

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060146.D
 Acq On : 19 Feb 2020 11:19
 Operator : JC/MD
 Sample : VN0219WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 11:48:22 AM

Quant Time: Feb 20 02:44:09 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	193792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	301794	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	284352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	135906	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	113663	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	7.56	113	90286	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.08	98	354519	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.40	95	127079	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	37794	19.511	ug/l	98
3) Chloromethane	2.04	50	43943	19.063	ug/l	98
4) Vinyl Chloride	2.17	62	50712	19.300	ug/l	97
5) Bromomethane	2.55	94	31398	19.488	ug/l	97
6) Chloroethane	2.69	64	24613	18.520	ug/l	98
7) Trichlorofluoromethane	3.00	101	63658	18.791	ug/l	100
8) Diethyl Ether	3.38	74	22085	19.585	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	36536	19.426	ug/l	98
10) Methyl Iodide	3.93	142	46581	20.001	ug/l	99
11) Tert butyl alcohol	4.73	59	33267	94.273	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35651	19.458	ug/l	98
13) Acrolein	3.58	56	24032	68.899	ug/l	100
14) Allyl chloride	4.30	41	49843	18.483	ug/l	99
15) Acrylonitrile	4.94	53	83174	96.514	ug/l	98
16) Acetone	3.78	43	88866	86.395	ug/l	100
17) Carbon Disulfide	4.03	76	99356	17.991	ug/l	99
18) Methyl Acetate	4.29	43	38780	20.070	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	116087	18.840	ug/l	99
20) Methylene Chloride	4.52	84	38904	18.958	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	37471	18.761	ug/l	98
22) Diisopropyl ether	5.91	45	114146	19.313	ug/l	99
23) Vinyl Acetate	5.86	43	474126	95.528	ug/l	99
24) 1,1-Dichloroethane	5.82	63	69464	19.402	ug/l	99
25) 2-Butanone	6.80	43	116679	90.194	ug/l	98
26) 2,2-Dichloropropane	6.80	77	65175	19.165	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44478	19.029	ug/l	99
28) Bromochloromethane	7.17	49	26544	18.858	ug/l	99
29) Tetrahydrofuran	7.18	42	74286	93.603	ug/l	99
30) Chloroform	7.35	83	72330	19.286	ug/l	97
31) Cyclohexane	7.63	56	64505	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	65580	19.135	ug/l	100
36) 1,1-Dichloropropene	7.77	75	53514	19.144	ug/l	99
37) Ethyl Acetate	6.90	43	49185	19.469	ug/l	98
38) Carbon Tetrachloride	7.75	117	57307	18.877	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	65946	19.005	ug/l	98
40) Benzene	8.02	78	157393	18.981	ug/l	100
41) Methacrylonitrile	7.15	41	21581m	20.369	ug/l	
42) 1,2-Dichloroethane	8.10	62	56860	19.565	ug/l	100
43) Isopropyl Acetate	8.14	43	82175	19.028	ug/l	99
44) Trichloroethene	8.82	130	43635	19.005	ug/l	99
45) 1,2-Dichloropropane	9.10	63	40980	19.962	ug/l	99
46) Dibromomethane	9.19	93	28005	19.304	ug/l	97
47) Bromodichloromethane	9.39	83	56469	19.146	ug/l	99
48) Methyl methacrylate	9.18	41	35057	18.093	ug/l	98
49) 1,4-Dioxane	9.18	88	13386	404.340	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	239963	95.998	ug/l	100
52) Toluene	10.14	92	101683	19.123	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64073	19.246	ug/l	96
54) cis-1,3-Dichloropropene	9.82	75	67042	19.124	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	40023	19.293	ug/l	98
56) Ethyl methacrylate	10.42	69	55306	18.846	ug/l	97
57) 1,3-Dichloropropane	10.70	76	66626	19.464	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	133580	97.709	ug/l	99
59) 2-Hexanone	10.74	43	176932	91.631	ug/l	99
60) Dibromochloromethane	10.89	129	44523	18.703	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40915	18.815	ug/l	97
64) Tetrachloroethene	10.62	164	41557	19.225	ug/l	98
65) Chlorobenzene	11.43	112	108900	18.798	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41445	18.911	ug/l	99
67) Ethyl Benzene	11.50	91	197526	18.905	ug/l	100
68) m/p-Xylenes	11.62	106	147110	37.514	ug/l	99
69) o-Xylene	11.94	106	70630	18.706	ug/l	100
70) Styrene	11.96	104	112298	18.444	ug/l	99
71) Bromoform	12.12	173	32288	18.317	ug/l #	97
73) Isopropylbenzene	12.25	105	191744	18.893	ug/l	99
74) N-amyl acetate	12.07	43	67744	18.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55443	18.980	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	50446m	19.401	ug/l	
77) Bromobenzene	12.52	156	48502	19.258	ug/l	99
78) n-propylbenzene	12.59	91	217766	18.833	ug/l	100
79) 2-Chlorotoluene	12.67	91	128166	18.858	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	160788	19.055	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19244	18.121	ug/l	96
82) 4-Chlorotoluene	12.77	91	131871	18.912	ug/l	99
83) tert-Butylbenzene	12.99	119	140332	18.800	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	160262	19.240	ug/l	100
85) sec-Butylbenzene	13.17	105	186245	18.840	ug/l	100
86) p-Isopropyltoluene	13.28	119	169615	18.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84000	18.842	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	84339	18.921	ug/l	99
89) n-Butylbenzene	13.61	91	147061	18.667	ug/l	99
90) Hexachloroethane	13.87	117	31134	18.606	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	83068	19.039	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11824	18.551	ug/l	92

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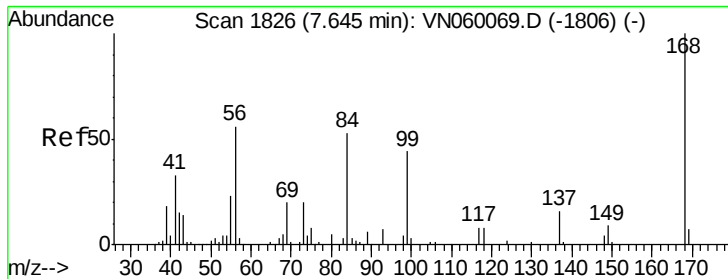
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46962	18.319	ug/l	98
94) Hexachlorobutadiene	15.01	225	27250	18.157	ug/l	99
95) Naphthalene	15.13	128	122136	17.637	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47107	18.452	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion:168 Resp: 193792

Ion Ratio Lower Upper

168 100

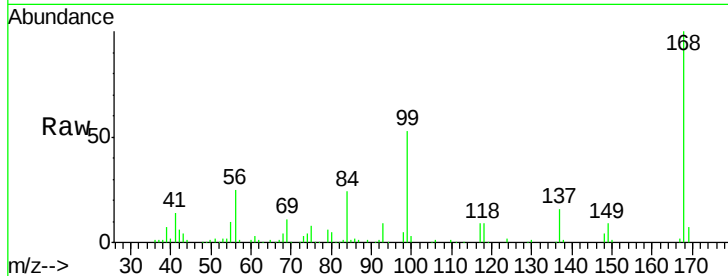
99 52.7 42.7 64.1

Manual Integrations

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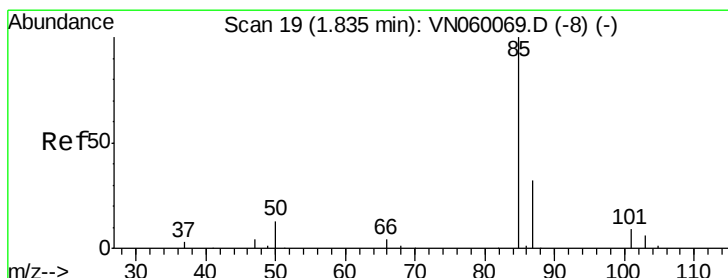
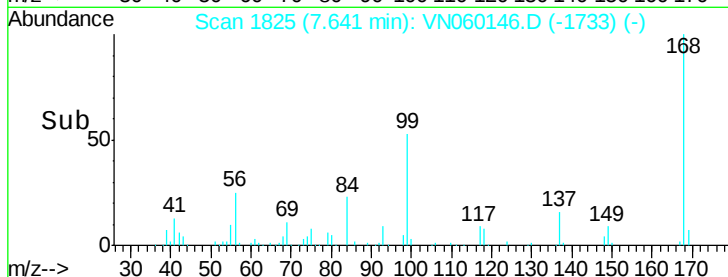
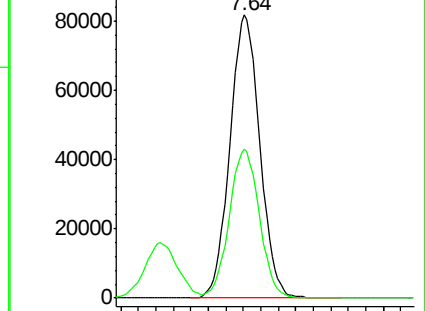
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.511 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060146.D

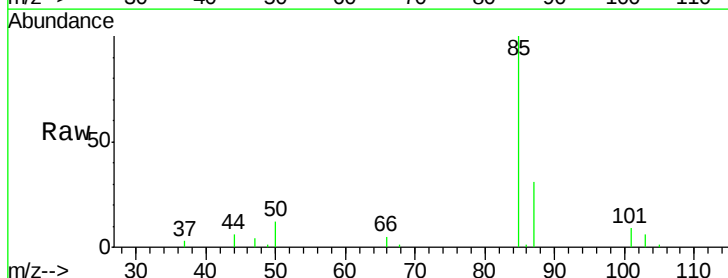
Acq: 19 Feb 2020 11:19

Tgt Ion: 85 Resp: 37794

Ion Ratio Lower Upper

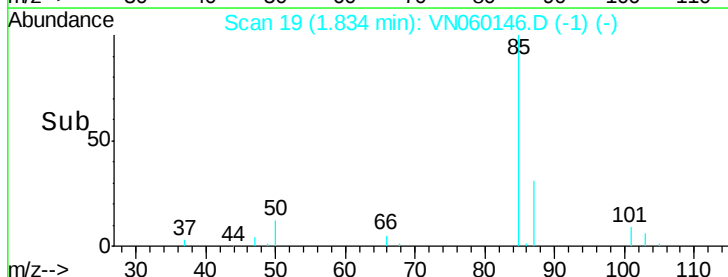
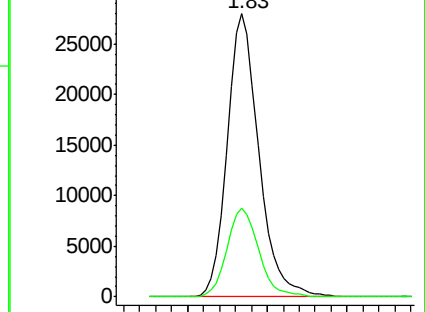
85 100

87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.063 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 50 Resp: 43943

Ion Ratio Lower Upper

50 100

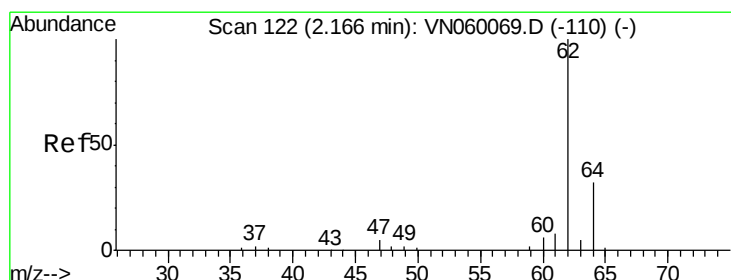
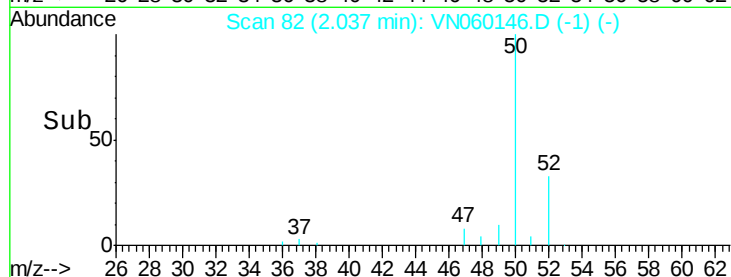
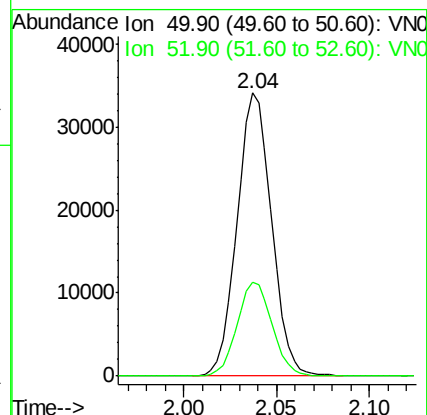
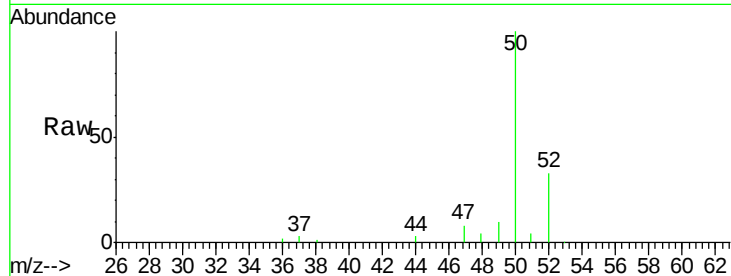
52 33.4 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.300 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN060146.D

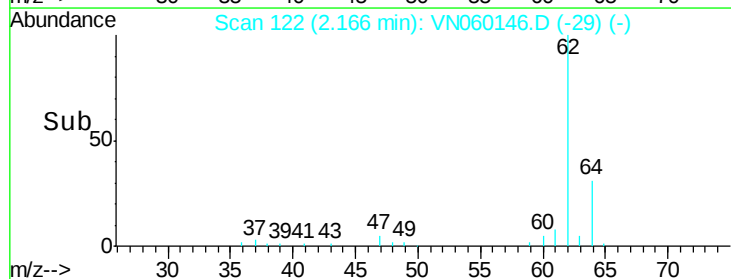
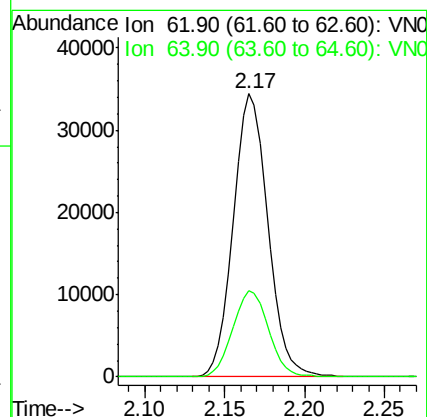
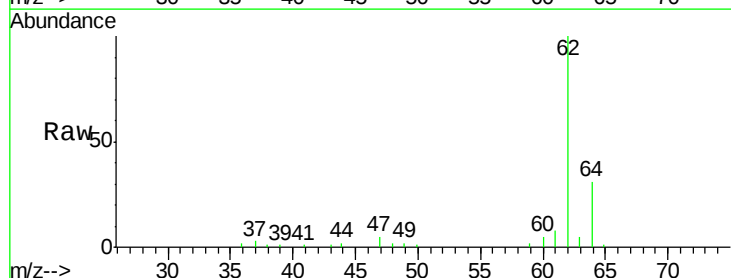
Acq: 19 Feb 2020 11:19

Tgt Ion: 62 Resp: 50712

Ion Ratio Lower Upper

62 100

64 30.6 25.9 38.9





#5

Bromomethane

Concen: 19.488 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 94 Resp: 31398

Ion Ratio Lower Upper

94 100

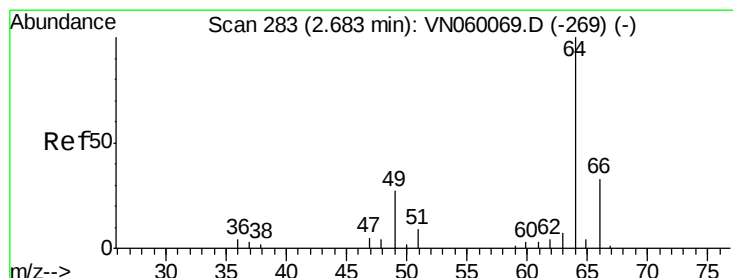
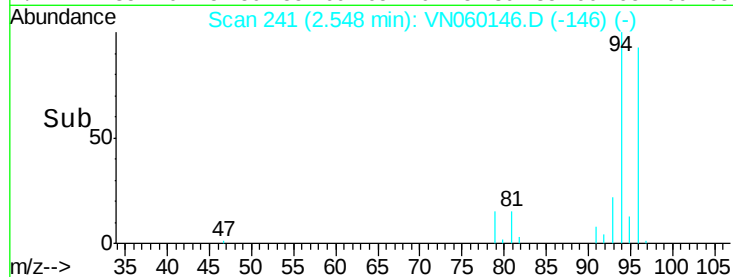
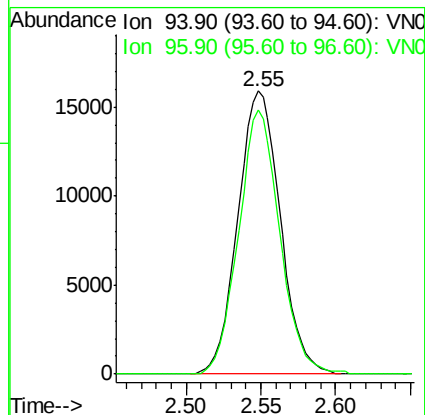
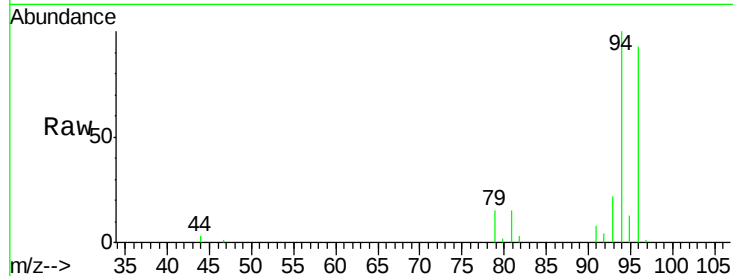
96 93.3 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 18.520 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060146.D

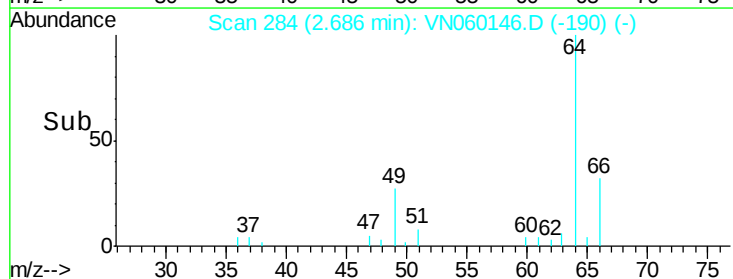
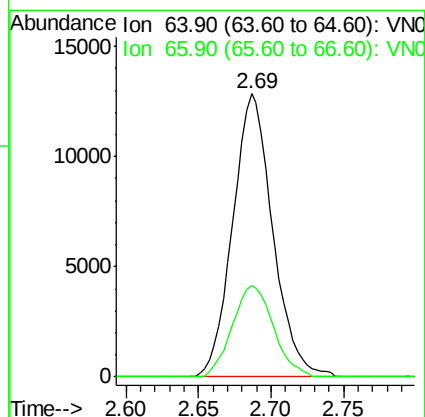
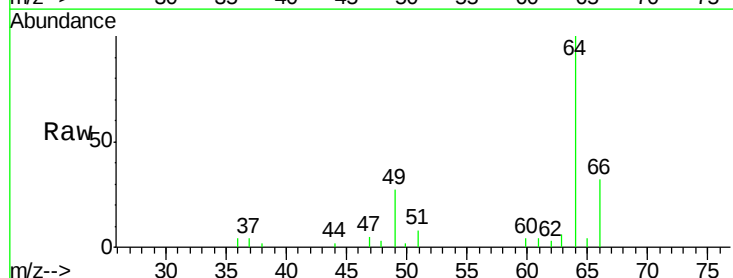
Acq: 19 Feb 2020 11:19

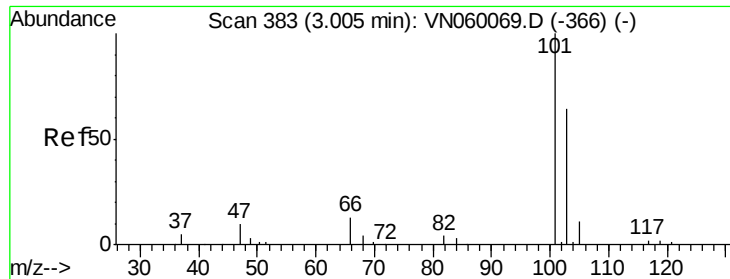
Tgt Ion: 64 Resp: 24613

Ion Ratio Lower Upper

64 100

66 32.3 26.6 40.0





#7

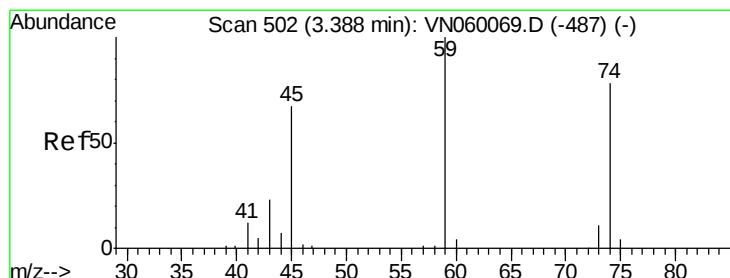
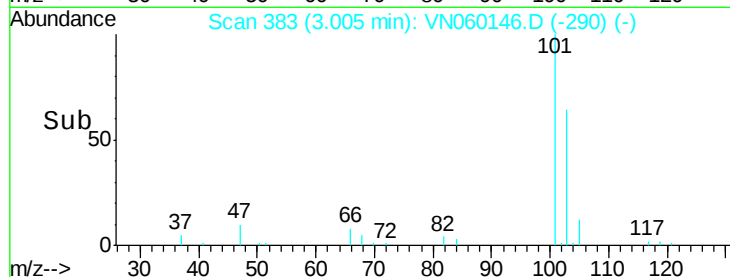
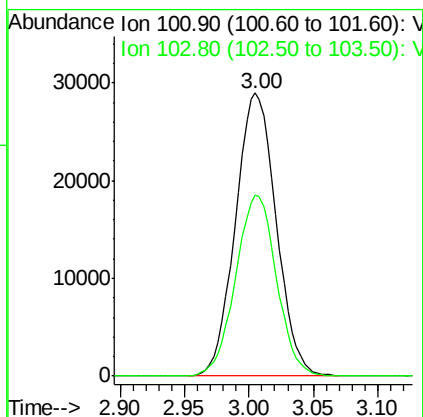
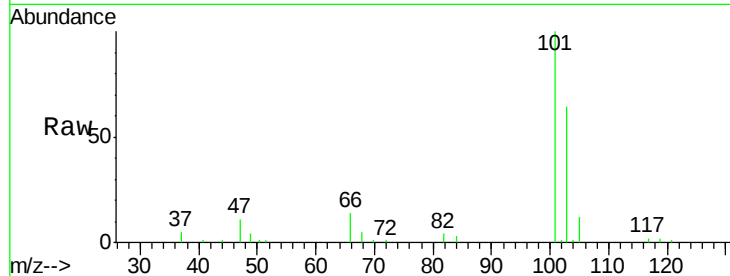
Trichlorofluoromethane
Concen: 18.791 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
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VN0219WBS01

Tot Ion:101 Resp: 63658
Ion Ratio Lower Upper
101 100
103 63.8 51.0 76.6

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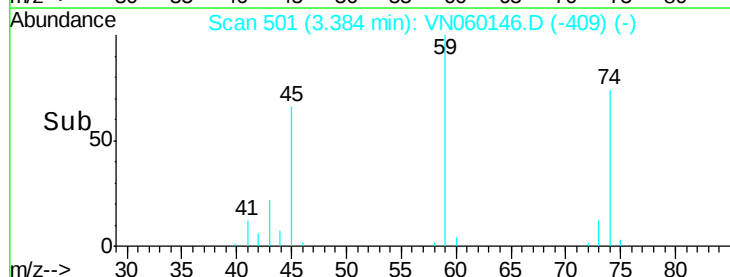
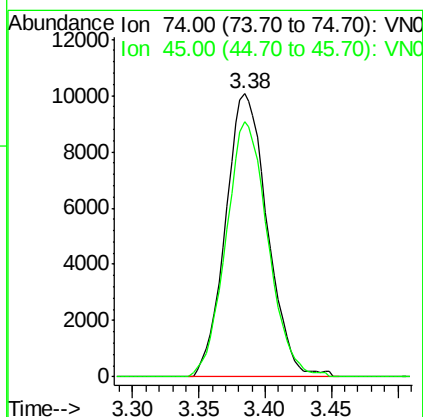
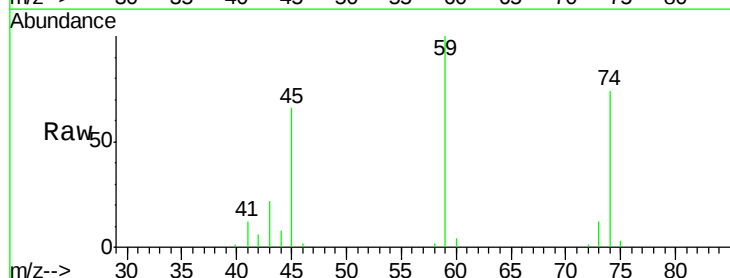
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#8

Diethyl Ether
Concen: 19.585 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 74 Resp: 22085
Ion Ratio Lower Upper
74 100
45 90.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.426 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

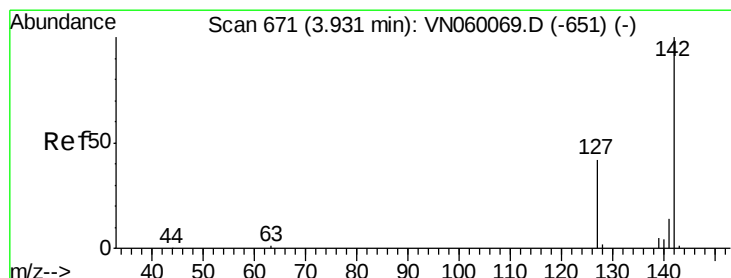
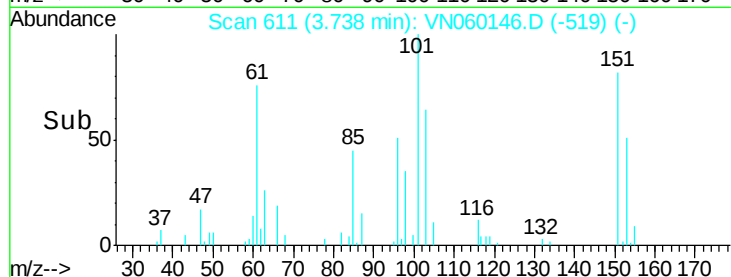
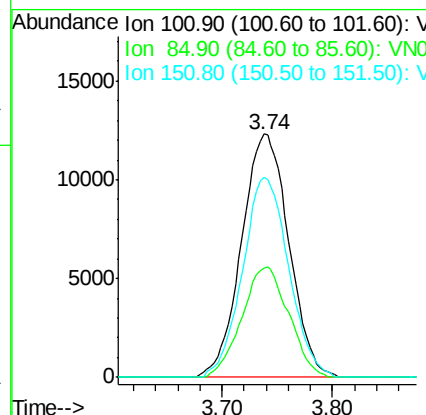
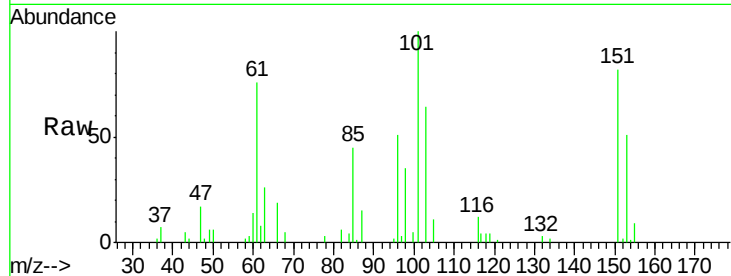
ClientSampleId :

VN0219WBS01

Tot Ion:	101	Resp:	36536
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.1	52.7
151	80.3	65.8	98.6

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#10

Methyl Iodide

Concen: 20.001 ug/l

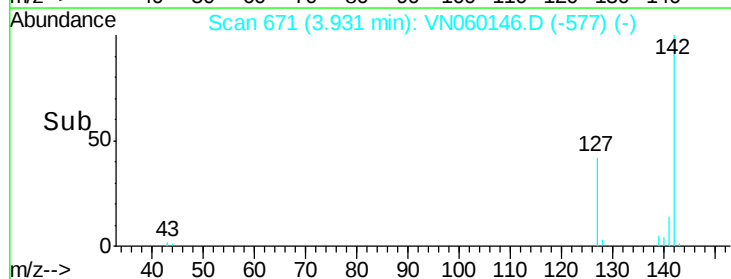
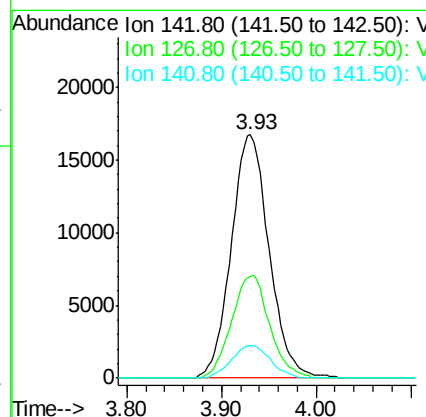
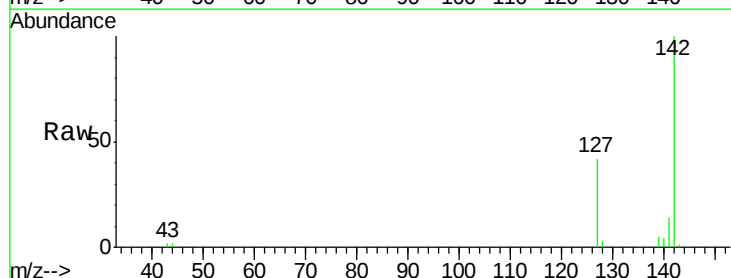
RT: 3.93 min Scan# 671

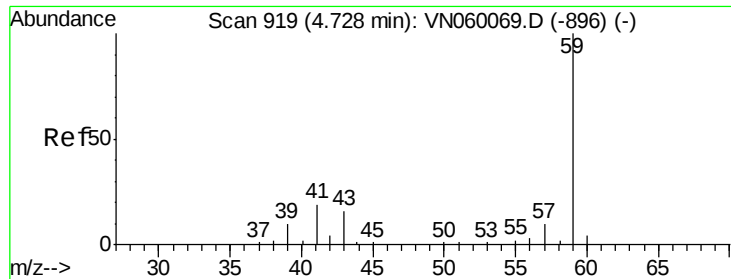
Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	142	Resp:	46581
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.6	50.4
141	13.8	11.4	17.2





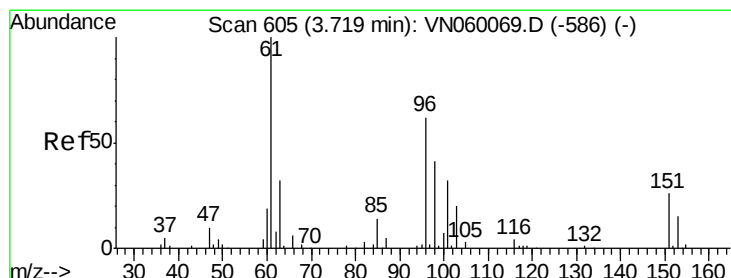
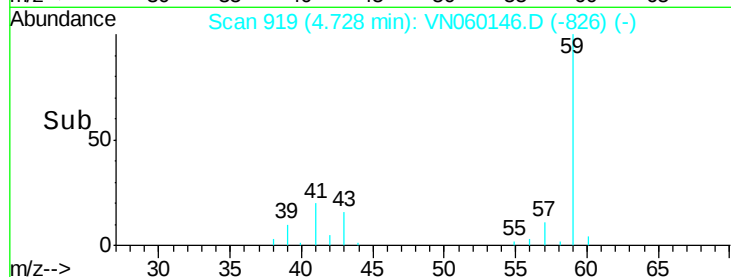
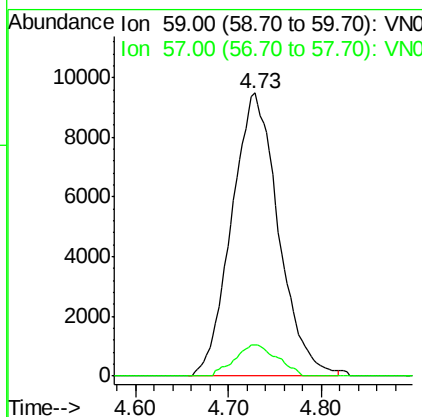
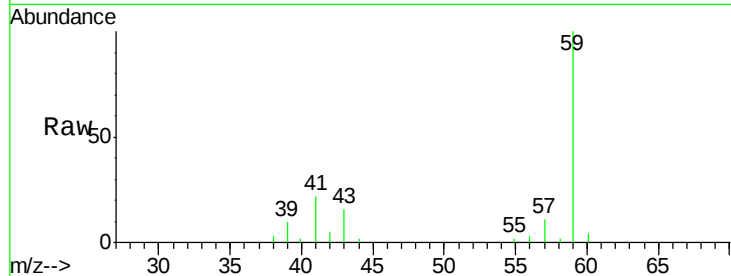
#11
Tert butyl alcohol
Concen: 94.273 ug/l
RT: 4.73 min Scan# 919
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

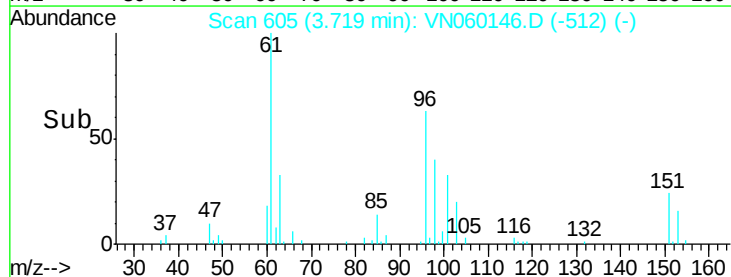
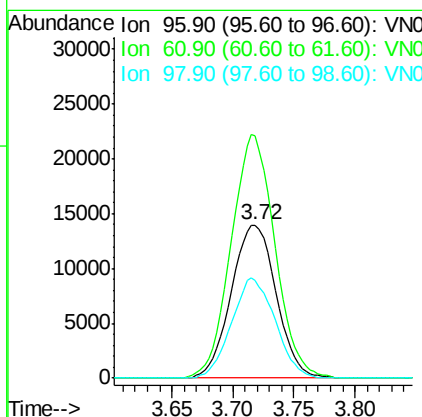
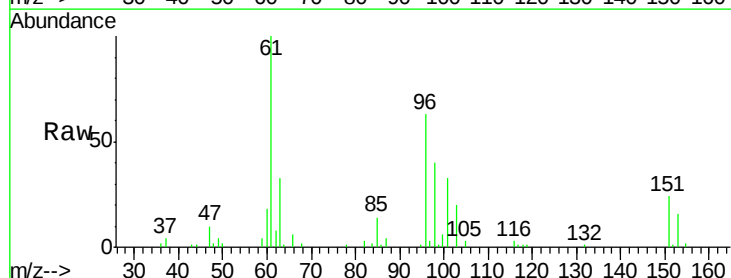
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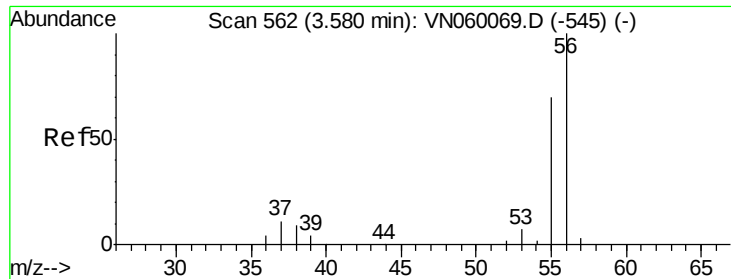
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.458 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	128.3	192.5
98	63.9	52.2	78.4





#13

Acrolein

Concen: 68.899 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

Tot Ion: 56 Resp: 24032

Ion Ratio Lower Upper

56 100

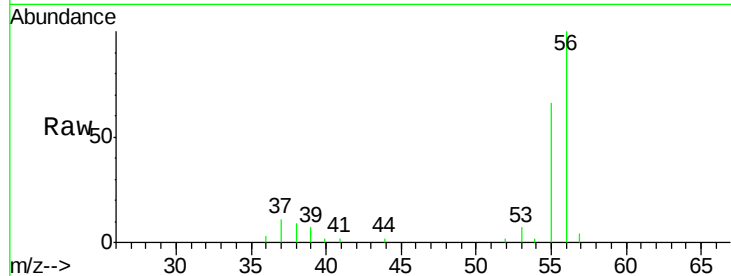
55 68.6 54.8 82.2

Manual Integrations

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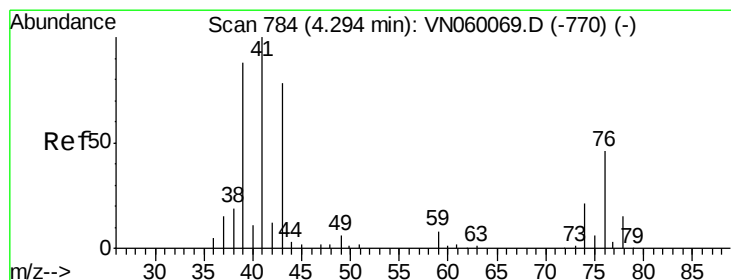
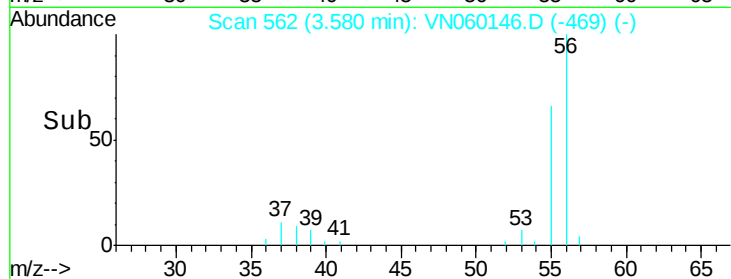
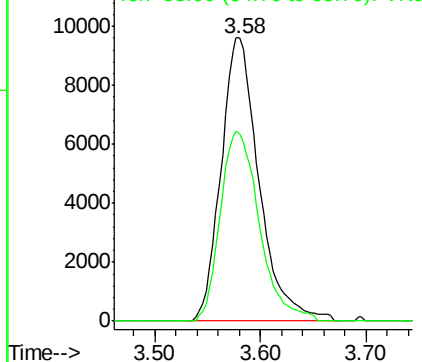
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.483 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

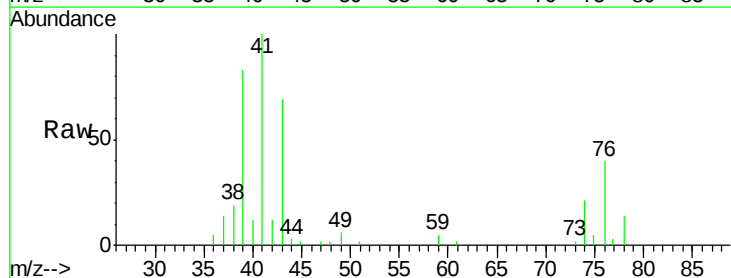
Tgt Ion: 41 Resp: 49843

Ion Ratio Lower Upper

41 100

39 84.6 67.8 101.8

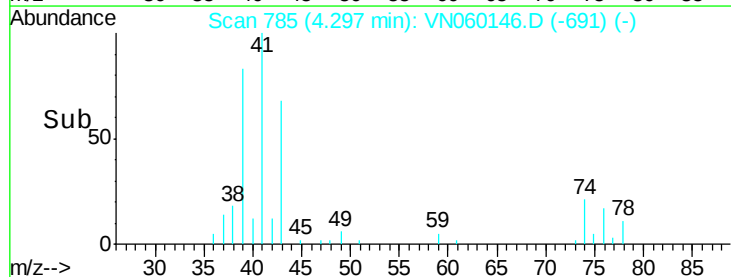
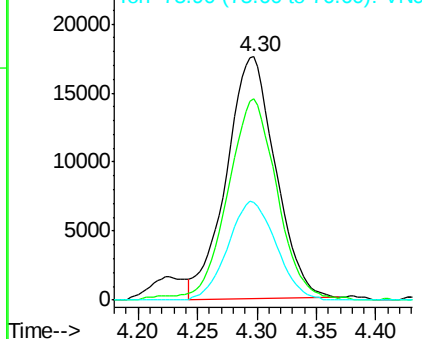
76 40.1 33.9 50.9

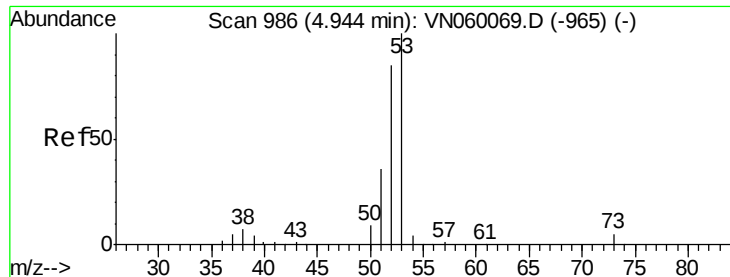


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.514 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

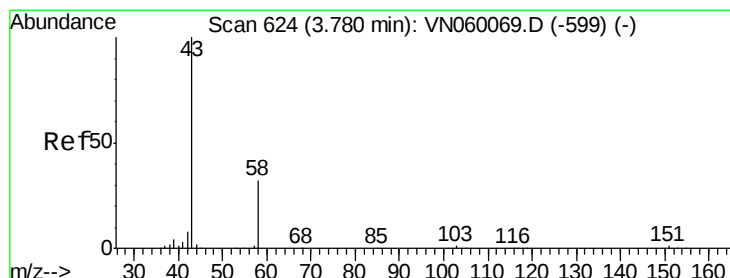
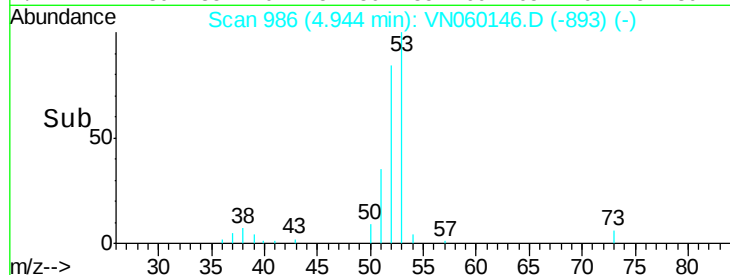
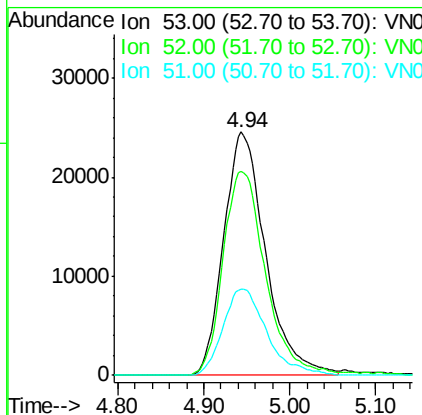
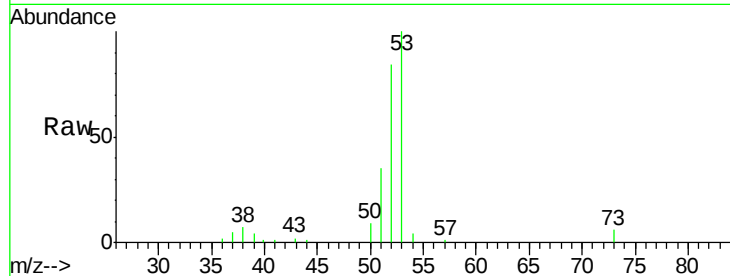
ClientSampleId :

VN0219WBS01

Tot Ion:	53	Resp:	83174
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.8	100.2
51	37.2	29.4	44.0

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#16

Acetone

Concen: 86.395 ug/l

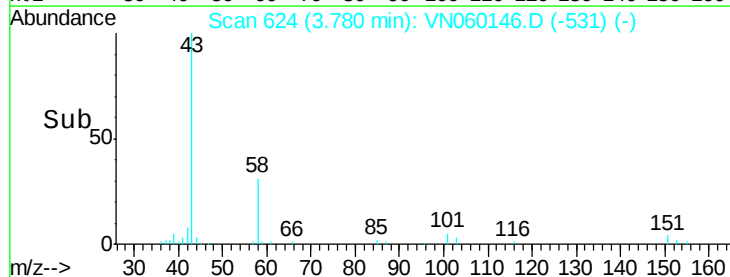
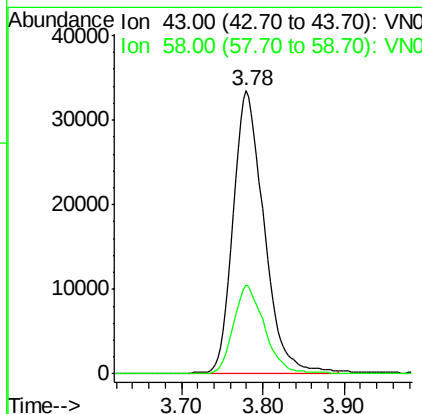
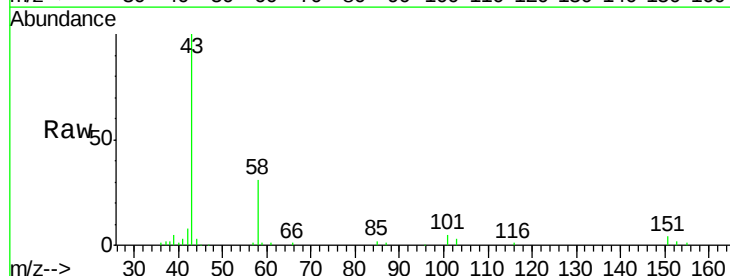
RT: 3.78 min Scan# 624

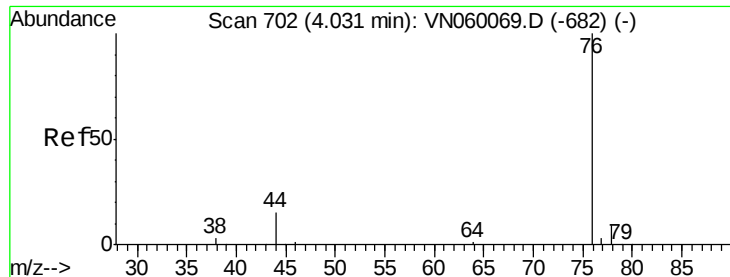
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	43	Resp:	88866
Ion	Ratio	Lower	Upper
43	100		
58	31.3	25.2	37.8





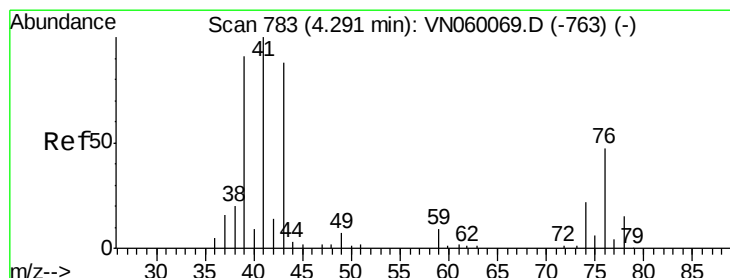
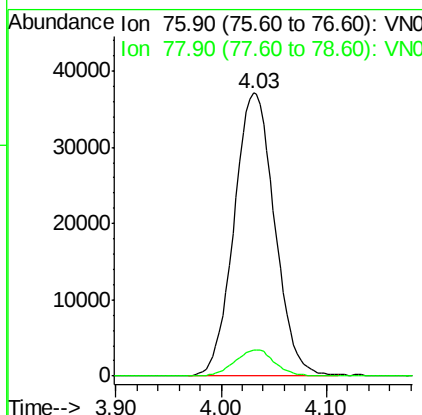
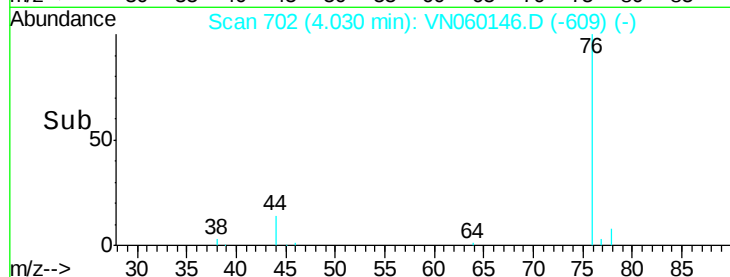
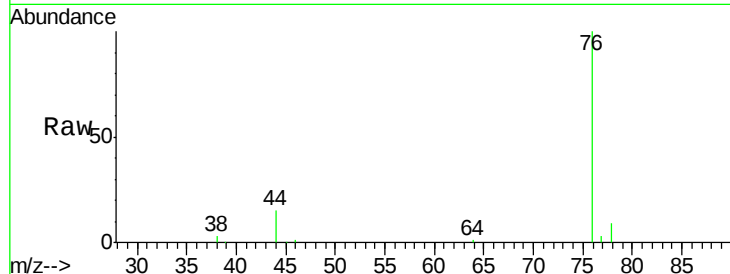
#17
Carbon Disulfide
Concen: 17.991 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion: 76 Resp: 99356
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6

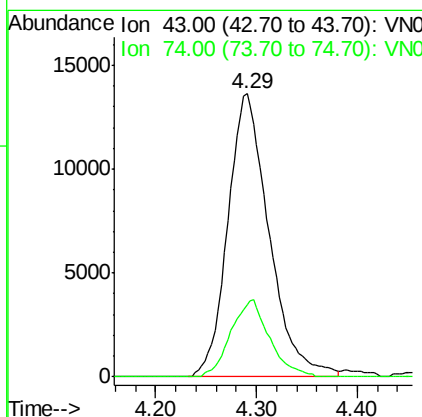
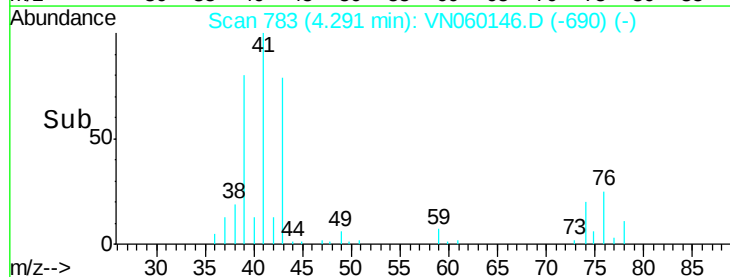
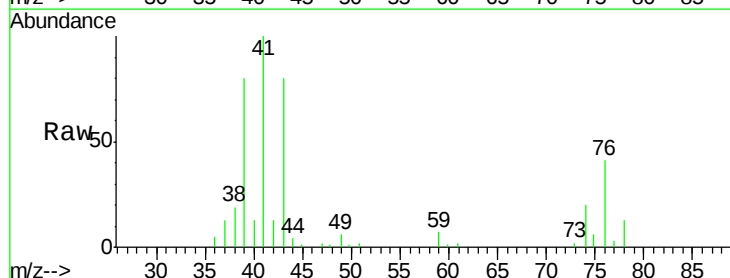
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#18
Methyl Acetate
Concen: 20.070 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 43 Resp: 38780
Ion Ratio Lower Upper
43 100
74 25.4 20.3 30.5





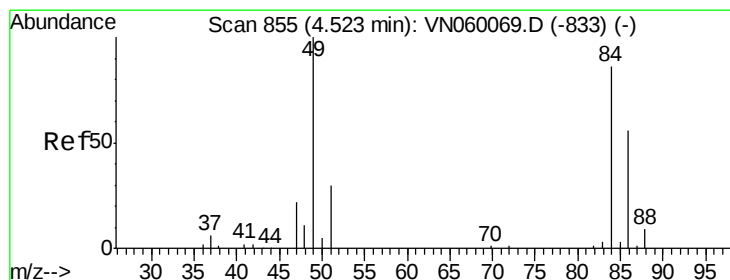
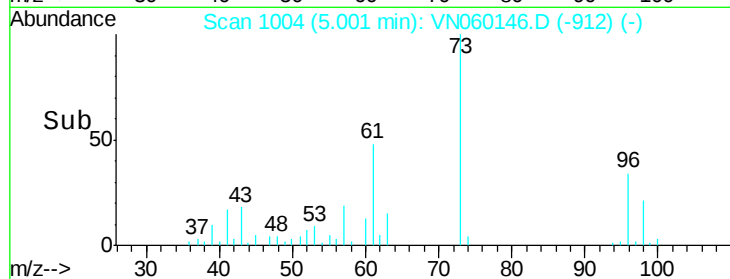
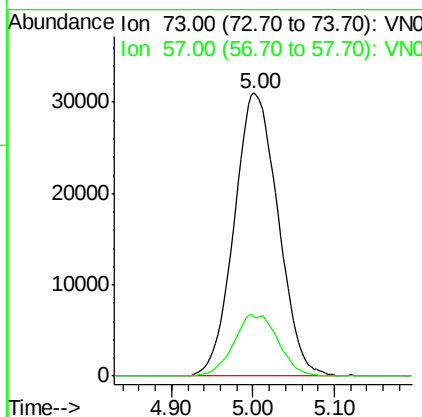
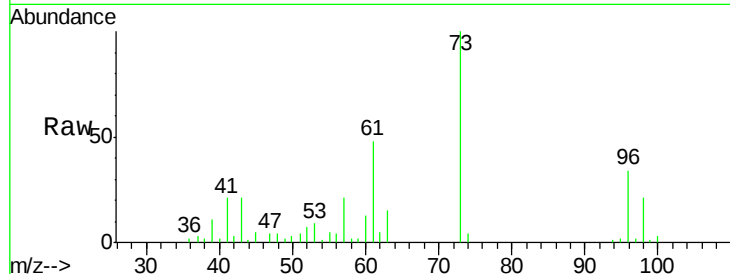
#19
Methvl tert-butvl Ether
Concen: 18.840 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion: 73 Resp: 116087
Ion Ratio Lower Upper
73 100
57 21.0 17.2 25.8

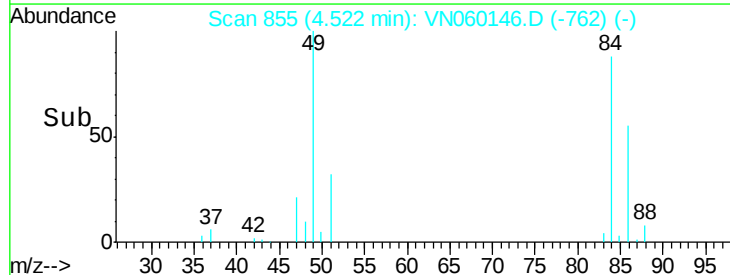
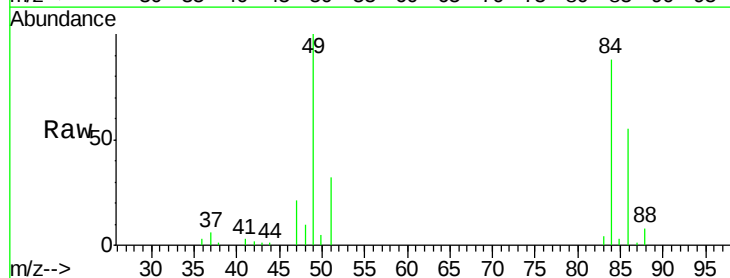
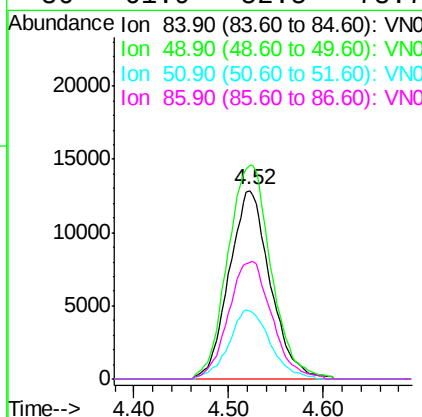
Manual Integrations
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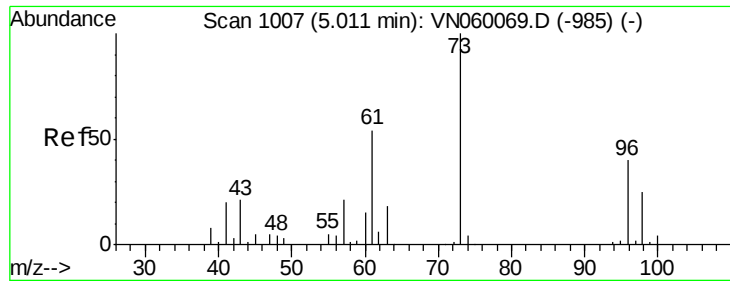
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#20
Methylene Chloride
Concen: 18.958 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion: 84 Resp: 38904
Ion Ratio Lower Upper
84 100
49 113.1 93.4 140.0
51 36.1 28.4 42.6
86 61.9 52.5 78.7





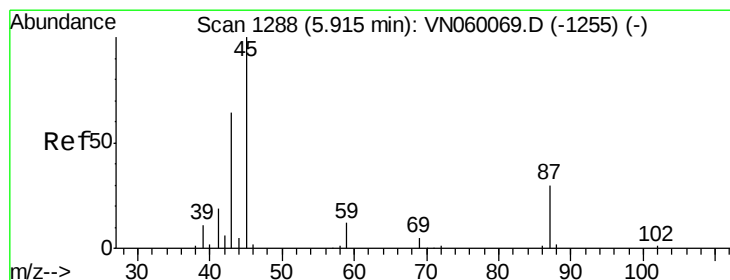
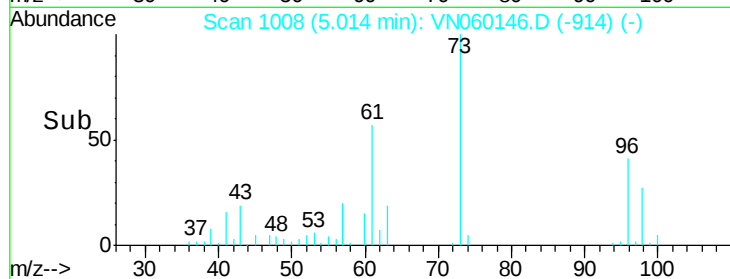
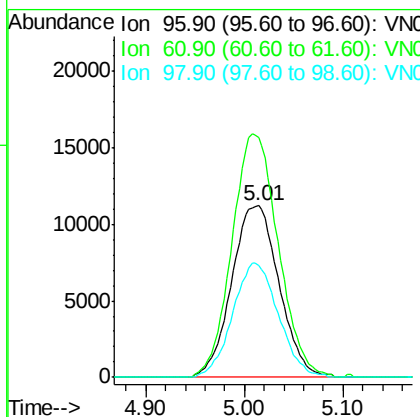
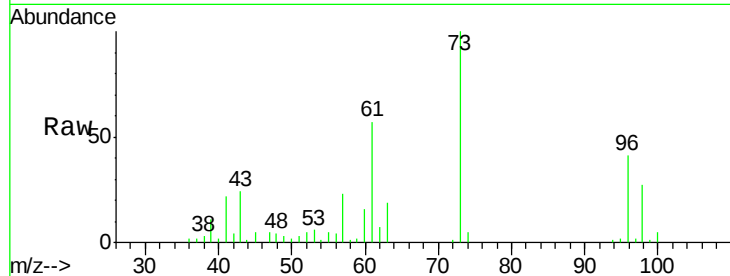
#21
trans-1,2-Dichloroethene
Concen: 18.761 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	109.3	163.9
98	65.3	51.0	76.6

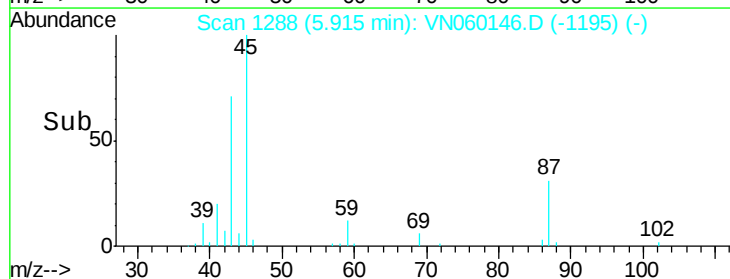
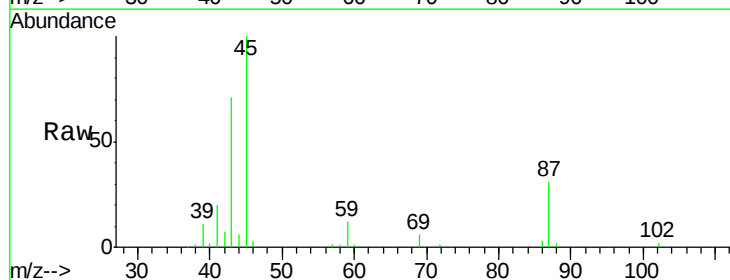
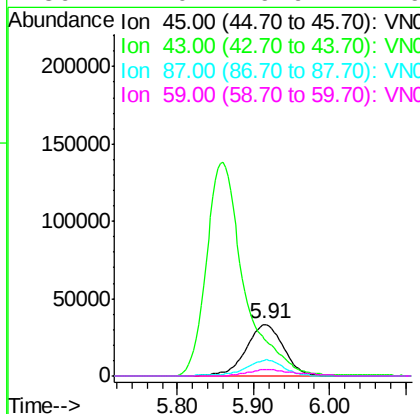
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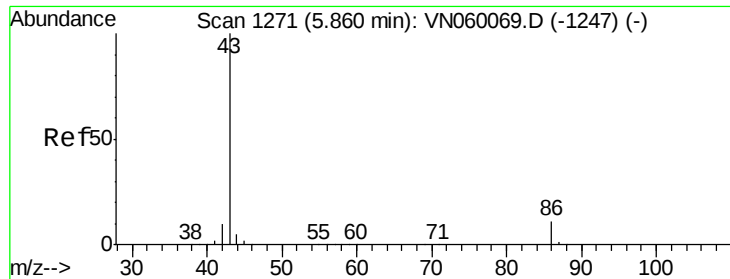
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#22
Diisopropyl ether
Concen: 19.313 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.1	55.9	83.9
87	30.8	24.5	36.7
59	12.0	9.9	14.9





#23

Vinyl Acetate

Concen: 95.528 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 43 Resp: 474126

Ion Ratio Lower Upper

43 100

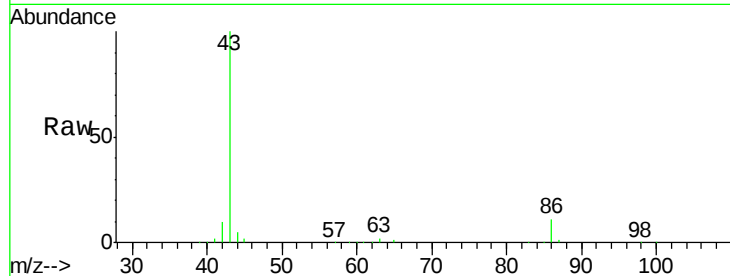
86 10.7 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

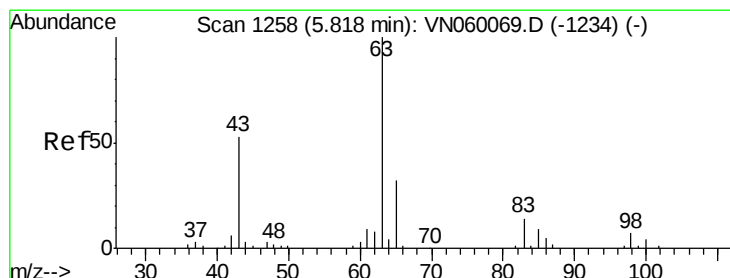
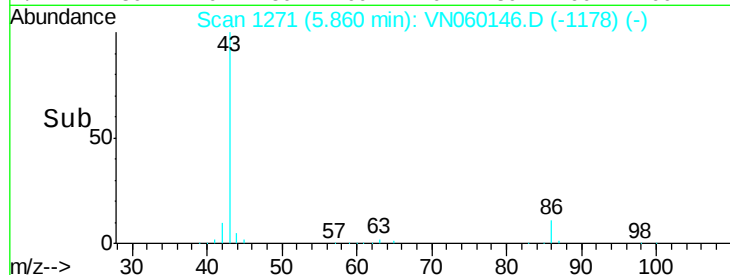
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.402 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

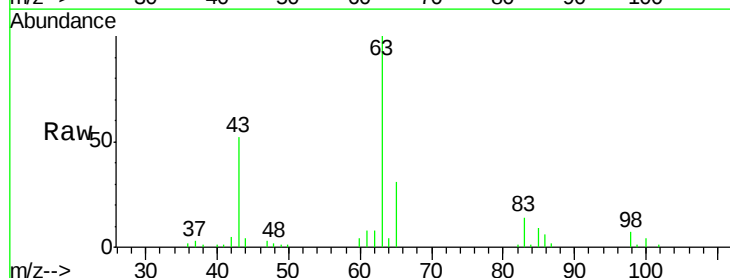
Tgt Ion: 63 Resp: 69464

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

30000

25000

20000

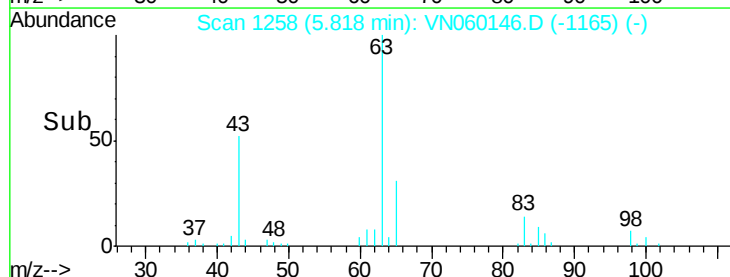
15000

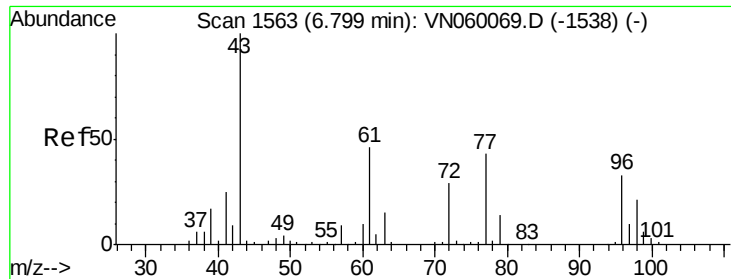
10000

5000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 90.194 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 43 Resp: 116679

Ion Ratio Lower Upper

43 100

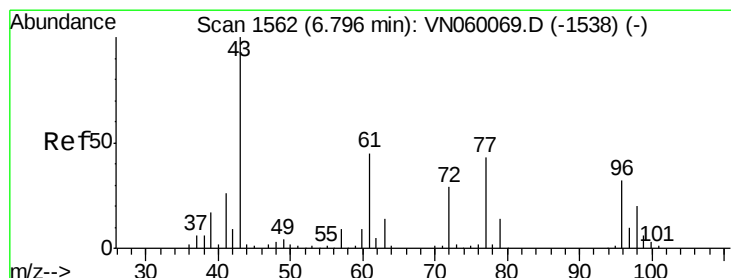
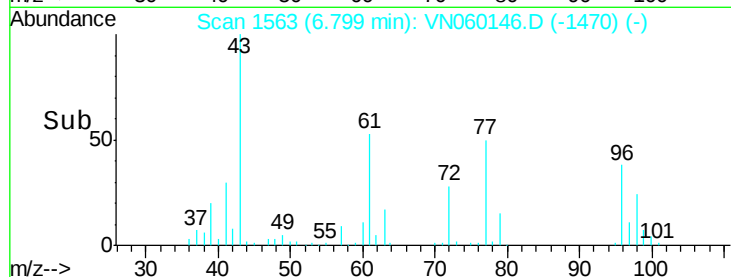
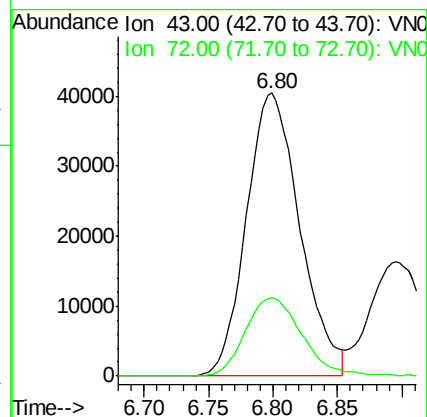
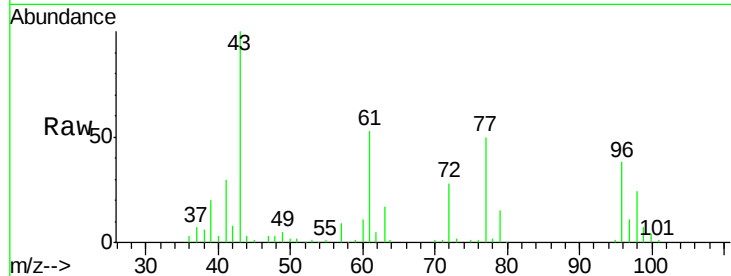
72 27.9 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.165 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060146.D

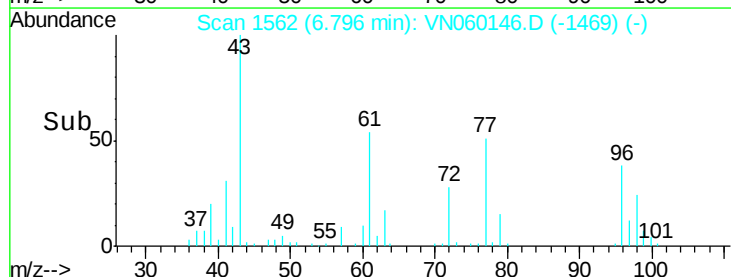
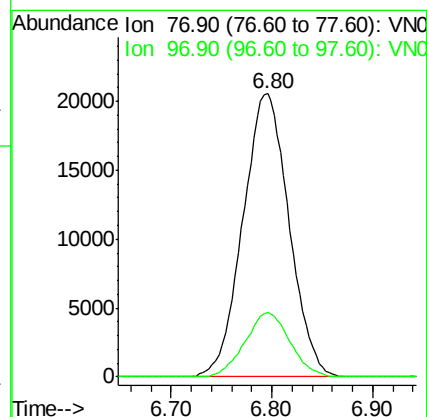
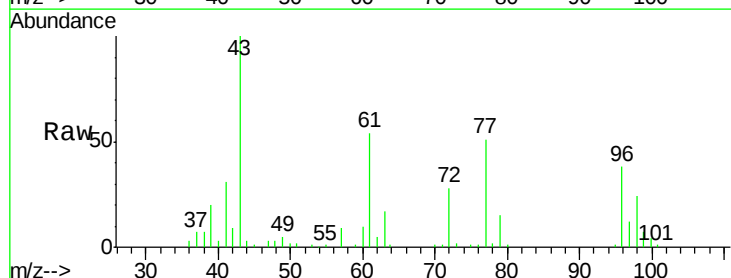
Acq: 19 Feb 2020 11:19

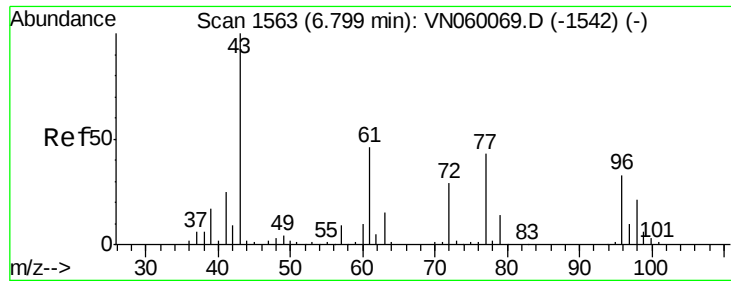
Tgt Ion: 77 Resp: 65175

Ion Ratio Lower Upper

77 100

97 22.1 11.4 34.2





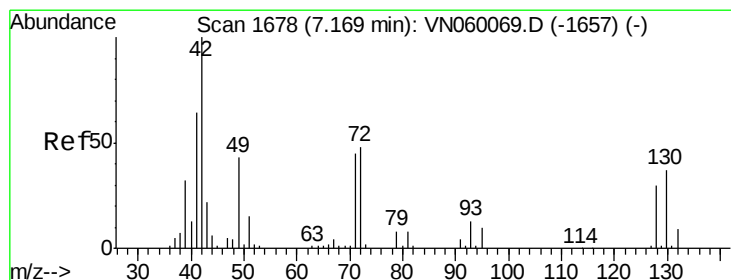
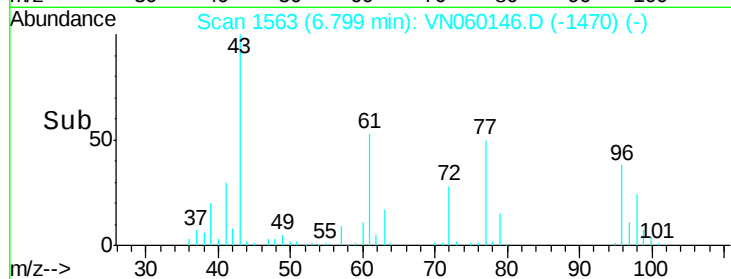
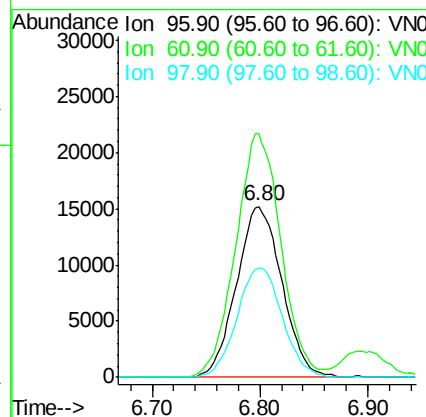
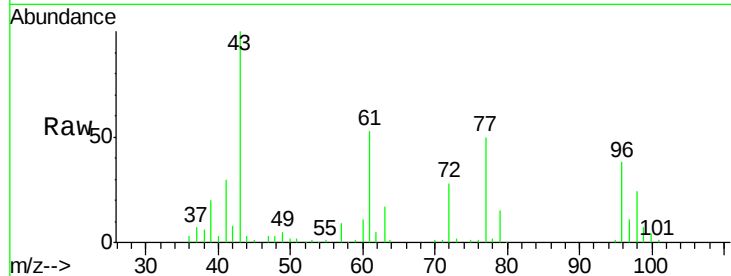
#27
 cis-1,2-Dichloroethene
 Concen: 19.029 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	44478		
61	142.2	0.0	285.8	
98	64.2	0.0	129.6	

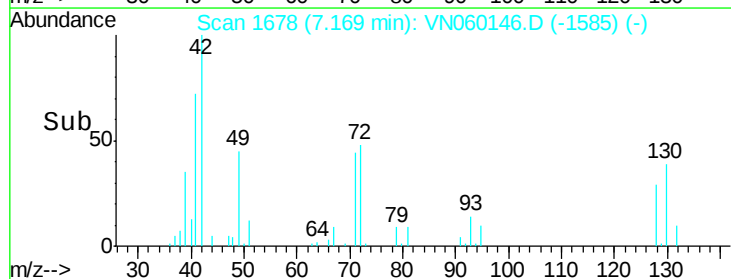
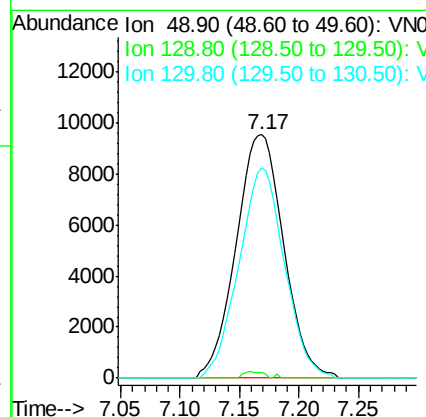
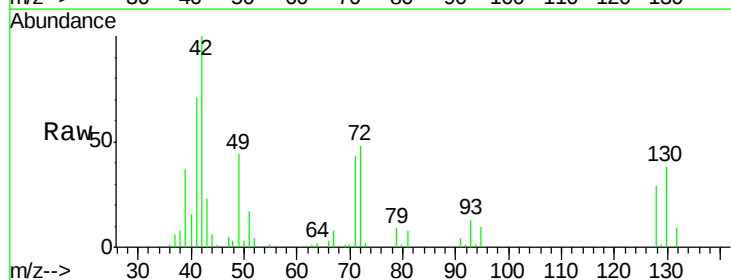
Manual Integrations
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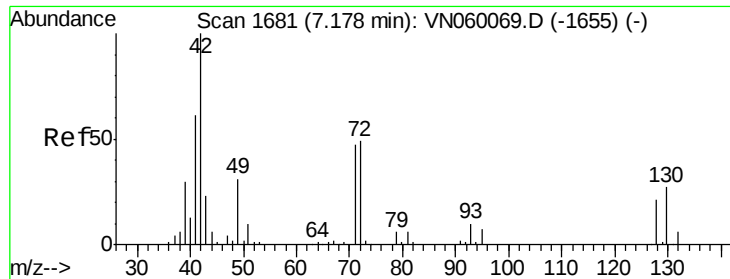
MMDadoda
 2/21/2020 11:48:22 AM



#28
 Bromochloromethane
 Concen: 18.858 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26544		
129	1.1	0.0	2.2	
130	82.4	66.8	100.2	





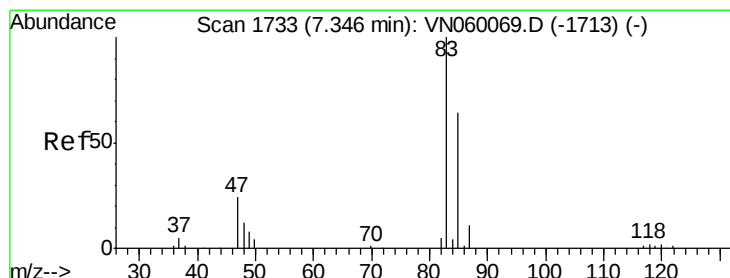
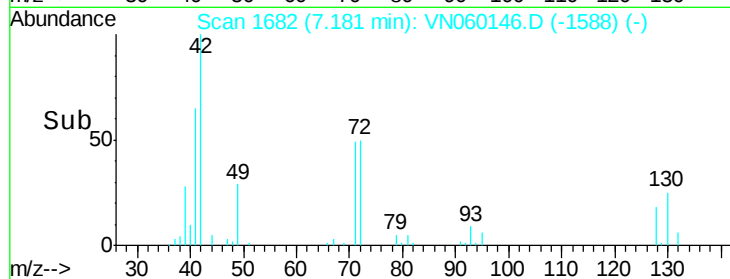
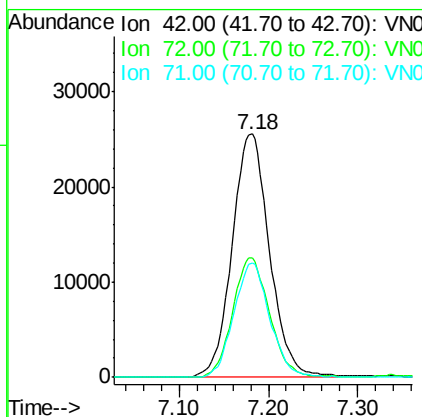
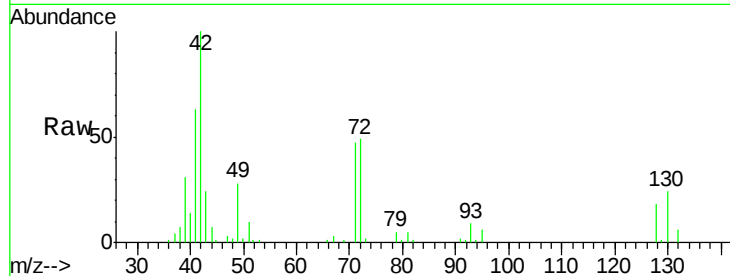
#29
Tetrahydrofuran
Concen: 93.603 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.2	38.2	57.4
71	45.0	36.6	54.8

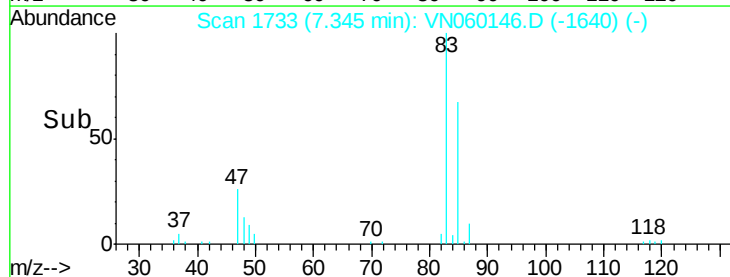
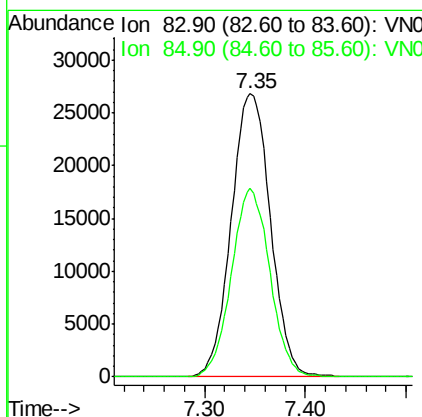
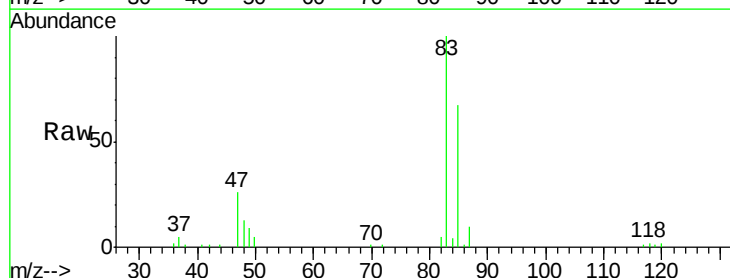
Manual Integrations
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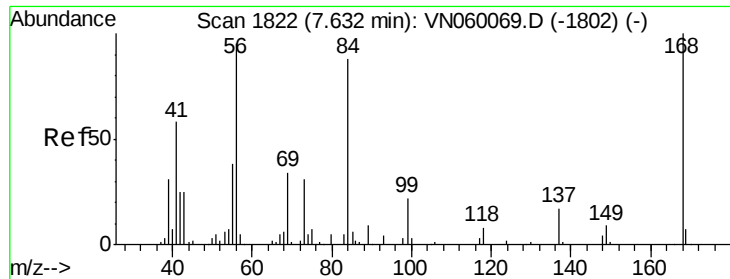
MMDadoda
2/21/2020 11:48:22 AM



#30
Chloroform
Concen: 19.286 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.4	77.0





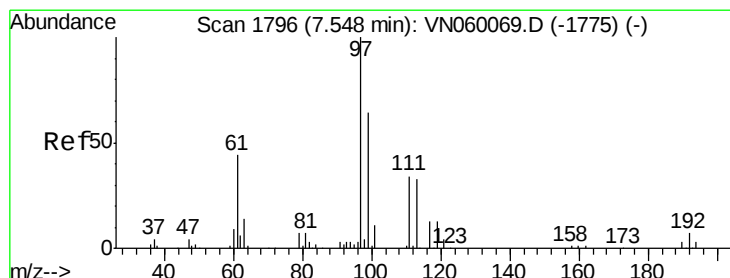
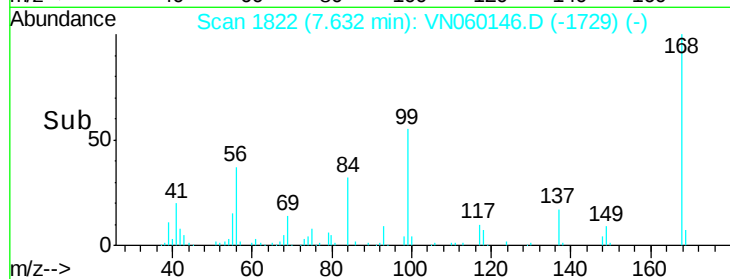
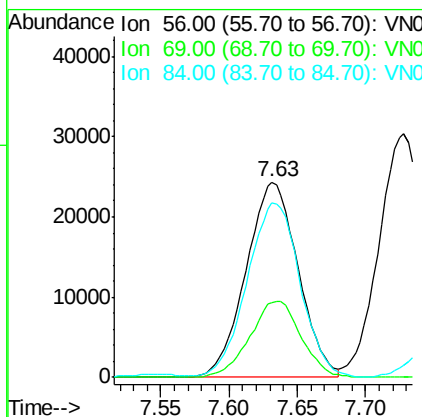
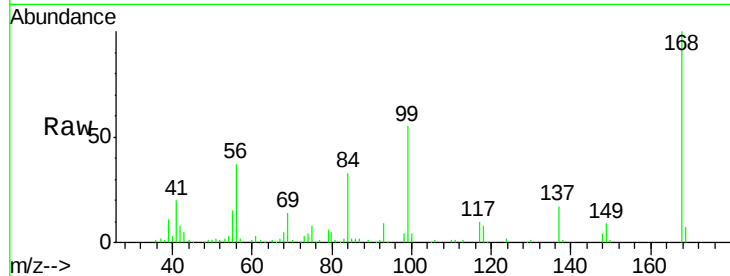
#31
Cyclohexane
Concen: 19.341 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.4	28.3	42.5
84	88.3	72.6	108.8

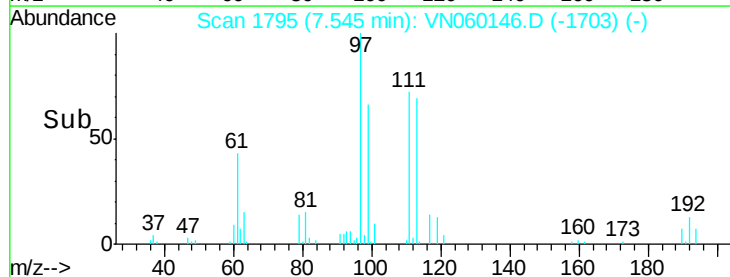
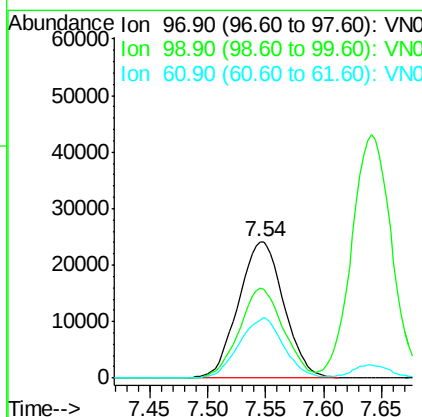
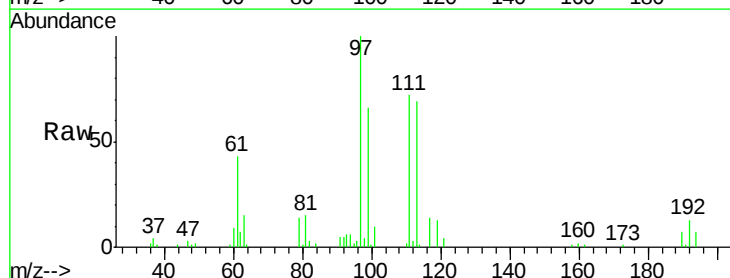
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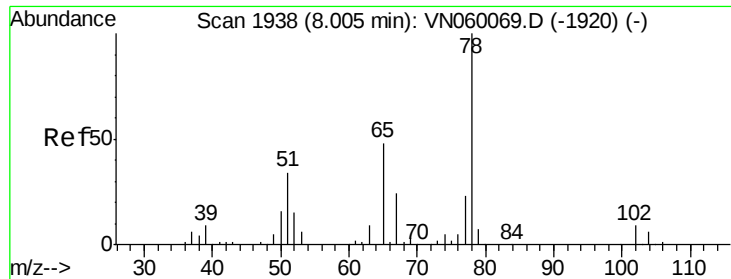
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#32
1,1,1-Trichloroethane
Concen: 19.135 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	43.4	34.9	52.3





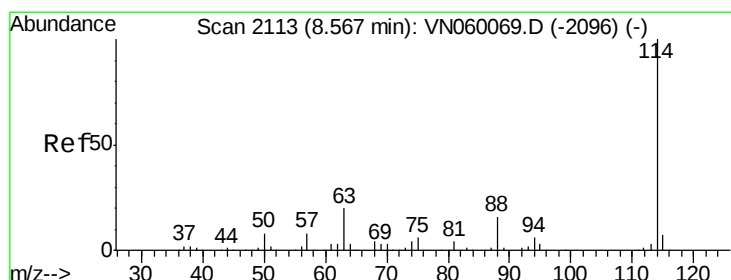
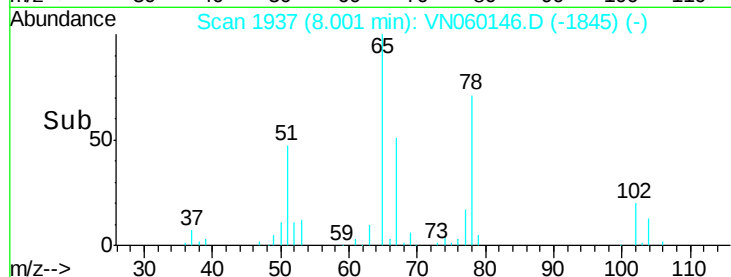
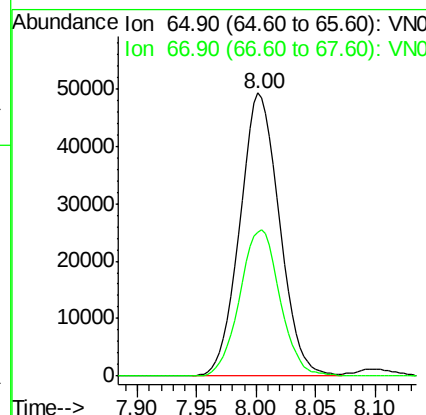
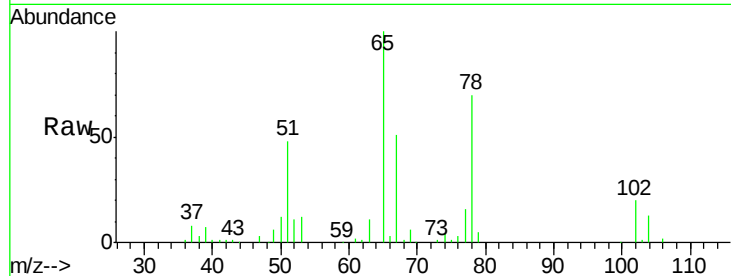
#33
 1,2-Dichloroethane-d4
 Concen: 48.201 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	104.0	

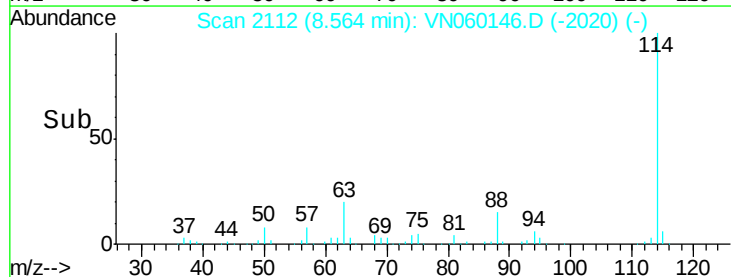
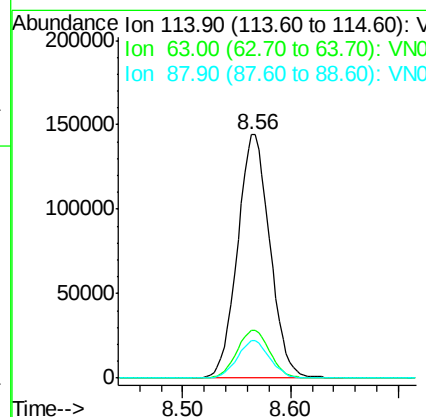
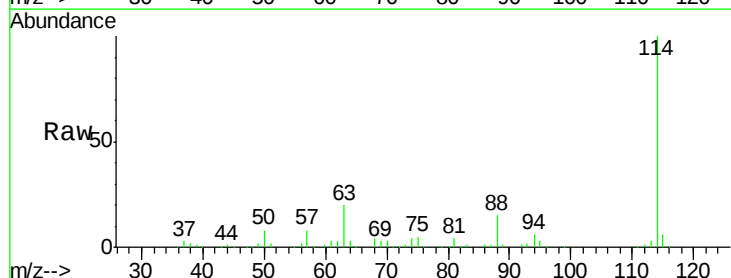
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	40.0	
88	15.3	0.0	31.6	





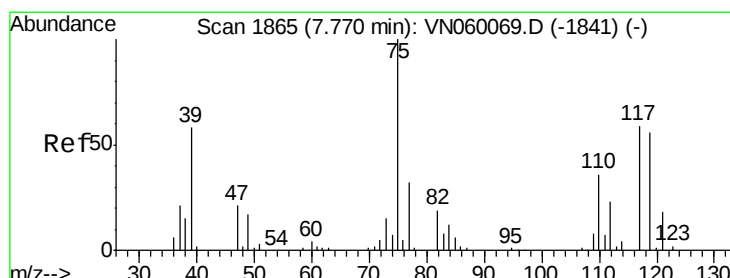
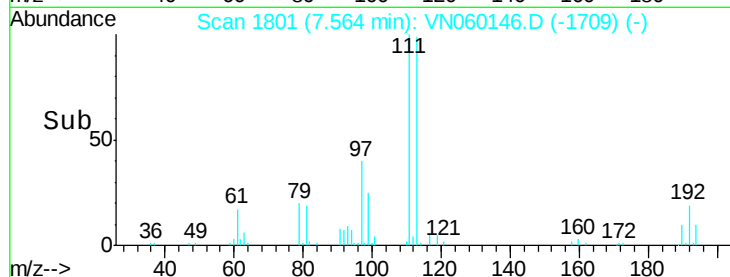
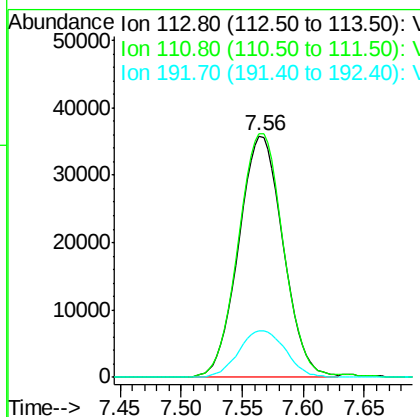
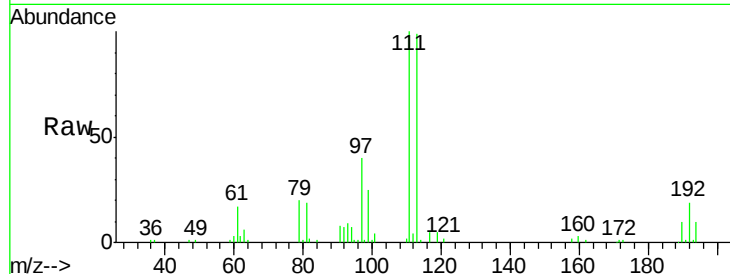
#35
 Dibromofluoromethane
 Concen: 48.668 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.4	122.2
192	20.3	16.2	24.2

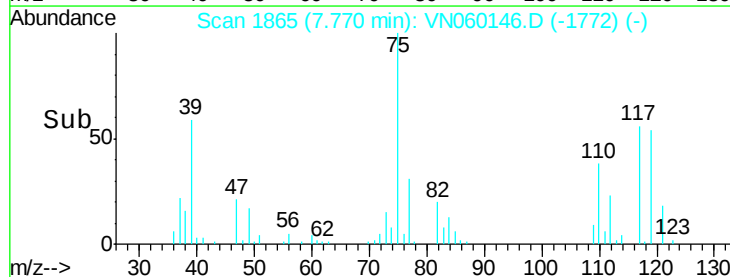
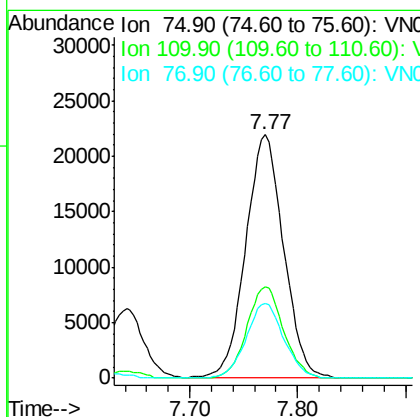
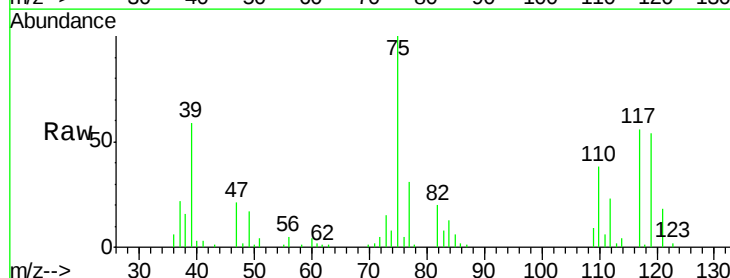
Manual Integrations
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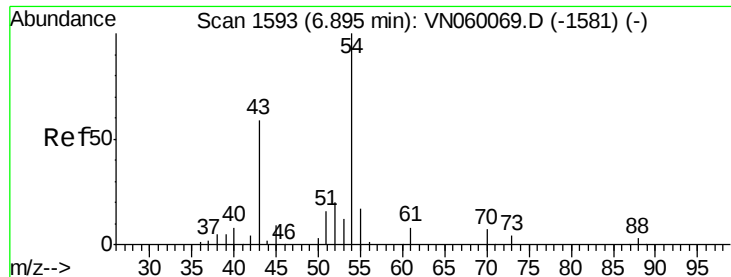
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#36
 1,1-Dichloropropene
 Concen: 19.144 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.3
77	30.6	25.1	37.7





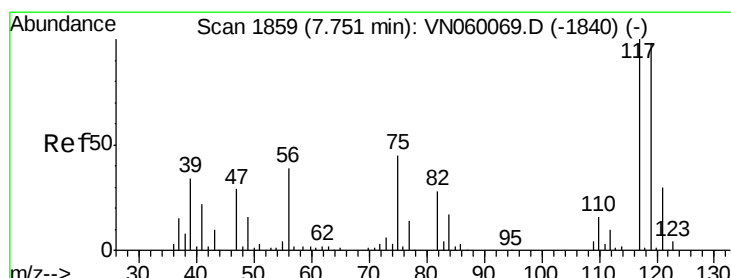
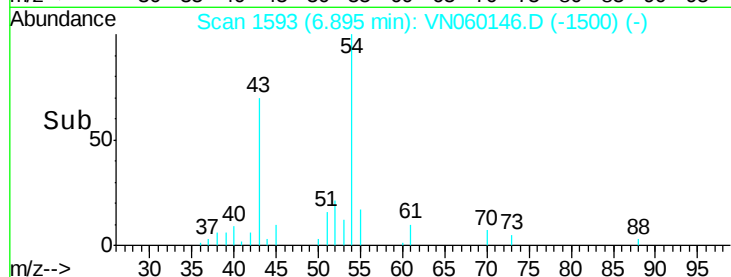
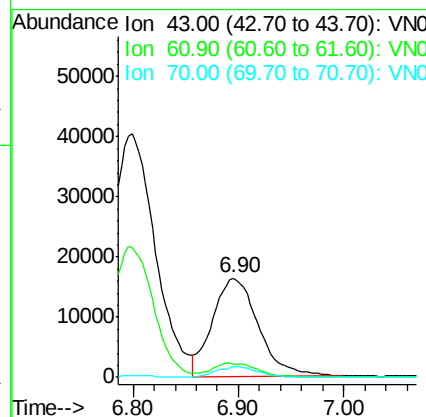
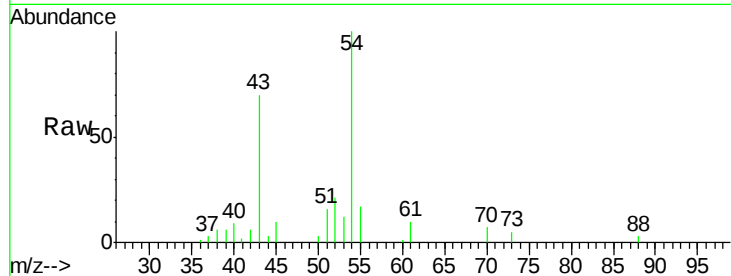
#37
Ethyl Acetate
Concen: 19.469 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.2
70	9.7	8.7	13.1

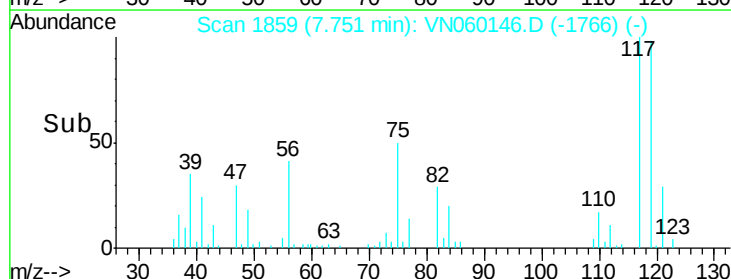
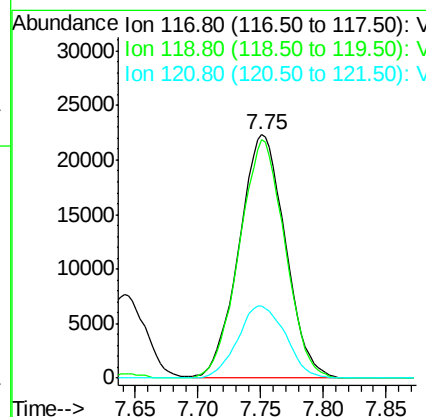
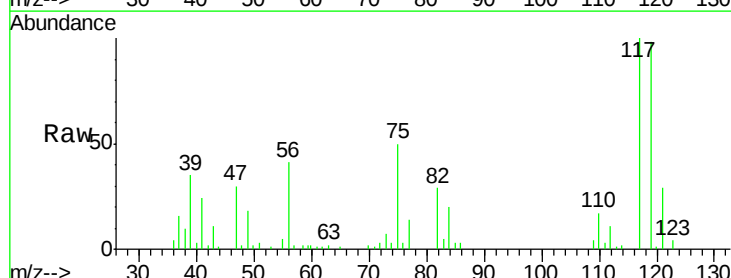
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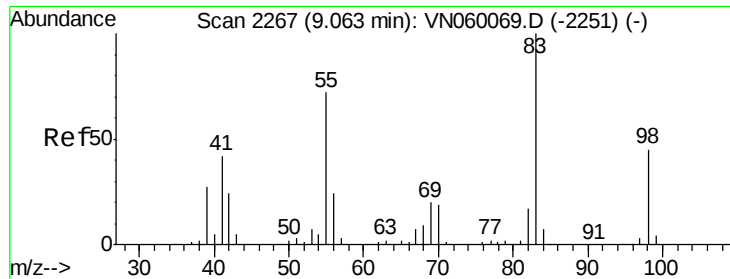
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#38
Carbon Tetrachloride
Concen: 18.877 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	78.2	117.4
121	29.4	24.2	36.2





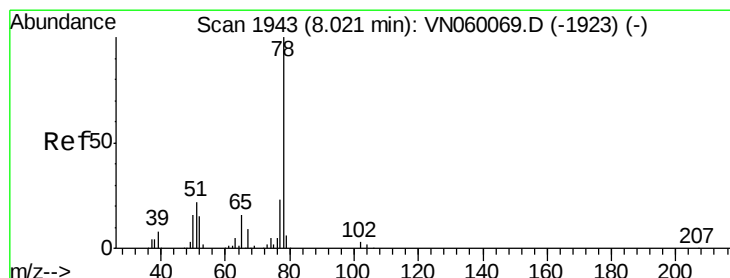
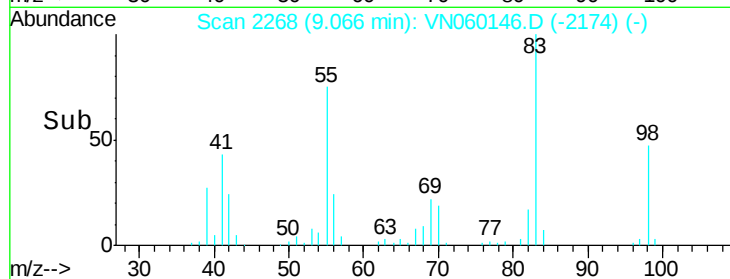
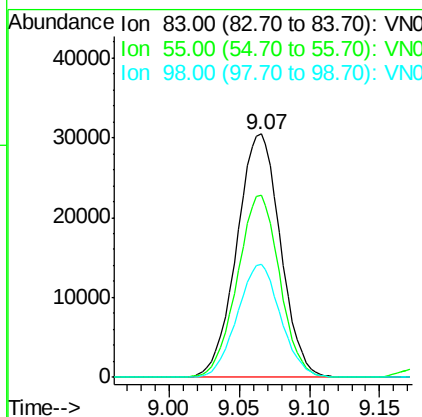
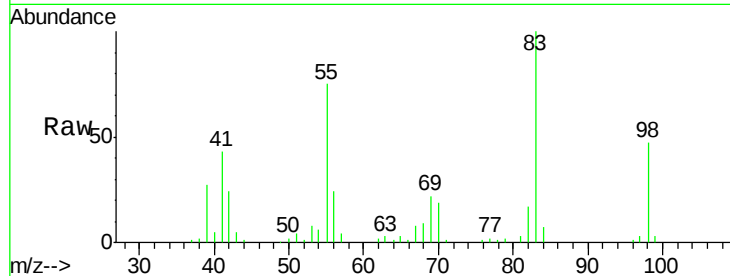
#39
Methvlcvclohexane
Concen: 19.005 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	57.8	86.8
98	46.6	36.4	54.6

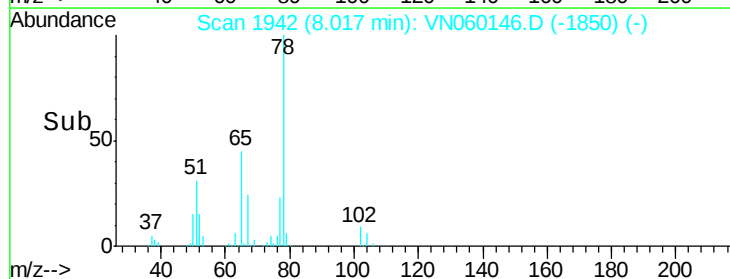
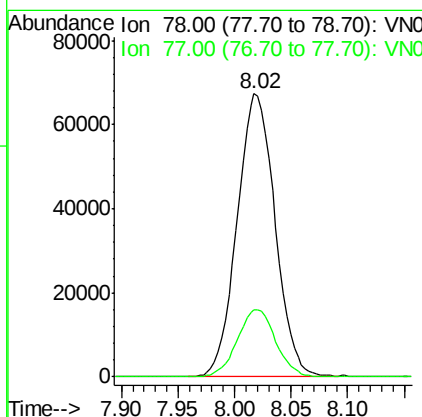
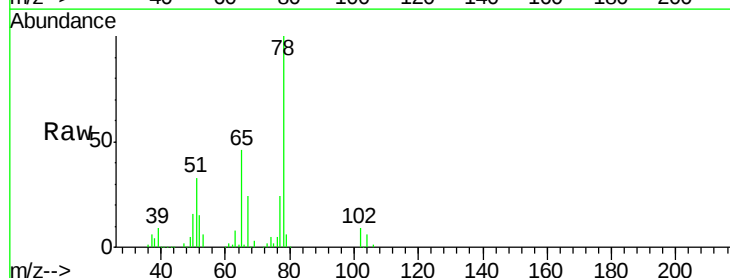
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2/21/2020 11:48:22 AM



#40
Benzene
Concen: 18.981 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 20.369 ug/l m

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 41 Resp: 21581

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

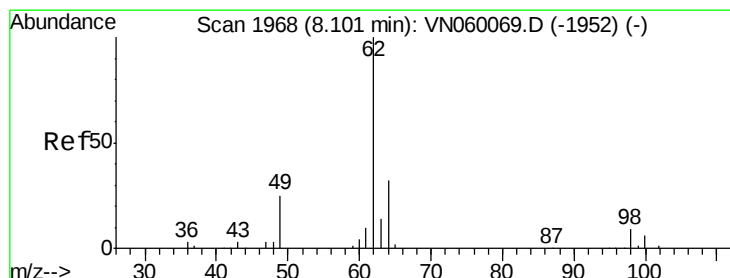
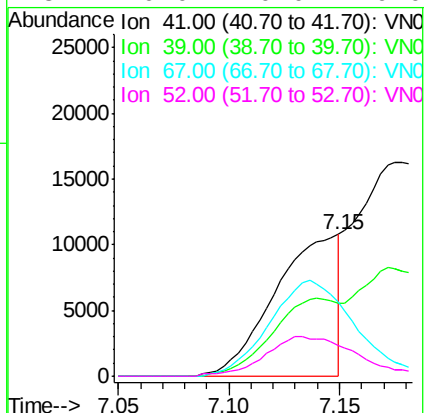
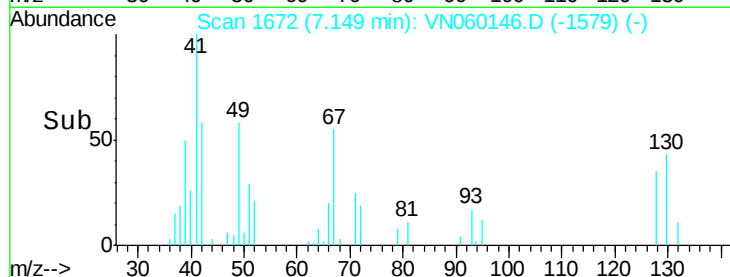
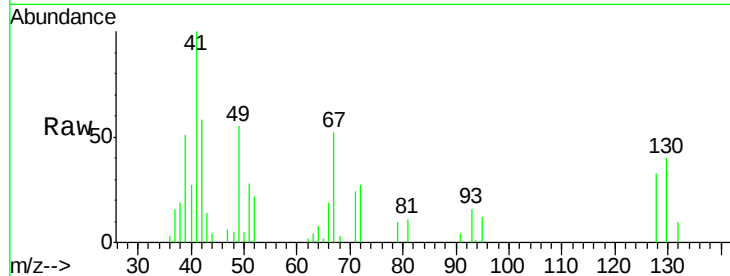
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.565 ug/l

RT: 8.10 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VN060146.D

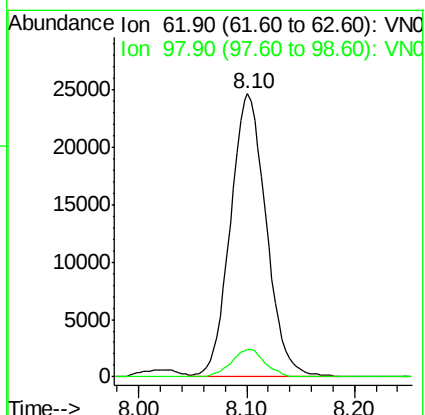
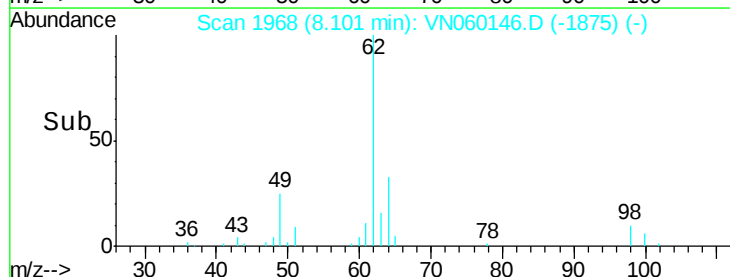
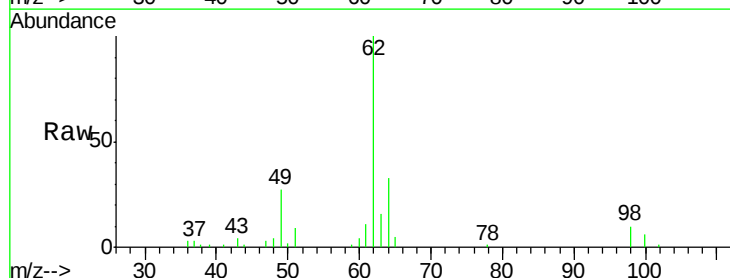
Acq: 19 Feb 2020 11:19

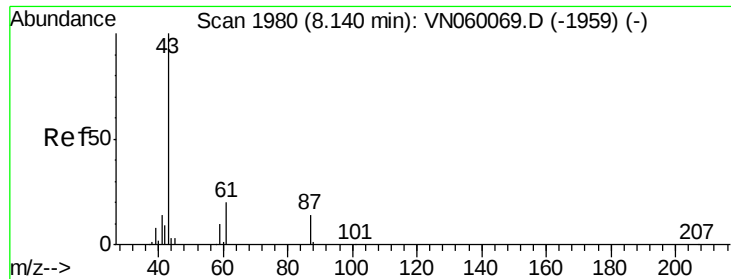
Tgt Ion: 62 Resp: 56860

Ion Ratio Lower Upper

62 100

98 9.0 0.0 18.2





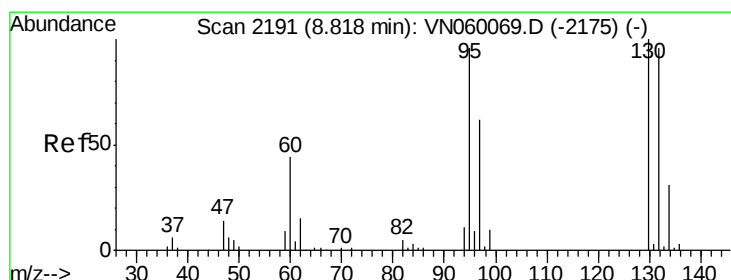
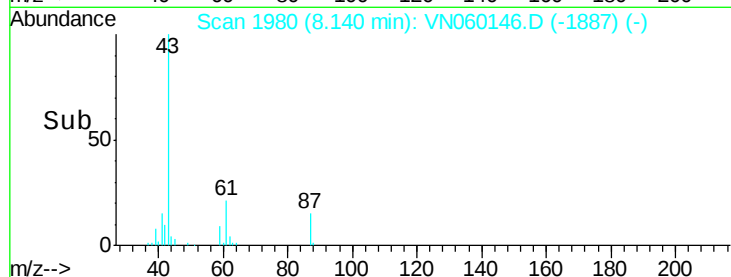
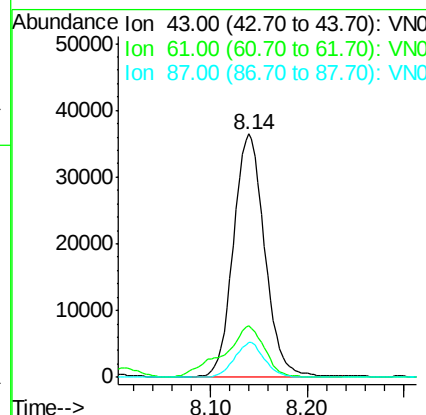
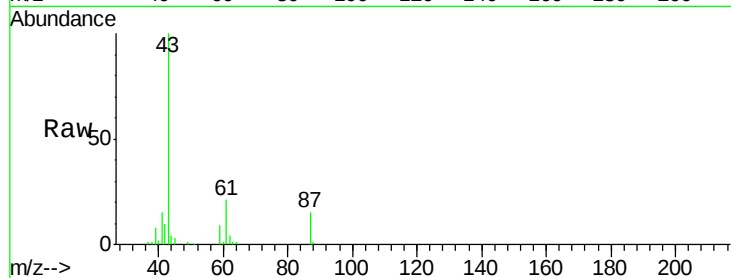
#43
Isopropyl Acetate
Concen: 19.028 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.8	32.6
87	13.5	11.4	17.2

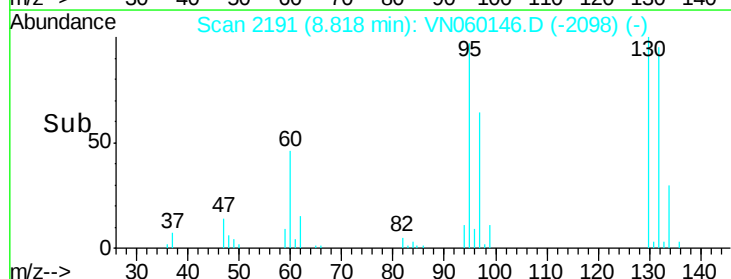
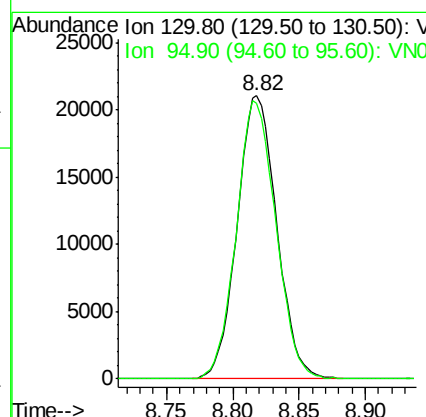
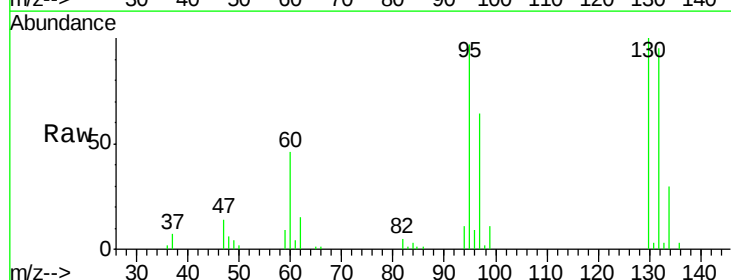
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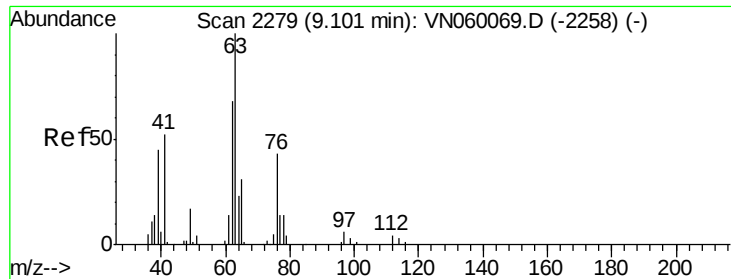
MMDadoda
2/21/2020 11:48:22 AM



#44
Trichloroethene
Concen: 19.005 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	192.4





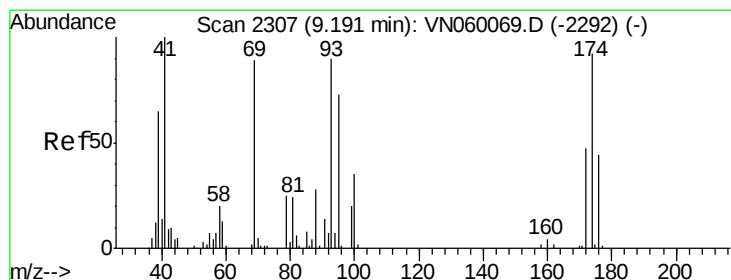
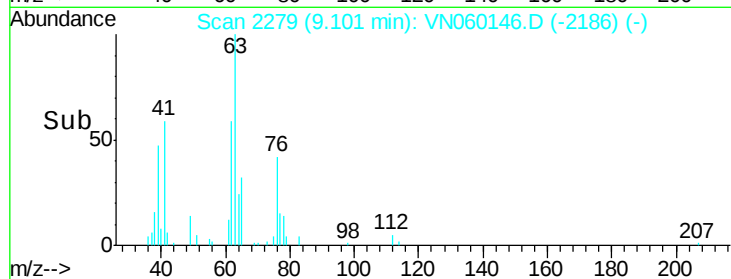
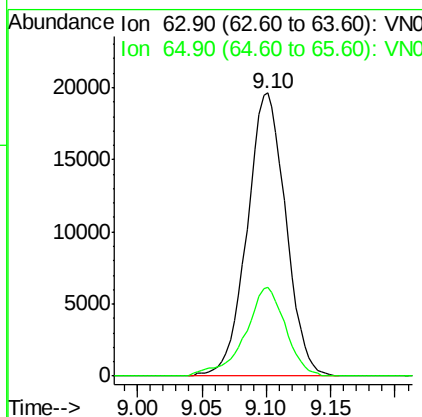
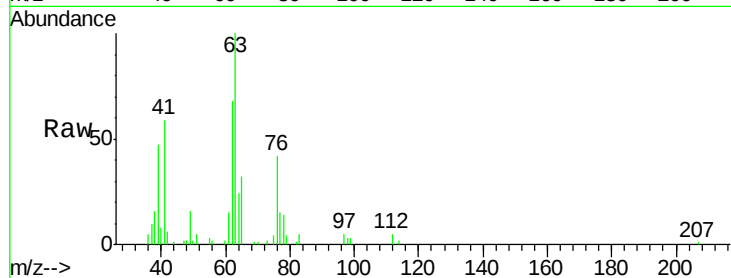
#45
 1,2-Dichloropropane
 Concen: 19.962 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

Tot Ion: 63 Resp: 40980
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.0 37.4

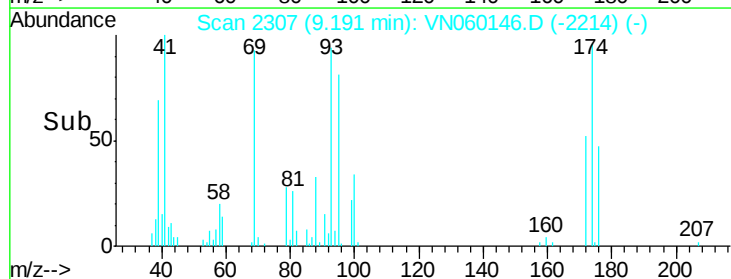
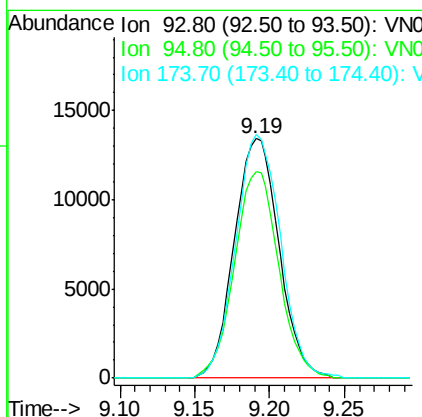
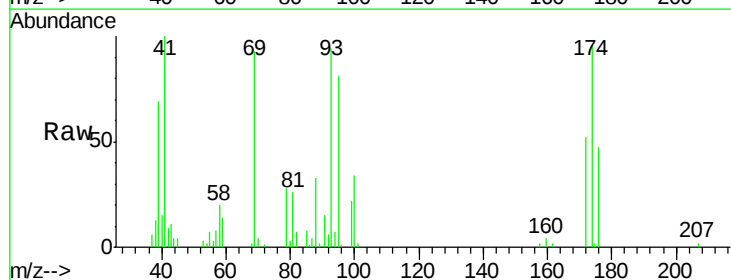
Manual Integrations
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#46
 Dibromomethane
 Concen: 19.304 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 93 Resp: 28005
 Ion Ratio Lower Upper
 93 100
 95 85.4 65.0 97.6
 174 101.6 82.3 123.5





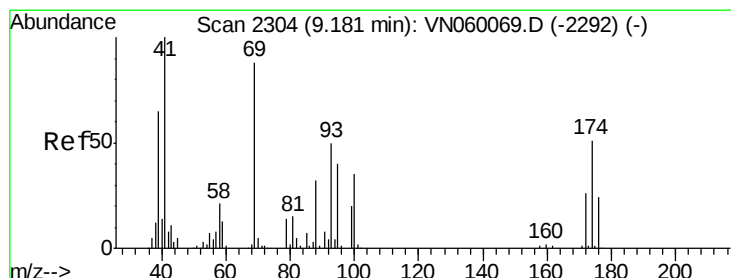
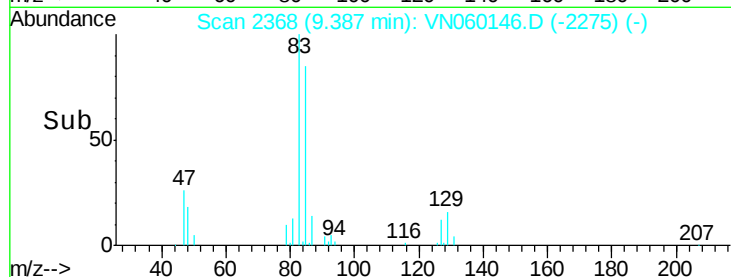
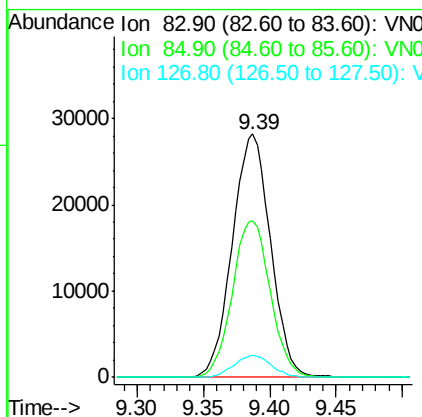
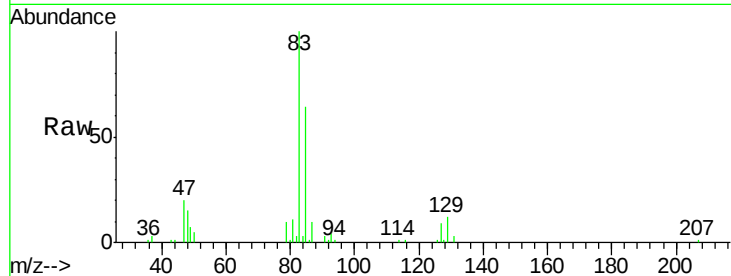
#47
Bromodichloromethane
Concen: 19.146 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.6	75.8
127	8.9	7.0	10.6

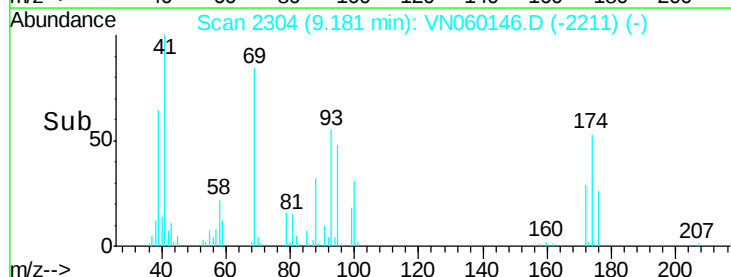
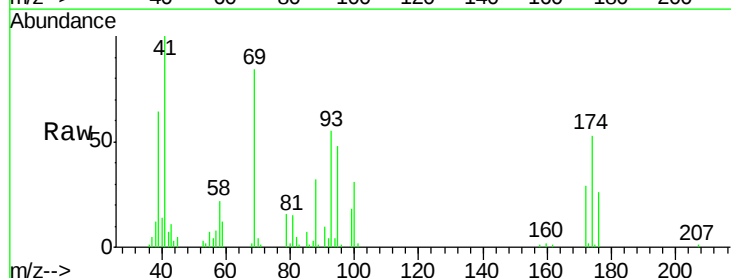
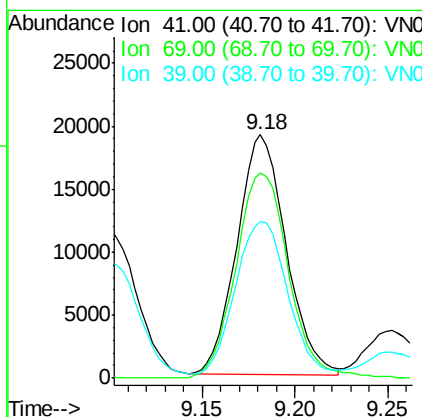
Manual Integrations
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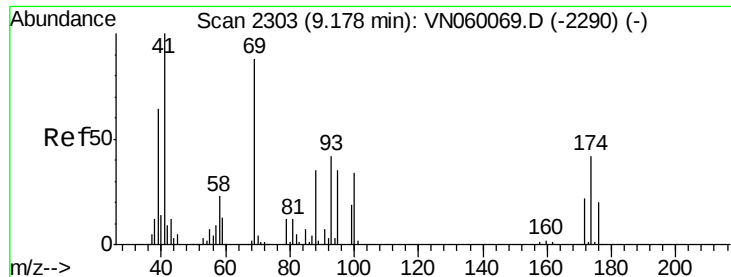
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#48
Methyl methacrylate
Concen: 18.093 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.4	72.0	108.0
39	68.2	54.1	81.1





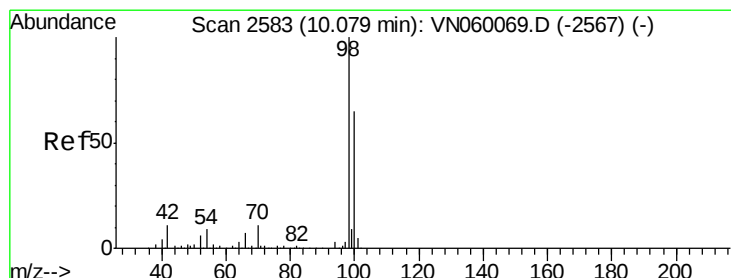
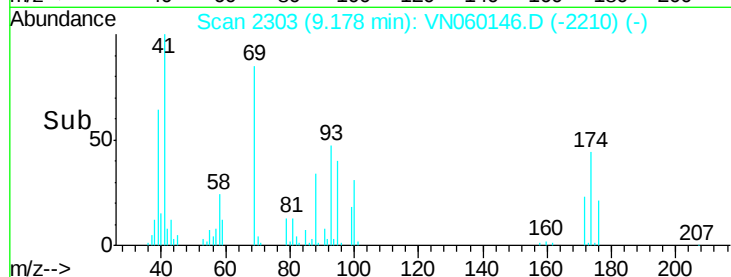
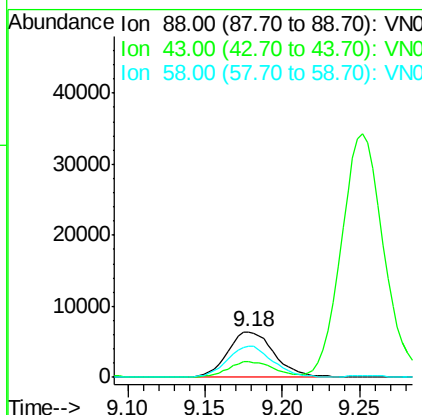
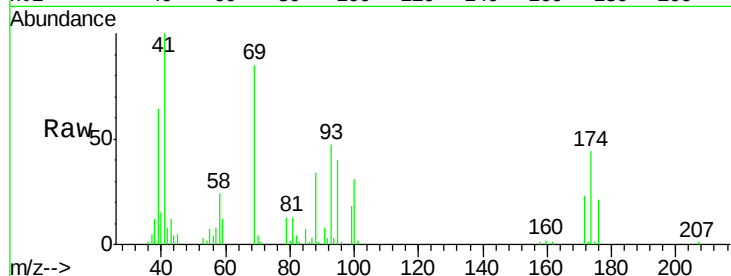
#49
1,4-Dioxane
Concen: 404.340 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.7	26.2	39.2
58	66.1	53.2	79.8

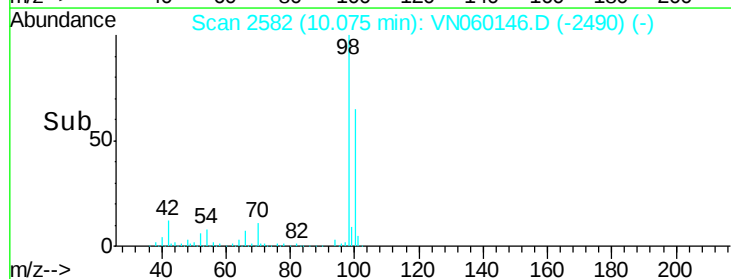
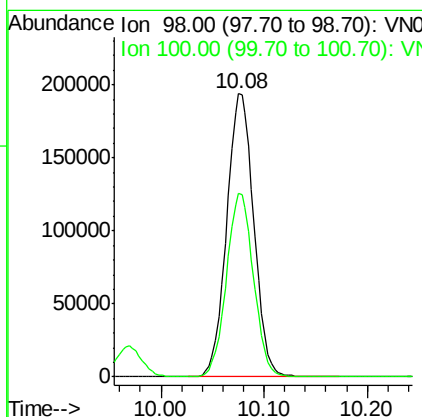
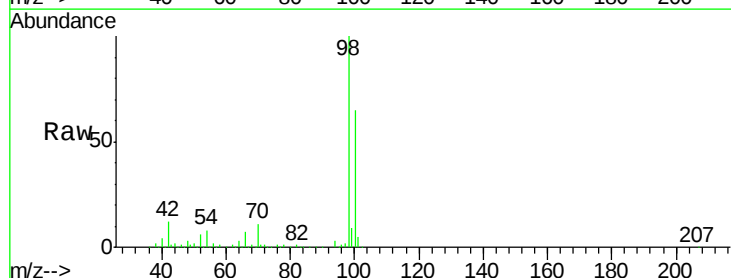
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#50
Toluene-d8
Concen: 48.528 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 95.998 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

Tot Ion: 43 Resp: 239963

Ion Ratio Lower Upper

43 100

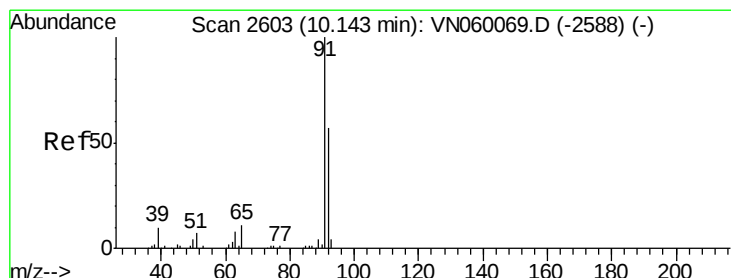
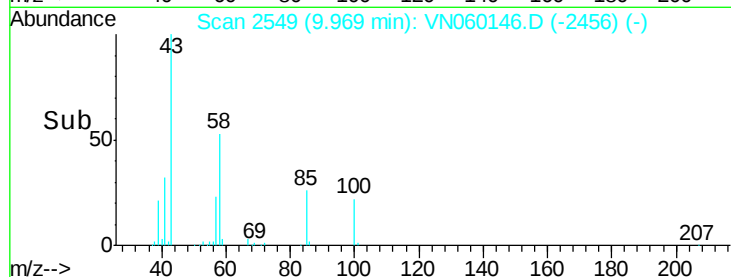
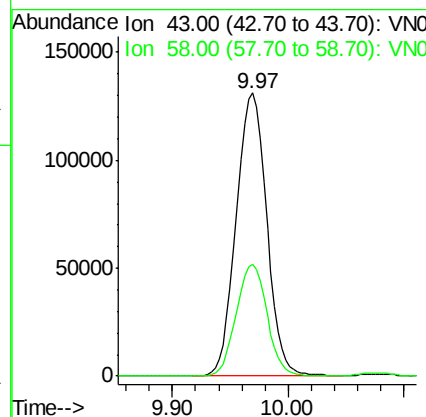
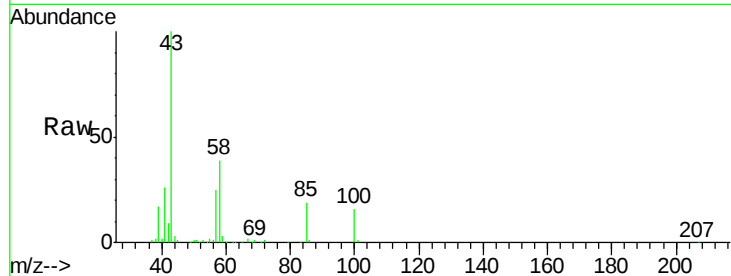
58 39.7 31.8 47.8

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#52

Toluene

Concen: 19.123 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060146.D

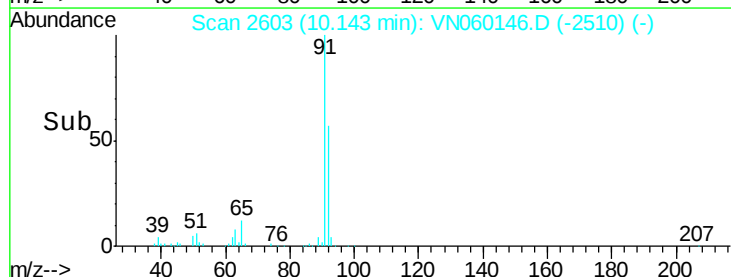
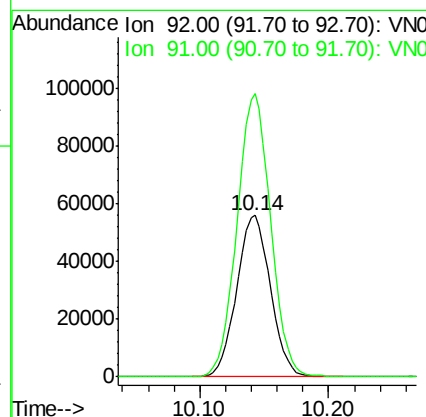
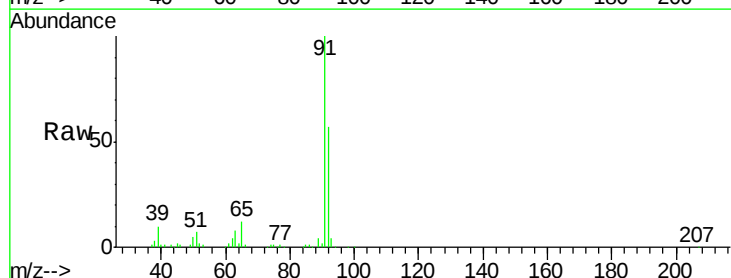
Acq: 19 Feb 2020 11:19

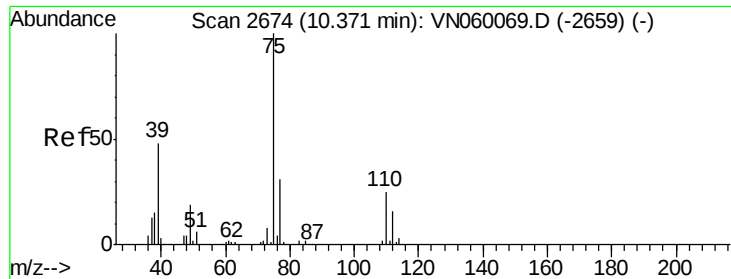
Tgt Ion: 92 Resp: 101683

Ion Ratio Lower Upper

92 100

91 174.8 140.9 211.3





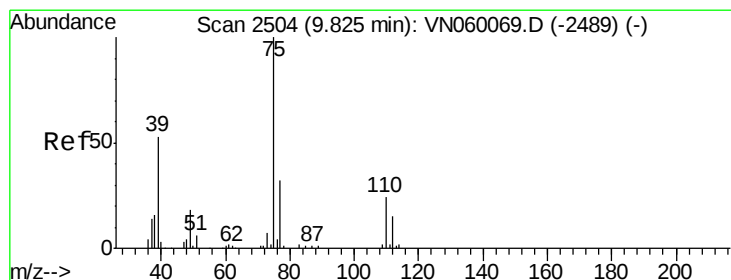
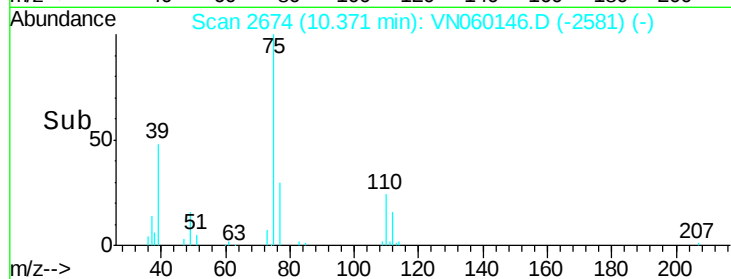
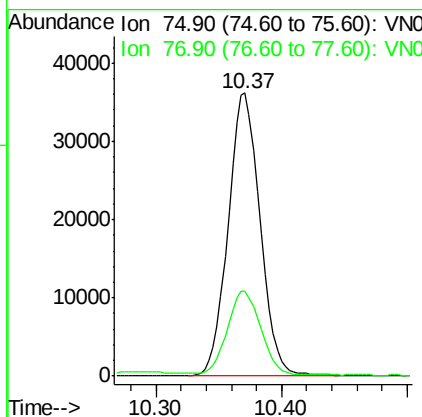
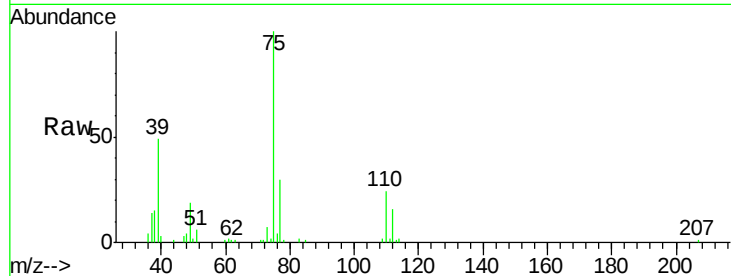
#53
 t-1,3-Dichloropropene
 Concen: 19.246 ug/l
 RT: 10.37 min Scan# 2674
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

Tot Ion: 75 Resp: 64073
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.4 38.0

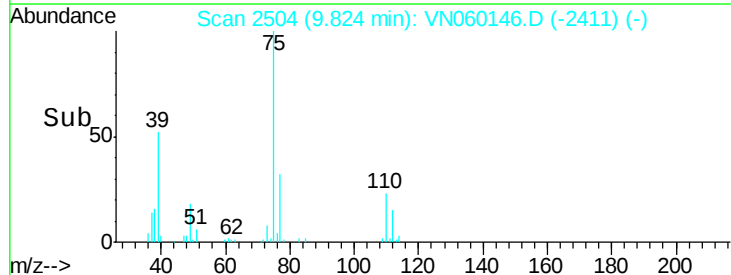
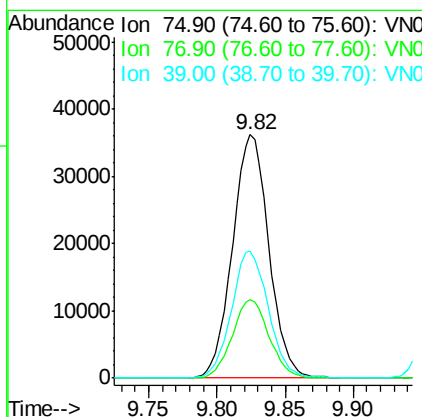
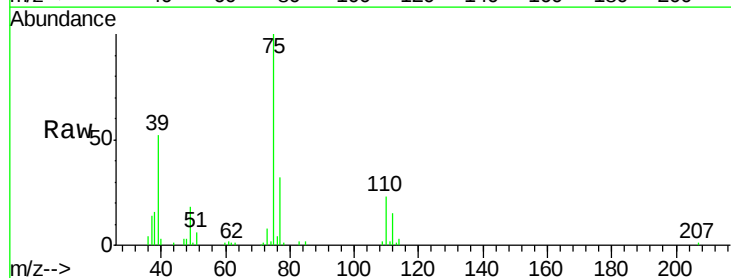
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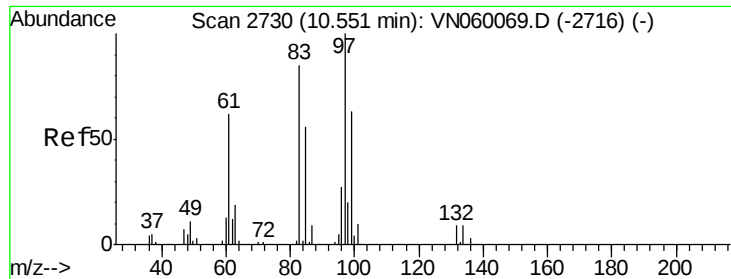
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#54
 cis-1,3-Dichloropropene
 Concen: 19.124 ug/l
 RT: 9.82 min Scan# 2504
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 75 Resp: 67042
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.6 38.4
 39 52.1 42.2 63.4





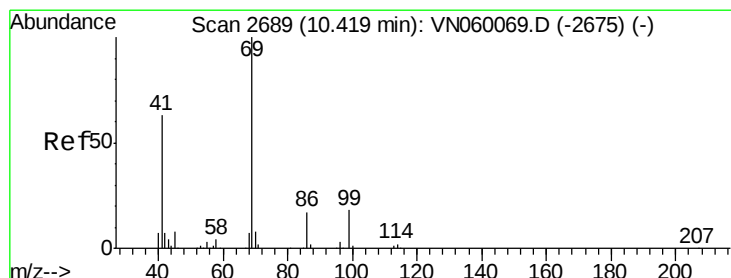
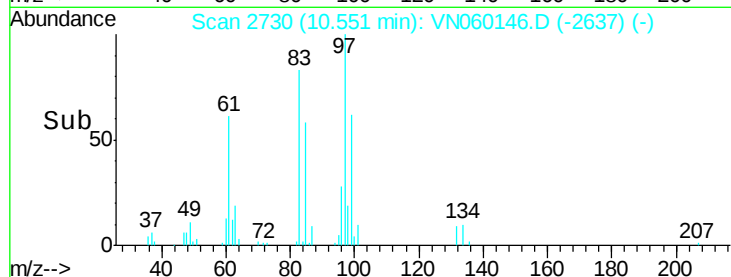
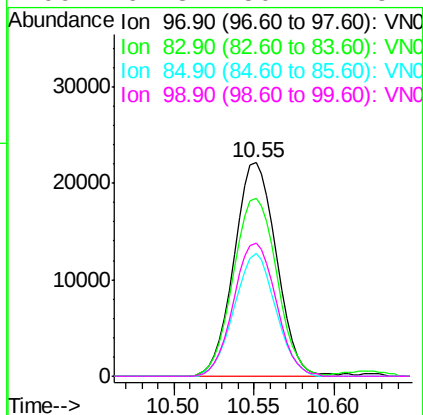
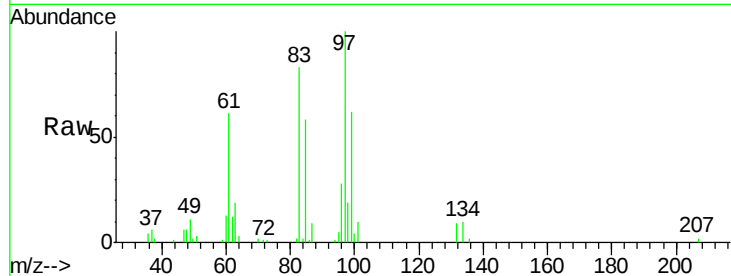
#55
 1,1,2-Trichloroethane
 Concen: 19.293 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion:	97	Resp:	40023
Ion	Ratio	Lower	Upper
97	100		
83	83.2	67.9	101.9
85	57.8	44.6	67.0
99	62.3	50.1	75.1

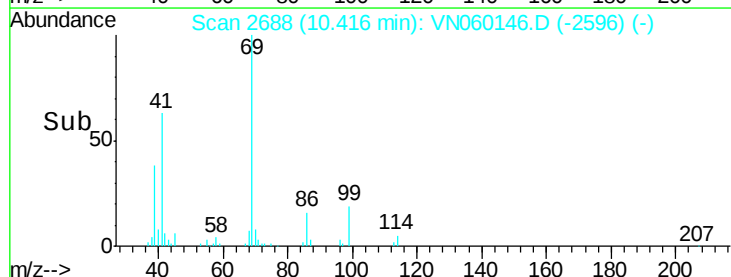
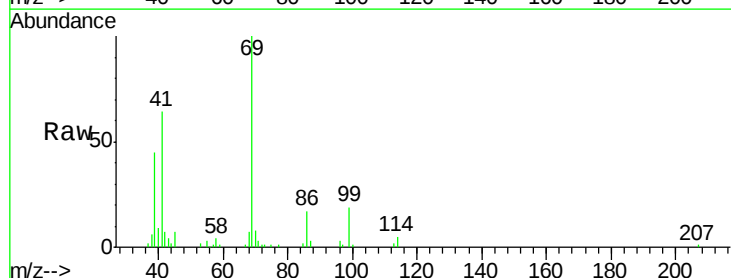
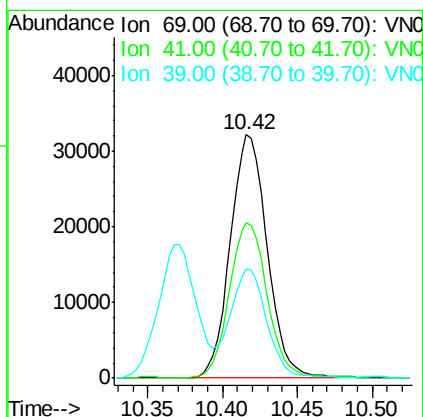
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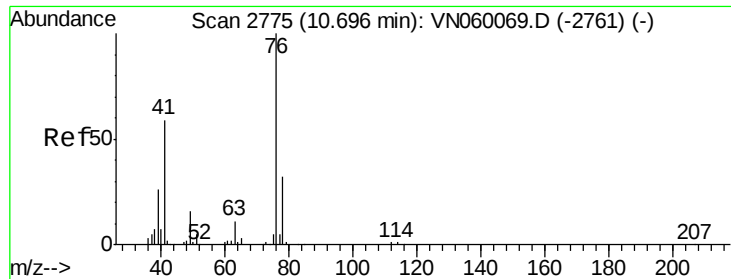
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#56
 Ethyl methacrylate
 Concen: 18.846 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion:	69	Resp:	55306
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.1	76.7
39	45.0	33.8	50.8





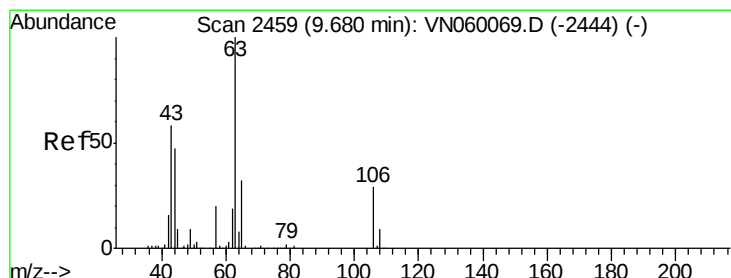
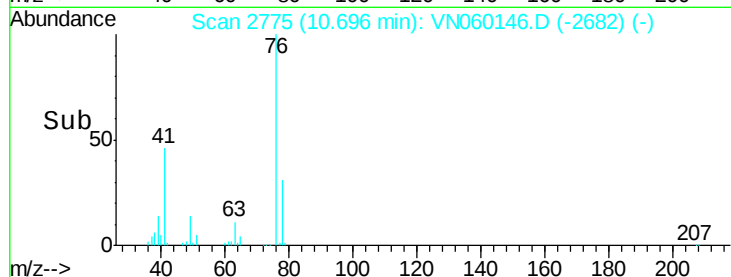
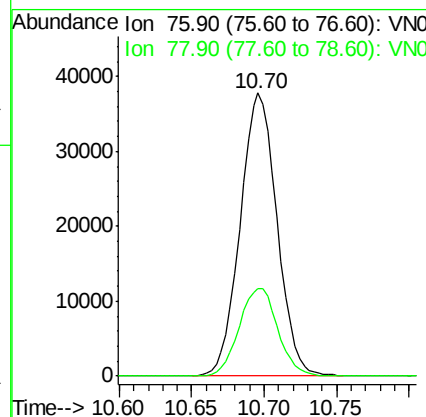
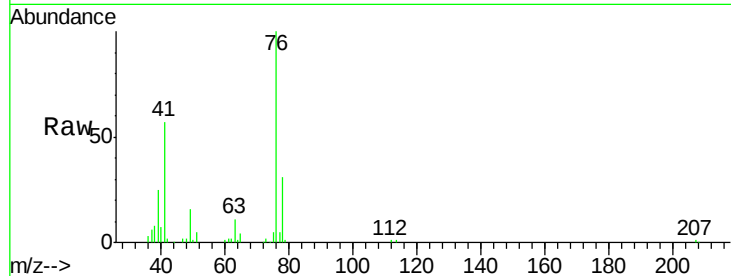
#57
 1,3-Dichloropropane
 Concen: 19.464 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

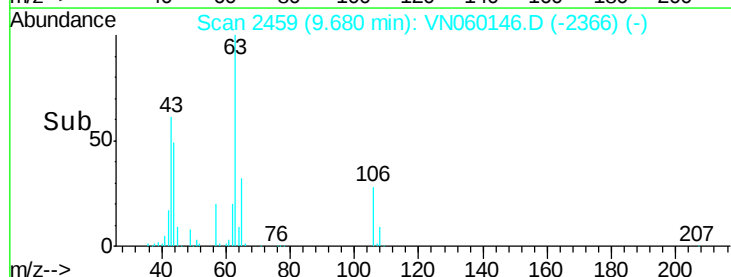
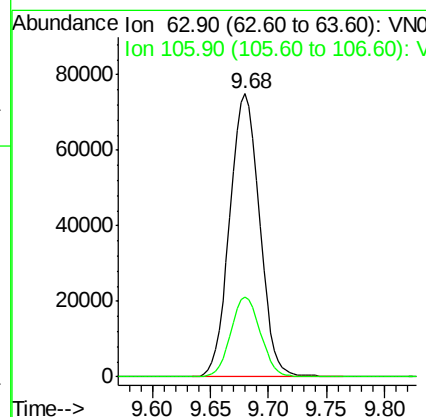
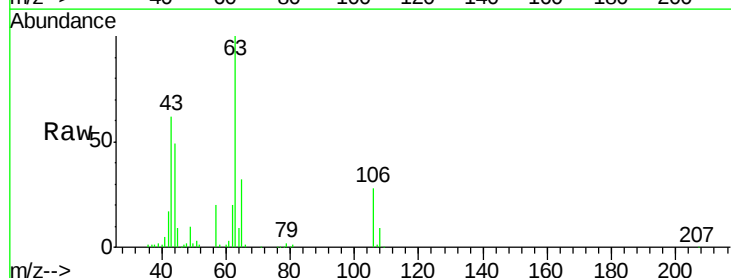
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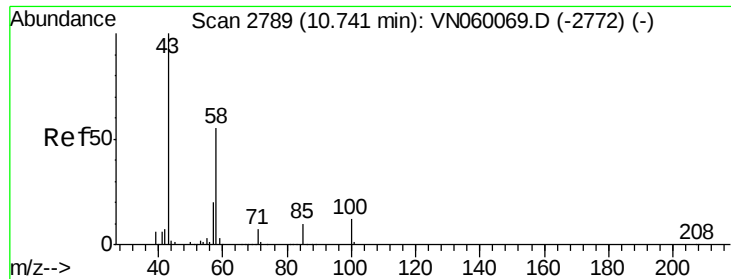
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.709 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.9	34.3





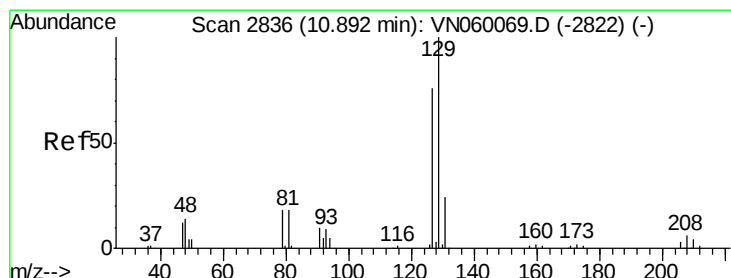
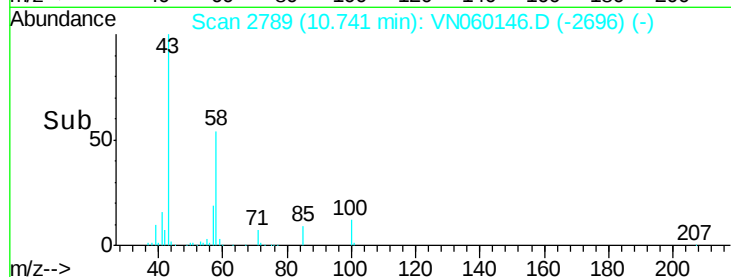
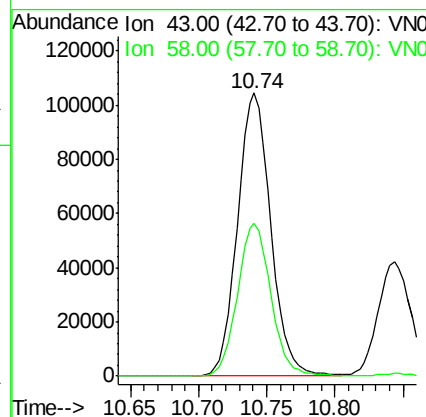
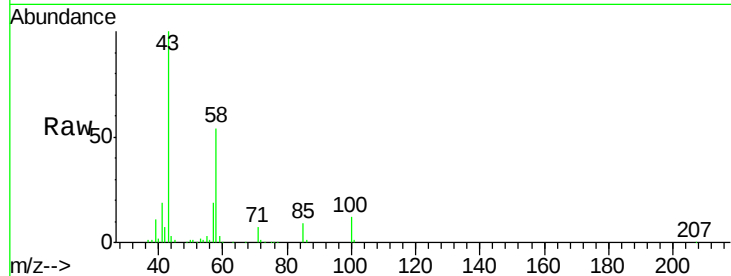
#59
2-Hexanone
Concen: 91.631 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion: 43 Resp: 176932
Ion Ratio Lower Upper
43 100
58 54.1 27.5 82.4

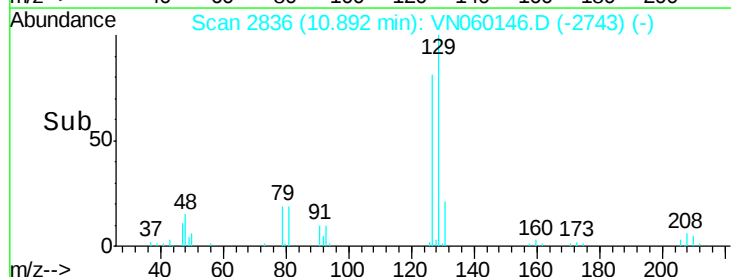
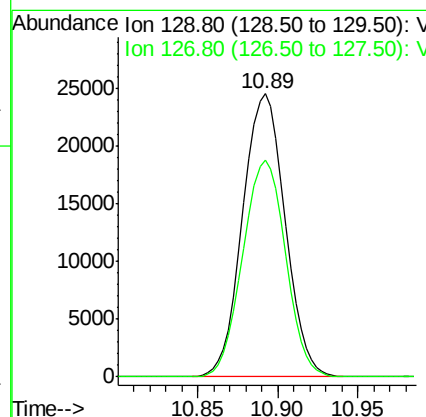
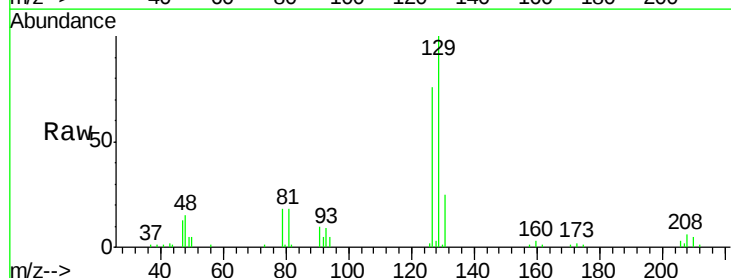
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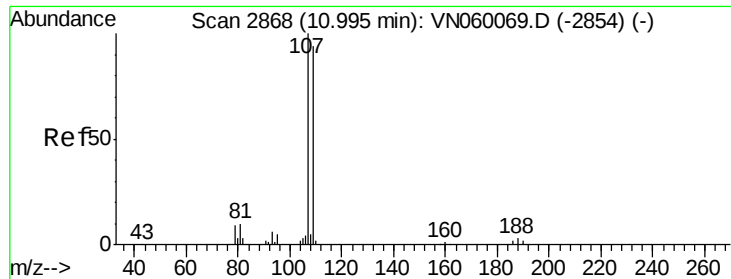
MMDadoda
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#60
Dibromochloromethane
Concen: 18.703 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:129 Resp: 44523
Ion Ratio Lower Upper
129 100
127 77.3 38.0 114.1





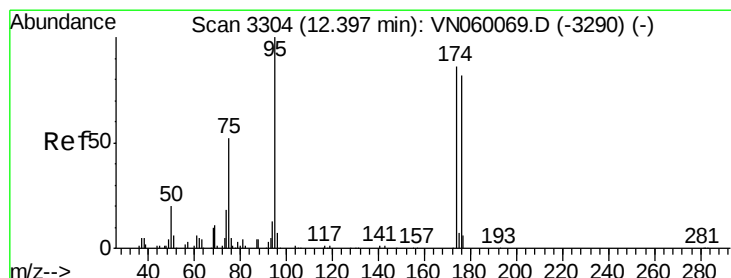
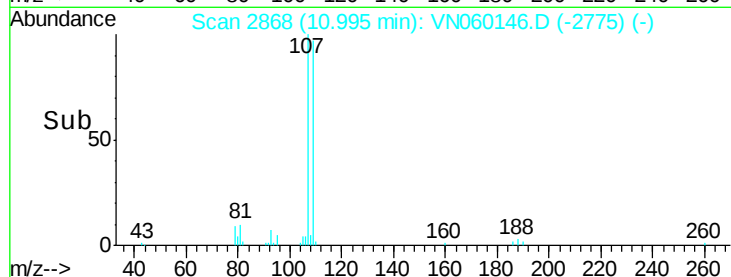
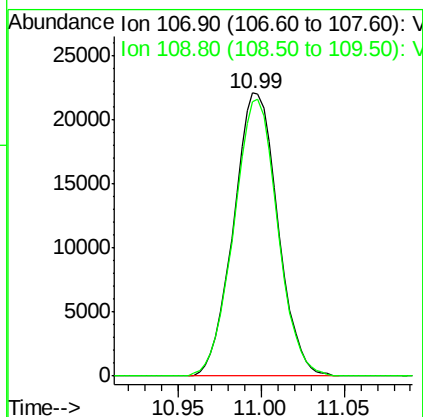
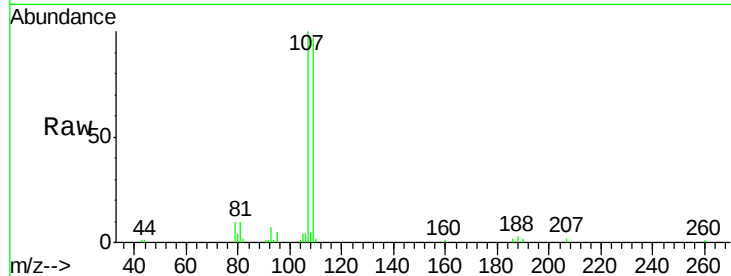
#61
 1,2-Dibromoethane
 Concen: 18.815 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion:107 Resp: 40915
 Ion Ratio Lower Upper
 107 100
 109 97.1 75.4 113.0

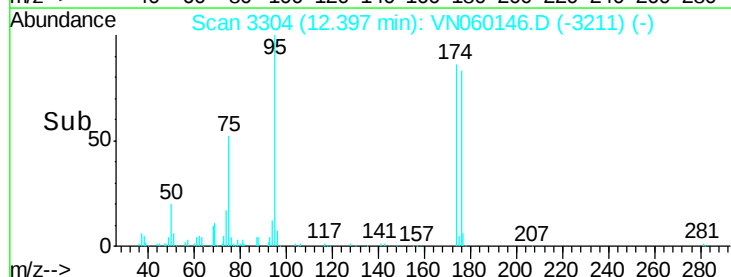
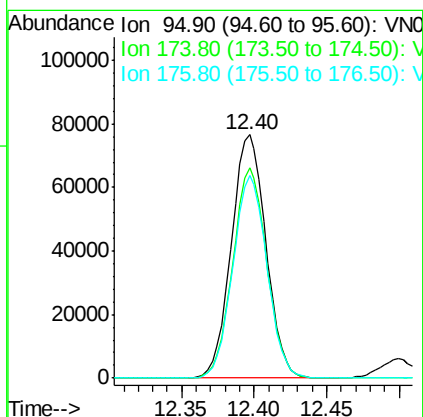
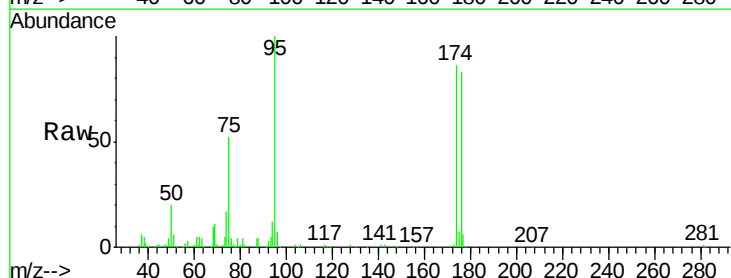
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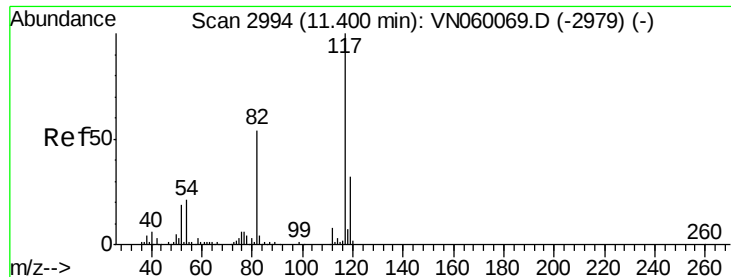
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 47.340 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion: 95 Resp: 127079
 Ion Ratio Lower Upper
 95 100
 174 85.0 0.0 169.8
 176 81.8 0.0 164.8





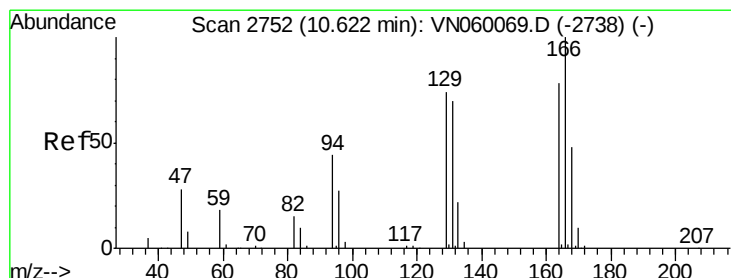
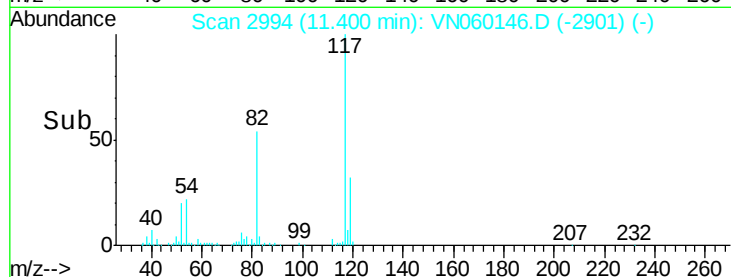
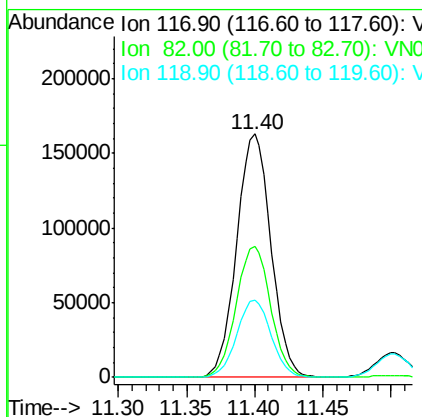
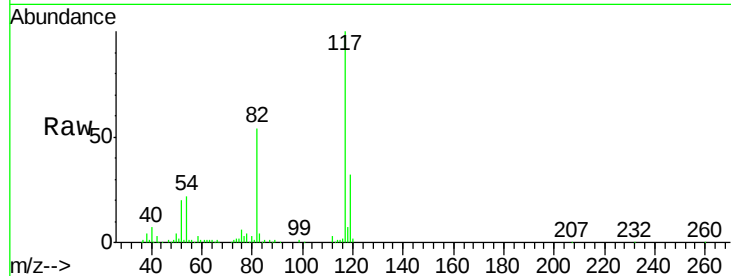
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	43.4	65.0
119	31.8	25.8	38.6

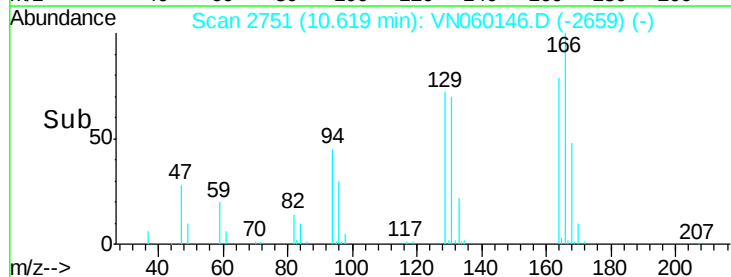
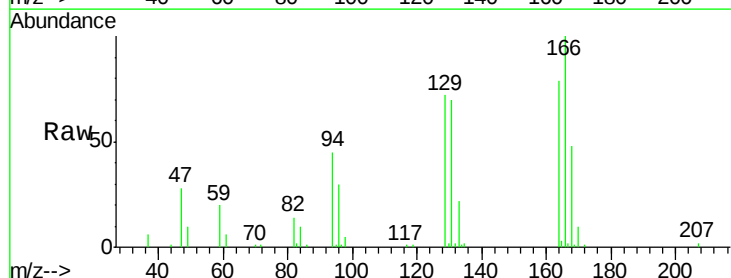
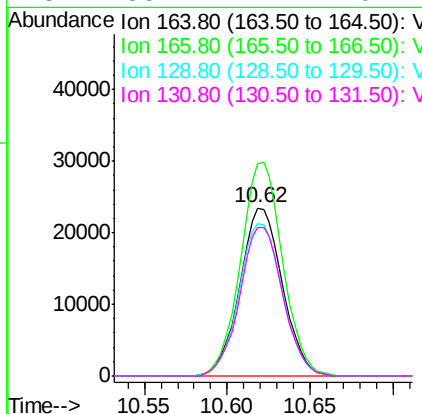
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#64
Tetrachloroethene
Concen: 19.225 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.9	152.9
129	91.0	75.4	113.0
131	88.2	71.4	107.2





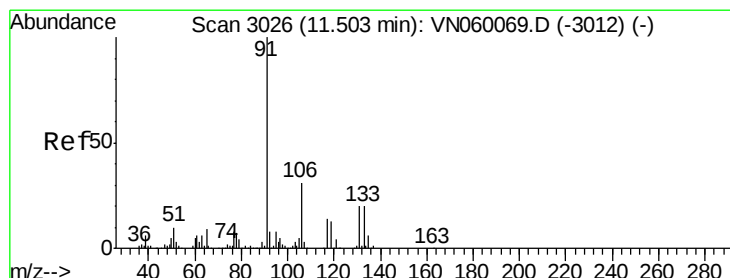
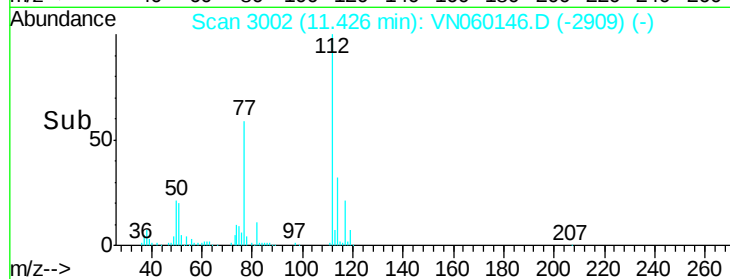
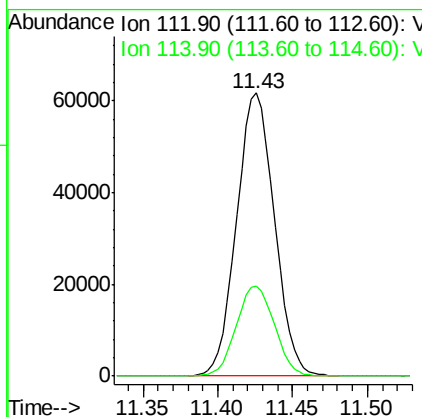
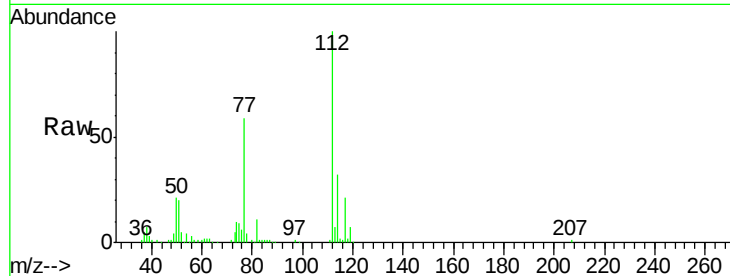
#65
Chlorobenzene
Concen: 18.798 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion:112 Resp: 108900
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

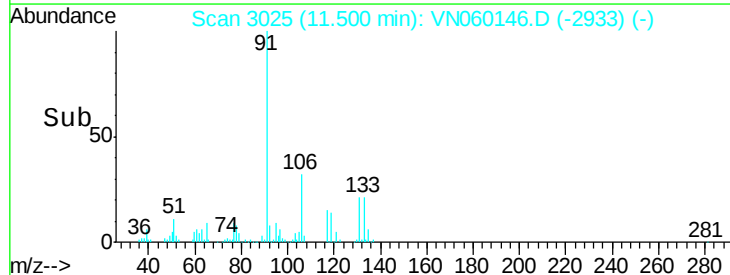
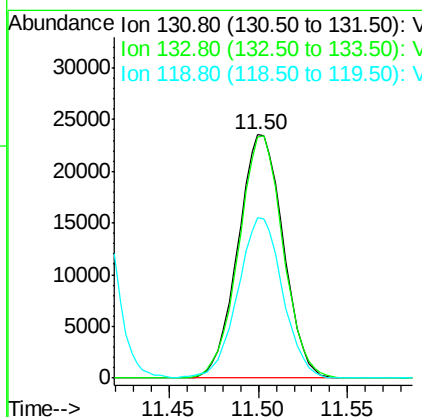
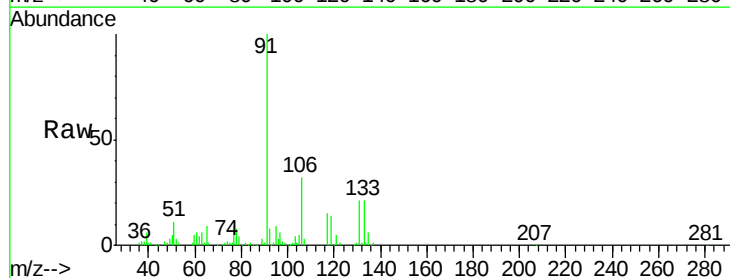
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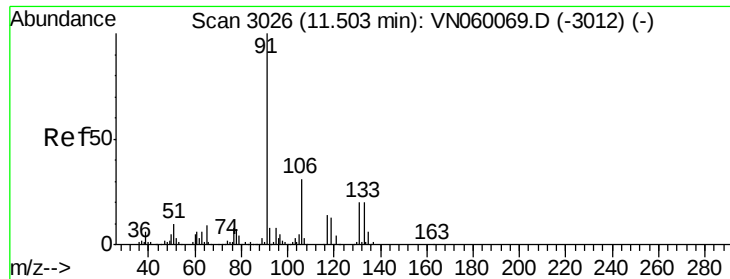
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.911 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:131 Resp: 41445
Ion Ratio Lower Upper
131 100
133 97.9 47.9 143.7
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 18.905 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

Tot Ion: 91 Resp: 197526

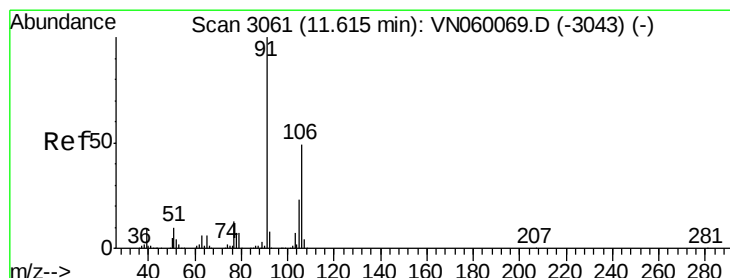
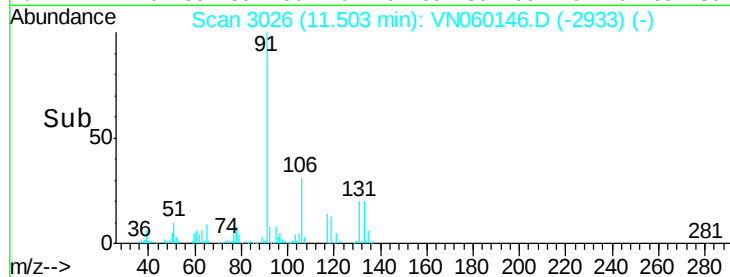
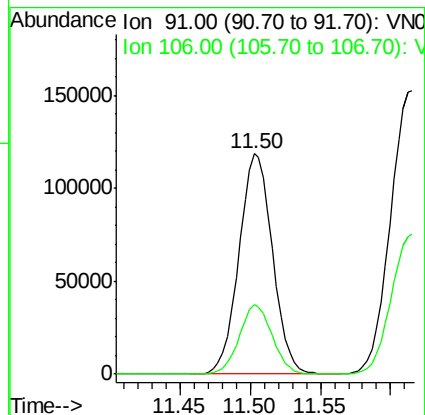
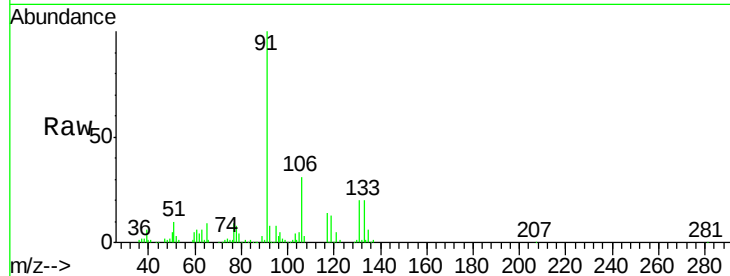
Ion Ratio Lower Upper

91 100

106 31.4 25.1 37.7

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#68

m/p-Xylenes

Concen: 37.514 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060146.D

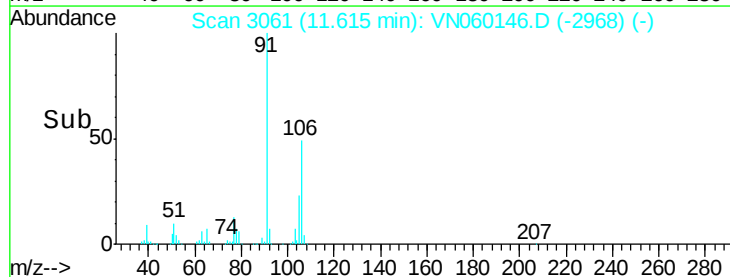
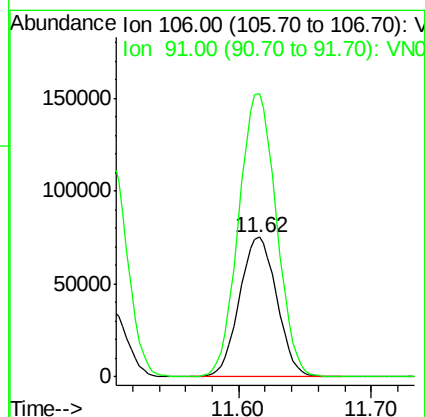
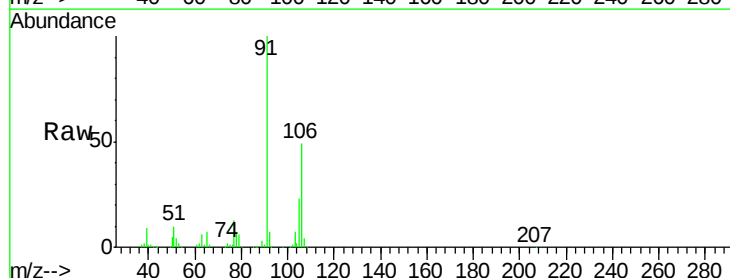
Acq: 19 Feb 2020 11:19

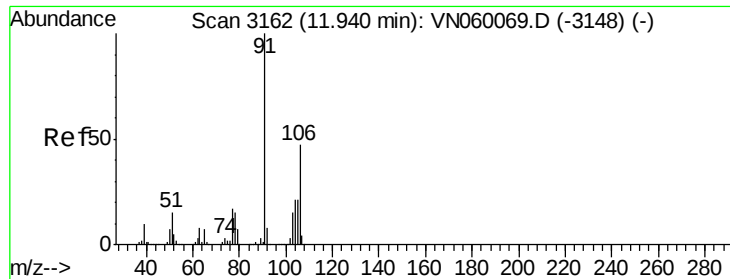
Tgt Ion: 106 Resp: 147110

Ion Ratio Lower Upper

106 100

91 204.6 162.7 244.1





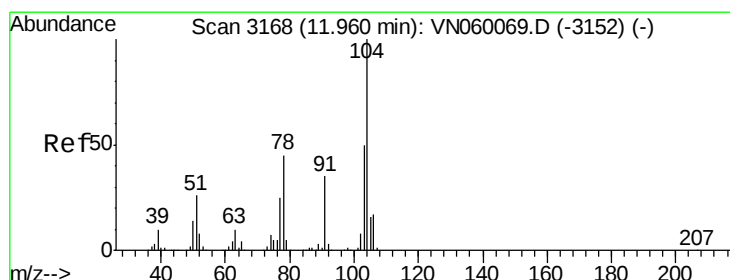
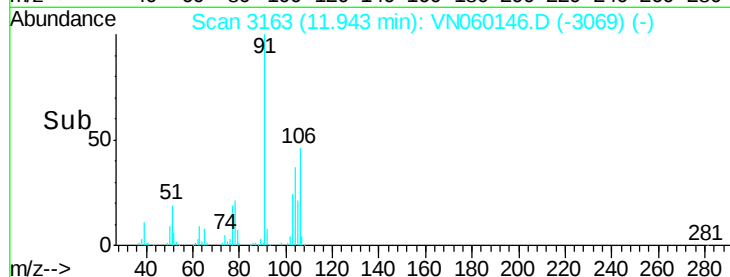
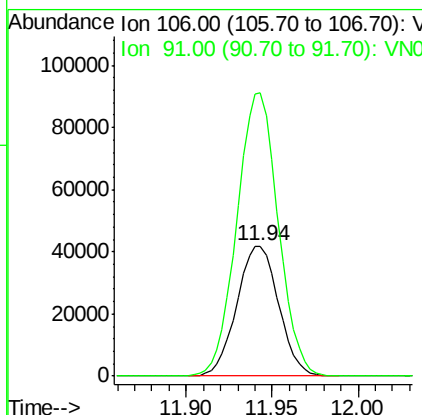
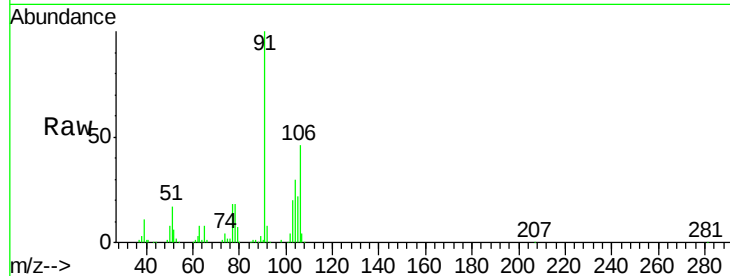
#69
o-Xylene
Concen: 18.706 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion:106 Resp: 70630
Ion Ratio Lower Upper
106 100
91 215.2 107.2 321.6

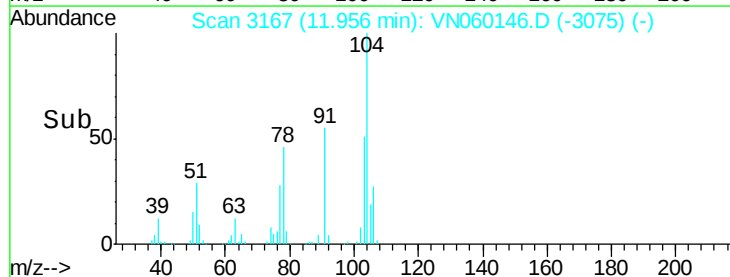
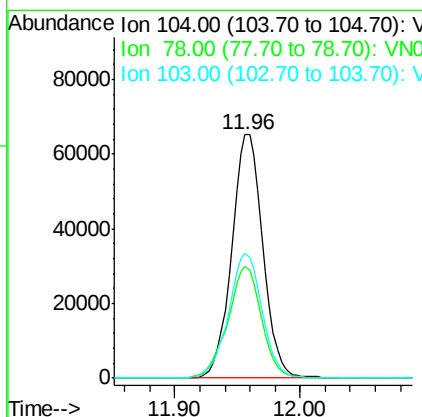
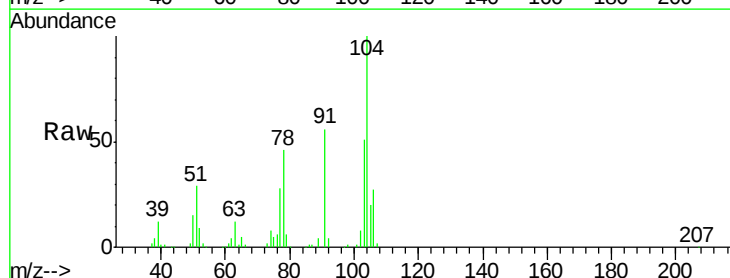
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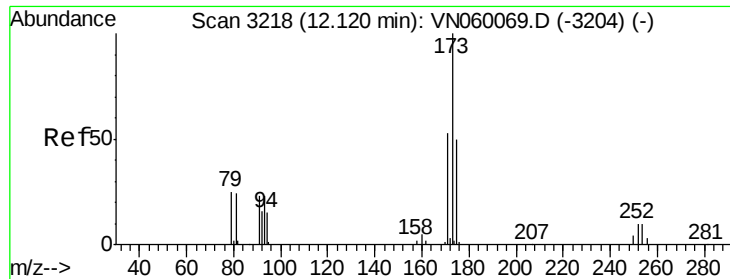
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#70
Styrene
Concen: 18.444 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion:104 Resp: 112298
Ion Ratio Lower Upper
104 100
78 49.6 40.2 60.2
103 55.2 44.3 66.5





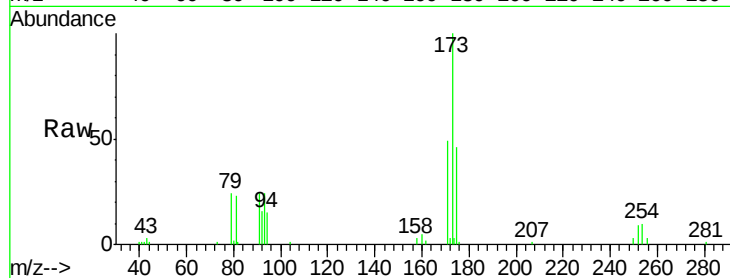
#71
Bromoform
Concen: 18.317 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

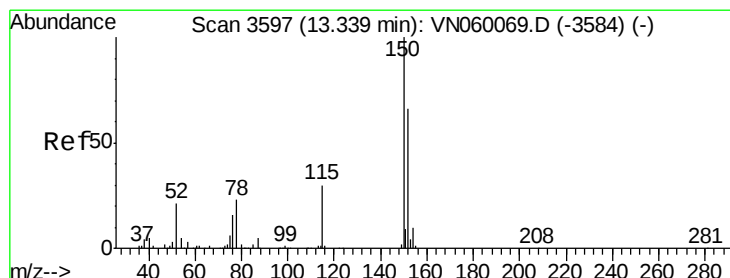
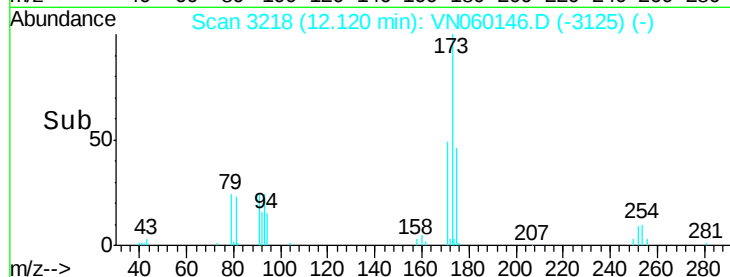
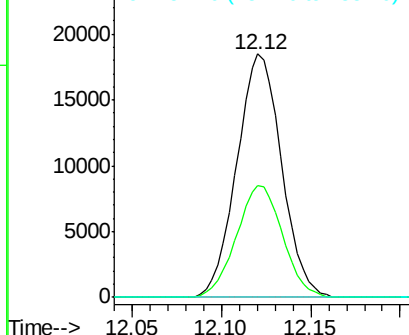
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.9	74.6
254	0.0	0.0	0.0

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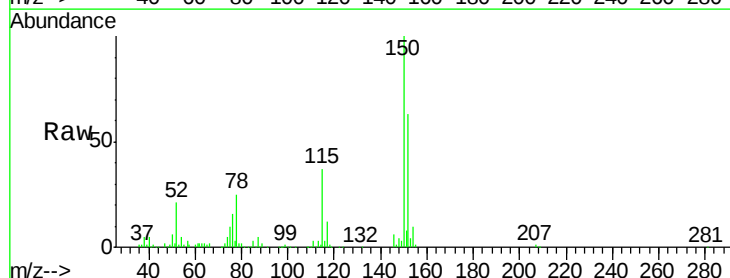


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

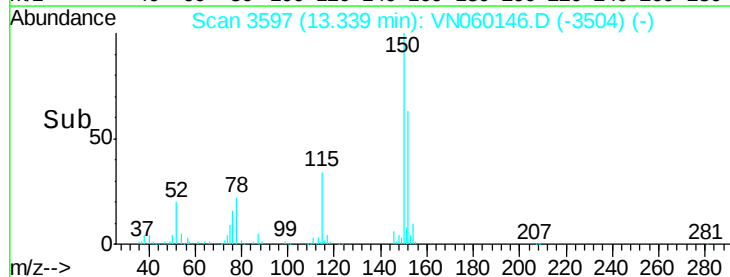
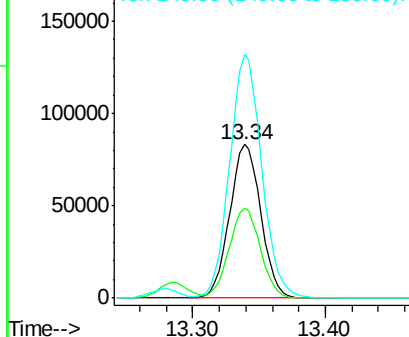


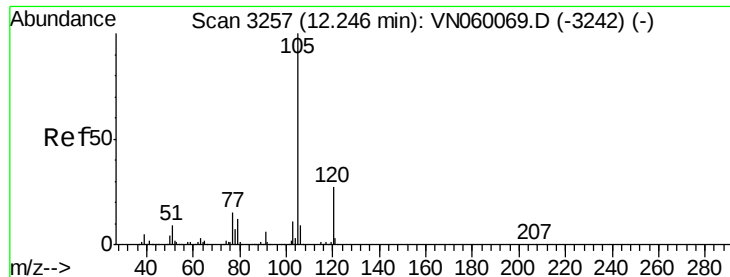
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	28.9	86.8
150	162.6	0.0	342.4



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





#73

Isopropylbenzene

Concen: 18.893 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampleId :

VN0219WBS01

Tot Ion: 105 Resp: 191744

Ion Ratio Lower Upper

105 100

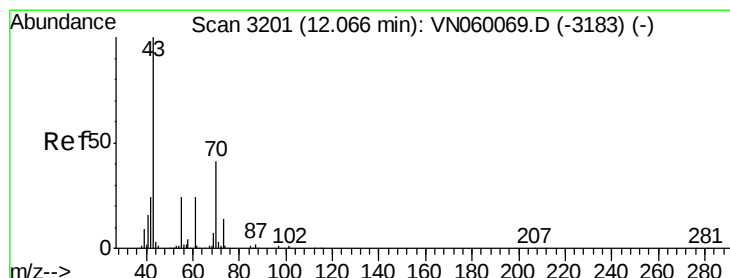
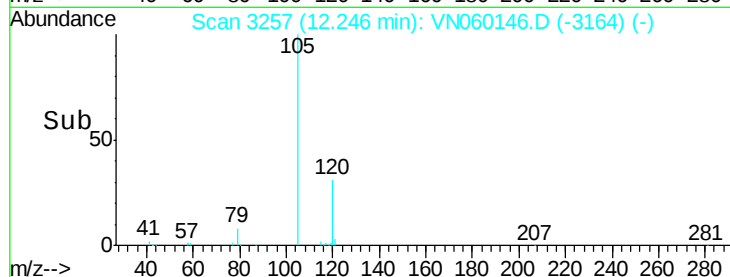
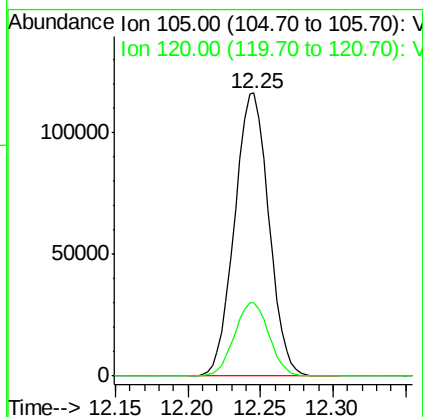
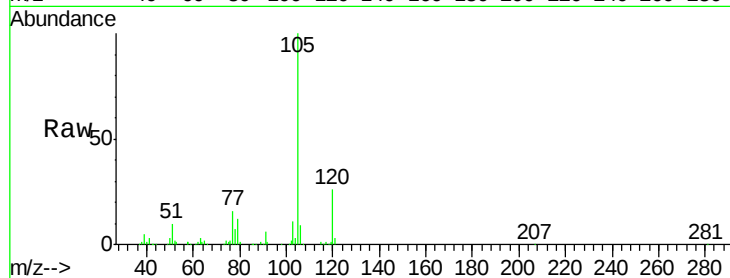
120 26.0 13.3 39.8

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#74

N-ethyl acetate

Concen: 18.511 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion: 43 Resp: 67744

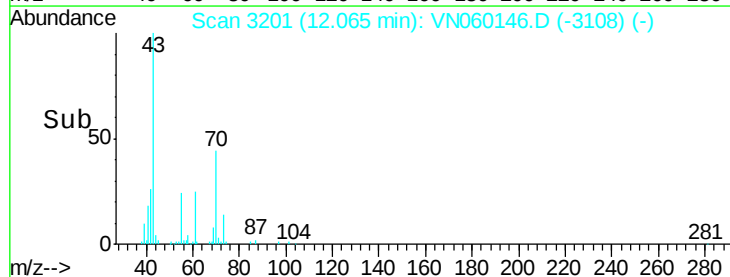
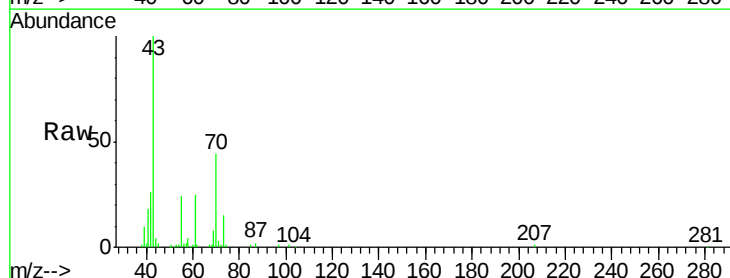
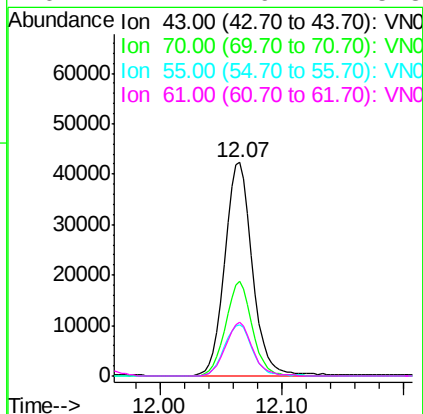
Ion Ratio Lower Upper

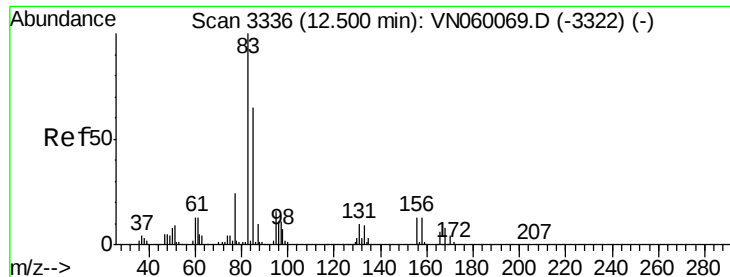
43 100

70 42.4 33.4 50.0

55 24.2 18.8 28.2

61 24.4 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 18.980 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

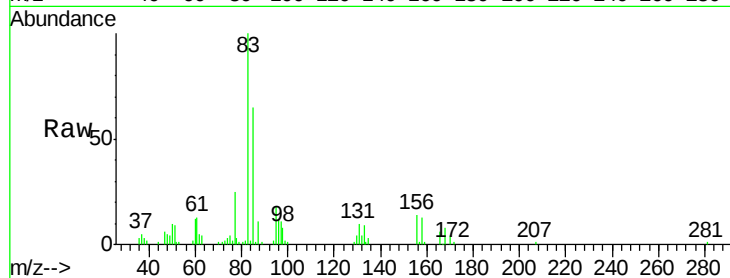
ClientSampleId :

VN0219WBS01

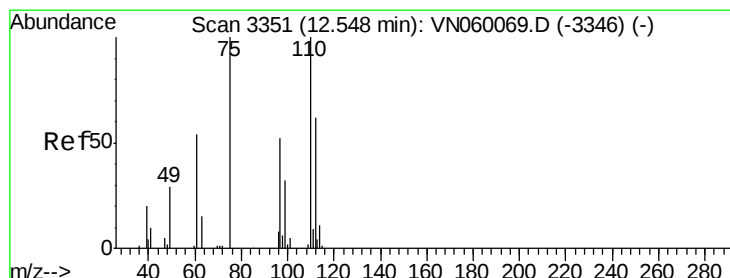
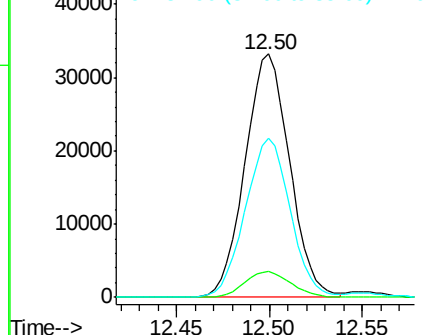
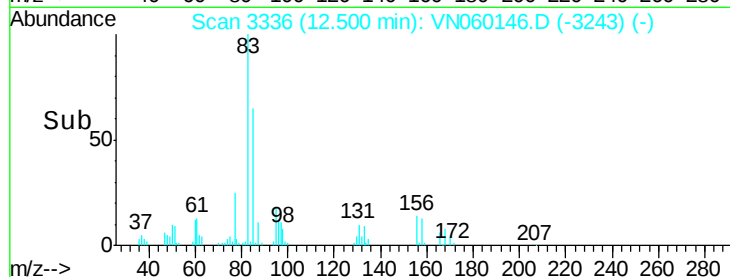
Tot Ion:	83	Resp:	55443
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	65.8	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VN060146.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 19.401 ug/l m

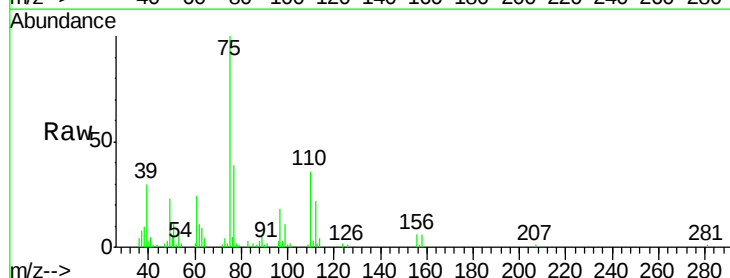
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

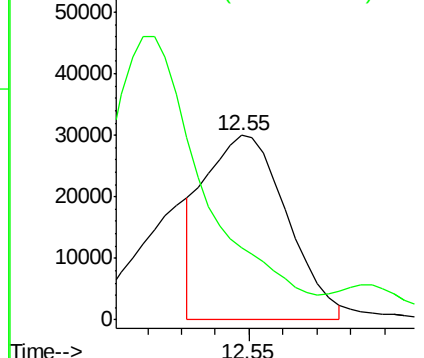
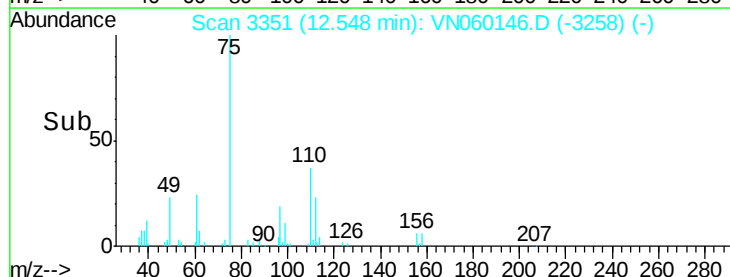
Lab File: VN060146.D

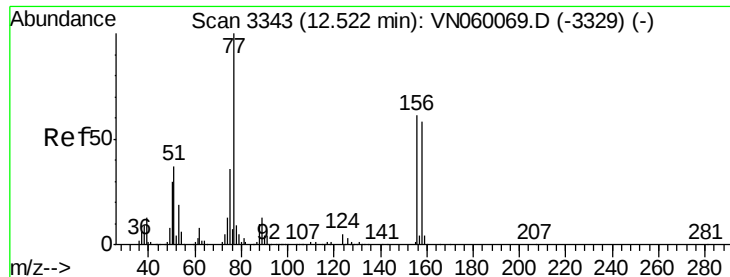
Acq: 19 Feb 2020 11:19

Tgt Ion:	75	Resp:	50446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060146.D (-3258) (-)





#77

Bromobenzene

Concen: 19.258 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

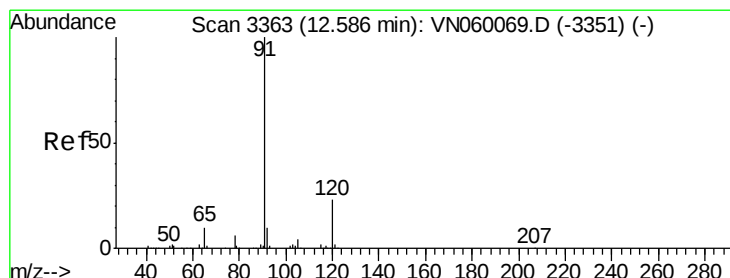
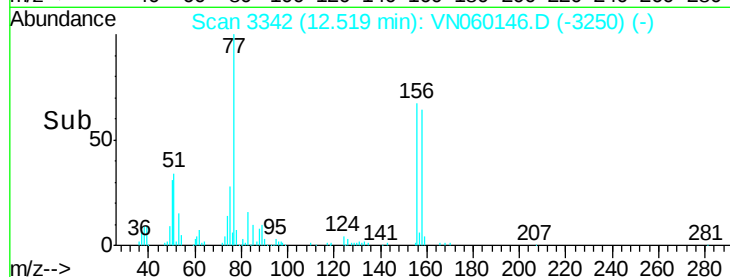
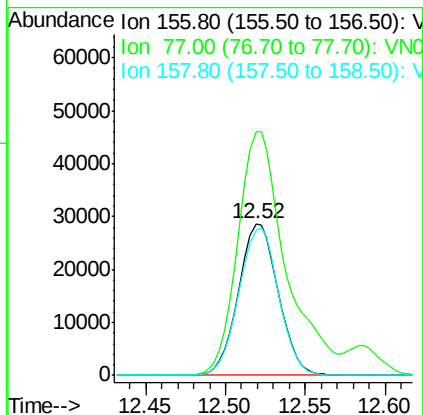
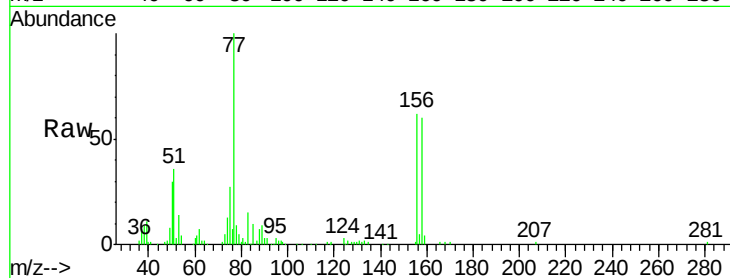
ClientSampleId :

VN0219WBS01

Tot Ion:	156	Resp:	48502
Ion Ratio	Lower	Upper	
156	100		
77	195.2	98.7	296.1
158	97.0	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 18.833 ug/l

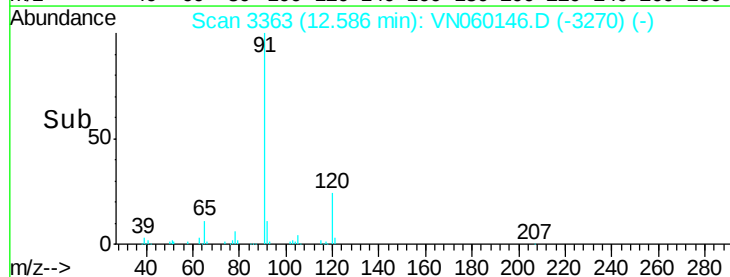
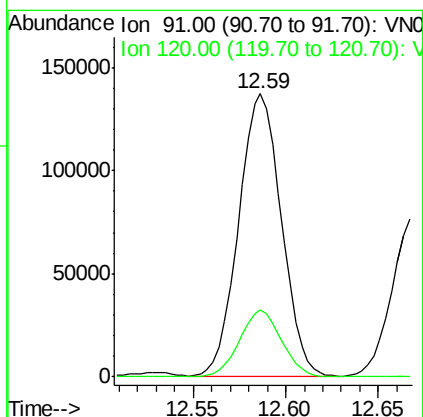
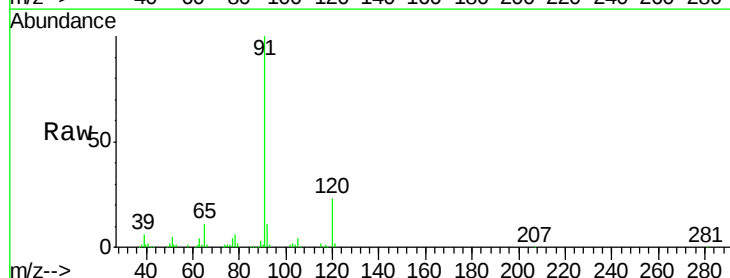
RT: 12.59 min Scan# 3363

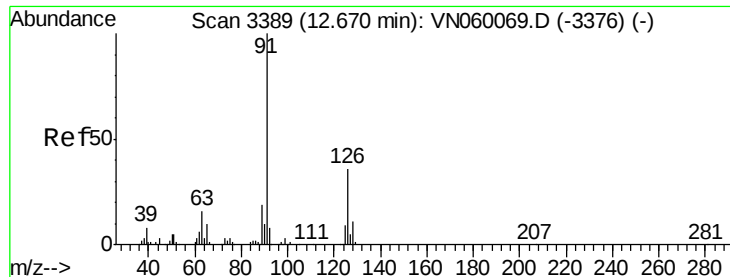
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	91	Resp:	217766
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 18.858 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

ClientSampled :

VN0219WBS01

Tot Ion: 91 Resp: 128166

Ion Ratio Lower Upper

91 100

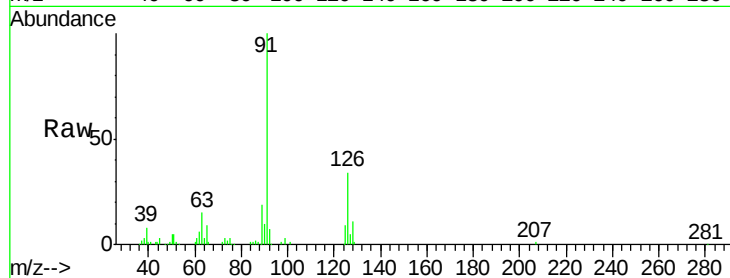
126 34.6 17.4 52.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060069.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060069.D (-3376) (-)

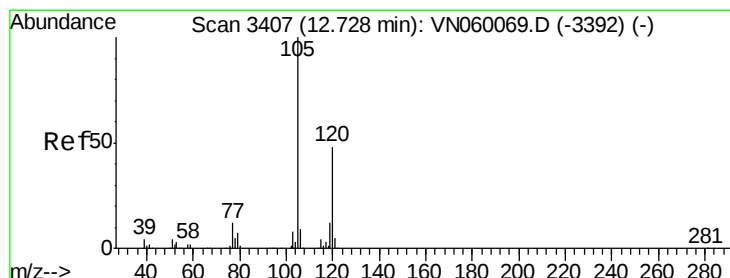
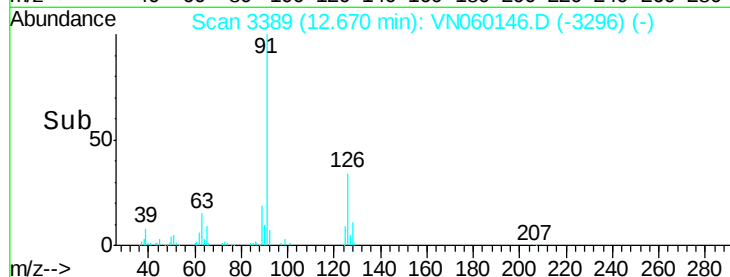
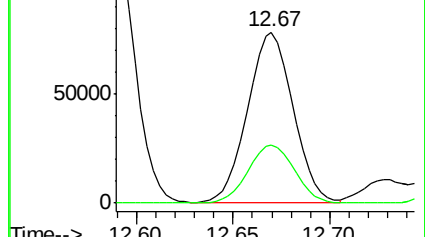
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.055 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060146.D

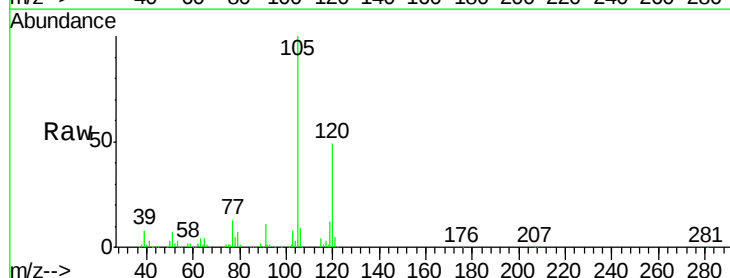
Acq: 19 Feb 2020 11:19

Tgt Ion: 105 Resp: 160788

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060069.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN060069.D (-3392) (-)

120000

100000

80000

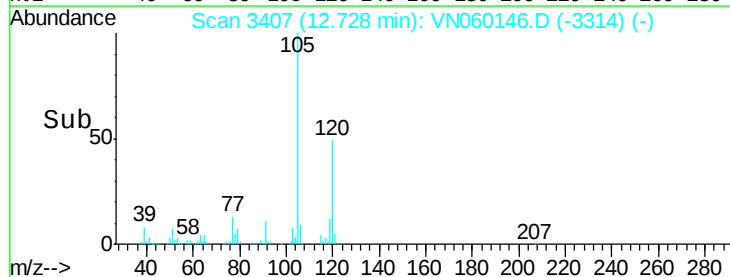
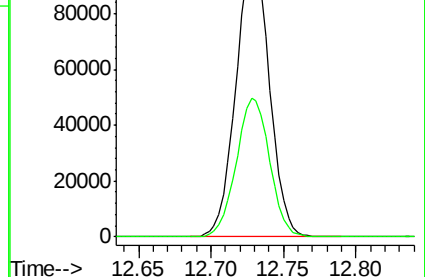
60000

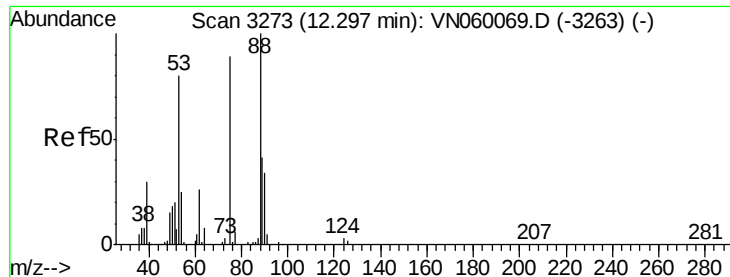
40000

20000

0

12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 18.121 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

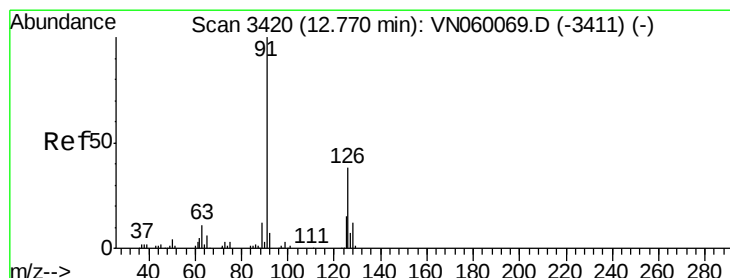
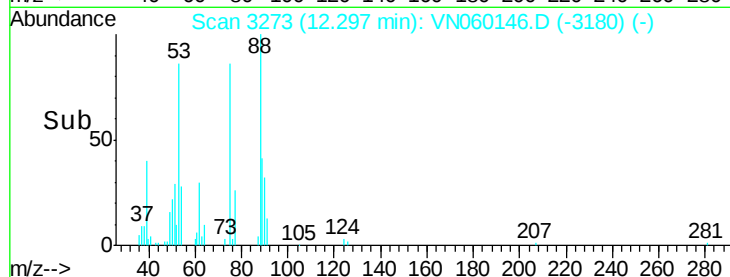
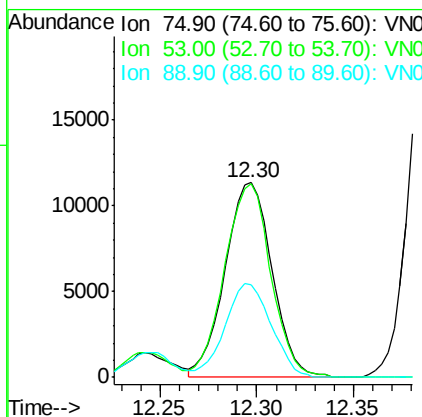
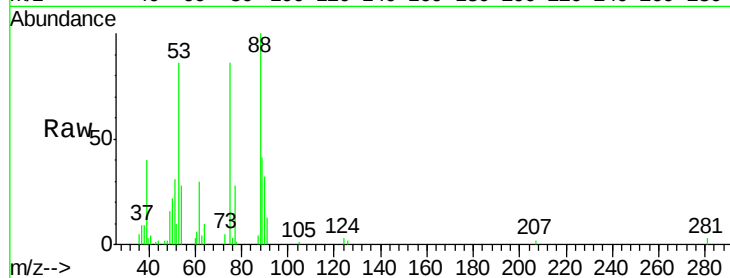
ClientSampleId :

VN0219WBS01

Tot Ion:	75	Resp:	19244
Ion	Ratio	Lower	Upper
75	100		
53	97.6	73.9	110.9
89	47.5	37.0	55.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.912 ug/l

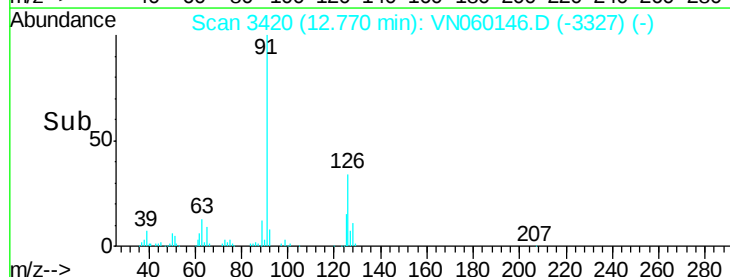
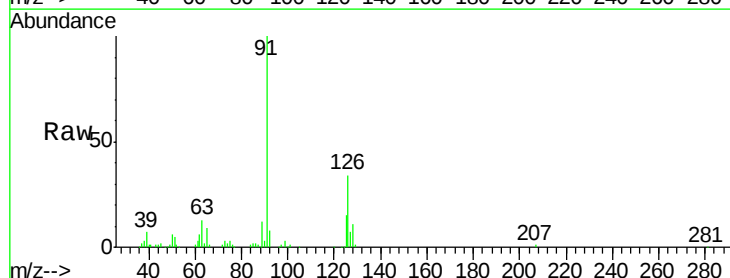
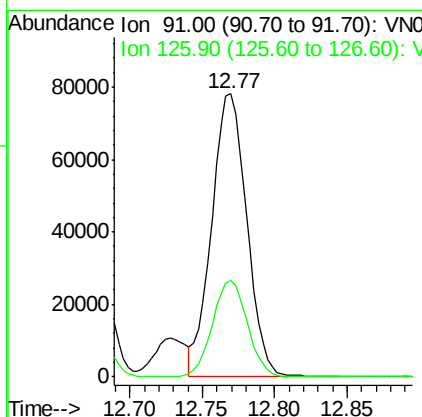
RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	91	Resp:	131871
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.1	51.3





#83

tert-Butylbenzene

Concen: 18.800 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

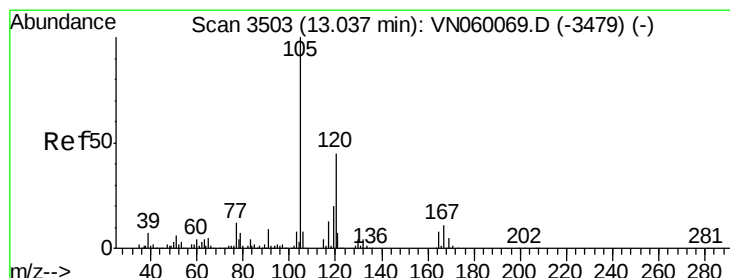
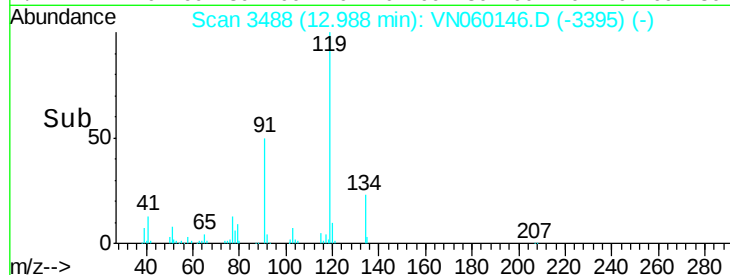
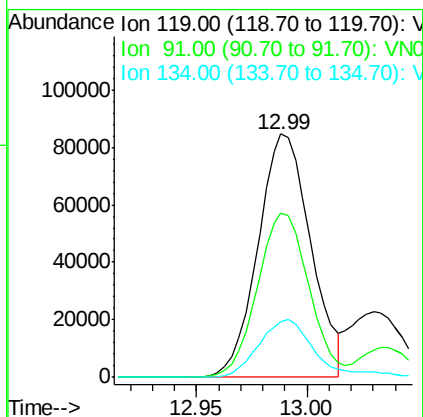
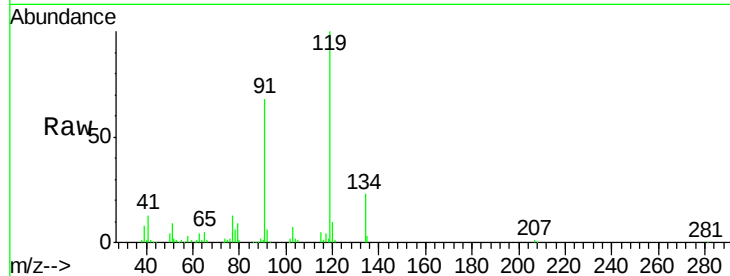
ClientSampled :

VN0219WBS01

Tot Ion:	119	Resp:	140332
Ion Ratio	Lower	Upper	
119	100		
91	66.1	32.7	98.1
134	25.3	12.9	38.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.240 ug/l

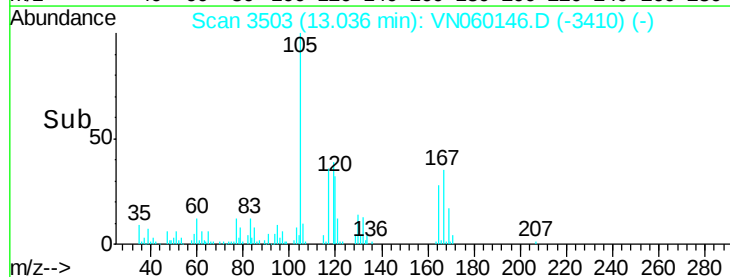
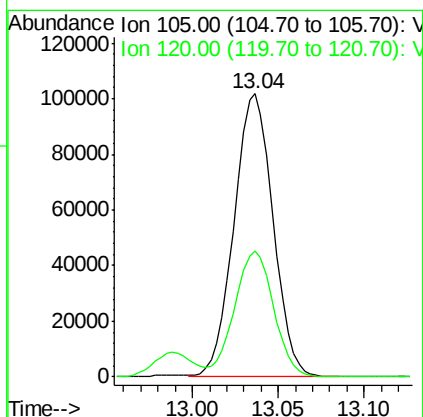
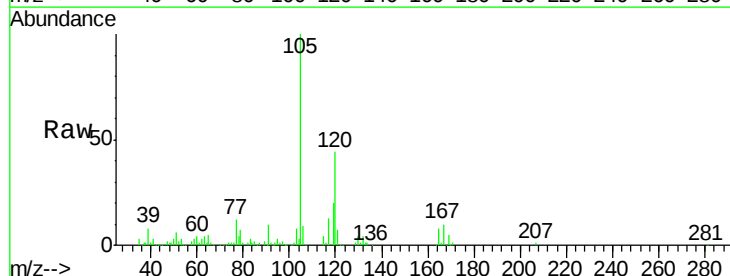
RT: 13.04 min Scan# 3503

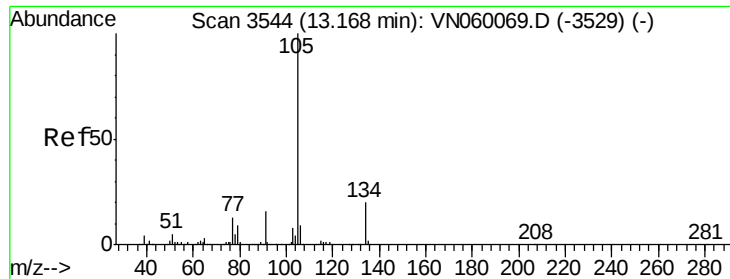
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion:	105	Resp:	160262
Ion Ratio	Lower	Upper	
105	100		
120	44.7	22.4	67.3





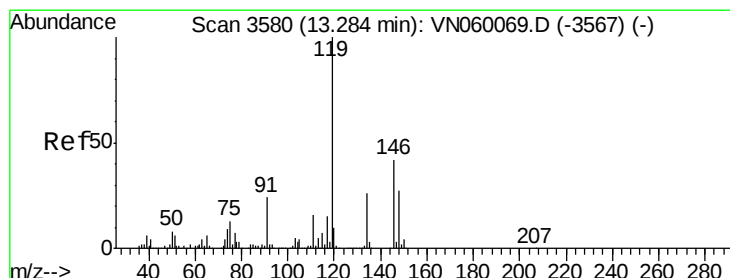
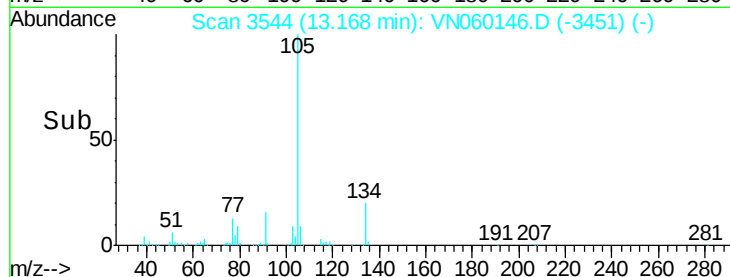
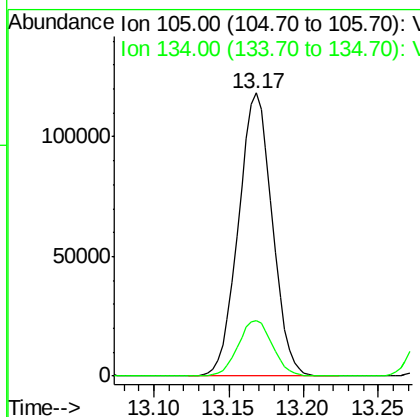
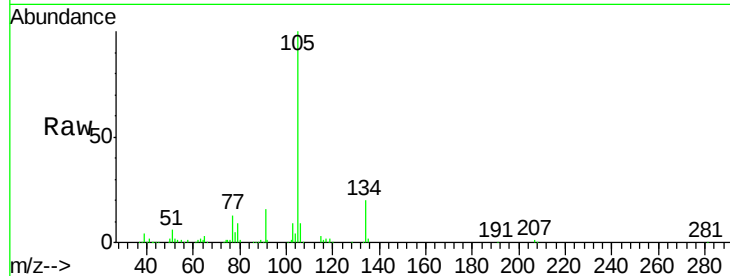
#85
 sec-Butylbenzene
 Concen: 18.840 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	186245		
134	19.8	9.9	29.7	

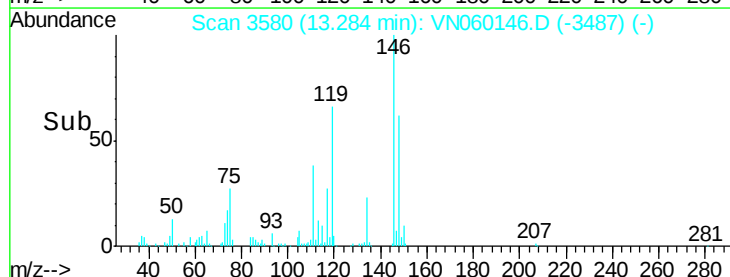
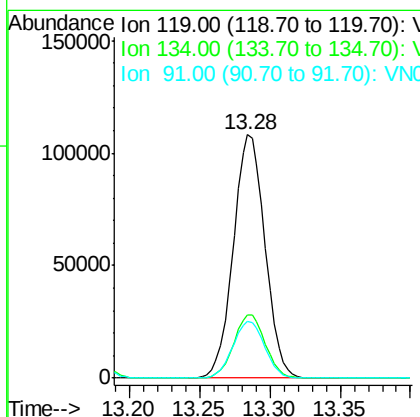
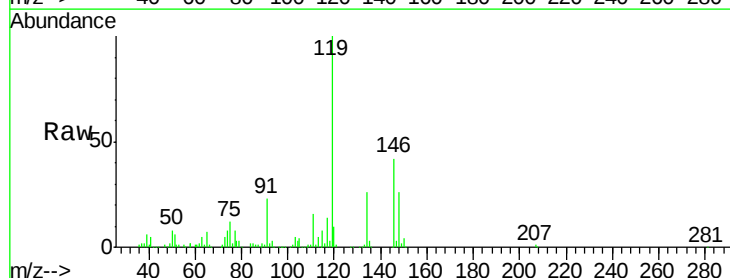
Manual Integrations
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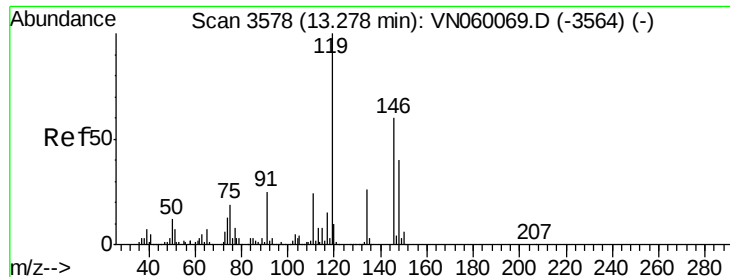
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 18.937 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	169615		
134	26.0	13.3	39.8	
91	23.6	11.9	35.9	





#87

1,3-Dichlorobenzene

Concen: 18.842 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060146.D

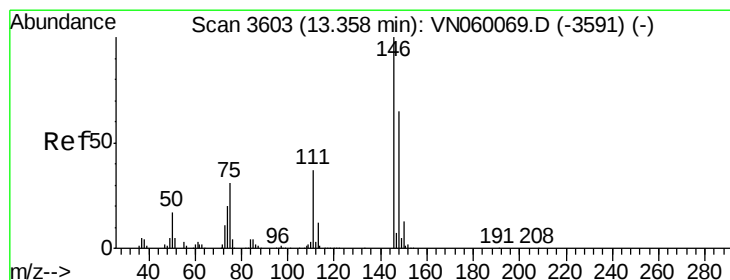
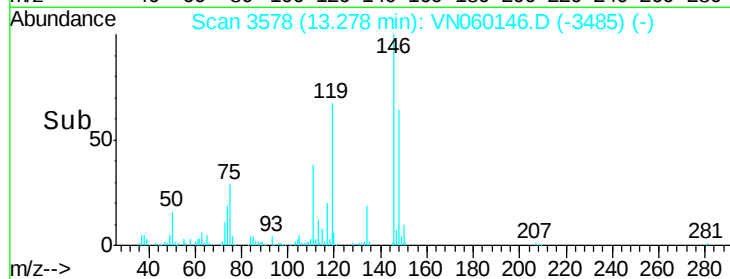
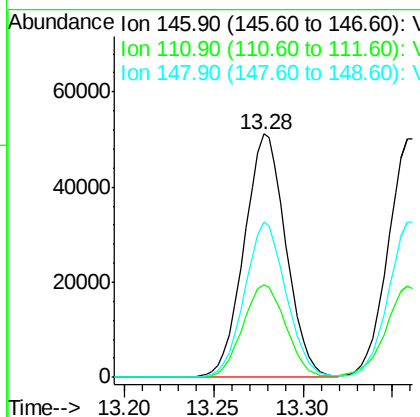
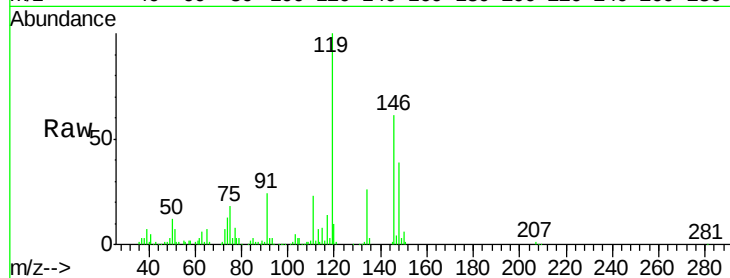
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampled :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	63.3	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 18.921 ug/l

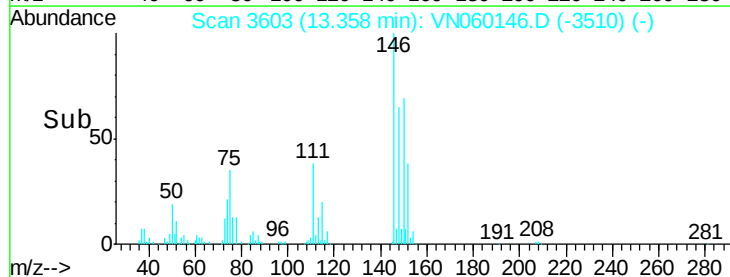
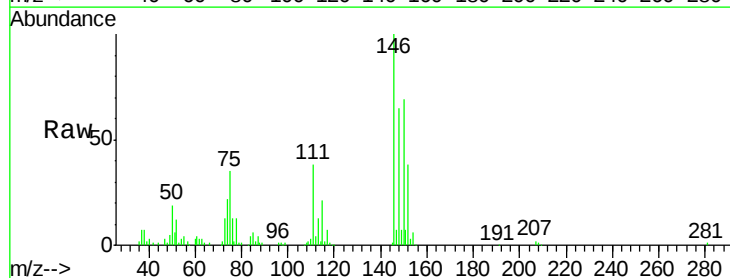
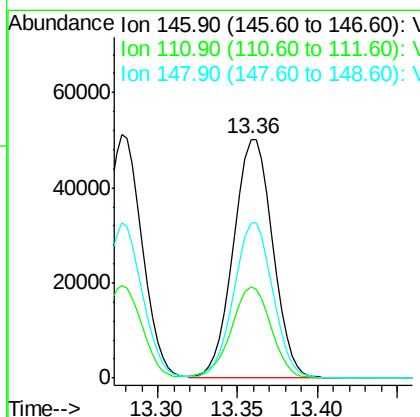
RT: 13.36 min Scan# 3603

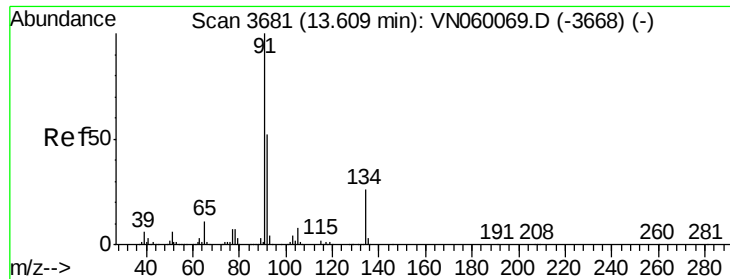
Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.9	56.5
148	64.3	32.0	96.0





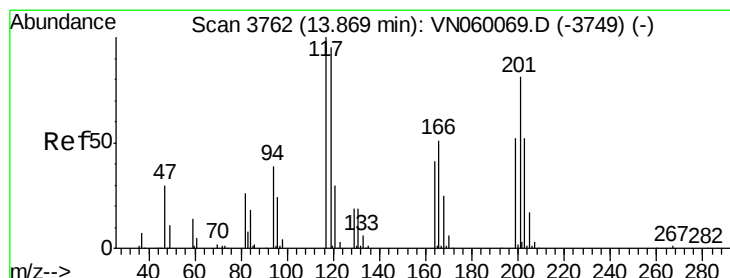
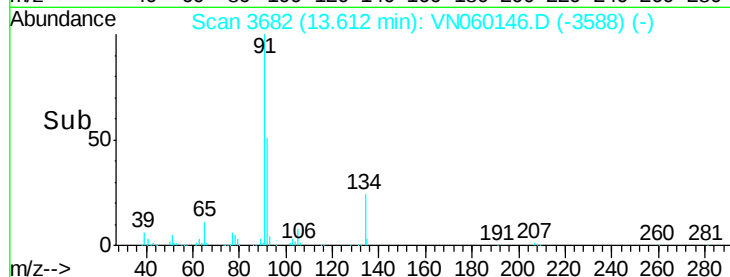
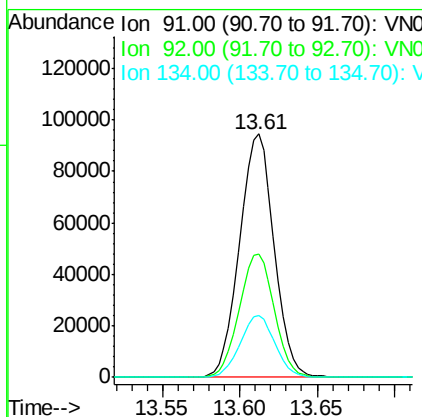
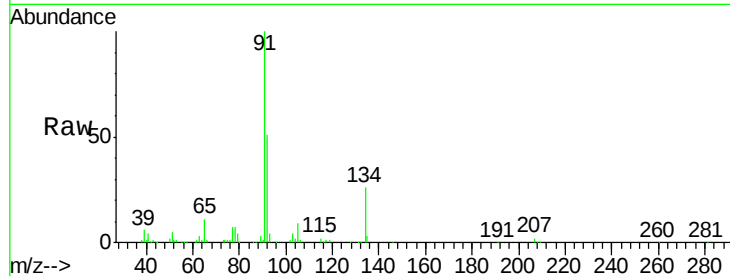
#89
n-Butylbenzene
Concen: 18.667 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Instrument :
MSVOA_N
ClientSampleId :
VN0219WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.1	78.2
134	25.6	13.1	39.3

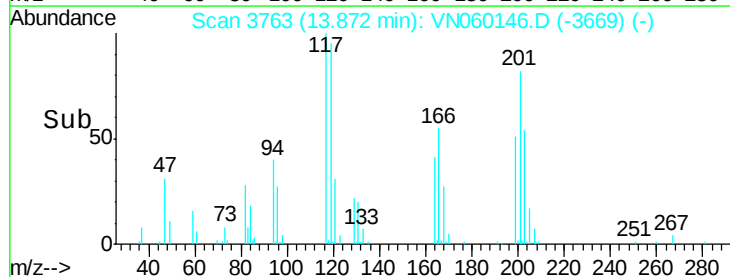
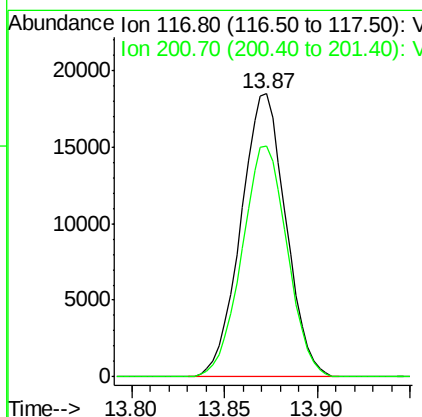
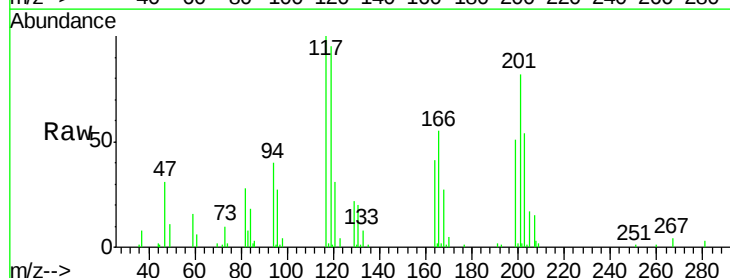
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#90
Hexachloroethane
Concen: 18.606 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060146.D
Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.7	125.1





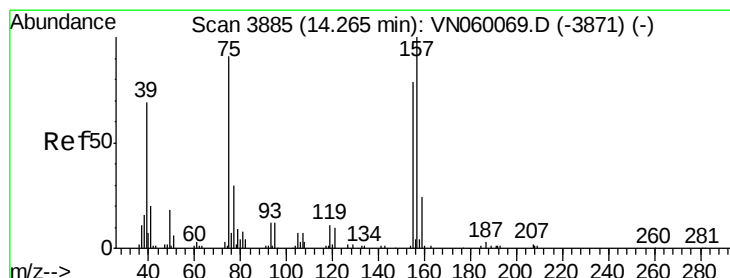
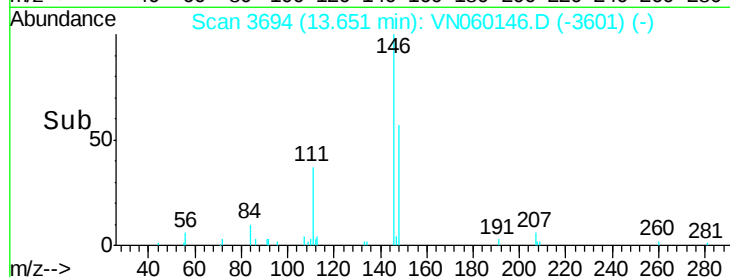
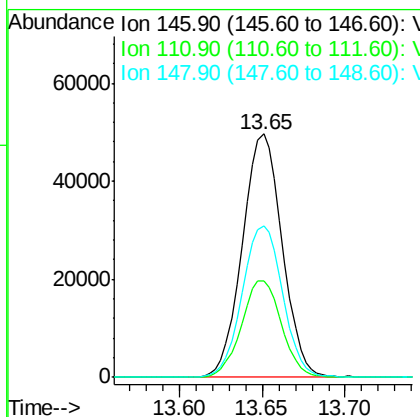
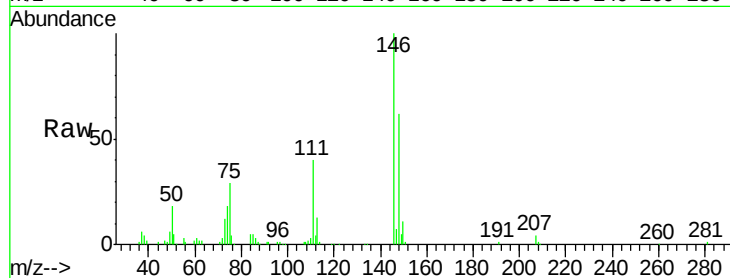
#91
 1,2-Dichlorobenzene
 Concen: 19.039 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0219WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.1	60.2
148	63.3	31.9	95.5

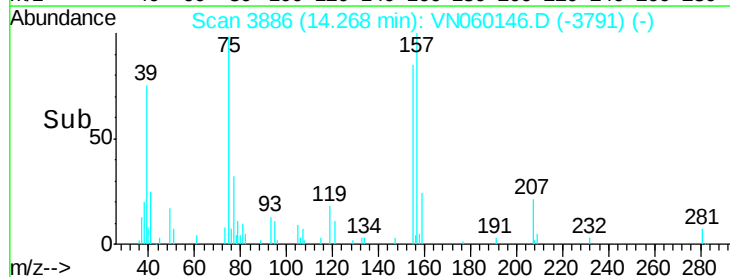
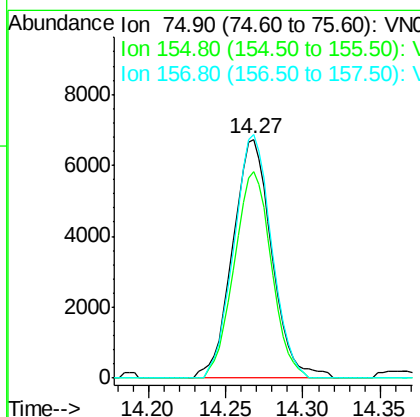
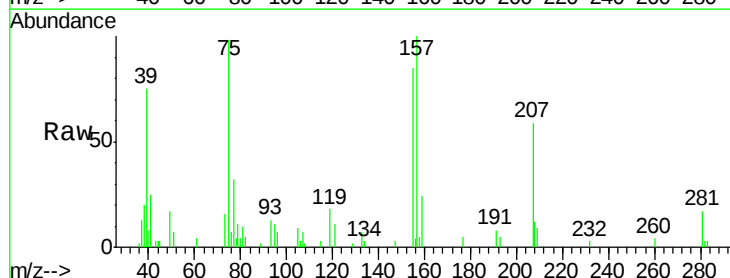
Manual Integrations
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 2/21/2020 11:48:22 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.551 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	43.0	129.0
157	97.9	54.9	164.5





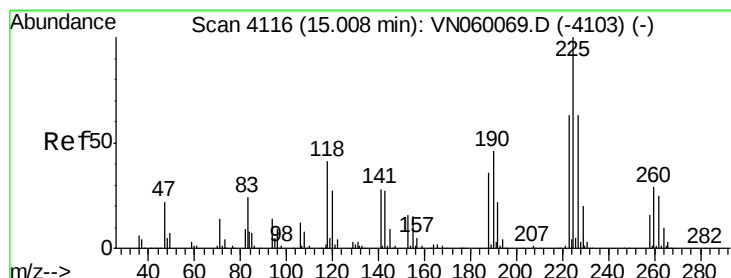
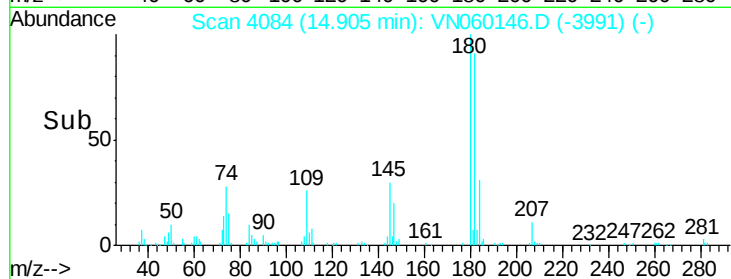
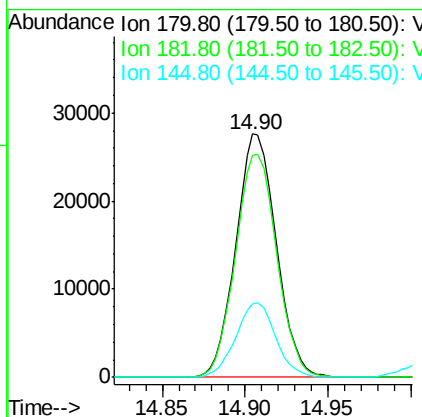
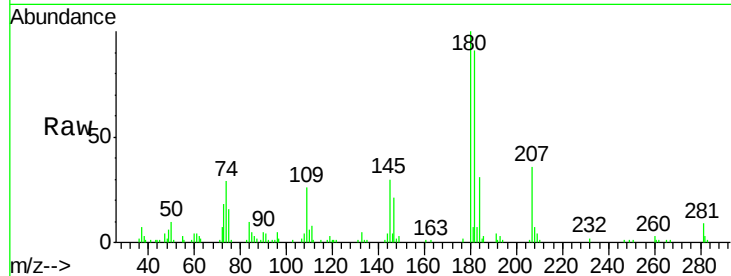
#93
 1,2,4-Trichlorobenzene
 Concen: 18.319 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Instrument :
 MSVOA_N
 ClientSampled :
 VN0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	46962		
182	93.5	47.9	143.8	
145	30.1	15.2	45.5	

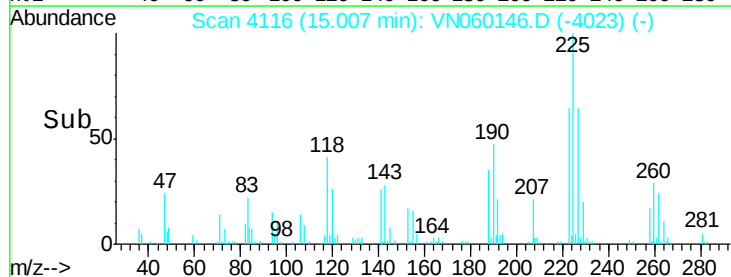
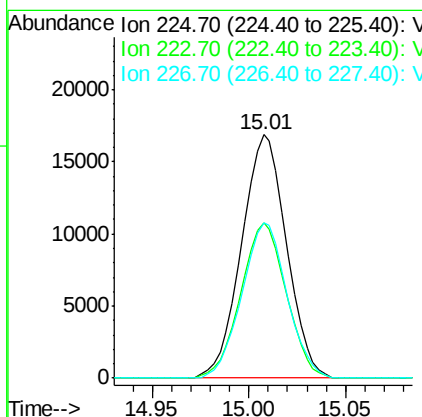
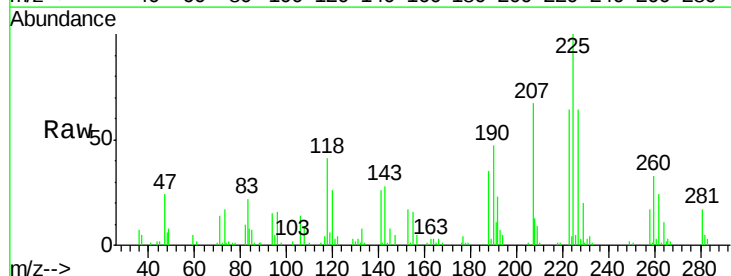
Manual Integrations
 APPROVED

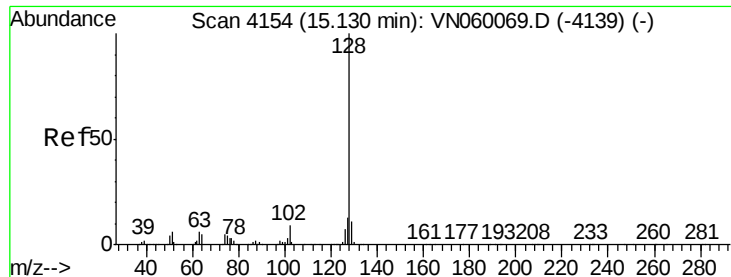
MMDadoda
 2/21/2020 11:48:22 AM



#94
 Hexachlorobutadiene
 Concen: 18.157 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060146.D
 Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27250		
223	64.2	31.5	94.5	
227	64.0	31.8	95.4	





#95

Naphthalene

Concen: 17.637 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Instrument :

MSVOA_N

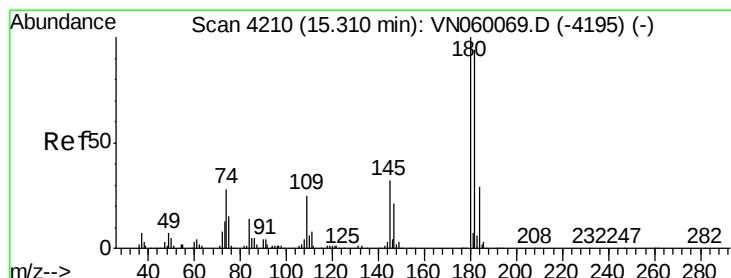
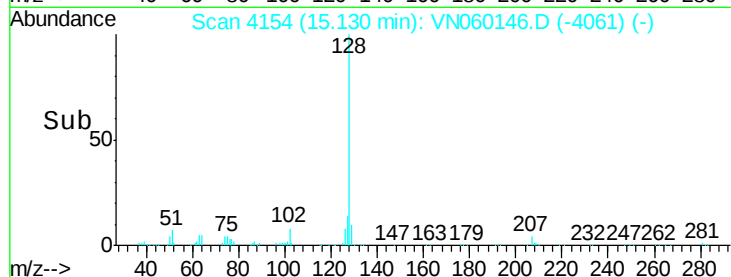
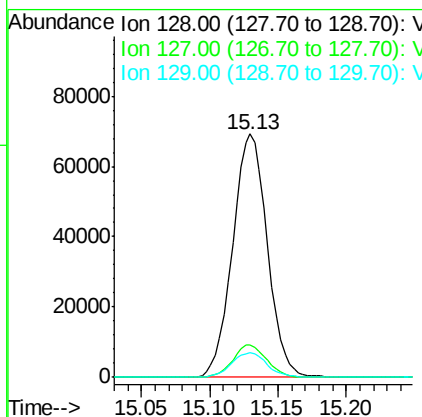
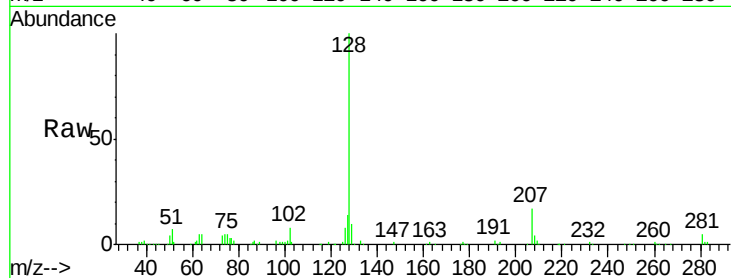
ClientSampleId :

VN0219WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	122136		
127	13.0	10.3	15.5	
129	10.4	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
2/21/2020 11:48:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.452 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN060146.D

Acq: 19 Feb 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47107		
182	94.5	47.5	142.5	
145	33.2	16.1	48.3	

