

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060516.D
 Acq On : 16 Mar 2020 12:24
 Operator : JC/MD
 Sample : VN0316WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 11:48:14 AM

Quant Time: Mar 17 09:10:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	206544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	339150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	128985	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
35) Dibromofluoromethane	7.56	113	98449	62.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.08%	
50) Toluene-d8	10.08	98	379099	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	12.40	95	140634	46.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	28643	15.125	ug/l	97
3) Chloromethane	2.03	50	51451	15.606	ug/l	99
4) Vinyl Chloride	2.16	62	42530	15.041	ug/l	97
5) Bromomethane	2.54	94	19846	15.793	ug/l	99
6) Chloroethane	2.68	64	26063	17.013	ug/l	92
7) Trichlorofluoromethane	3.00	101	60465	16.737	ug/l	98
8) Diethyl Ether	3.38	74	25066	18.377	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37180	18.185	ug/l	99
10) Methyl Iodide	3.93	142	27852	14.927	ug/l	98
11) Tert butyl alcohol	4.72	59	38111	96.854	ug/l #	87
12) 1,1-Dichloroethene	3.71	96	35592	17.887	ug/l	99
13) Acrolein	3.58	56	30614	83.396	ug/l	99
14) Allyl chloride	4.29	41	63798	17.437	ug/l	95
15) Acrylonitrile	4.94	53	105197	101.428	ug/l	99
16) Acetone	3.78	43	96218	112.435	ug/l	99
17) Carbon Disulfide	4.03	76	83419	15.353	ug/l	99
18) Methyl Acetate	4.28	43	55998	19.608	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	138042	19.161	ug/l	98
20) Methylene Chloride	4.52	84	43048	18.317	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	38379	17.727	ug/l	97
22) Diisopropyl ether	5.91	45	150864	20.357	ug/l	95
23) Vinyl Acetate	5.85	43	581257	98.703	ug/l	98
24) 1,1-Dichloroethane	5.81	63	80446	19.176	ug/l	100
25) 2-Butanone	6.80	43	144221	104.337	ug/l	99
26) 2,2-Dichloropropane	6.79	77	71253	18.657	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	47325	17.366	ug/l	97
28) Bromochloromethane	7.17	49	32498	18.868	ug/l	94
29) Tetrahydrofuran	7.18	42	94243	98.048	ug/l	98
30) Chloroform	7.34	83	80066	19.172	ug/l	99
31) Cyclohexane	7.63	56	68166	18.188	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	67235	18.171	ug/l	99
36) 1,1-Dichloropropene	7.77	75	57025	17.642	ug/l	99
37) Ethyl Acetate	6.89	43	61444	20.076	ug/l	98
38) Carbon Tetrachloride	7.75	117	52432	16.661	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	62976	16.525	ug/l	97
40) Benzene	8.02	78	172825	18.371	ug/l	100
41) Methacrylonitrile	7.14	41	25500	18.045	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	62760	18.487	ug/l	99
43) Isopropyl Acetate	8.14	43	105438	19.679	ug/l	99
44) Trichloroethene	8.81	130	45518	17.373	ug/l	99
45) 1,2-Dichloropropane	9.10	63	49256	20.025	ug/l	100
46) Dibromomethane	9.19	93	28737	18.006	ug/l	99
47) Bromodichloromethane	9.38	83	61436	18.927	ug/l	98
48) Methyl methacrylate	9.18	41	44489	18.208	ug/l	96
49) 1,4-Dioxane	9.17	88	13781	401.079	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	303338	99.851	ug/l	99
52) Toluene	10.14	92	105742	17.893	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	71297	17.925	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	76884	18.655	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	44659	18.792	ug/l	99
56) Ethyl methacrylate	10.42	69	63883	18.711	ug/l	98
57) 1,3-Dichloropropane	10.70	76	75344	19.441	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	159789	89.485	ug/l	99
59) 2-Hexanone	10.74	43	218197	97.824	ug/l	100
60) Dibromochloromethane	10.89	129	45316	18.750	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41888	18.081	ug/l	99
64) Tetrachloroethene	10.62	164	44479	17.580	ug/l	99
65) Chlorobenzene	11.43	112	111257	18.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42694	18.724	ug/l	100
67) Ethyl Benzene	11.50	91	204855	18.241	ug/l	100
68) m/p-Xylenes	11.61	106	151464	35.746	ug/l	98
69) o-Xylene	11.94	106	74527	18.445	ug/l	99
70) Styrene	11.96	104	116786	17.580	ug/l	100
71) Bromoform	12.12	173	30937	18.825	ug/l #	100
73) Isopropylbenzene	12.24	105	199992	19.012	ug/l	100
74) N-amyl acetate	12.06	43	87970	19.138	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	59427	20.784	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	55901m	17.953	ug/l	
77) Bromobenzene	12.52	156	47321	18.352	ug/l	96
78) n-propylbenzene	12.59	91	231634	18.786	ug/l	99
79) 2-Chlorotoluene	12.67	91	138317	19.084	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	166784	18.832	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	22204	19.685	ug/l #	85
82) 4-Chlorotoluene	12.77	91	141284	18.502	ug/l	97
83) tert-Butylbenzene	12.99	119	141387	18.439	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	165514	18.515	ug/l	100
85) sec-Butylbenzene	13.17	105	189161	18.422	ug/l	100
86) p-Isopropyltoluene	13.28	119	169019	17.784	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84435	18.939	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	83831	18.814	ug/l	99
89) n-Butylbenzene	13.61	91	152333	17.461	ug/l	99
90) Hexachloroethane	13.87	117	24079	17.504	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	82223	18.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12021	18.565	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	50242	17.558	ug/l	99
94) Hexachlorobutadiene	15.01	225	25507	18.973	ug/l	97
95) Naphthalene	15.13	128	140272	16.406	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	46830	17.201	ug/l	98

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

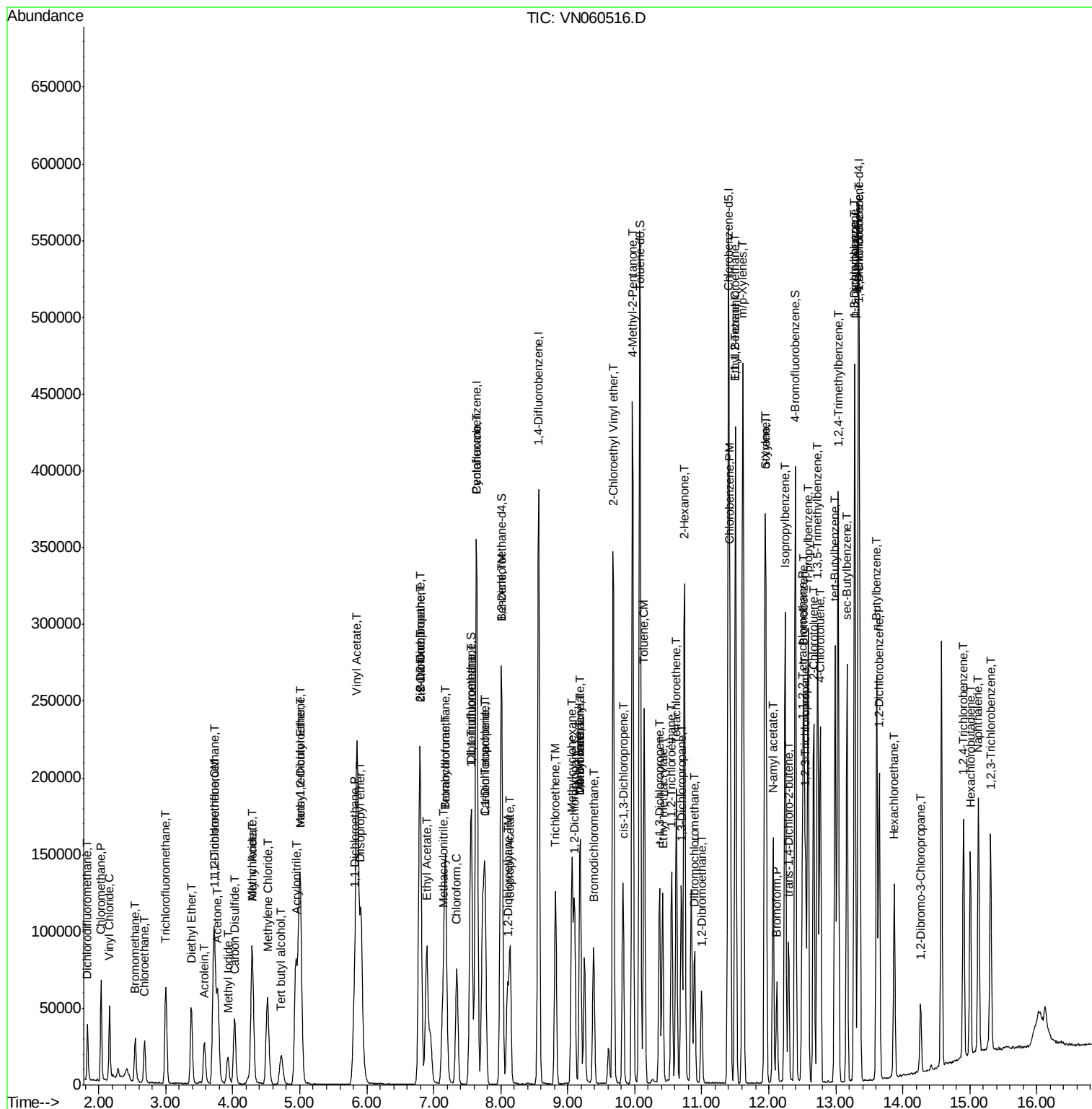
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion:168 Resp: 206544

Ion Ratio Lower Upper

168 100

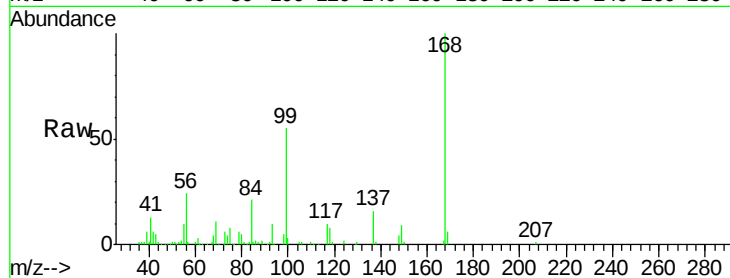
99 55.3 44.7 67.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

40000

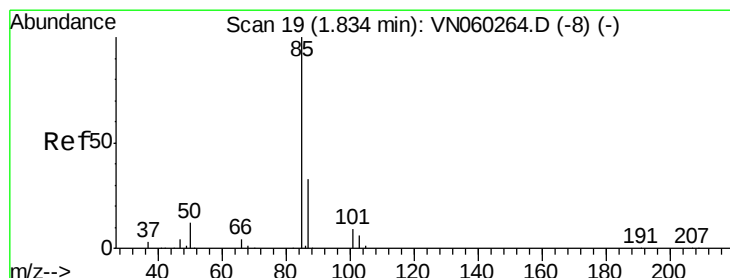
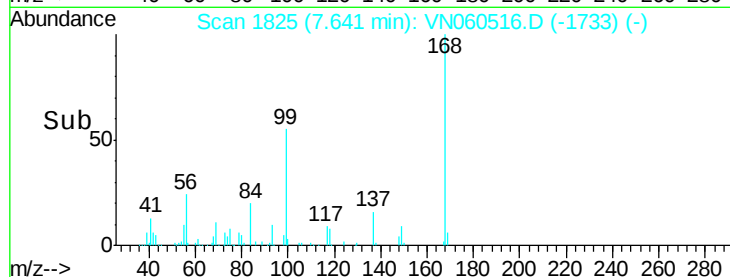
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.125 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060516.D

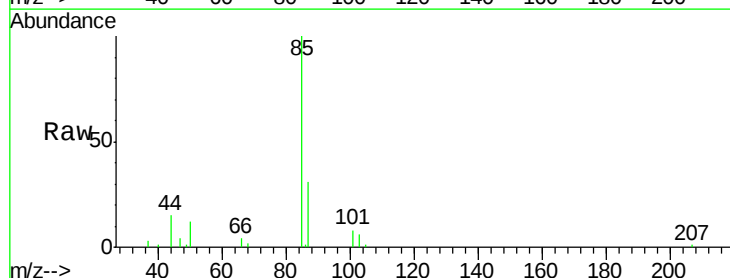
Acq: 16 Mar 2020 12:24

Tgt Ion: 85 Resp: 28643

Ion Ratio Lower Upper

85 100

87 30.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

25000

20000

15000

10000

5000

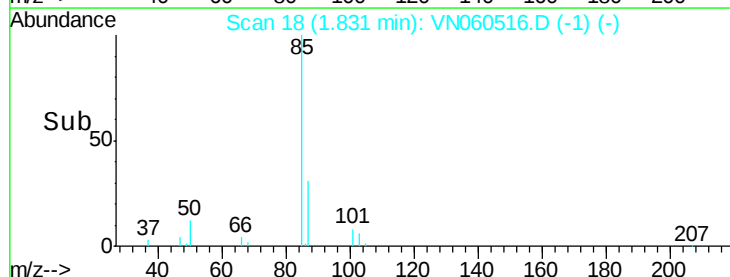
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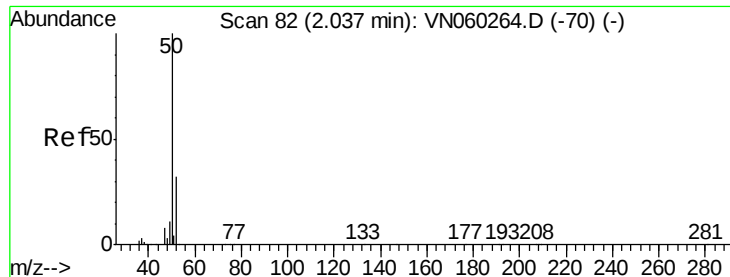
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.606 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 50 Resp: 51451

Ion Ratio Lower Upper

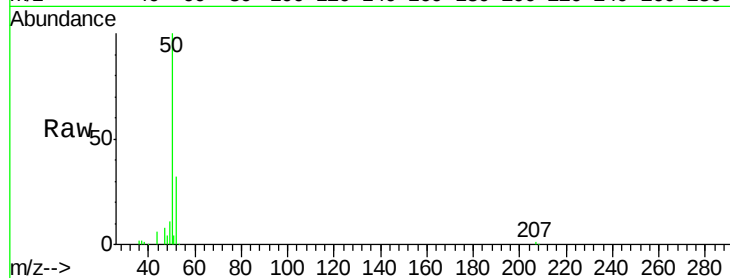
50 100

52 31.6 25.6 38.4

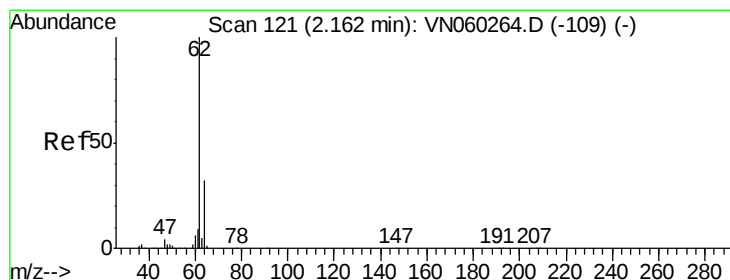
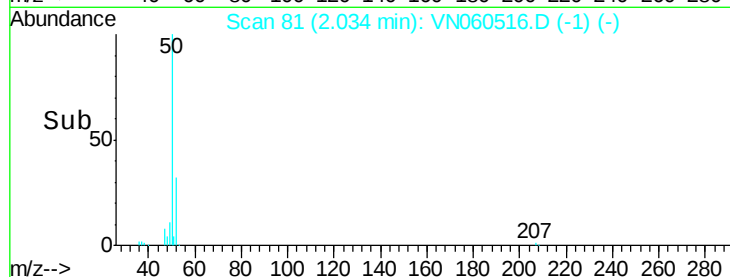
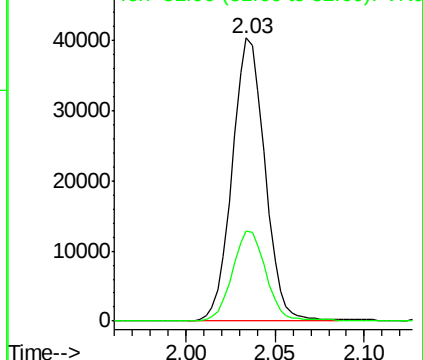
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Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 15.041 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060516.D

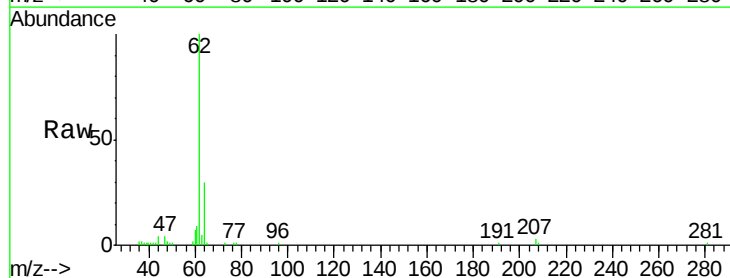
Acq: 16 Mar 2020 12:24

Tgt Ion: 62 Resp: 42530

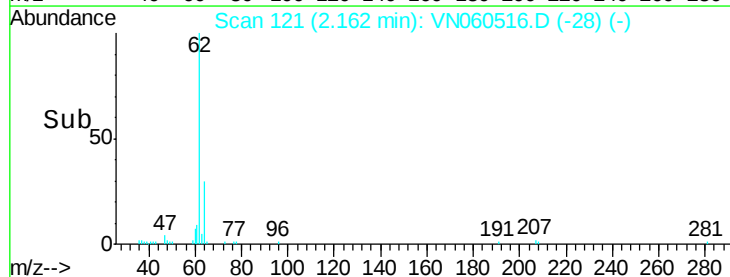
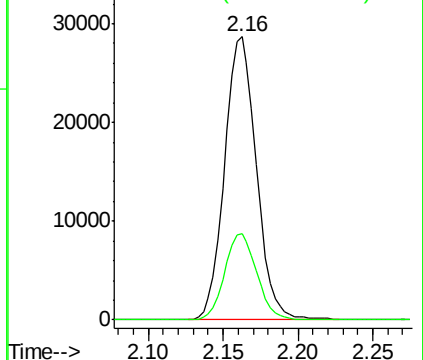
Ion Ratio Lower Upper

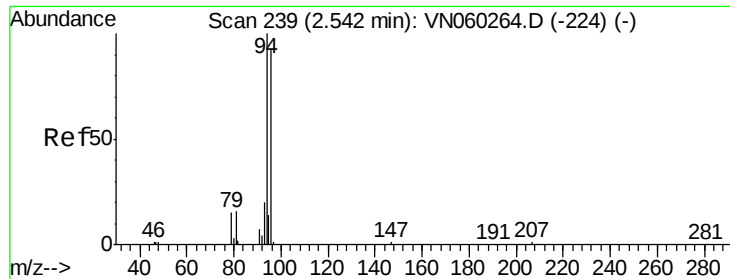
62 100

64 30.4 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 15.793 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion: 94 Resp: 19846

Ion Ratio Lower Upper

94 100

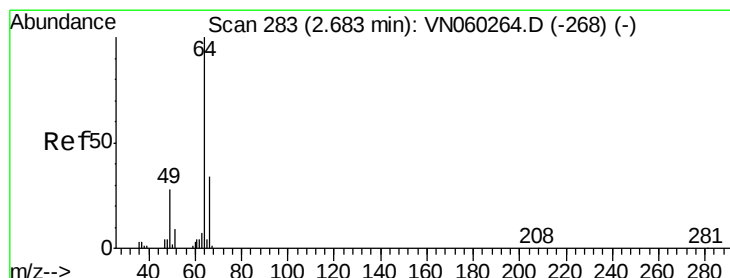
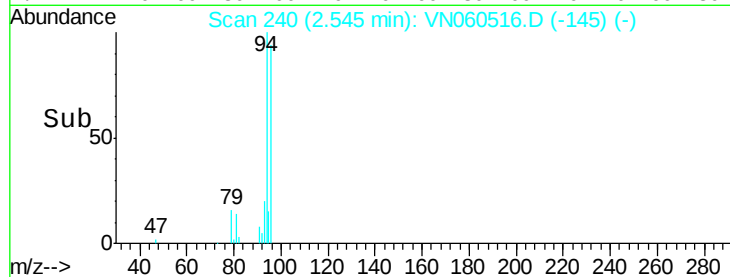
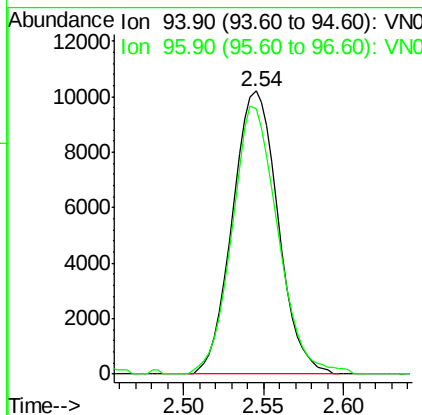
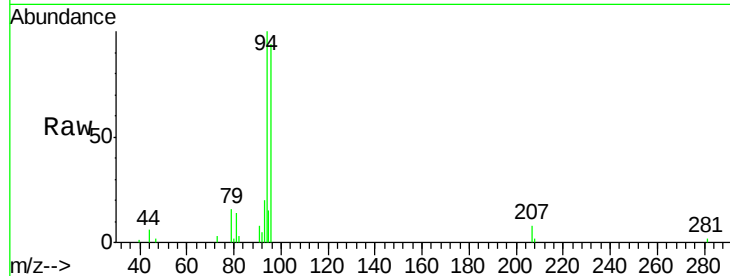
96 93.7 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 17.013 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060516.D

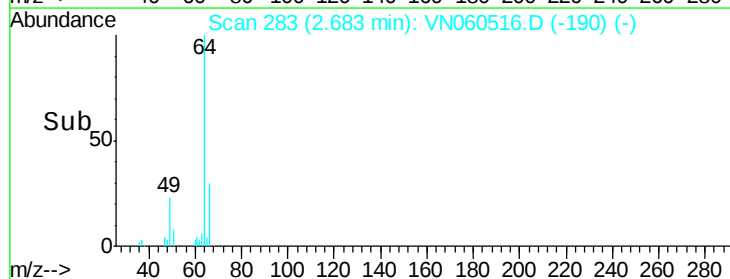
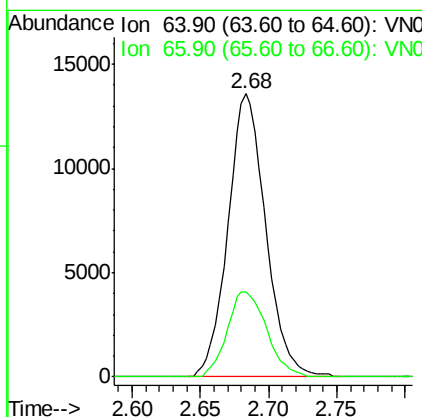
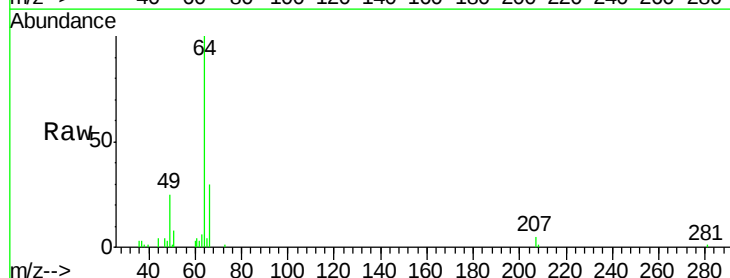
Acq: 16 Mar 2020 12:24

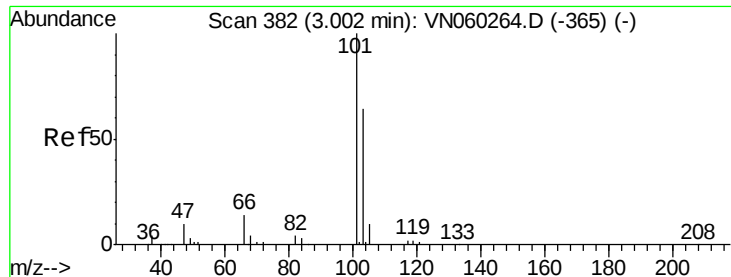
Tgt Ion: 64 Resp: 26063

Ion Ratio Lower Upper

64 100

66 29.9 27.4 41.2





#7

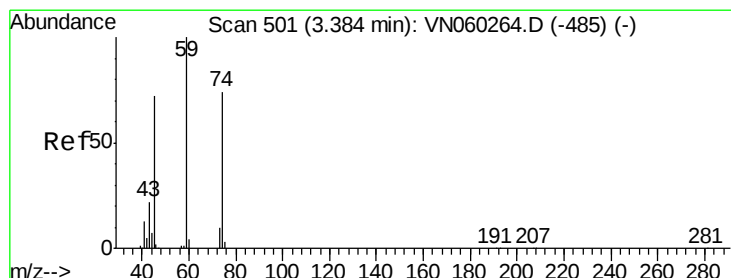
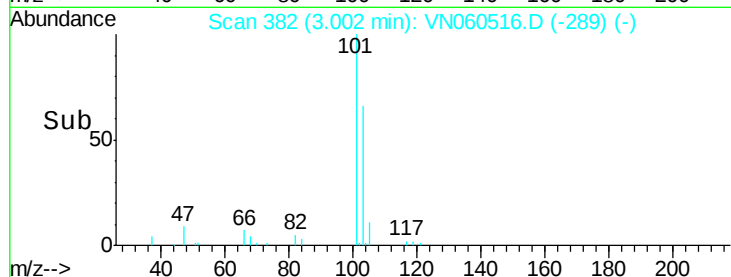
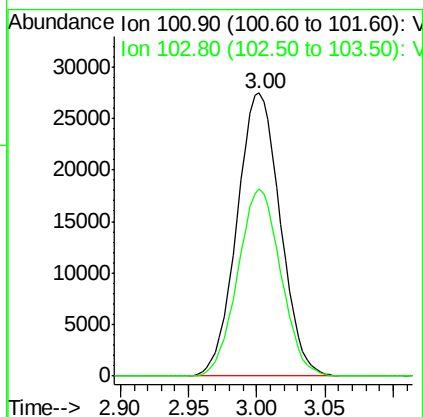
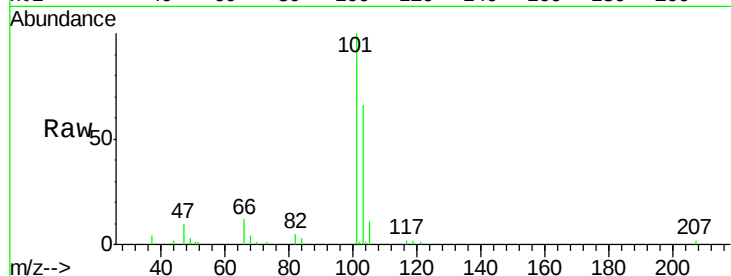
Trichlorofluoromethane
 Concen: 16.737 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
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 ClientSampleId :
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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	66.0	51.3	76.9	

Manual Integrations
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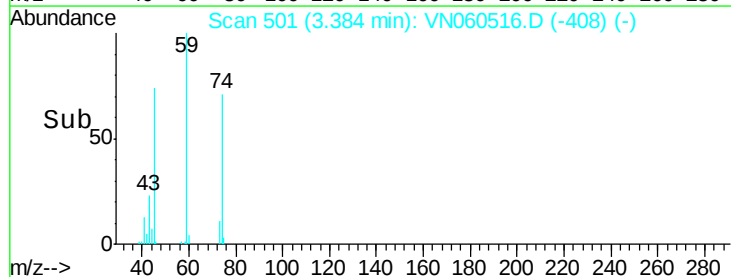
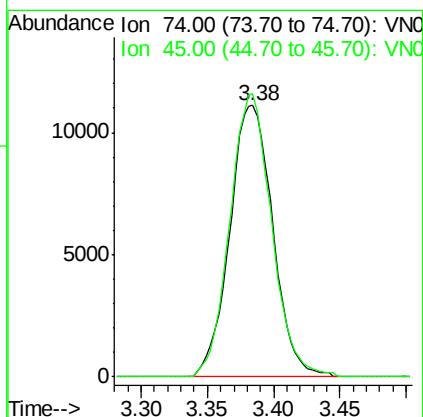
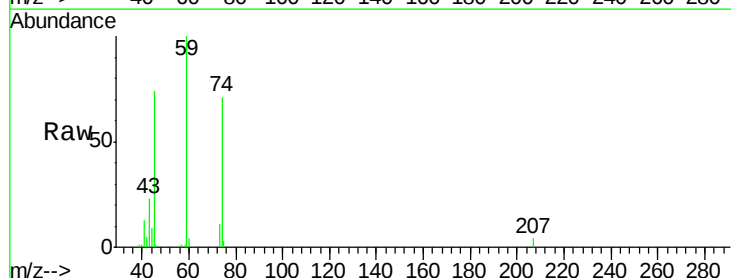
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 3/17/2020 11:48:14 AM



#8

Diethyl Ether
 Concen: 18.377 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	101.3	49.5	148.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.185 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

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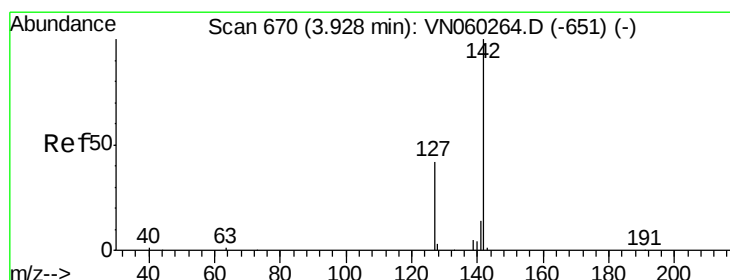
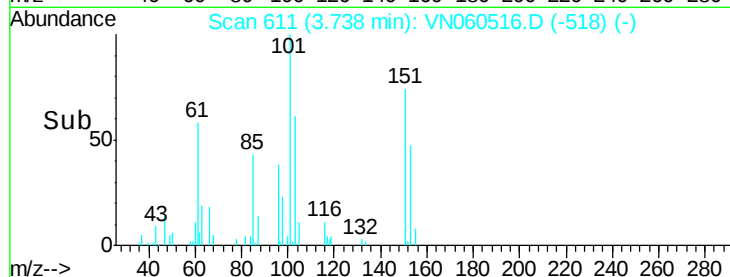
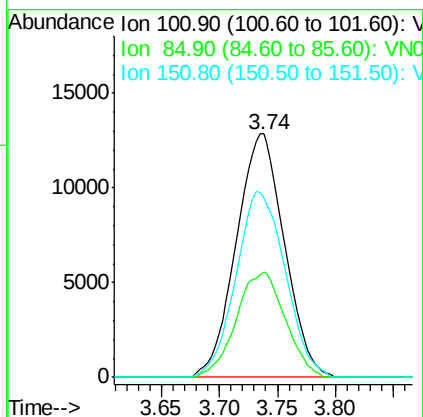
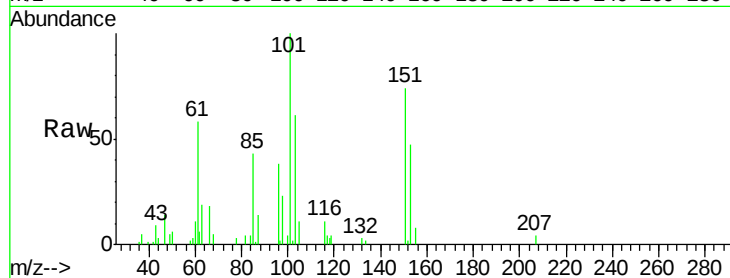
ClientSampleId :

VN0316WBS01

Tot Ion:	101	Resp:	37180
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.4	53.2
151	78.2	62.0	93.0

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#10

Methyl Iodide

Concen: 14.927 ug/l

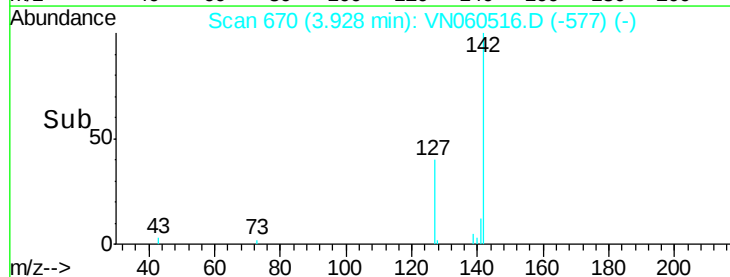
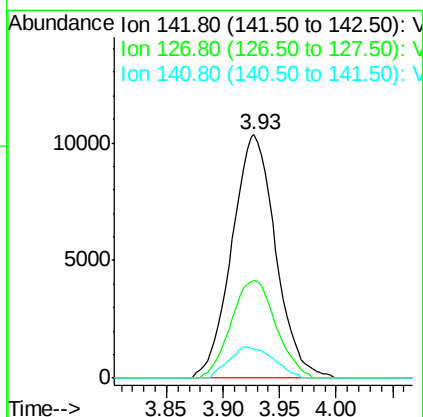
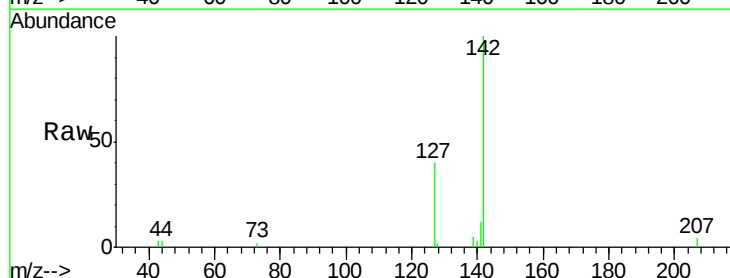
RT: 3.93 min Scan# 670

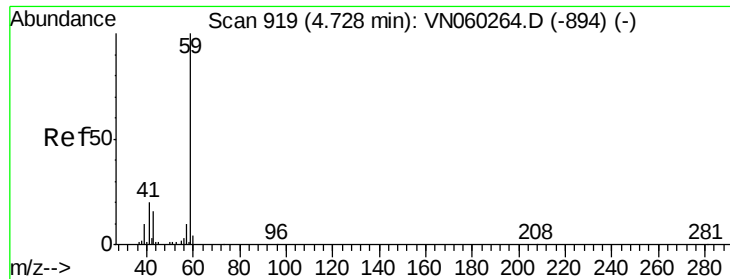
Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	142	Resp:	27852
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.8	50.6
141	12.9	11.1	16.7





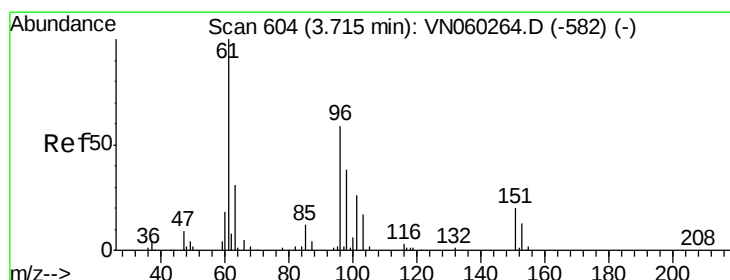
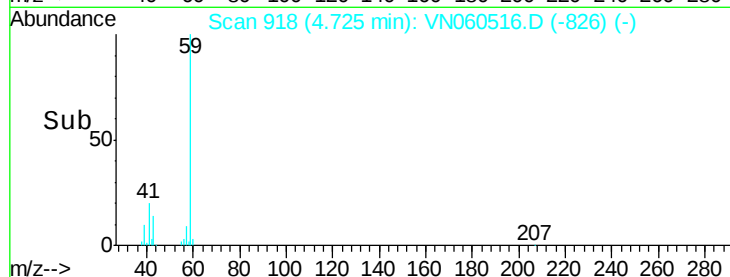
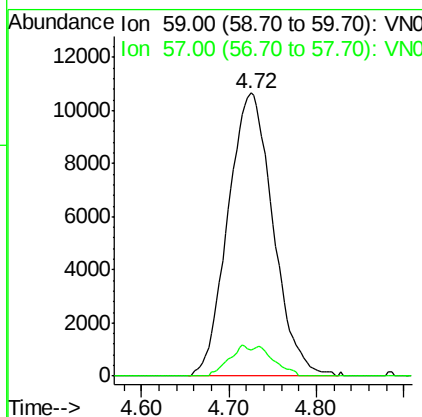
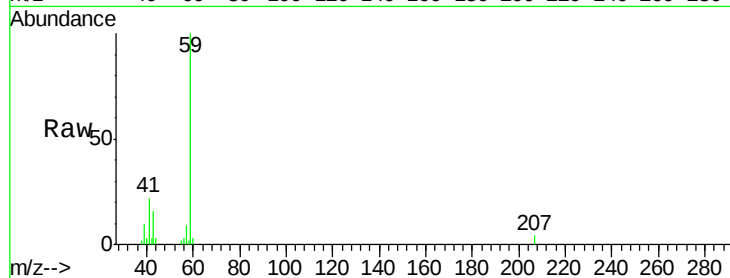
#11
Tert butyl alcohol
Concen: 96.854 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.2	8.2	12.2#

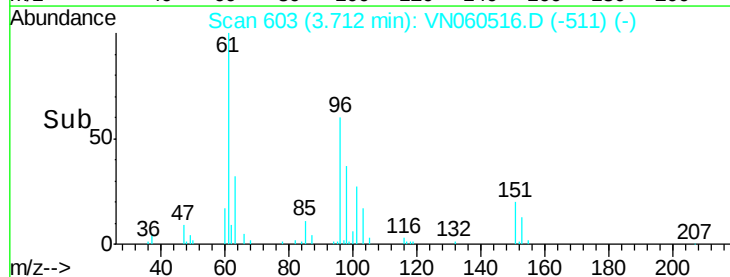
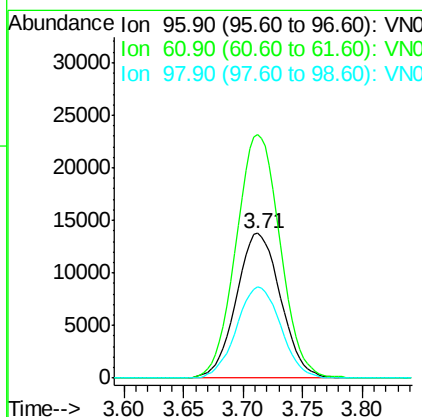
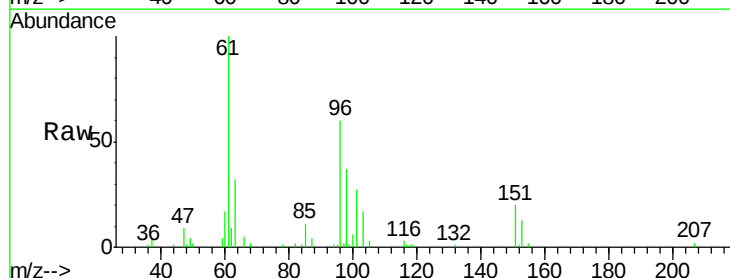
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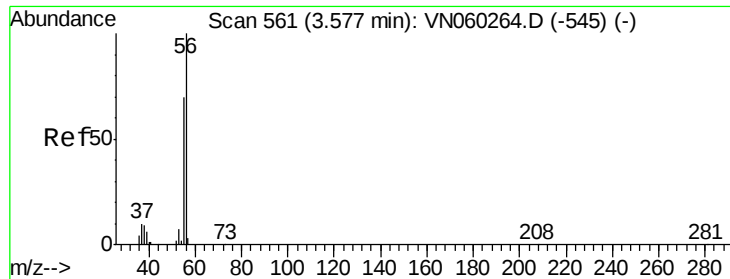
MMDadoda
3/17/2020 11:48:14 AM



#12
1,1-Dichloroethene
Concen: 17.887 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	135.4	203.0
98	62.9	51.6	77.4





#13

Acrolein

Concen: 83.396 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion: 56 Resp: 30614

Ion Ratio Lower Upper

56 100

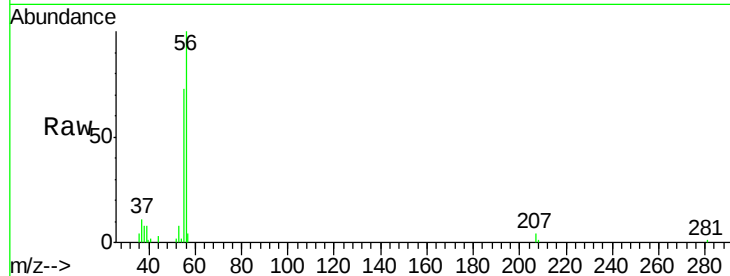
55 72.8 57.4 86.0

Manual Integrations

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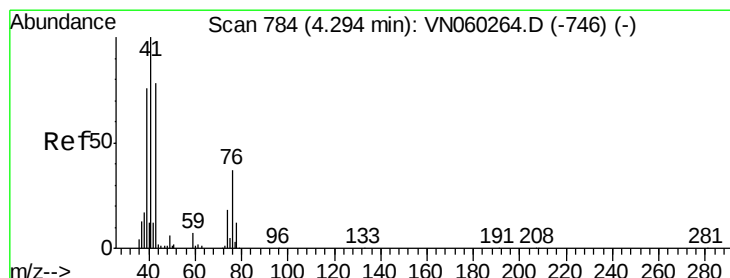
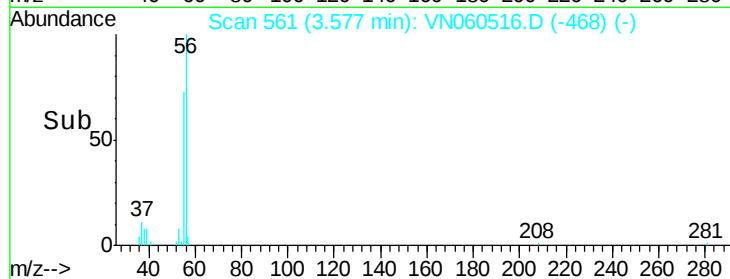
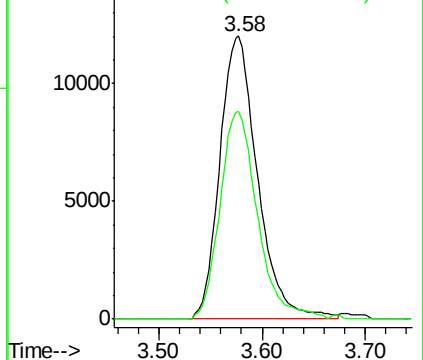
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 17.437 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

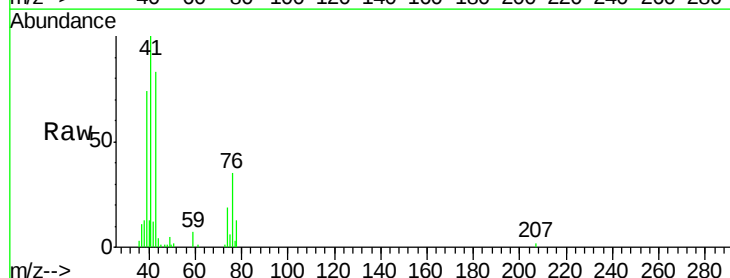
Tgt Ion: 41 Resp: 63798

Ion Ratio Lower Upper

41 100

39 73.8 55.4 83.2

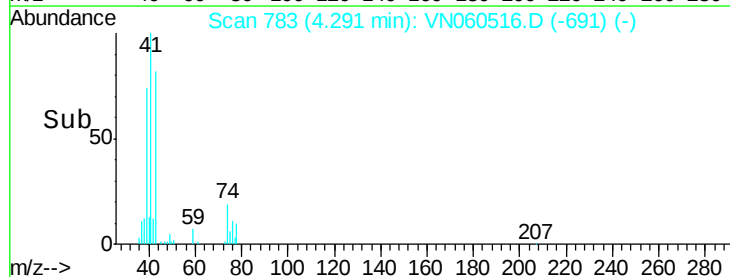
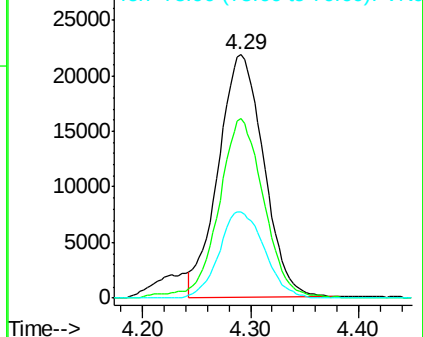
76 35.6 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 101.428 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

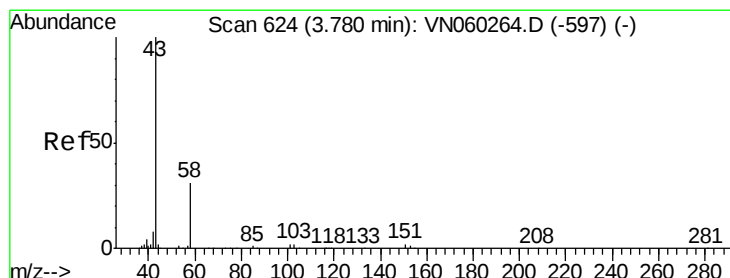
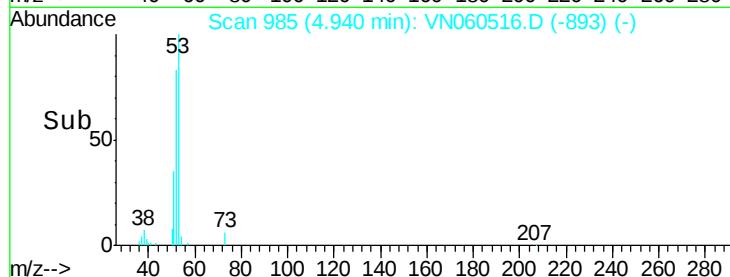
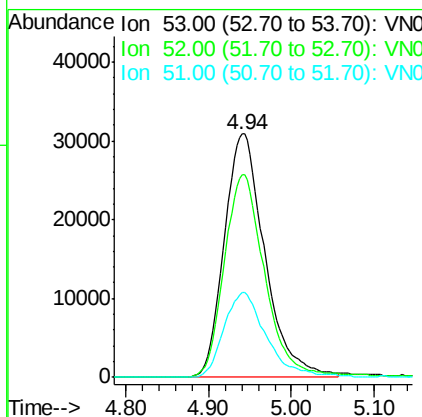
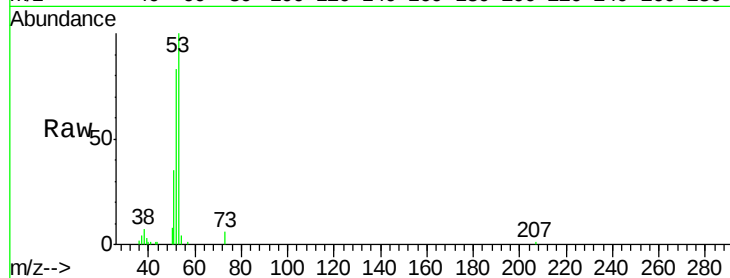
ClientSampleId :

VN0316WBS01

Tot Ion:	53	Resp:	105197
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.8	100.2
51	36.5	29.0	43.6

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#16

Acetone

Concen: 112.435 ug/l

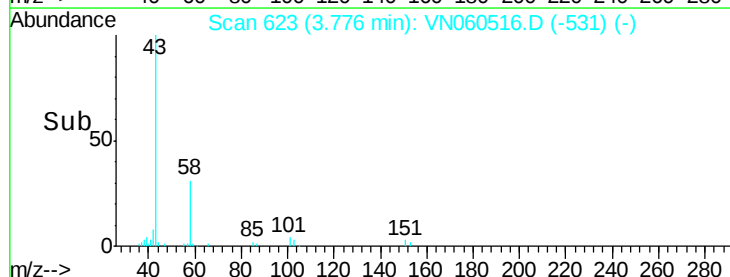
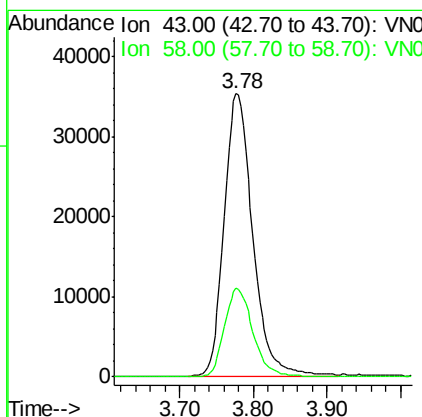
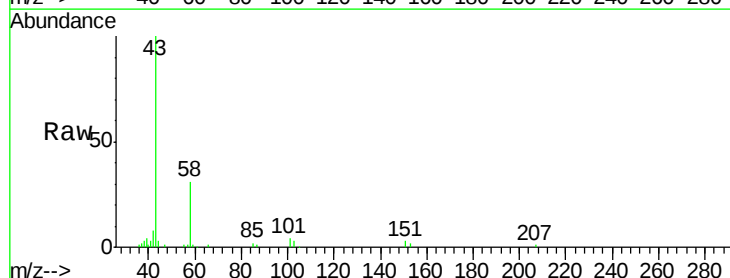
RT: 3.78 min Scan# 623

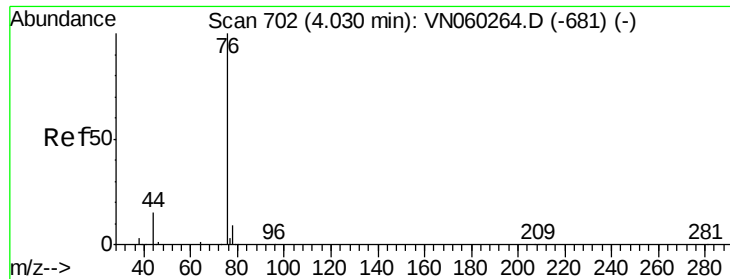
Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	43	Resp:	96218
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.6	36.8





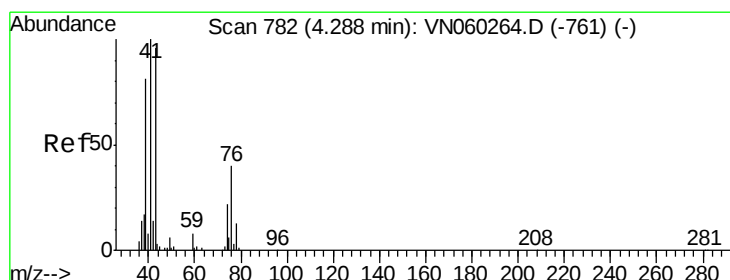
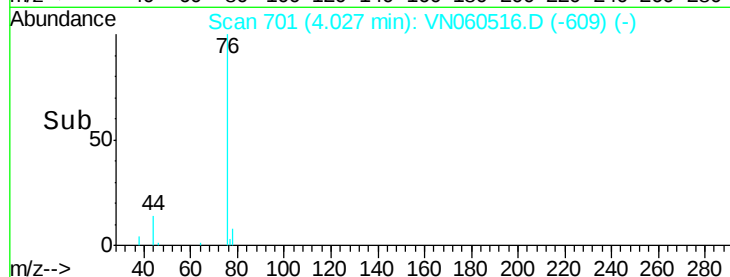
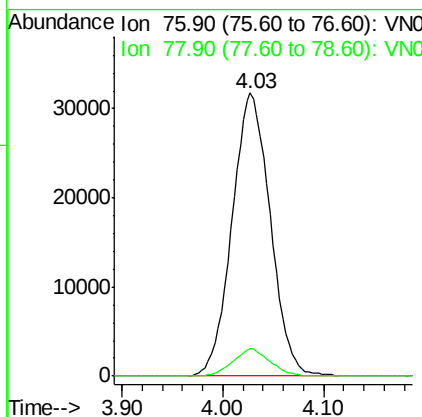
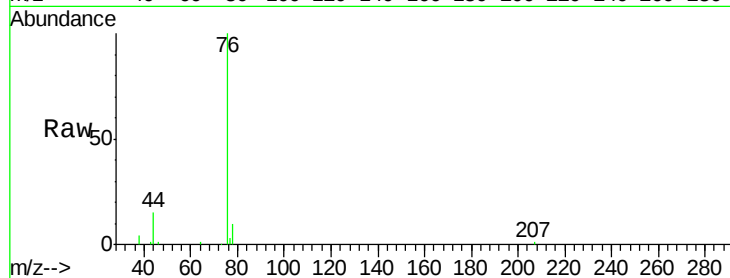
#17
Carbon Disulfide
Concen: 15.353 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

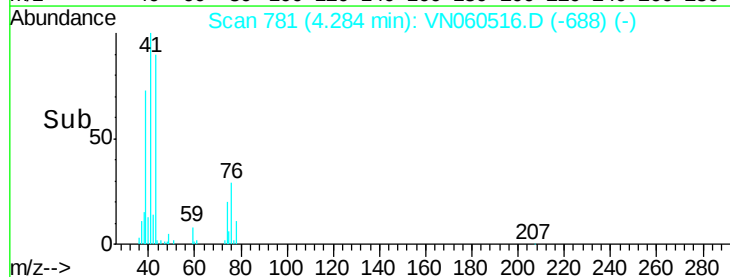
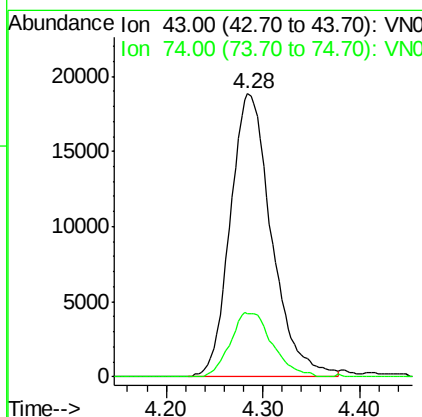
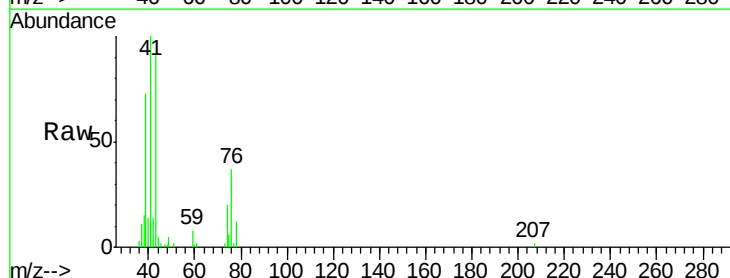
Manual Integrations
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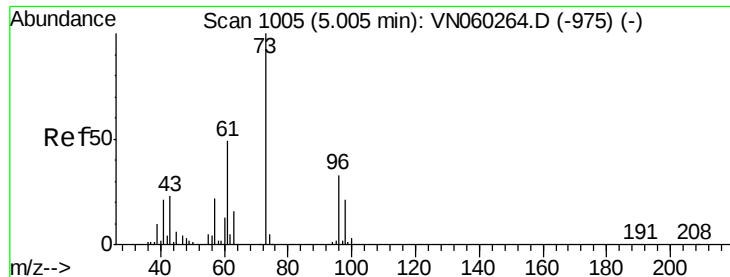
MMDadoda
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#18
Methyl Acetate
Concen: 19.608 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.0	18.8	28.2





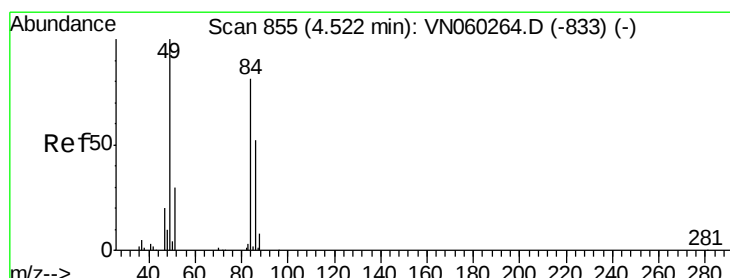
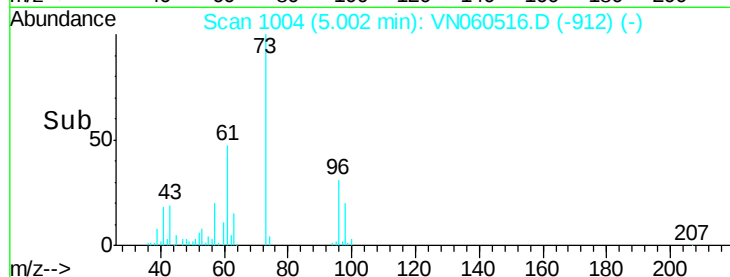
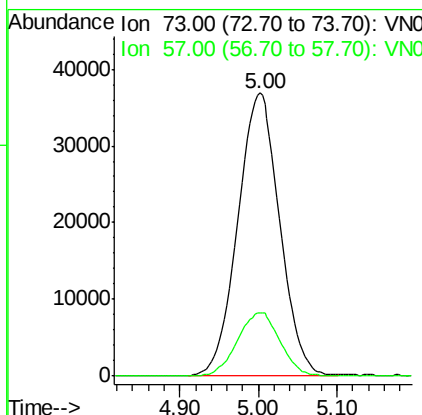
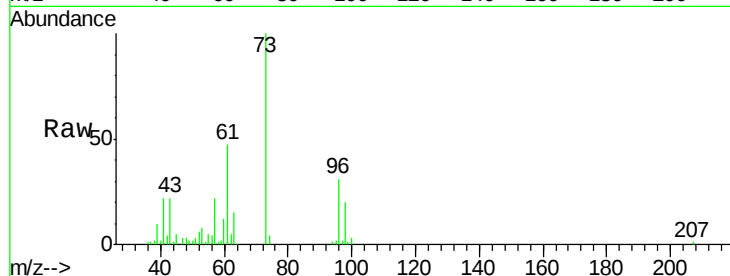
#19
Methvl tert-butvl Ether
Concen: 19.161 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion: 73 Resp: 138042
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

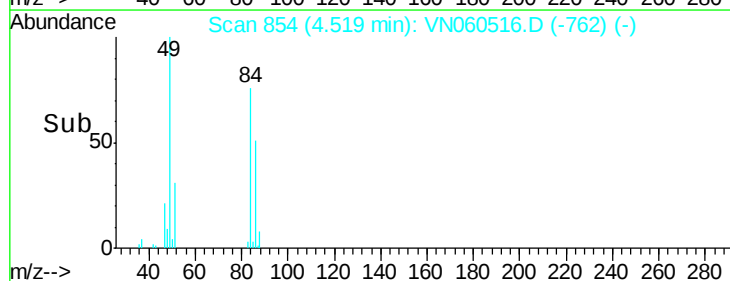
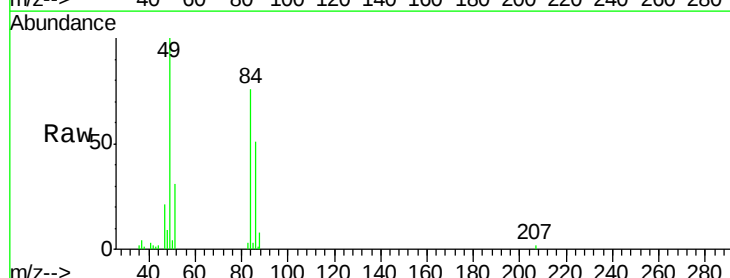
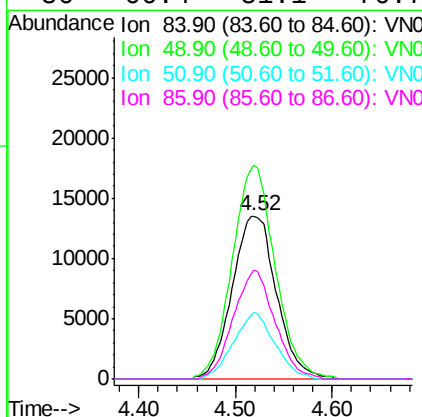
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#20
Methylene Chloride
Concen: 18.317 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 84 Resp: 43048
Ion Ratio Lower Upper
84 100
49 130.9 99.3 148.9
51 40.7 30.1 45.1
86 66.4 51.1 76.7





#21

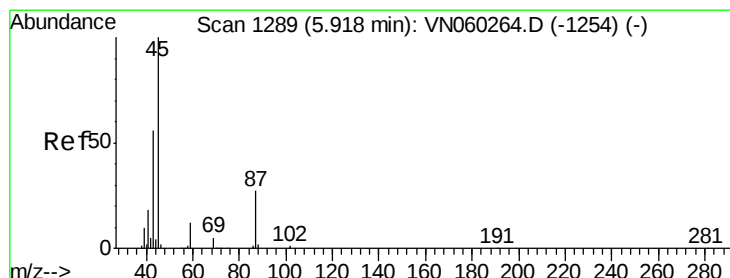
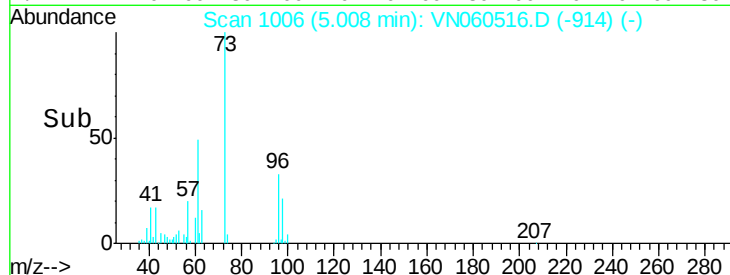
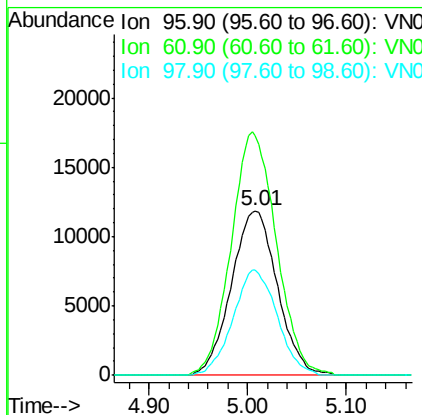
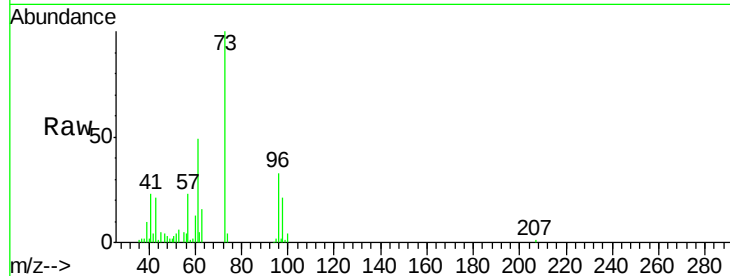
trans-1,2-Dichloroethene
Concen: 17.727 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	113.8	170.8
98	63.9	48.8	73.2

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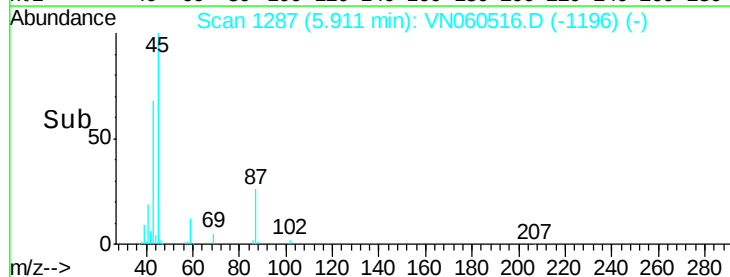
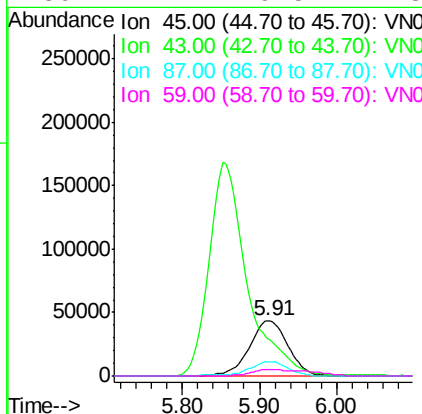
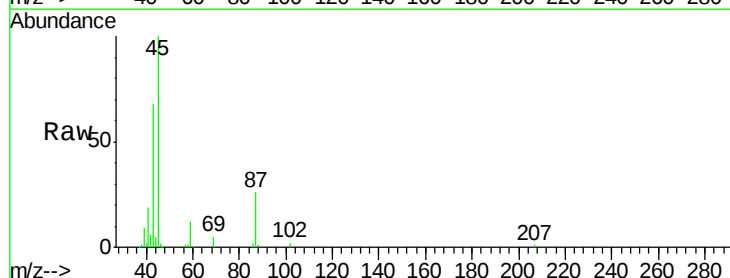
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#22

Diisopropyl ether
Concen: 20.357 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.5	48.6	72.8
87	25.8	22.2	33.2
59	11.1	9.5	14.3





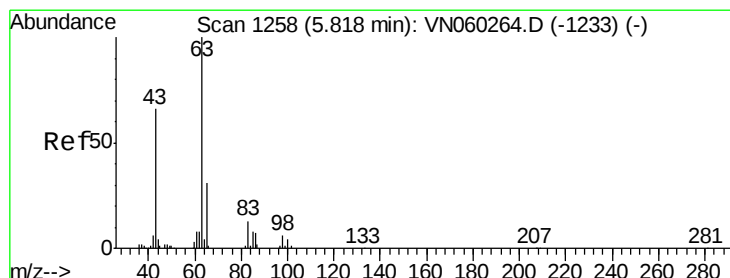
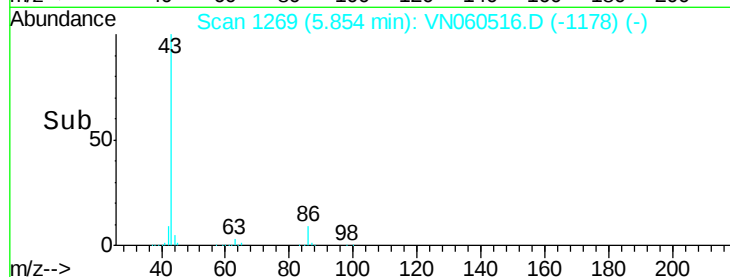
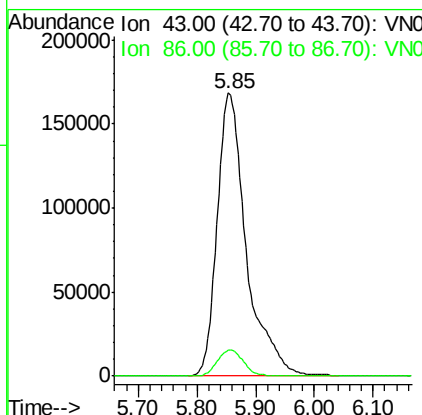
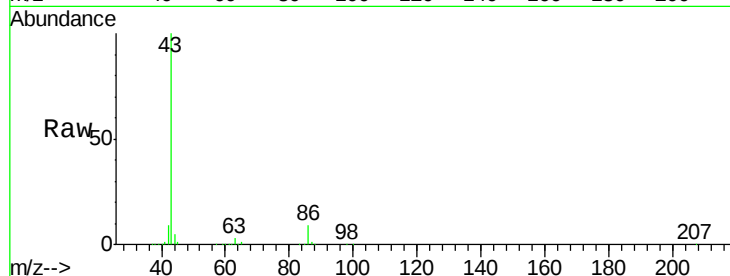
#23
 Vinyl Acetate
 Concen: 98.703 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.4	8.0	12.0

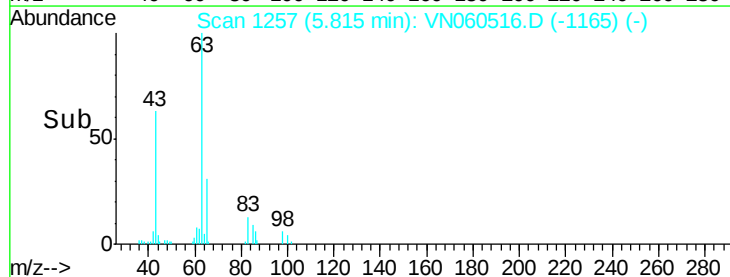
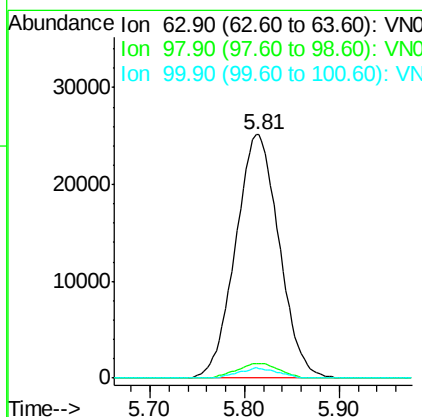
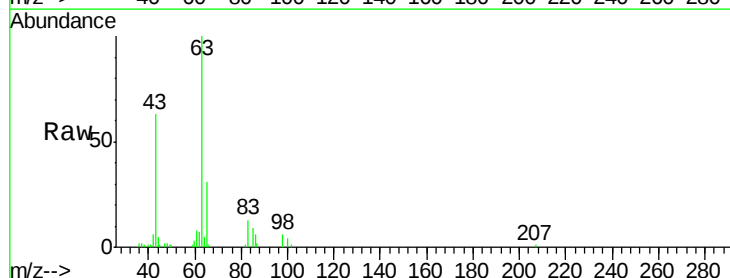
Manual Integrations
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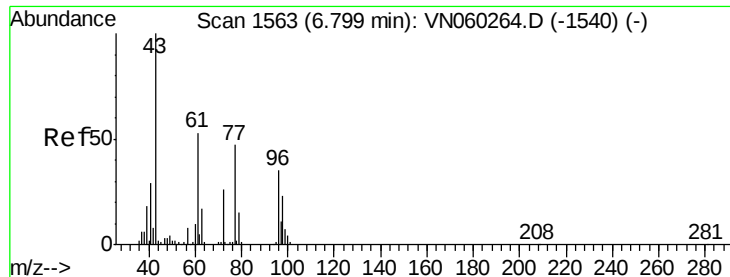
MMDadoda
 3/17/2020 11:48:14 AM



#24
 1,1-Dichloroethane
 Concen: 19.176 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.0	9.0
100	4.1	2.0	6.0





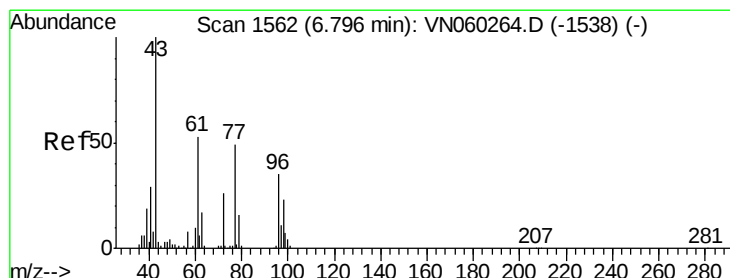
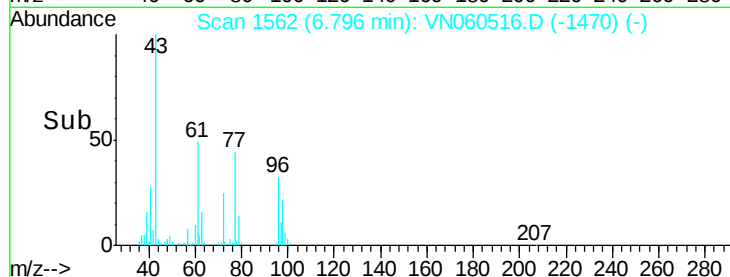
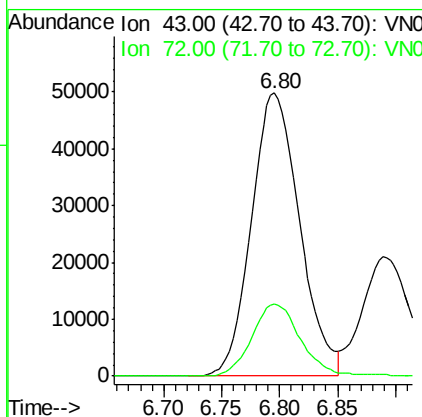
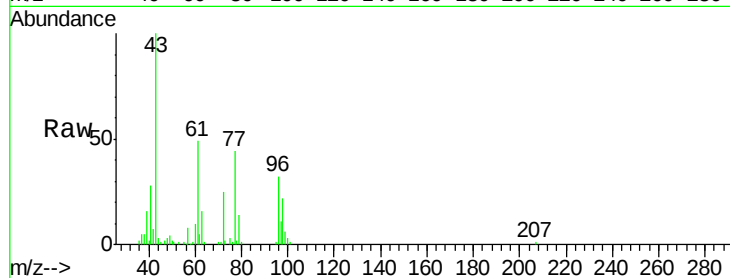
#25
2-Butanone
Concen: 104.337 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.9	31.3

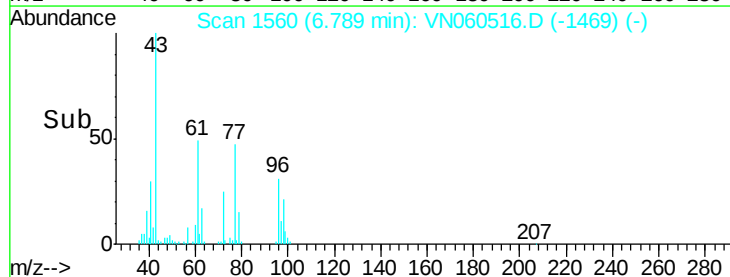
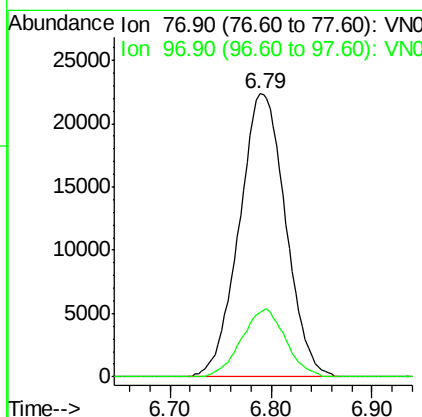
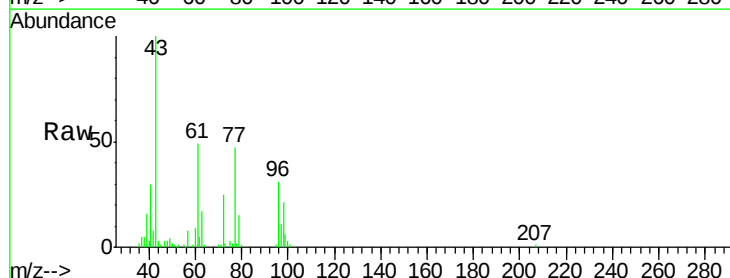
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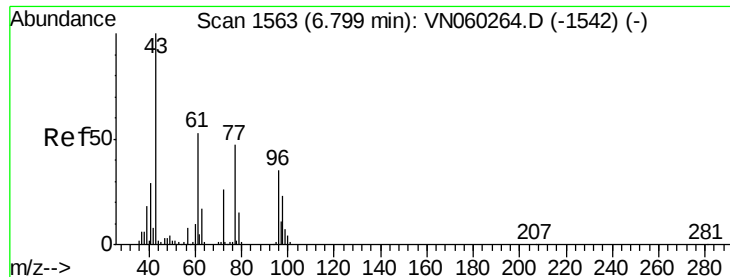
MMDadoda
3/17/2020 11:48:14 AM



#26
2,2-Dichloropropane
Concen: 18.657 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
77	100		
97	22.8	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 17.366 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

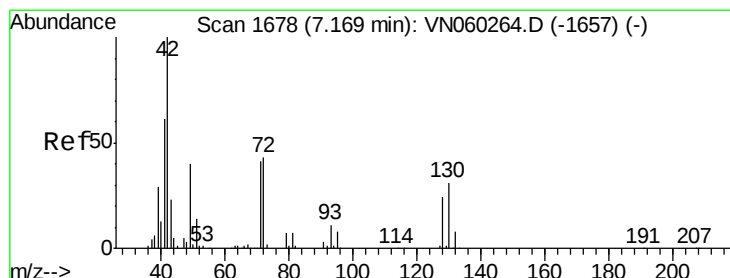
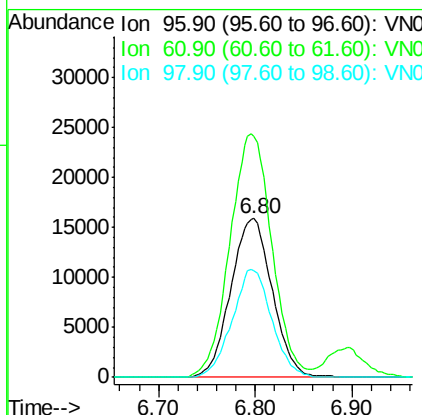
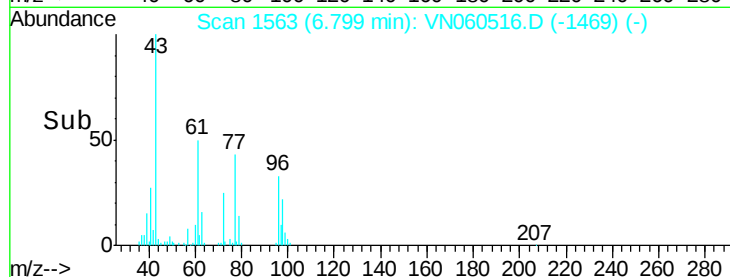
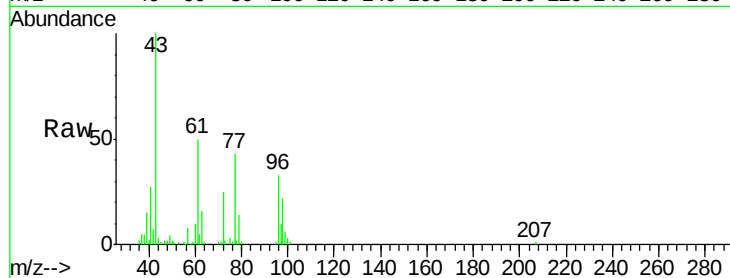
ClientSampleId :

VN0316WBS01

Tot Ion:	96	Resp:	47325
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	300.8
98	64.7	0.0	128.2

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#28

Bromochloromethane

Concen: 18.868 ug/l

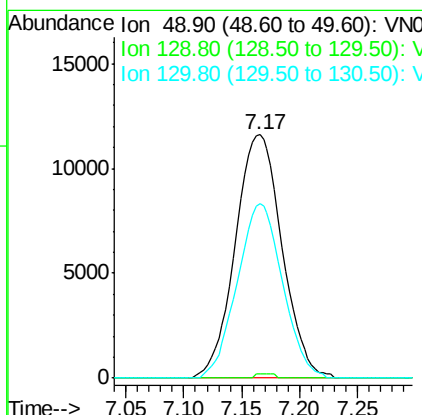
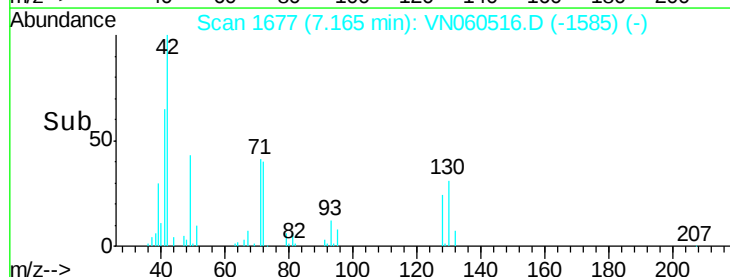
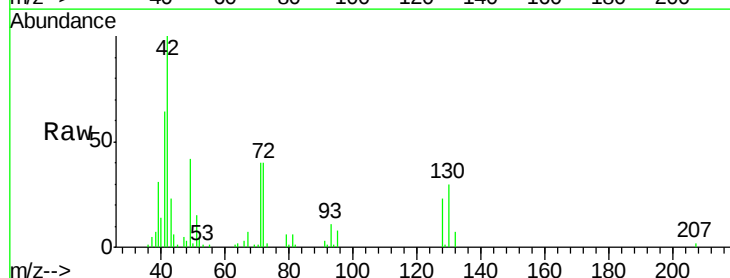
RT: 7.17 min Scan# 1677

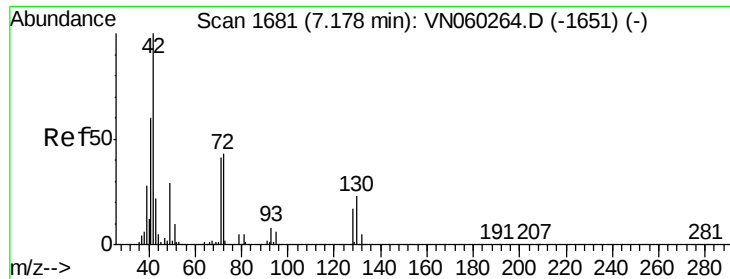
Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	49	Resp:	32498
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.8
130	69.5	59.8	89.8





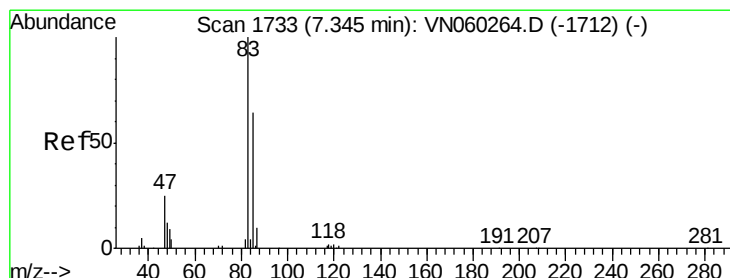
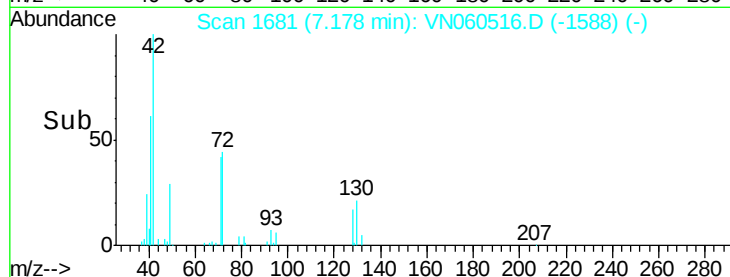
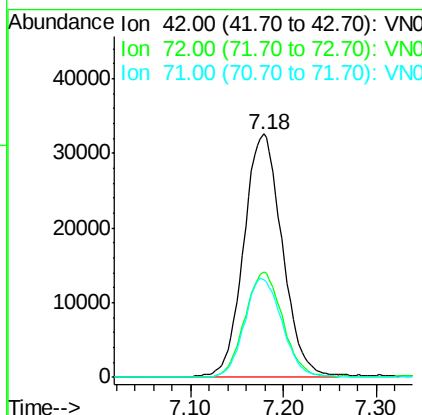
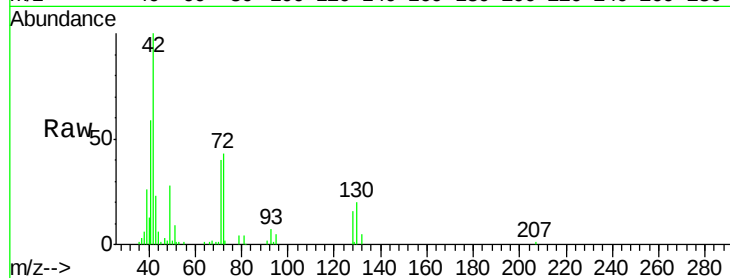
#29
Tetrahydrofuran
Concen: 98.048 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.6	32.9	49.3

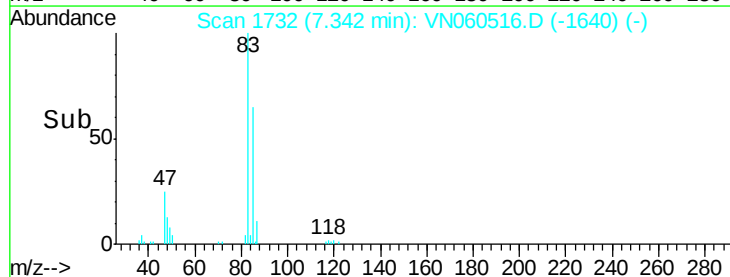
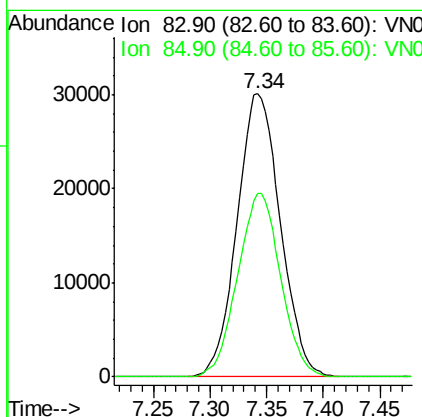
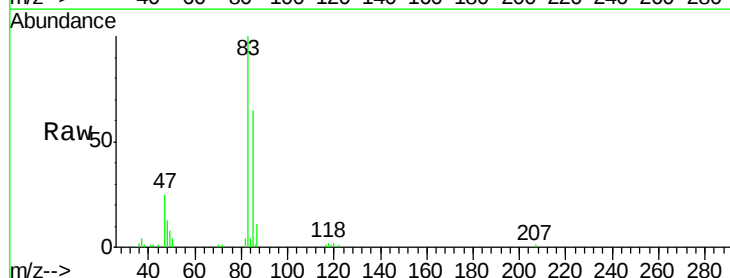
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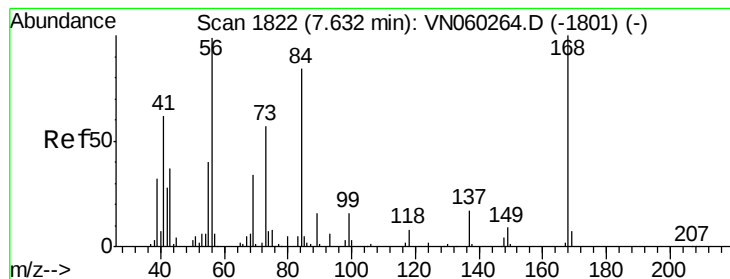
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#30
Chloroform
Concen: 19.172 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.4	77.2





#31

Cyclohexane

Concen: 18.188 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

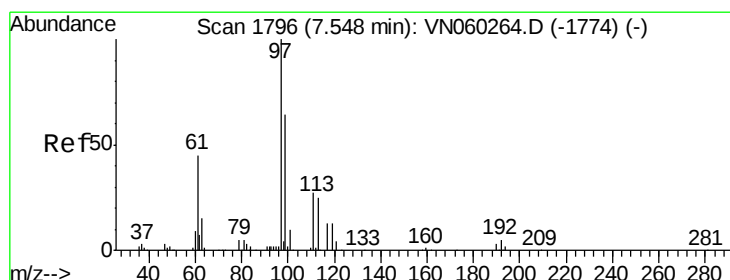
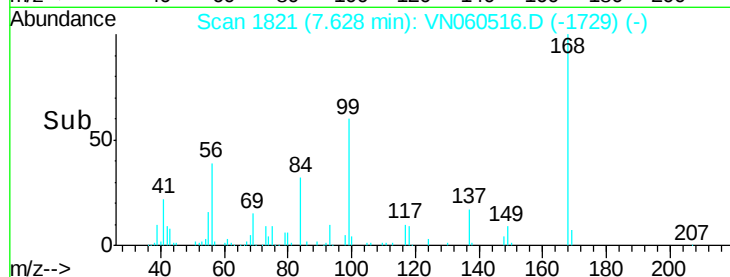
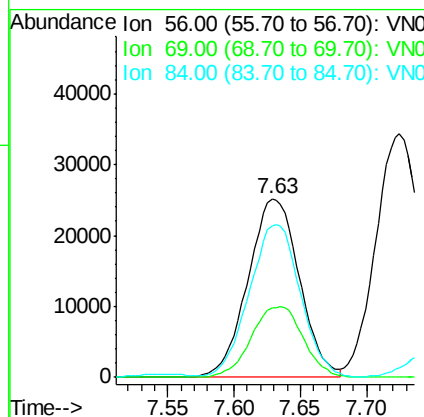
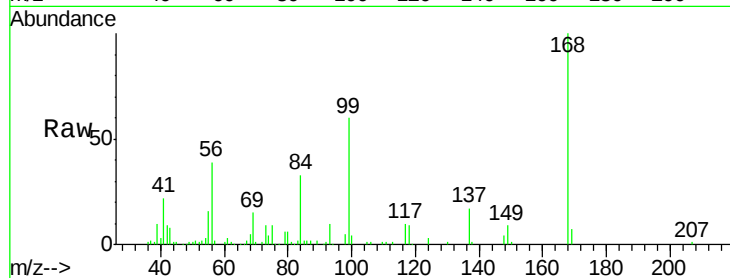
ClientSampleId :

VN0316WBS01

Tot Ion:	56	Resp:	68166
Ion	Ratio	Lower	Upper
56	100		
69	38.8	27.2	40.8
84	83.5	66.7	100.1

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#32

1,1,1-Trichloroethane

Concen: 18.171 ug/l

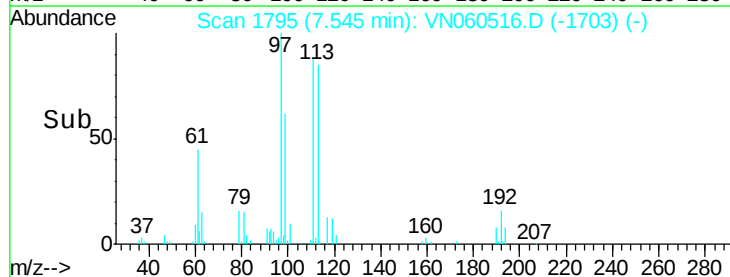
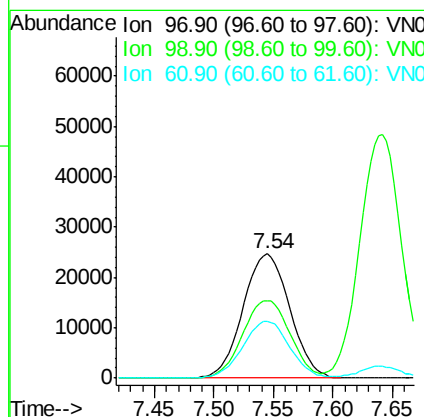
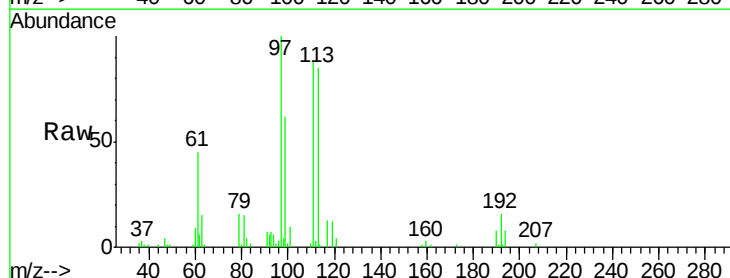
RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	97	Resp:	67235
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.0
61	45.8	36.6	55.0





#33

1,2-Dichloroethane-d4

Concen: 48.674 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 65 Resp: 128985

Ion Ratio Lower Upper

65 100

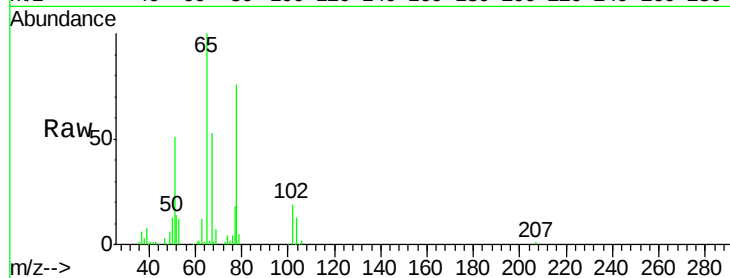
67 52.7 0.0 103.8

Manual Integrations

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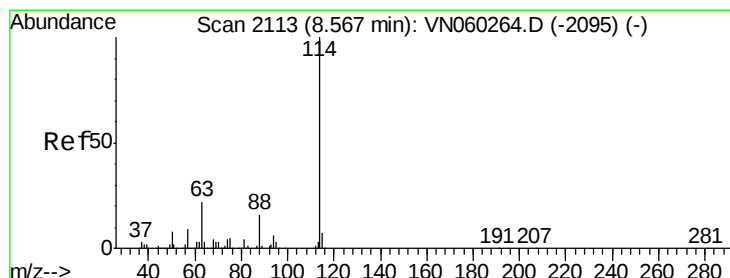
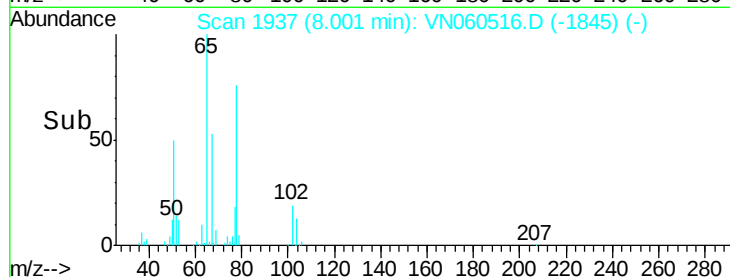
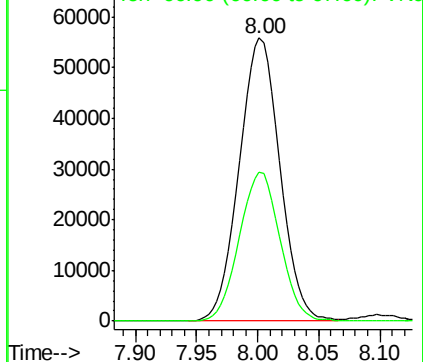
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

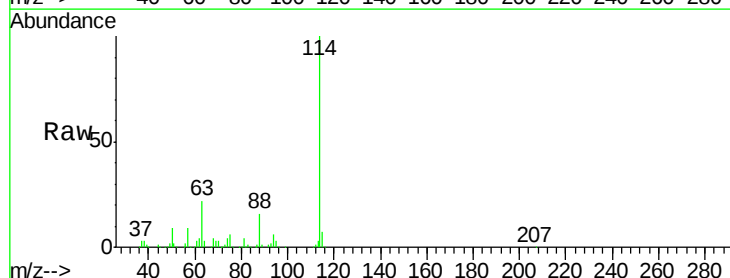
Tgt Ion: 114 Resp: 339150

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

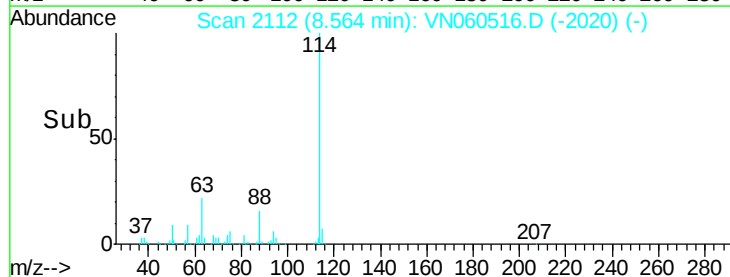
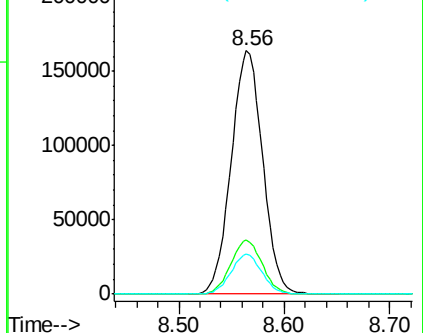
88 16.4 0.0 31.6

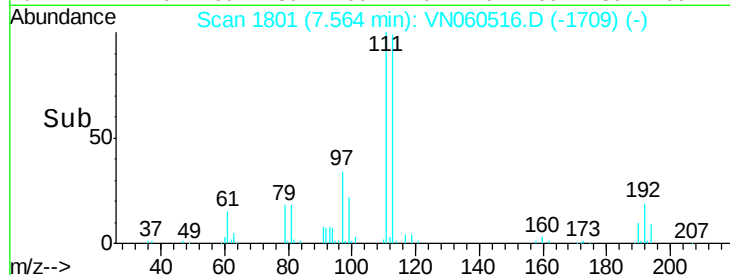
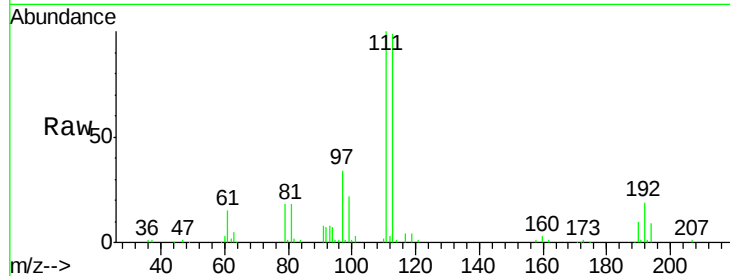


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





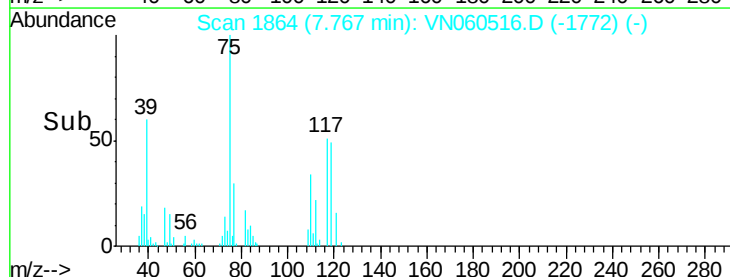
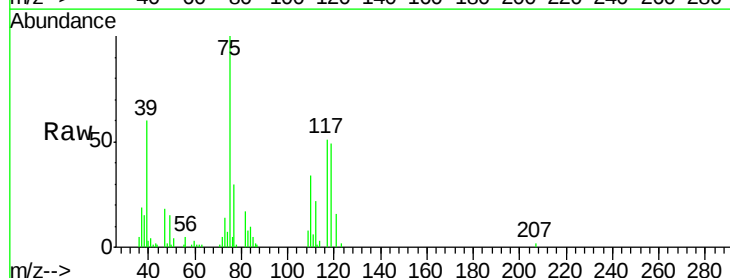
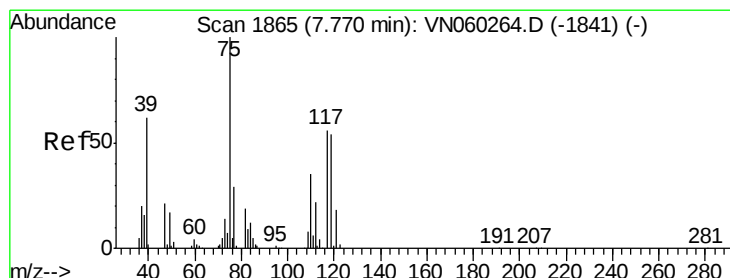
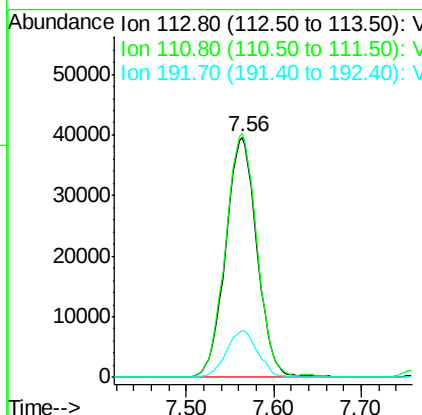
#35
Dibromofluoromethane
Concen: 62.538 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	19.6	16.2	24.2

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

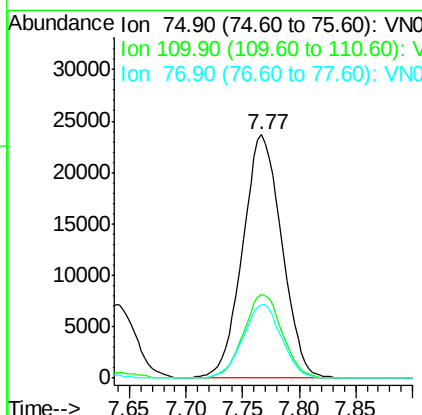
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#36
1,1-Dichloropropene
Concen: 17.642 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	17.3	52.0
77	29.8	24.2	36.2





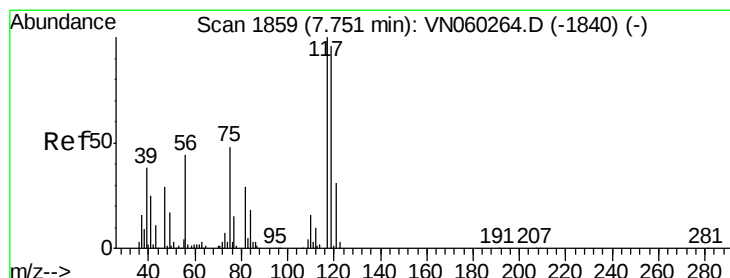
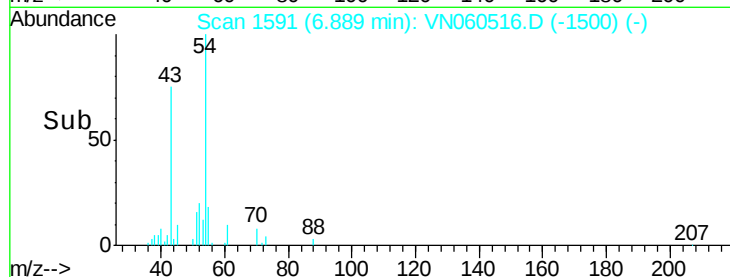
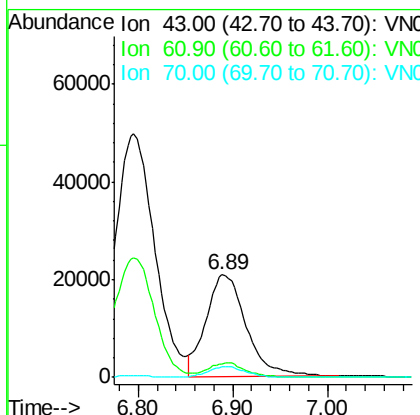
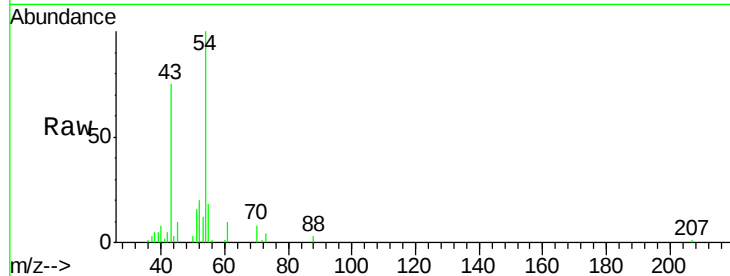
#37
Ethyl Acetate
Concen: 20.076 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.1	16.7
70	9.7	8.4	12.6

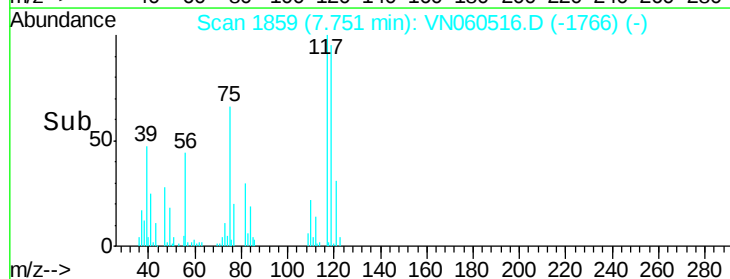
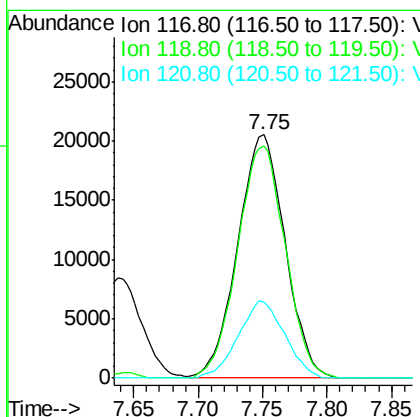
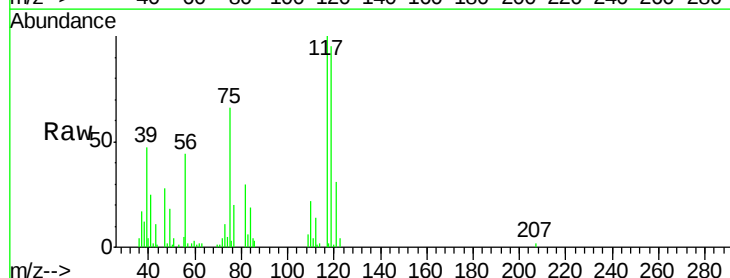
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#38
Carbon Tetrachloride
Concen: 16.661 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
121	31.1	24.5	36.7





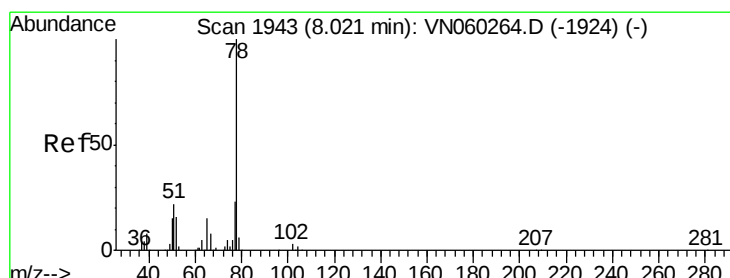
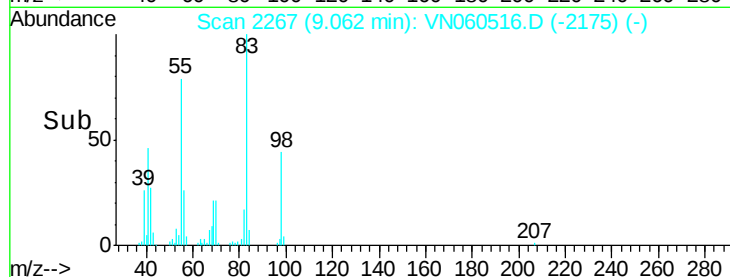
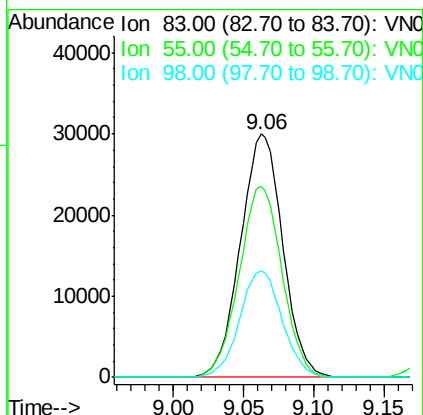
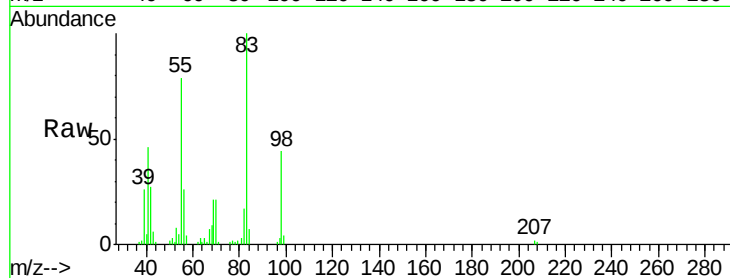
#39
Methvlcvclohexane
Concen: 16.525 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.6	61.0	91.4
98	43.7	36.1	54.1

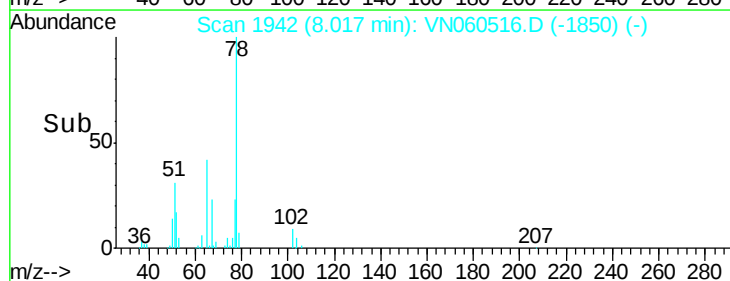
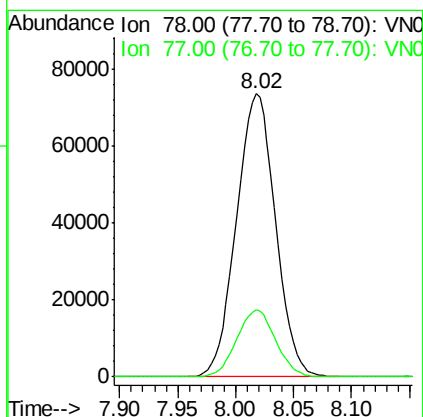
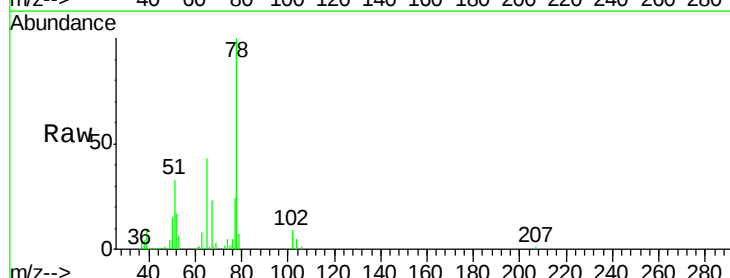
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#40
Benzene
Concen: 18.371 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





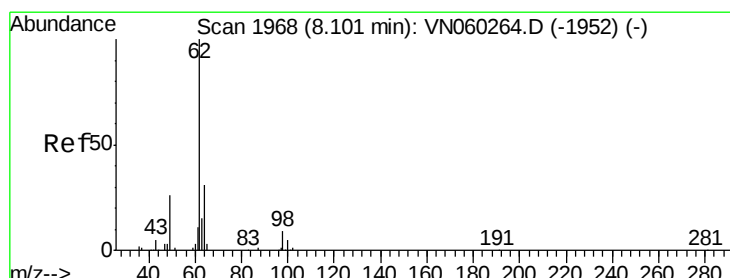
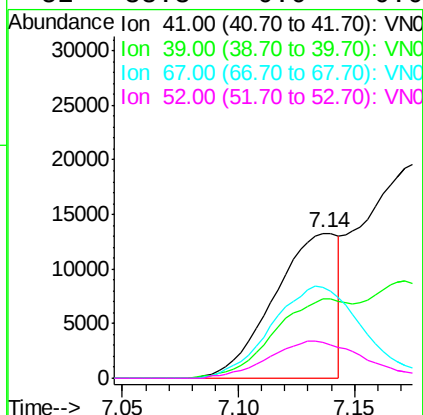
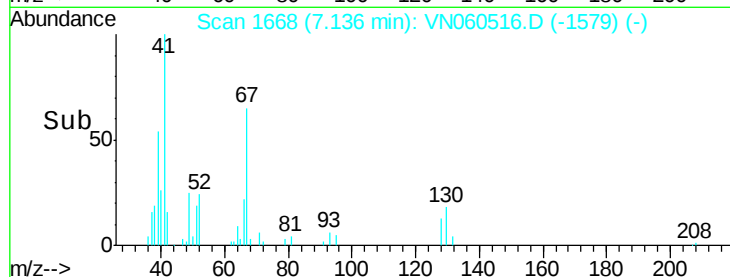
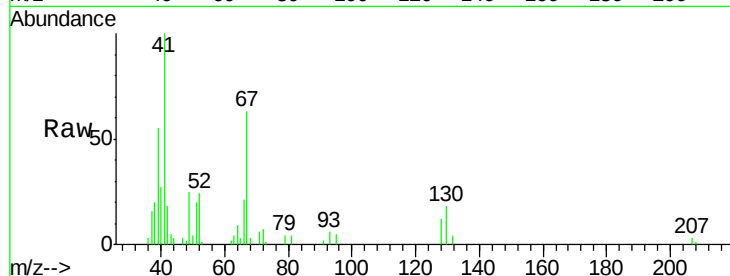
#41
Methacrylonitrile
Concen: 18.045 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.0	0.0	0.0#
67	92.3	0.0	0.0#
52	38.3	0.0	0.0#

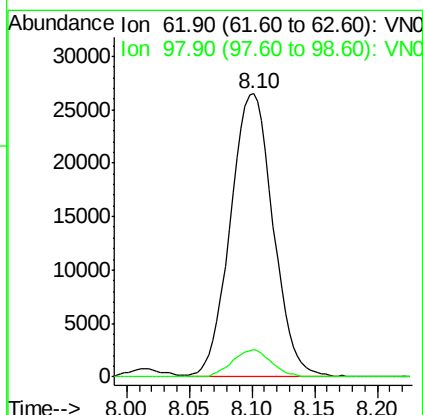
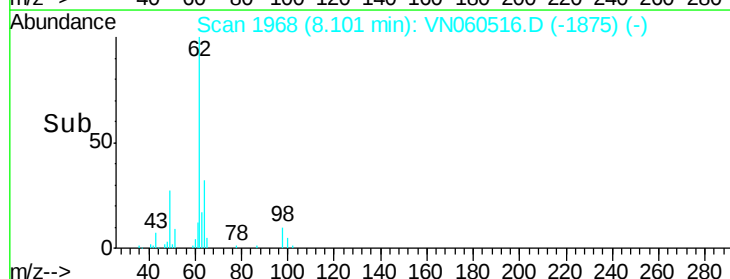
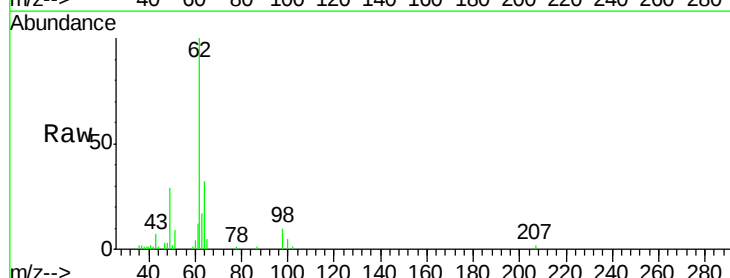
Manual Integrations
APPROVED

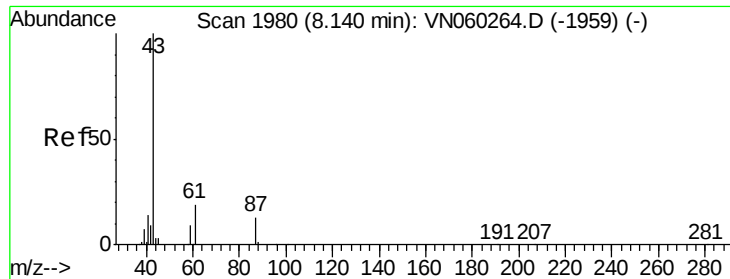
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#42
1,2-Dichloroethane
Concen: 18.487 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

Isopropyl Acetate

Concen: 19.679 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

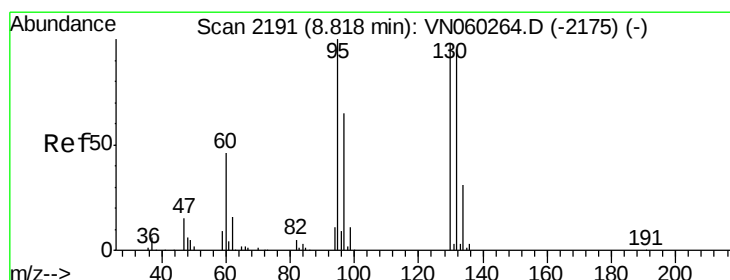
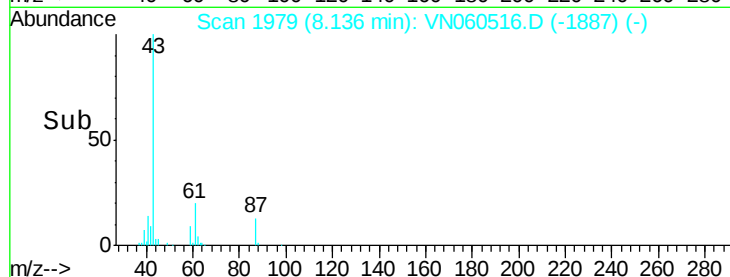
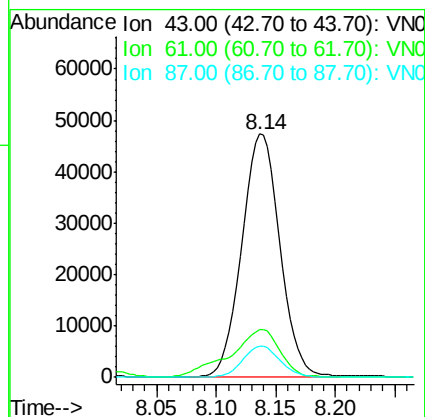
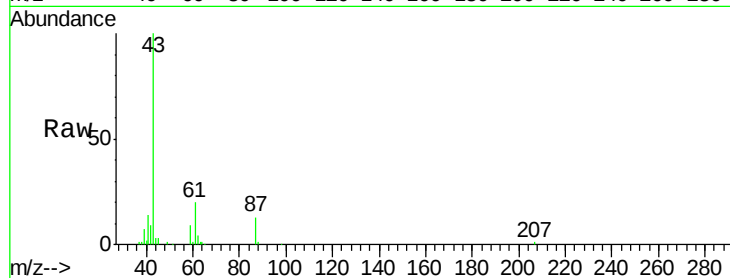
ClientSampleId :

VN0316WBS01

Tot Ion:	43	Resp:	105438
Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.9	31.3
87	12.5	10.6	16.0

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#44

Trichloroethene

Concen: 17.373 ug/l

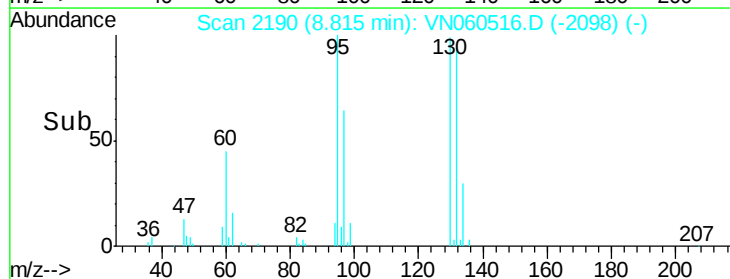
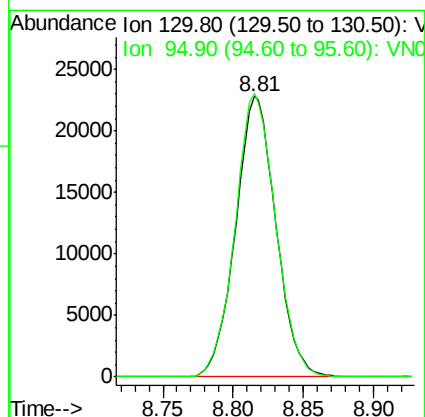
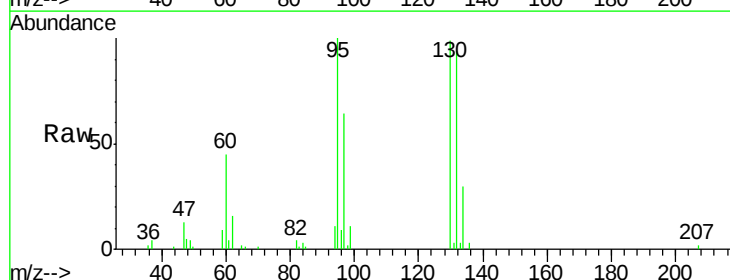
RT: 8.81 min Scan# 2190

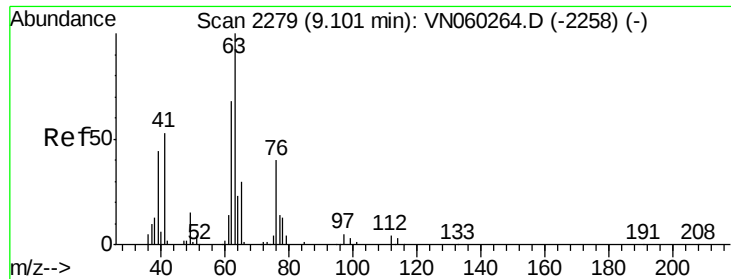
Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	130	Resp:	45518
Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	203.4





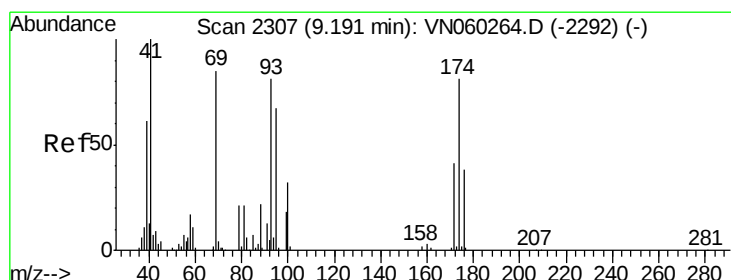
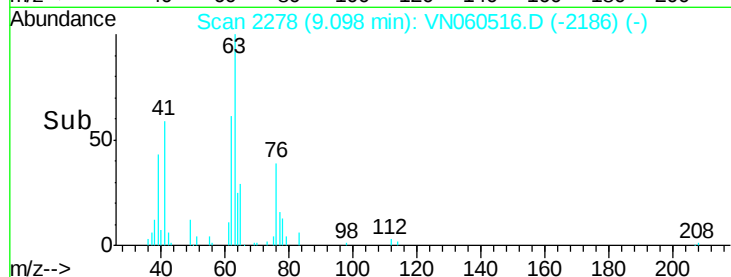
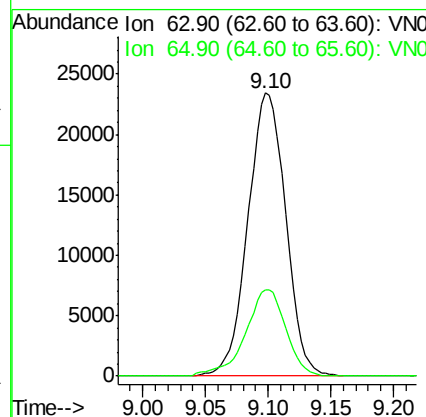
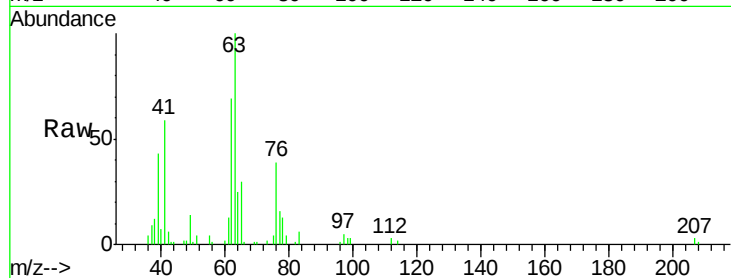
#45
 1,2-Dichloropropane
 Concen: 20.025 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.4	36.6

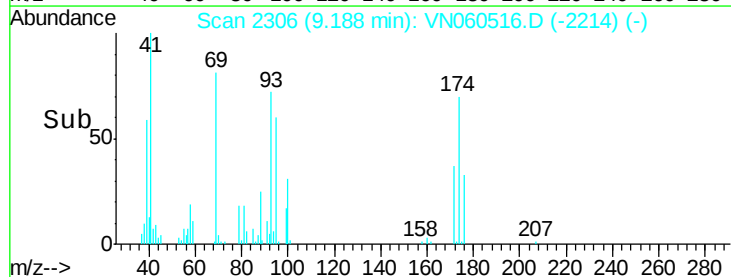
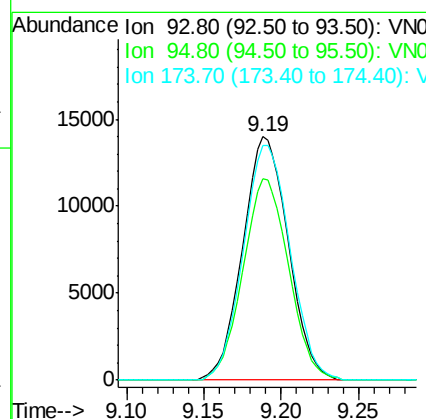
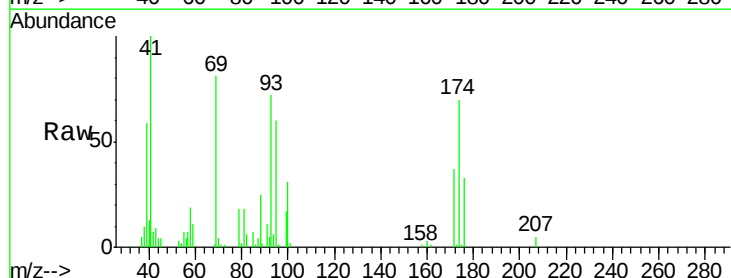
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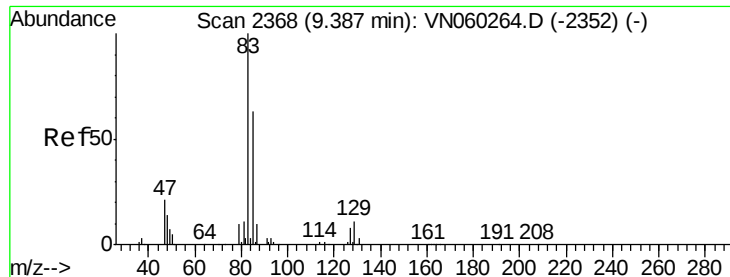
MMDadoda
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#46
 Dibromomethane
 Concen: 18.006 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.9	98.9
174	98.8	79.6	119.4





#47

Bromodichloromethane

Concen: 18.927 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

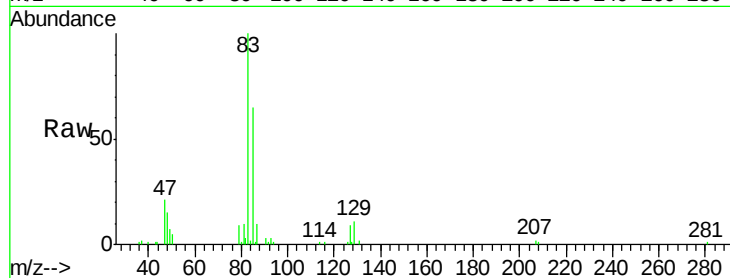
ClientSampled :

VN0316WBS01

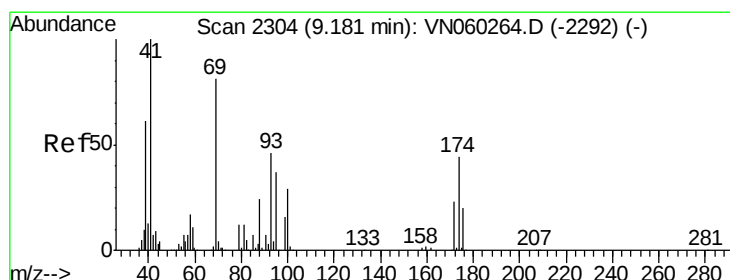
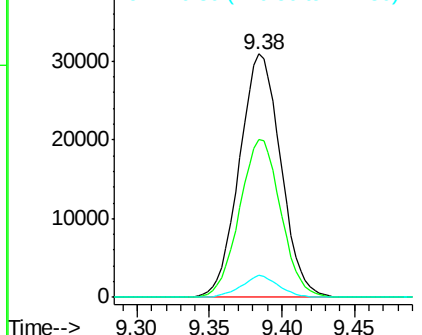
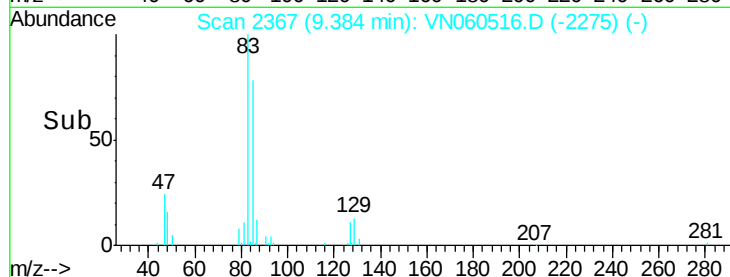
Tot Ion:	83	Resp:	61436
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1
127	8.9	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN060516.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.208 ug/l

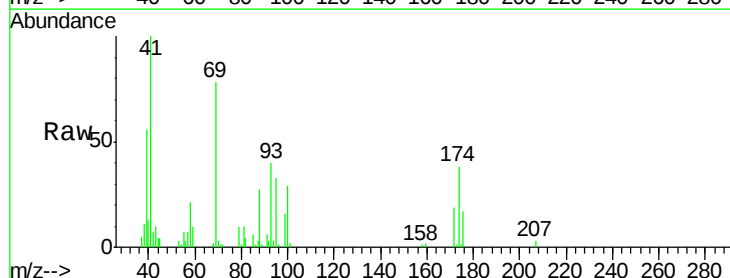
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

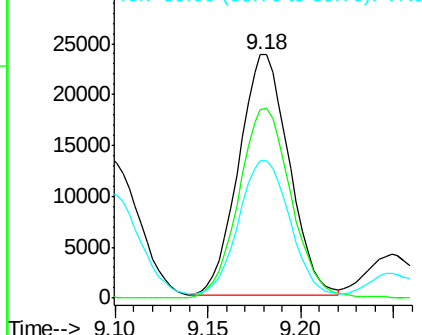
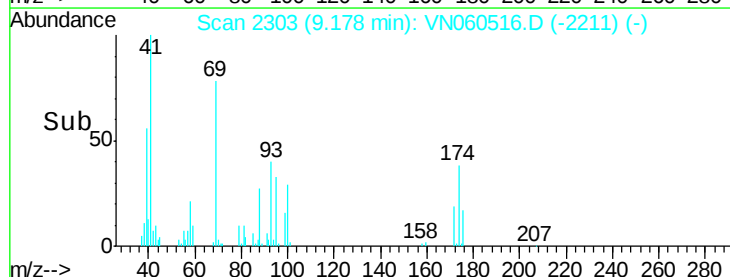
Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	41	Resp:	44489
Ion	Ratio	Lower	Upper
41	100		
69	81.8	66.7	100.1
39	56.5	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060516.D (-2211) (-)





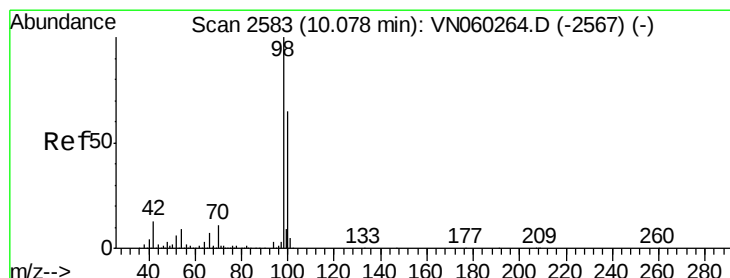
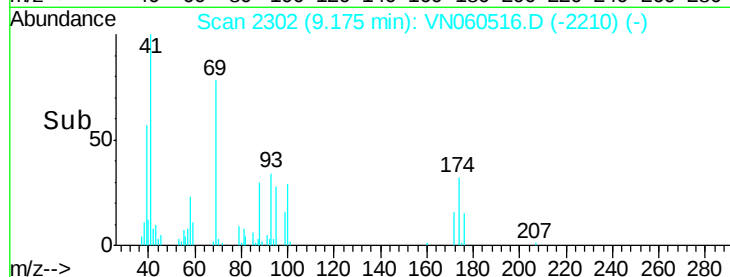
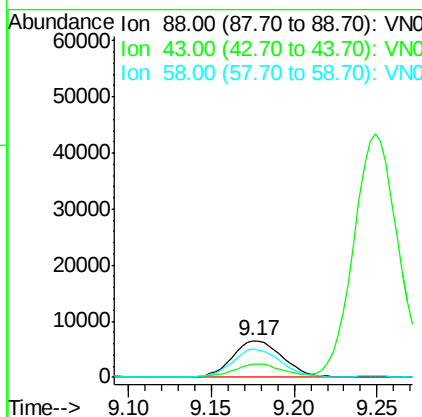
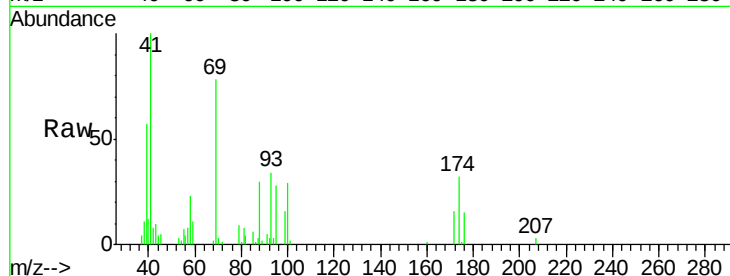
#49
1,4-Dioxane
Concen: 401.079 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	30.4	45.6
58	74.8	57.0	85.6

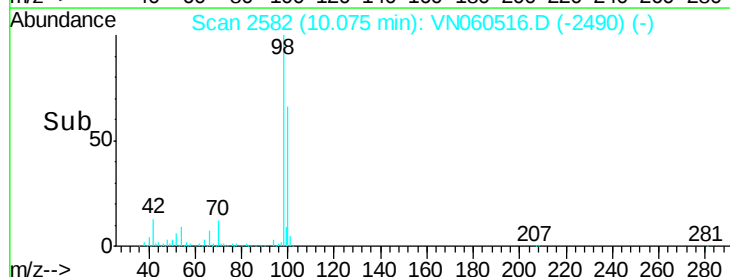
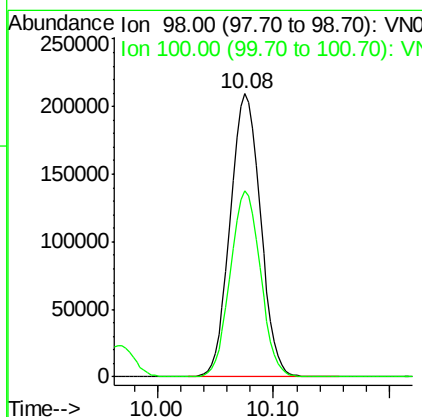
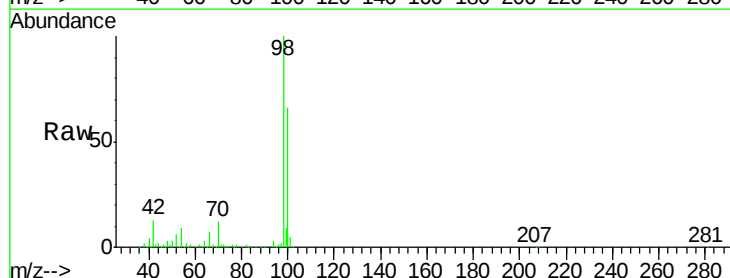
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#50
Toluene-d8
Concen: 47.582 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 99.851 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion: 43 Resp: 303338

Ion Ratio Lower Upper

43 100

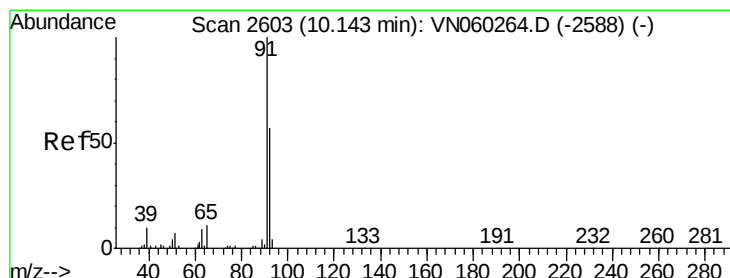
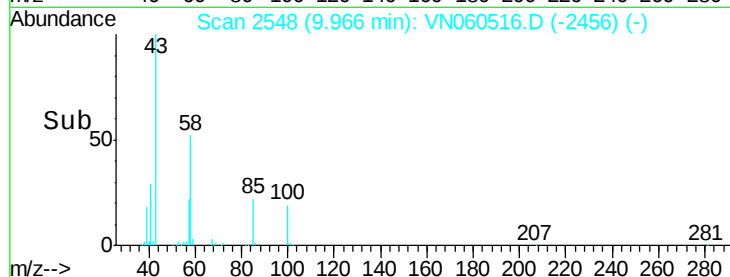
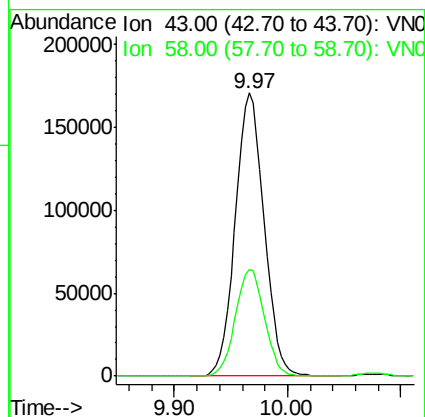
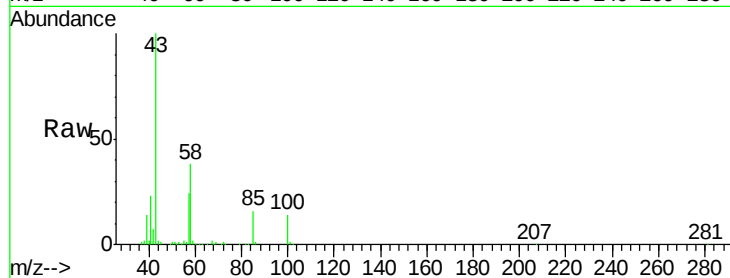
58 38.1 30.9 46.3

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3/17/2020 11:48:14 AM



#52

Toluene

Concen: 17.893 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060516.D

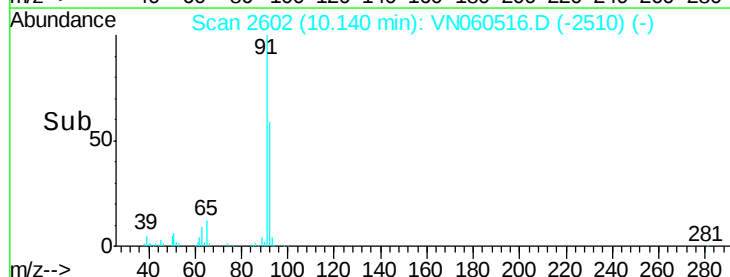
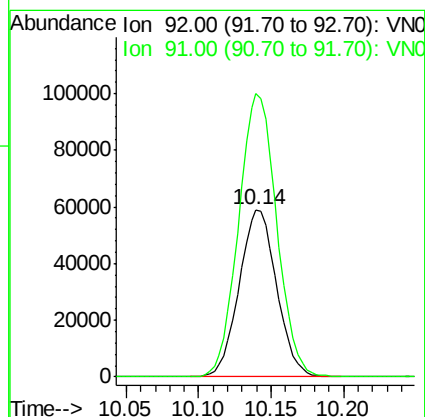
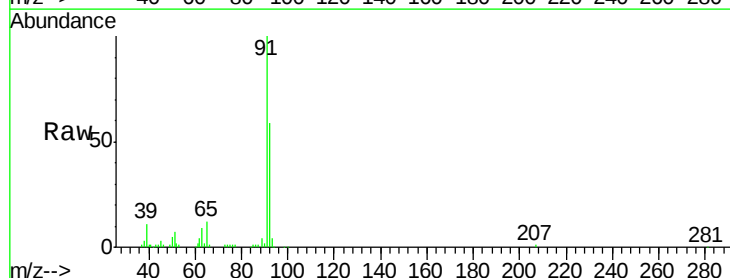
Acq: 16 Mar 2020 12:24

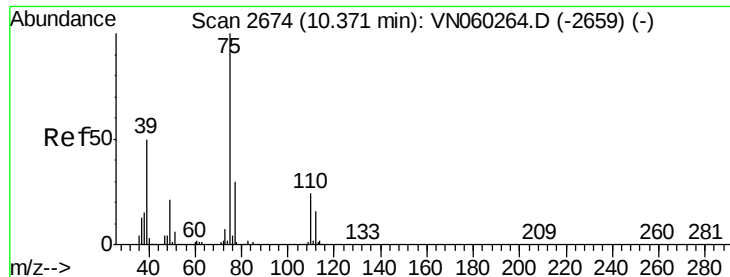
Tgt Ion: 92 Resp: 105742

Ion Ratio Lower Upper

92 100

91 172.5 138.1 207.1





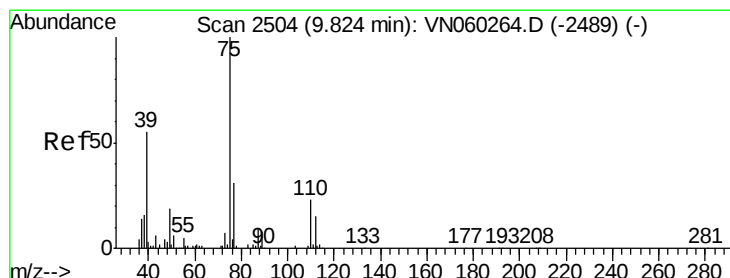
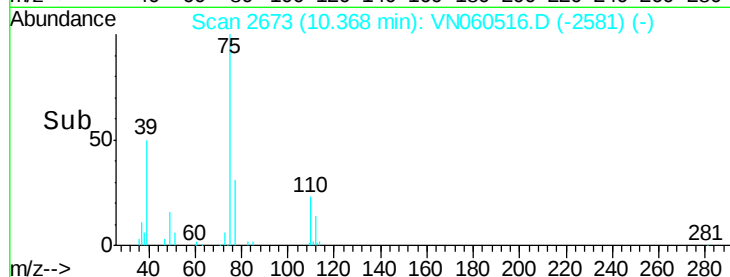
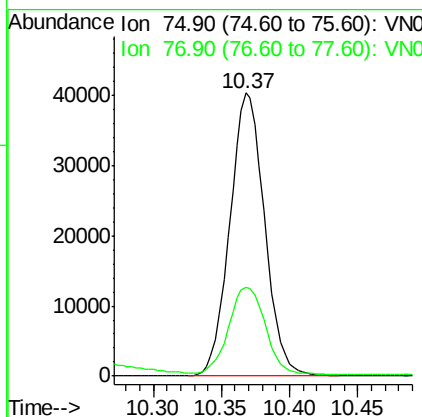
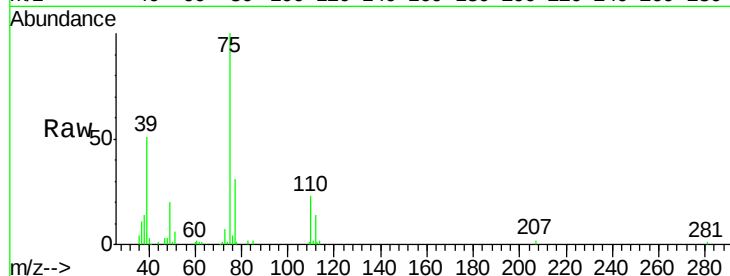
#53
t-1,3-Dichloropropene
Concen: 17.925 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion: 75 Resp: 71297
Ion Ratio Lower Upper
75 100
77 30.7 24.8 37.2

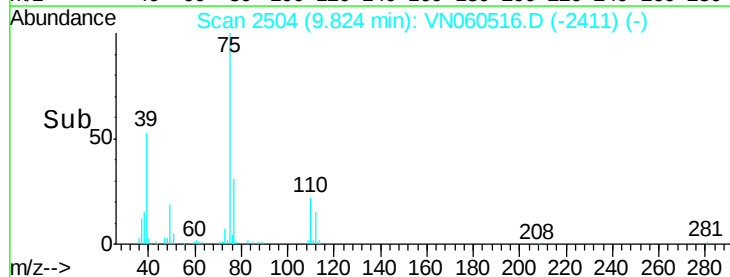
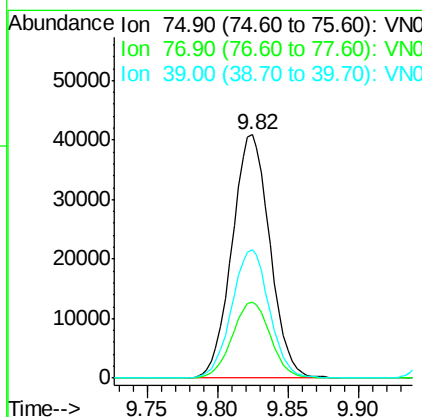
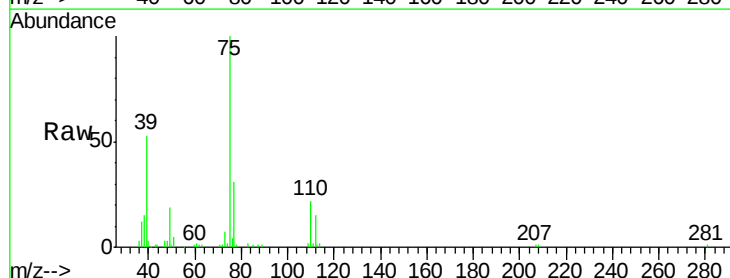
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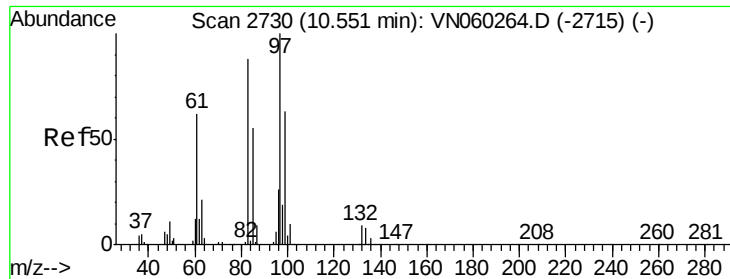
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#54
cis-1,3-Dichloropropene
Concen: 18.655 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion: 75 Resp: 76884
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 53.0 43.8 65.8





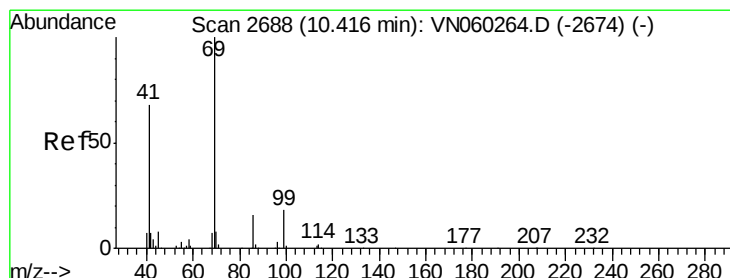
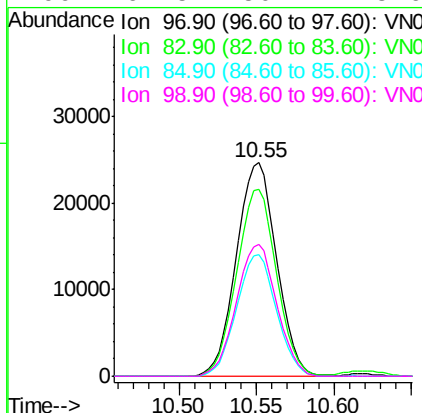
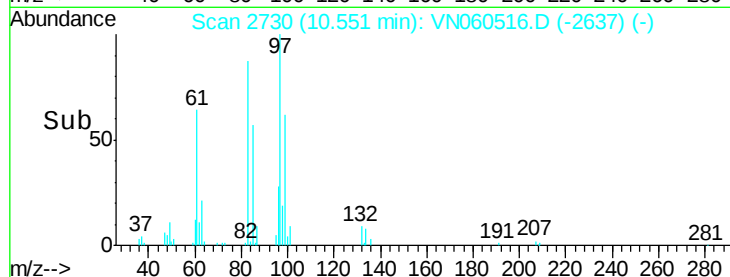
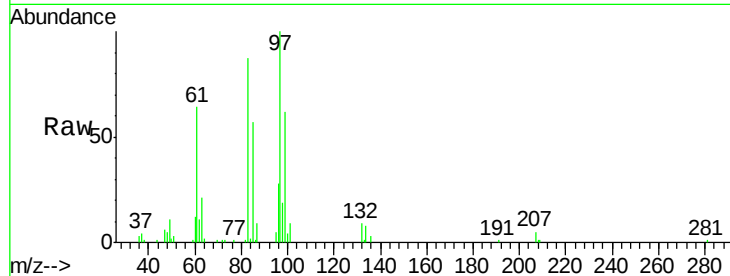
#55
 1,1,2-Trichloroethane
 Concen: 18.792 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion:	97	Resp:	44659
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	56.8	44.0	66.0
99	61.5	50.4	75.6

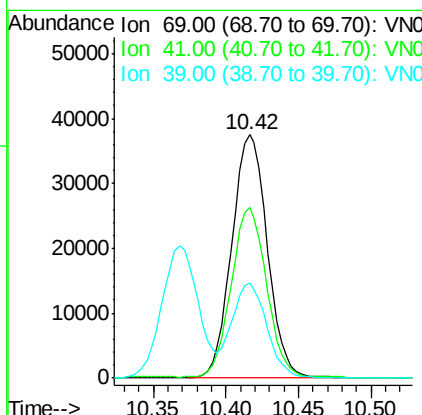
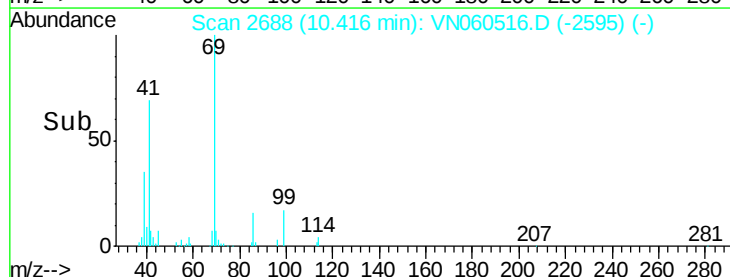
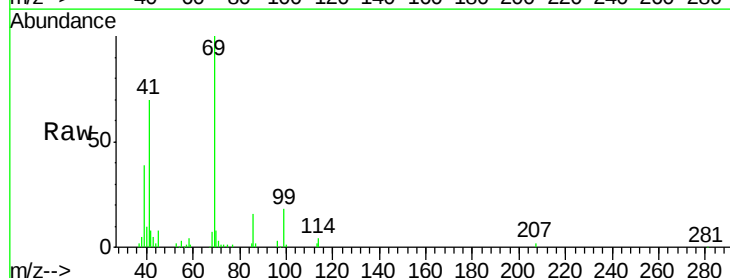
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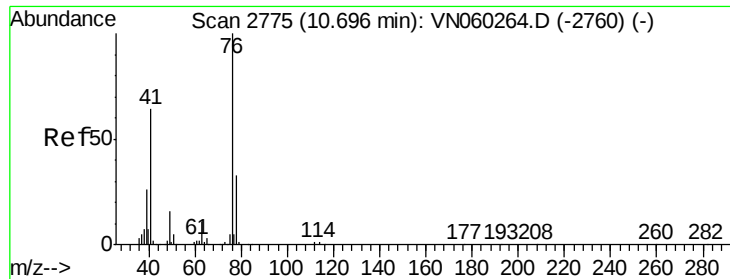
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#56
 Ethyl methacrylate
 Concen: 18.711 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion:	69	Resp:	63883
Ion	Ratio	Lower	Upper
69	100		
41	68.7	54.1	81.1
39	38.7	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.441 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 76 Resp: 75344

Ion Ratio Lower Upper

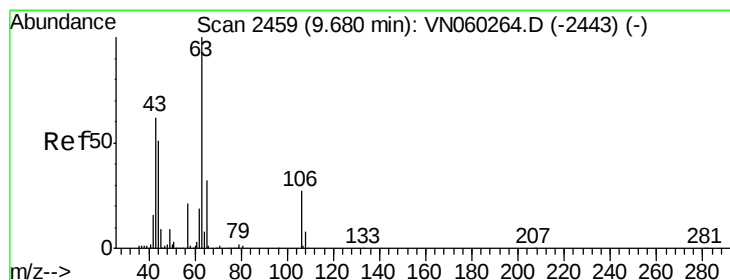
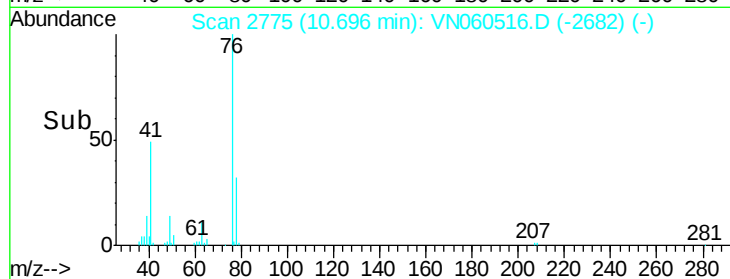
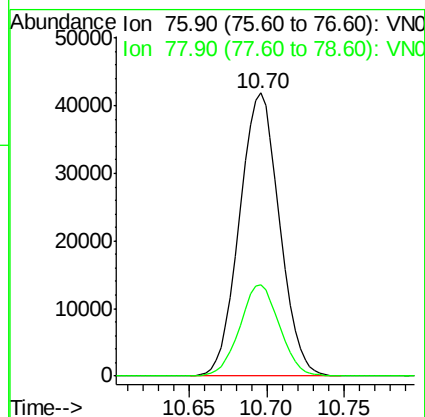
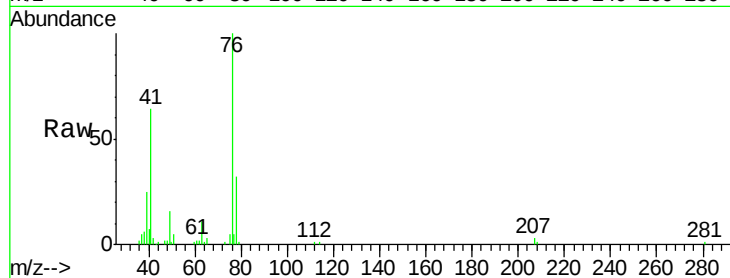
76 100

78 32.0 26.2 39.2

Manual Integrations
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3/17/2020 11:48:14 AM



#58

2-Chloroethyl Vinyl ether

Concen: 89.485 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060516.D

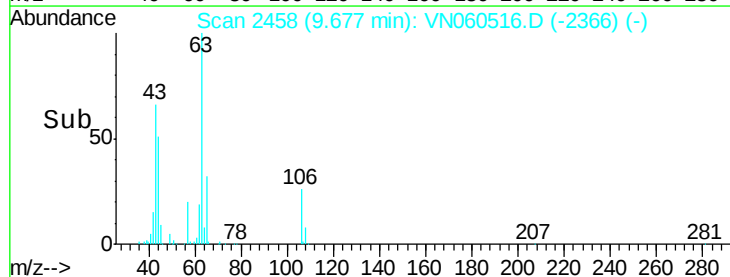
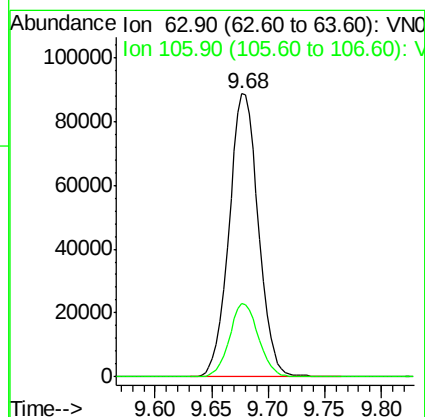
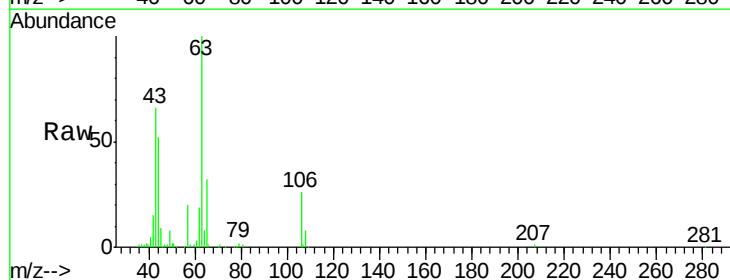
Acq: 16 Mar 2020 12:24

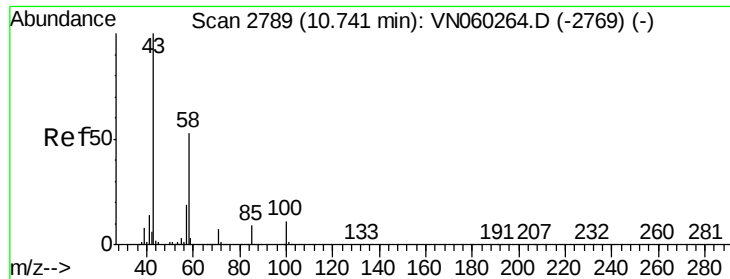
Tgt Ion: 63 Resp: 159789

Ion Ratio Lower Upper

63 100

106 25.7 21.1 31.7





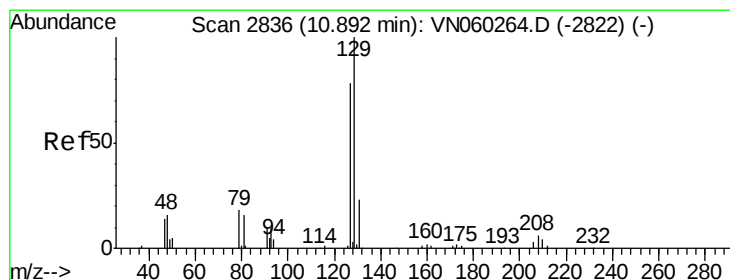
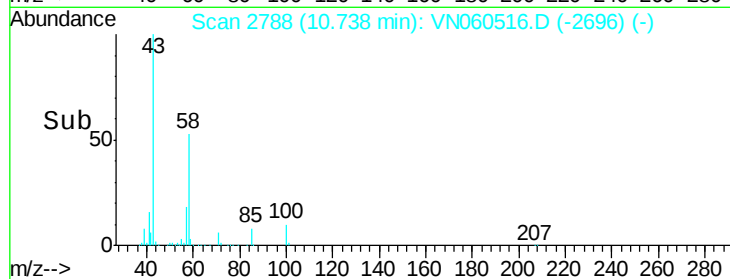
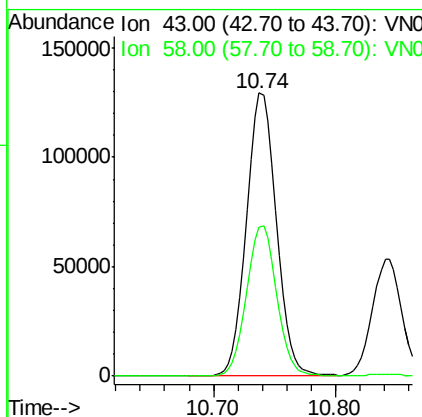
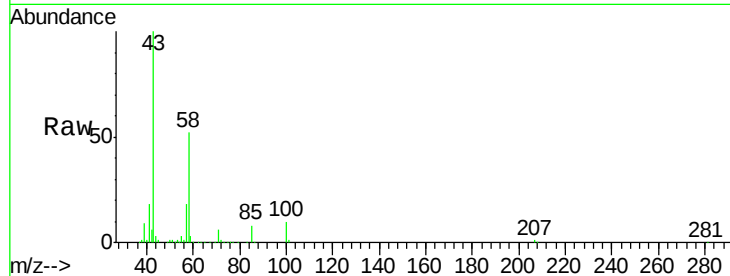
#59
2-Hexanone
Concen: 97.824 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.3	26.5	79.5

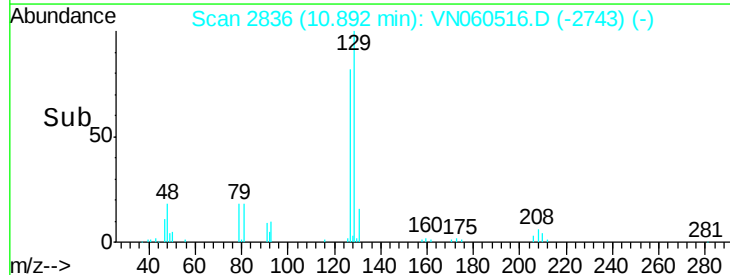
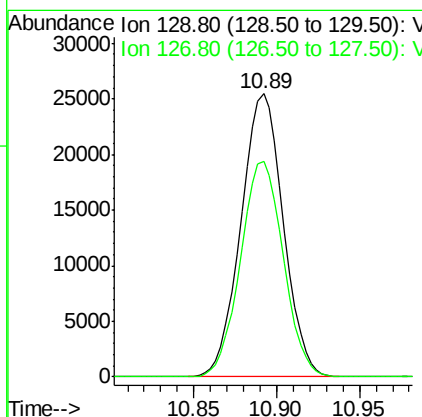
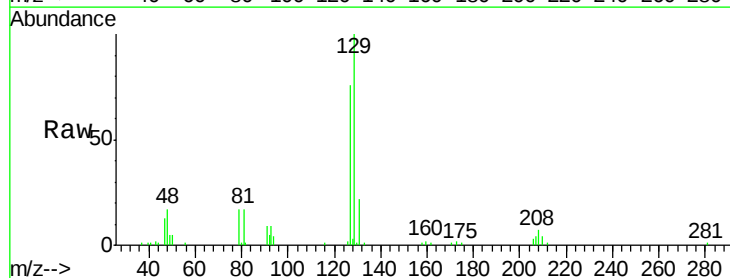
Manual Integrations
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#60
Dibromochloromethane
Concen: 18.750 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.9	116.7





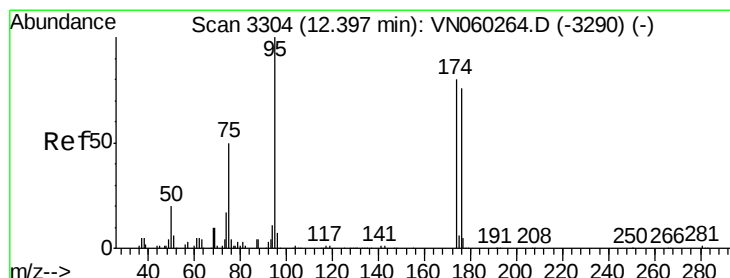
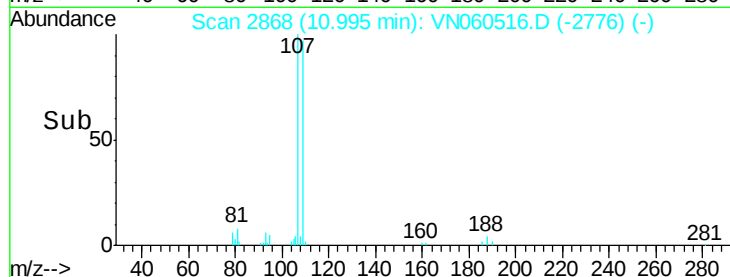
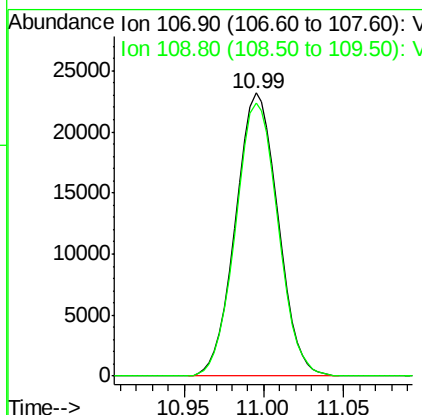
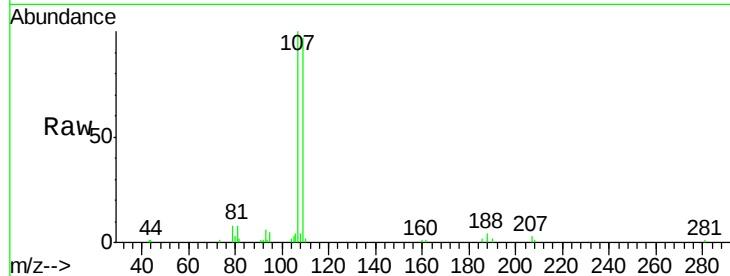
#61
 1,2-Dibromoethane
 Concen: 18.081 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	76.8	115.2

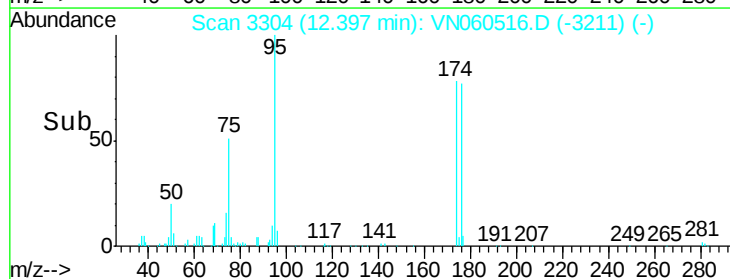
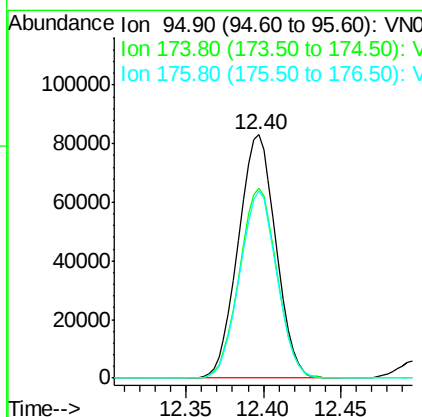
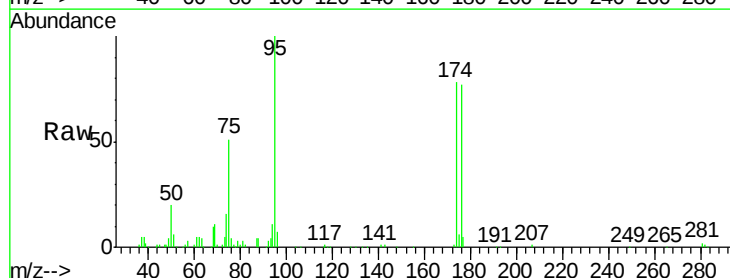
Manual Integrations
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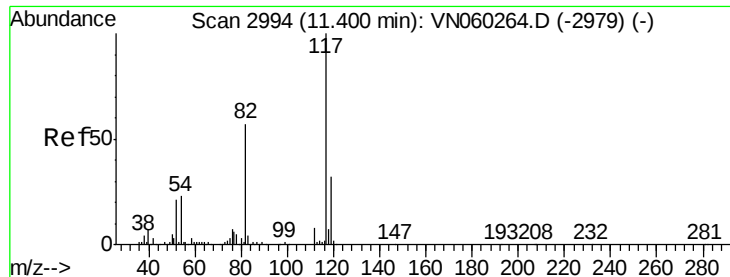
MMDadoda
 3/17/2020 11:48:14 AM



#62
 4-Bromofluorobenzene
 Concen: 46.564 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	159.2
176	76.0	0.0	153.8





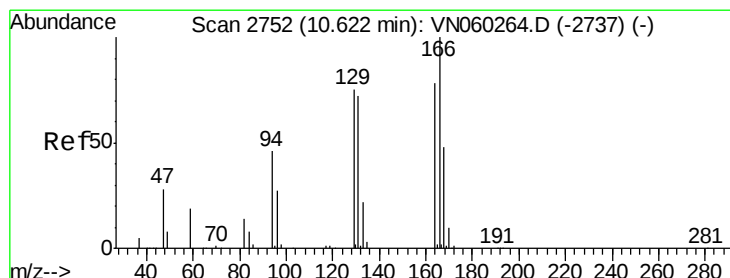
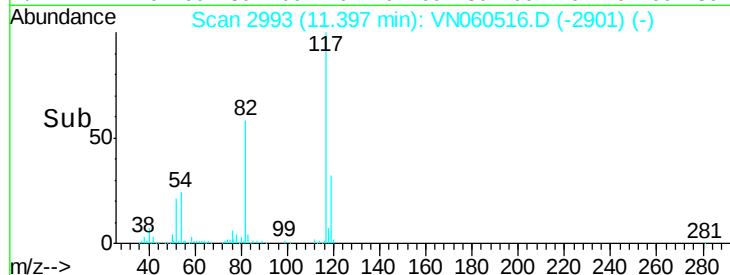
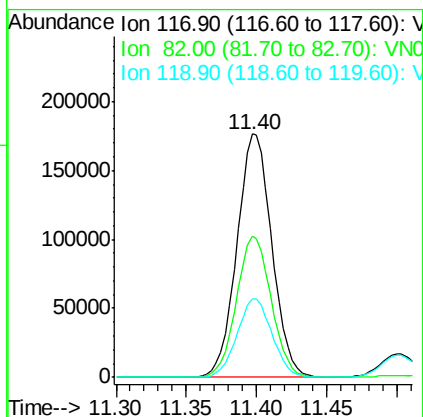
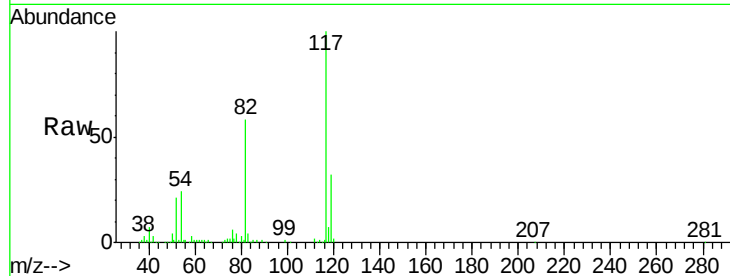
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.8	68.6
119	32.4	25.8	38.8

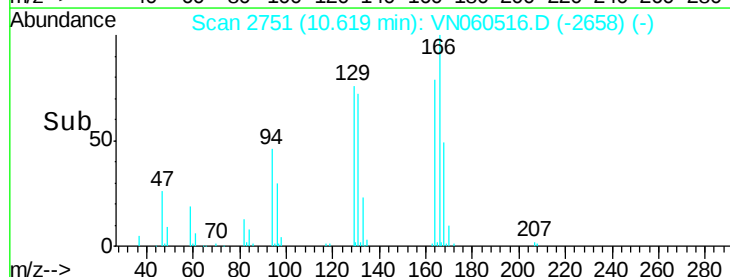
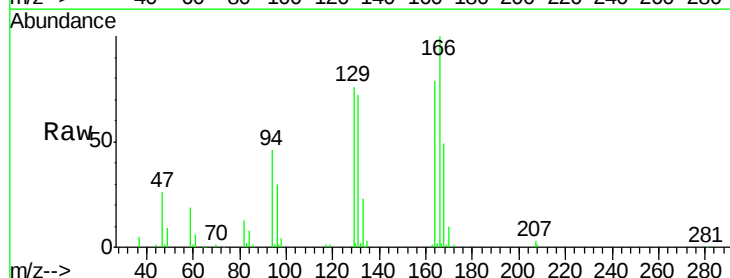
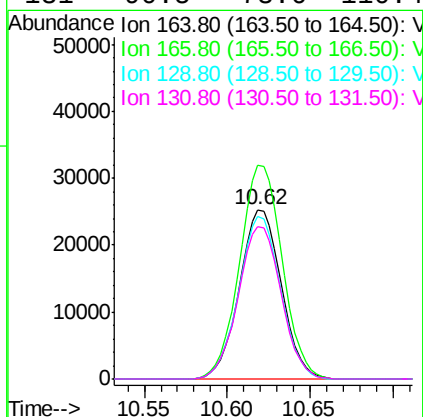
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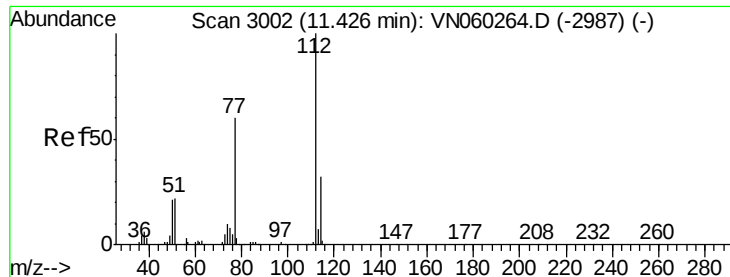
MMDadoda
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#64
Tetrachloroethene
Concen: 17.580 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	102.0	153.0
129	96.2	76.4	114.6
131	90.5	73.6	110.4





#65

Chlorobenzene

Concen: 18.041 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion:112 Resp: 111257

Ion Ratio Lower Upper

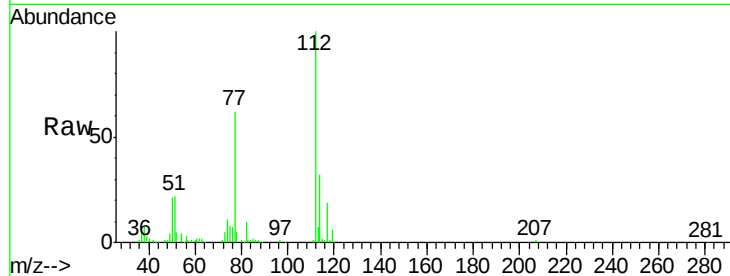
112 100

114 32.2 25.4 38.0

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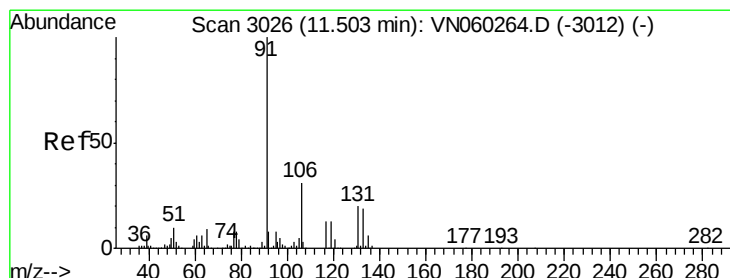
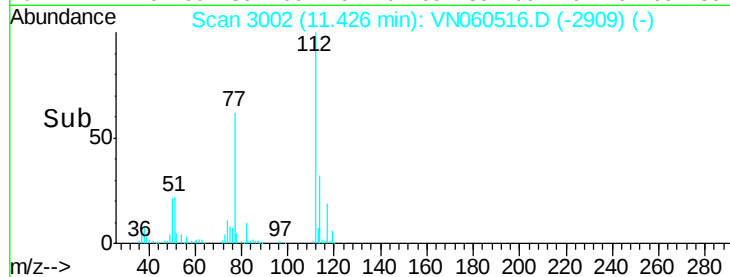
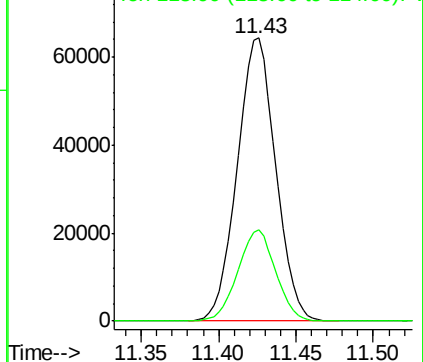
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.724 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

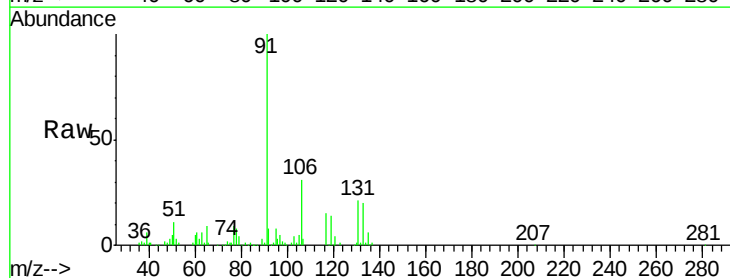
Tgt Ion:131 Resp: 42694

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

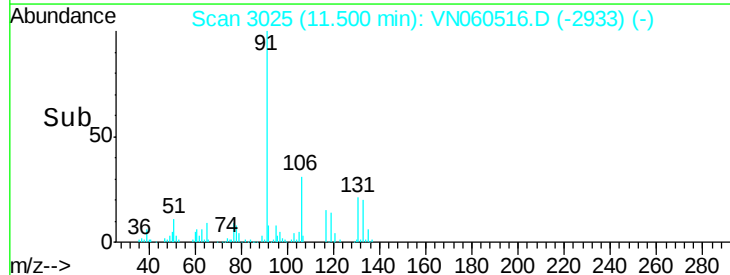
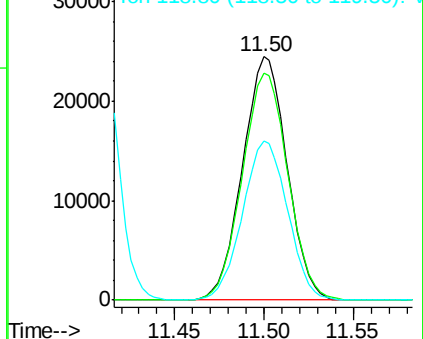
119 66.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.241 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion: 91 Resp: 204855

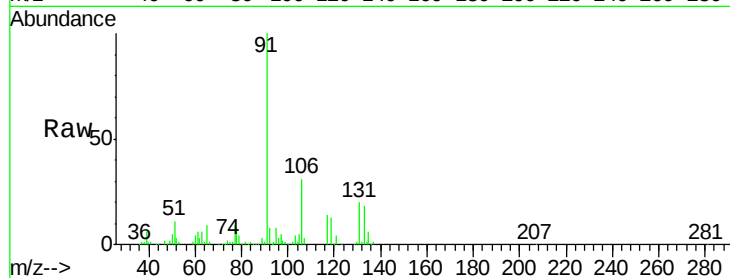
Ion Ratio Lower Upper

91 100

106 30.8 24.7 37.1

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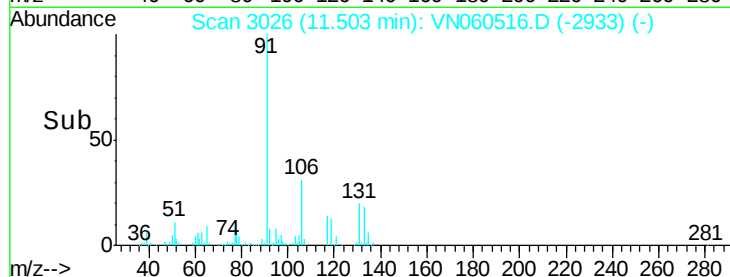


Abundance Ion 91.00 (90.70 to 91.70): VN060516.D (-2933) (-)

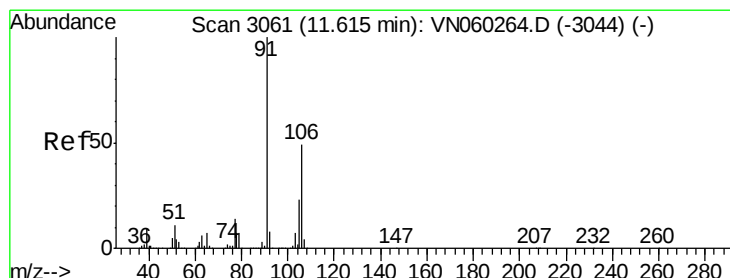
Ion 106.00 (105.70 to 106.70): VN060516.D (-2933) (-)

11.50

11.55



Time-->



#68

m/p-Xylenes

Concen: 35.746 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060516.D

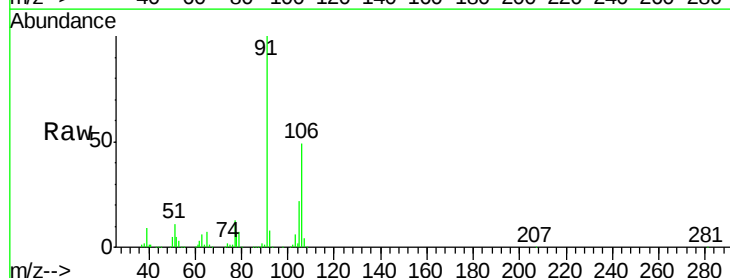
Acq: 16 Mar 2020 12:24

Tgt Ion: 106 Resp: 151464

Ion Ratio Lower Upper

106 100

91 208.3 164.5 246.7

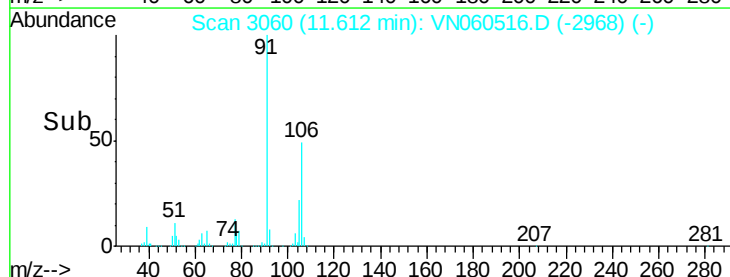


Abundance Ion 106.00 (105.70 to 106.70): VN060516.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060516.D (-2968) (-)

11.61

11.70



Time-->



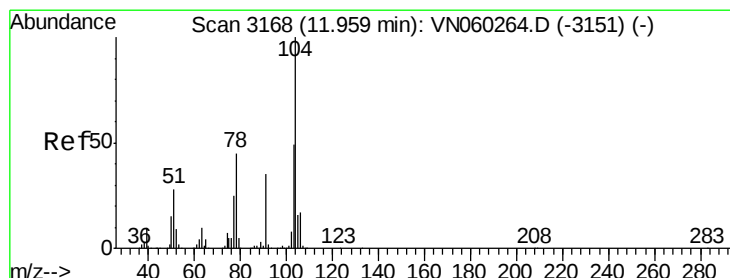
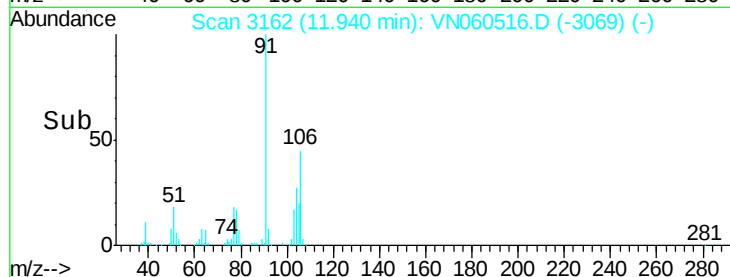
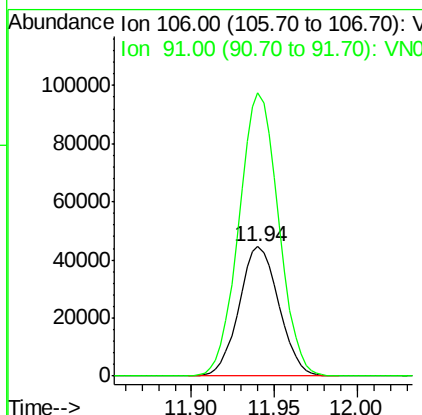
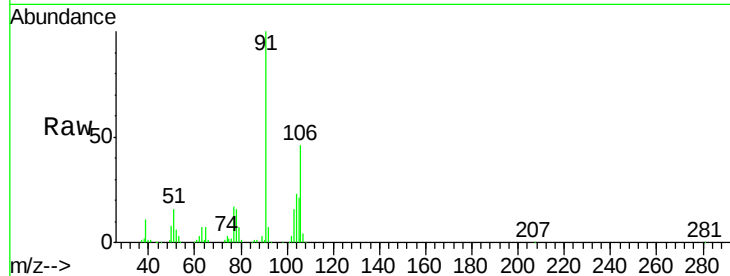
#69
o-Xylene
Concen: 18.445 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

Tot Ion:106 Resp: 74527
Ion Ratio Lower Upper
106 100
91 217.3 109.5 328.4

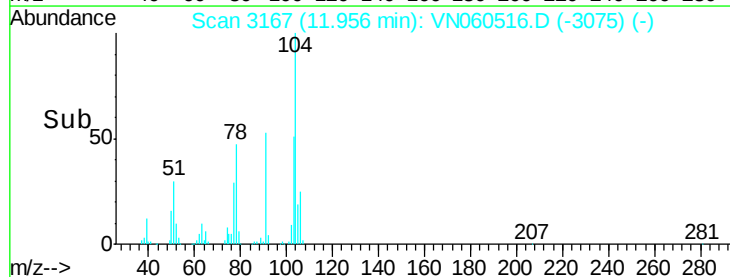
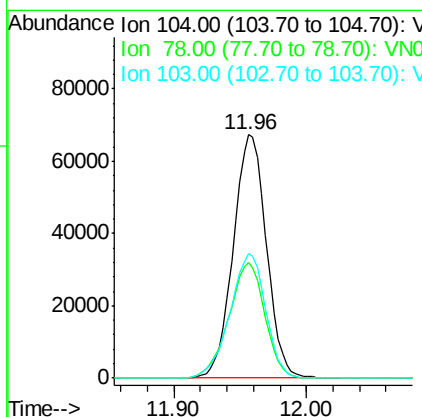
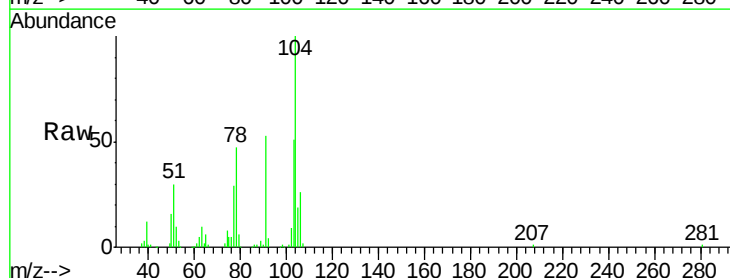
Manual Integrations
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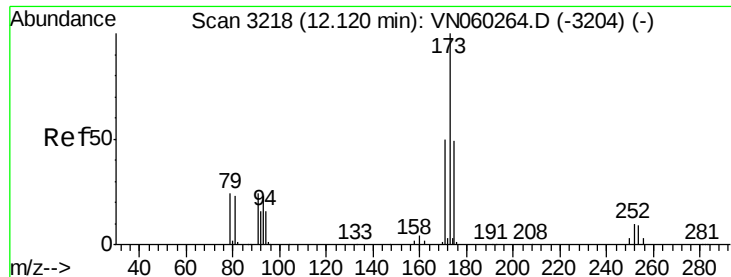
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#70
Styrene
Concen: 17.580 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion:104 Resp: 116786
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 55.0 43.9 65.9





#71

Bromoform

Concen: 18.825 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

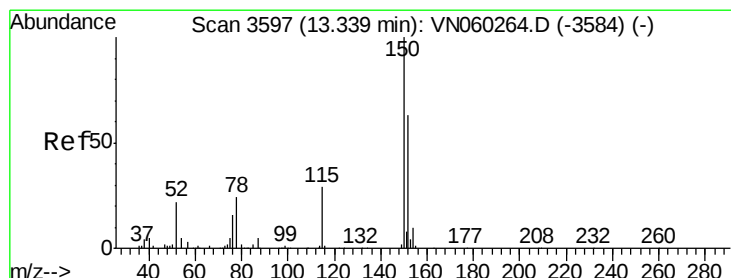
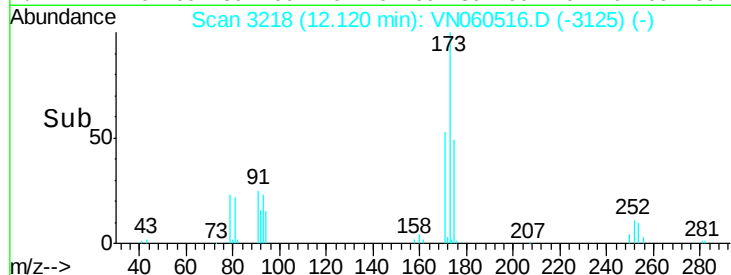
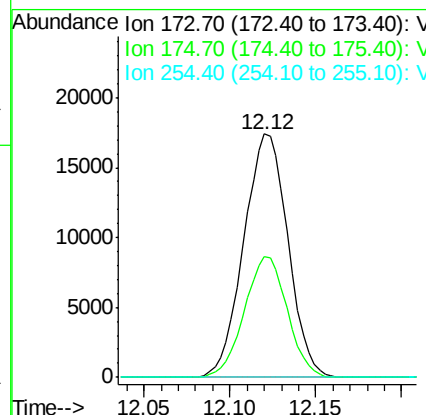
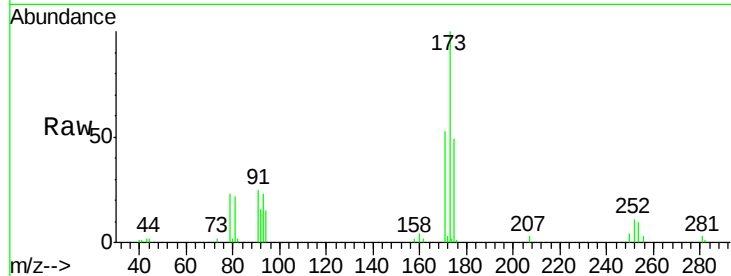
ClientSampleId :

VN0316WBS01

Tot Ion:	173	Resp:	30937
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.1	72.2
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

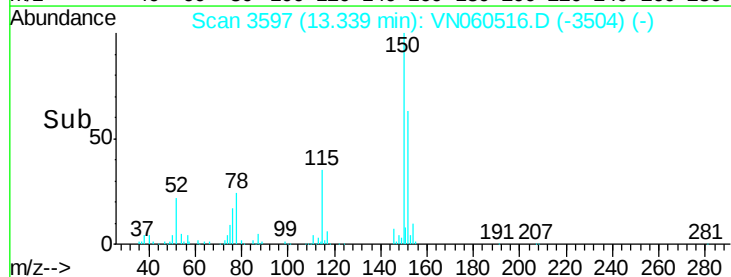
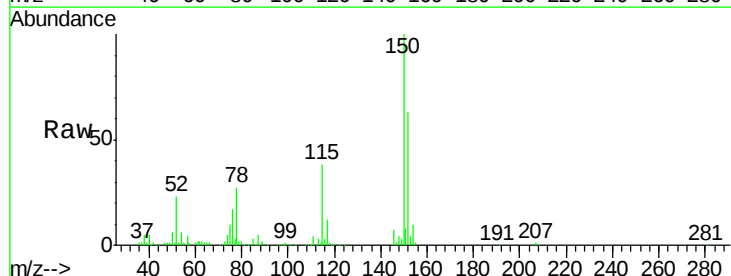
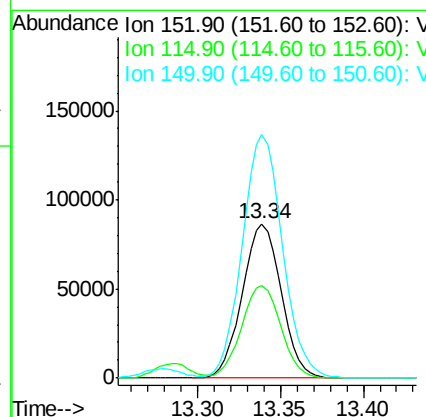
RT: 13.34 min Scan# 3597

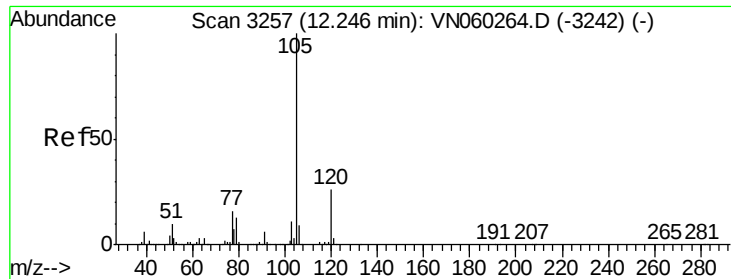
Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	152	Resp:	141921
Ion Ratio	Lower	Upper	
152	100		
115	60.2	30.0	90.0
150	163.4	0.0	349.6





#73

Isopropylbenzene

Concen: 19.012 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampled :

VN0316WBS01

Tot Ion: 105 Resp: 199992

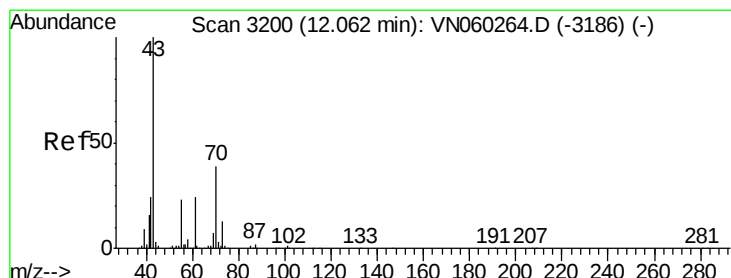
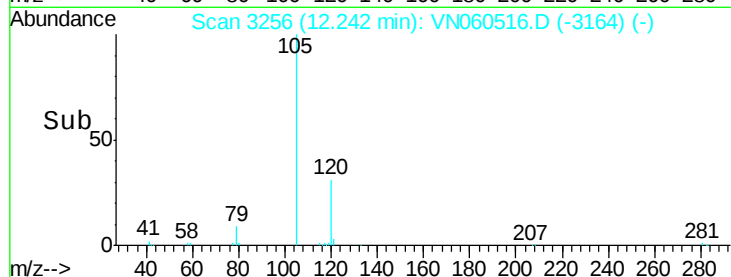
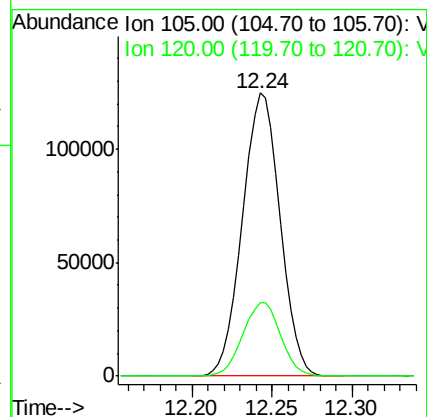
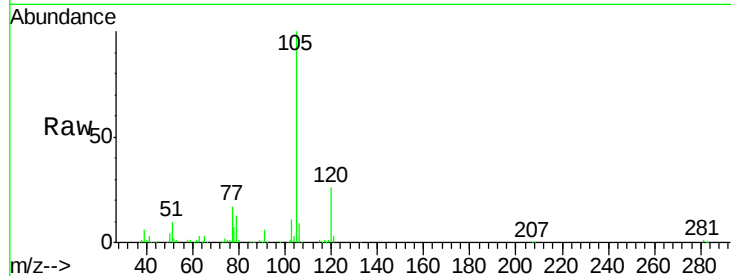
Ion Ratio Lower Upper

105 100

120 26.0 13.0 38.9

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#74

N-ethyl acetate

Concen: 19.138 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion: 43 Resp: 87970

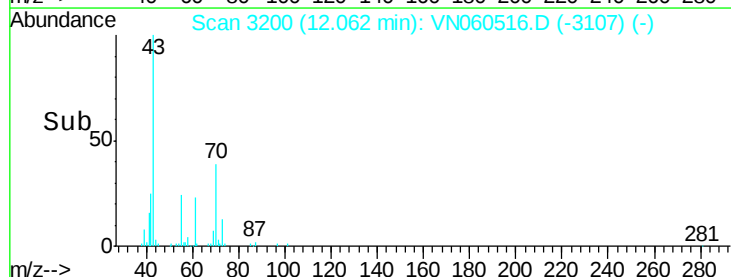
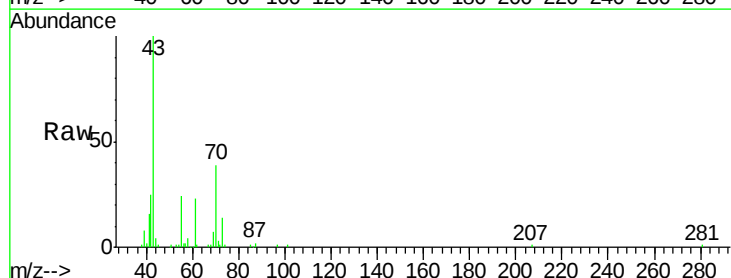
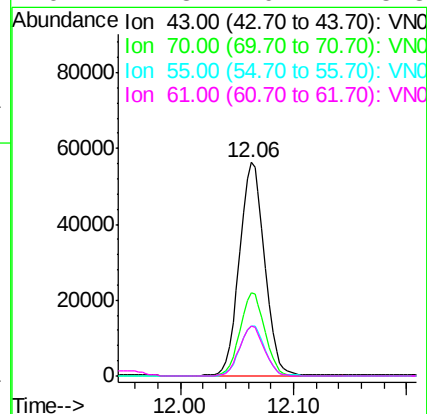
Ion Ratio Lower Upper

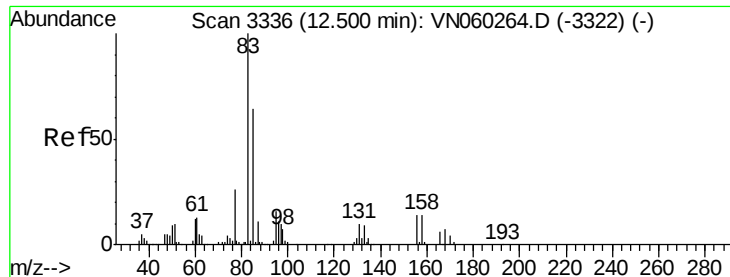
43 100

70 37.9 32.2 48.2

55 23.3 18.2 27.4

61 22.8 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.784 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 83 Resp: 59427
Ion Ratio Lower Upper

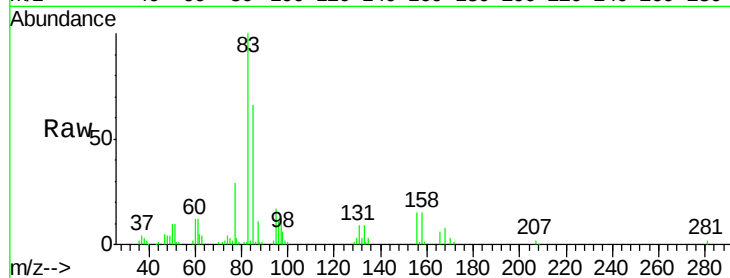
83 100

131 9.6 5.1 15.3

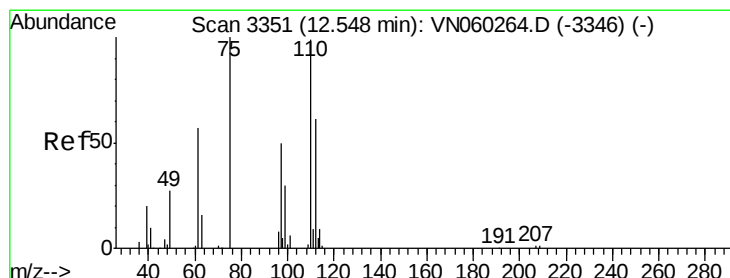
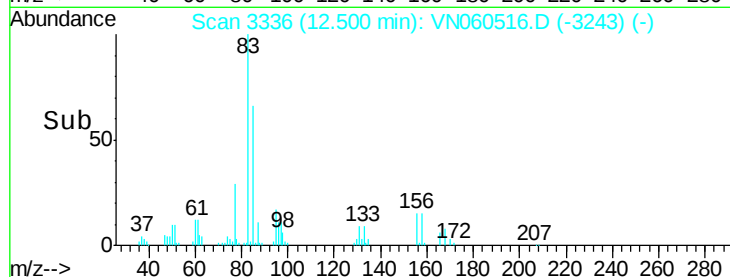
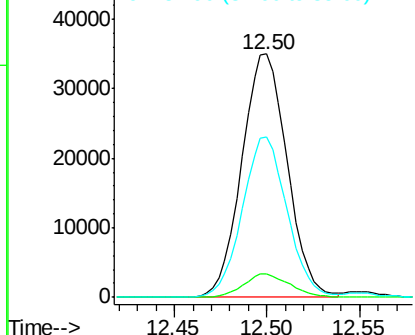
85 64.8 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 17.953 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

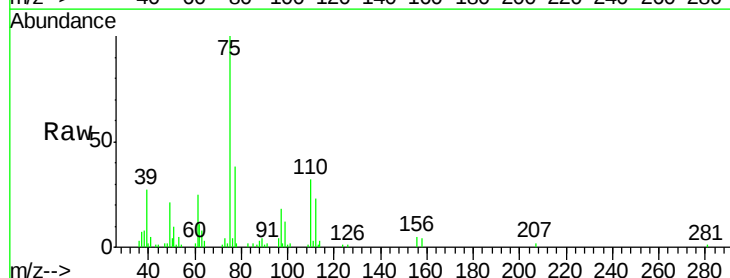
Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

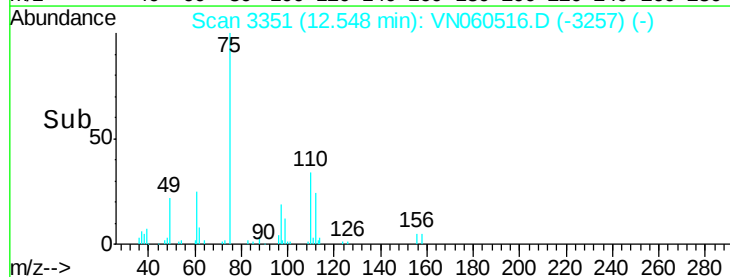
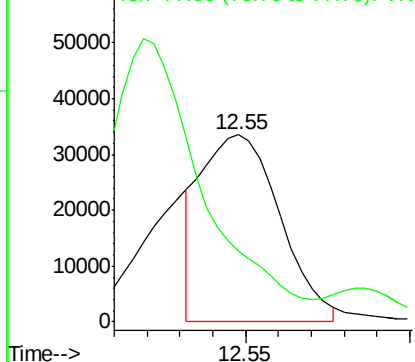
Tgt Ion: 75 Resp: 55901
Ion Ratio Lower Upper

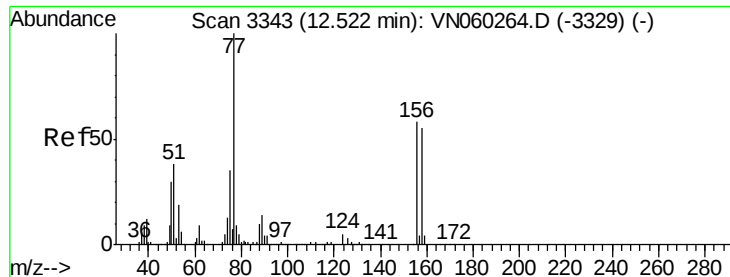
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 18.352 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

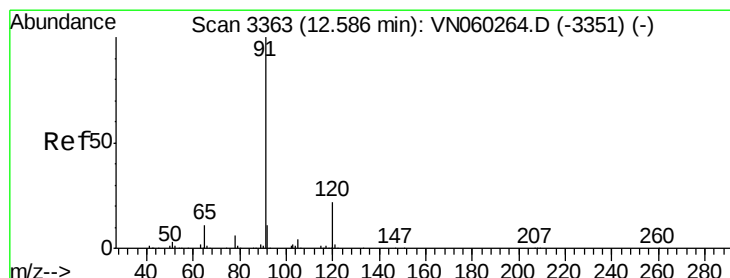
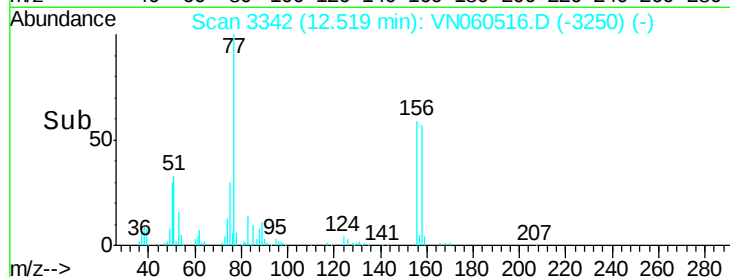
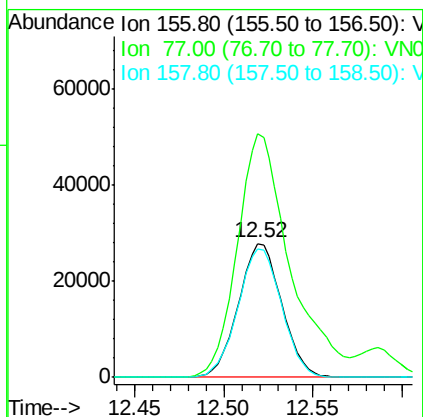
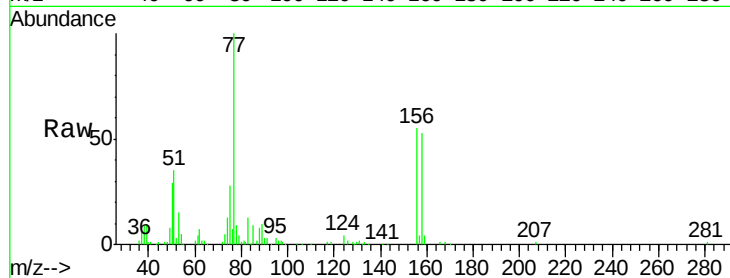
ClientSampleId :

VN0316WBS01

Tot Ion:	156	Resp:	47321
Ion	Ratio	Lower	Upper
156	100		
77	221.3	106.1	318.3
158	97.2	48.3	144.8

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#78

n-propylbenzene

Concen: 18.786 ug/l

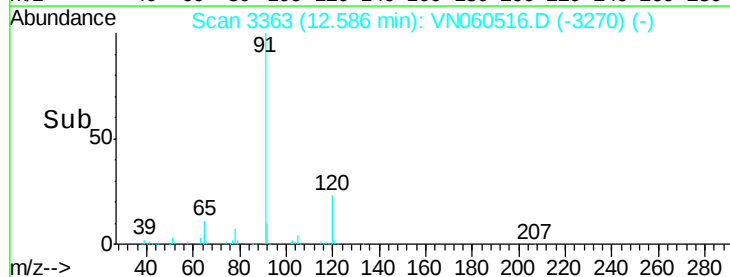
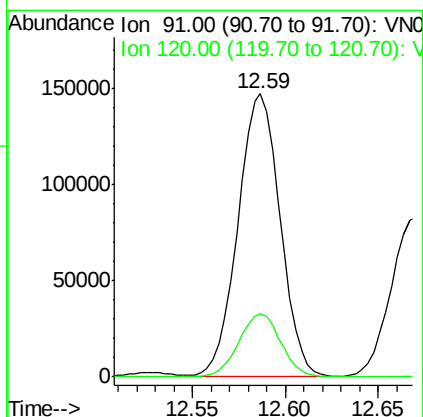
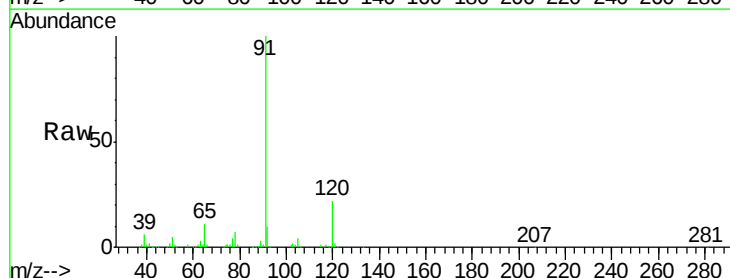
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	91	Resp:	231634
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.084 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBS01

Tot Ion: 91 Resp: 138317

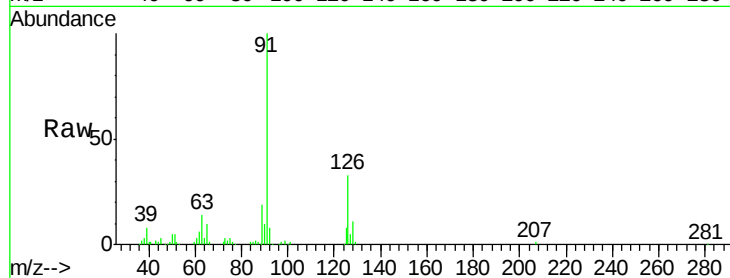
Ion Ratio Lower Upper

91 100

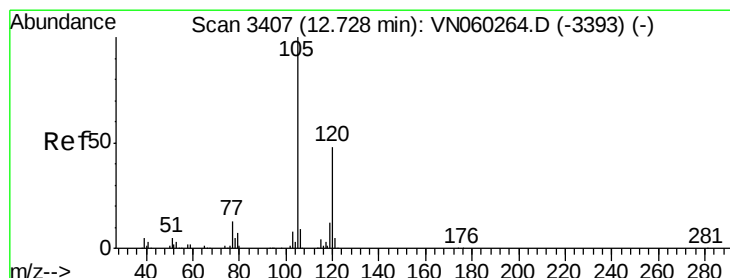
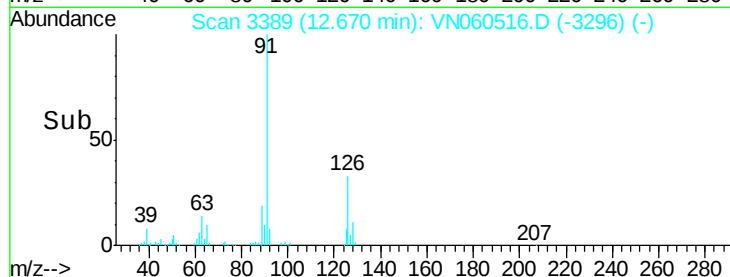
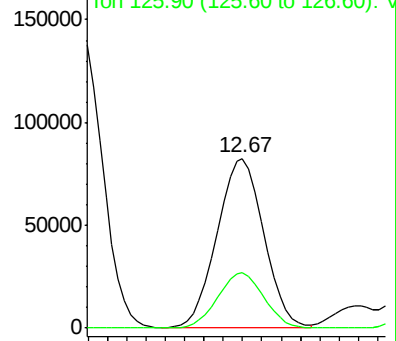
126 32.3 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN060516.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.832 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060516.D

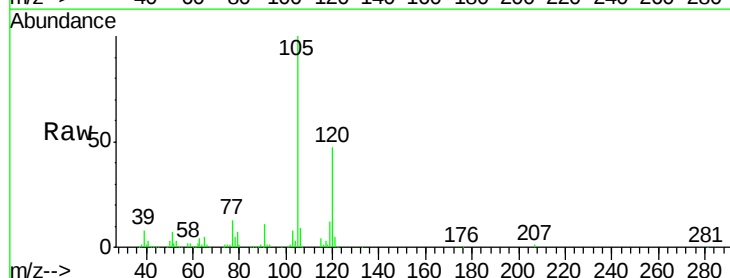
Acq: 16 Mar 2020 12:24

Tgt Ion: 105 Resp: 166784

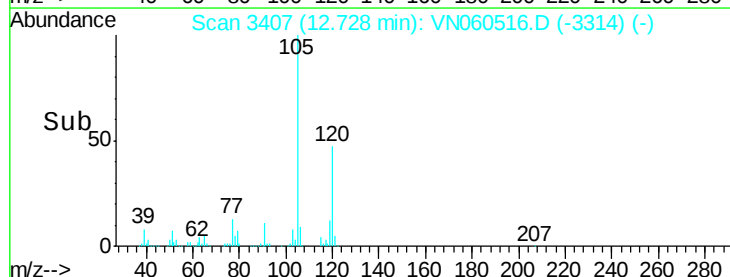
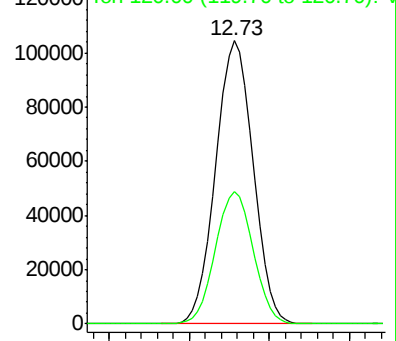
Ion Ratio Lower Upper

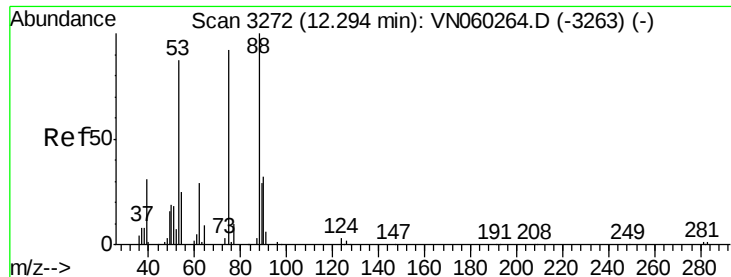
105 100

120 47.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060516.D (-3314) (-)





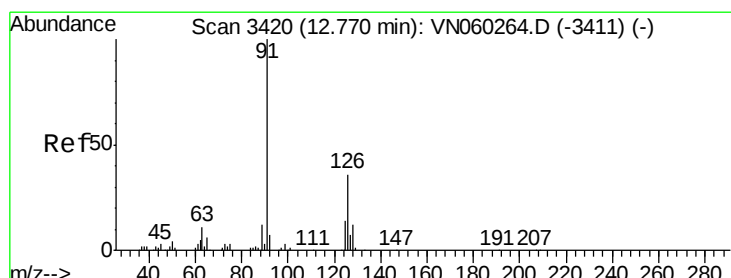
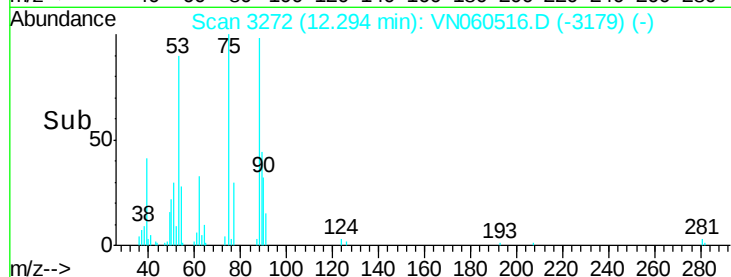
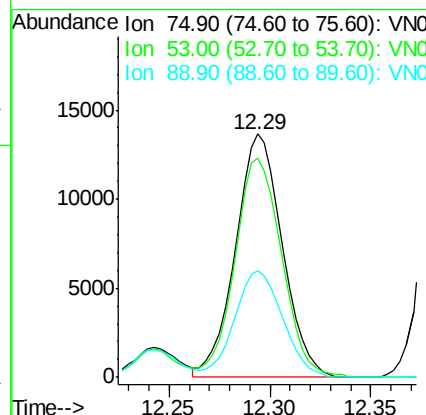
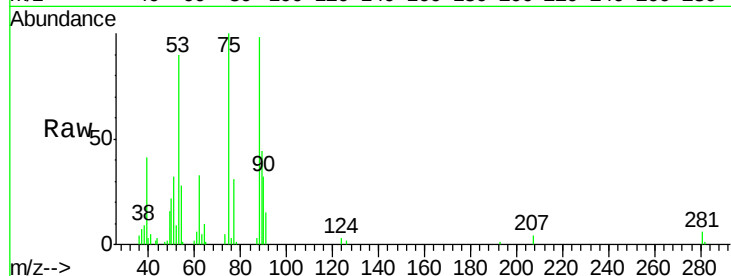
#81
trans-1,4-Dichloro-2-butene
Concen: 19.685 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.4	73.8	110.6
89	44.9	57.1	85.7#

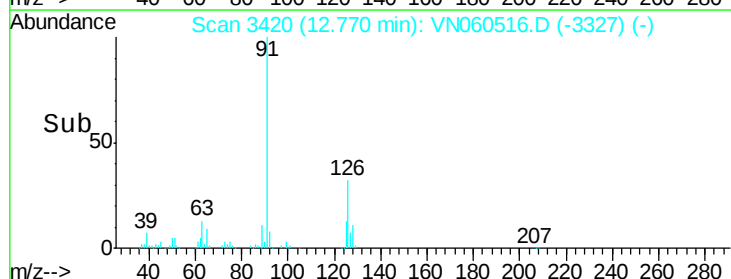
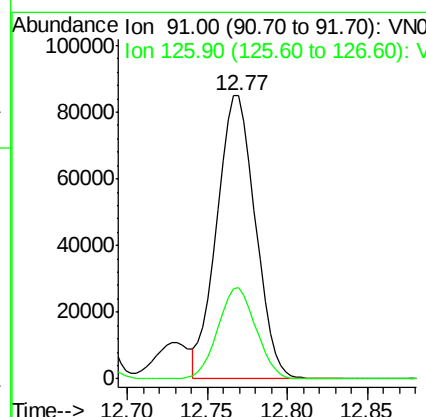
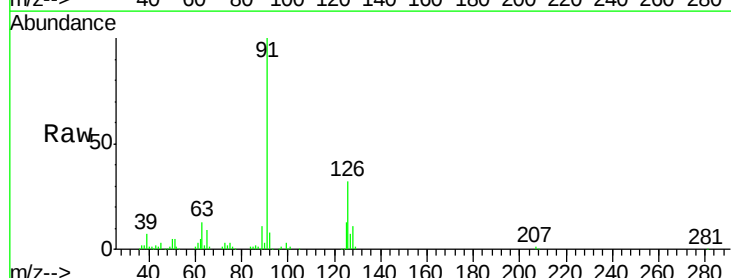
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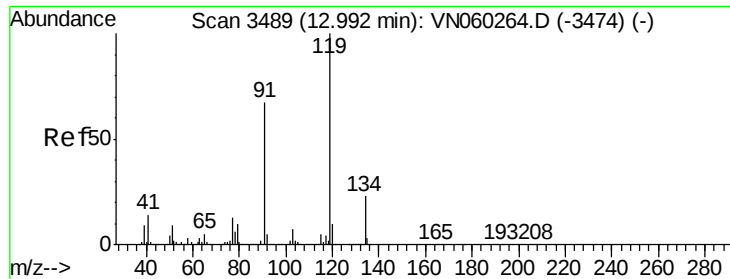
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#82
4-Chlorotoluene
Concen: 18.502 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.7	50.1





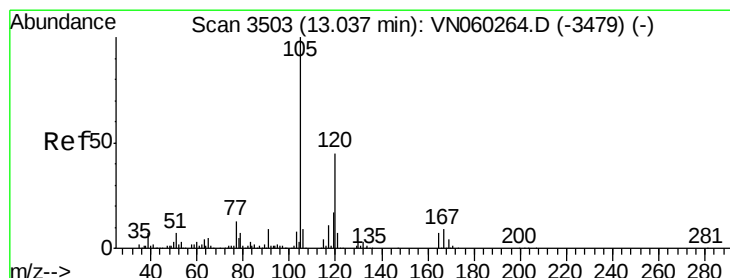
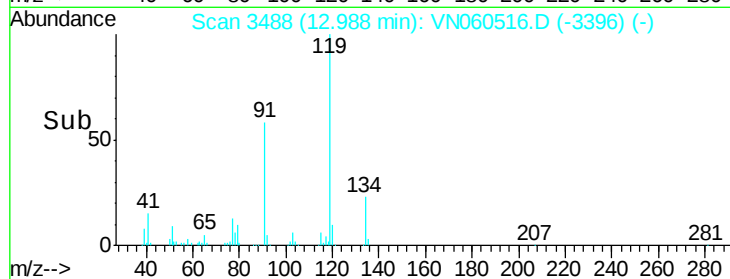
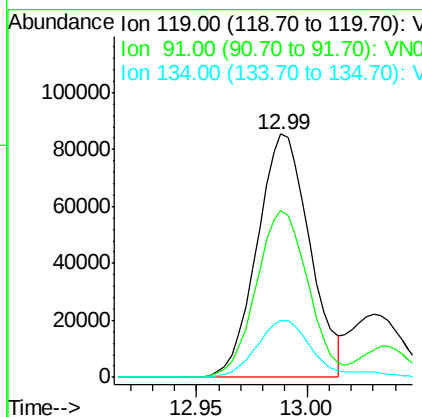
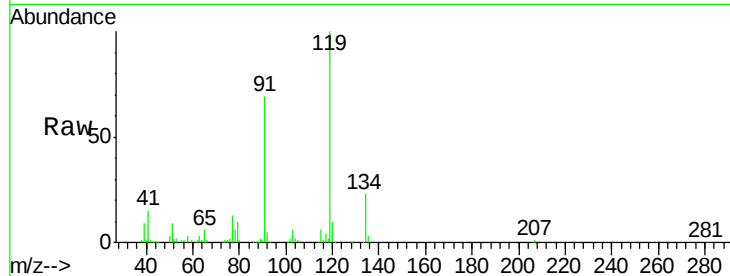
#83
tert-Butylbenzene
Concen: 18.439 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.1	99.2
134	25.3	12.4	37.0

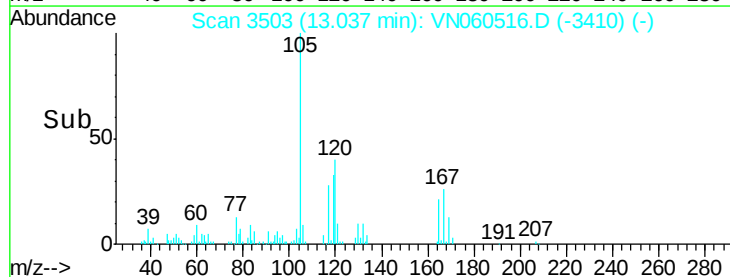
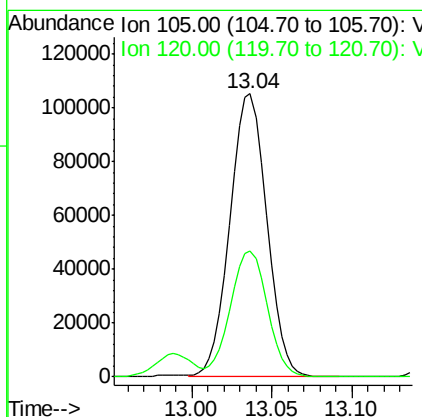
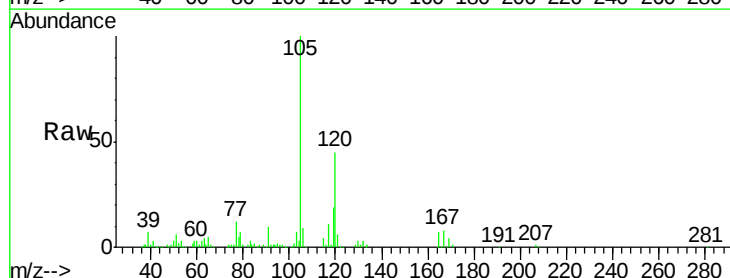
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#84
1,2,4-Trimethylbenzene
Concen: 18.515 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9





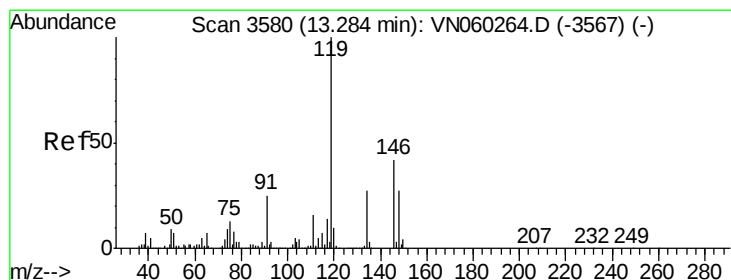
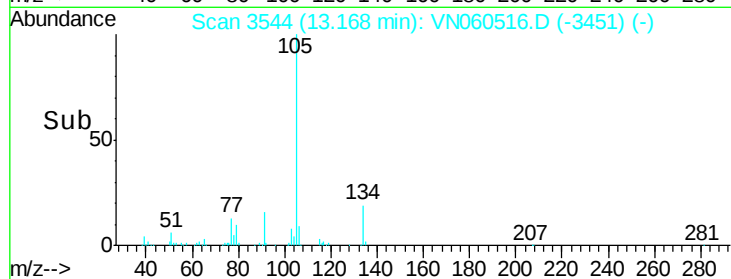
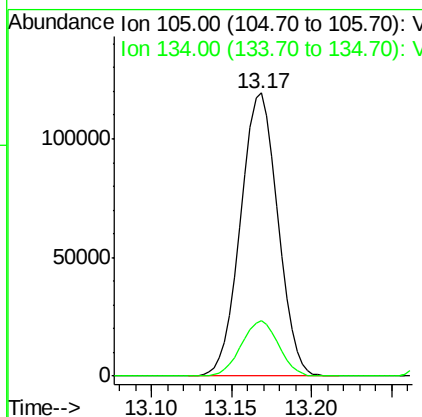
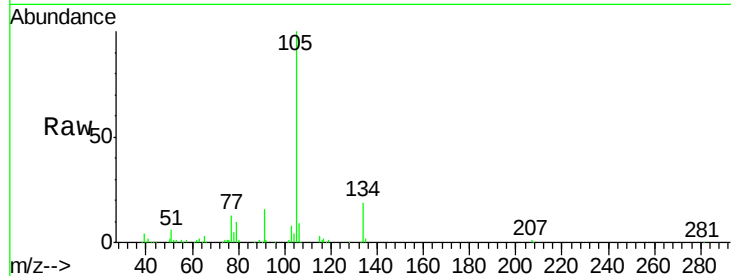
#85
 sec-Butylbenzene
 Concen: 18.422 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	189161		
134	19.5	9.8	29.5	

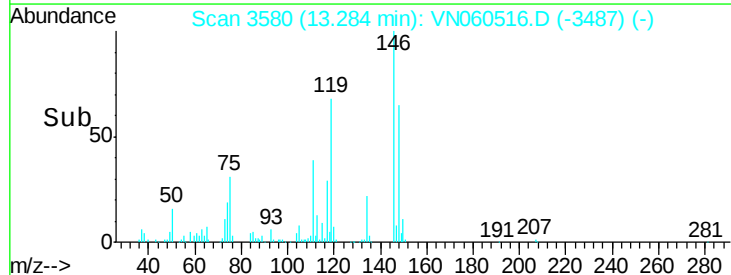
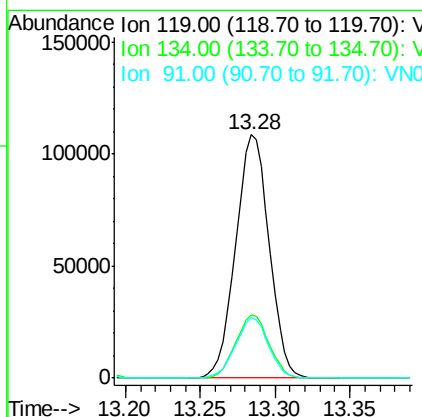
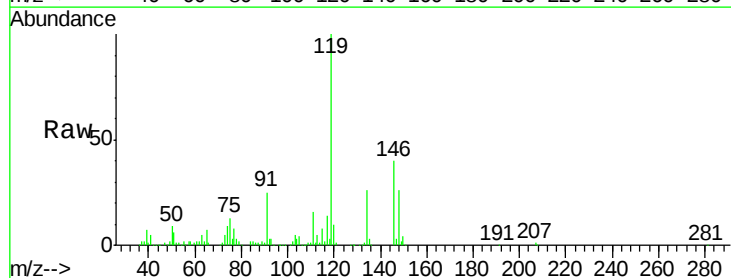
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#86
 p-Isopropyltoluene
 Concen: 17.784 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	169019		
134	25.9	13.2	39.6	
91	24.5	12.2	36.6	





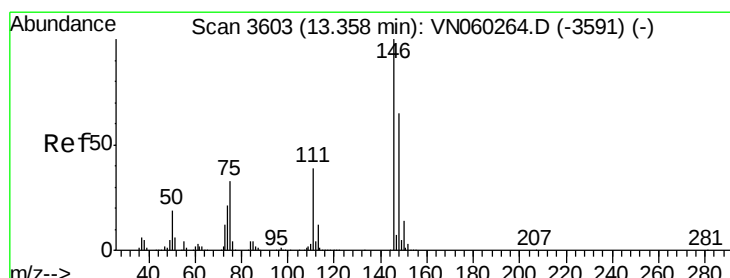
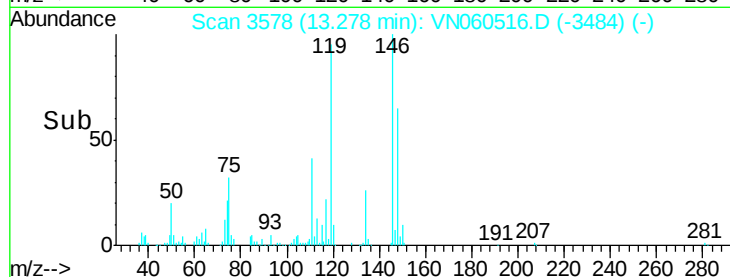
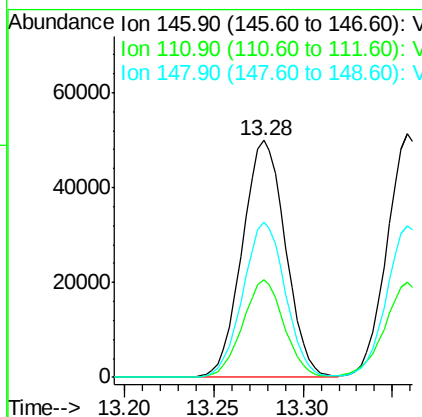
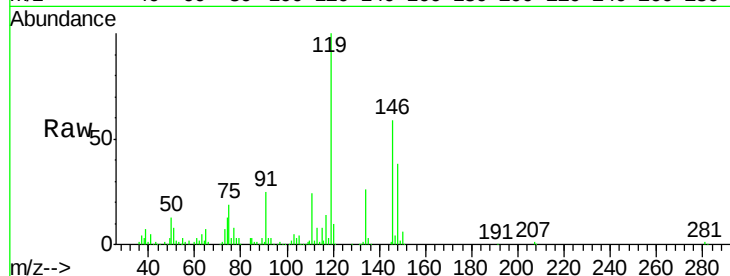
#87
 1,3-Dichlorobenzene
 Concen: 18.939 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0316WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.0	59.9
148	64.4	32.1	96.3

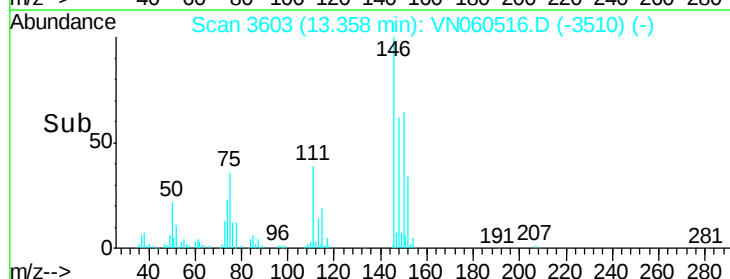
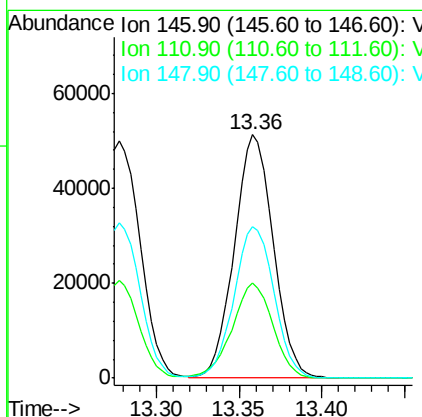
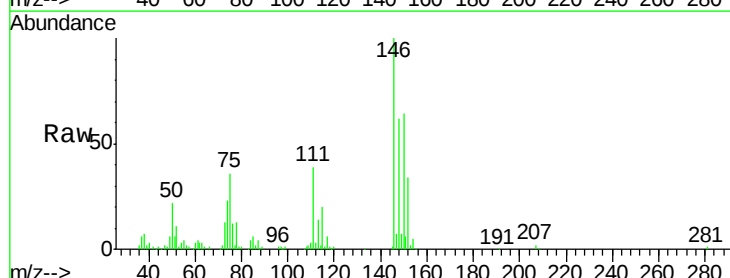
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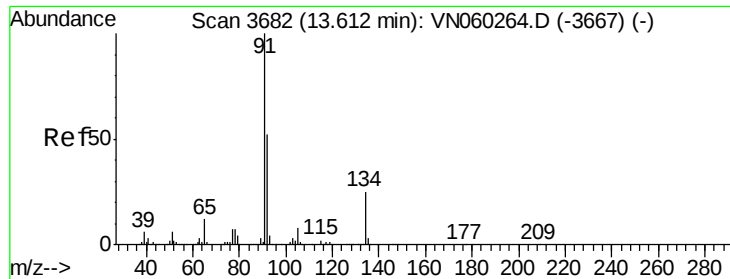
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#88
 1,4-Dichlorobenzene
 Concen: 18.814 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.4
148	63.9	32.3	96.9





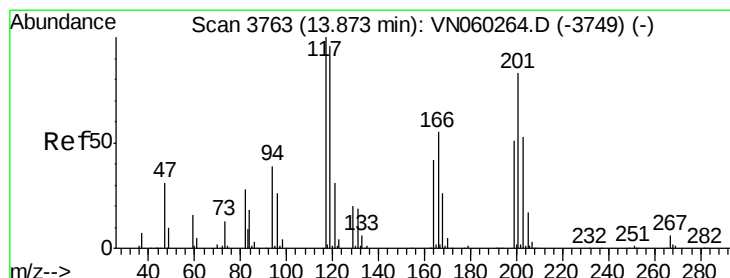
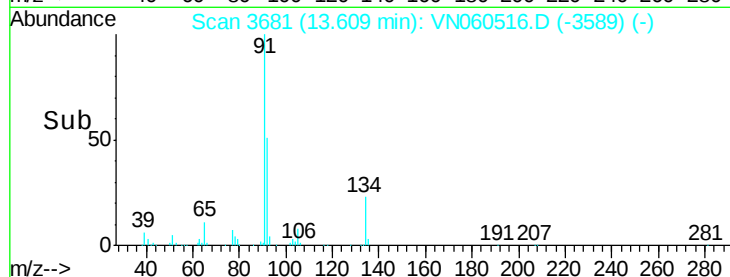
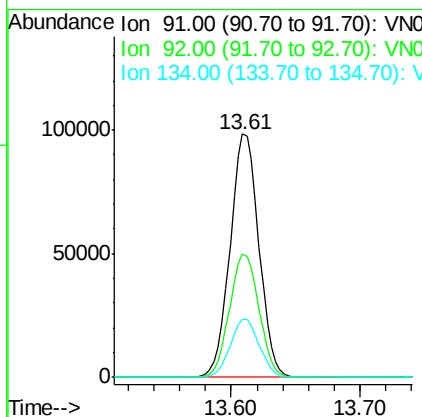
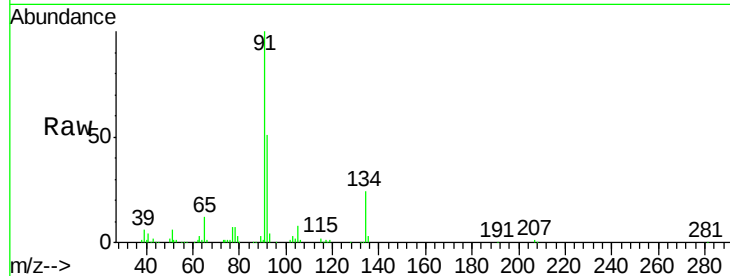
#89
n-Butylbenzene
Concen: 17.461 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.0	78.0
134	24.2	12.7	38.1

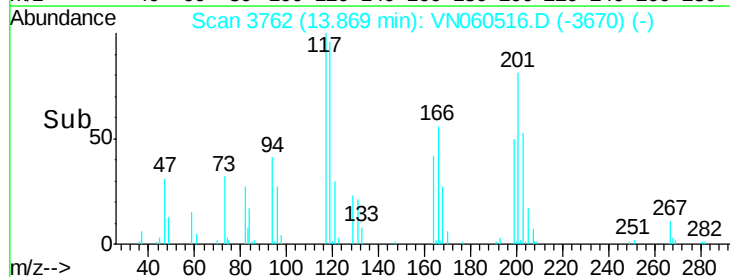
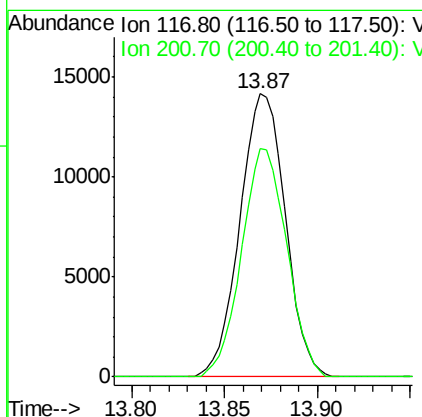
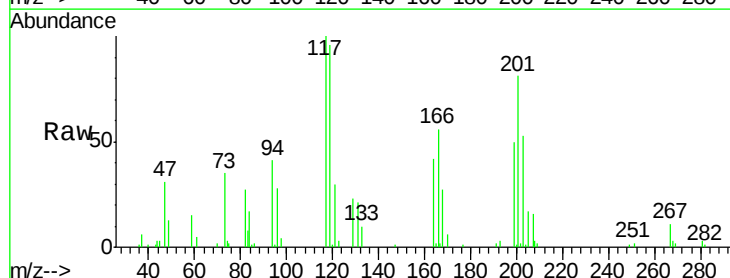
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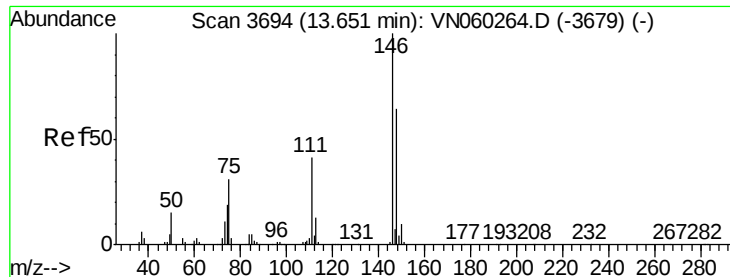
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#90
Hexachloroethane
Concen: 17.504 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.2	41.0	123.0





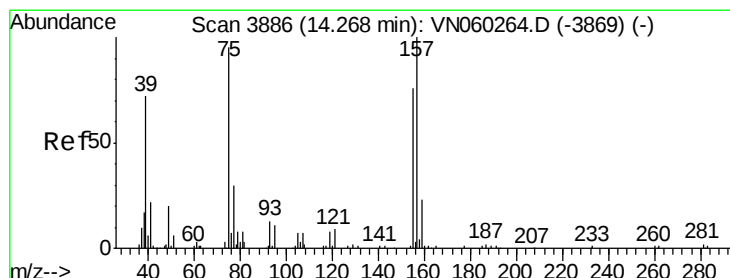
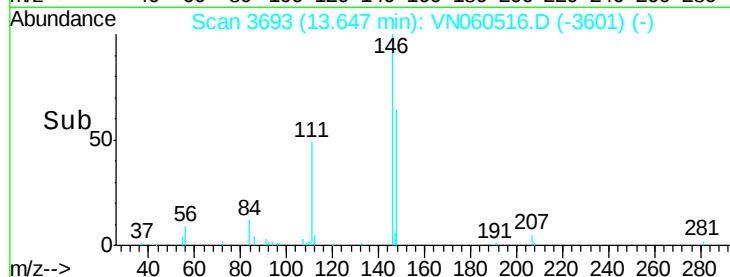
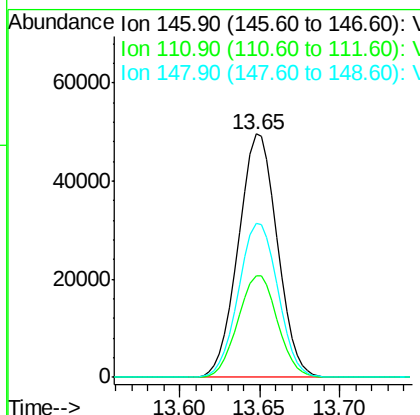
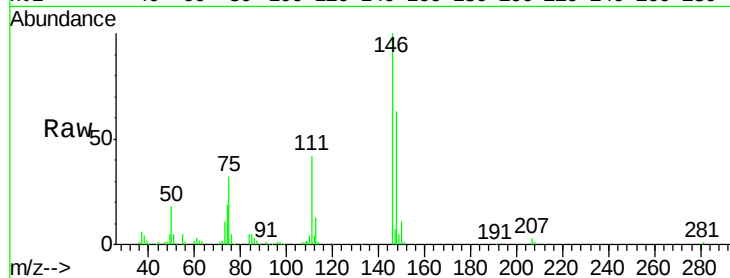
#91
 1,2-Dichlorobenzene
 Concen: 18.198 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.3	61.0
148	64.3	31.8	95.3

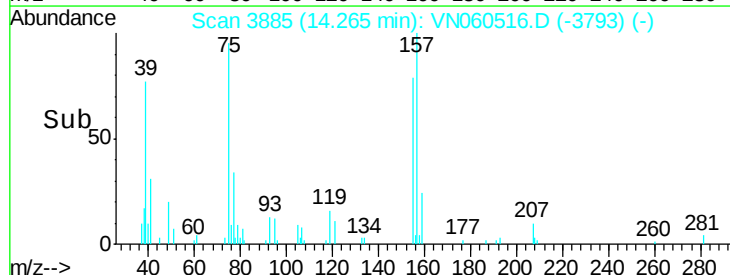
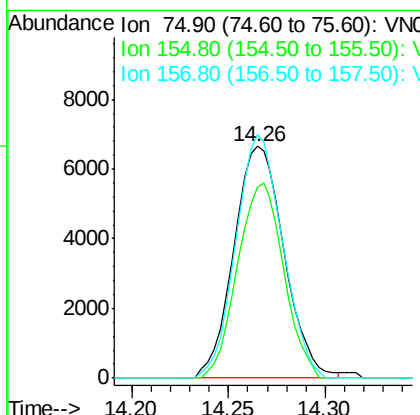
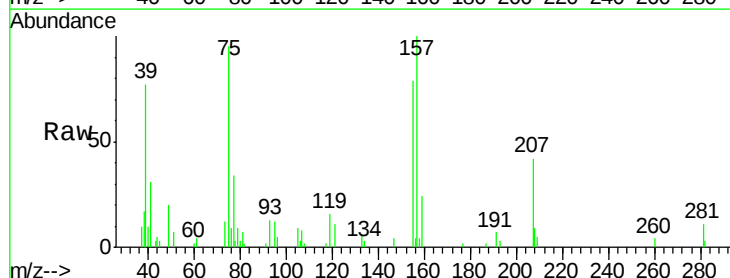
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.565 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060516.D
 Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.9	40.4	121.2
157	97.3	52.5	157.5





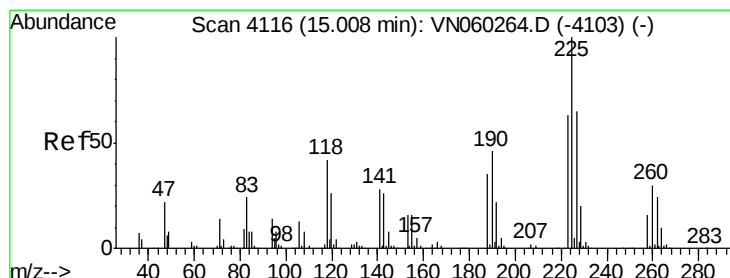
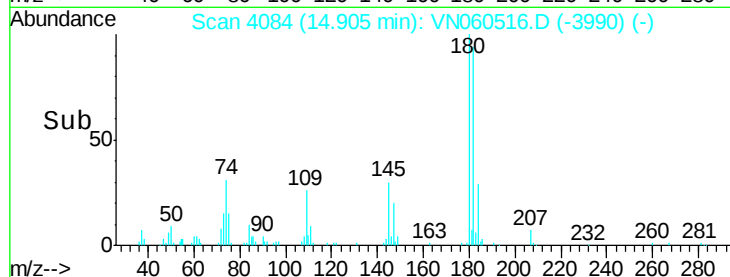
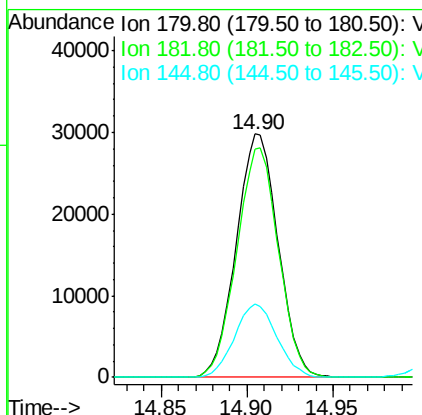
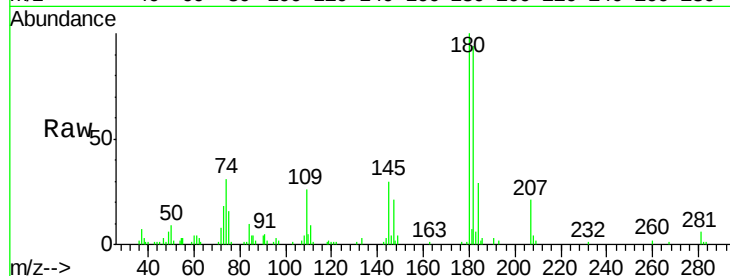
#93
1,2,4-Trichlorobenzene
Concen: 17.558 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Instrument :
MSVOA_N
ClientSampled :
VN0316WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.8	143.3
145	30.5	15.4	46.1

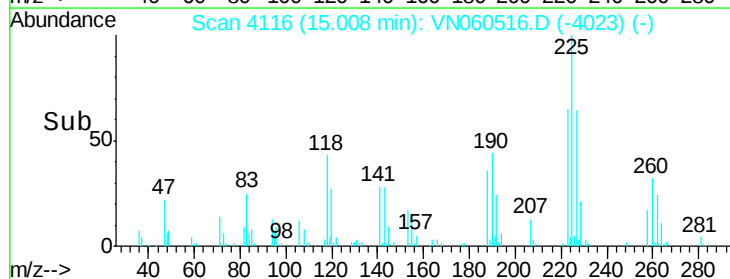
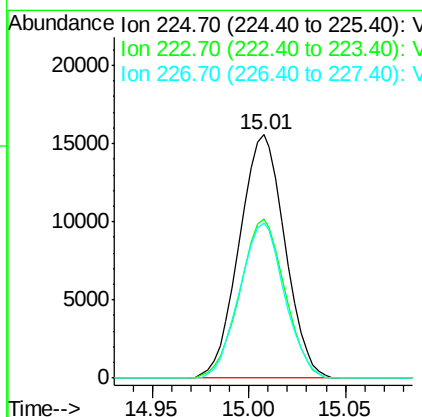
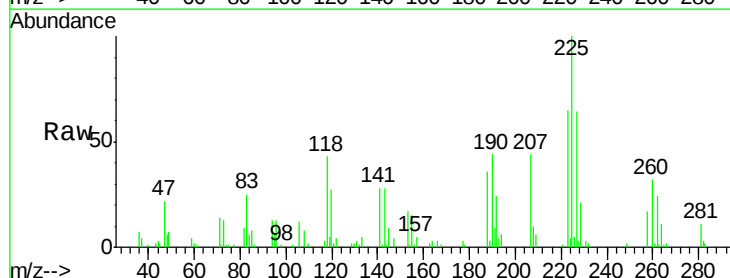
Manual Integrations
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#94
Hexachlorobutadiene
Concen: 18.973 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060516.D
Acq: 16 Mar 2020 12:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.3	93.9
227	62.8	32.3	96.9





#95

Naphthalene

Concen: 16.406 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Instrument :

MSVOA_N

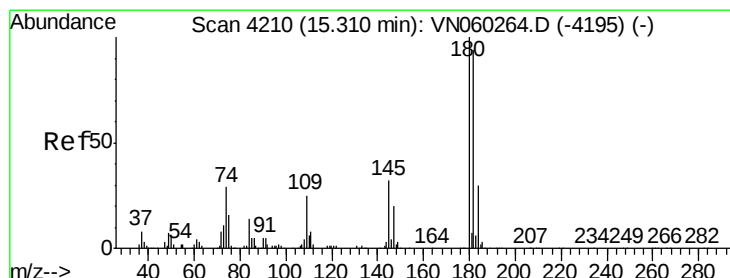
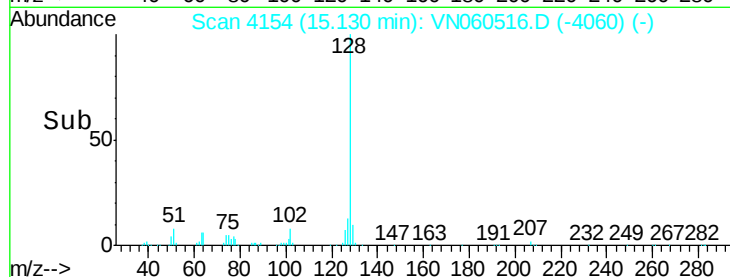
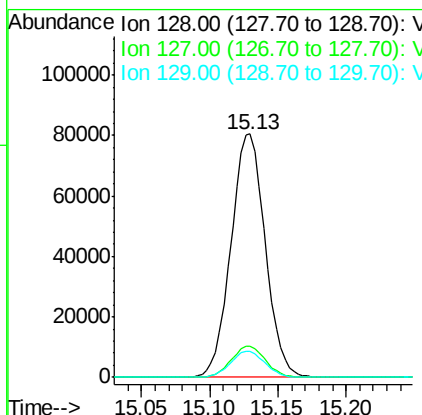
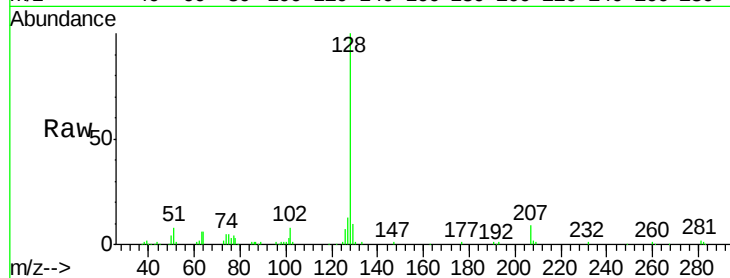
ClientSampleId :

VN0316WBS01

Tot Ion:	128	Resp:	140272
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/17/2020 11:48:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 17.201 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060516.D

Acq: 16 Mar 2020 12:24

Tgt Ion:	180	Resp:	46830
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	142.0
145	32.6	16.2	48.5

