100.2
51	36.3	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 73.353 ug/l

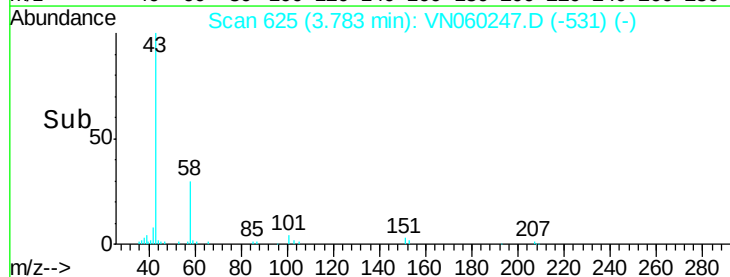
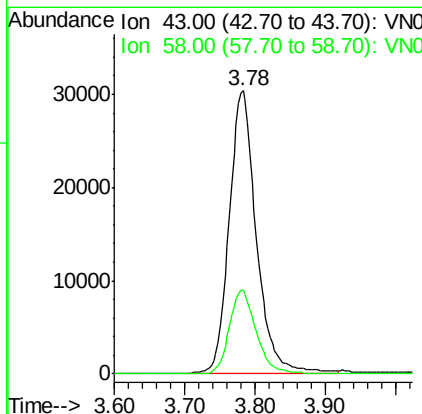
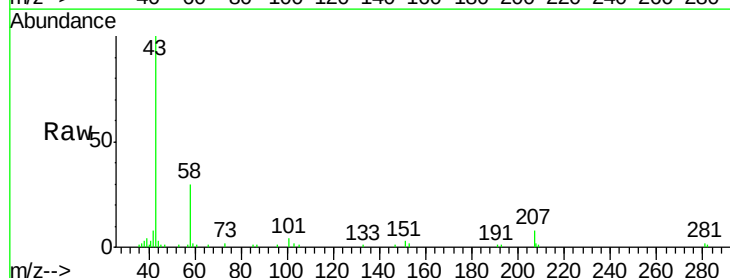
RT: 3.78 min Scan# 625

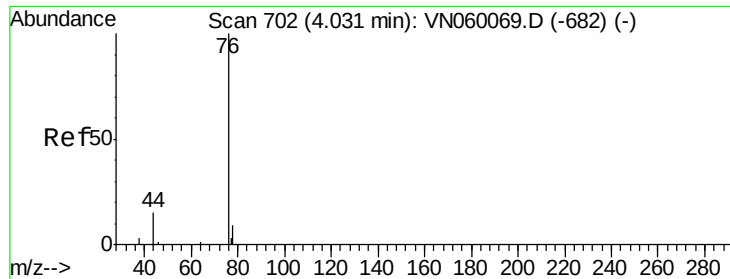
Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	43	Resp:	82310
Ion Ratio	Lower	Upper	
43	100		
58	29.7	25.2	37.8





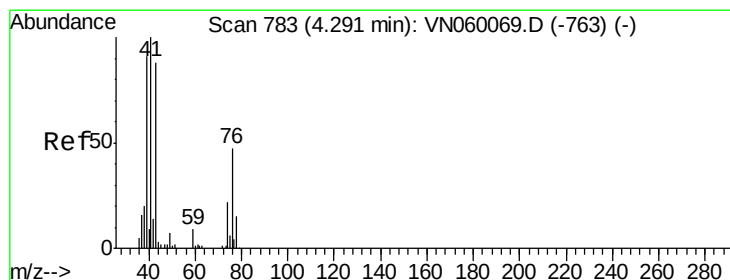
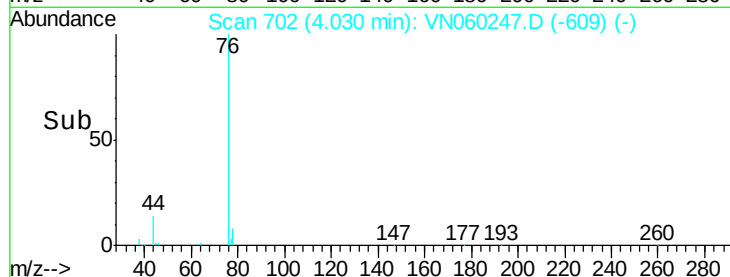
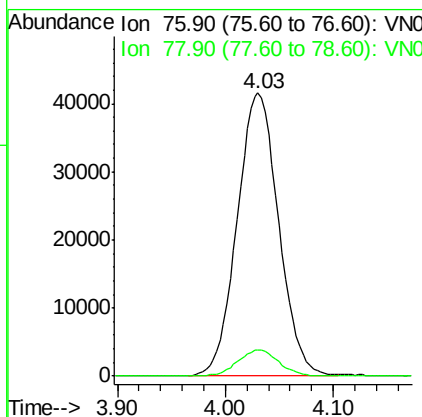
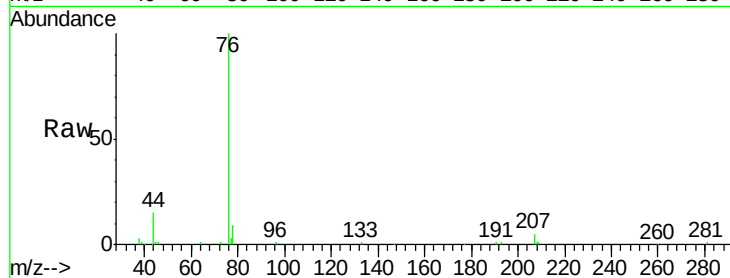
#17
Carbon Disulfide
Concen: 18.389 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	76	Resp	110788
Ion Ratio	Lower	Upper	
76	100		
78	9.4	7.0	10.6

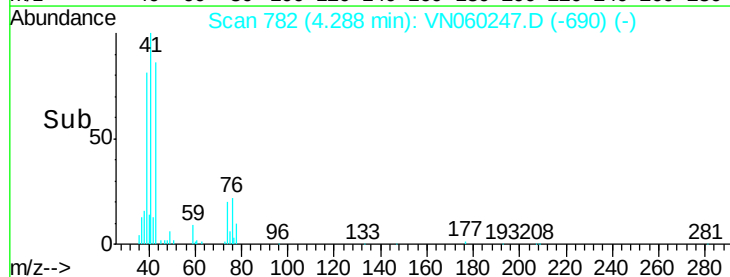
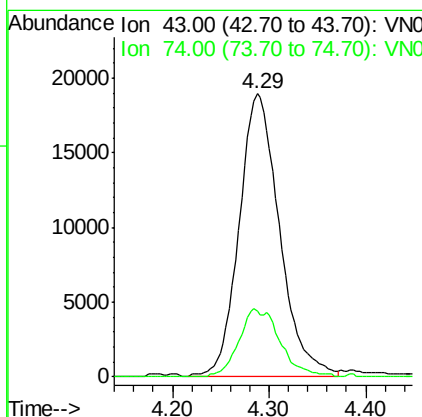
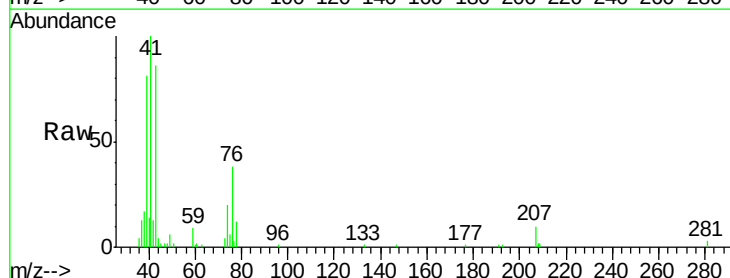
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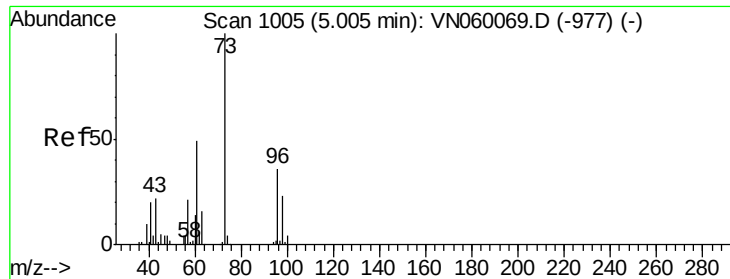
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#18
Methyl Acetate
Concen: 26.168 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	43	Resp	55160
Ion Ratio	Lower	Upper	
43	100		
74	24.5	20.3	30.5





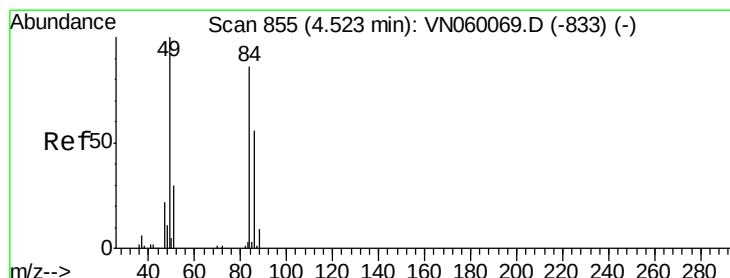
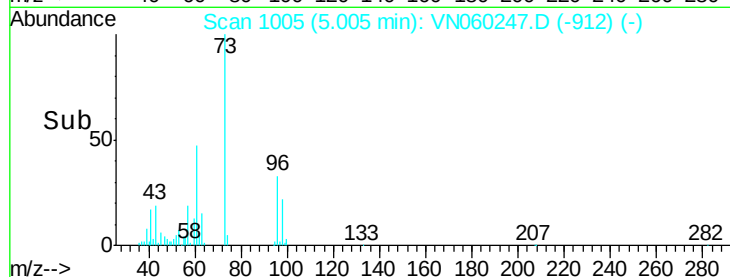
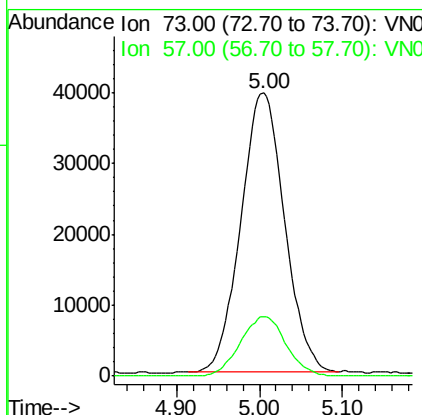
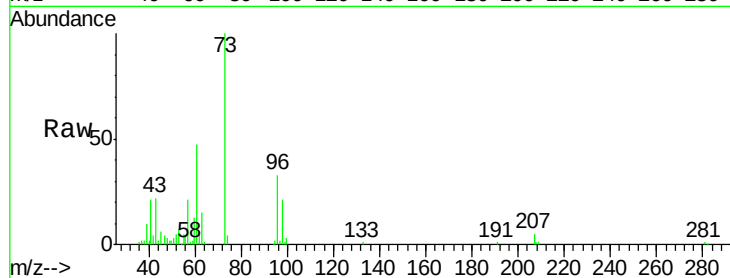
#19
Methvl tert-butyl Ether
Concen: 21.504 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion: 73 Resp: 144544
Ion Ratio Lower Upper
73 100
57 21.3 17.2 25.8

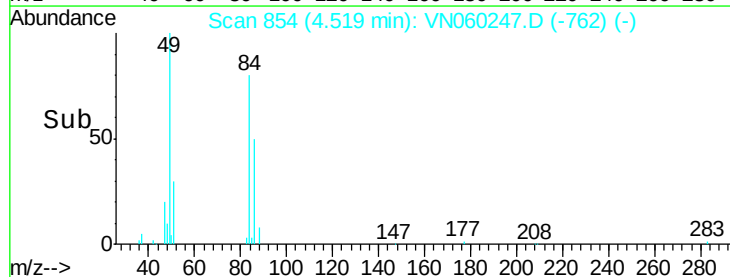
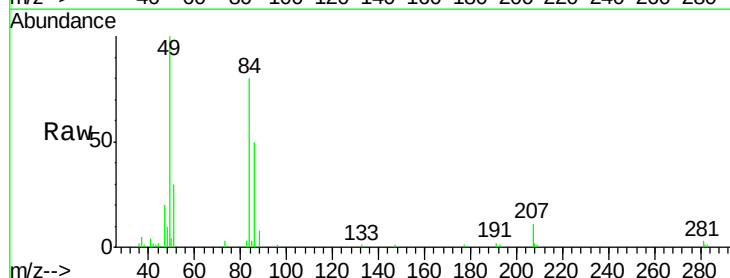
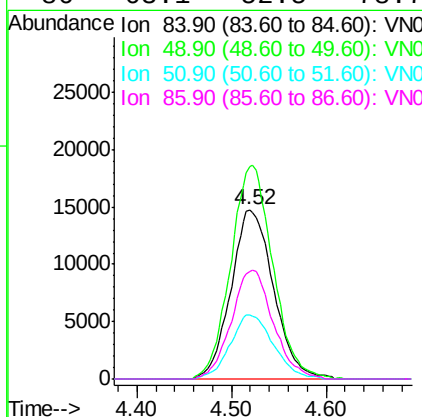
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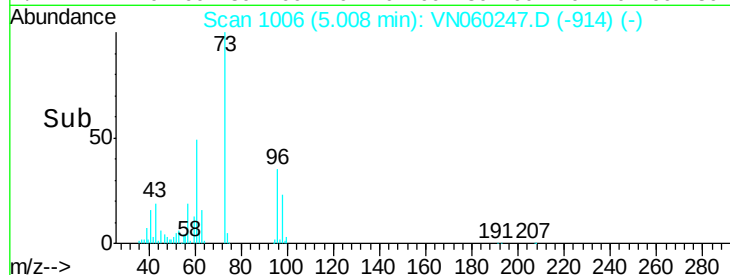
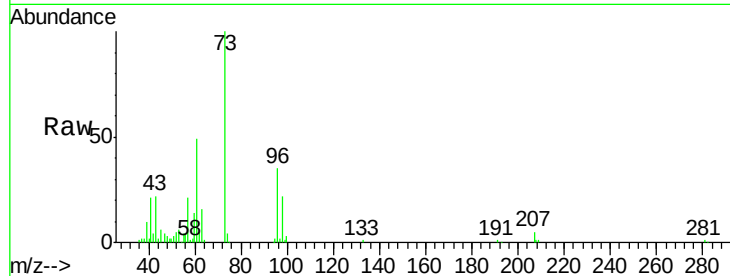
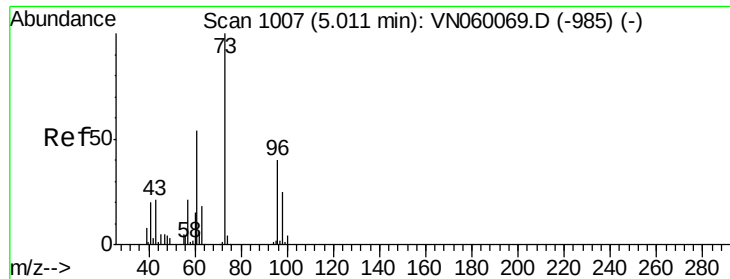
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#20
Methylene Chloride
Concen: 20.642 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion: 84 Resp: 46210
Ion Ratio Lower Upper
84 100
49 125.7 93.4 140.0
51 37.6 28.4 42.6
86 63.1 52.5 78.7





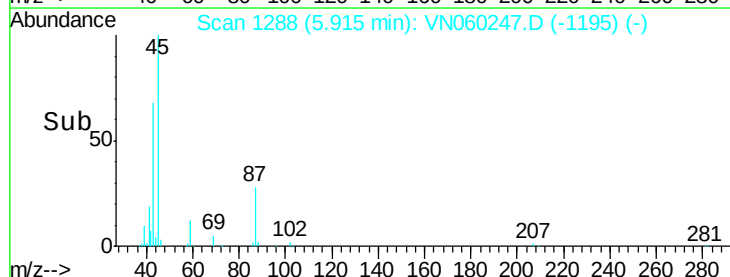
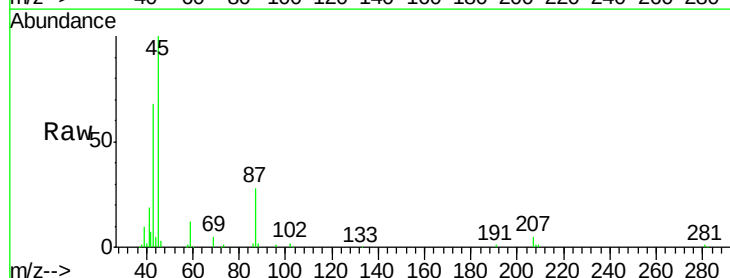
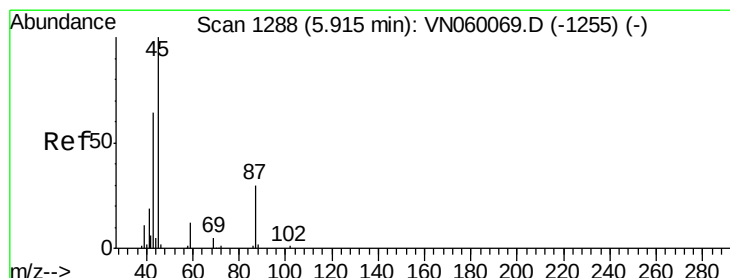
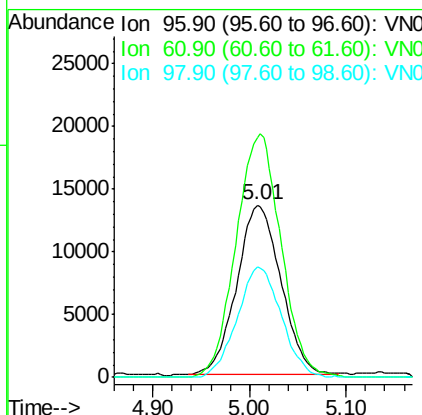
#21
trans-1,2-Dichloroethene
Concen: 19.731 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	109.3	163.9
98	65.1	51.0	76.6

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

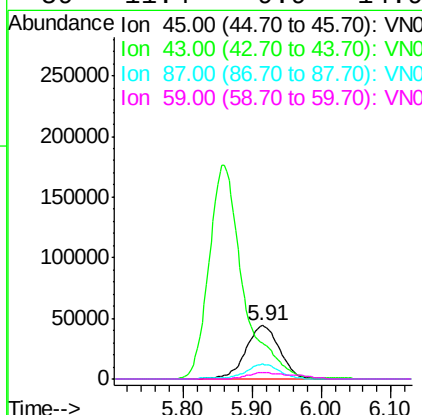
Manual Integrations
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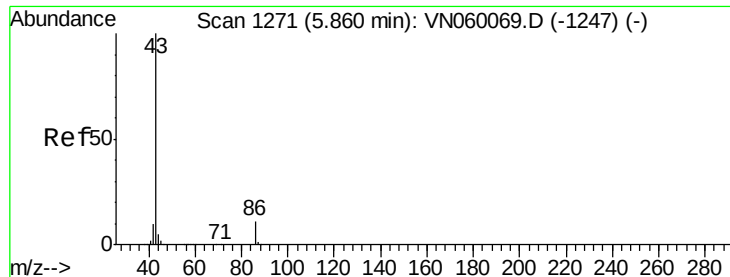
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2/27/2020 9:40:51 AM



#22
Diisopropyl ether
Concen: 23.204 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.3	55.9	83.9
87	27.8	24.5	36.7
59	11.4	9.9	14.9





#23

Vinyl Acetate

Concen: 111.180 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 43 Resp: 601978

Ion Ratio Lower Upper

43 100

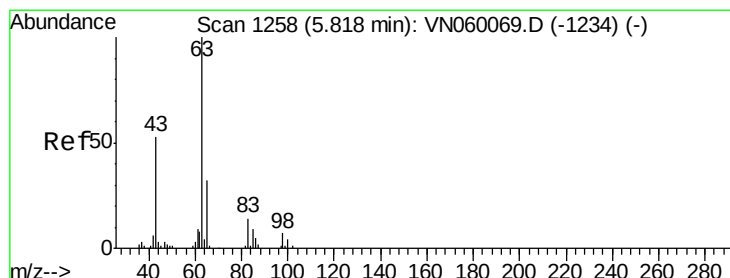
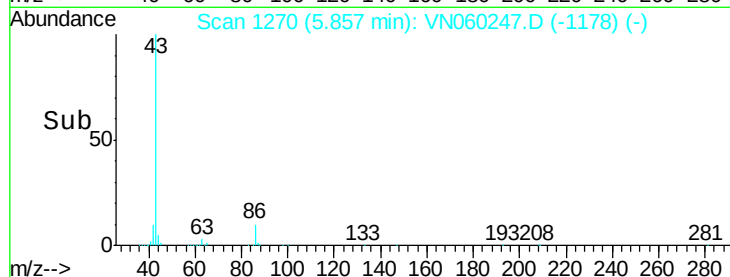
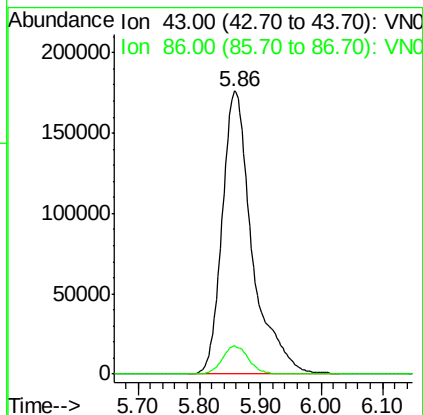
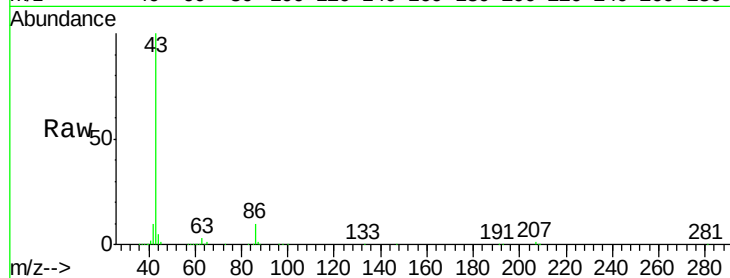
86 9.9 8.9 13.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.891 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

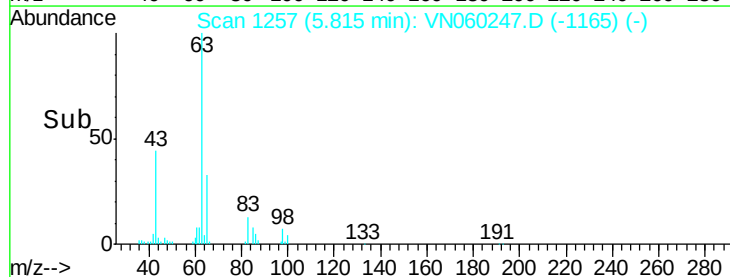
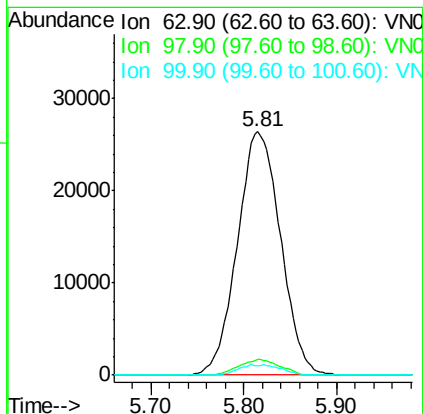
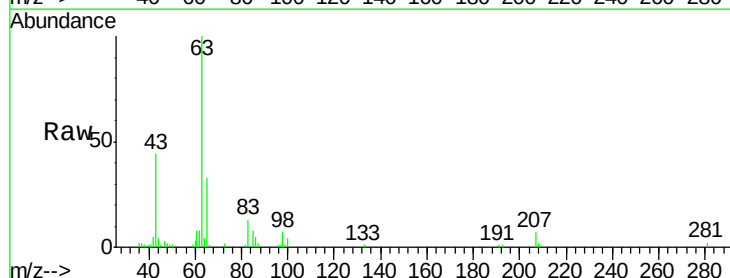
Tgt Ion: 63 Resp: 85501

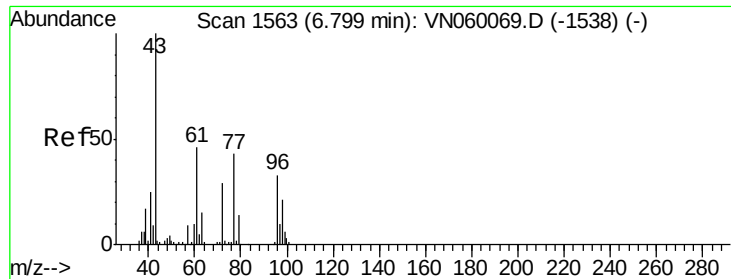
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 3.9 2.2 6.6





#25

2-Butanone

Concen: 95.994 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 43 Resp: 135472

Ion Ratio Lower Upper

43 100

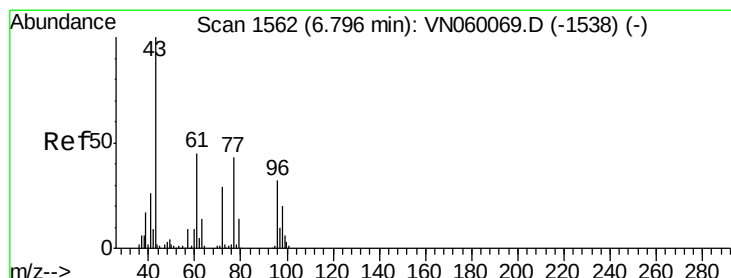
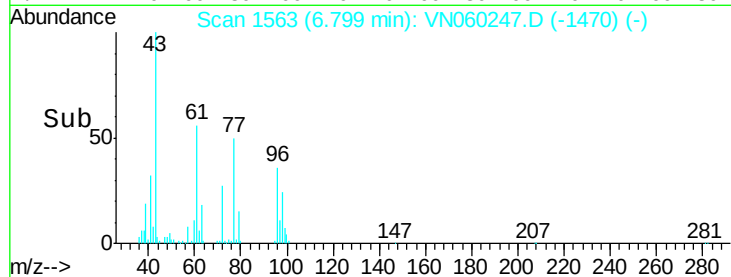
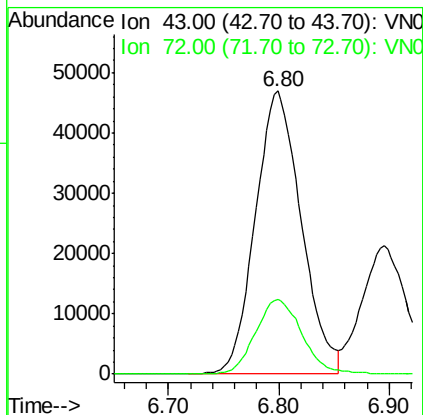
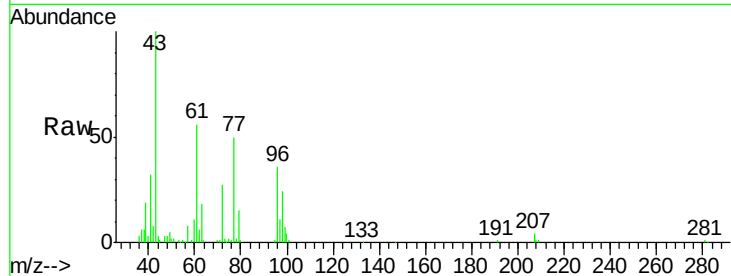
72 26.6 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.518 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060247.D

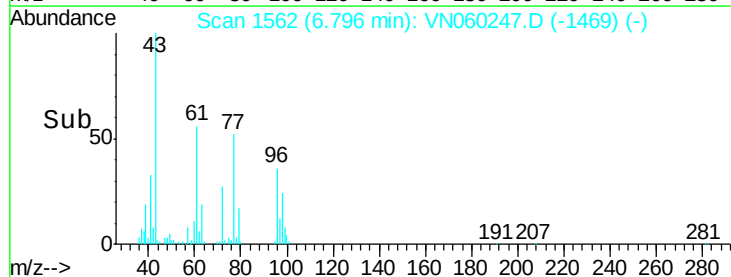
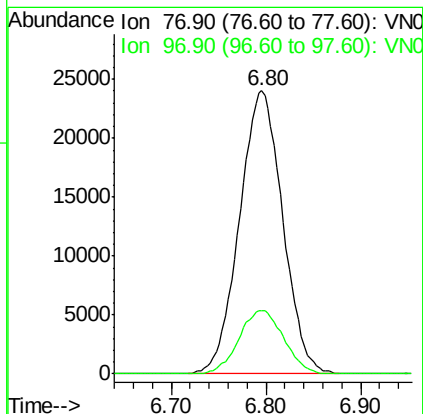
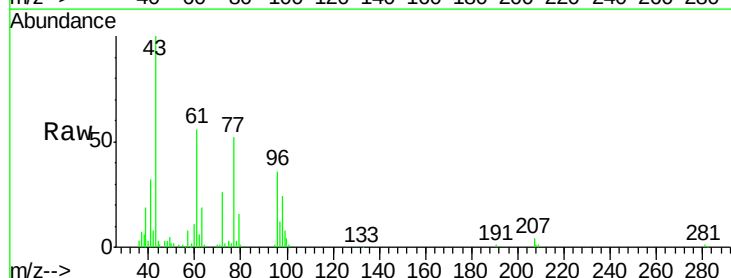
Acq: 26 Feb 2020 13:28

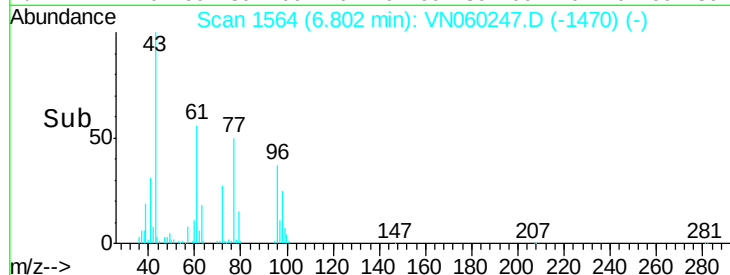
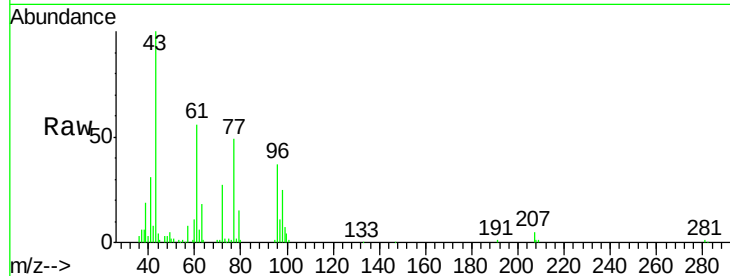
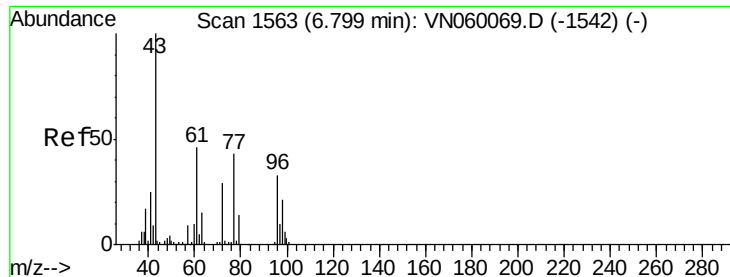
Tgt Ion: 77 Resp: 76117

Ion Ratio Lower Upper

77 100

97 23.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.086 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tot Ion:	96	Resp:	51219
Ion	Ratio	Lower	Upper
96	100		
61	149.2	0.0	285.8
98	63.9	0.0	129.6

Instrument :

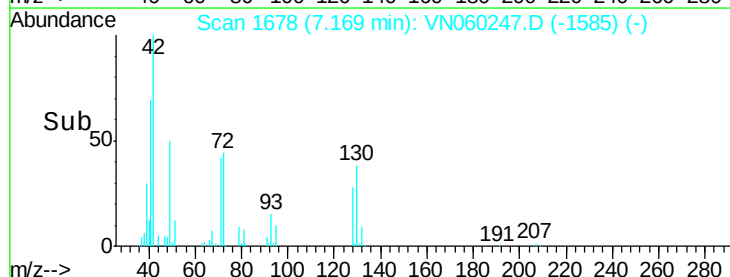
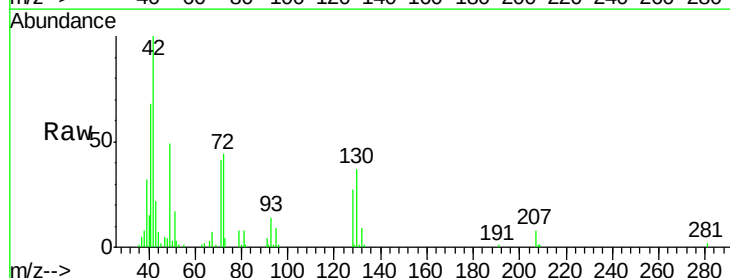
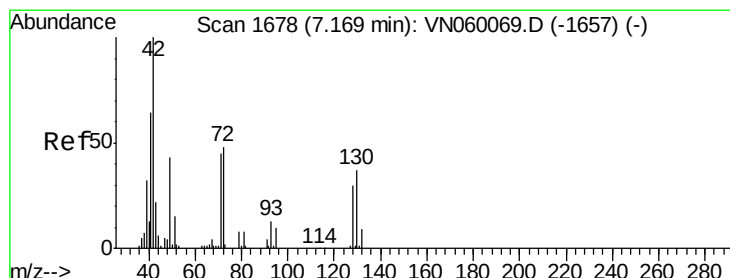
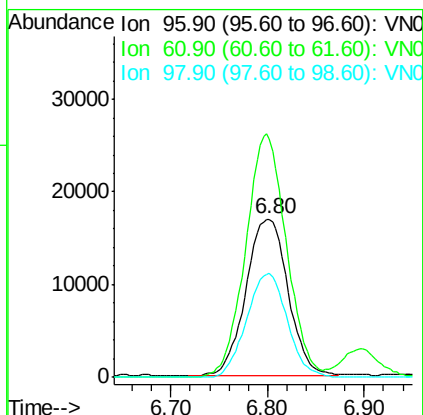
MSVOA_N

ClientSampled :

VN0226WBS01

Manual Integrations
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2/27/2020 9:40:51 AM



#28

Bromochloromethane

Concen: 23.542 ug/l

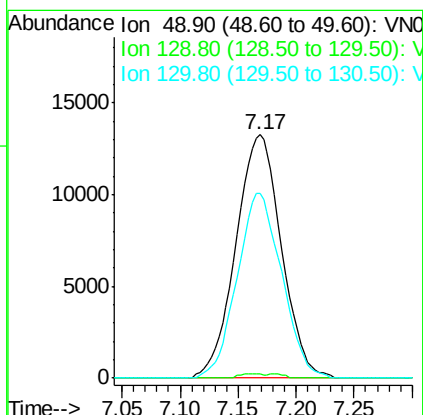
RT: 7.17 min Scan# 1678

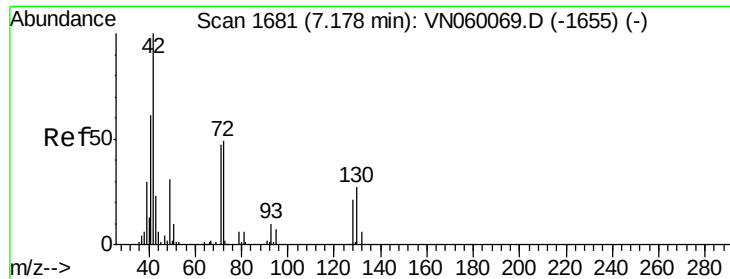
Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	49	Resp:	36150
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.2
130	74.6	66.8	100.2





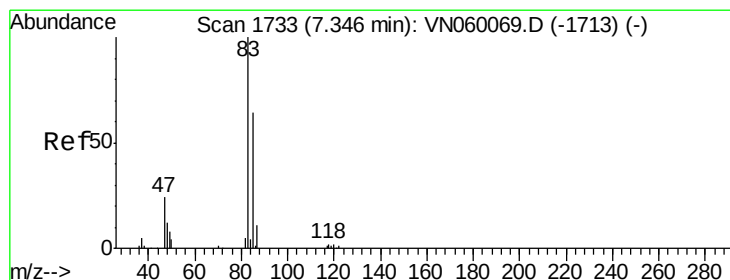
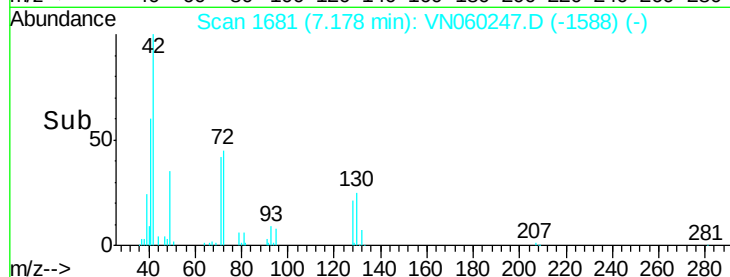
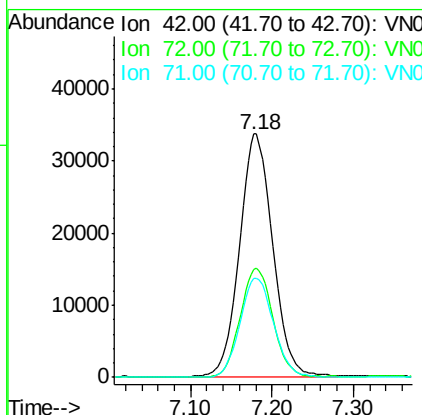
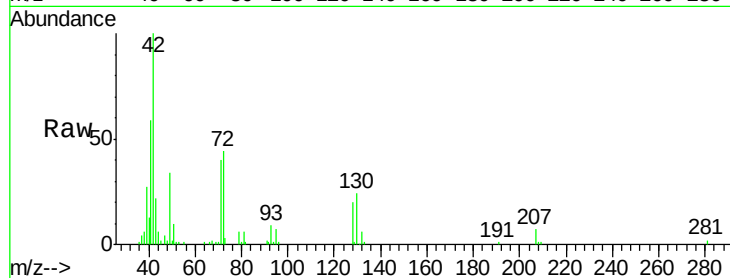
#29
Tetrahydrofuran
Concen: 110.408 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	38.2	57.4
71	40.8	36.6	54.8

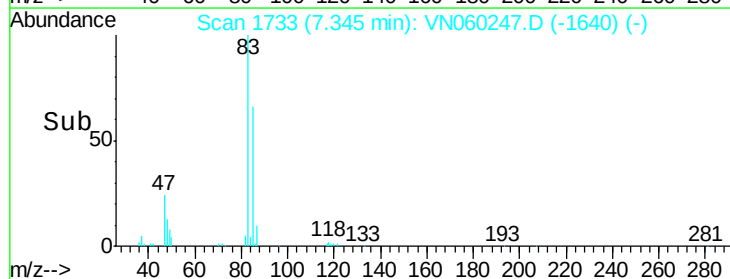
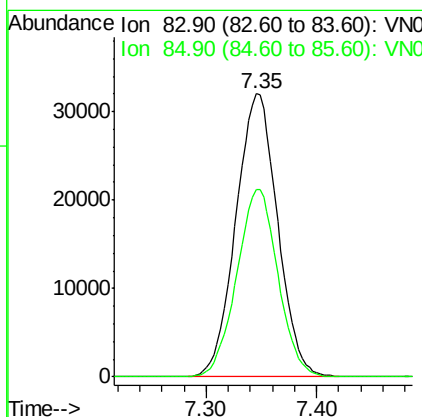
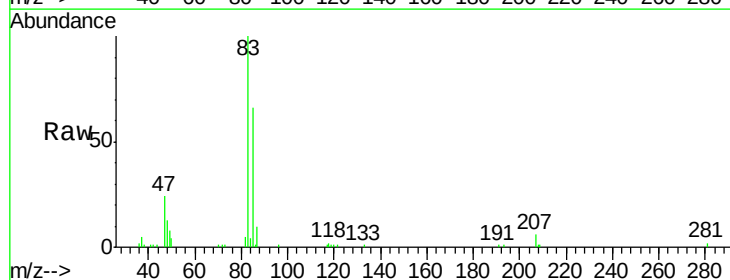
Manual Integrations
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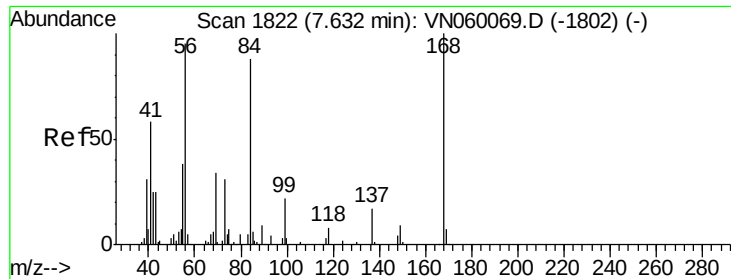
MMDadoda
2/27/2020 9:40:51 AM



#30
Chloroform
Concen: 20.463 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.0





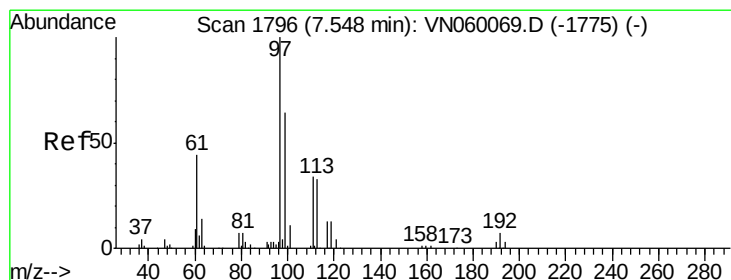
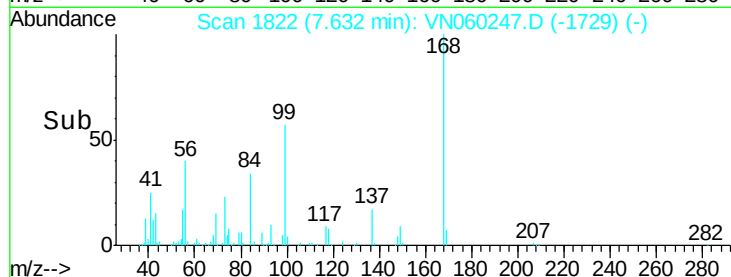
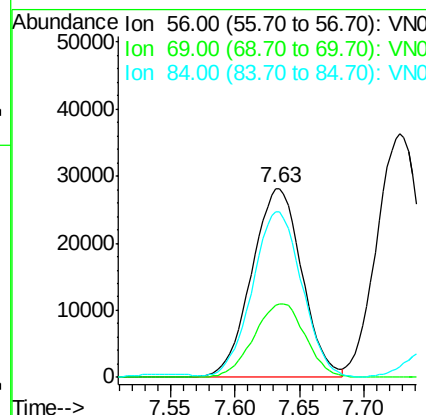
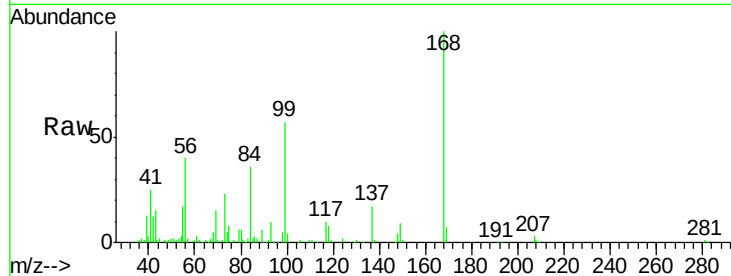
#31
Cyclohexane
Concen: 20.974 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	56	Resp	76311
Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.3	42.5
84	86.7	72.6	108.8

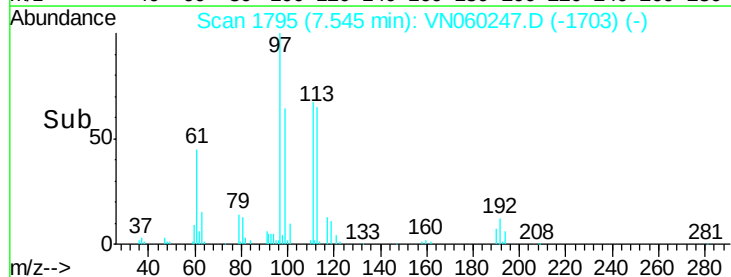
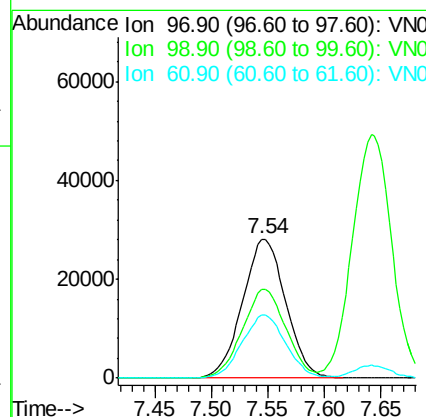
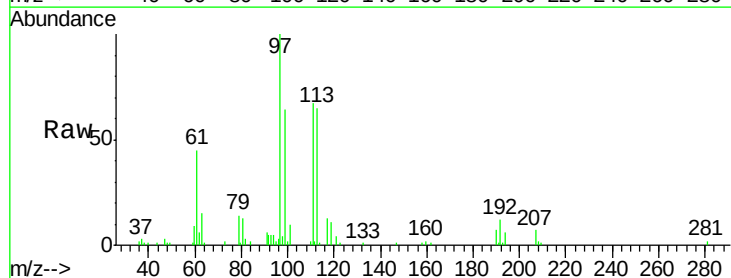
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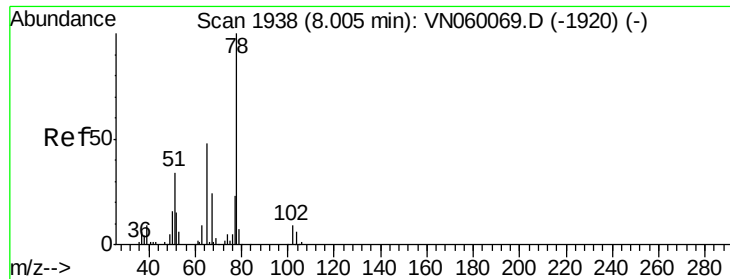
MMDadoda
2/27/2020 9:40:51 AM



#32
1,1,1-Trichloroethane
Concen: 19.977 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	97	Resp	74693
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	45.8	34.9	52.3





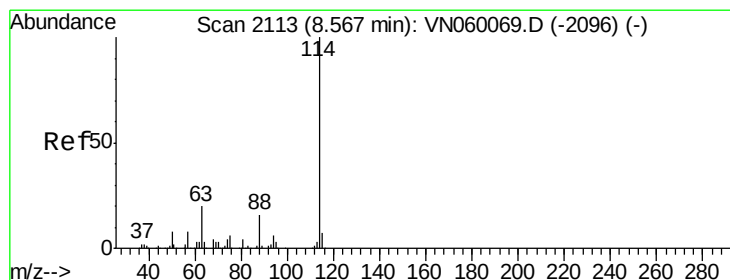
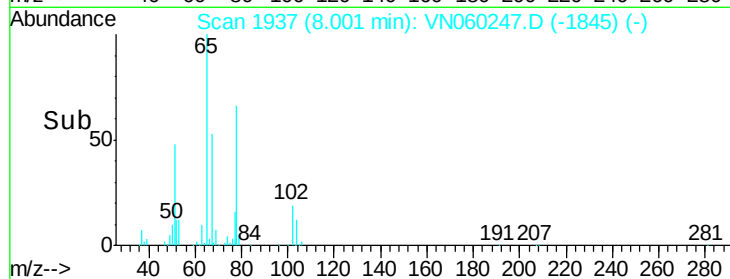
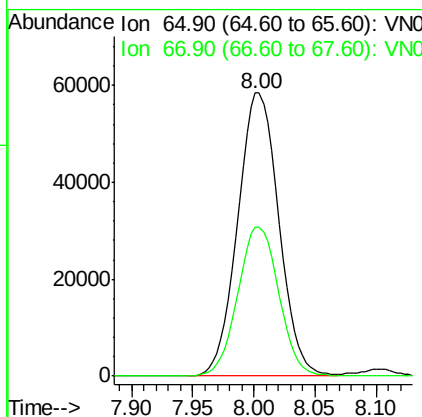
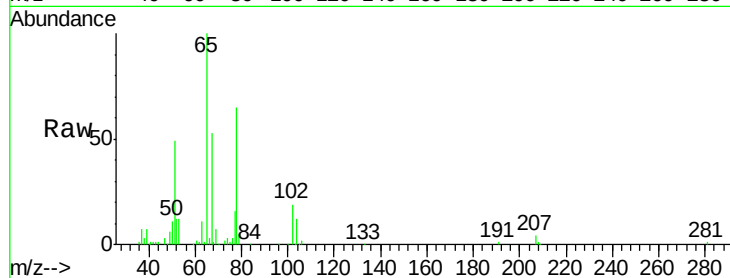
#33
 1,2-Dichloroethane-d4
 Concen: 53.106 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	104.0	

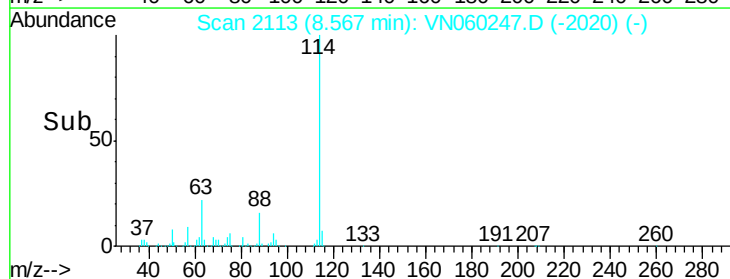
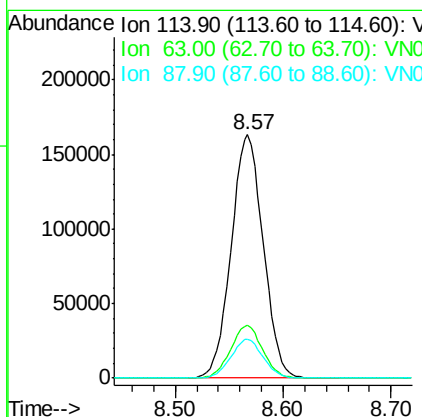
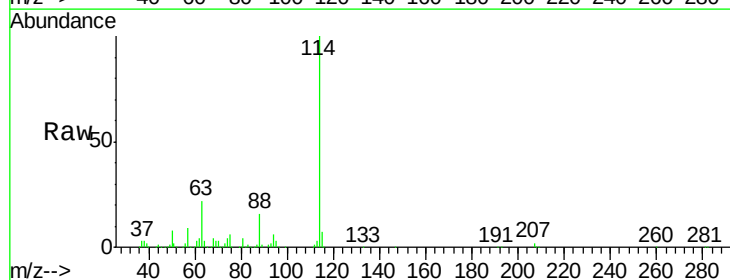
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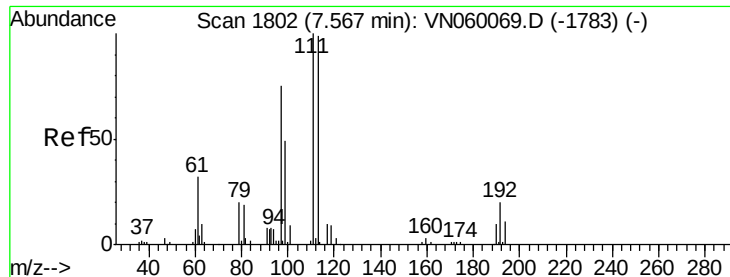
MMDadoda
 2/27/2020 9:40:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	40.0	
88	16.0	0.0	31.6	





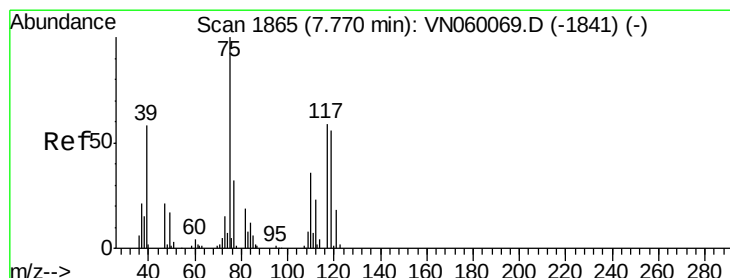
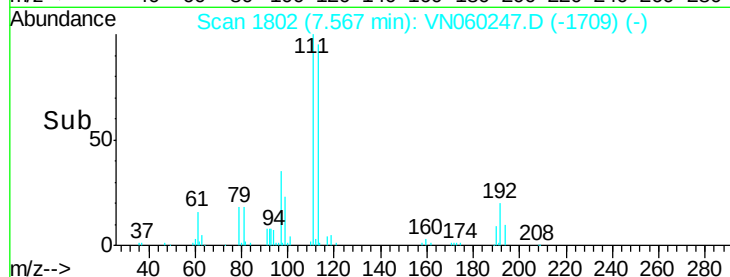
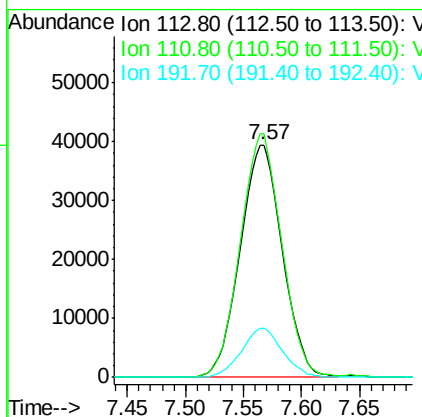
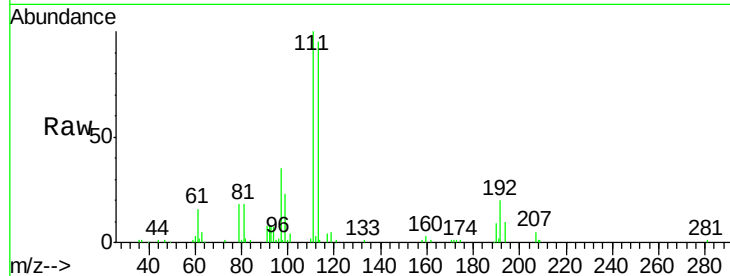
#35
 Dibromofluoromethane
 Concen: 48.176 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	20.6	16.2	24.2

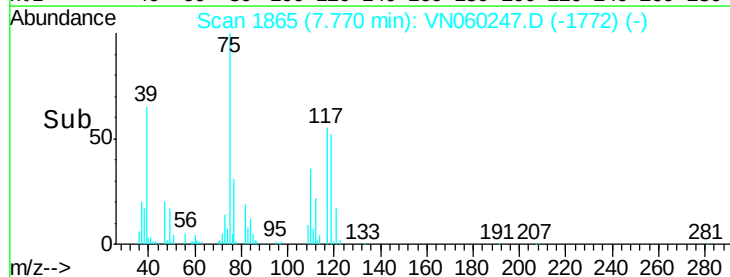
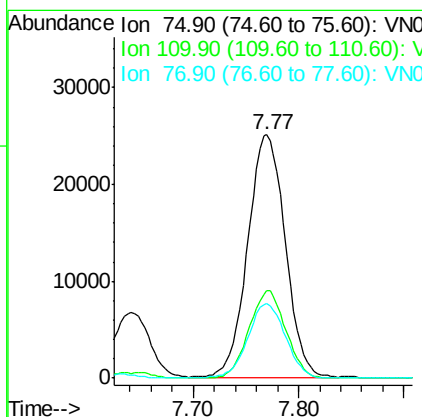
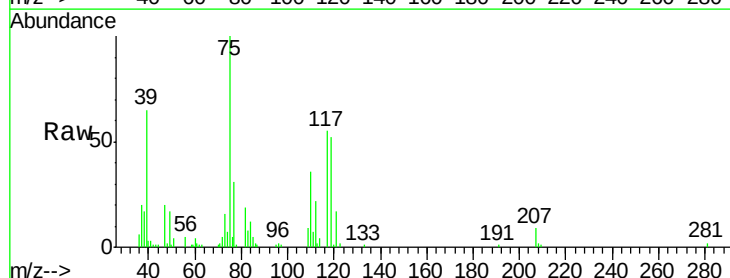
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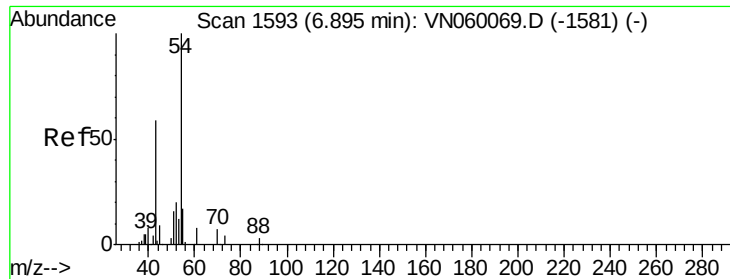
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.116 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.1	54.3
77	30.5	25.1	37.7





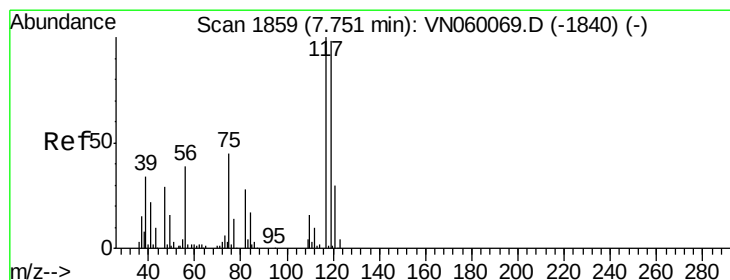
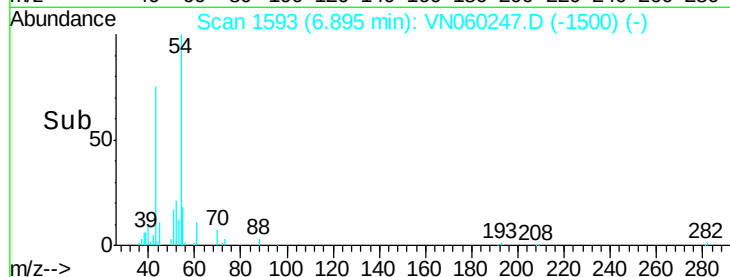
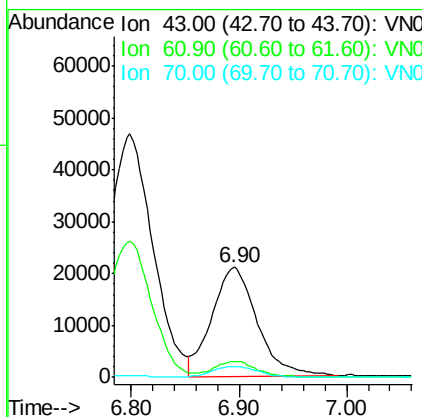
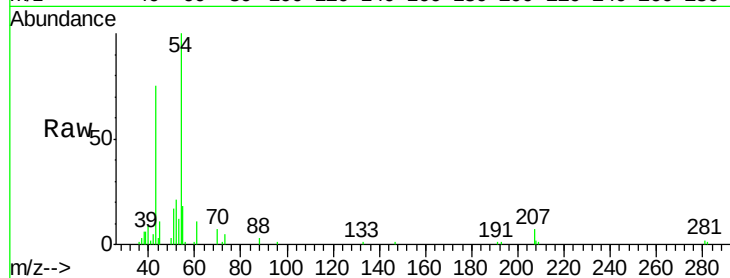
#37
Ethyl Acetate
Concen: 21.548 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.4	17.2
70	10.1	8.7	13.1

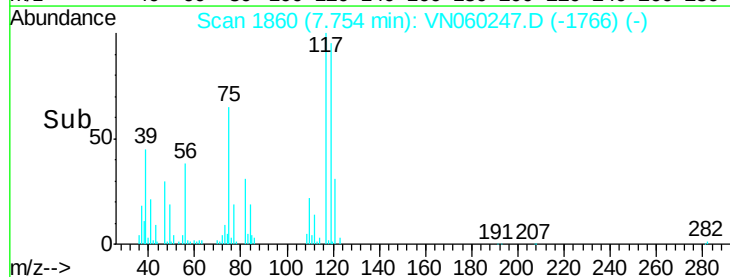
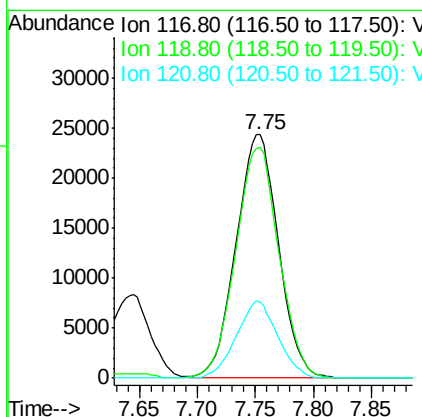
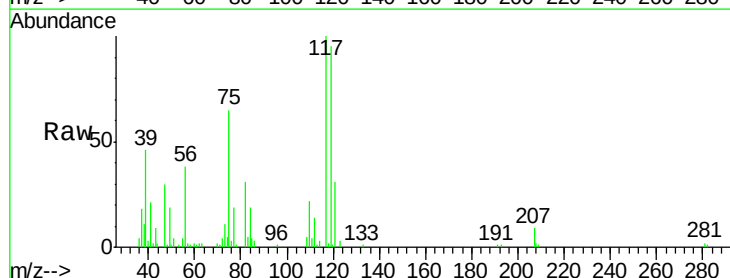
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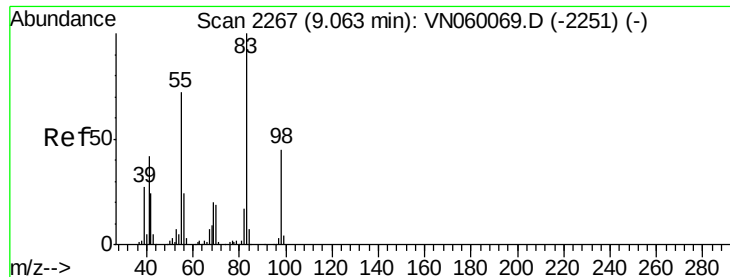
MMDadoda
2/27/2020 9:40:51 AM



#38
Carbon Tetrachloride
Concen: 18.264 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	78.2	117.4
121	31.4	24.2	36.2





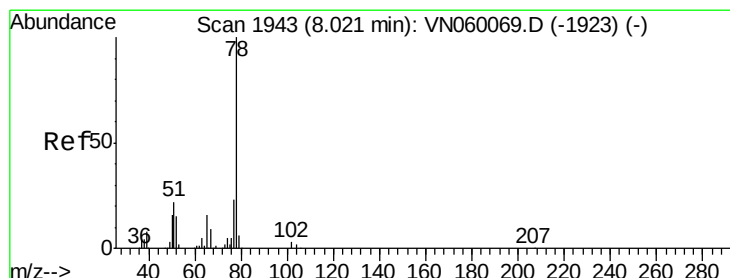
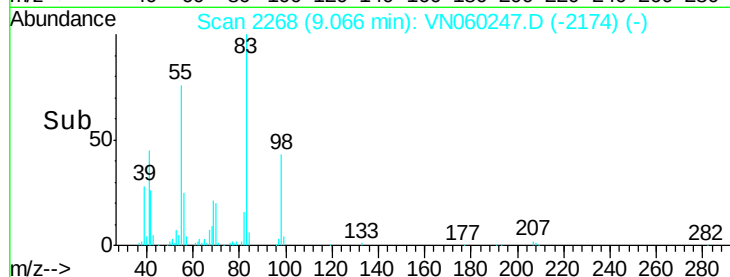
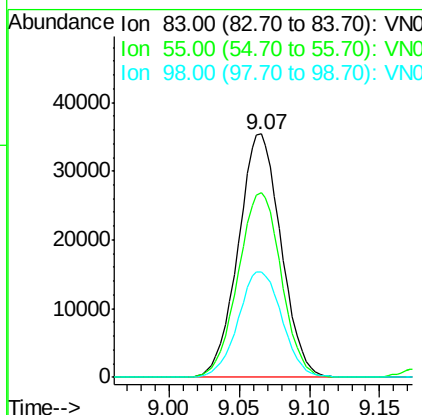
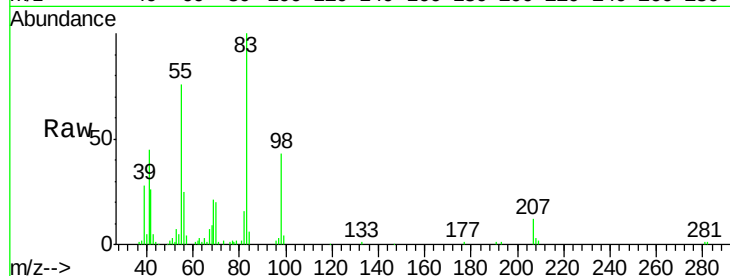
#39
Methylvlcyclohexane
Concen: 19.385 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.8	57.8	86.8
98	43.2	36.4	54.6

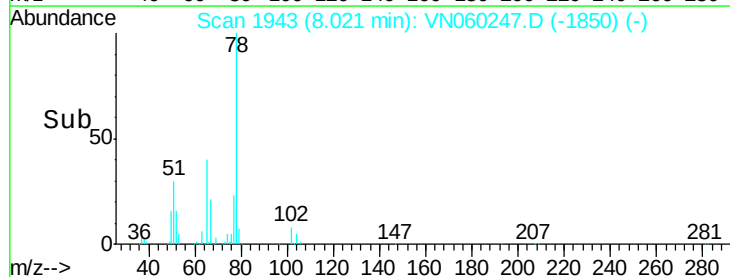
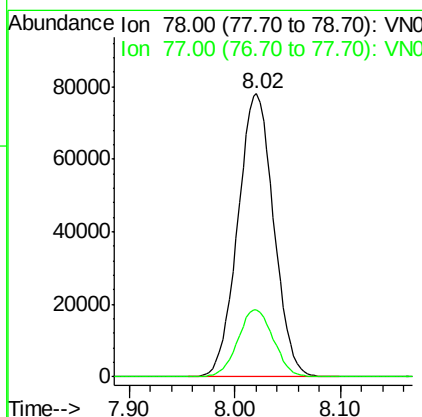
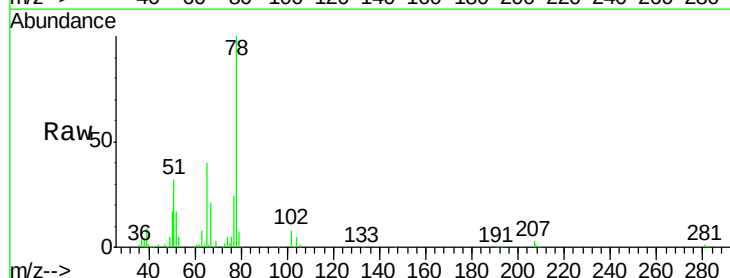
Manual Integrations
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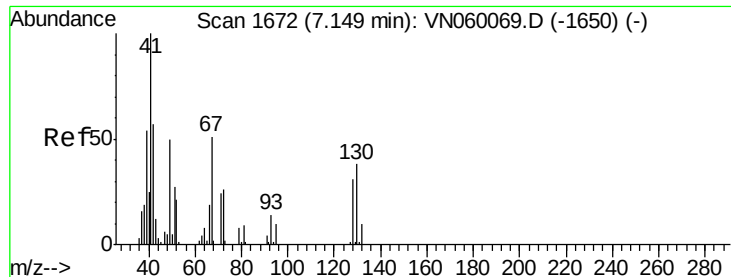
MMDadoda
2/27/2020 9:40:51 AM



#40
Benzene
Concen: 19.941 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





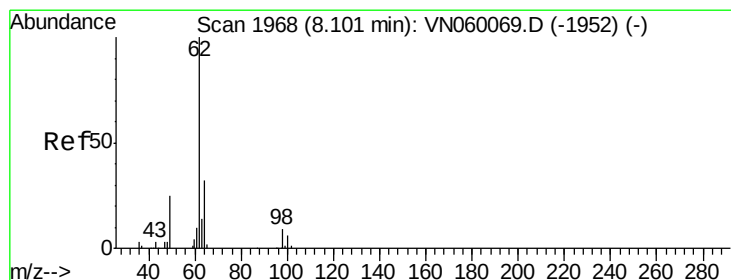
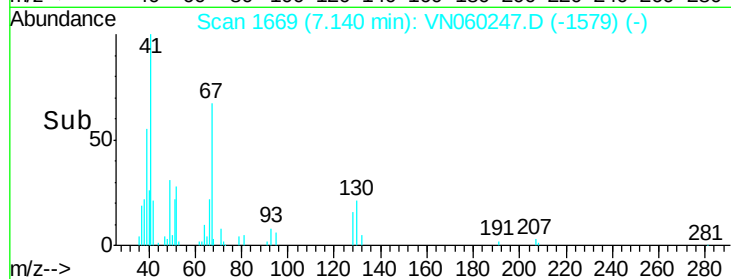
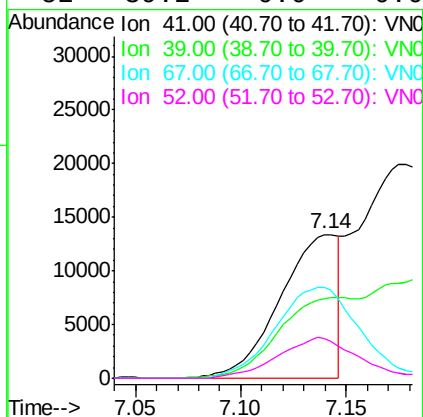
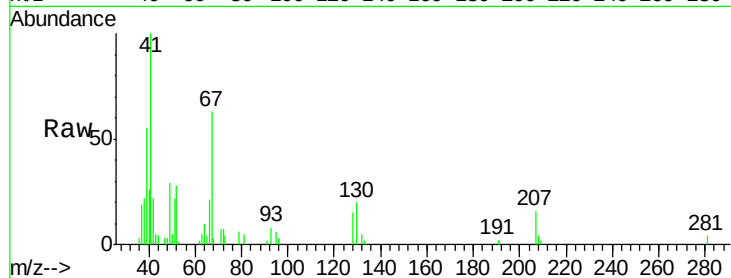
#41
Methacrylonitrile
Concen: 21.681 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	75.0	0.0	0.0#		
67	92.4	0.0	0.0#		
52	39.2	0.0	0.0#		

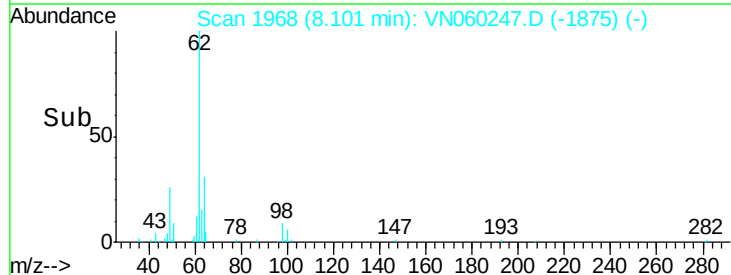
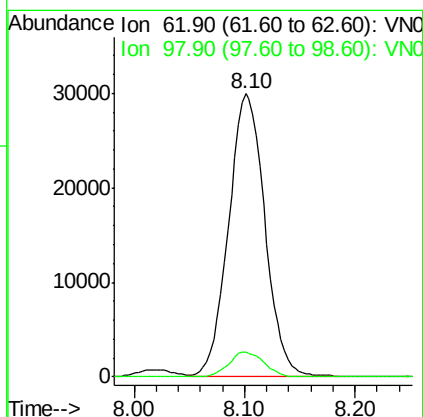
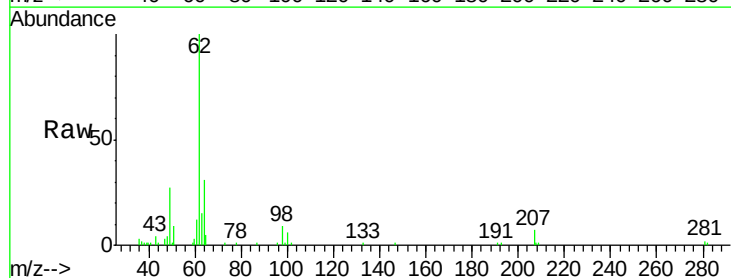
Manual Integrations
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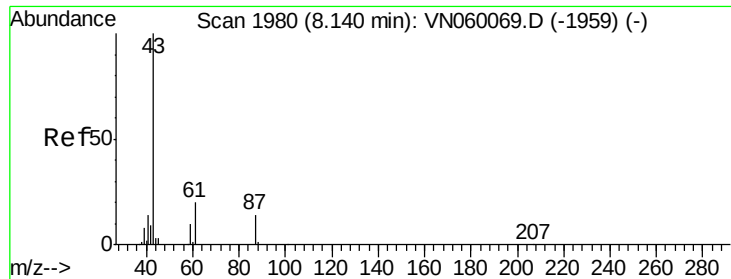
MMDadoda
2/27/2020 9:40:51 AM



#42
1,2-Dichloroethane
Concen: 21.087 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	8.4	0.0	18.2		





#43

Isopropyl Acetate

Concen: 21.800 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

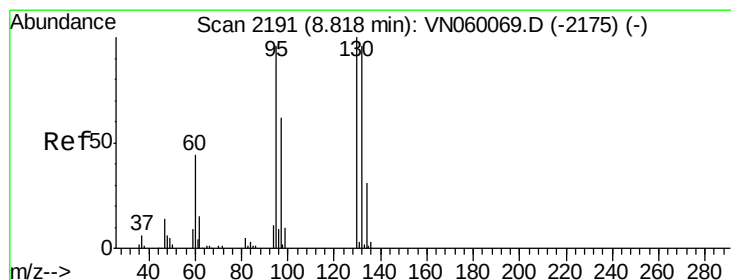
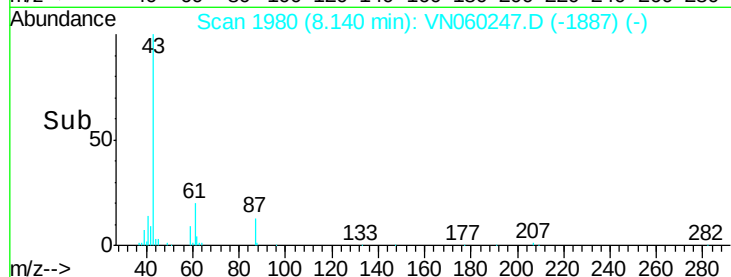
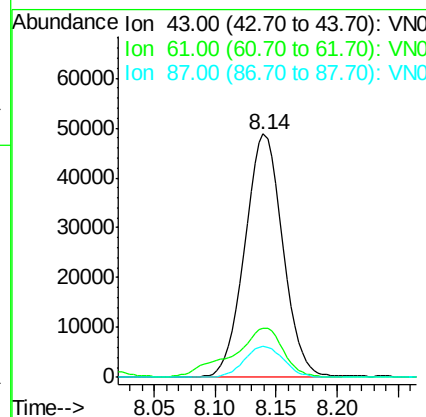
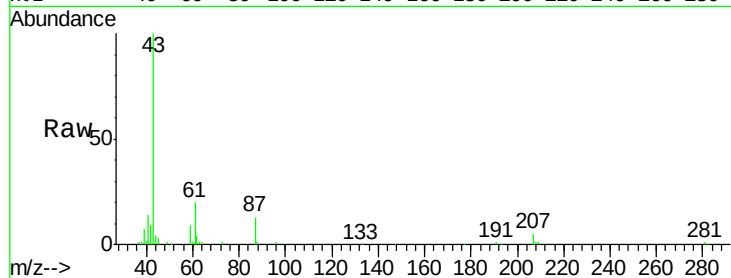
ClientSampleId :

VN0226WBS01

Tot Ion:	43	Resp:	105110
Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.8	32.6
87	13.2	11.4	17.2

Manual Integrations
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2/27/2020 9:40:51 AM



#44

Trichloroethene

Concen: 20.581 ug/l

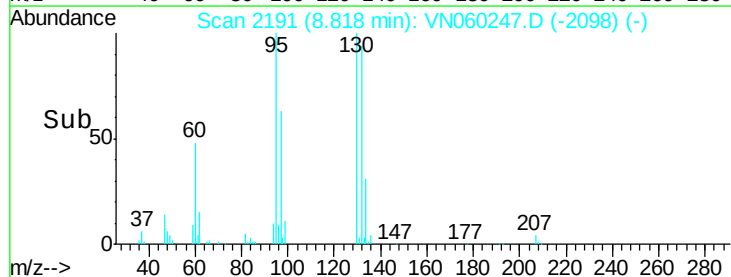
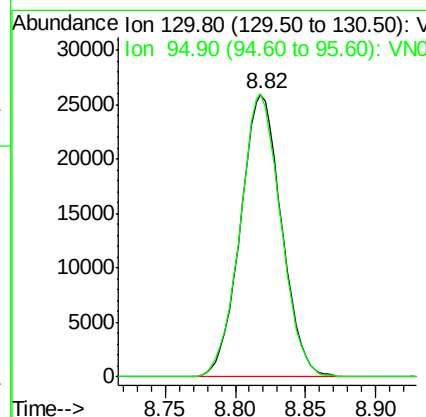
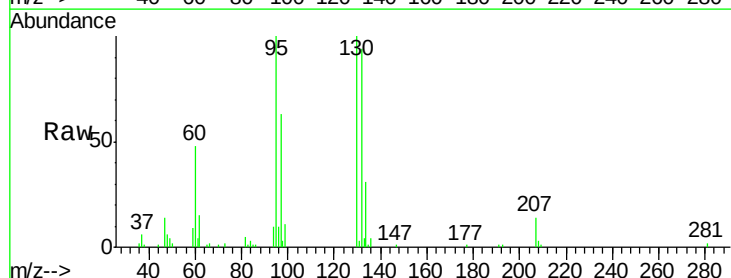
RT: 8.82 min Scan# 2191

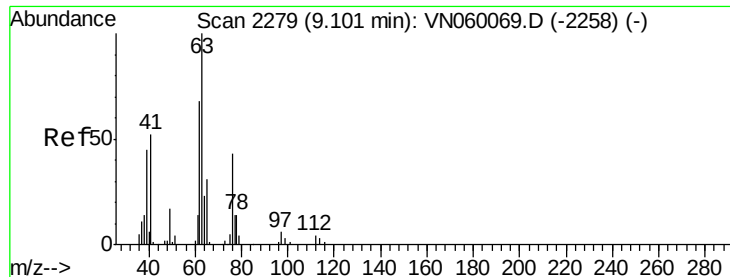
Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	130	Resp:	52758
Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	192.4





#45

1,2-Dichloropropane

Concen: 21.360 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

Tot Ion: 63 Resp: 48959

Ion Ratio Lower Upper

63 100

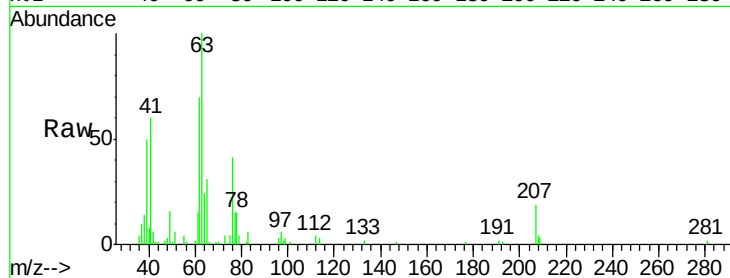
65 30.9 25.0 37.4

Manual Integrations

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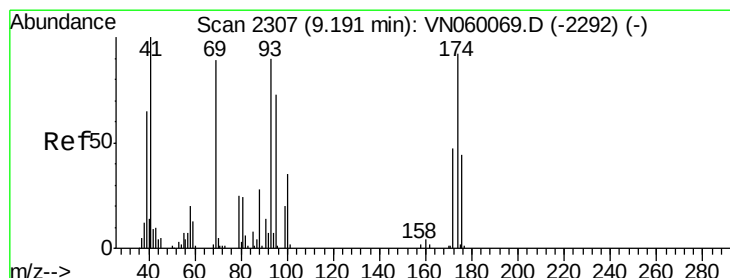
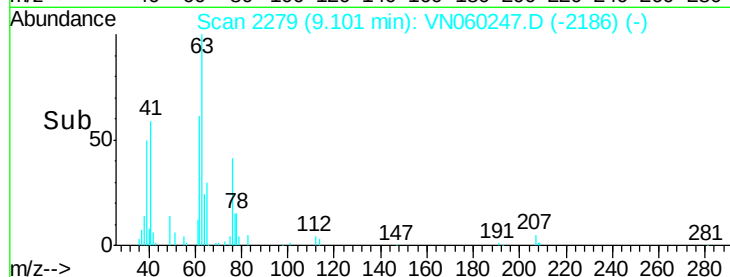
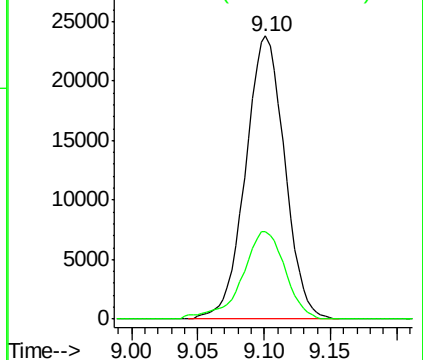
MMDadoda

2/27/2020 9:40:51 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.332 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

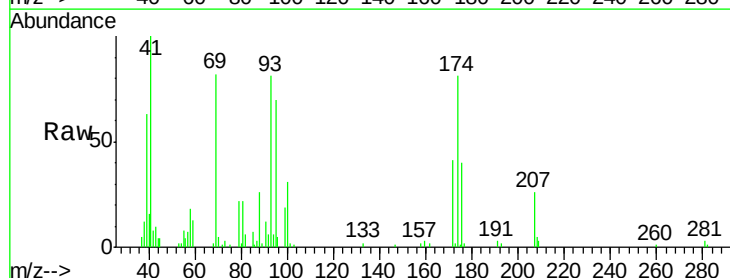
Tgt Ion: 93 Resp: 31312

Ion Ratio Lower Upper

93 100

95 85.3 65.0 97.6

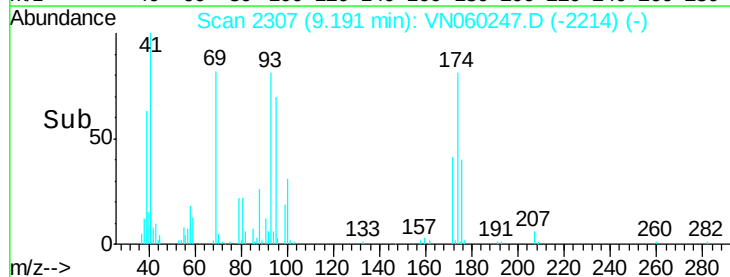
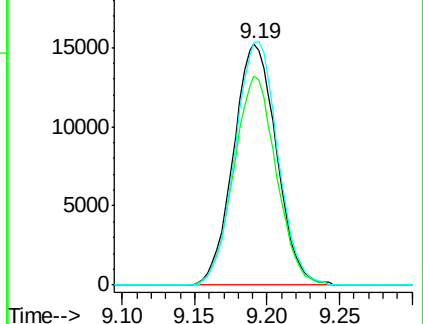
174 100.4 82.3 123.5

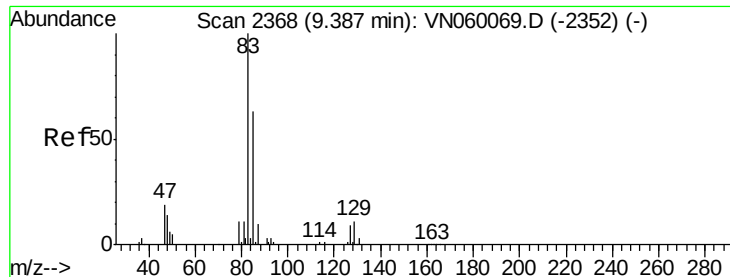


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.752 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

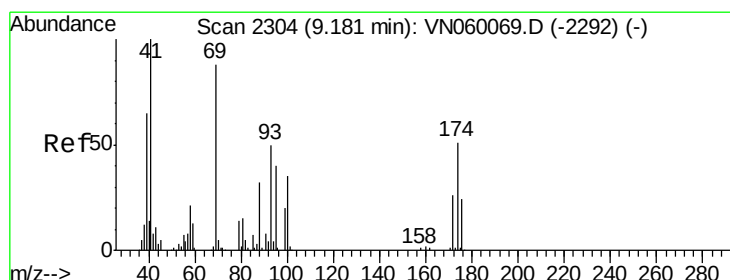
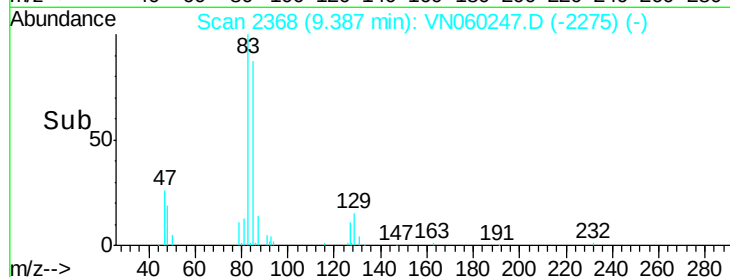
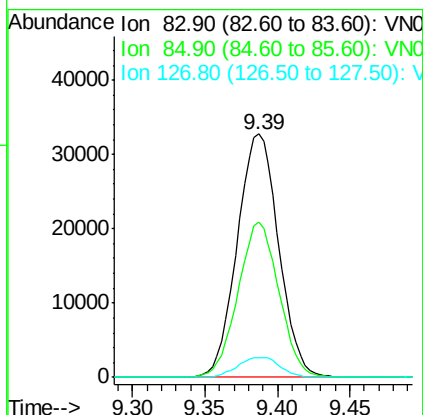
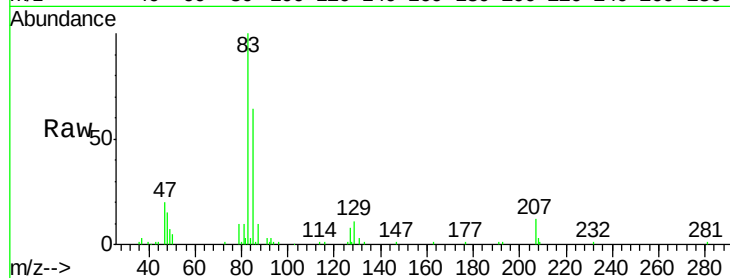
ClientSampleId :

VN0226WBS01

Tot Ion:	83	Resp:	65045
Ion Ratio	Lower	Upper	
83	100		
85	63.7	50.6	75.8
127	8.3	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.137 ug/l

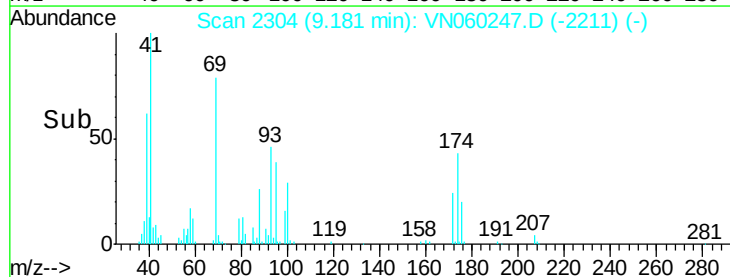
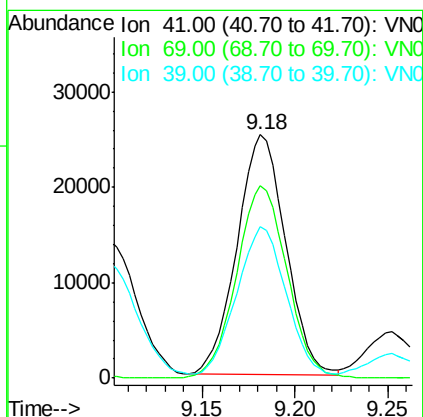
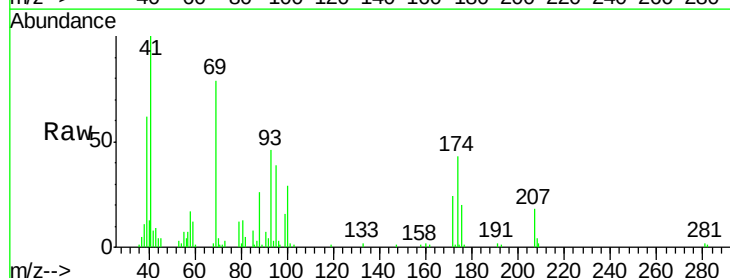
RT: 9.18 min Scan# 2304

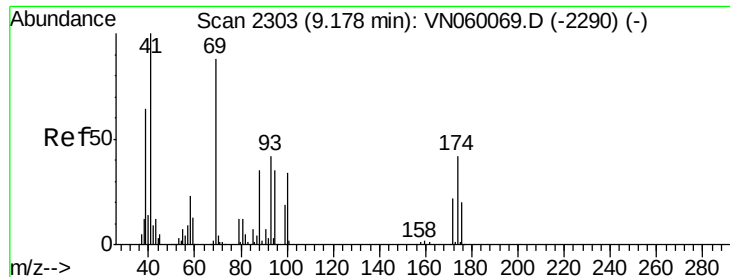
Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	41	Resp:	45725
Ion Ratio	Lower	Upper	
41	100		
69	83.2	72.0	108.0
39	62.4	54.1	81.1





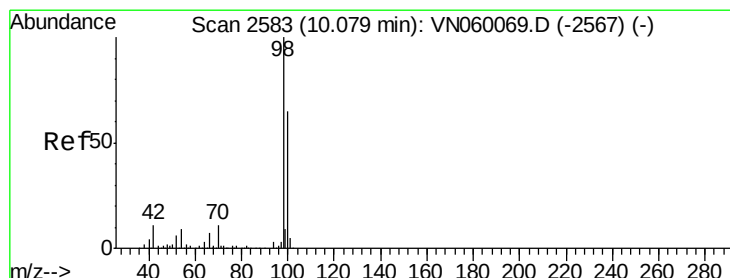
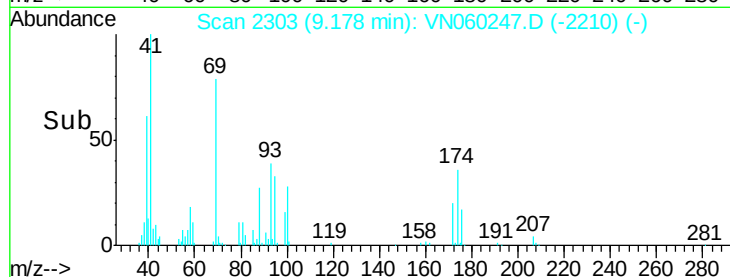
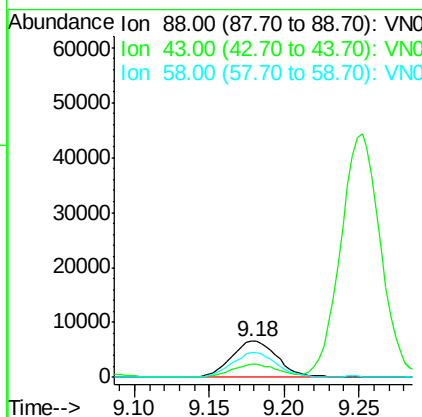
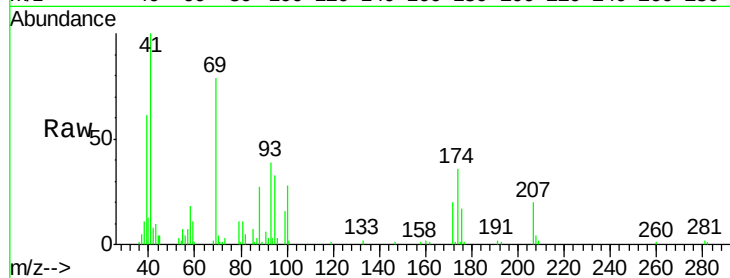
#49
1,4-Dioxane
Concen: 380.685 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.6	26.2	39.2
58	66.6	53.2	79.8

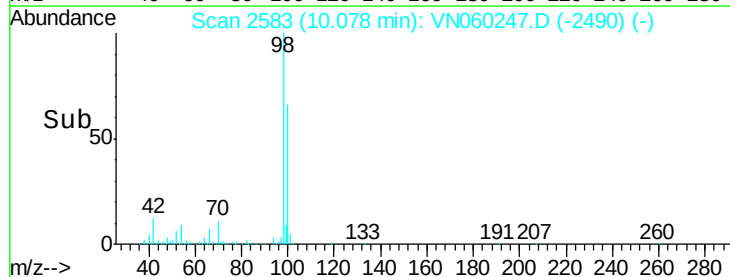
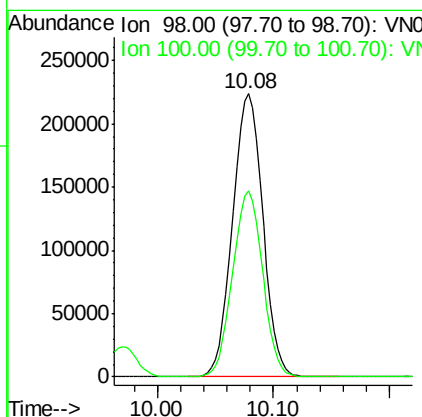
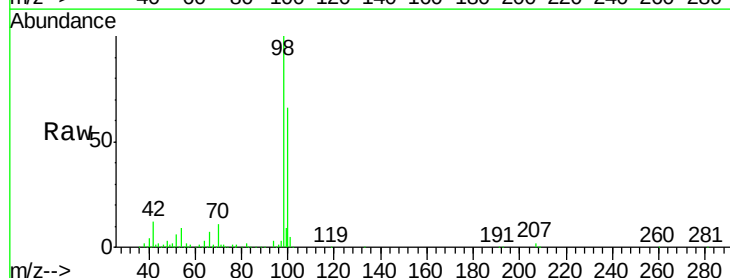
Manual Integrations
APPROVED

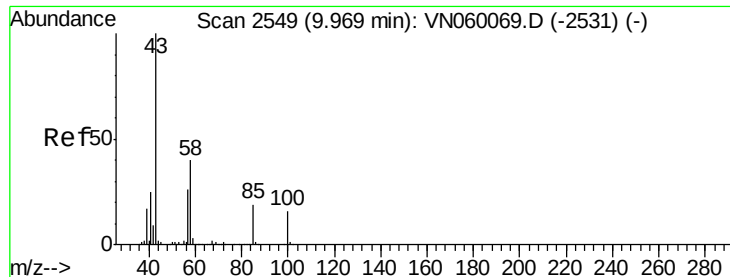
MMDadoda
2/27/2020 9:40:51 AM



#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 107.112 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 43 Resp: 298935

Ion Ratio Lower Upper

43 100

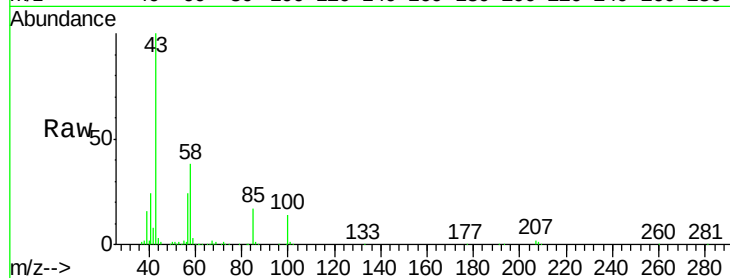
58 38.6 31.8 47.8

Manual Integrations

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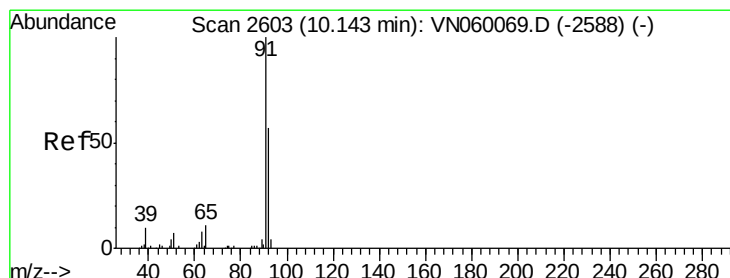
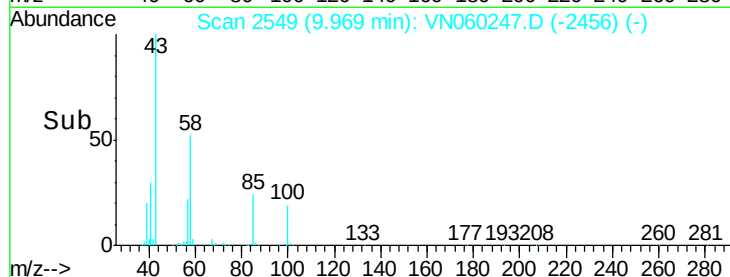
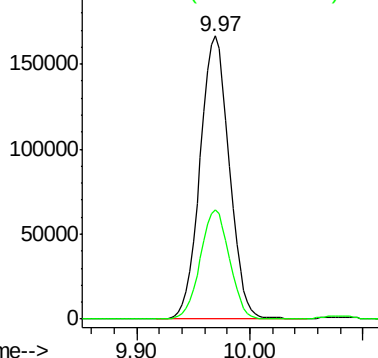
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.466 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060247.D

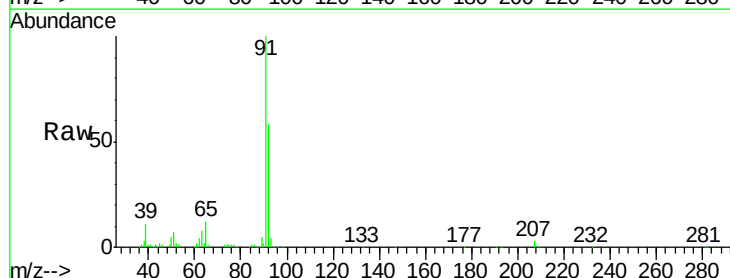
Acq: 26 Feb 2020 13:28

Tgt Ion: 92 Resp: 115566

Ion Ratio Lower Upper

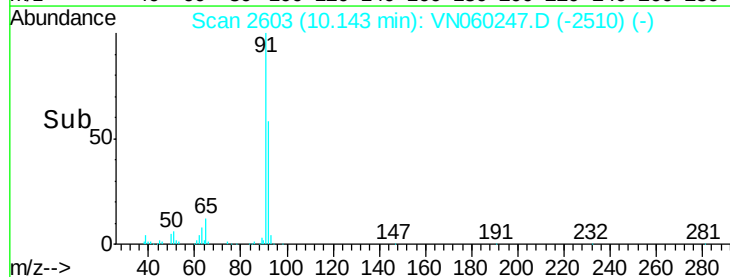
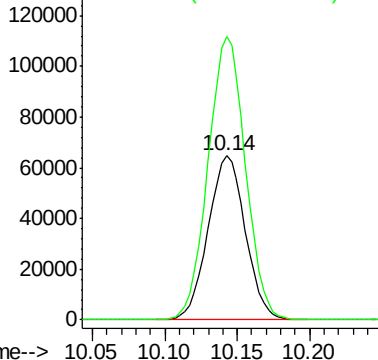
92 100

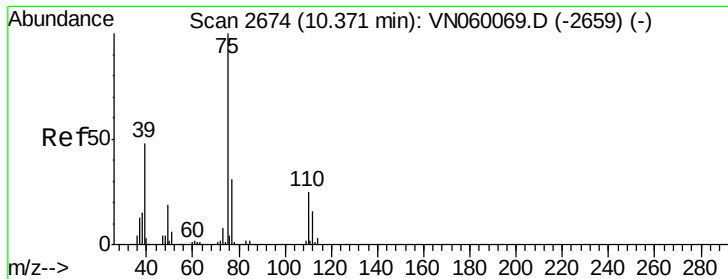
91 173.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.483 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 75 Resp: 76137

Ion Ratio Lower Upper

75 100

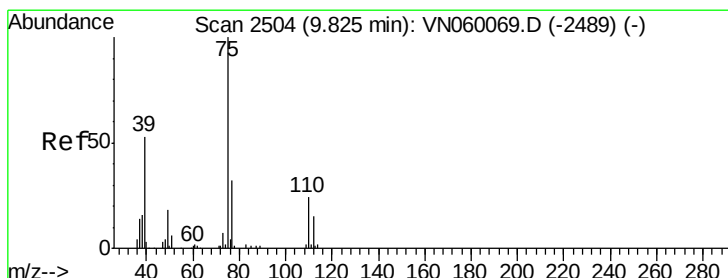
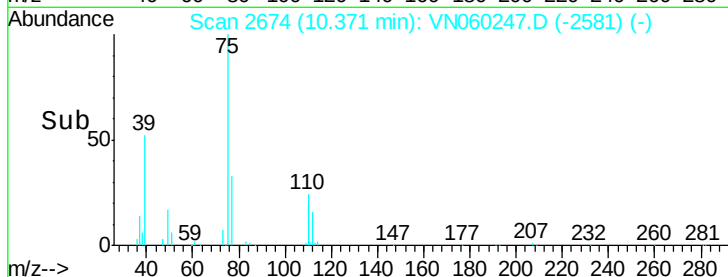
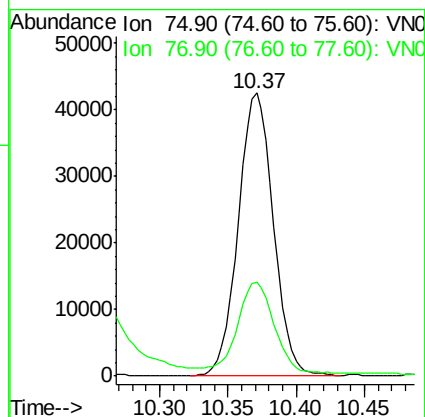
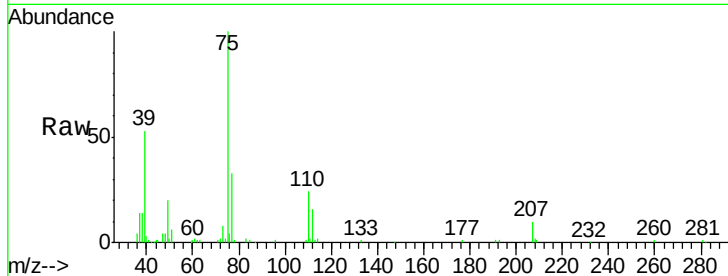
77 32.0 25.4 38.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.795 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

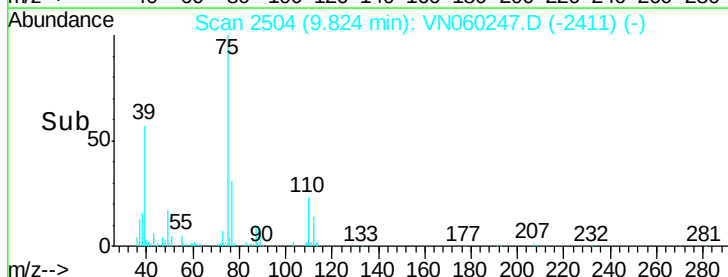
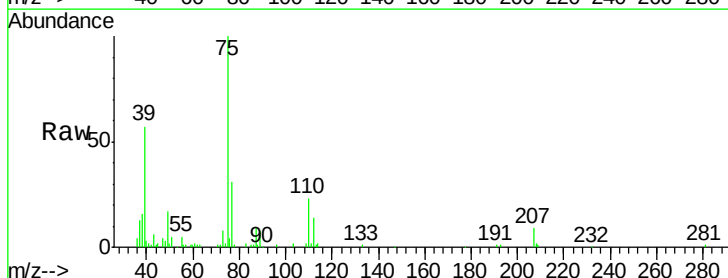
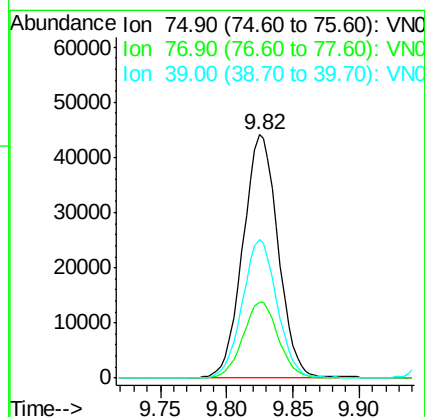
Tgt Ion: 75 Resp: 81392

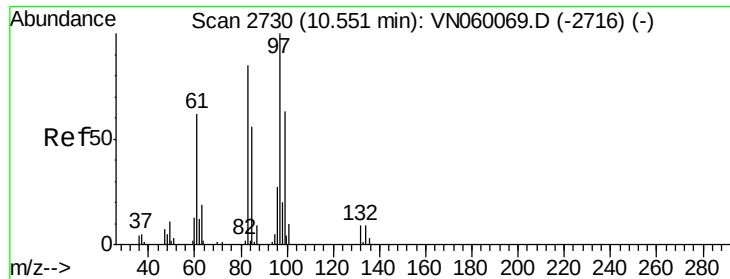
Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4

39 56.7 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 19.845 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

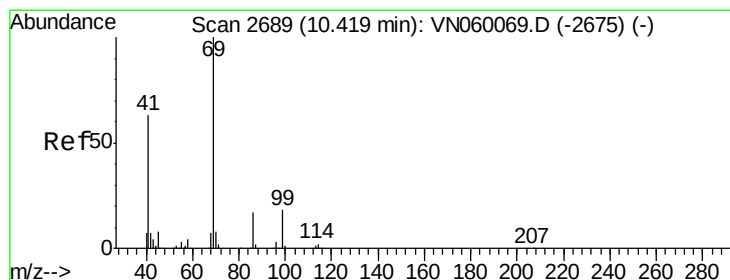
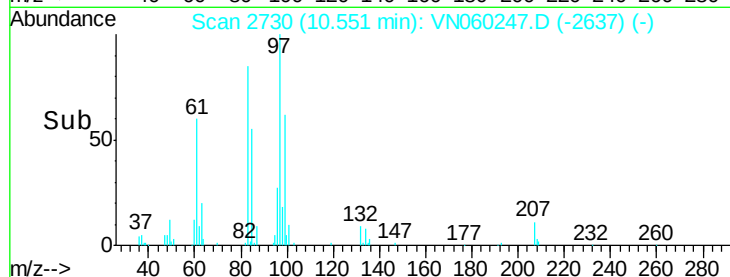
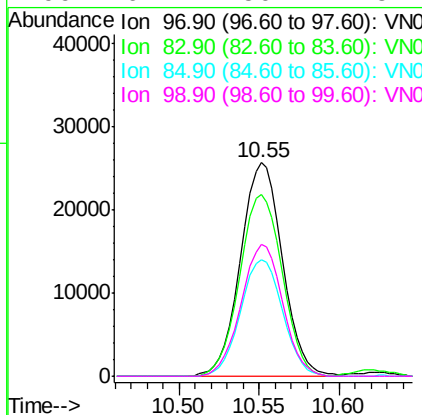
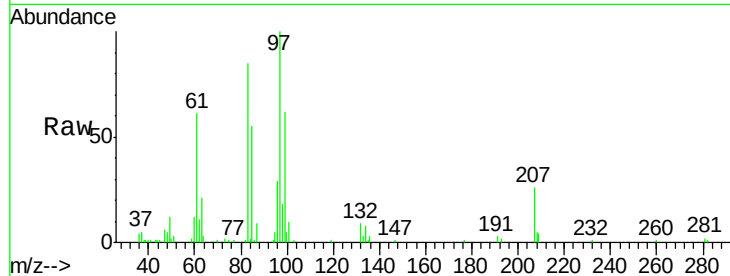
ClientSampleId :

VN0226WBS01

Tot Ion:	97	Resp:	45964
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.9	101.9
85	54.7	44.6	67.0
99	61.7	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.769 ug/l

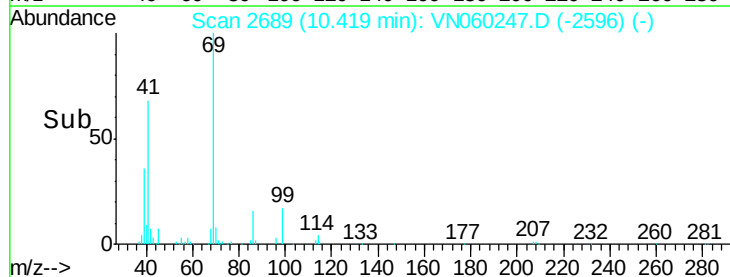
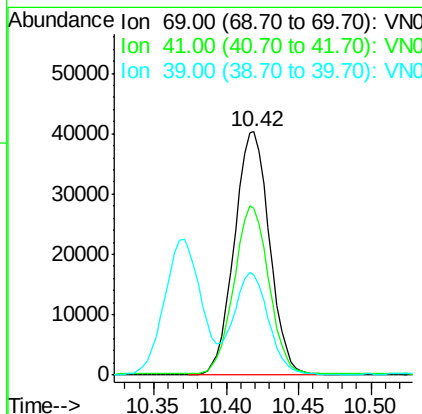
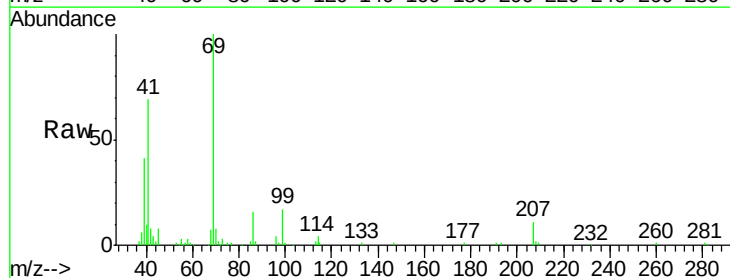
RT: 10.42 min Scan# 2689

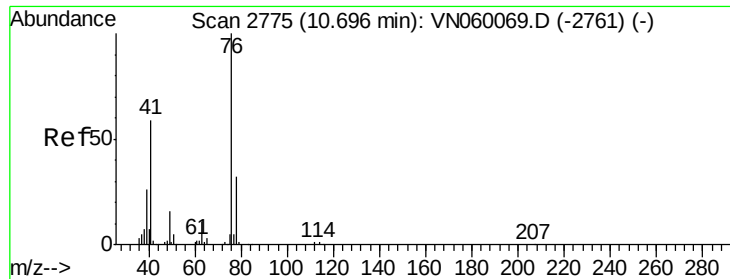
Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	69	Resp:	68049
Ion	Ratio	Lower	Upper
69	100		
41	68.5	51.1	76.7
39	40.4	33.8	50.8





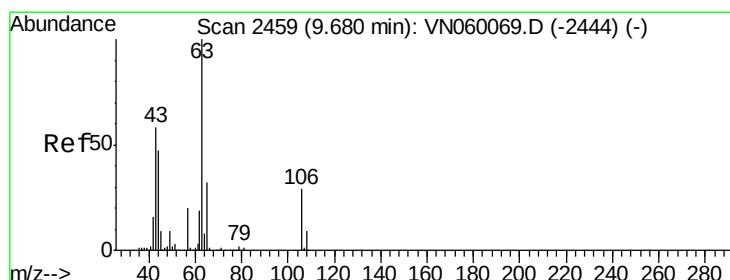
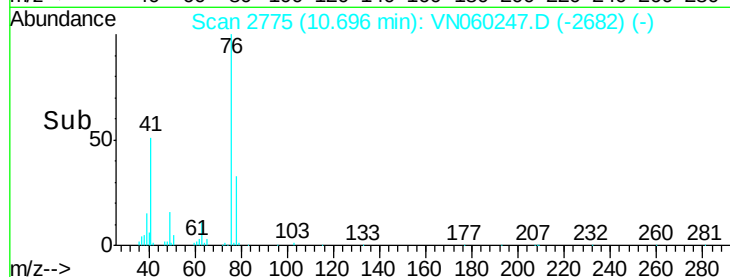
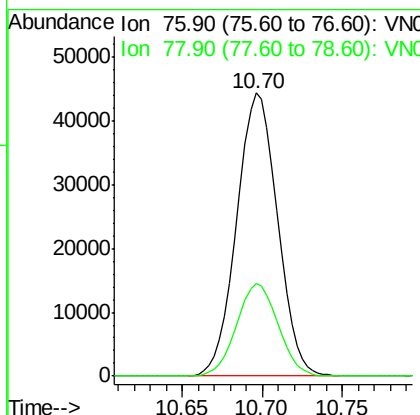
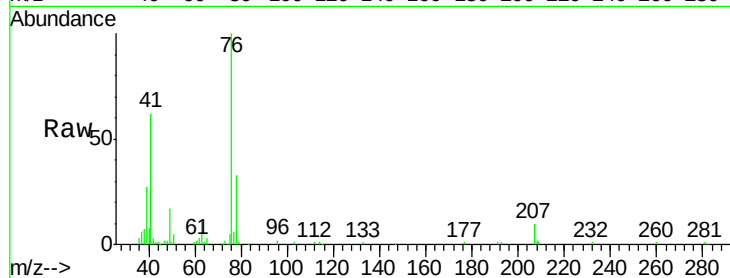
#57
 1,3-Dichloropropane
 Concen: 20.211 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion: 76 Resp: 77242
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.7 38.5

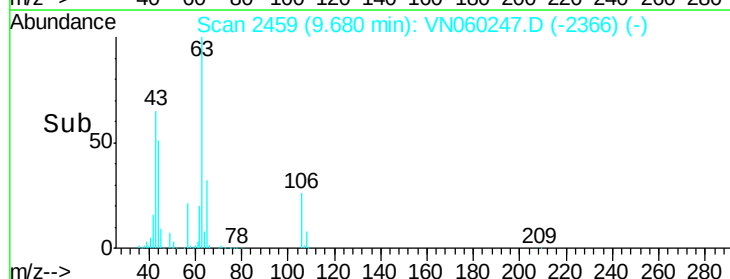
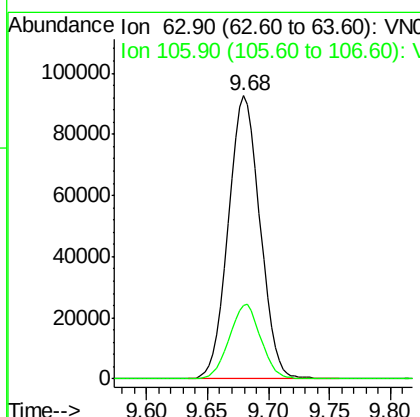
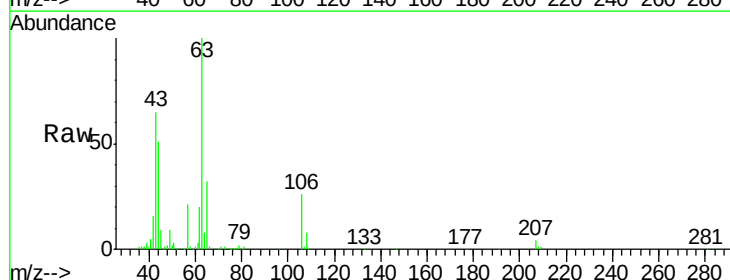
Manual Integrations
 APPROVED

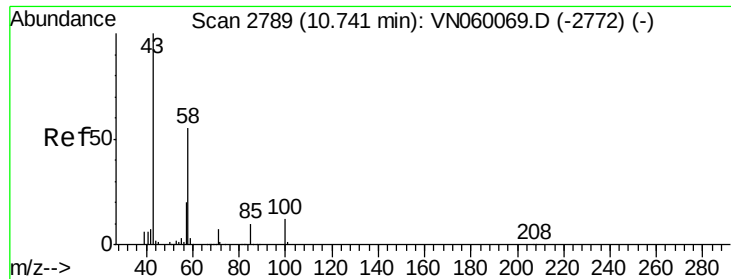
MMDadoda
 2/27/2020 9:40:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 109.889 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion: 63 Resp: 167733
 Ion Ratio Lower Upper
 63 100
 106 26.1 22.9 34.3





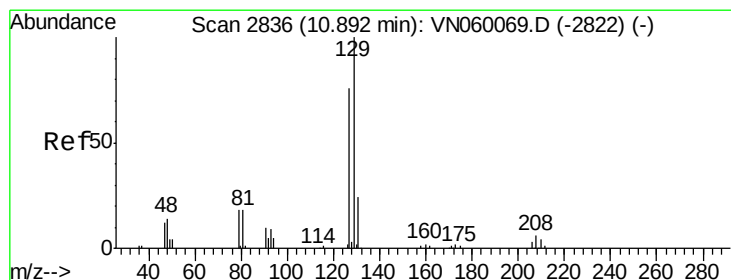
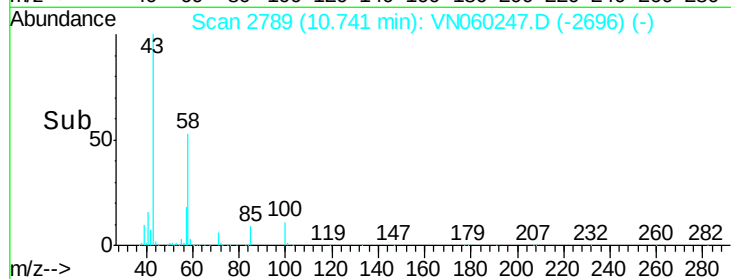
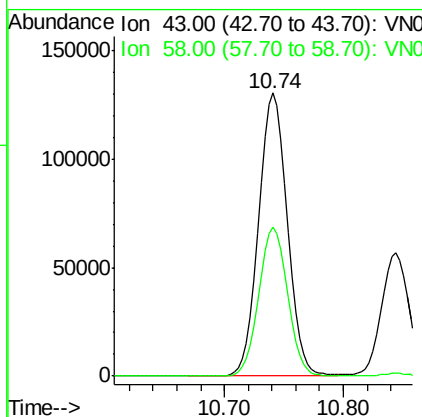
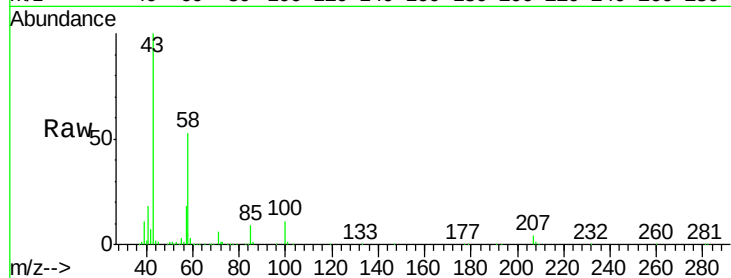
#59
2-Hexanone
Concen: 100.727 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	27.5	82.4

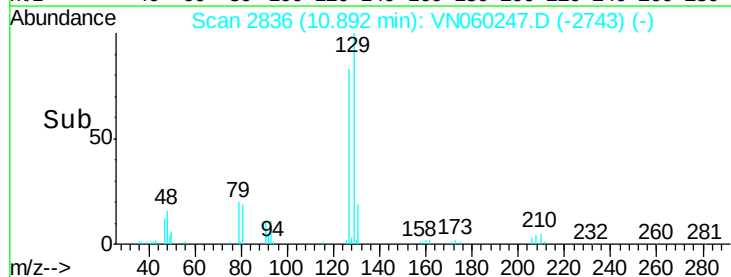
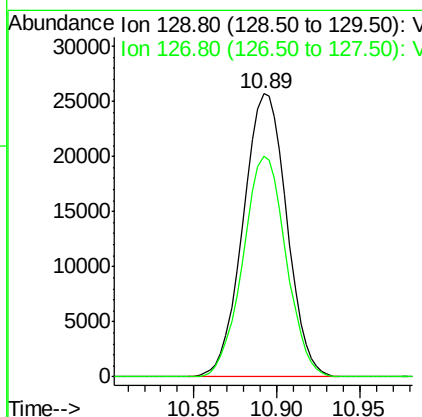
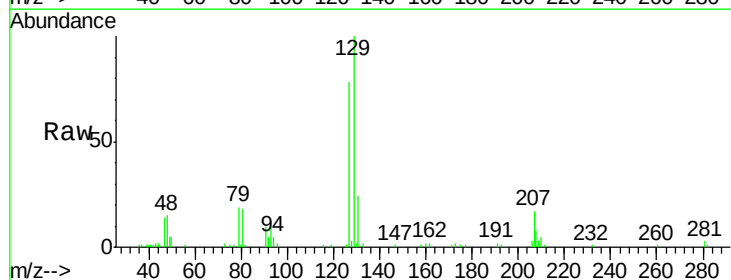
Manual Integrations
APPROVED

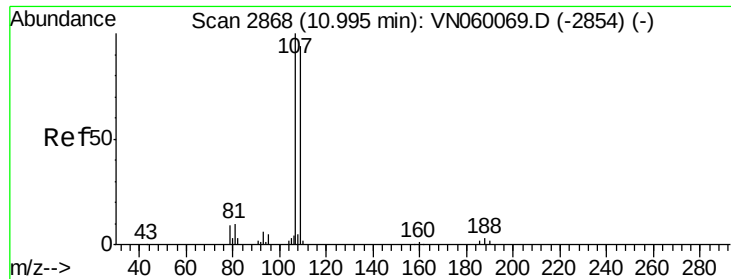
MMDadoda
2/27/2020 9:40:51 AM



#60
Dibromochloromethane
Concen: 17.690 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.0	114.1





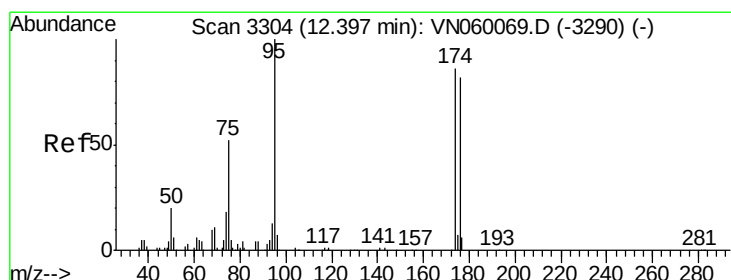
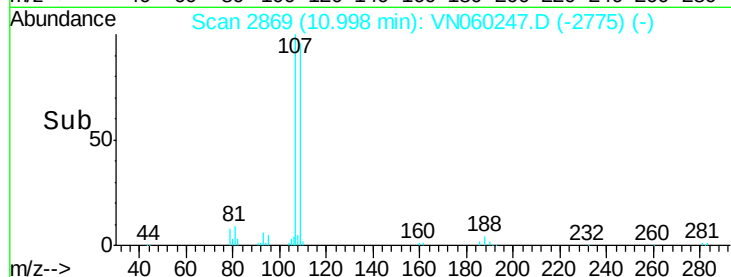
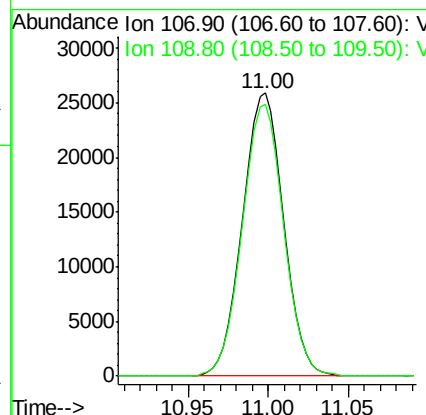
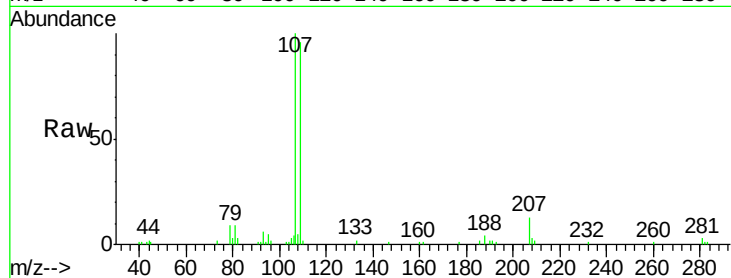
#61
 1,2-Dibromoethane
 Concen: 18.651 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion: 107 Resp: 45283
 Ion Ratio Lower Upper
 107 100
 109 96.8 75.4 113.0

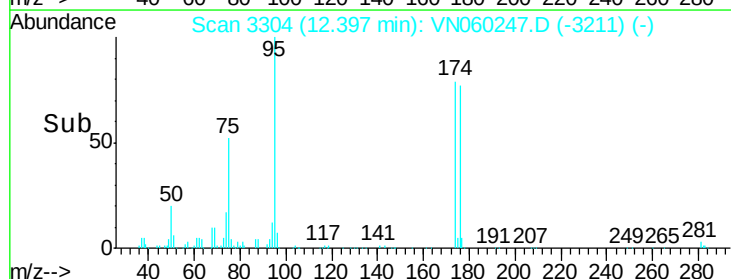
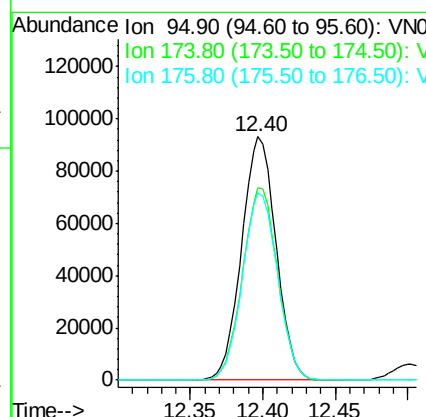
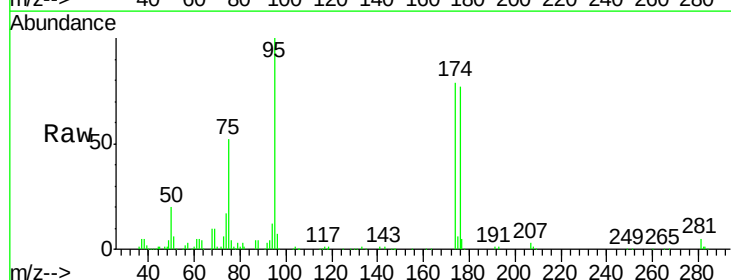
Manual Integrations
 APPROVED

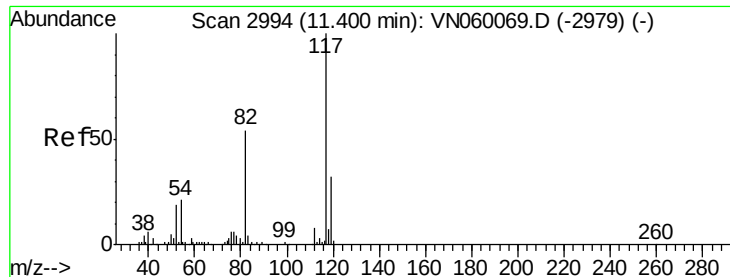
MMDadoda
 2/27/2020 9:40:51 AM



#62
 4-Bromofluorobenzene
 Concen: 51.286 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion: 95 Resp: 153709
 Ion Ratio Lower Upper
 95 100
 174 80.7 0.0 169.8
 176 78.6 0.0 164.8





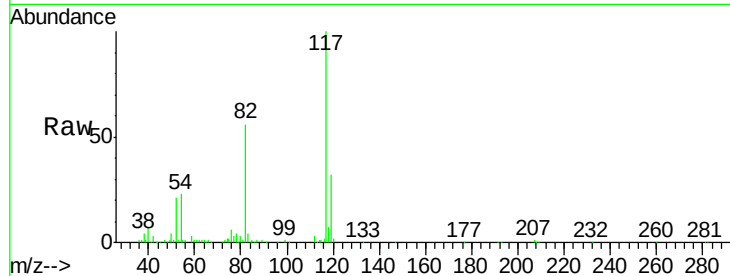
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	43.4	65.0
119	32.1	25.8	38.6

Manual Integrations
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MMDadoda
2/27/2020 9:40:51 AM

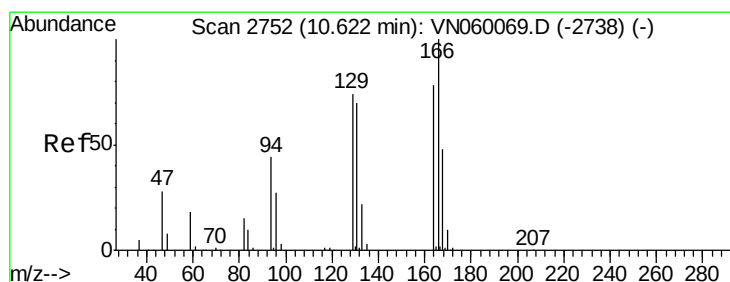
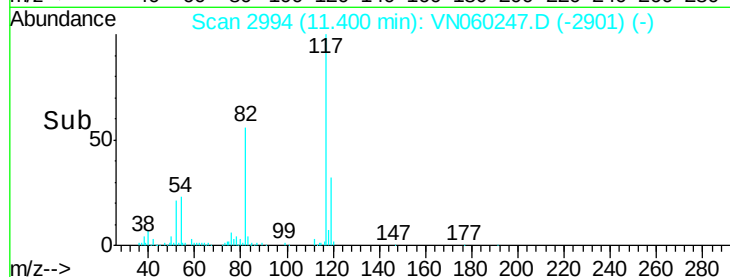
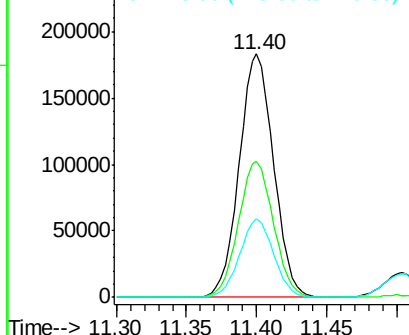


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 23.222 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.9	152.9
129	95.6	75.4	113.0
131	89.9	71.4	107.2

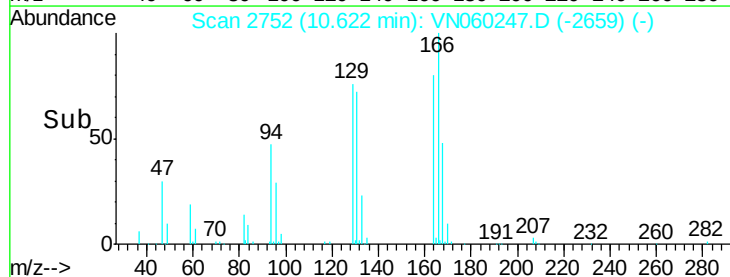
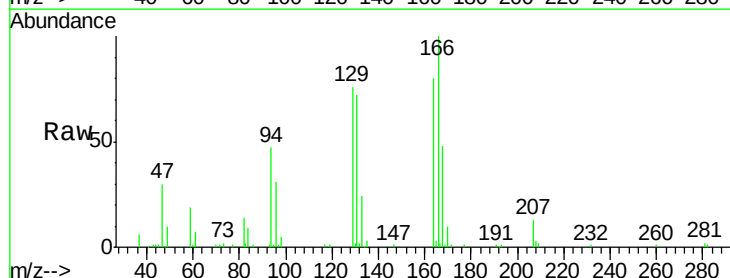
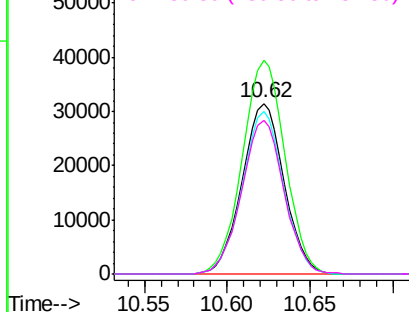
Abundance

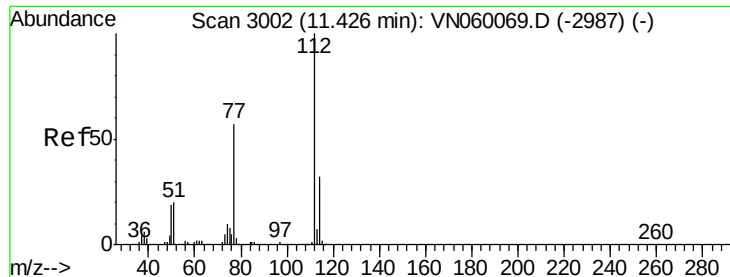
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





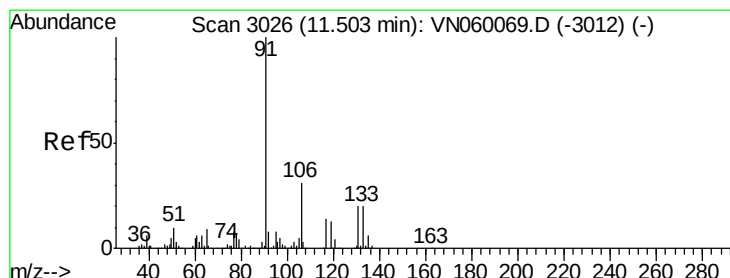
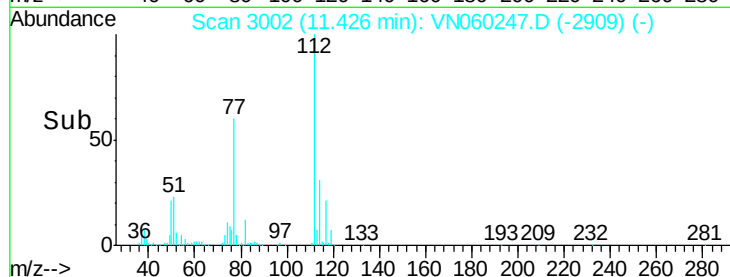
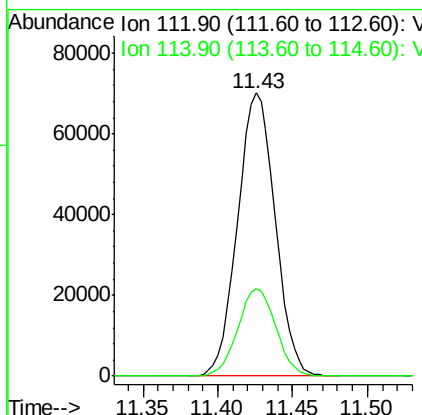
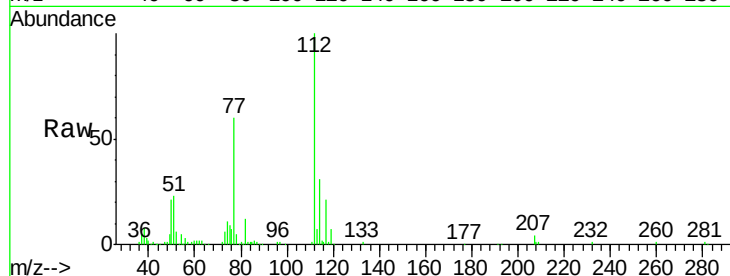
#65
Chlorobenzene
Concen: 19.229 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.4	38.0

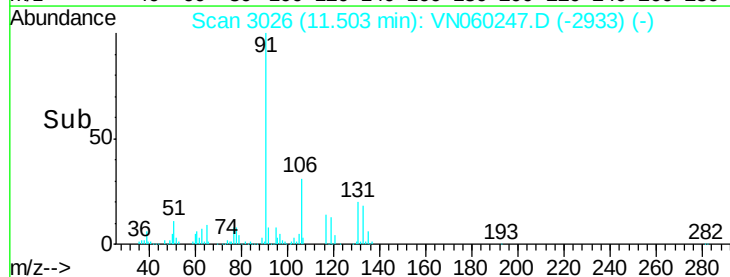
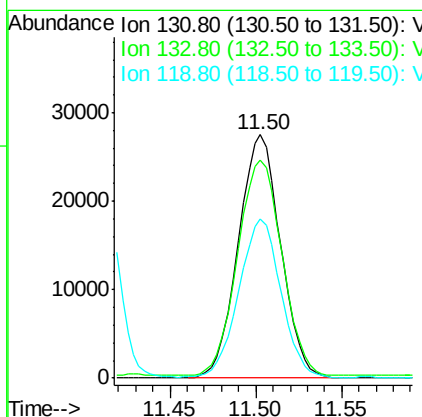
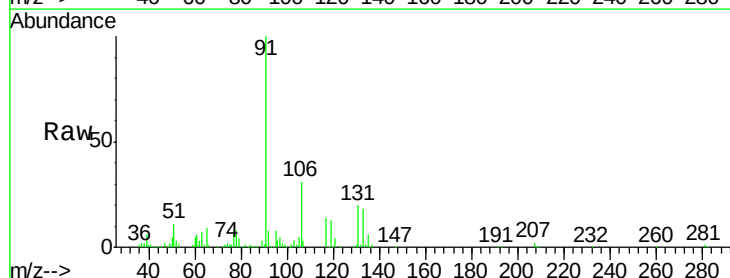
Manual Integrations
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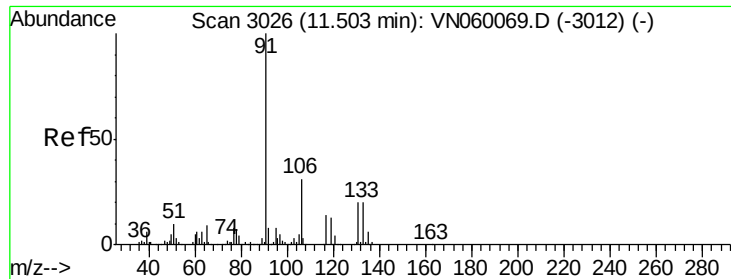
MMDadoda
2/27/2020 9:40:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.529 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.1	47.9	143.7
119	65.6	32.6	97.7





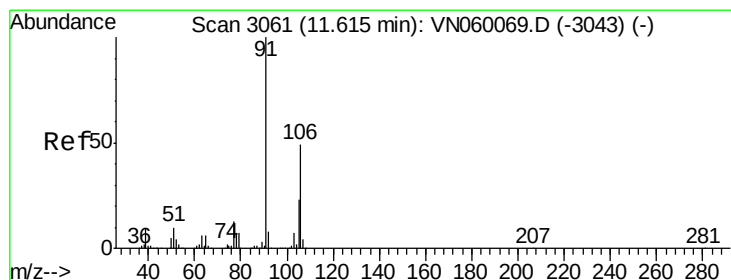
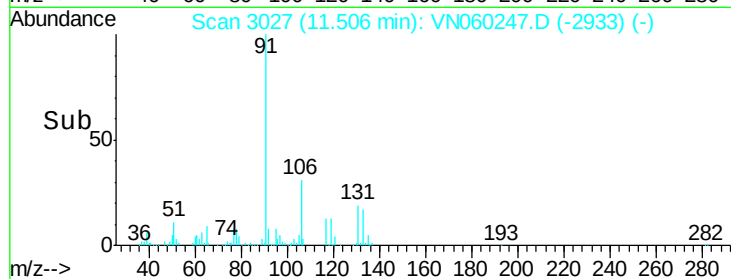
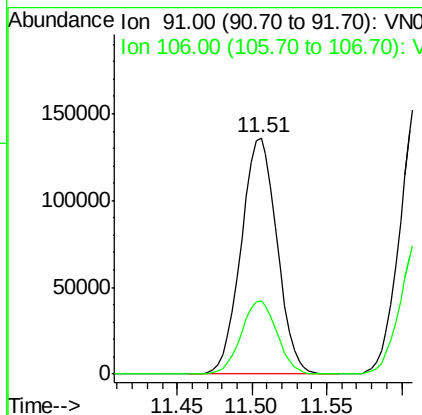
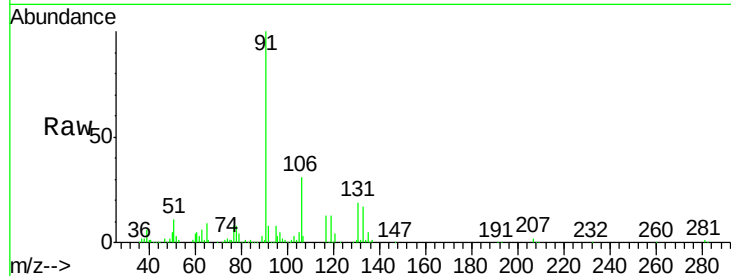
#67
Ethyl Benzene
Concen: 19.764 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tot Ion: 91 Resp: 227254
Ion Ratio Lower Upper
91 100
106 31.1 25.1 37.7

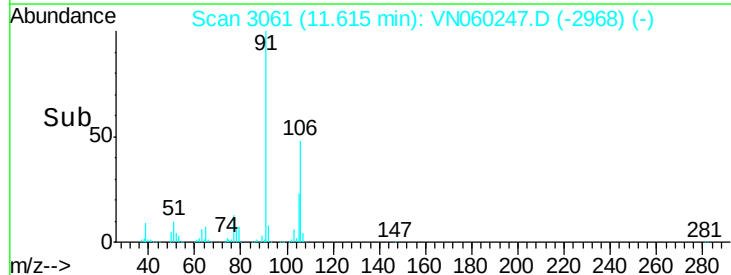
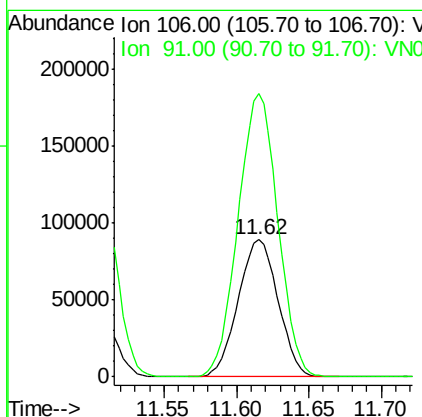
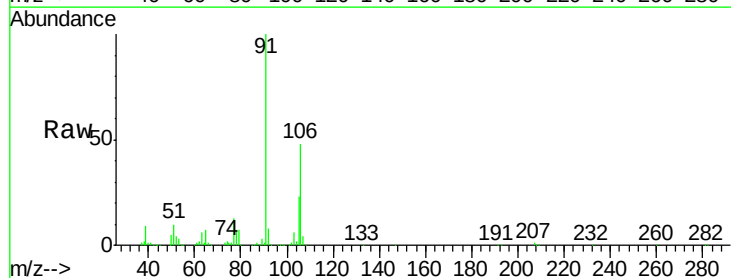
Manual Integrations
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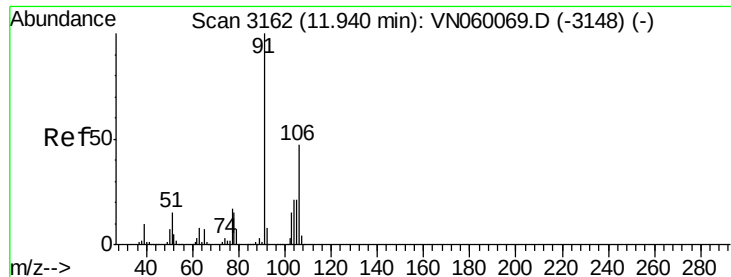
MMDadoda
2/27/2020 9:40:51 AM



#68
m/p-Xylenes
Concen: 39.528 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion: 106 Resp: 170583
Ion Ratio Lower Upper
106 100
91 205.4 162.7 244.1





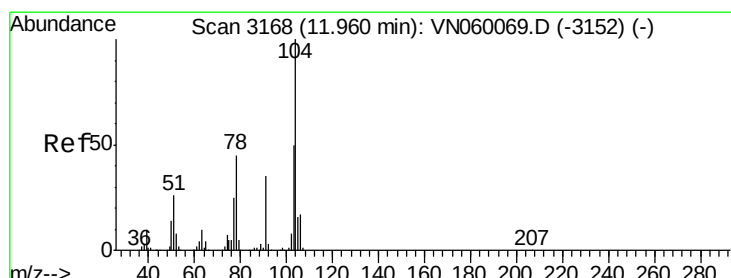
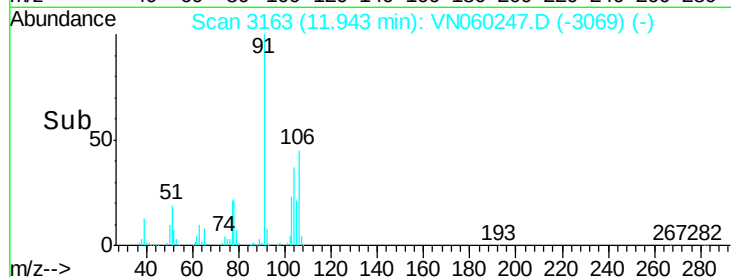
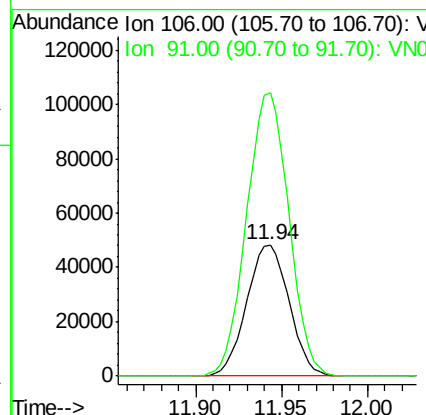
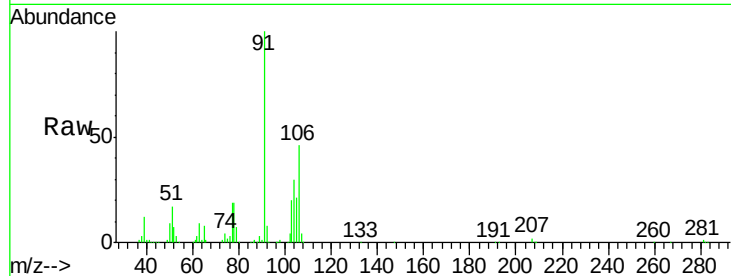
#69
o-Xylene
Concen: 19.903 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampled :
VN0226WBS01

Tot Ion:106 Resp: 82699
Ion Ratio Lower Upper
106 100
91 215.0 107.2 321.6

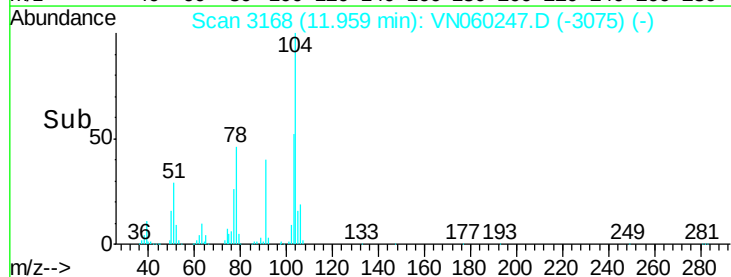
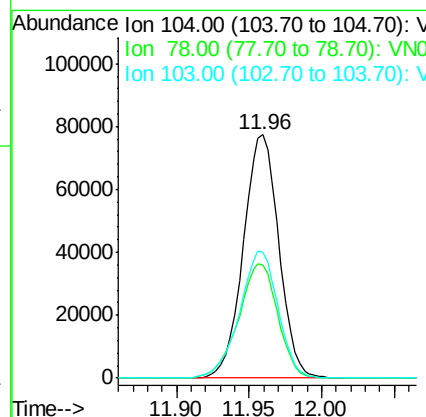
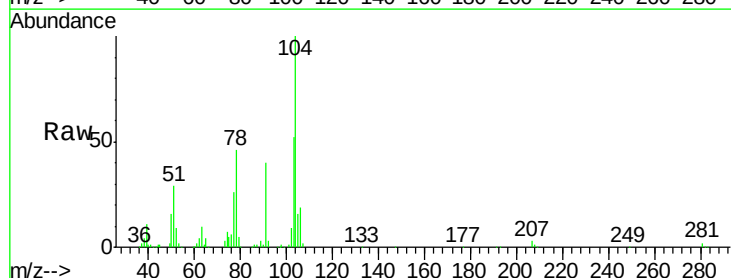
Manual Integrations
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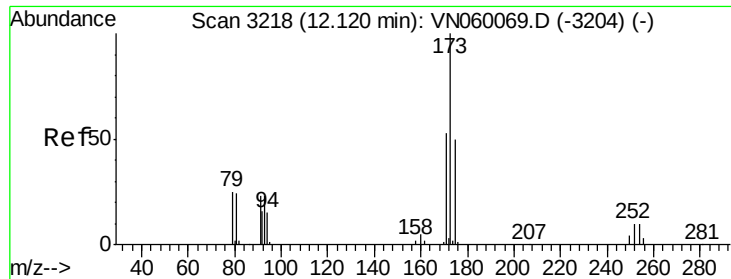
MMDadoda
2/27/2020 9:40:51 AM



#70
Styrene
Concen: 19.679 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion:104 Resp: 131861
Ion Ratio Lower Upper
104 100
78 52.0 40.2 60.2
103 56.6 44.3 66.5





#71

Bromoform

Concen: 16.565 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

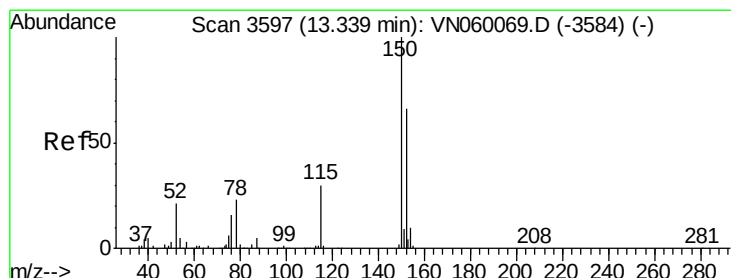
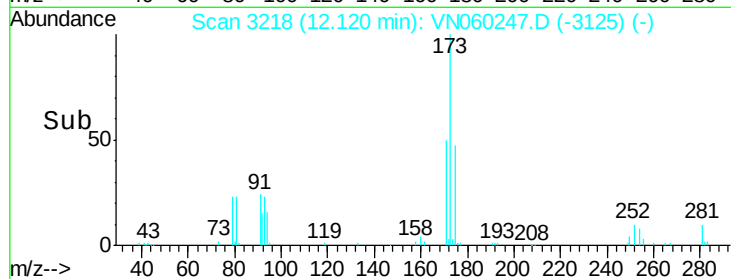
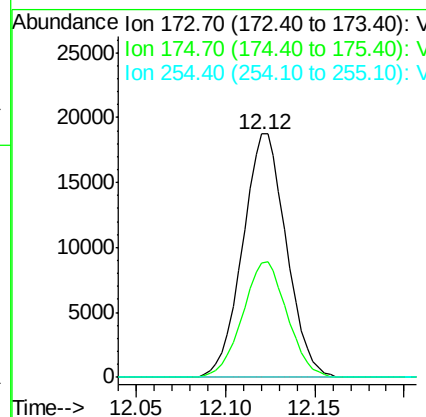
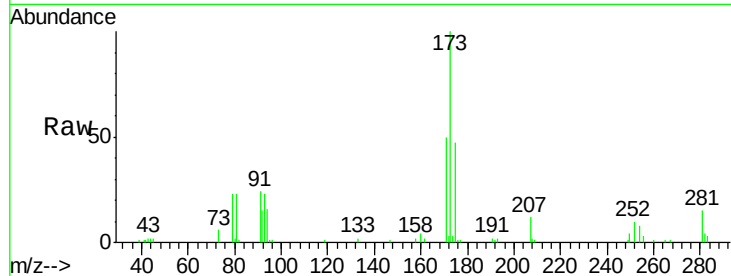
ClientSampleId :

VN0226WBS01

Tot Ion:	173	Resp:	32132
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.9	74.6
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

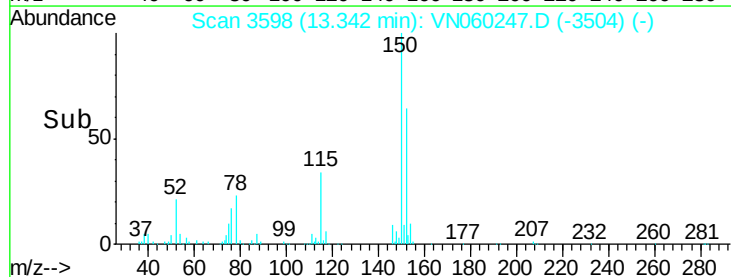
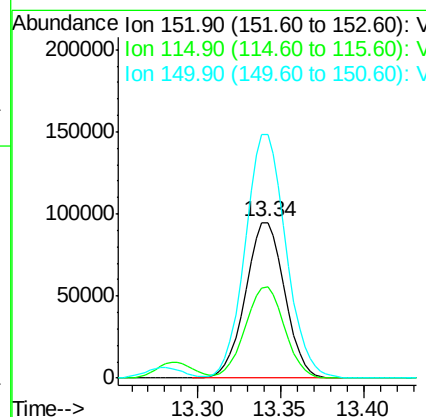
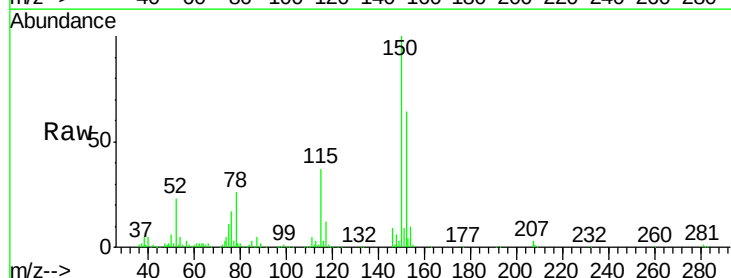
RT: 13.34 min Scan# 3598

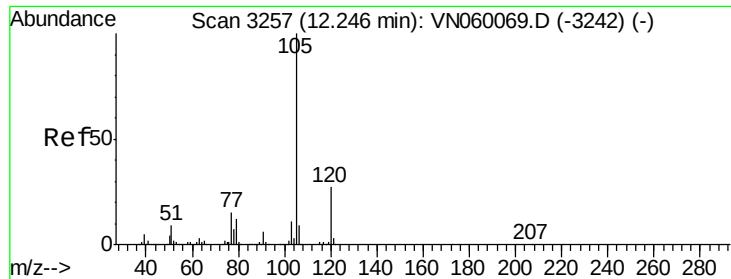
Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	152	Resp:	155655
Ion Ratio	Lower	Upper	
152	100		
115	59.2	28.9	86.8
150	162.9	0.0	342.4





#73

Isopropylbenzene

Concen: 18.966 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBS01

Tot Ion: 105 Resp: 220452

Ion Ratio Lower Upper

105 100

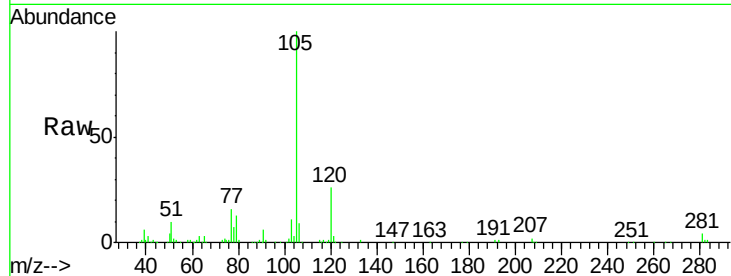
120 26.4 13.3 39.8

Manual Integrations

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2/27/2020 9:40:51 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

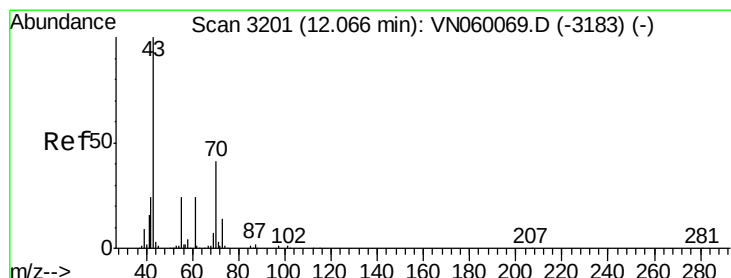
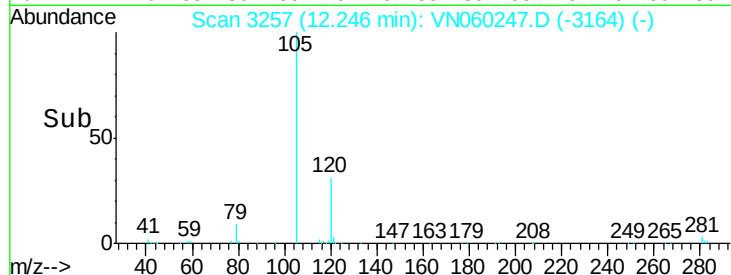
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 22.470 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion: 43 Resp: 94181

Ion Ratio Lower Upper

43 100

70 40.2 33.4 50.0

55 23.5 18.8 28.2

61 22.9 19.2 28.8

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

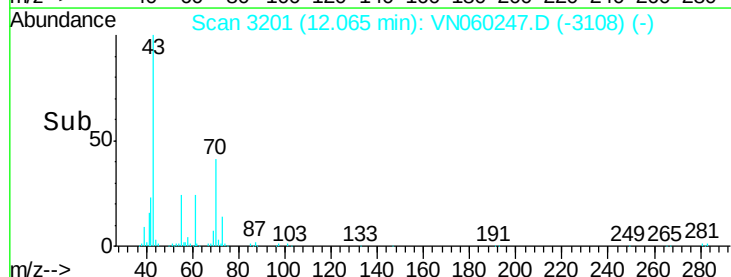
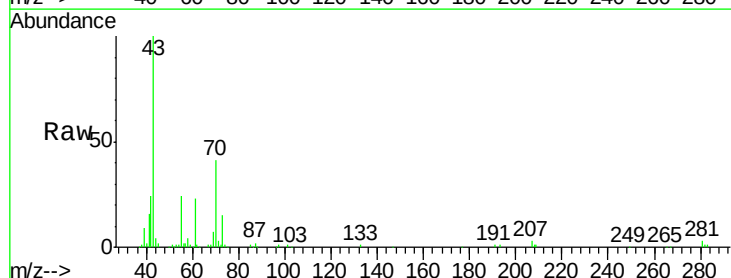
60000

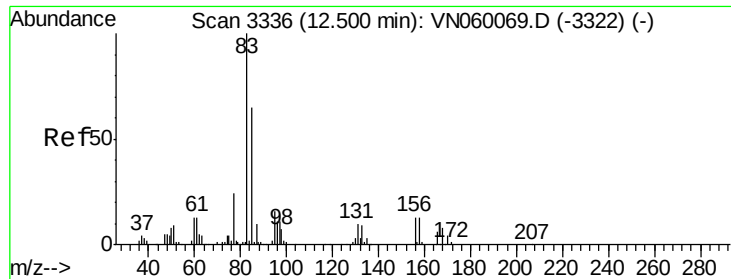
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 17.815 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

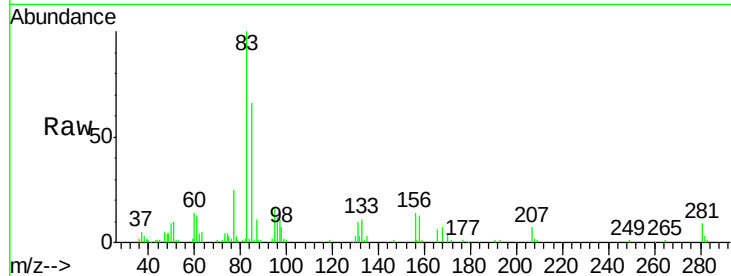
ClientSampleId :

VN0226WBS01

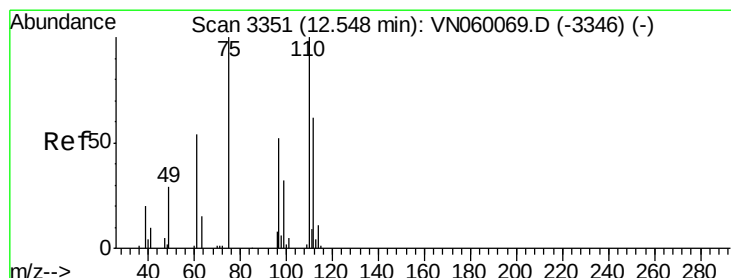
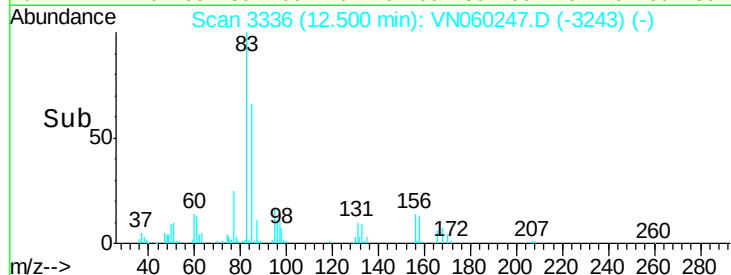
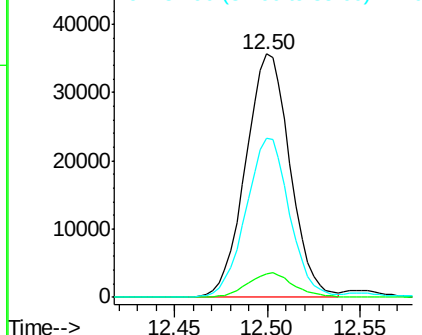
Tot Ion:	83	Resp:	59603
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.2	15.6
85	64.2	32.3	96.9

Manual Integrations
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2/27/2020 9:40:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060069.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 20.435 ug/l m

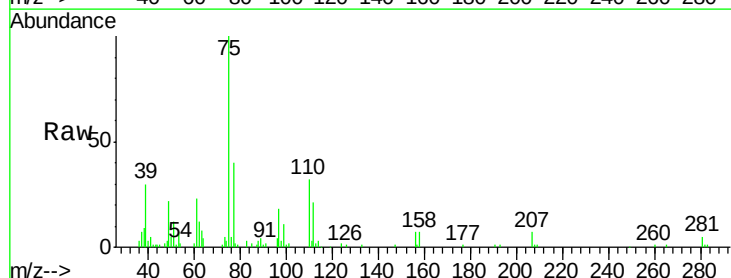
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

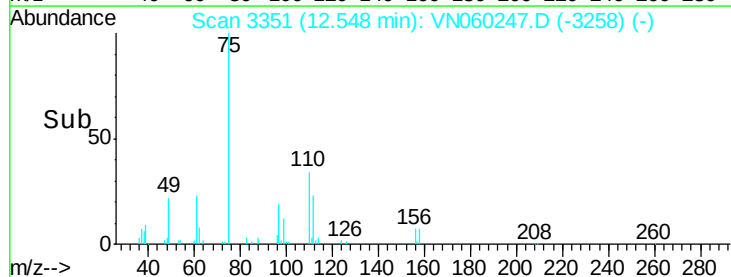
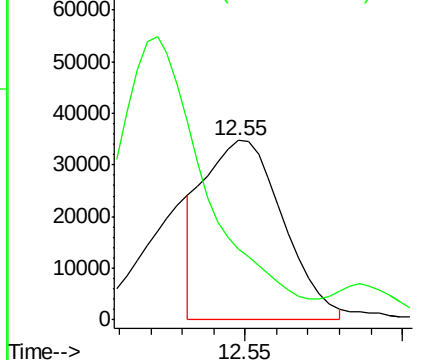
Lab File: VN060247.D

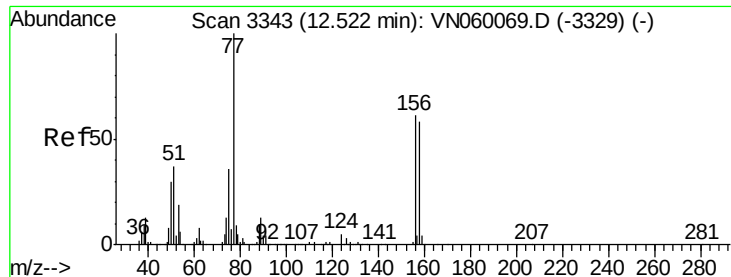
Acq: 26 Feb 2020 13:28

Tgt Ion:	75	Resp:	60857
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-3346) (-)





#77

Bromobenzene

Concen: 18.722 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

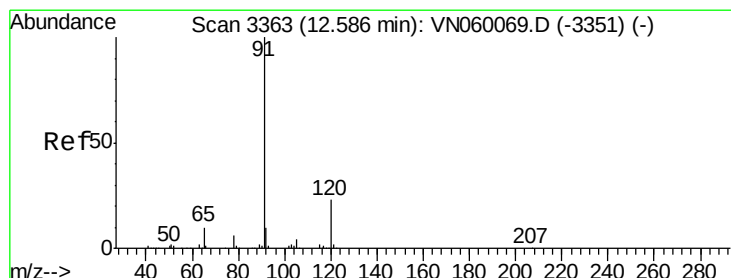
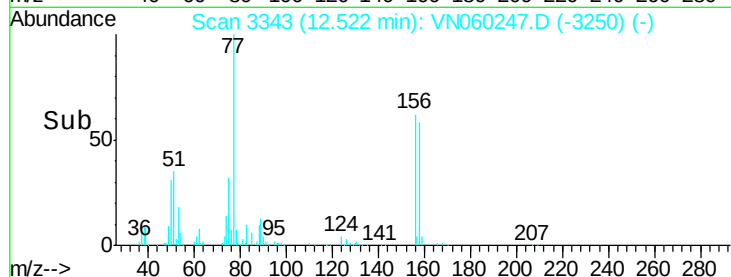
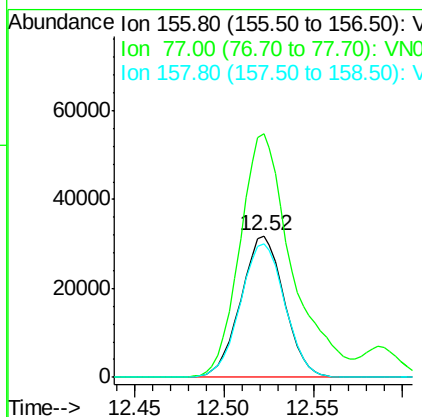
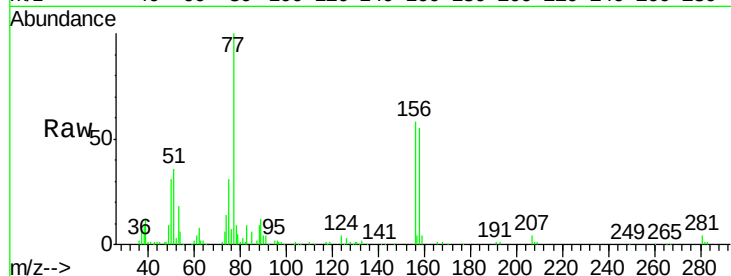
ClientSampleId :

VN0226WBS01

Tot Ion:	156	Resp:	54005
Ion	Ratio	Lower	Upper
156	100		
77	205.8	98.7	296.1
158	96.7	48.1	144.4

Manual Integrations
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2/27/2020 9:40:51 AM



#78

n-propylbenzene

Concen: 19.712 ug/l

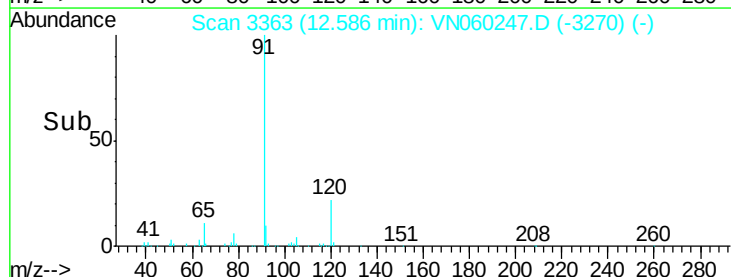
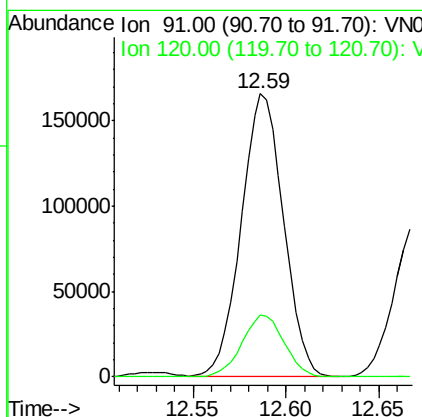
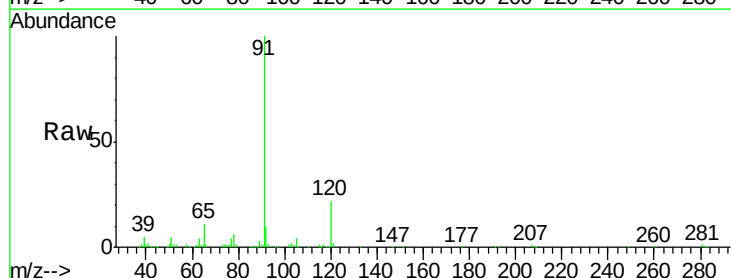
RT: 12.59 min Scan# 3363

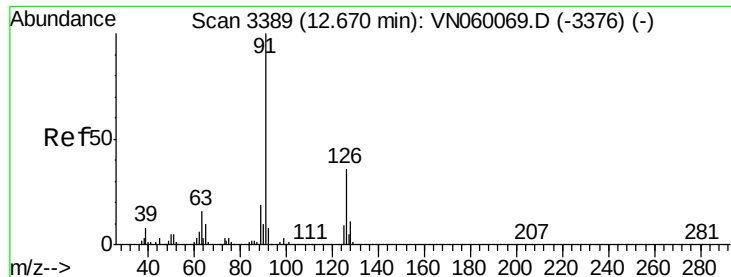
Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	91	Resp:	261040
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.5	34.5





#79

2-Chlorotoluene

Concen: 19.441 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

ClientSampled :

VN0226WBS01

Tot Ion: 91 Resp: 151323

Ion Ratio Lower Upper

91 100

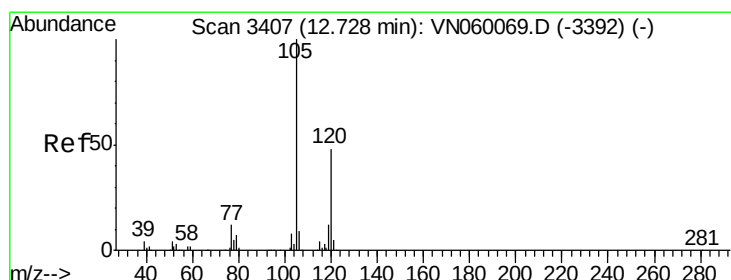
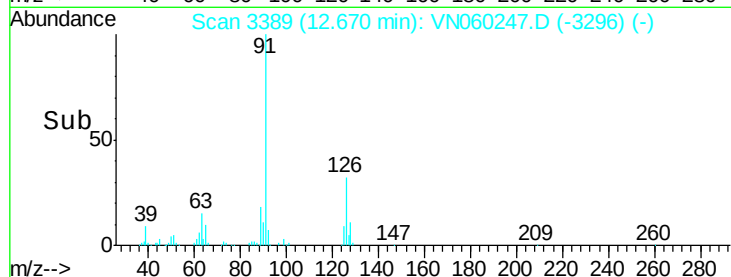
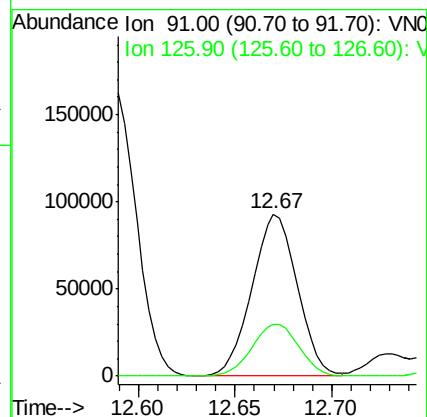
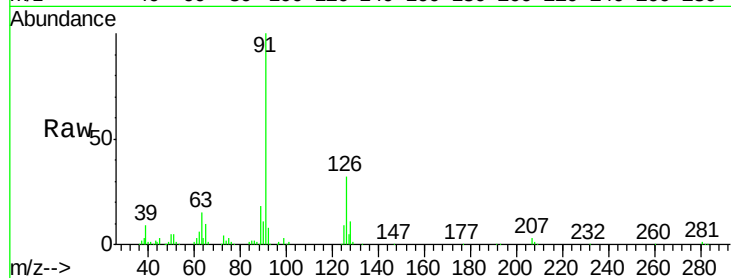
126 33.3 17.4 52.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.541 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060247.D

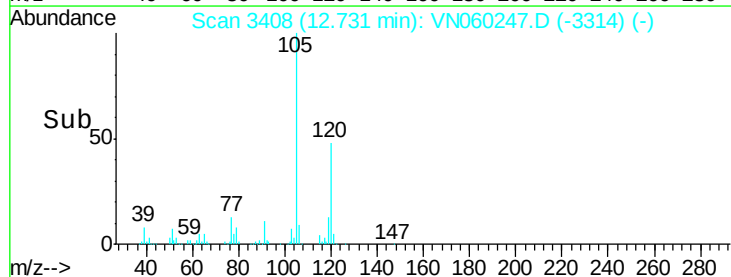
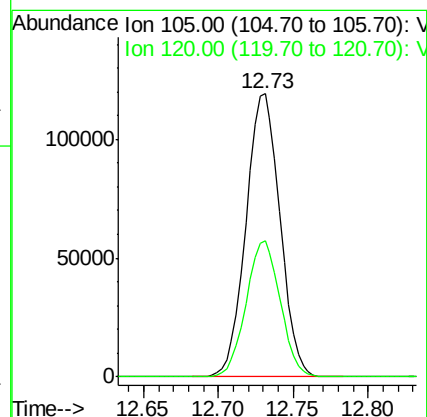
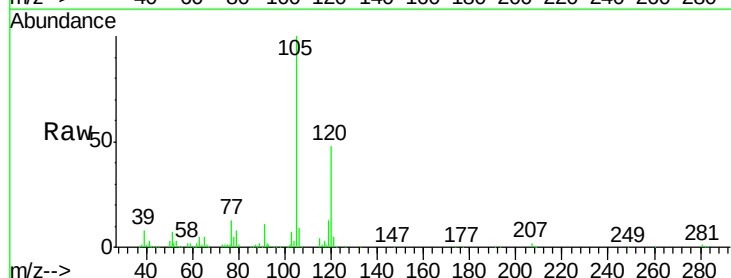
Acq: 26 Feb 2020 13:28

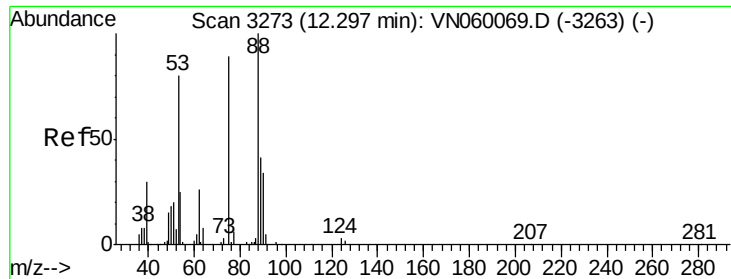
Tgt Ion: 105 Resp: 188848

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.9





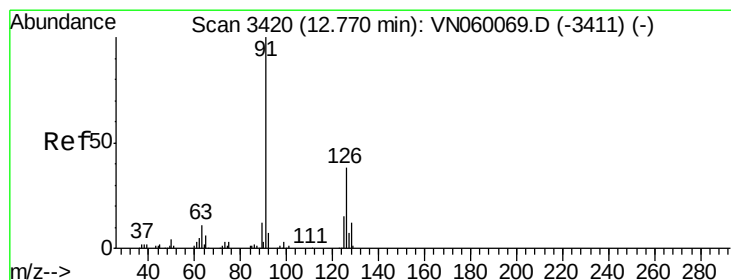
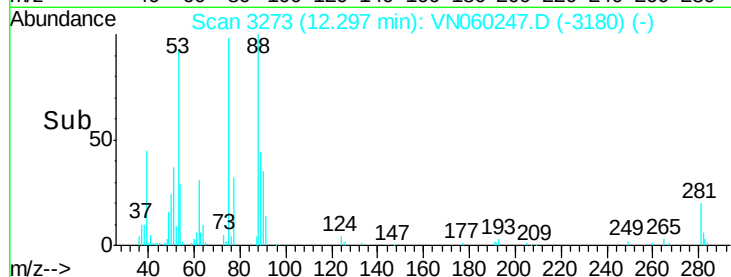
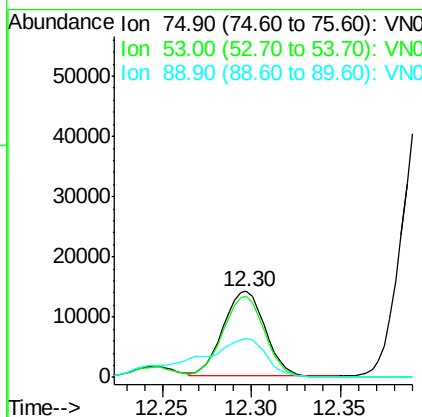
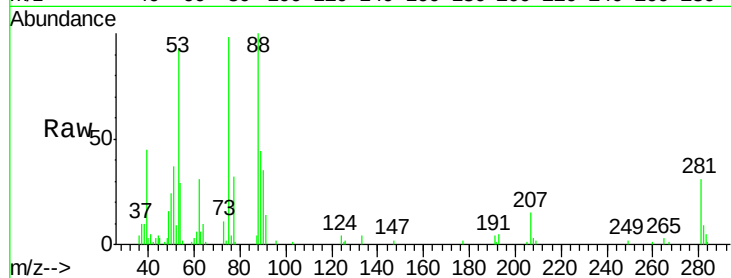
#81
trans-1,4-Dichloro-2-butene
Concen: 18.952 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	73.9	110.9
89	78.5	37.0	55.4

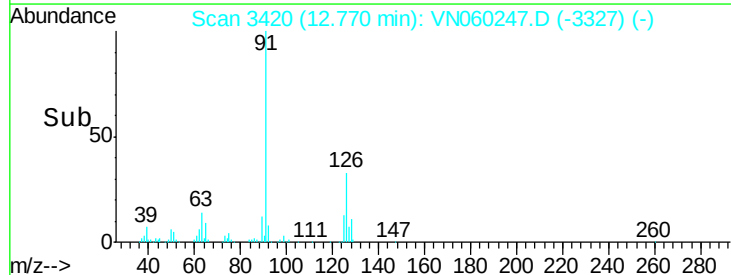
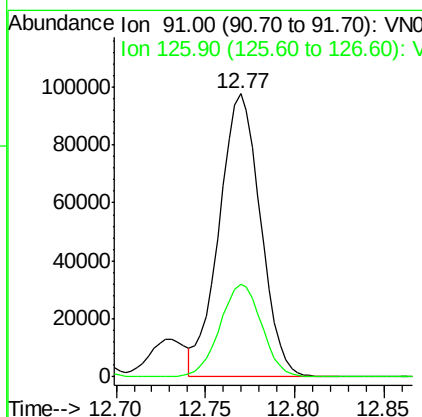
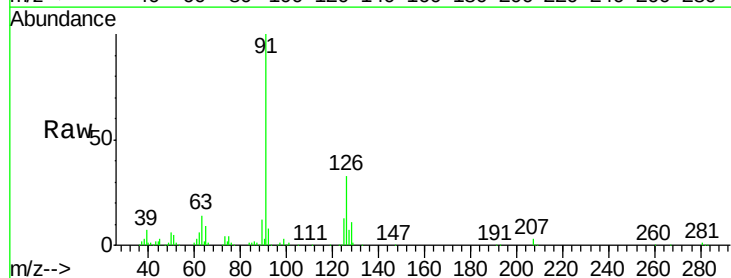
Manual Integrations
APPROVED

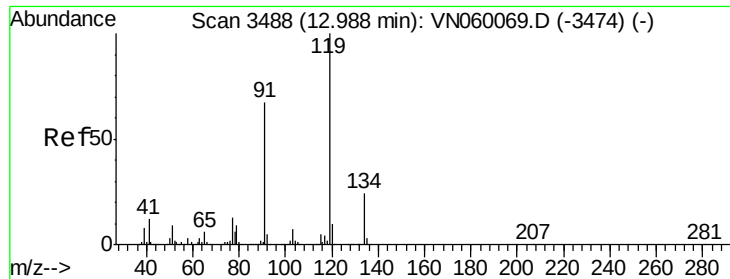
MMDadoda
2/27/2020 9:40:51 AM



#82
4-Chlorotoluene
Concen: 19.705 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	17.1	51.3





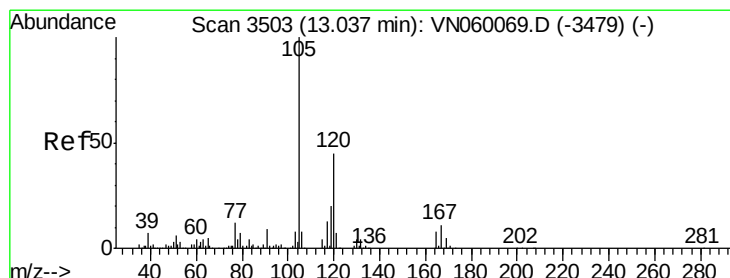
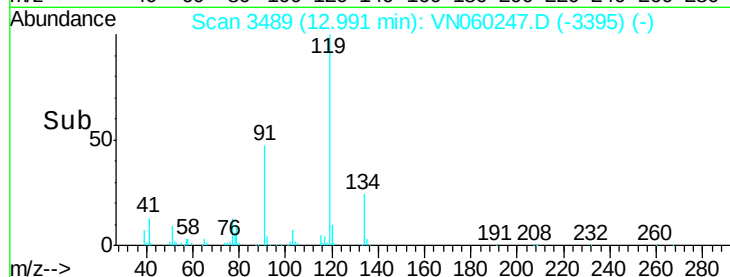
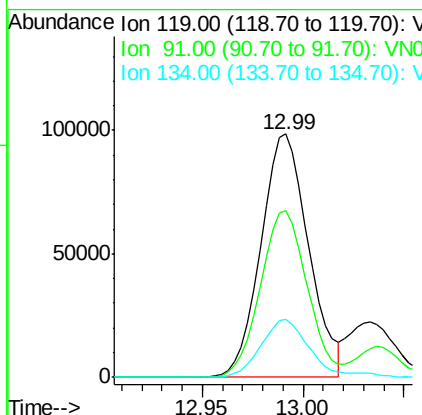
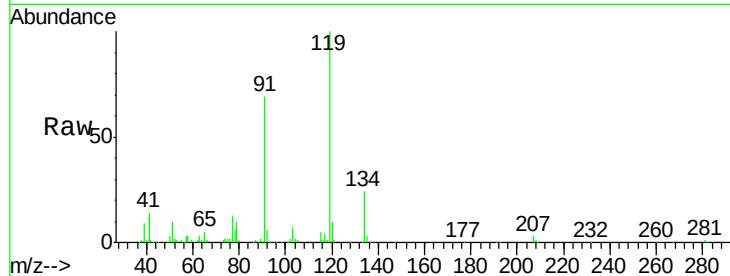
#83
 tert-Butylbenzene
 Concen: 18.946 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	161974		
91	67.5	32.7	98.1	
134	24.8	12.9	38.7	

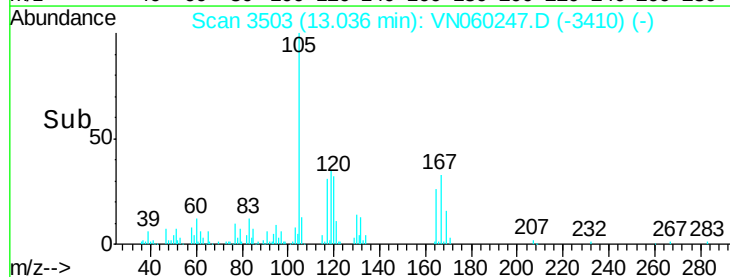
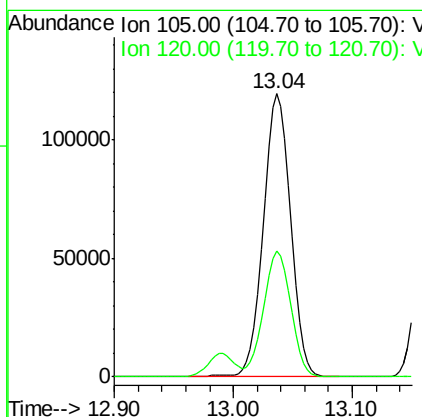
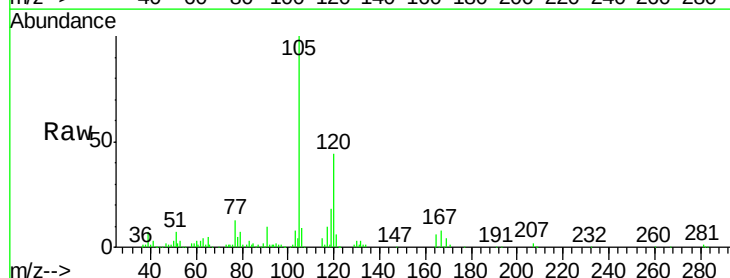
Manual Integrations
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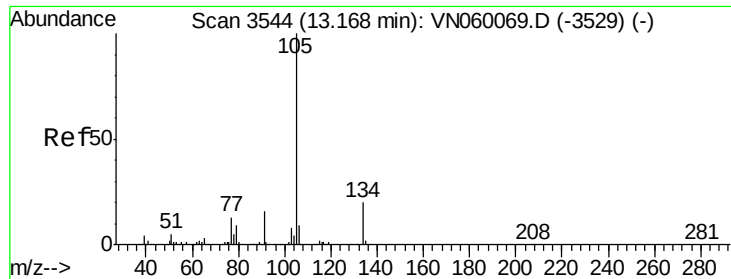
MMDadoda
 2/27/2020 9:40:51 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.874 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	189594		
120	44.5	22.4	67.3	





#85

sec-Butylbenzene

Concen: 19.112 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

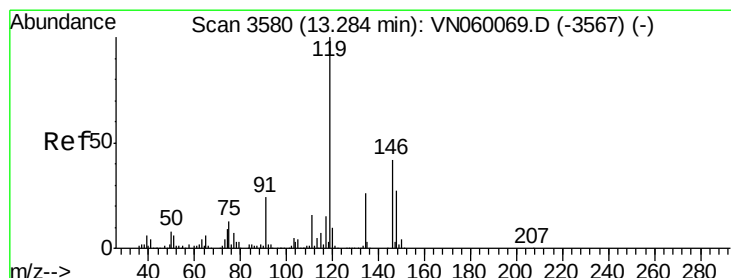
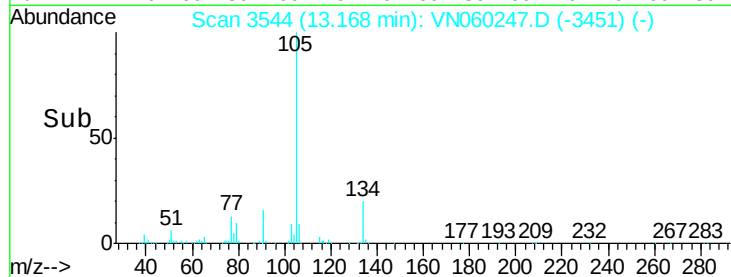
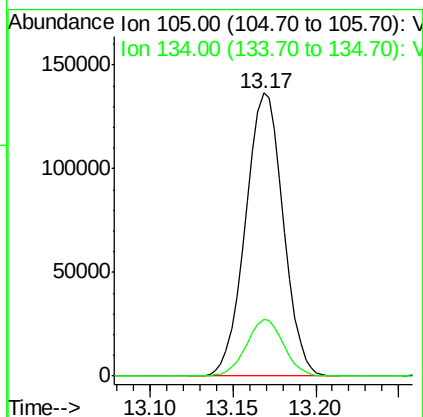
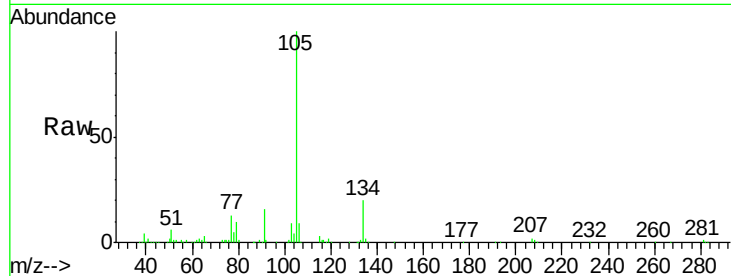
ClientSampled :

VN0226WBS01

Tot Ion:	105	Resp:	216388
Ion Ratio	Lower	Upper	
105	100		
134	20.0	9.9	29.7

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 19.267 ug/l

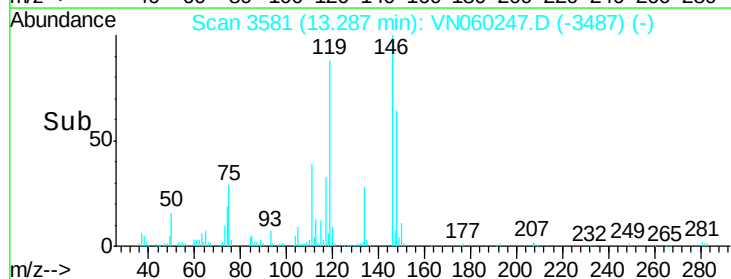
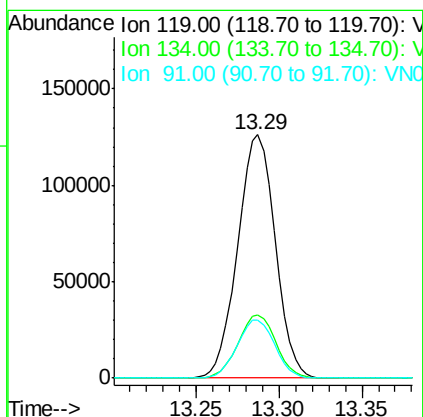
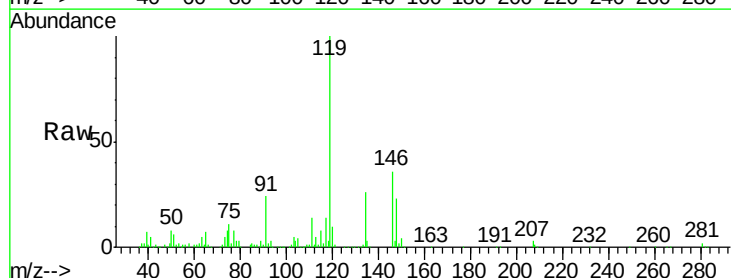
RT: 13.29 min Scan# 3581

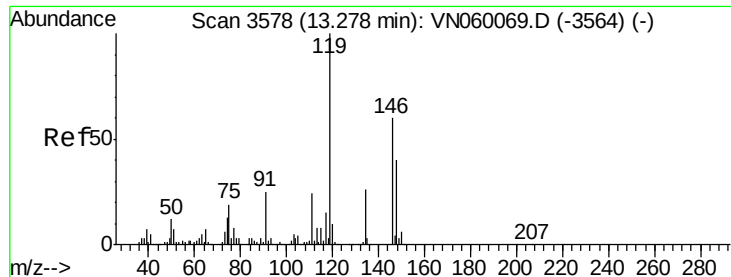
Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	119	Resp:	197647
Ion Ratio	Lower	Upper	
119	100		
134	26.5	13.3	39.8
91	24.2	11.9	35.9





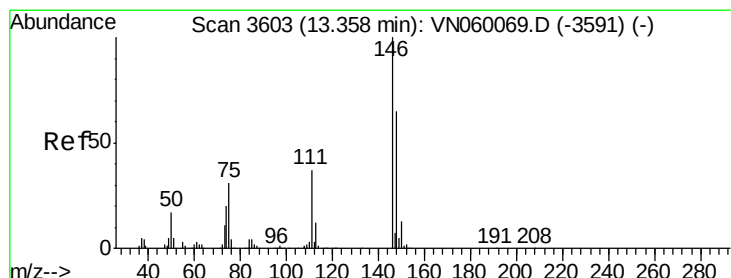
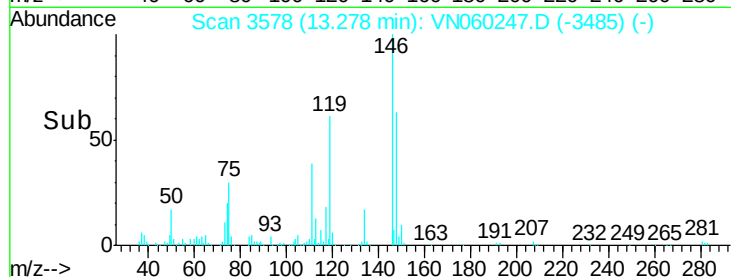
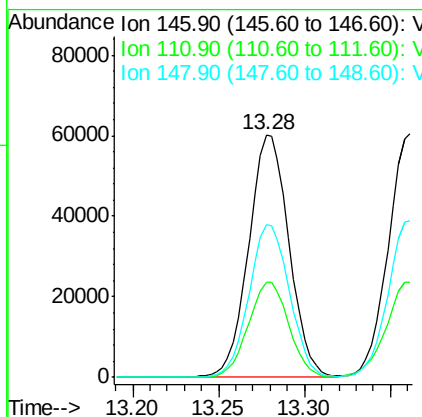
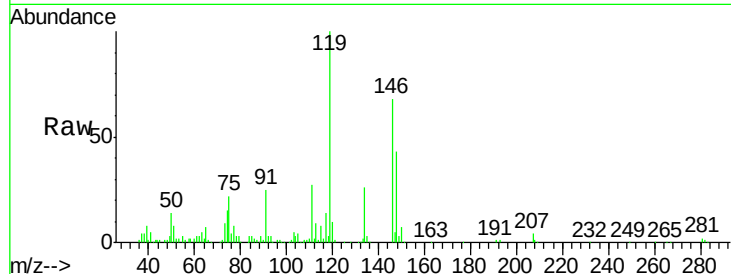
#87
 1,3-Dichlorobenzene
 Concen: 19.151 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	63.2	32.0	96.2

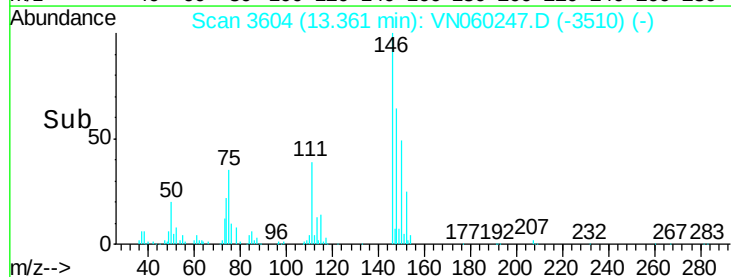
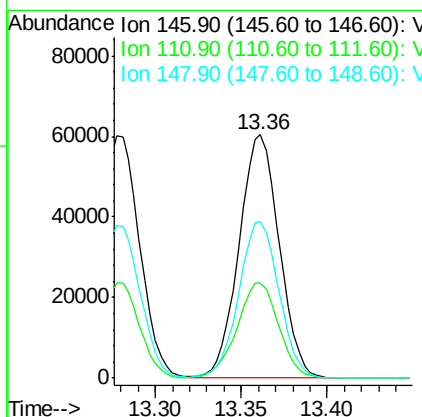
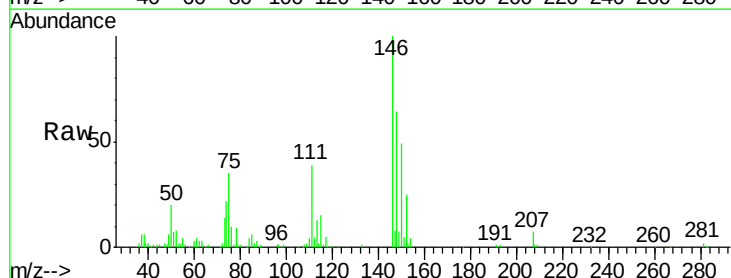
Manual Integrations
 APPROVED

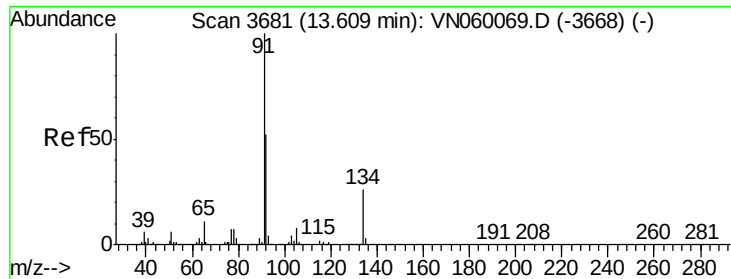
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 2/27/2020 9:40:51 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.186 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.9	56.5
148	64.4	32.0	96.0





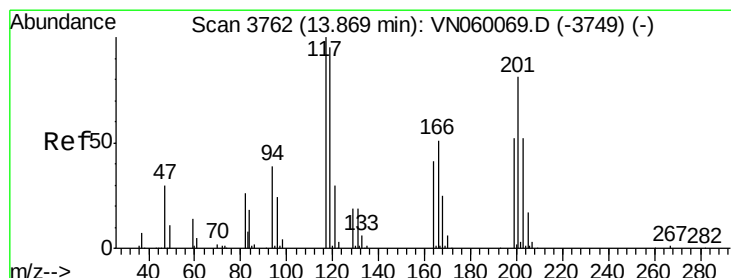
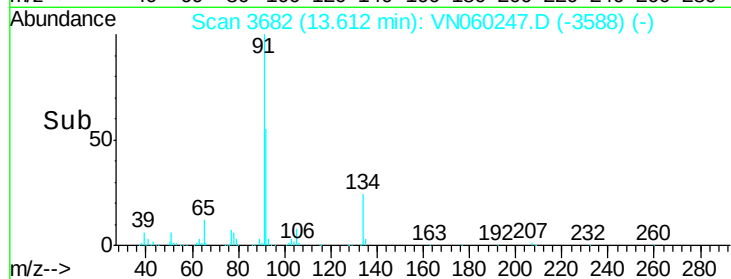
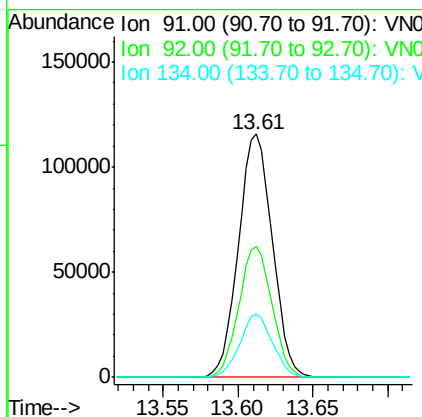
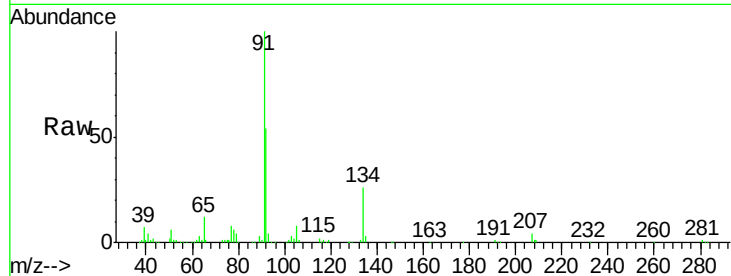
#89
n-Butylbenzene
Concen: 20.193 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.2
134	25.1	13.1	39.3

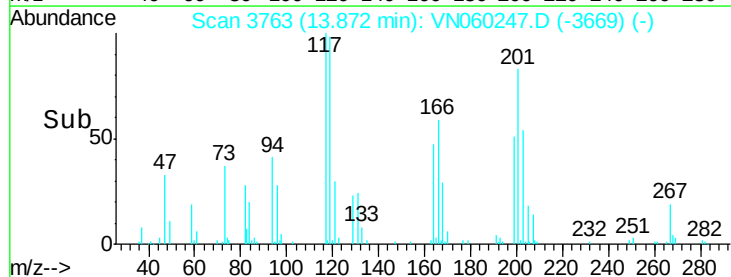
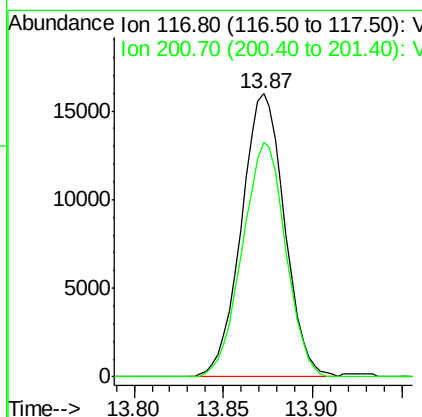
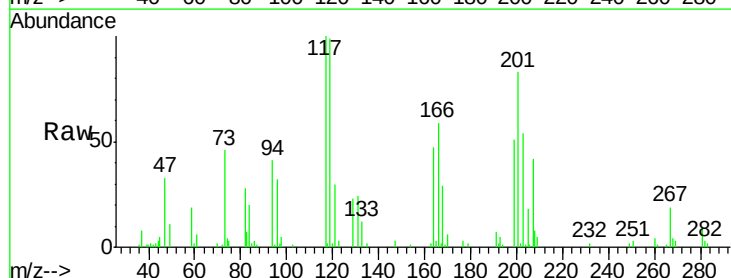
Manual Integrations
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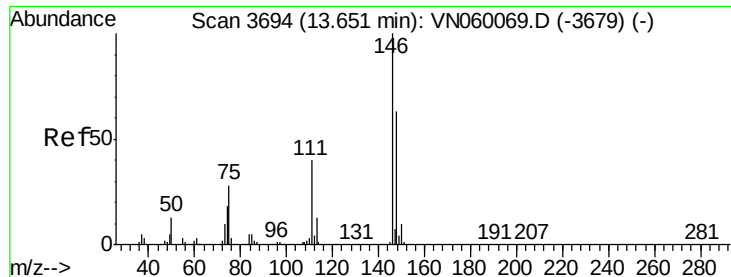
MMDadoda
2/27/2020 9:40:51 AM



#90
Hexachloroethane
Concen: 14.076 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.9	41.7	125.1





#91

1,2-Dichlorobenzene

Concen: 18.813 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Instrument :

MSVOA_N

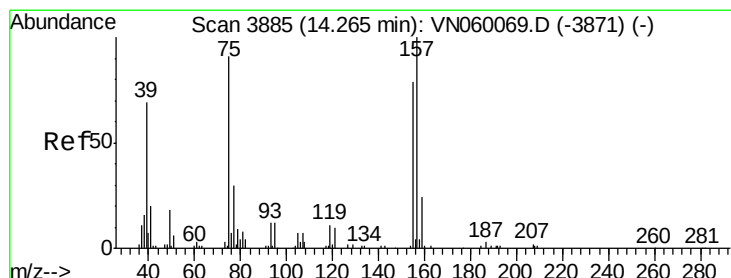
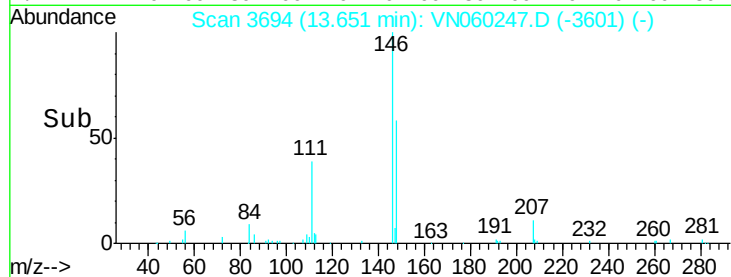
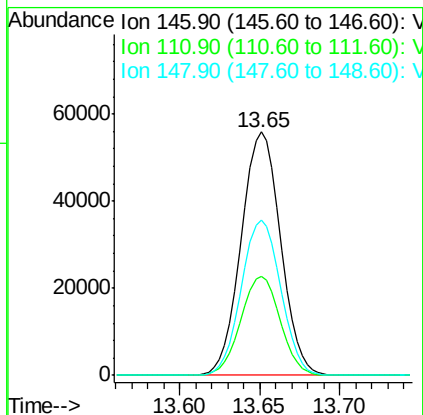
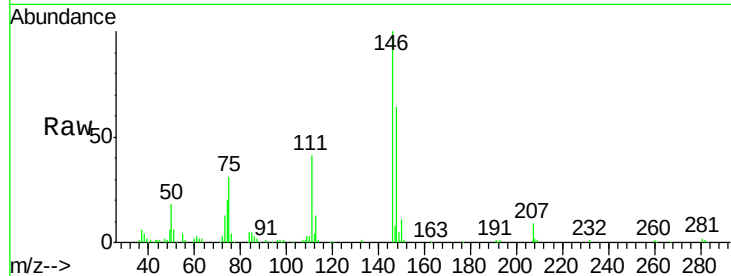
ClientSampleId :

VN0226WBS01

Tot Ion:	146	Resp:	94007
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.1	60.2
148	64.0	31.9	95.5

Manual Integrations
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MMDadoda
2/27/2020 9:40:51 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.653 ug/l

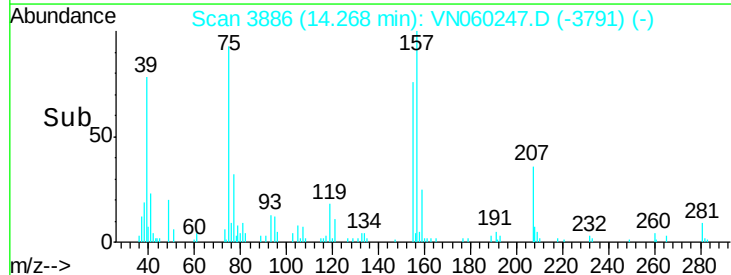
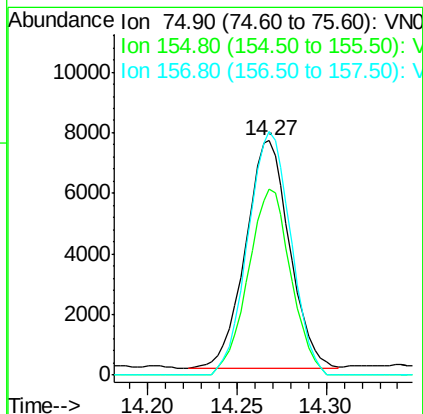
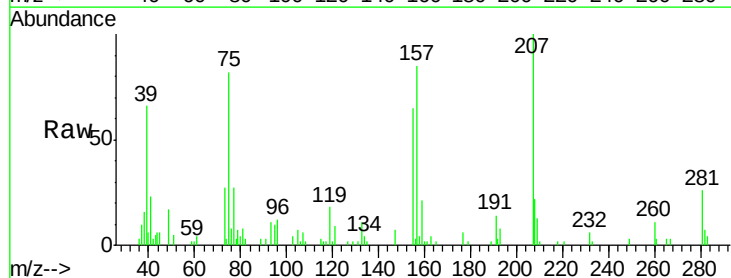
RT: 14.27 min Scan# 3886

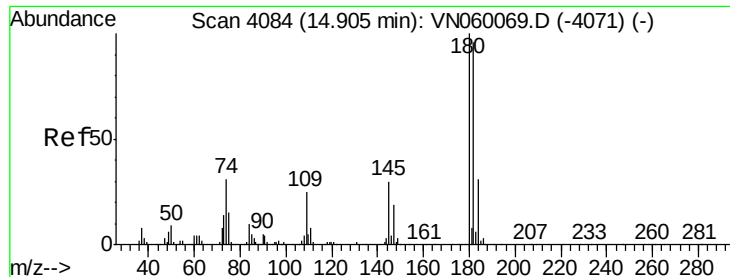
Delta R.T. 0.00 min

Lab File: VN060247.D

Acq: 26 Feb 2020 13:28

Tgt Ion:	75	Resp:	12913
Ion Ratio	Lower	Upper	
75	100		
155	79.2	43.0	129.0
157	104.4	54.9	164.5





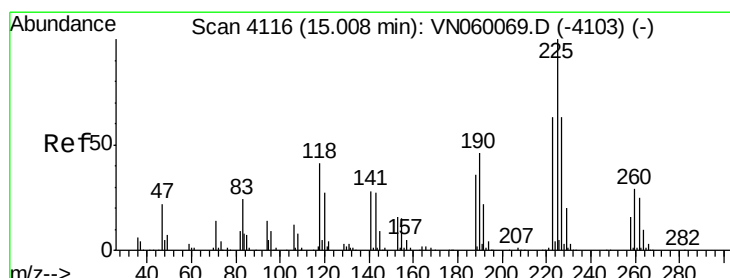
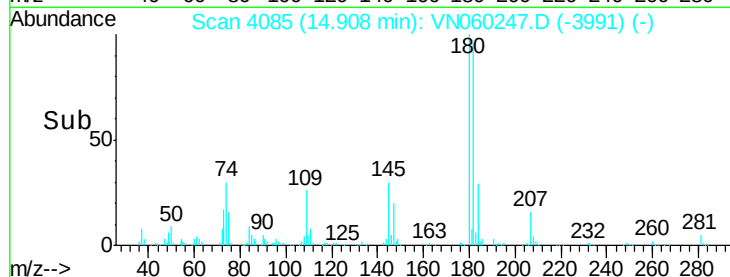
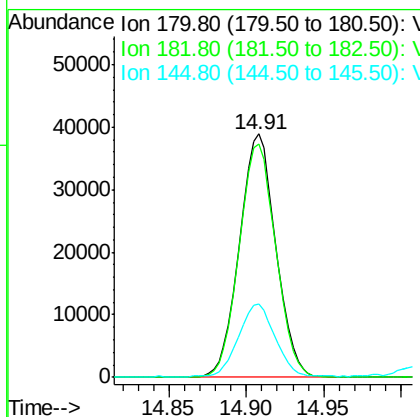
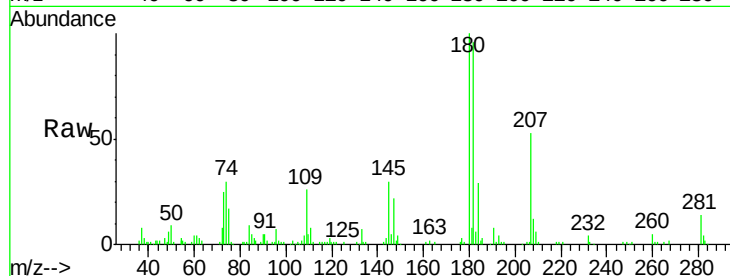
#93
 1,2,4-Trichlorobenzene
 Concen: 21.641 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.8
145	30.7	15.2	45.5

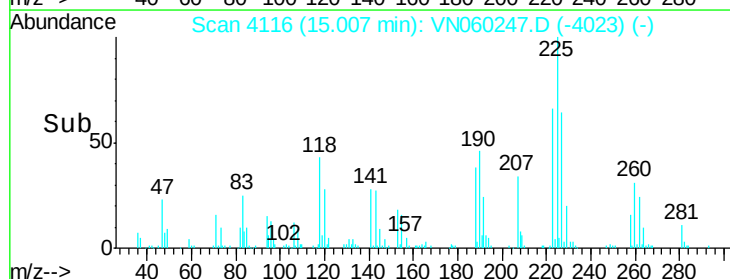
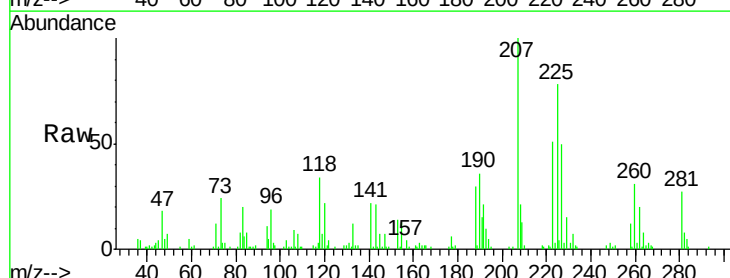
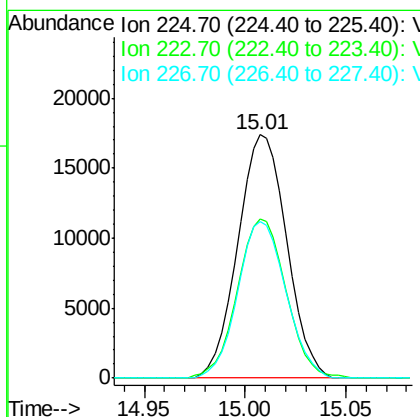
Manual Integrations
 APPROVED

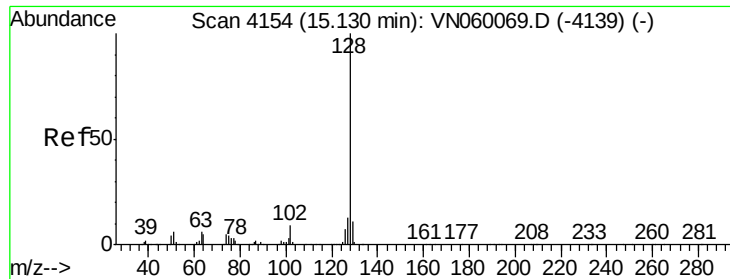
MMDadoda
 2/27/2020 9:40:51 AM



#94
 Hexachlorobutadiene
 Concen: 17.130 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060247.D
 Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.5	94.5
227	63.6	31.8	95.4





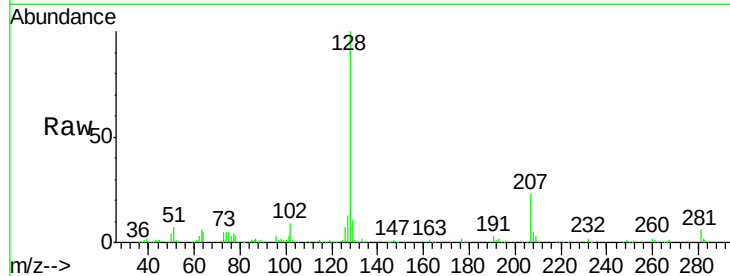
#95
Naphthalene
Concen: 23.718 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	188113		
127	12.8	10.3	15.5	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/27/2020 9:40:51 AM

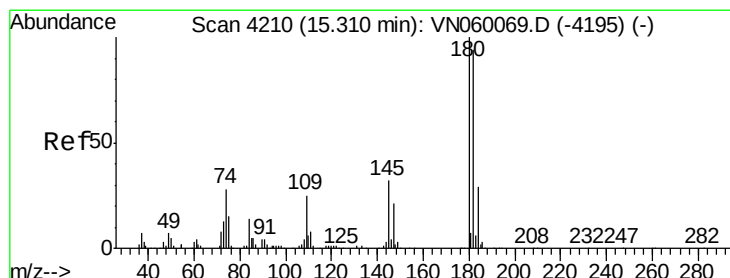
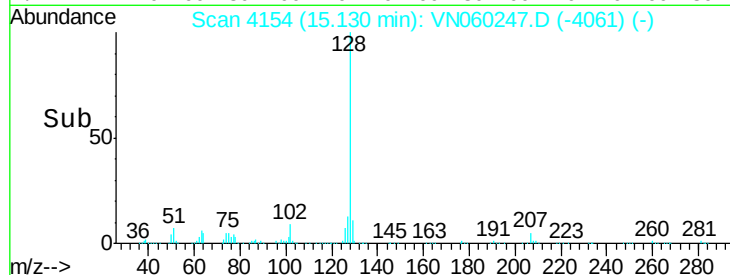
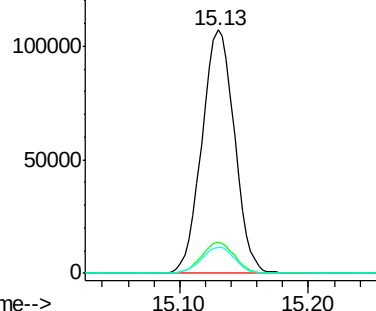


Abundance

Ion 128.00 (127.70 to 128.70): V

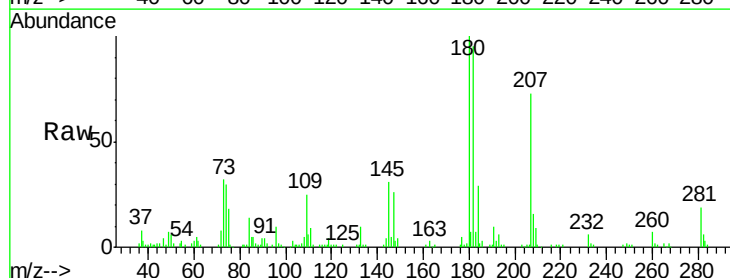
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.230 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060247.D
Acq: 26 Feb 2020 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	62075		
182	93.0	47.5	142.5	
145	32.2	16.1	48.3	



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

