

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032520\
 Data File : VN060689.D
 Acq On : 25 Mar 2020 12:12
 Operator : JC/MD
 Sample : VN0325WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Manual Integrations
 APPROVED

apatel
 3/26/2020 11:00:12 AM

Quant Time: Mar 26 04:38:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	321308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139102	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	140013	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.56	113	103741	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
50) Toluene-d8	10.08	98	416925	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.39	95	150242	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	36472	19.304	ug/l	97
3) Chloromethane	2.04	50	63003	17.855	ug/l	100
4) Vinyl Chloride	2.17	62	48588	17.605	ug/l	98
5) Bromomethane	2.55	94	24410	20.488	ug/l	98
6) Chloroethane	2.69	64	30349	19.089	ug/l	99
7) Trichlorofluoromethane	3.00	101	63853	18.781	ug/l	98
8) Diethyl Ether	3.38	74	27386	20.051	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	39655	20.129	ug/l	99
10) Methyl Iodide	3.92	142	34890	19.903	ug/l	98
11) Tert butyl alcohol	4.72	59	37708	95.654	ug/l	98
12) 1,1-Dichloroethene	3.72	96	39299	18.589	ug/l	98
13) Acrolein	3.57	56	37893	86.731	ug/l	98
14) Allyl chloride	4.29	41	68407	18.398	ug/l	100
15) Acrylonitrile	4.94	53	110431	95.263	ug/l	99
16) Acetone	3.78	43	107314	113.024	ug/l	99
17) Carbon Disulfide	4.03	76	117933	18.343	ug/l	100
18) Methyl Acetate	4.28	43	51817	19.389	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	135506	18.643	ug/l	98
20) Methylene Chloride	4.52	84	44429	19.022	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	42542	18.881	ug/l	95
22) Diisopropyl ether	5.91	45	154117	19.619	ug/l	99
23) Vinyl Acetate	5.86	43	627086	97.840	ug/l	99
24) 1,1-Dichloroethane	5.81	63	82787	19.332	ug/l	99
25) 2-Butanone	6.80	43	150674	98.068	ug/l	100
26) 2,2-Dichloropropane	6.79	77	71857	21.327	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	48036	18.761	ug/l	97
28) Bromochloromethane	7.17	49	41956	20.478	ug/l	100
29) Tetrahydrofuran	7.18	42	99969	91.961	ug/l	100
30) Chloroform	7.34	83	78820	19.200	ug/l	99
31) Cyclohexane	7.63	56	81246	18.819	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	67053	18.947	ug/l	98
36) 1,1-Dichloropropene	7.77	75	60536	19.457	ug/l	99
37) Ethyl Acetate	6.89	43	63428	18.867	ug/l	99
38) Carbon Tetrachloride	7.75	117	52837	18.948	ug/l	98

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

39) Methylcyclohexane	9.06	83	72665	19.653	ug/l	100
40) Benzene	8.02	78	184045	19.596	ug/l	100
41) Methacrylonitrile	7.14	41	27285	19.018	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	63945	19.922	ug/l	99
43) Isopropyl Acetate	8.14	43	105830	19.088	ug/l	100
44) Trichloroethene	8.81	130	47013	19.856	ug/l	95
45) 1,2-Dichloropropane	9.10	63	50177	20.247	ug/l	97
46) Dibromomethane	9.19	93	29485	19.679	ug/l	100
47) Bromodichloromethane	9.38	83	61235	19.668	ug/l	99
48) Methyl methacrylate	9.18	41	46053	18.657	ug/l	98
49) 1,4-Dioxane	9.18	88	14110	480.907	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	305941	96.973	ug/l	99
52) Toluene	10.14	92	110064	19.404	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	70630	19.749	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	78089	19.903	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	42820	19.623	ug/l	99
56) Ethyl methacrylate	10.42	69	64448	18.941	ug/l	98
57) 1,3-Dichloropropane	10.70	76	74701	19.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151357	89.503	ug/l	100
59) 2-Hexanone	10.74	43	222399	97.859	ug/l	100
60) Dibromochloromethane	10.89	129	44475	19.731	ug/l	99
61) 1,2-Dibromoethane	10.99	107	43211	19.692	ug/l	99
64) Tetrachloroethene	10.62	164	44079	19.100	ug/l	98
65) Chlorobenzene	11.42	112	112515	19.353	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	40358	19.172	ug/l	99
67) Ethyl Benzene	11.50	91	209701	19.396	ug/l	99
68) m/p-Xylenes	11.61	106	155642	38.739	ug/l	99
69) o-Xylene	11.94	106	74667	19.468	ug/l	99
70) Styrene	11.96	104	119382	19.032	ug/l	99
71) Bromoform	12.12	173	30639	18.604	ug/l #	100
73) Isopropylbenzene	12.24	105	199128	19.075	ug/l	100
74) N-amyl acetate	12.06	43	89440	18.542	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	60871	19.282	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	54247m	18.073	ug/l	
77) Bromobenzene	12.52	156	47901	19.043	ug/l	99
78) n-propylbenzene	12.59	91	235107	19.063	ug/l	99
79) 2-Chlorotoluene	12.67	91	137507	18.660	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165995	18.738	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	21810	18.662	ug/l	98
82) 4-Chlorotoluene	12.77	91	144424	19.243	ug/l	99
83) tert-Butylbenzene	12.99	119	140254	19.099	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	166678	19.018	ug/l	99
85) sec-Butylbenzene	13.17	105	187755	19.013	ug/l	100
86) p-Isopropyltoluene	13.28	119	169128	19.046	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	85785	19.336	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	85079	19.087	ug/l	98
89) n-Butylbenzene	13.61	91	151615	18.911	ug/l	100
90) Hexachloroethane	13.87	117	24985	19.357	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	83004	19.566	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12093	18.118	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	49797	19.115	ug/l	99
94) Hexachlorobutadiene	15.01	225	24285	19.016	ug/l	100
95) Naphthalene	15.13	128	146626	18.713	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47828	18.639	ug/l	100

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

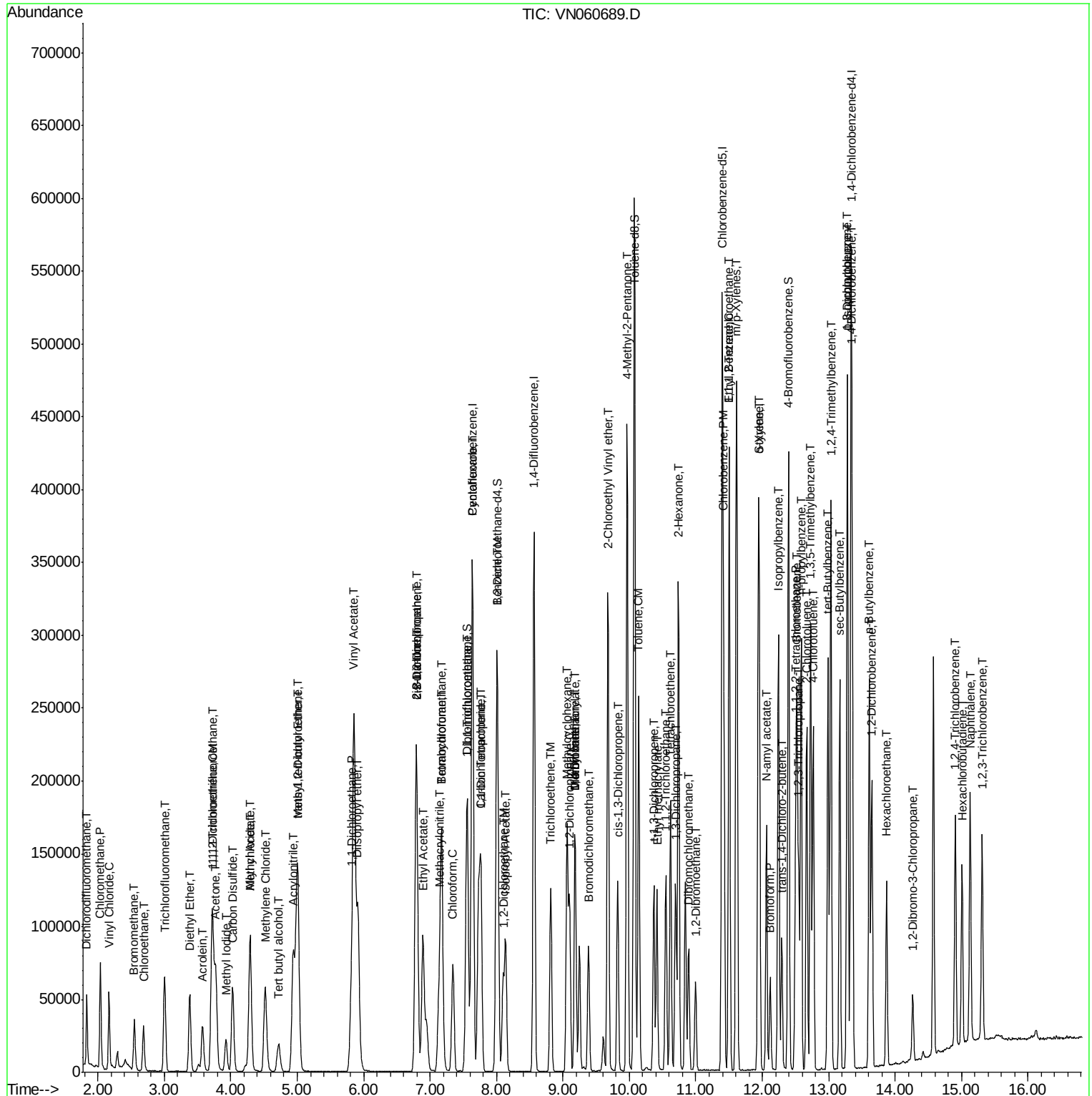
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Data File : VN060689.D
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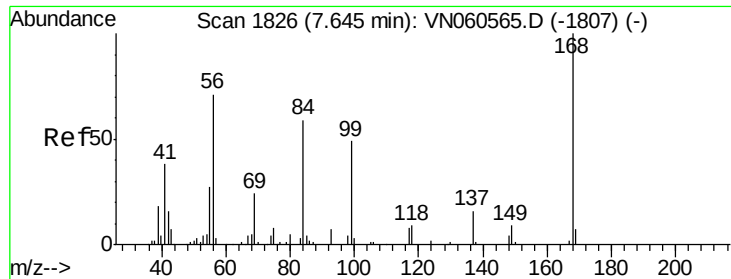
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion:168 Resp: 195260

Ion Ratio Lower Upper

168 100

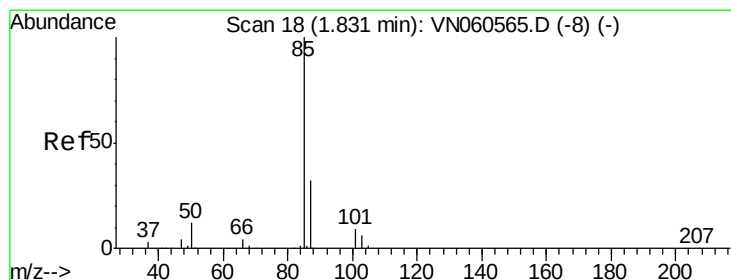
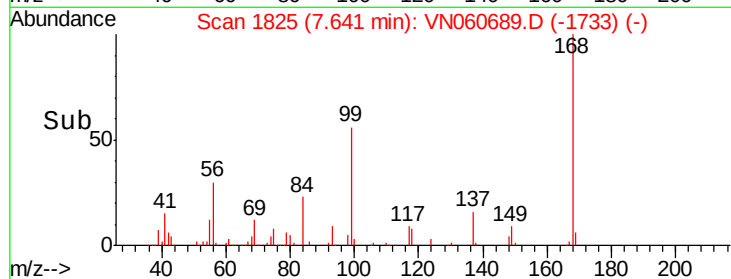
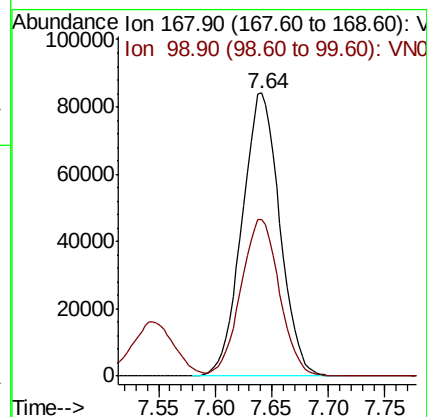
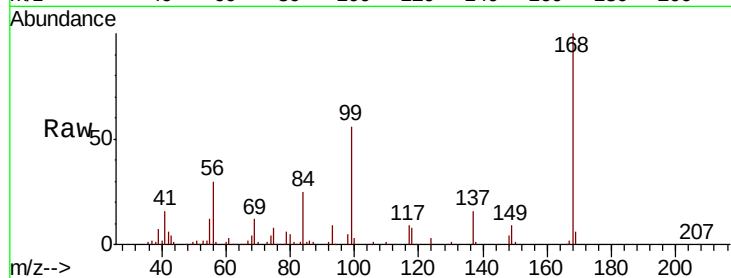
99 55.6 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.304 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060689.D

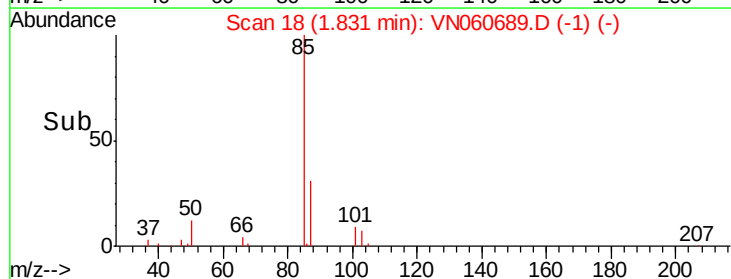
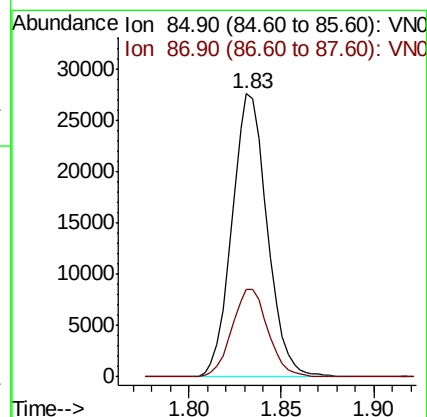
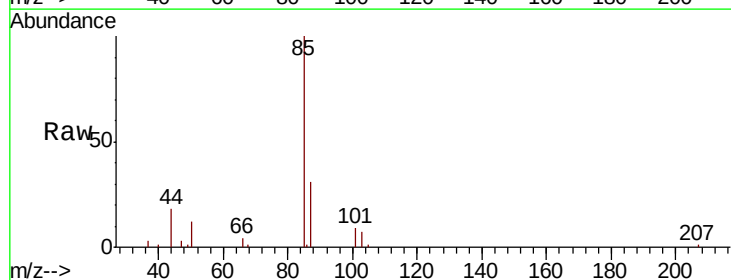
Acq: 25 Mar 2020 12:12

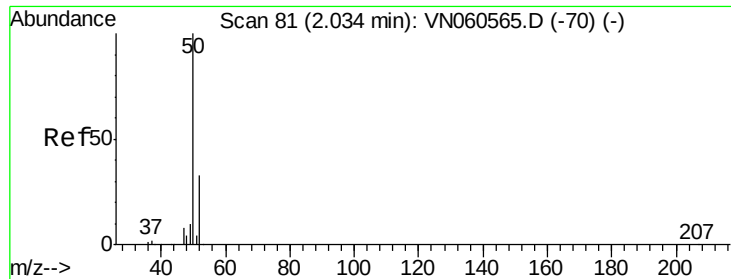
Tgt Ion: 85 Resp: 36472

Ion Ratio Lower Upper

85 100

87 30.7 16.2 48.5





#3

Chloromethane

Concen: 17.855 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 50 Resp: 63003

Ion Ratio Lower Upper

50 100

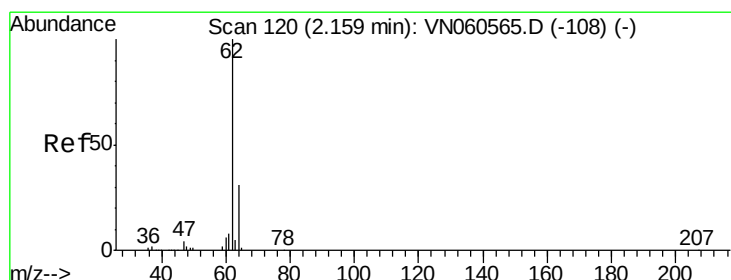
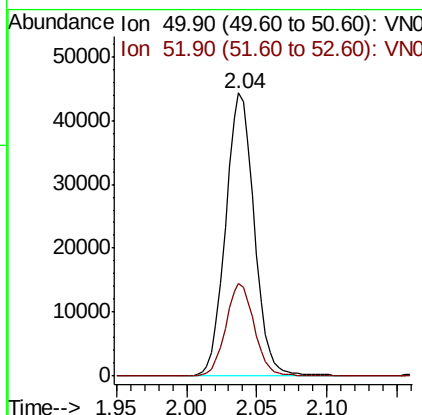
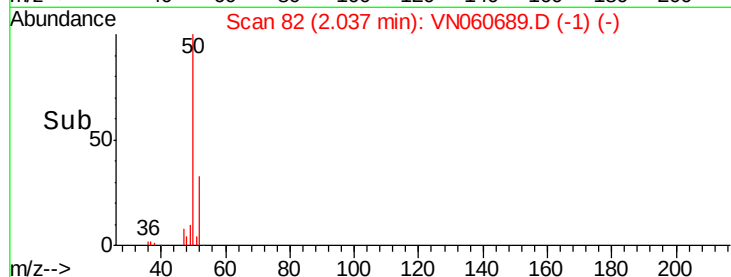
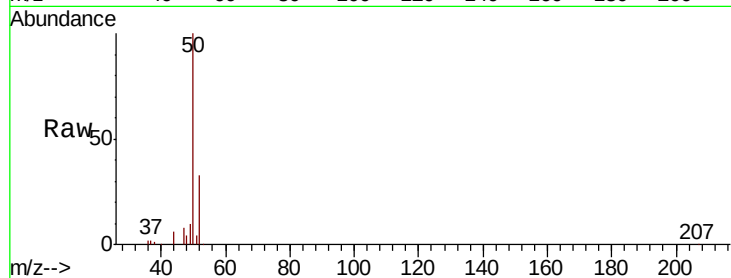
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.605 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN060689.D

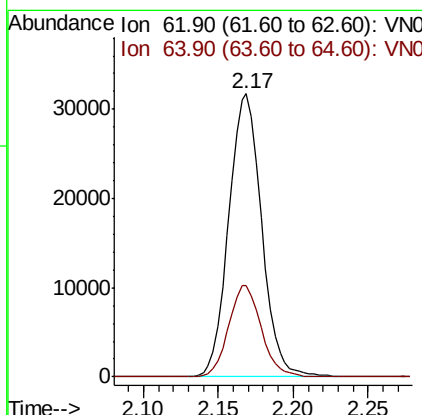
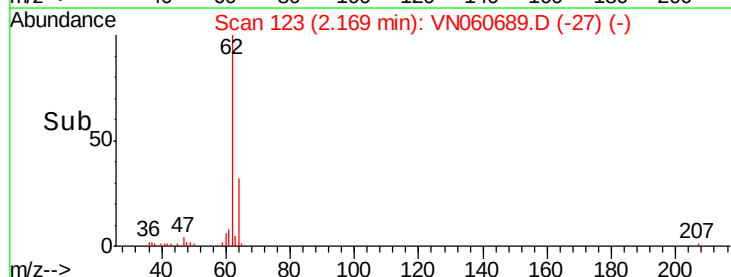
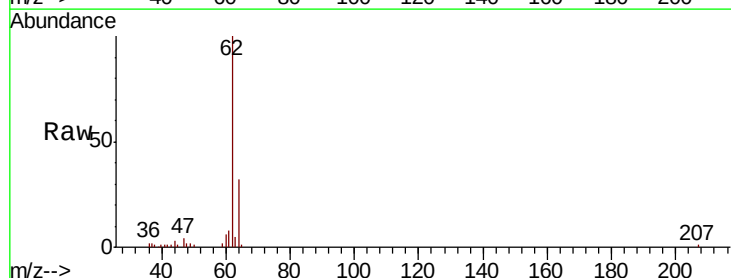
Acq: 25 Mar 2020 12:12

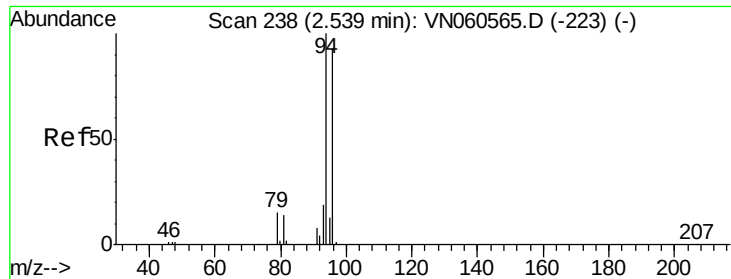
Tgt Ion: 62 Resp: 48588

Ion Ratio Lower Upper

62 100

64 32.1 24.7 37.1





#5

Bromomethane

Concen: 20.488 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 24410

Ion Ratio Lower Upper

94 100

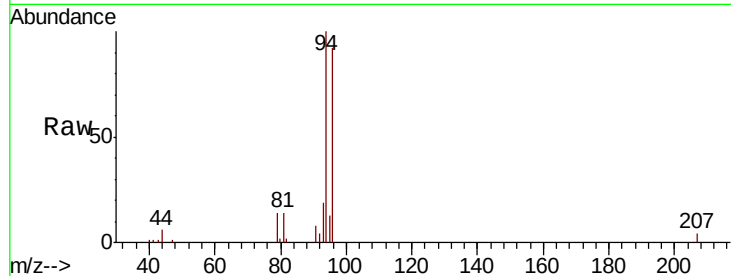
96 91.8 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VN060565.D (-223) (-)

Ion 95.90 (95.60 to 96.60): VN060565.D (-223) (-)

15000

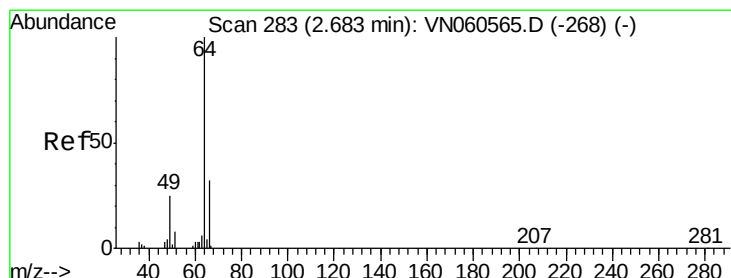
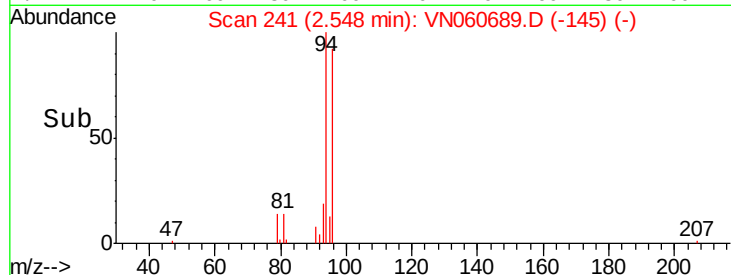
2.55

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.089 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060689.D

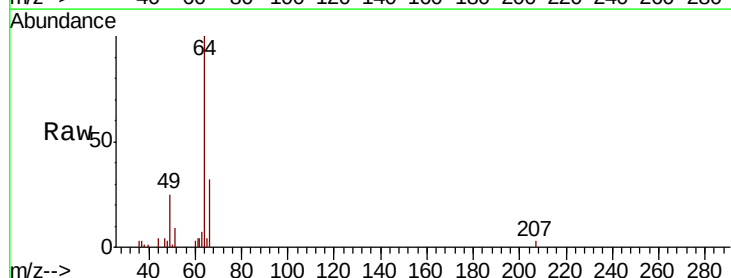
Acq: 25 Mar 2020 12:12

Tgt Ion: 64 Resp: 30349

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060565.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN060565.D (-268) (-)

15000

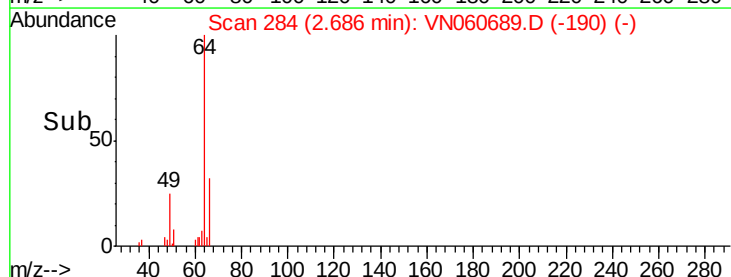
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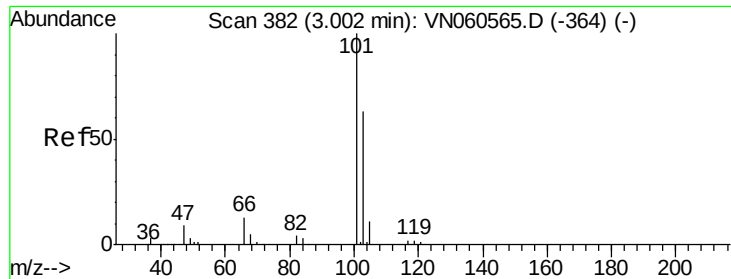
10000

5000

0

Time-->





#7

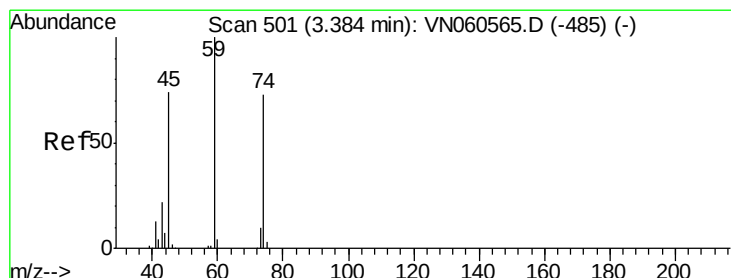
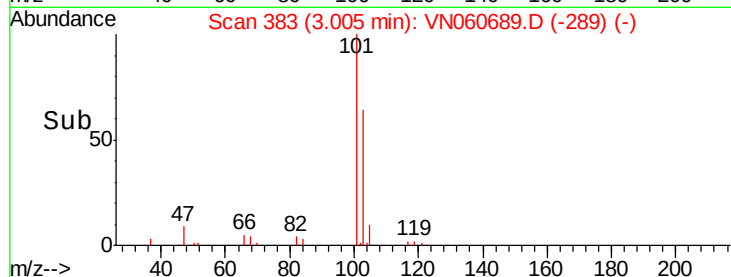
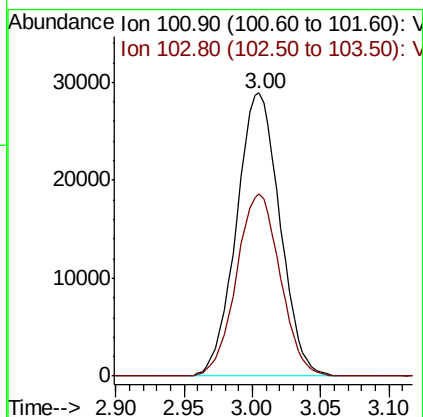
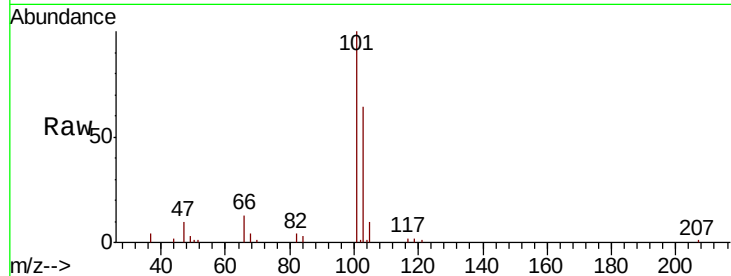
Trichlorofluoromethane
 Concen: 18.781 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	63853		
103	64.5	50.6	76.0		

Manual Integrations
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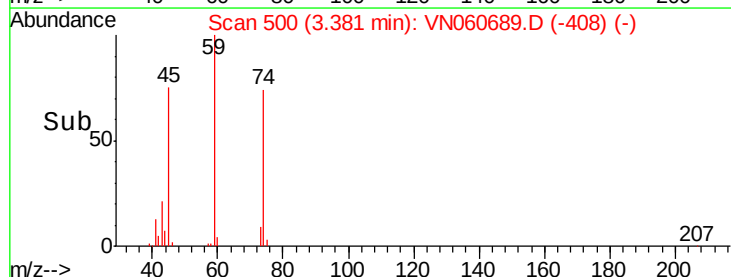
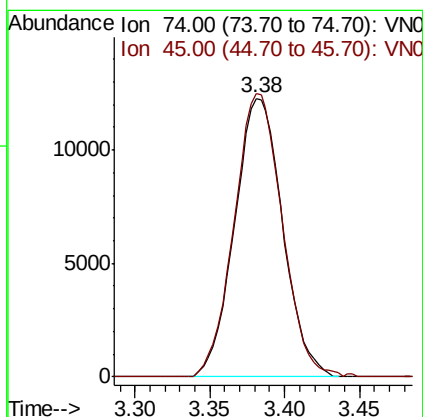
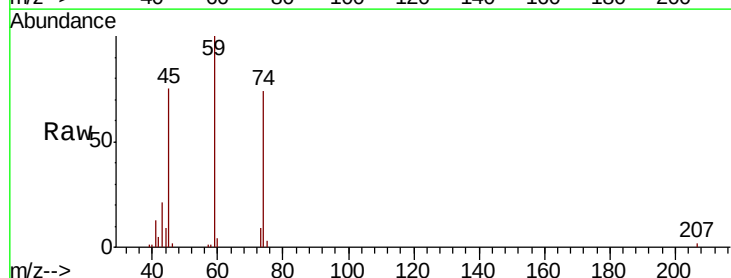
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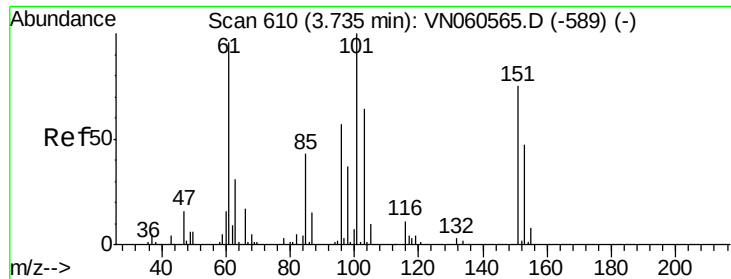


#8

Diethyl Ether
 Concen: 20.051 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	27386		
45	101.9	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.129 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060689.D

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MSVOA_N

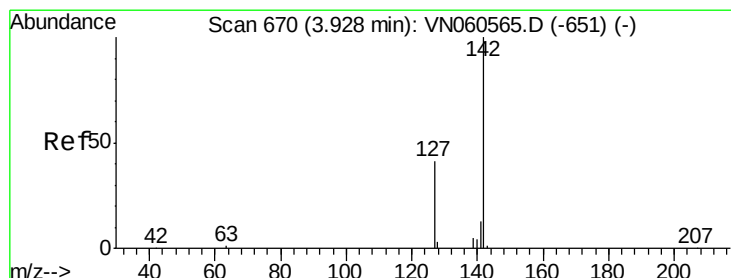
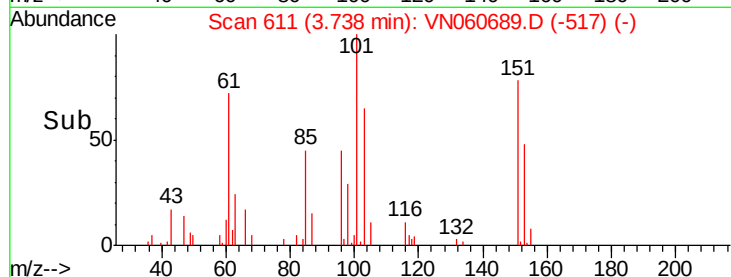
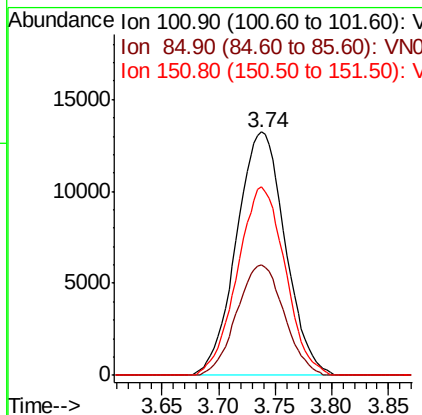
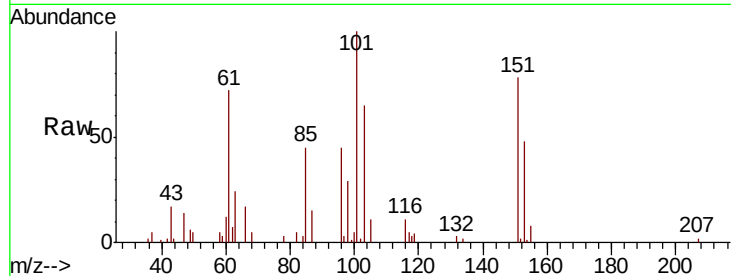
ClientSampled :

VN0325WBS01

Tot Ion:	101	Resp:	39655
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	75.8	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.903 ug/l

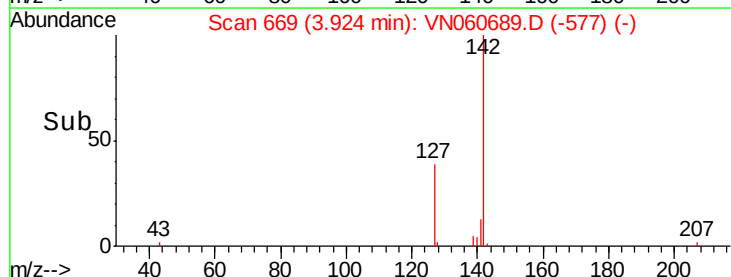
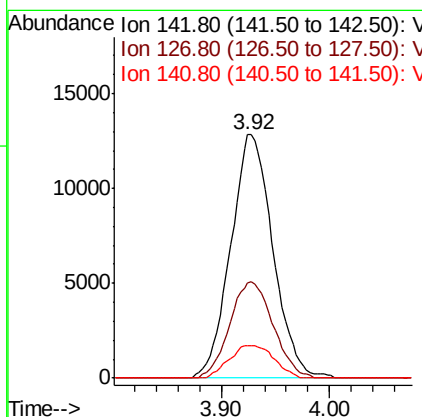
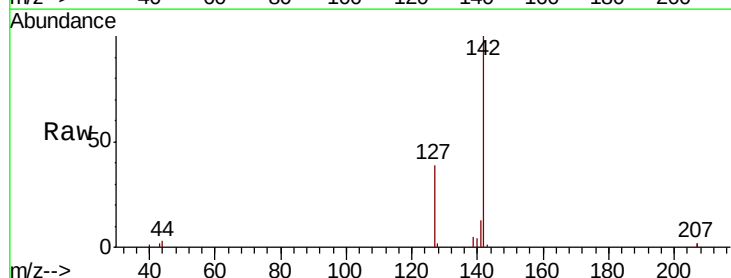
RT: 3.92 min Scan# 669

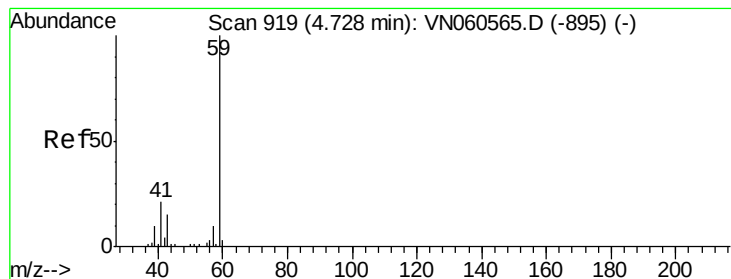
Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	142	Resp:	34890
Ion Ratio	Lower	Upper	
142	100		
127	40.6	33.5	50.3
141	14.2	11.0	16.6





#11

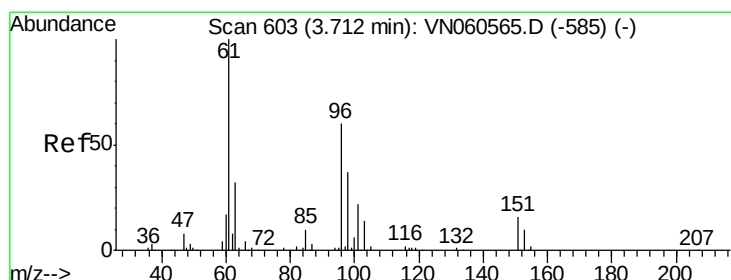
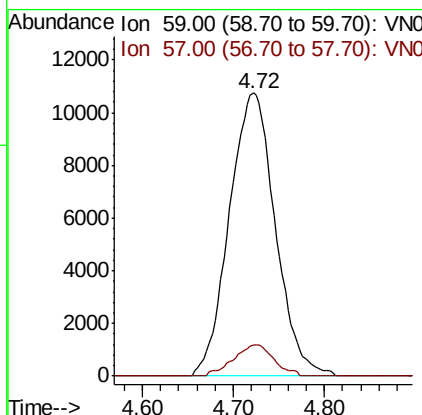
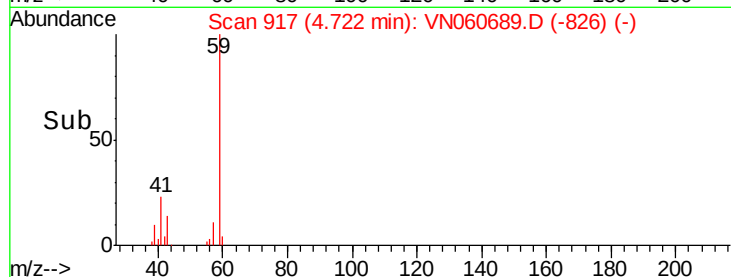
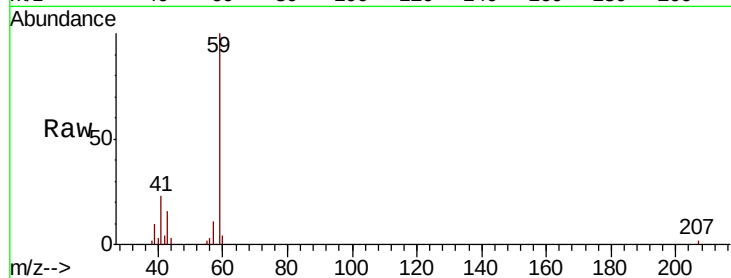
Tert butyl alcohol
Concen: 95.654 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	37708
Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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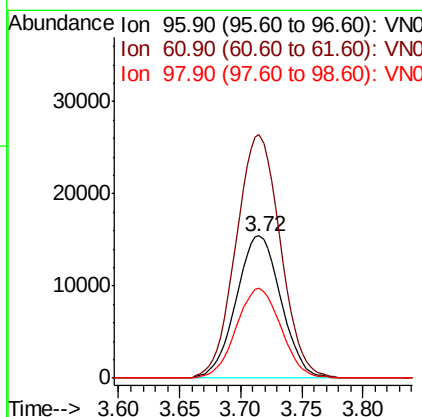
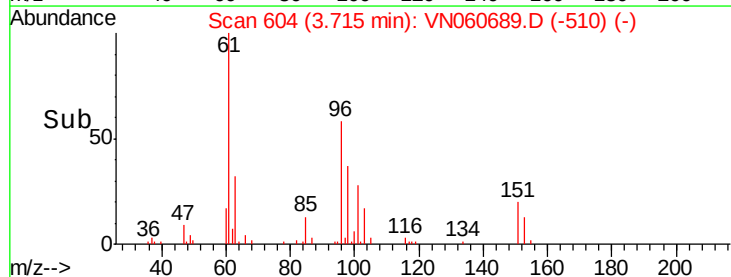
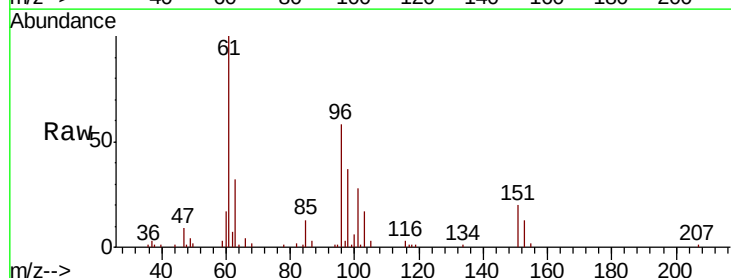
apatel
3/26/2020 11:00:12 AM

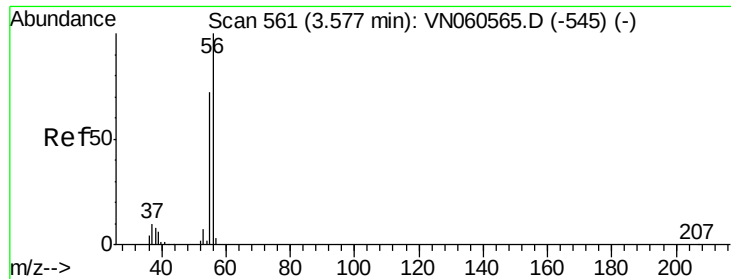


#12

1,1-Dichloroethene
Concen: 18.589 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	96	Resp	39299
Ion	Ratio	Lower	Upper
96	100		
61	171.0	134.1	201.1
98	62.9	49.9	74.9





#13

Acrolein

Concen: 86.731 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 56 Resp: 37893

Ion Ratio Lower Upper

56 100

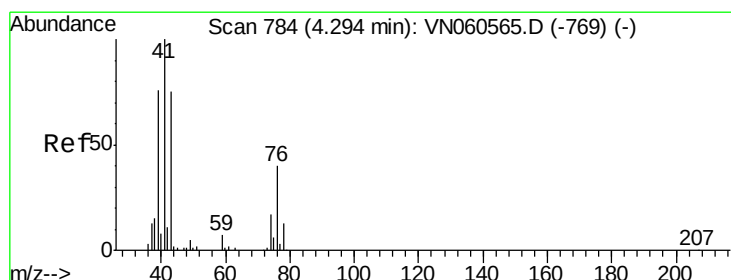
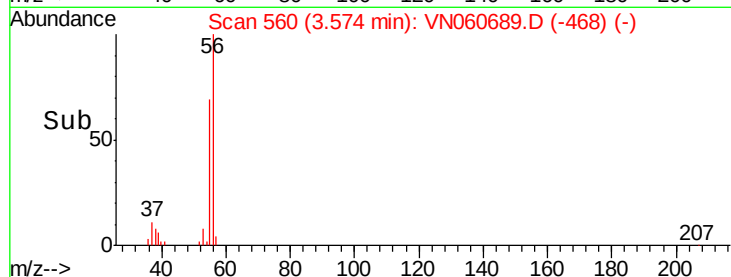
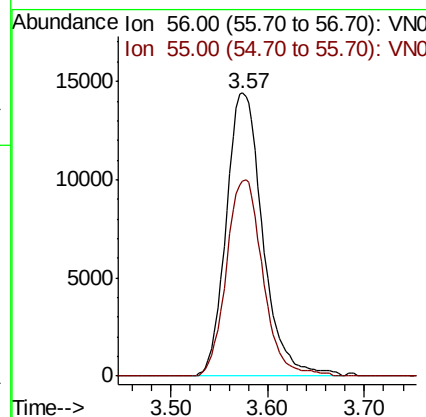
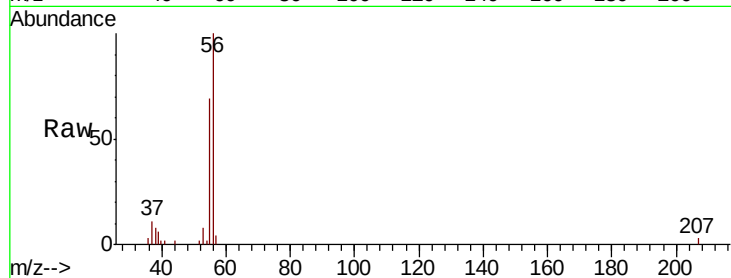
55 69.3 56.7 85.1

Manual Integrations

APPROVED

apatel

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#14

Allyl chloride

Concen: 18.398 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

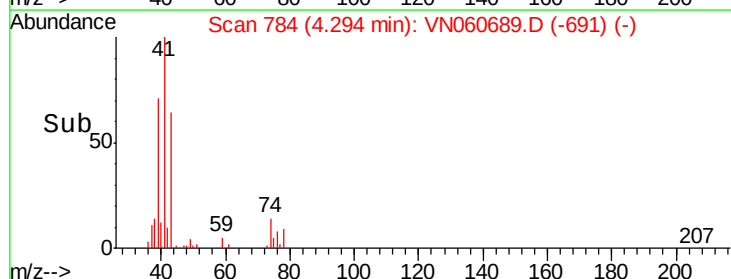
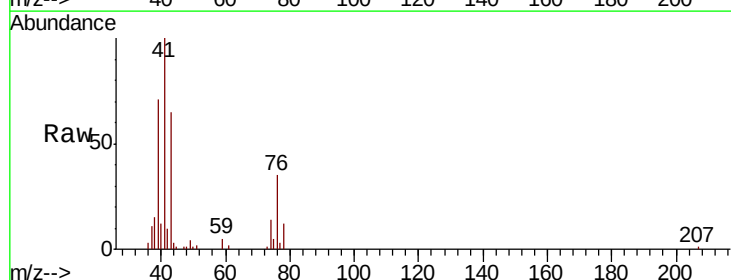
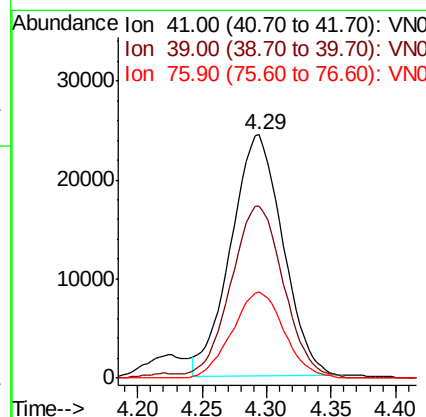
Tgt Ion: 41 Resp: 68407

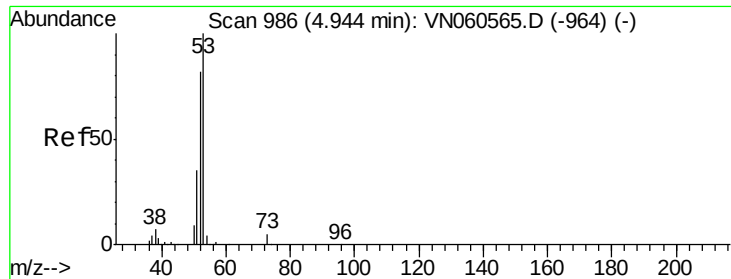
Ion Ratio Lower Upper

41 100

39 72.6 57.8 86.8

76 35.7 28.6 43.0





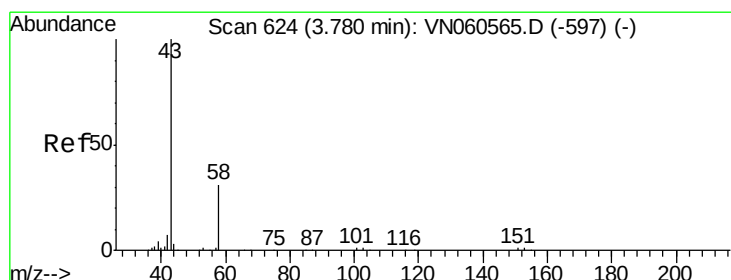
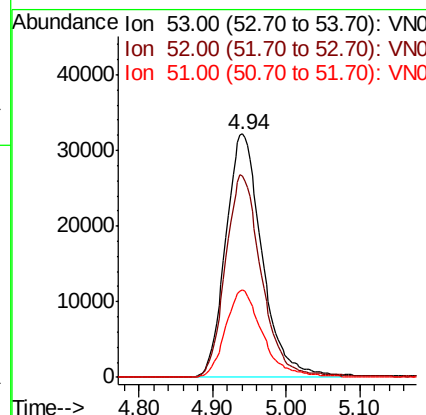
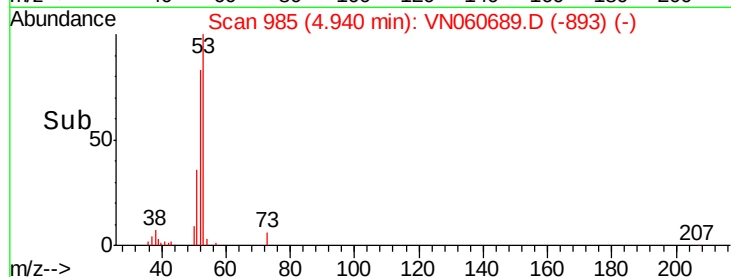
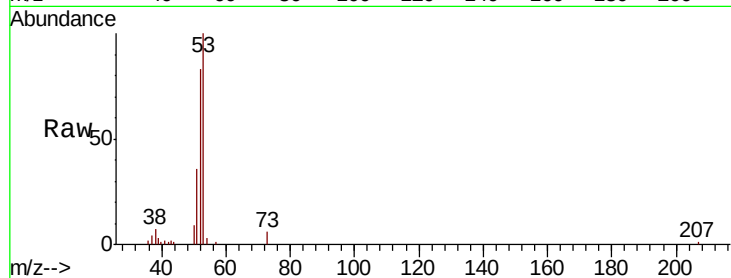
#15
 Acrylonitrile
 Concen: 95.263 ug/l
 RT: 4.94 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.0	66.2	99.4
51	36.6	28.7	43.1

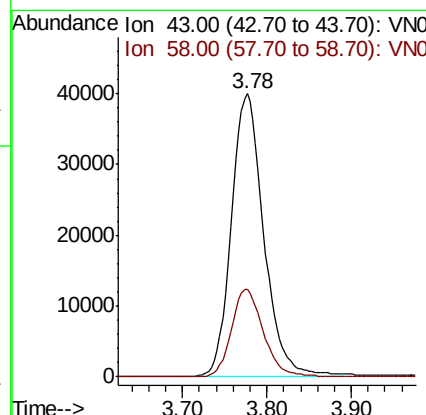
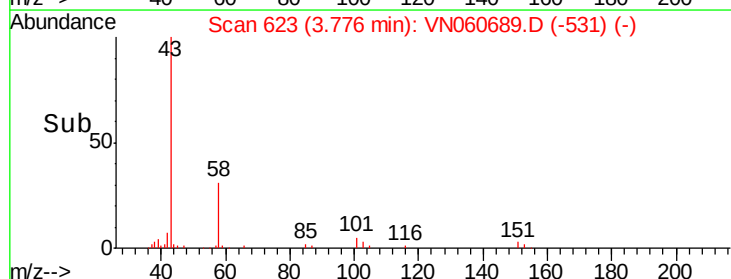
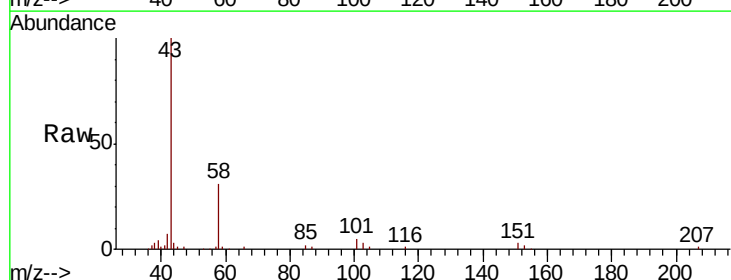
Manual Integrations
 APPROVED

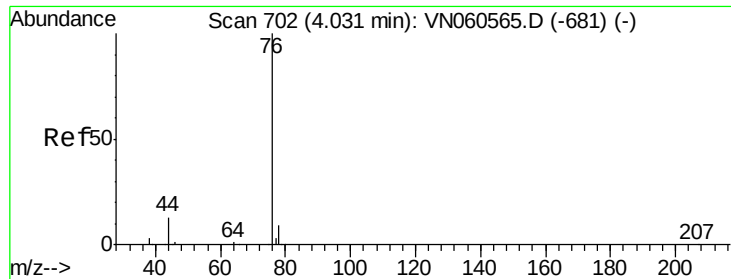
apatel
 3/26/2020 11:00:12 AM



#16
 Acetone
 Concen: 113.024 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7





#17

Carbon Disulfide

Concen: 18.343 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 76 Resp: 117933

Ion Ratio Lower Upper

76 100

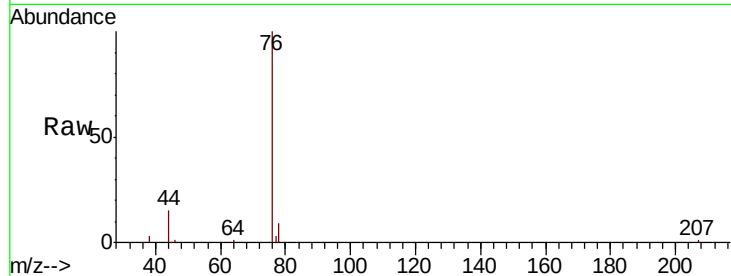
78 9.0 7.2 10.8

Manual Integrations

APPROVED

apatel

3/26/2020 11:00:12 AM

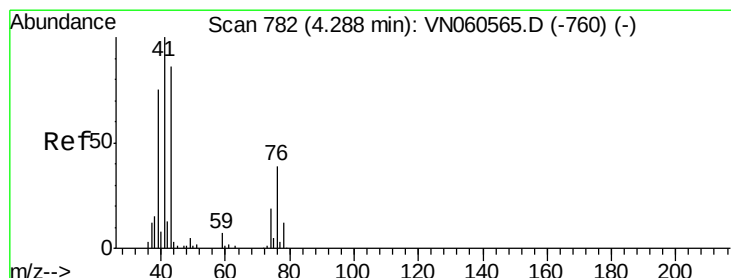
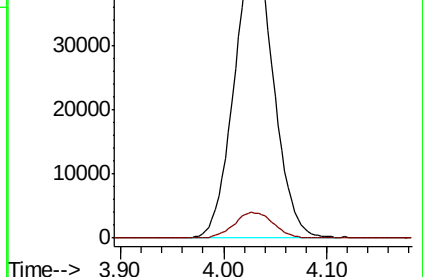
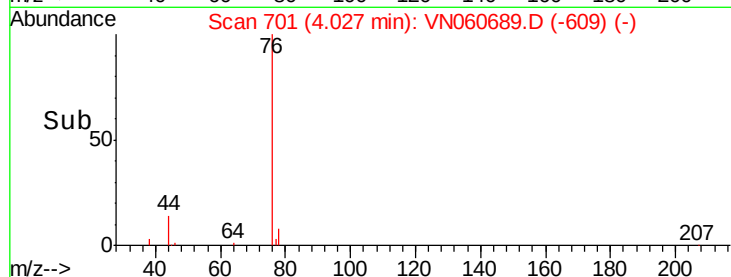


Abundance Ion 75.90 (75.60 to 76.60): VN060565.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060565.D (-681) (-)

4.03

Time-->



#18

Methyl Acetate

Concen: 19.389 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060689.D

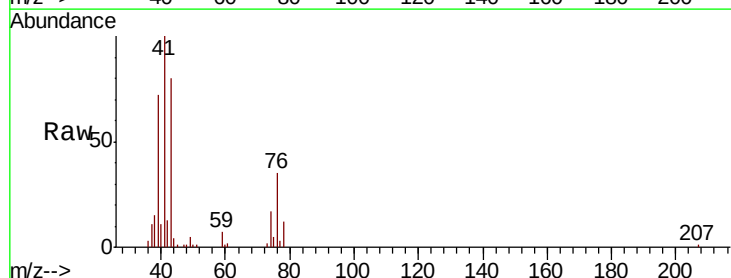
Acq: 25 Mar 2020 12:12

Tgt Ion: 43 Resp: 51817

Ion Ratio Lower Upper

43 100

74 21.0 17.5 26.3

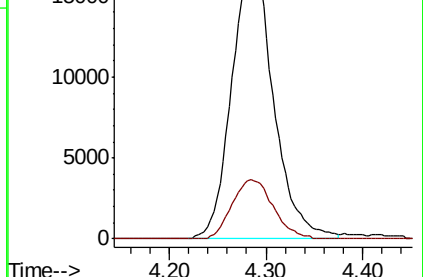
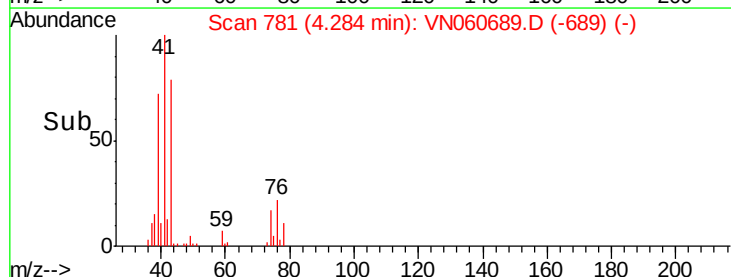


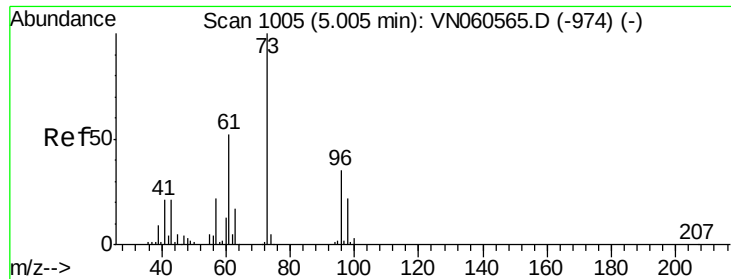
Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-760) (-)

Ion 74.00 (73.70 to 74.70): VN060565.D (-760) (-)

4.28

Time-->





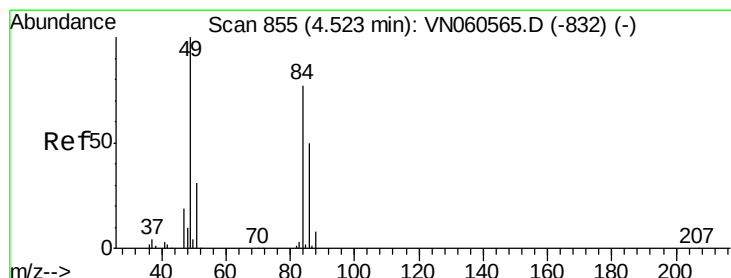
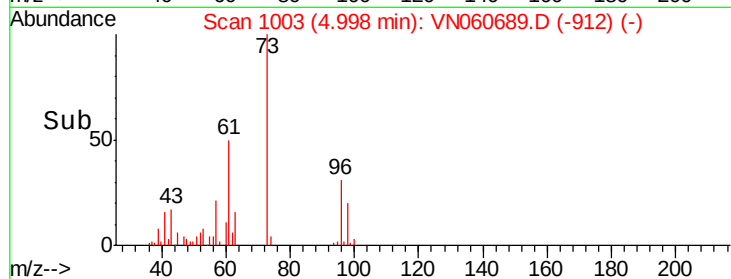
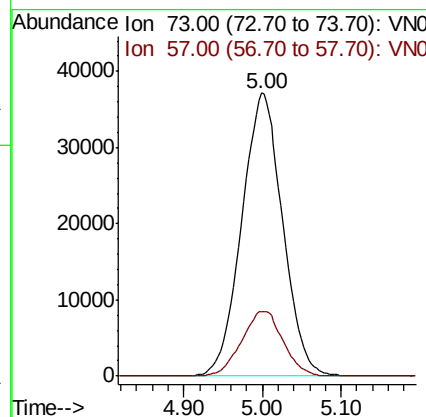
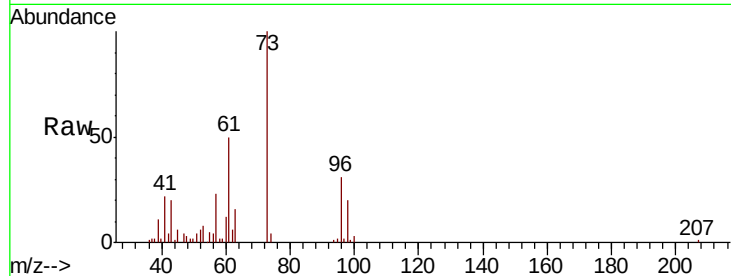
#19
Methyl tert-butyl Ether
Concen: 18.643 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.8	17.5	26.3

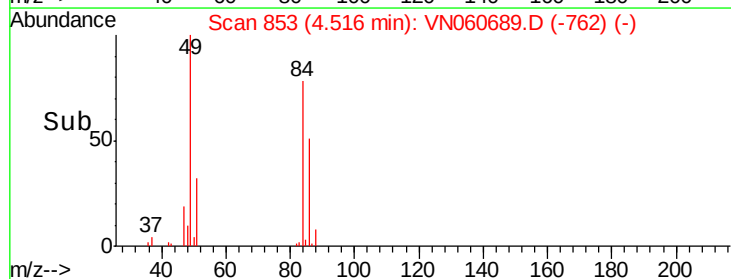
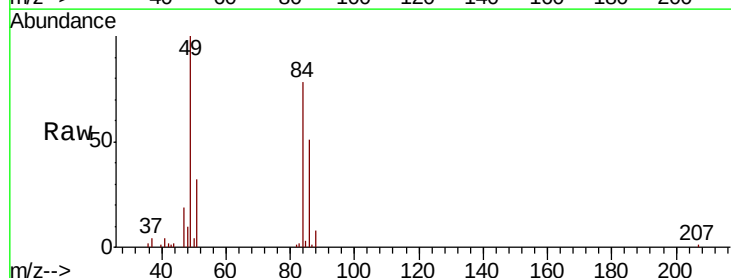
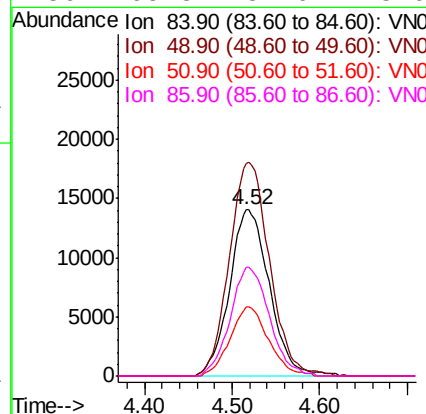
Manual Integrations
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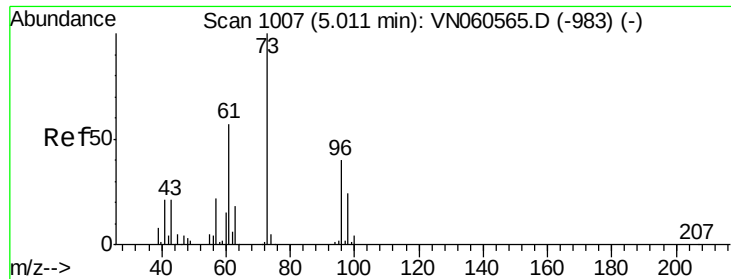
apatel
3/26/2020 11:00:12 AM



#20
Methylene Chloride
Concen: 19.022 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.5	103.3	154.9
51	41.3	31.6	47.4
86	65.3	52.0	78.0





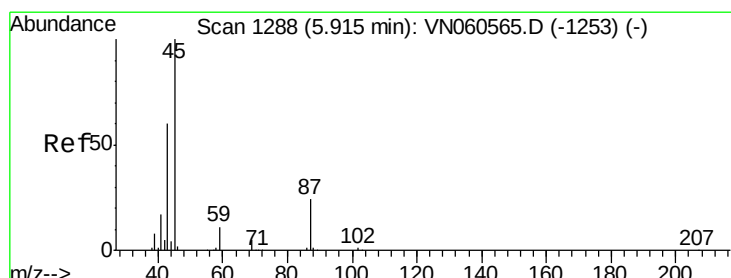
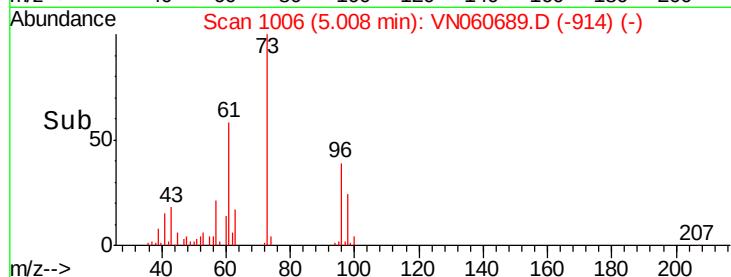
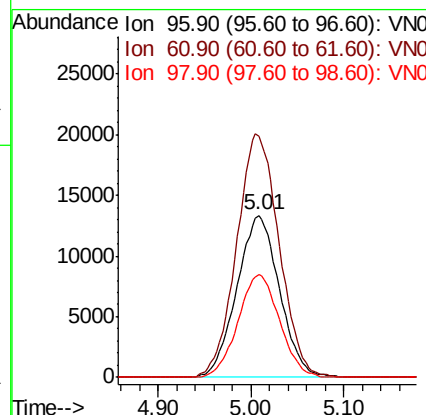
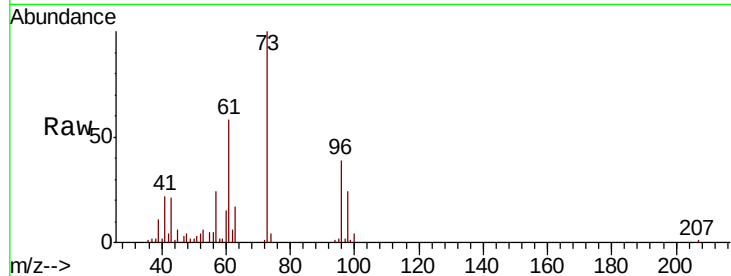
#21
trans-1,2-Dichloroethene
Concen: 18.881 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.2	114.4	171.6
98	63.1	48.4	72.6

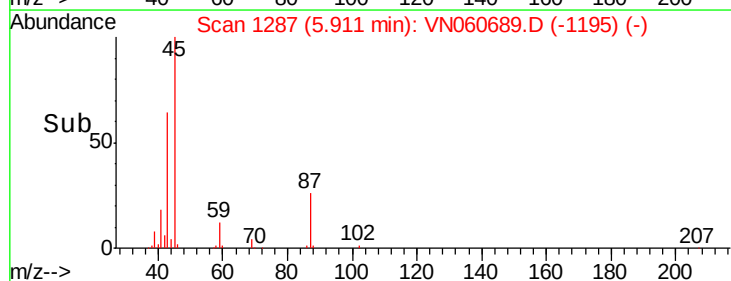
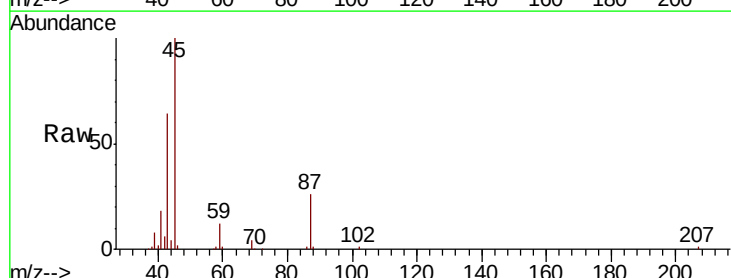
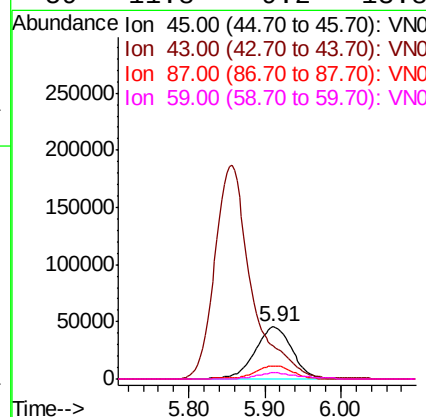
Manual Integrations
APPROVED

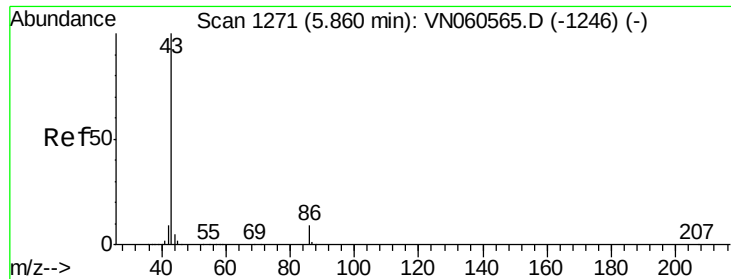
apatel
3/26/2020 11:00:12 AM



#22
Diisopropyl ether
Concen: 19.619 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	49.8	74.8
87	25.8	20.1	30.1
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 97.840 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 43 Resp: 627086

Ion Ratio Lower Upper

43 100

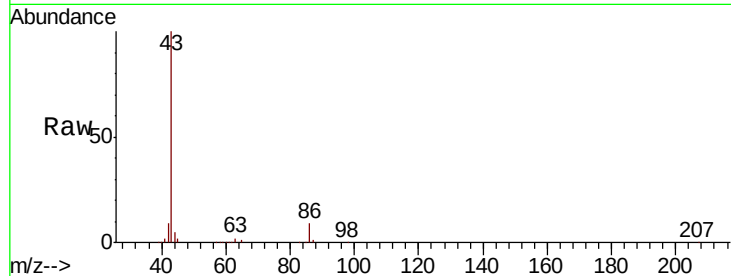
86 9.1 7.6 11.4

Manual Integrations

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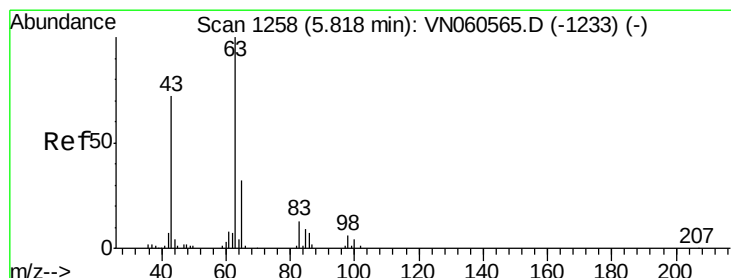
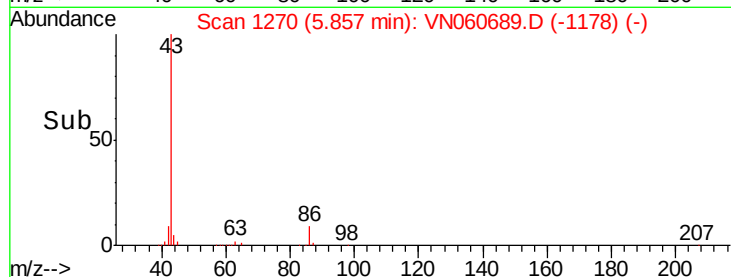
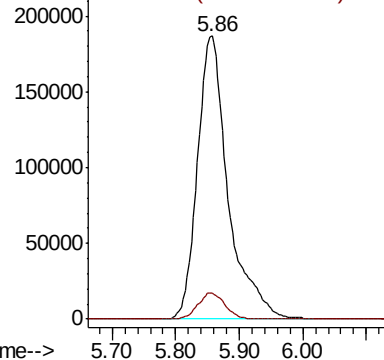
apatel

3/26/2020 11:00:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.332 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

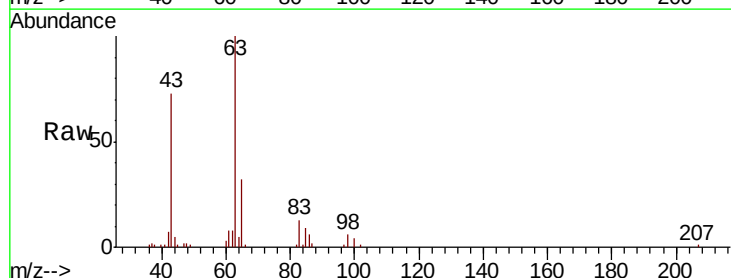
Tgt Ion: 63 Resp: 82787

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.7

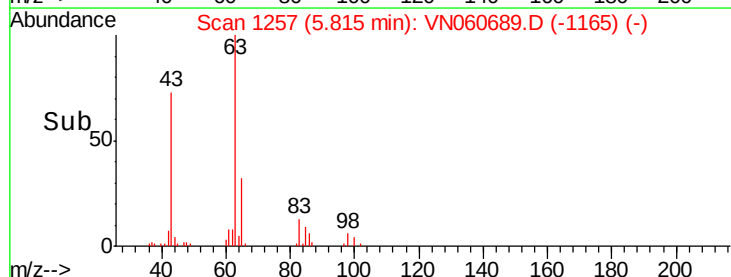
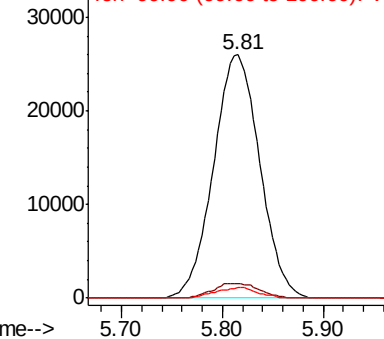
100 4.3 1.8 5.5

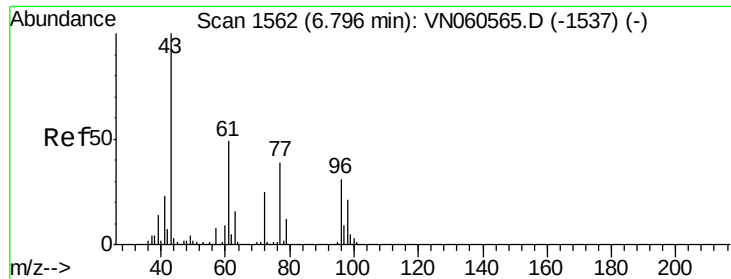


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





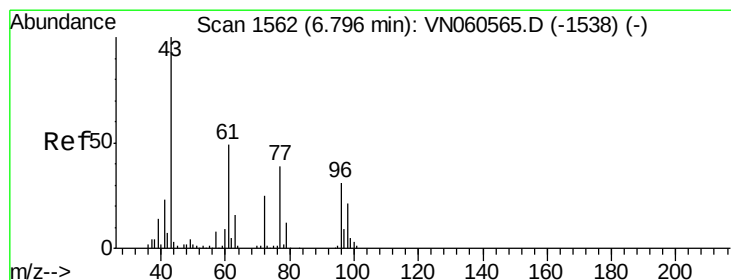
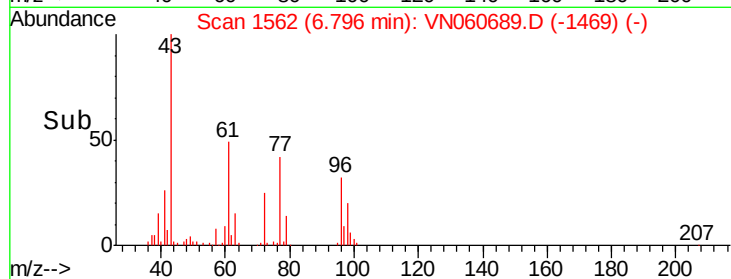
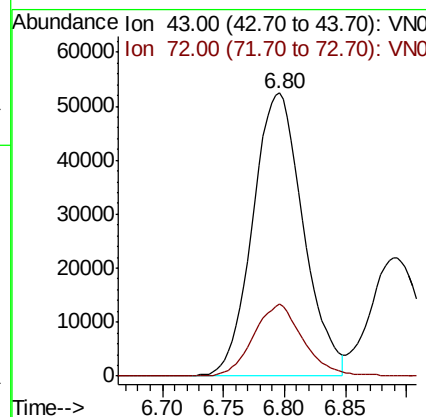
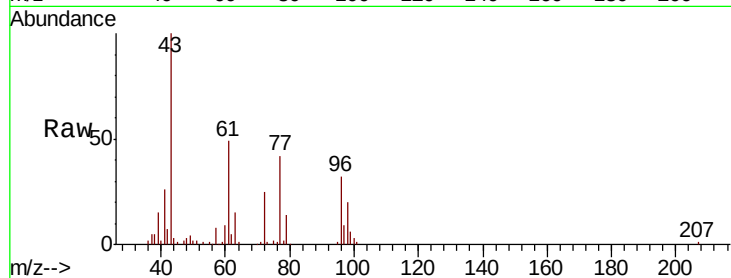
#25
2-Butanone
Concen: 98.068 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion: 43 Resp: 150674
Ion Ratio Lower Upper
43 100
72 25.3 20.4 30.6

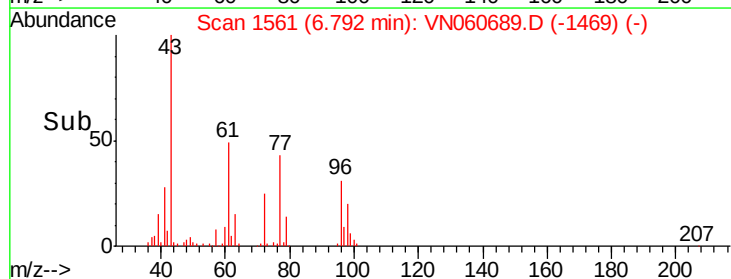
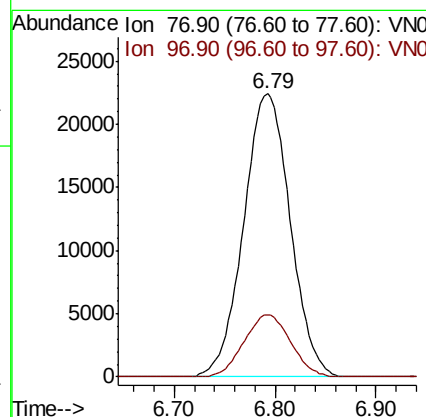
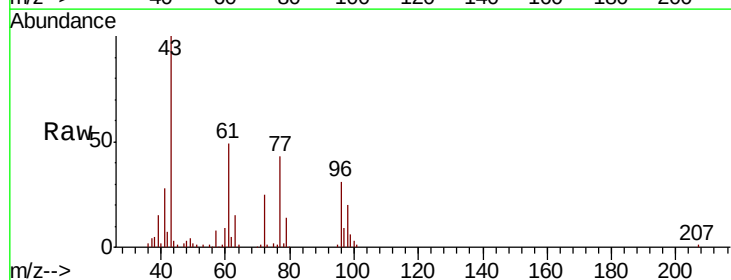
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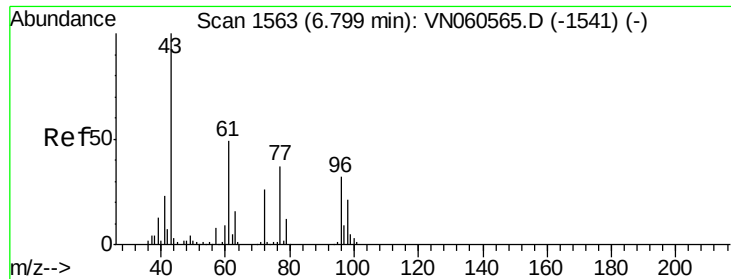
apatel
3/26/2020 11:00:12 AM



#26
2,2-Dichloropropane
Concen: 21.327 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion: 77 Resp: 71857
Ion Ratio Lower Upper
77 100
97 21.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.761 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

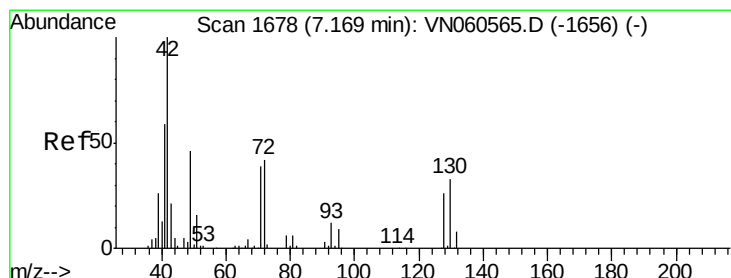
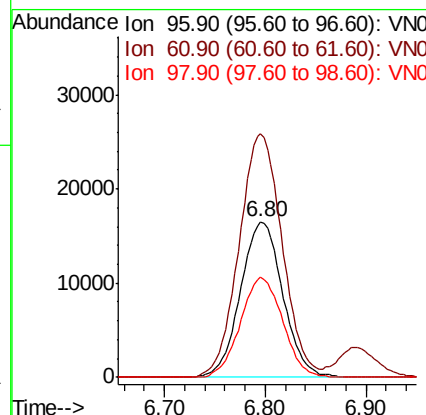
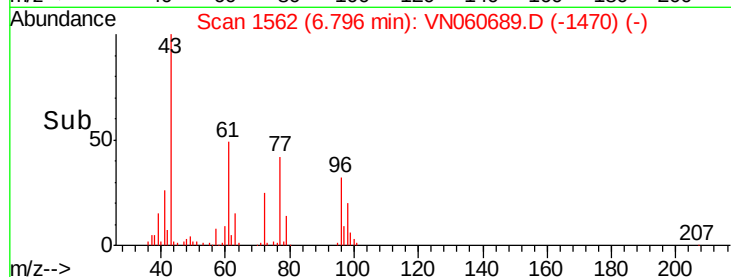
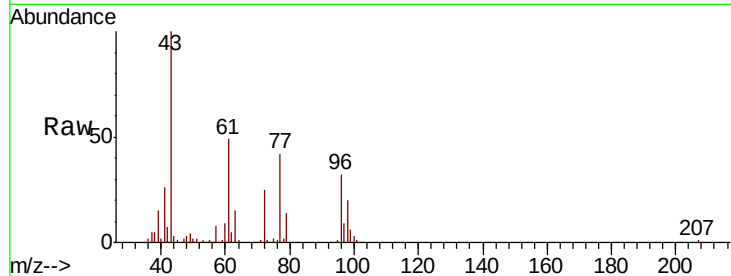
ClientSampleId :

VN0325WBS01

Tot Ion:	96	Resp:	48036
Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	305.6
98	64.0	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 20.478 ug/l

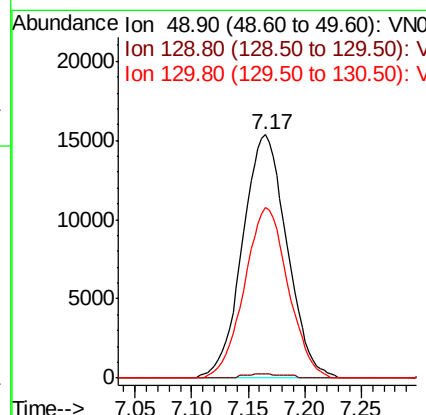
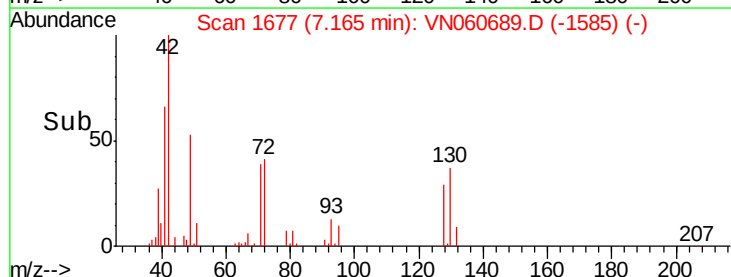
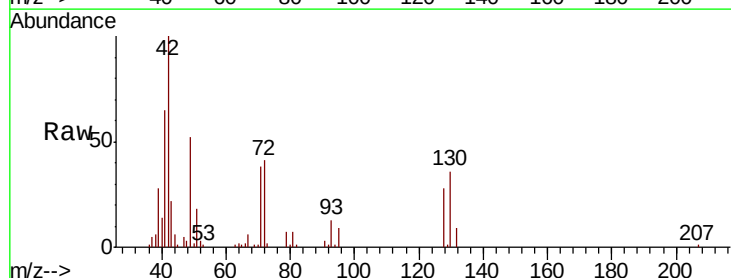
RT: 7.17 min Scan# 1677

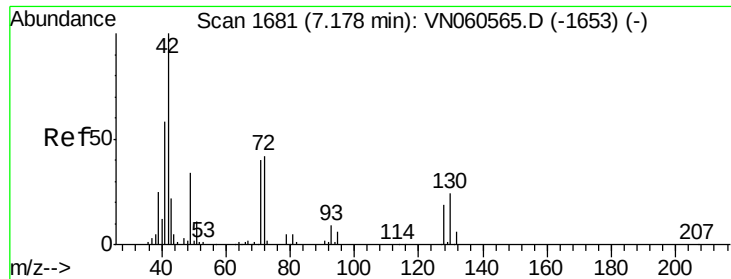
Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	49	Resp:	41956
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.4
130	68.8	55.0	82.4





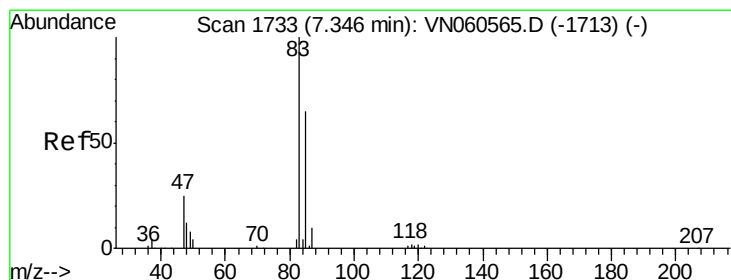
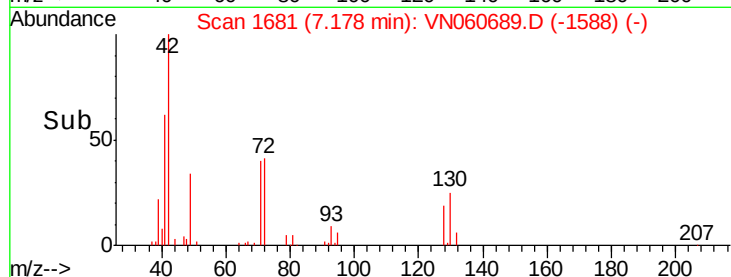
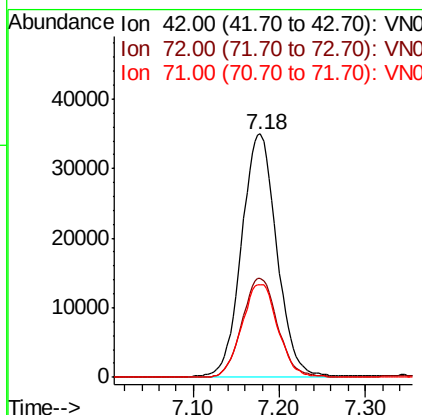
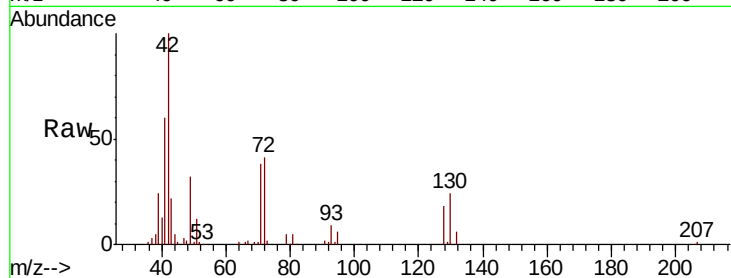
#29
Tetrahydrofuran
Concen: 91.961 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.2	49.8
71	39.0	31.1	46.7

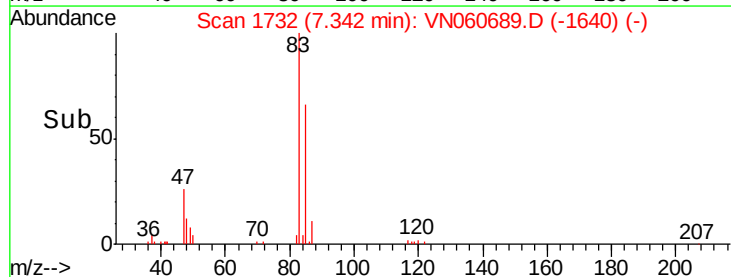
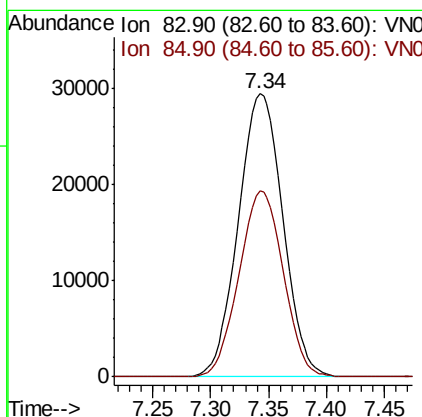
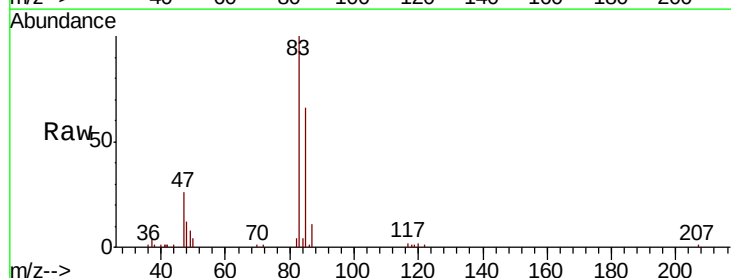
Manual Integrations
APPROVED

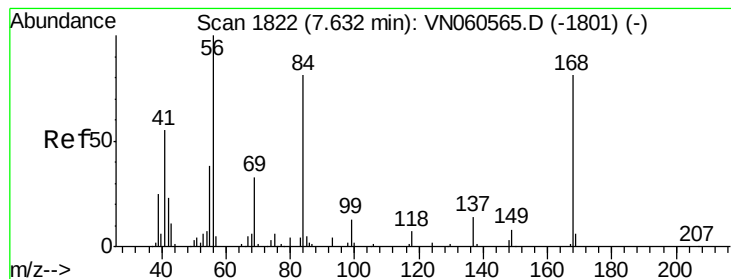
apatel
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#30
Chloroform
Concen: 19.200 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	51.8	77.8





#31

Cyclohexane

Concen: 18.819 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

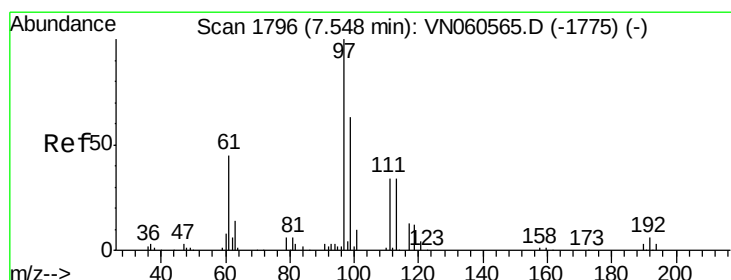
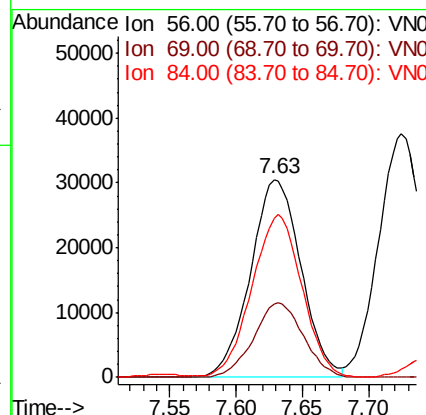
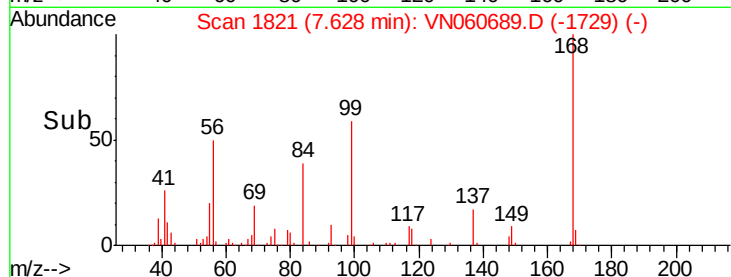
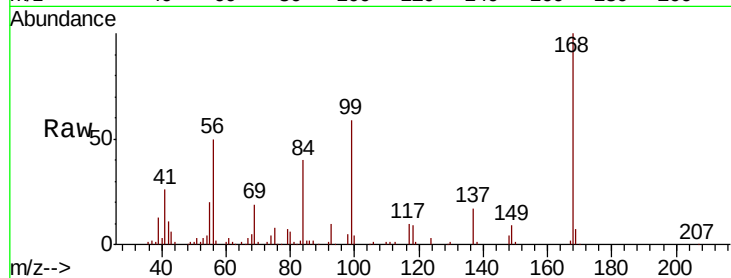
ClientSampleID :

VN0325WBS01

Tot Ion:	56	Resp:	81246
Ion Ratio	Lower	Upper	
56	100		
69	37.1	26.6	40.0
84	79.6	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.947 ug/l

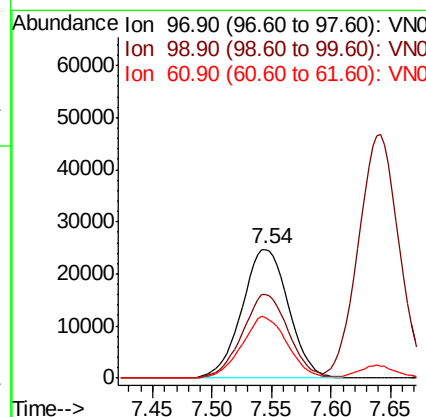
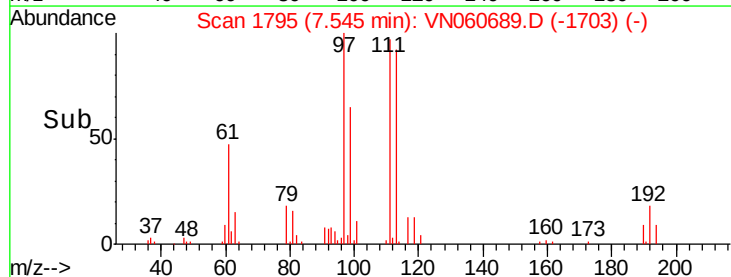
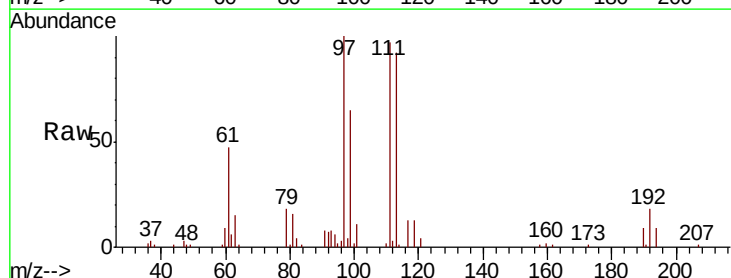
RT: 7.54 min Scan# 1795

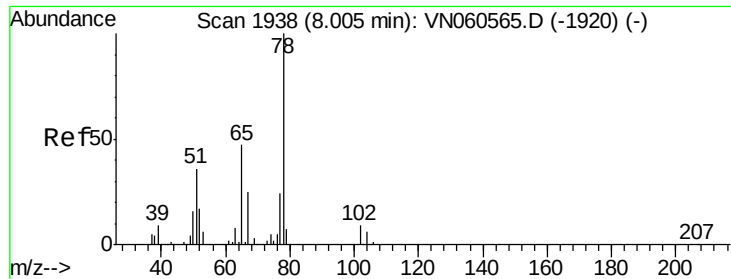
Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	97	Resp:	67053
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.6	75.8
61	46.7	36.2	54.4





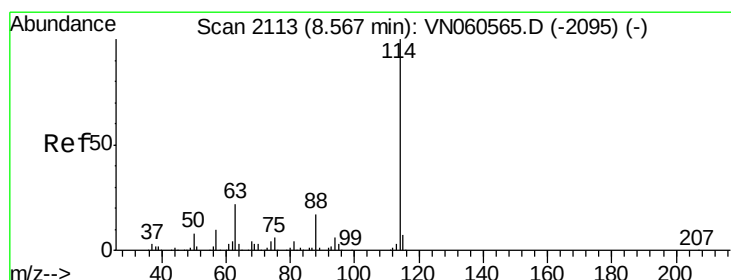
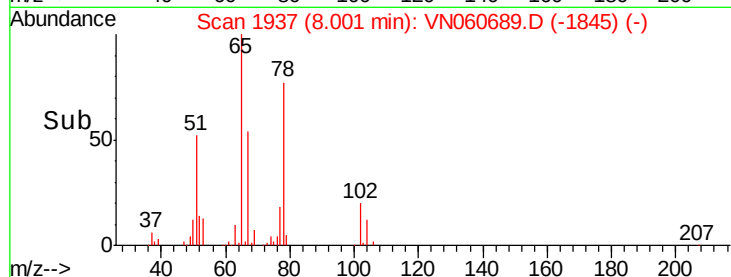
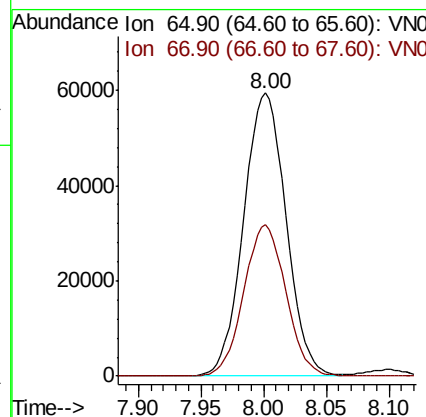
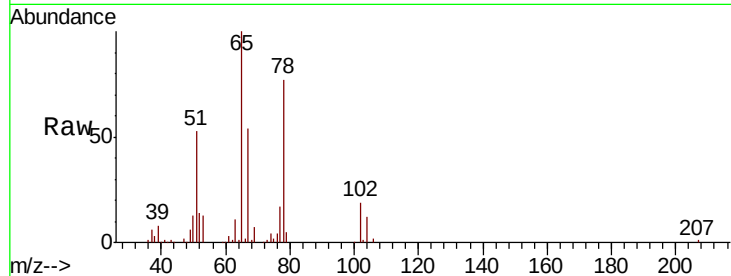
#33
 1,2-Dichloroethane-d4
 Concen: 52.234 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	107.6	

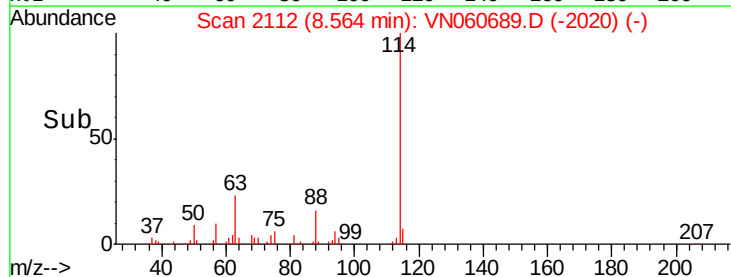
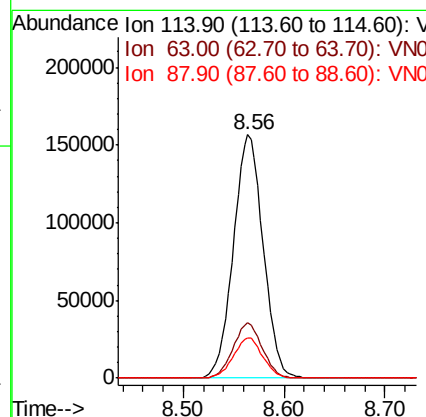
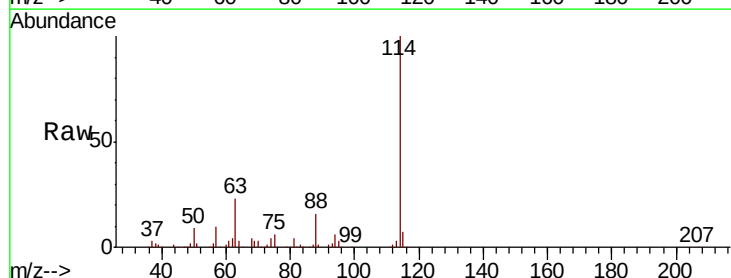
Manual Integrations
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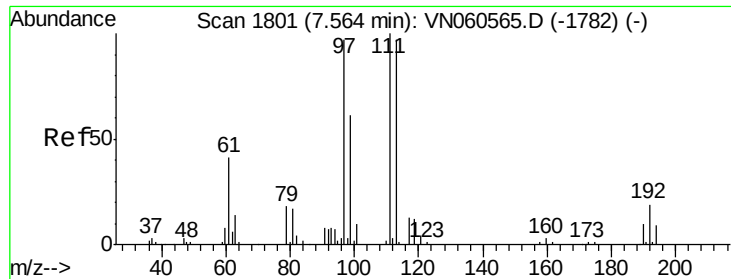
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.6	0.0	43.8	
88	16.5	0.0	33.0	





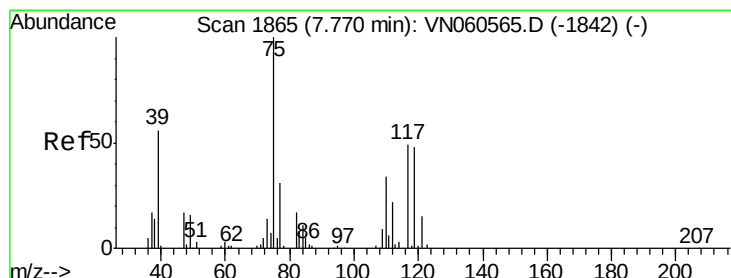
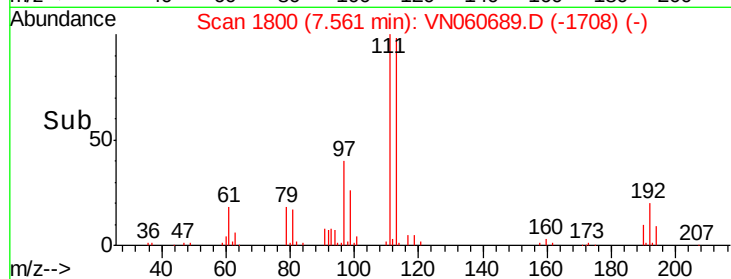
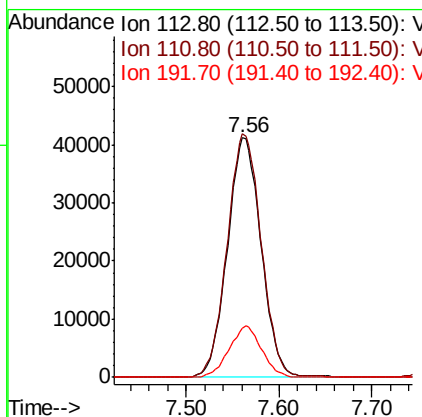
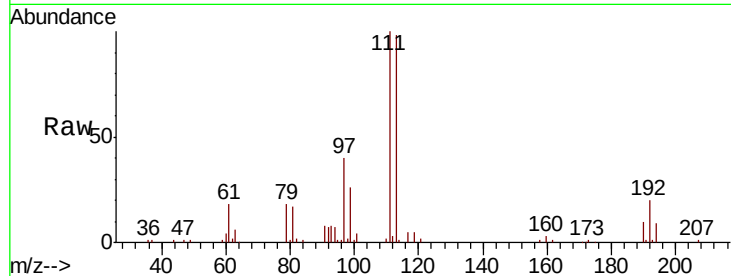
#35
 Dibromofluoromethane
 Concen: 53.396 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.5	82.9	124.3	
192	20.6	15.8	23.8	

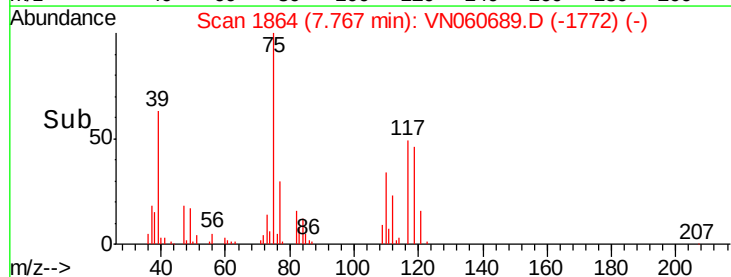
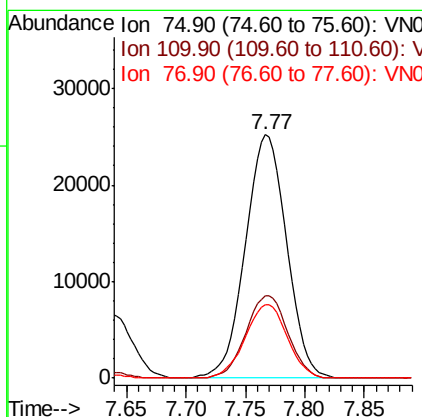
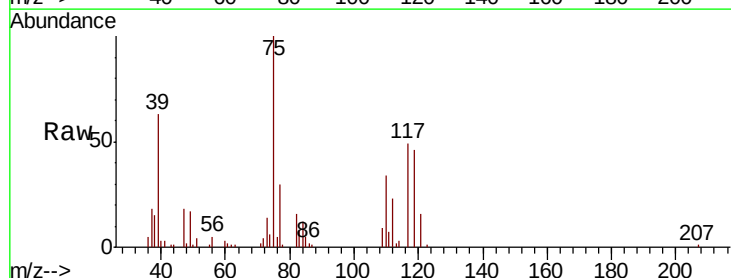
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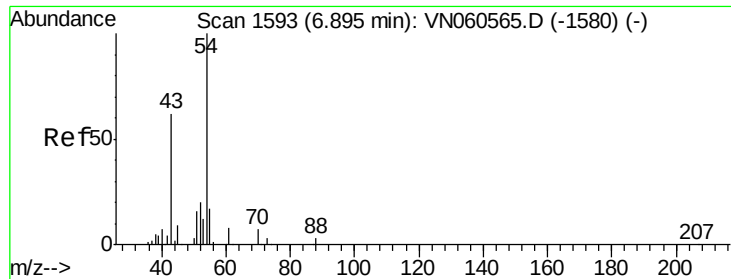
apatel
 3/26/2020 11:00:12 AM



#36
 1,1-Dichloropropene
 Concen: 19.457 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	16.9	50.6	
77	30.9	24.6	36.8	





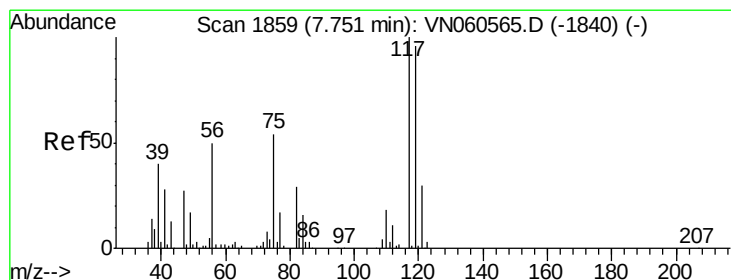
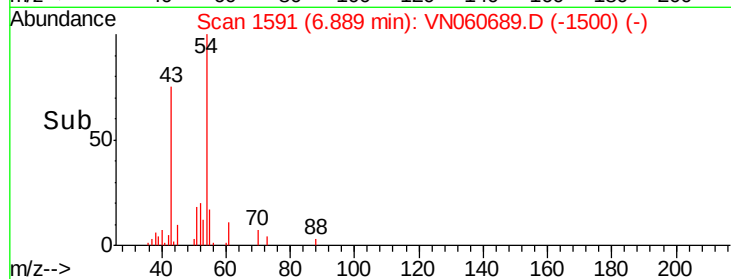
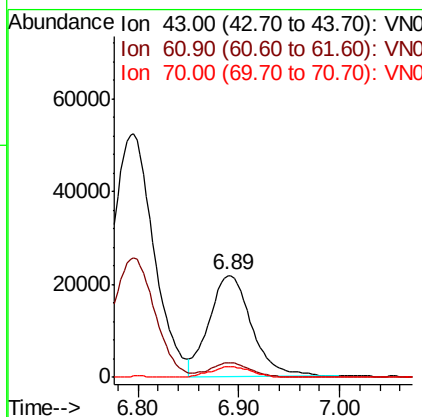
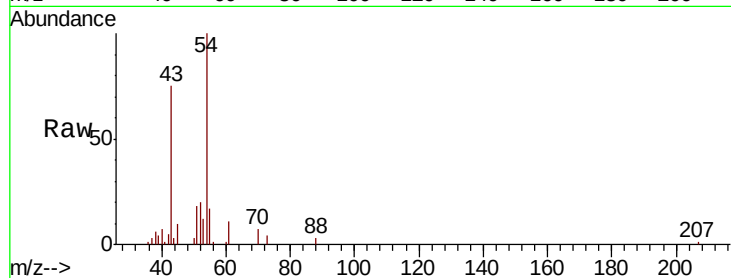
#37
Ethyl Acetate
Concen: 18.867 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.6	15.8
70	10.1	7.9	11.9

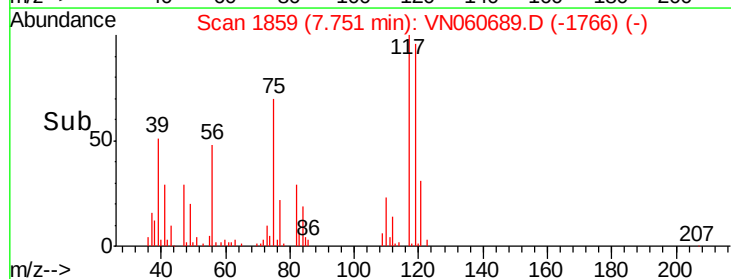
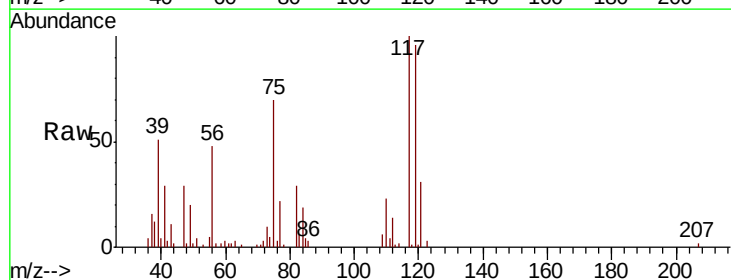
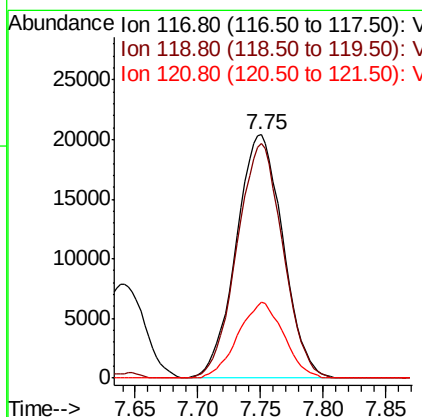
Manual Integrations
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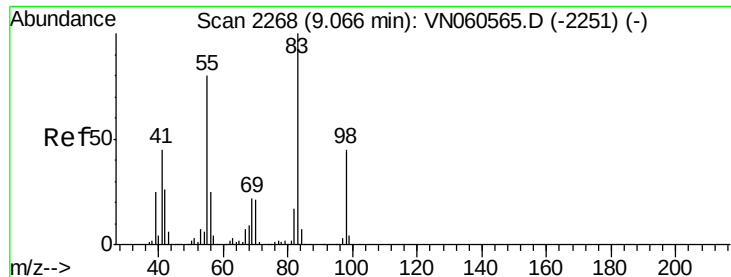
apatel
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#38
Carbon Tetrachloride
Concen: 18.948 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
121	31.0	23.7	35.5





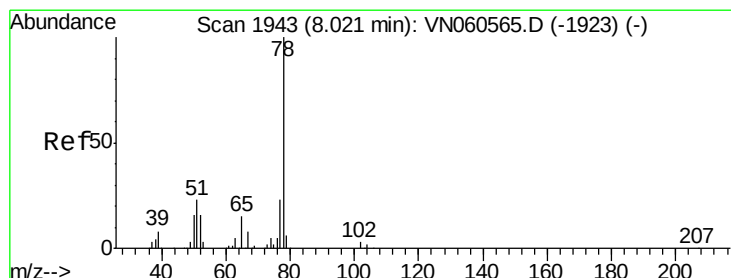
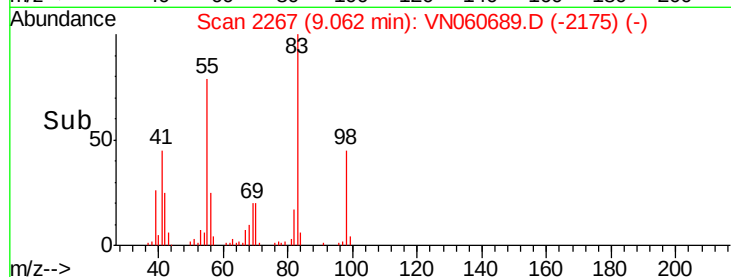
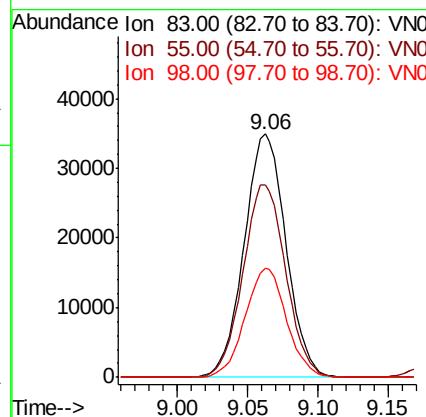
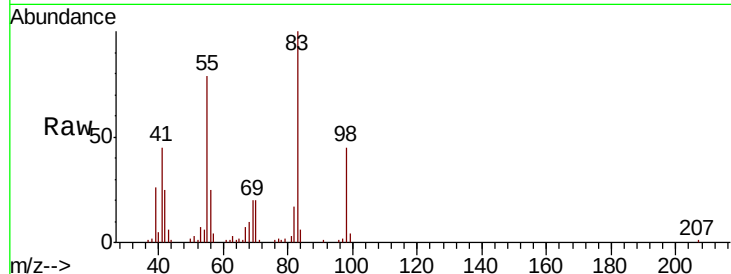
#39
Methylvlcyclohexane
Concen: 19.653 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.3	63.6	95.4
98	44.8	36.0	54.0

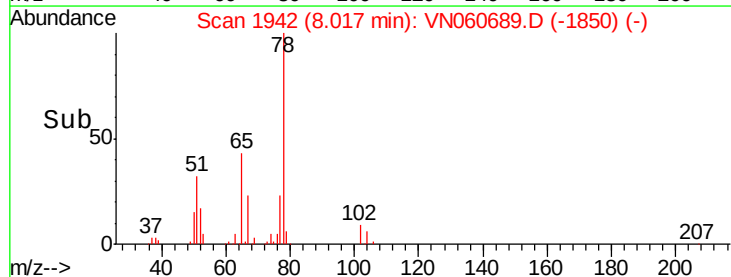
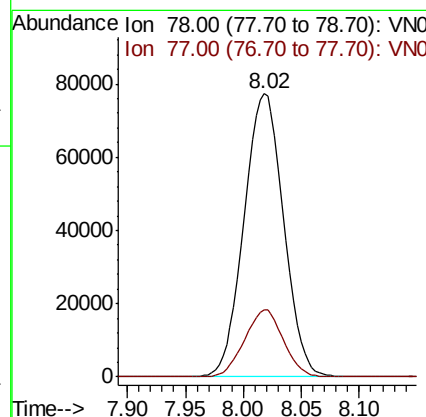
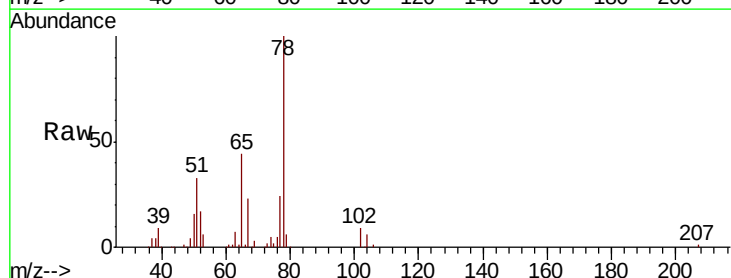
Manual Integrations
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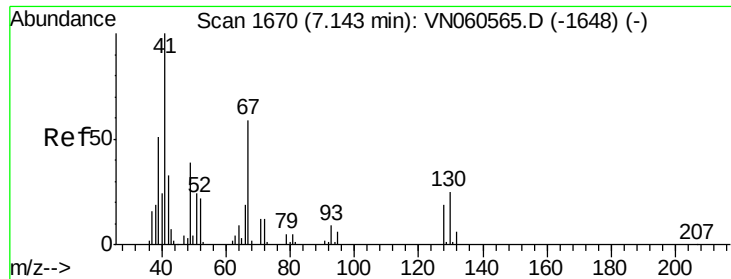
apatel
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#40
Benzene
Concen: 19.596 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





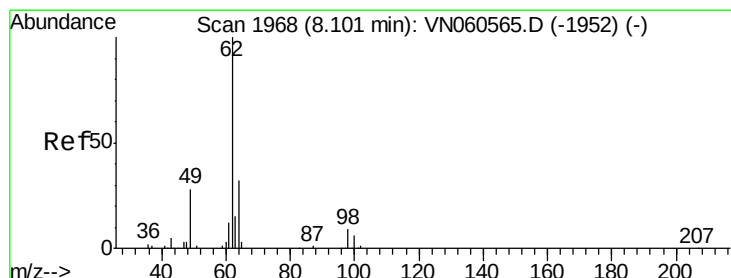
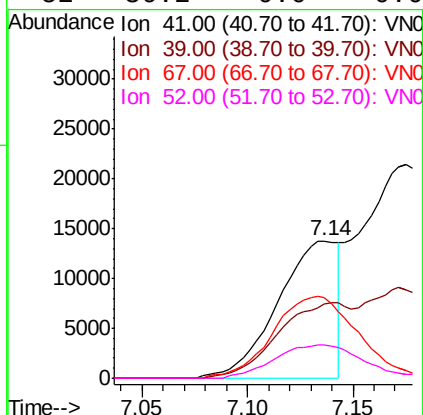
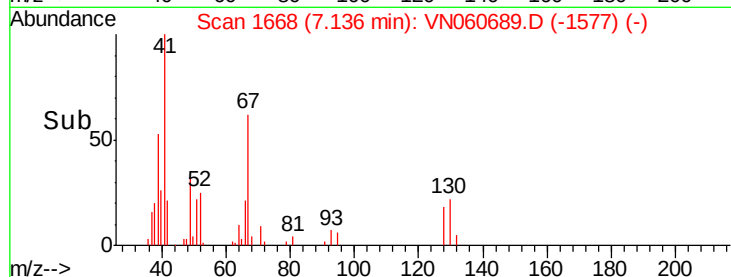
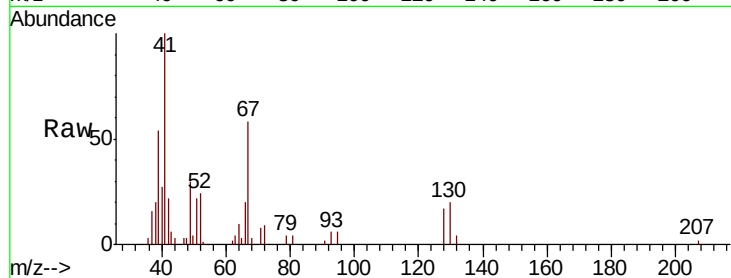
#41
Methacrylonitrile
Concen: 19.018 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		27285		
39	65.2	0.0	0.0#		
67	84.4	0.0	0.0#		
52	36.2	0.0	0.0#		

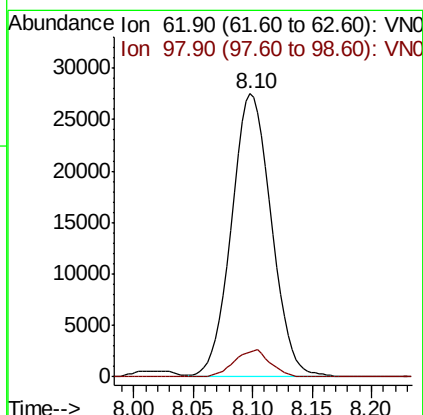
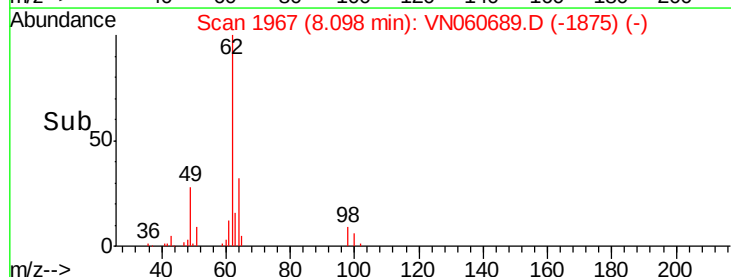
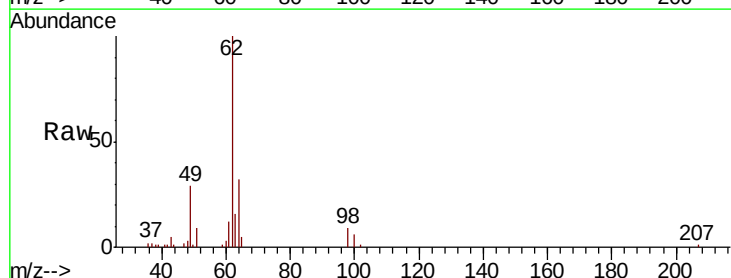
Manual Integrations
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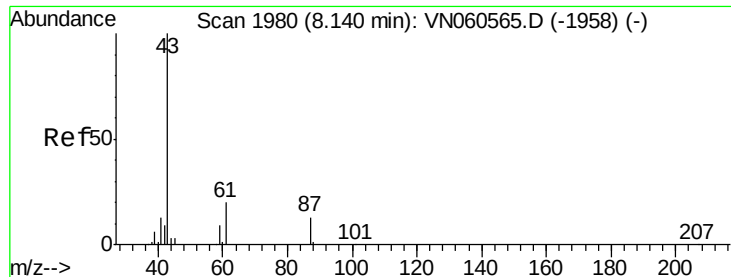
apatel
3/26/2020 11:00:12 AM



#42
1,2-Dichloroethane
Concen: 19.922 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63945		
98	8.6	0.0	17.8		





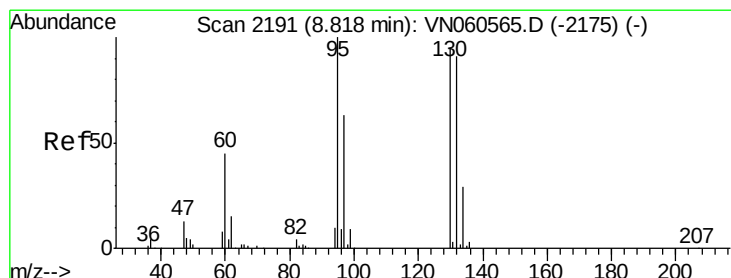
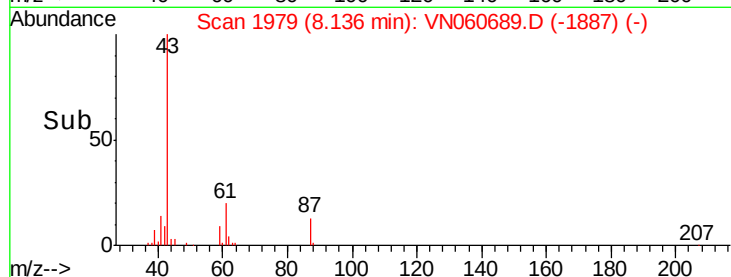
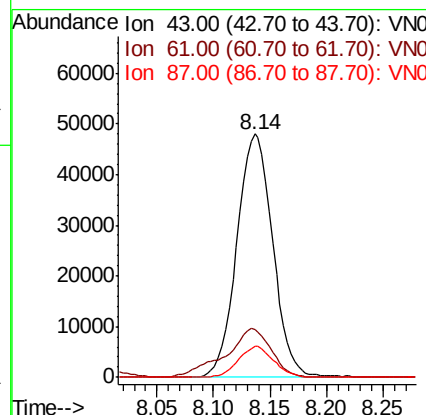
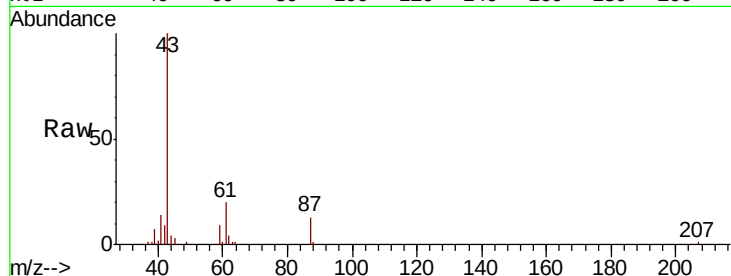
#43
Isopropyl Acetate
Concen: 19.088 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.7	31.1
87	12.3	9.8	14.8

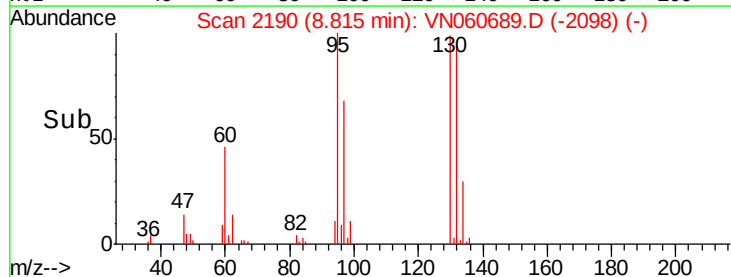
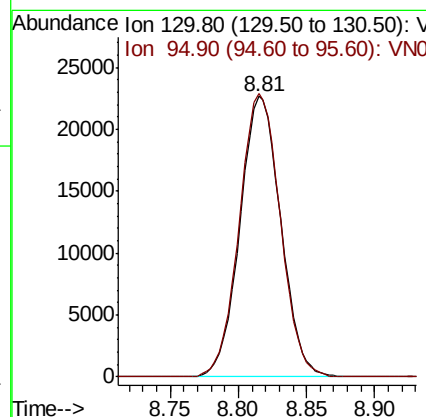
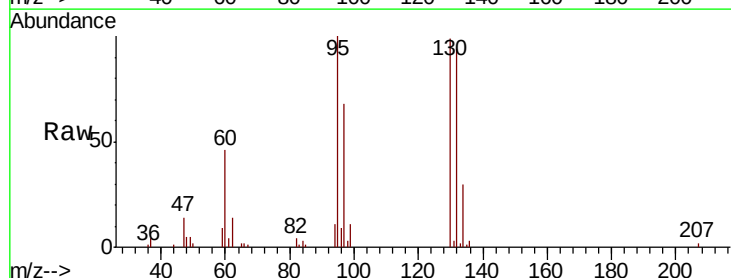
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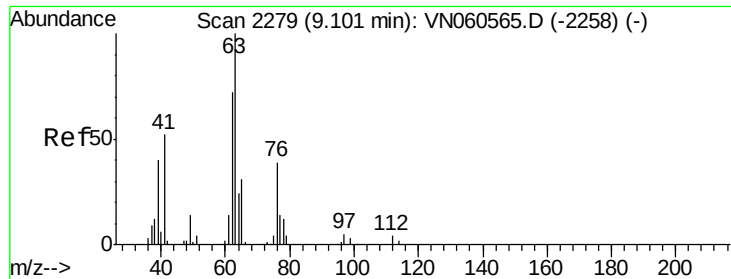
apatel
3/26/2020 11:00:12 AM



#44
Trichloroethene
Concen: 19.856 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.8	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.247 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 63 Resp: 50177

Ion Ratio Lower Upper

63 100

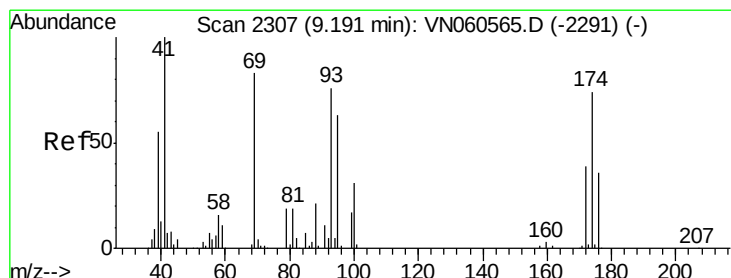
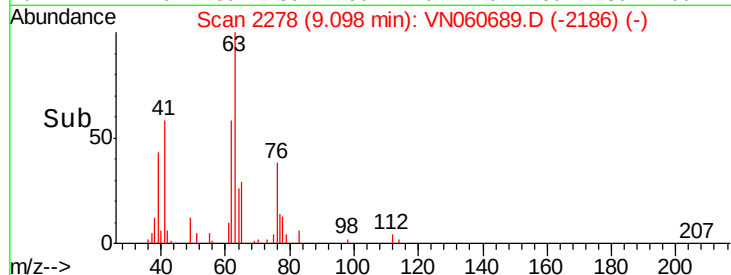
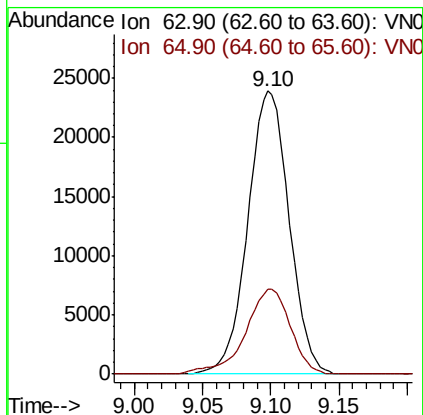
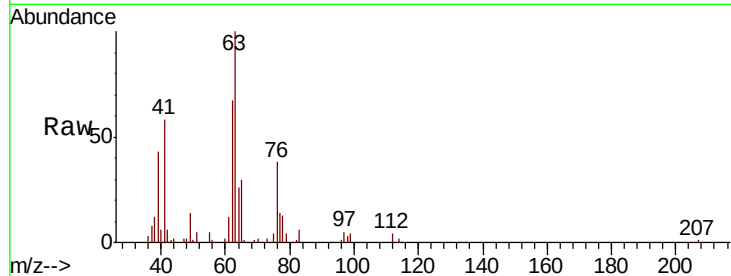
65 30.0 25.4 38.0

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#46

Dibromomethane

Concen: 19.679 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

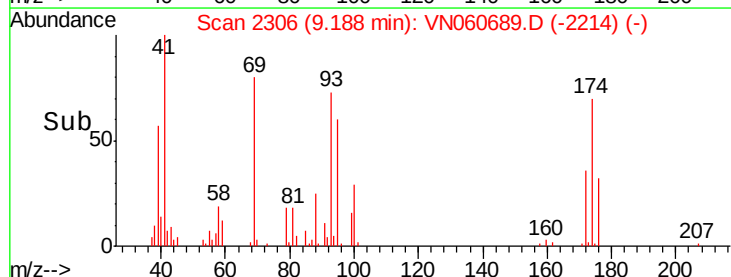
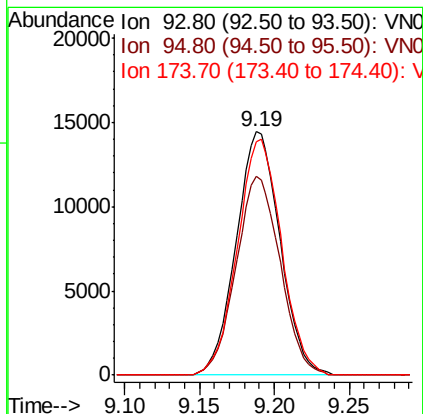
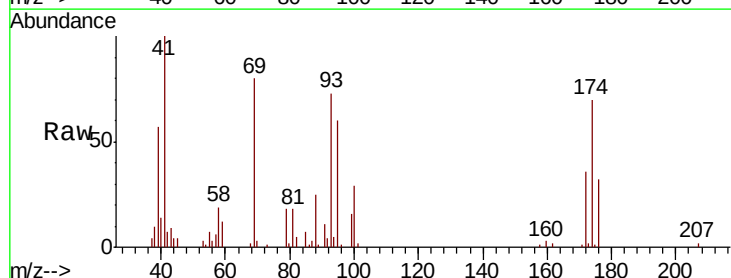
Tgt Ion: 93 Resp: 29485

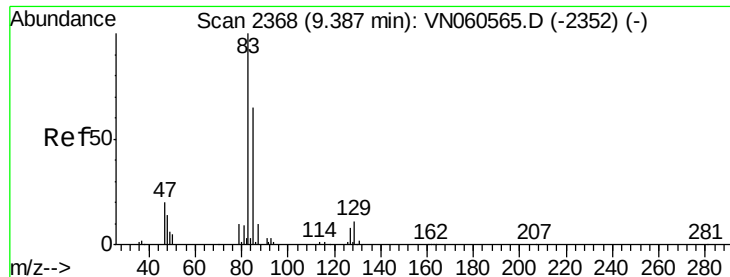
Ion Ratio Lower Upper

93 100

95 82.2 66.2 99.4

174 97.2 77.9 116.9





#47

Bromodichloromethane

Concen: 19.668 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

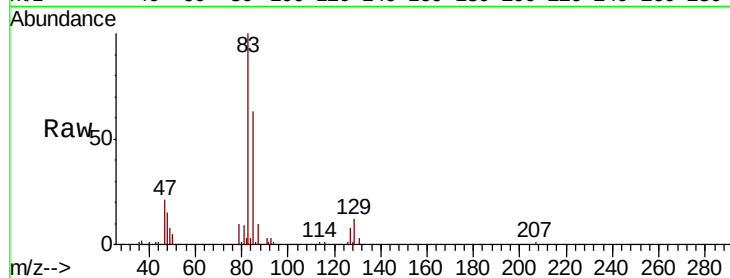
ClientSampled :

VN0325WBS01

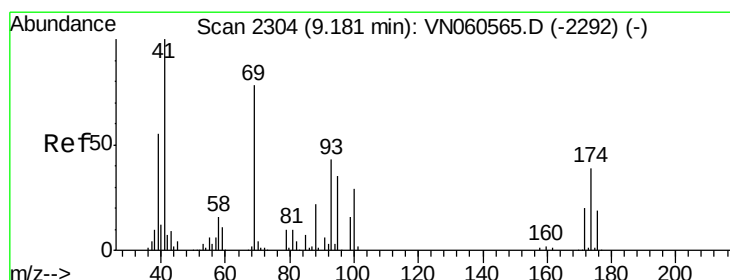
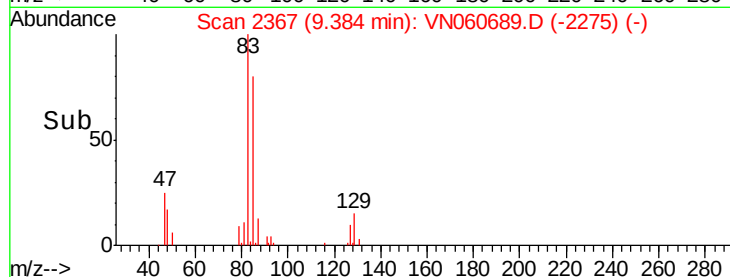
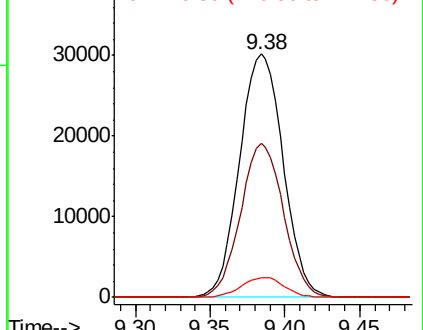
Tot Ion:	83	Resp:	61235
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.8	77.6
127	8.2	6.5	9.7

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Abundance Ion 82.90 (82.60 to 83.60): VN060689.D (-2275) (-)



#48

Methyl methacrylate

Concen: 18.657 ug/l

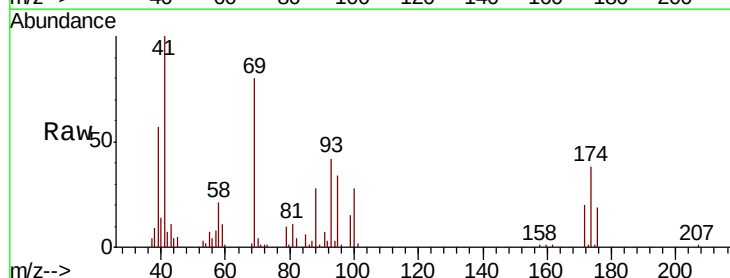
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

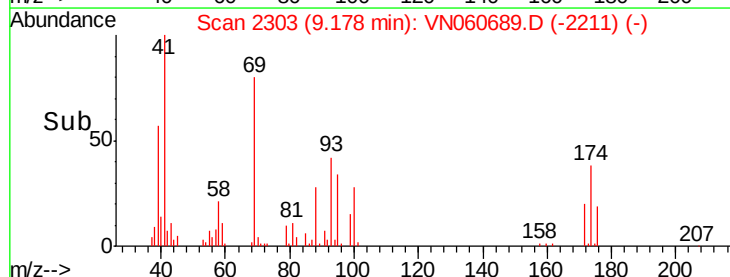
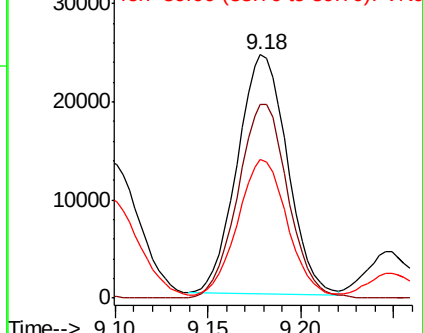
Lab File: VN060689.D

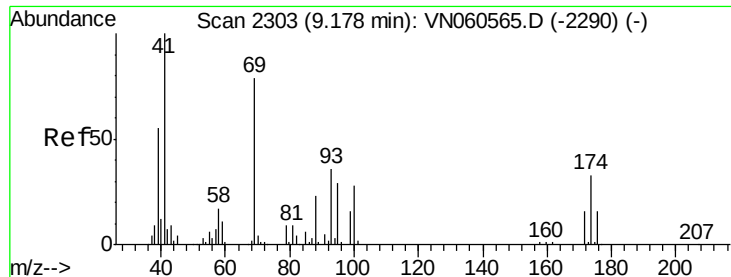
Acq: 25 Mar 2020 12:12

Tgt Ion:	41	Resp:	46053
Ion	Ratio	Lower	Upper
41	100		
69	80.8	65.4	98.0
39	58.3	44.0	66.0



Abundance Ion 41.00 (40.70 to 41.70): VN060689.D (-2211) (-)





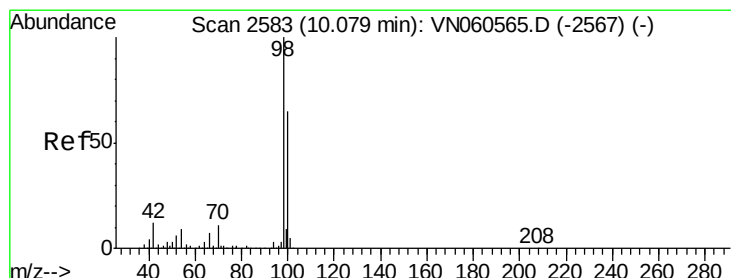
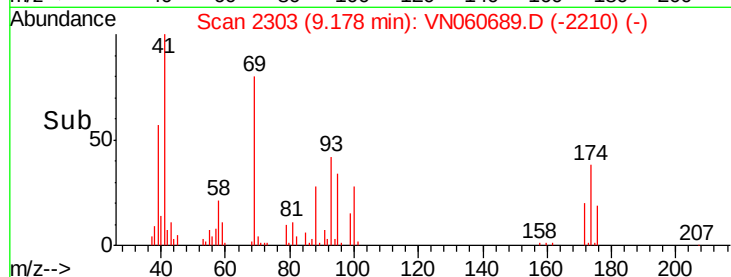
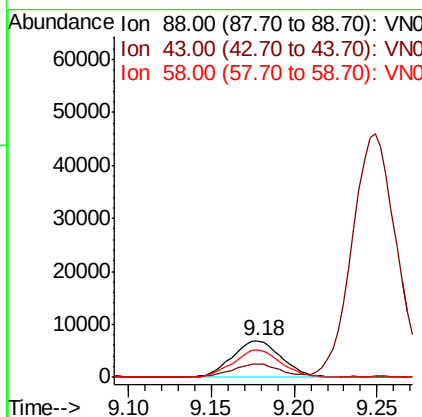
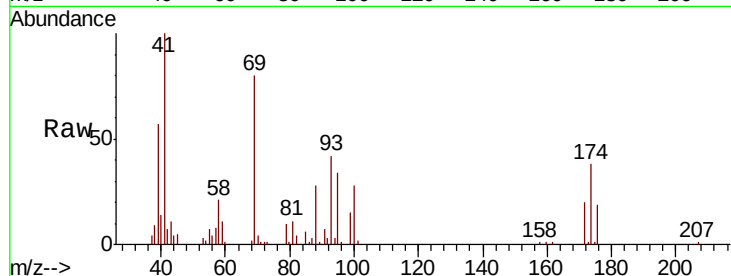
#49
1,4-Dioxane
Concen: 480.907 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.8	46.2
58	73.6	59.8	89.8

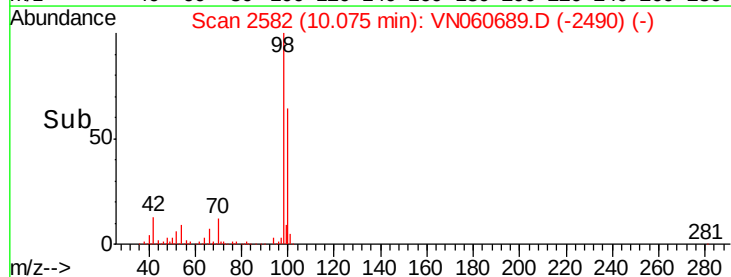
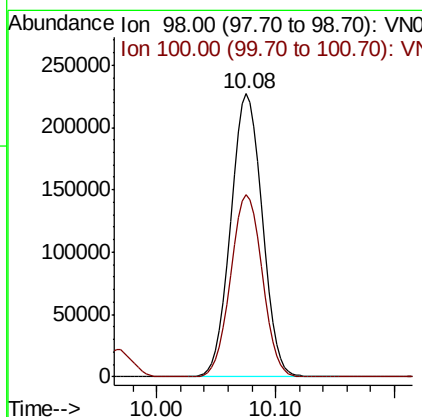
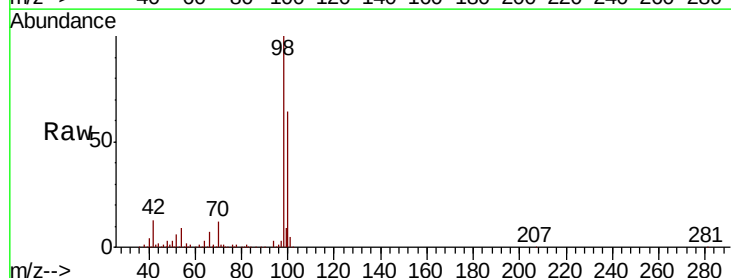
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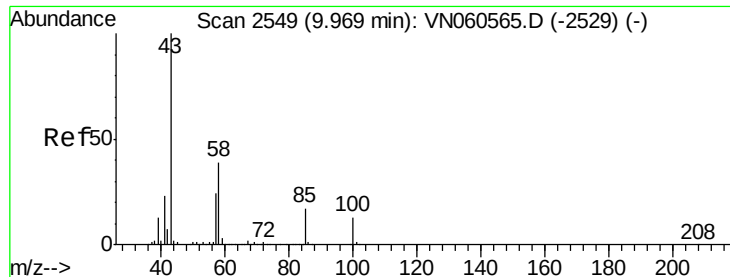
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#50
Toluene-d8
Concen: 52.537 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





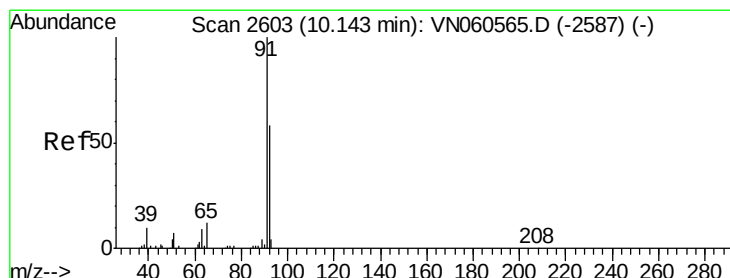
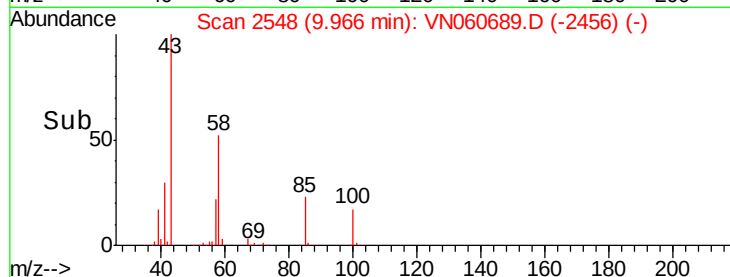
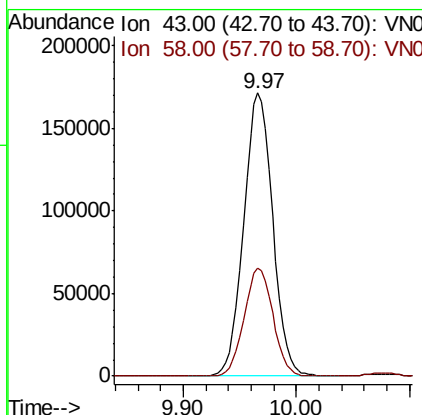
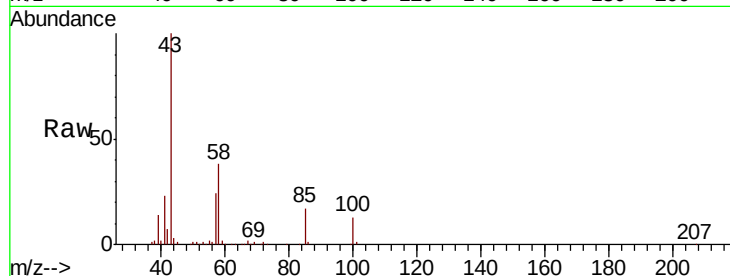
#51
4-Methyl-2-Pentanone
Concen: 96.973 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.8	46.2

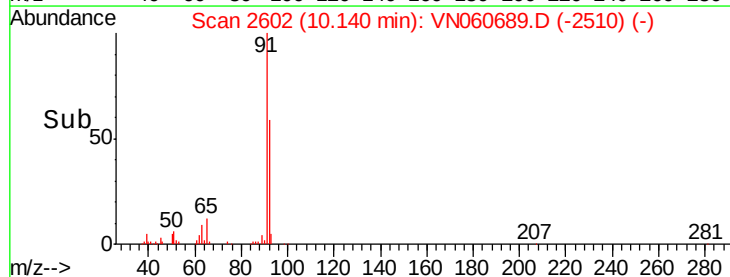
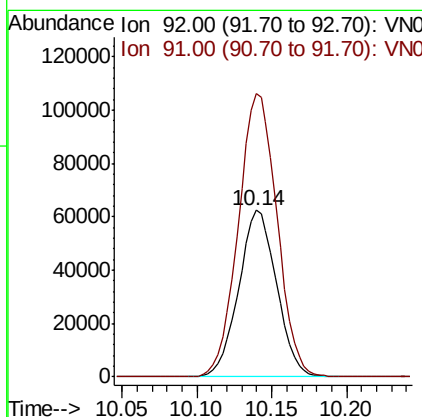
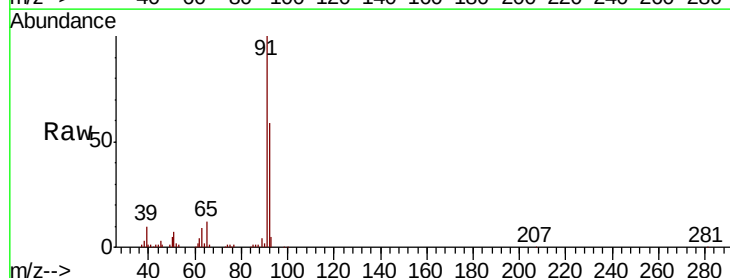
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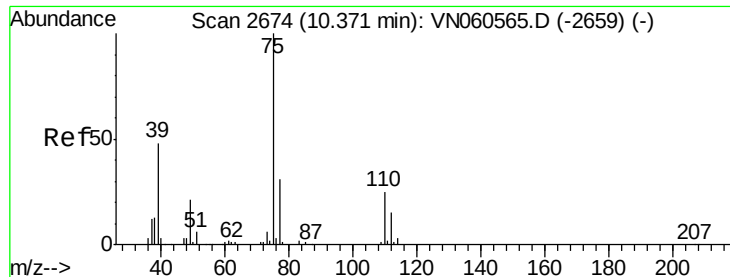
apatel
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#52
Toluene
Concen: 19.404 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 19.749 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 75 Resp: 70630

Ion Ratio Lower Upper

75 100

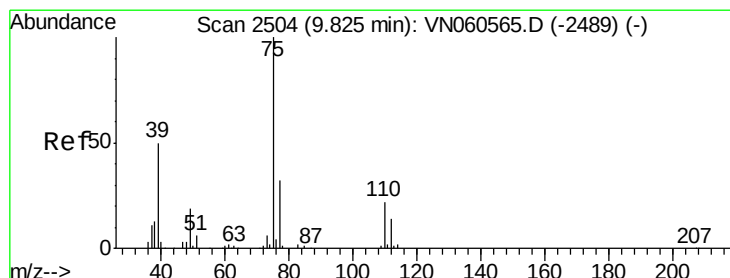
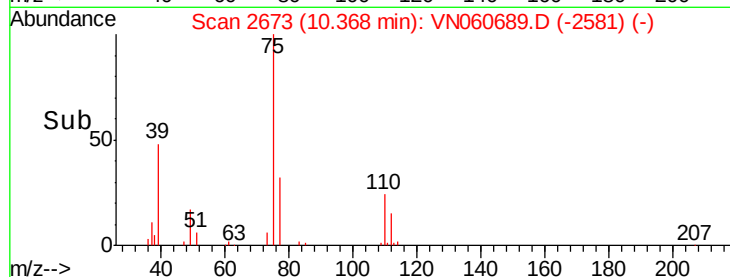
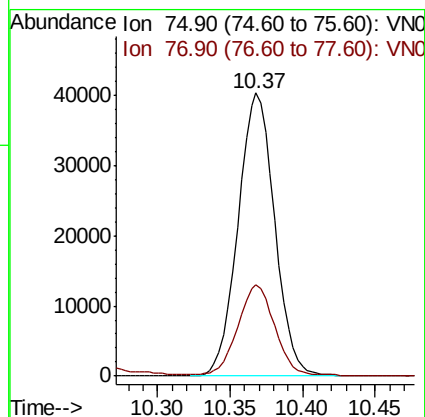
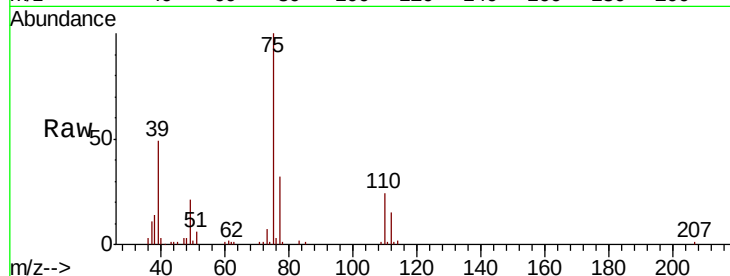
77 31.9 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 19.903 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

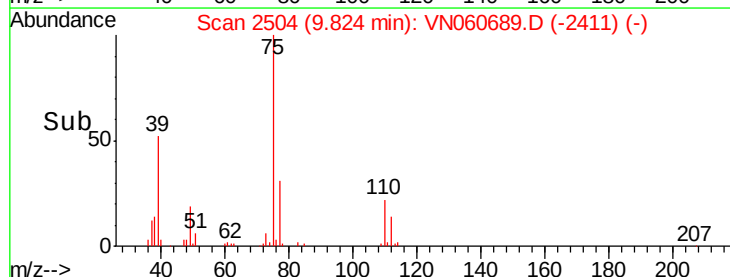
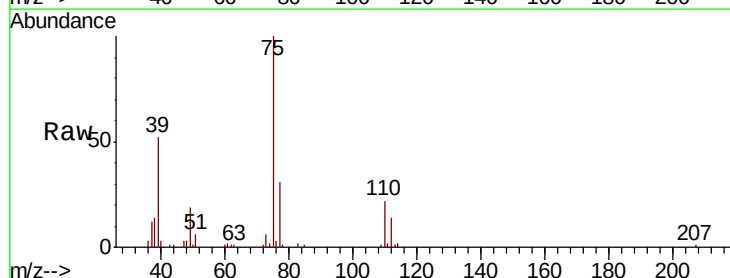
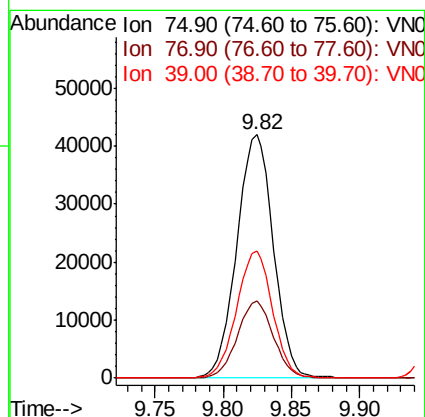
Tgt Ion: 75 Resp: 78089

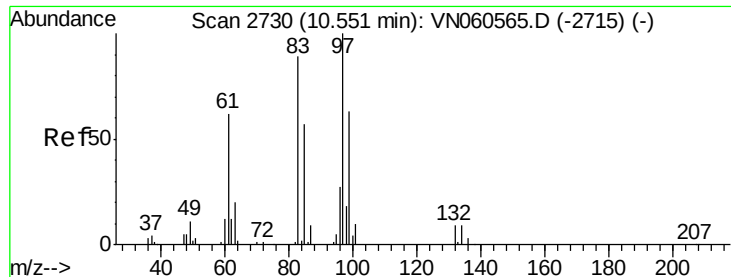
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 52.2 40.2 60.4





#55

1,1,2-Trichloroethane

Concen: 19.623 ug/l

RT: 10.55 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

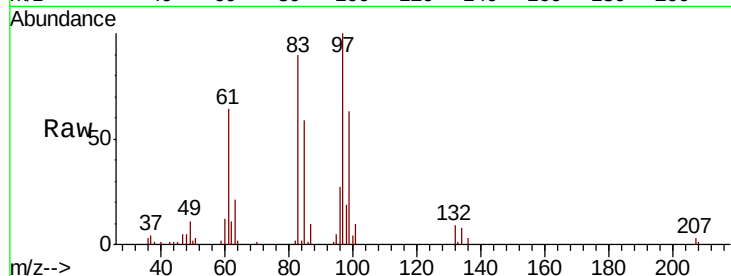
ClientSampleId :

VN0325WBS01

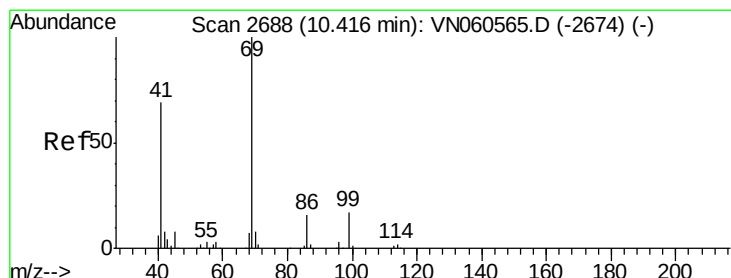
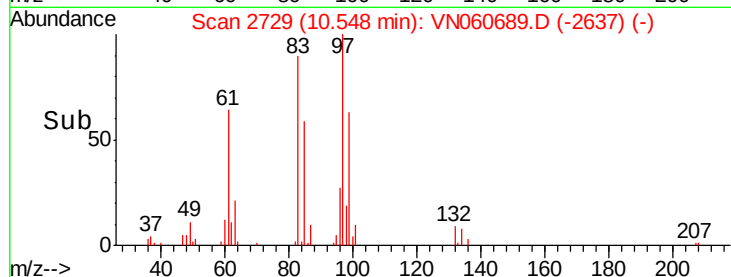
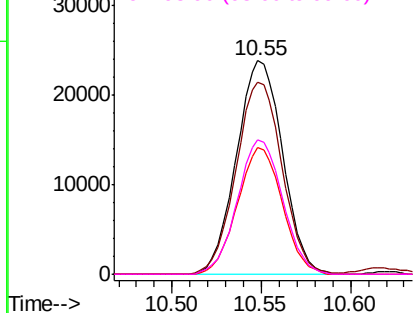
Tot Ion:	97	Resp:	42820
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.3	106.9
85	59.1	45.2	67.8
99	62.9	50.1	75.1

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Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.941 ug/l

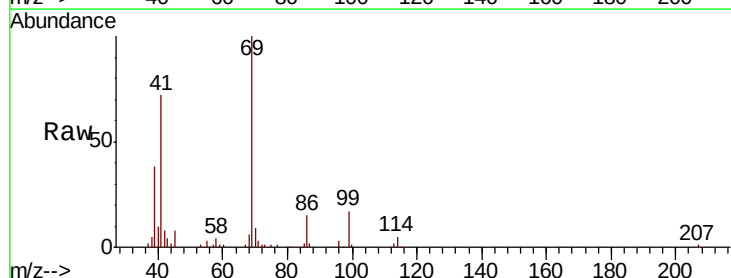
RT: 10.42 min Scan# 2688

Delta R.T. -0.00 min

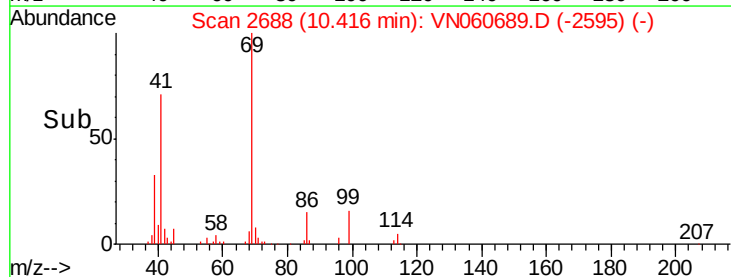
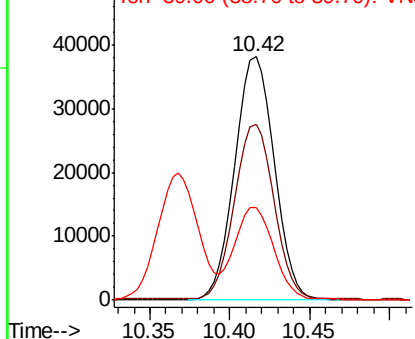
Lab File: VN060689.D

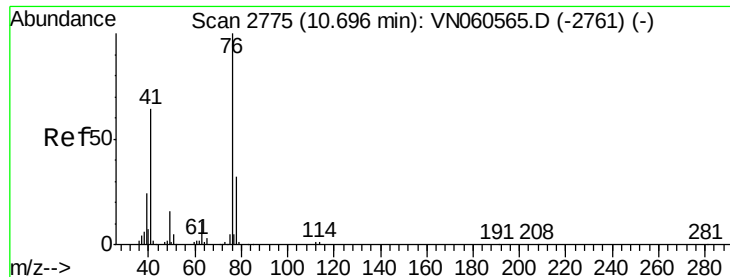
Acq: 25 Mar 2020 12:12

Tgt Ion:	69	Resp:	64448
Ion	Ratio	Lower	Upper
69	100		
41	71.4	55.4	83.2
39	36.9	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





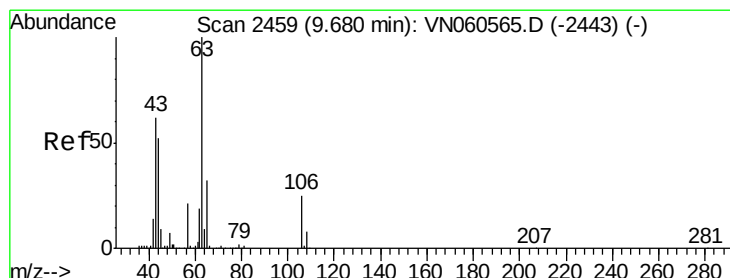
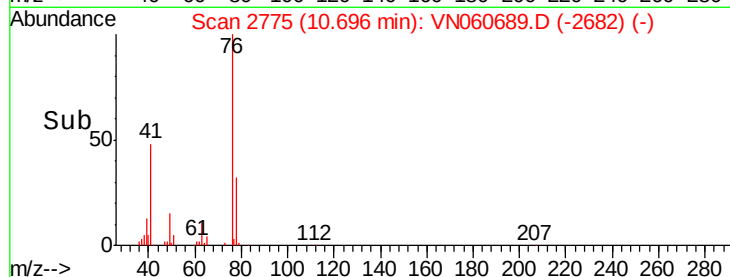
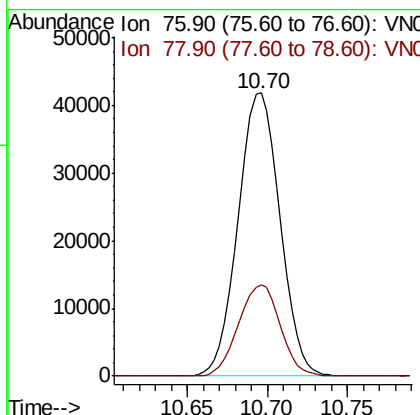
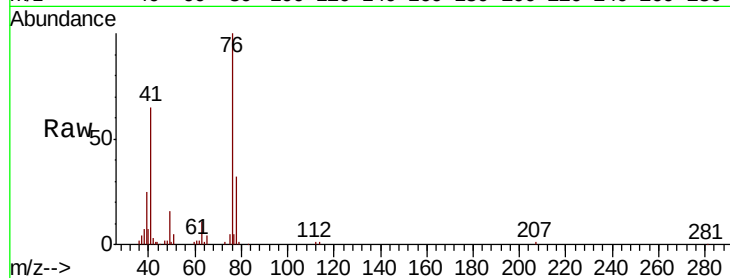
#57
 1,3-Dichloropropane
 Concen: 19.727 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

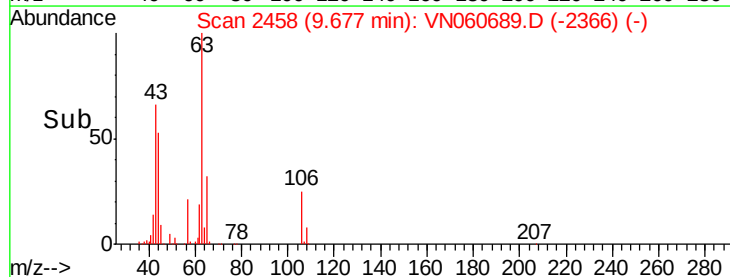
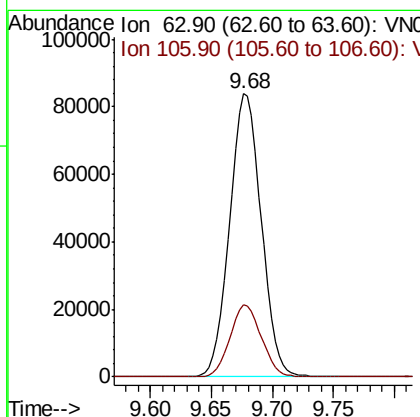
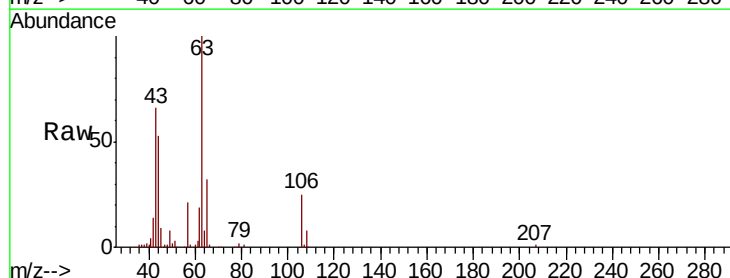
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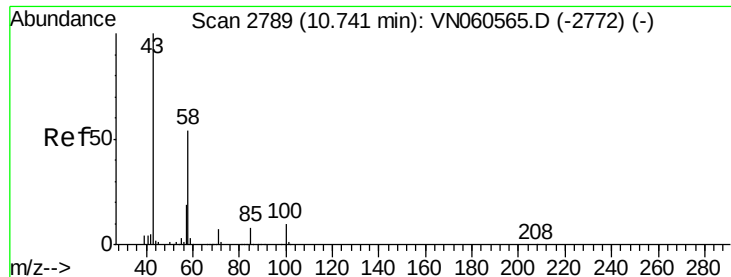
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#58
 2-Chloroethyl Vinyl ether
 Concen: 89.503 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.2	20.0	30.0





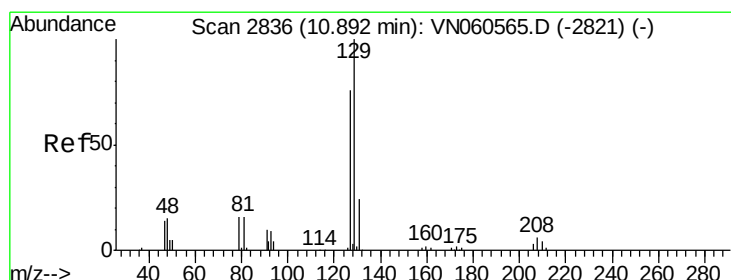
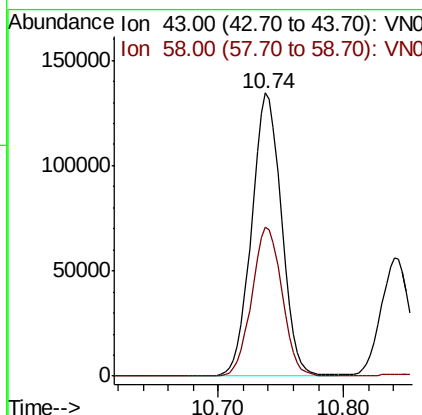
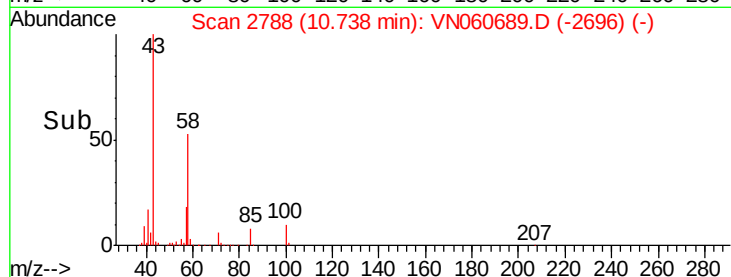
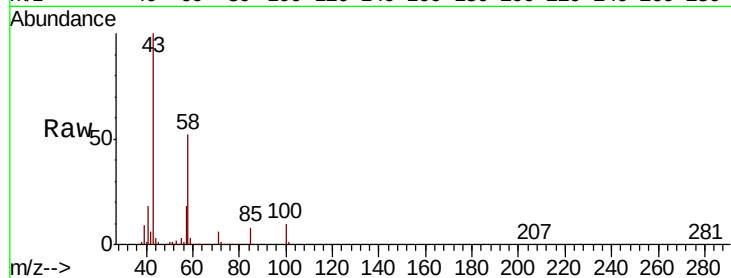
#59
2-Hexanone
Concen: 97.859 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion: 43 Resp: 222399
Ion Ratio Lower Upper
43 100
58 53.2 26.7 80.1

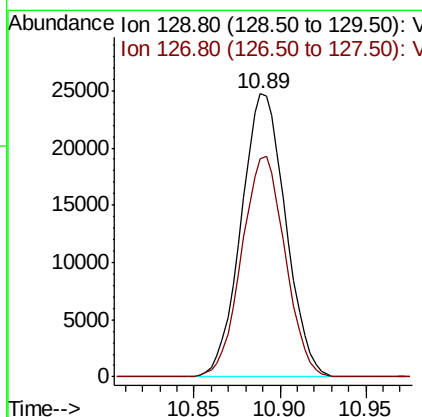
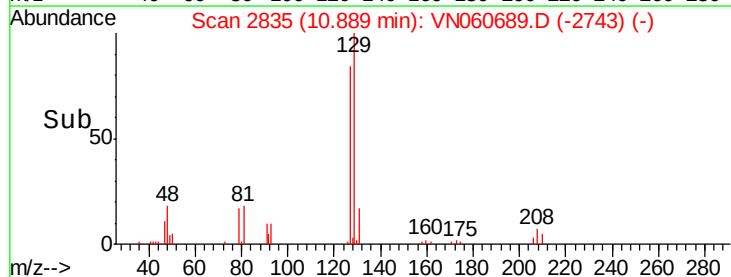
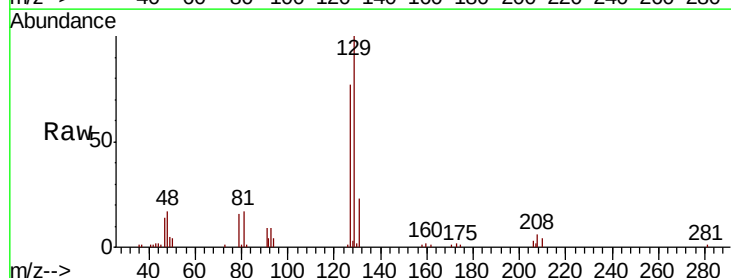
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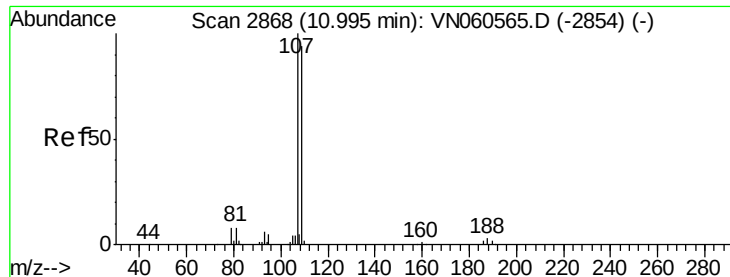
apatel
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#60
Dibromochloromethane
Concen: 19.731 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion: 129 Resp: 44475
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





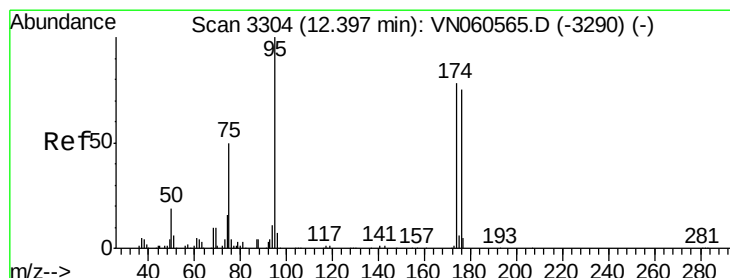
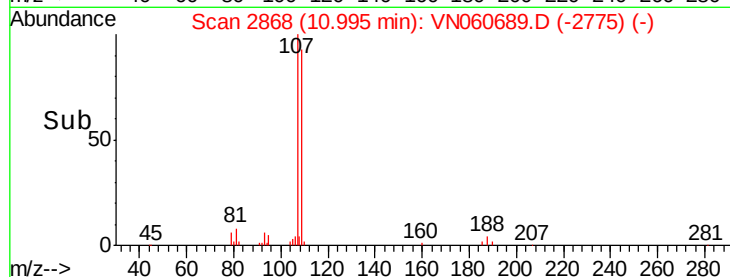
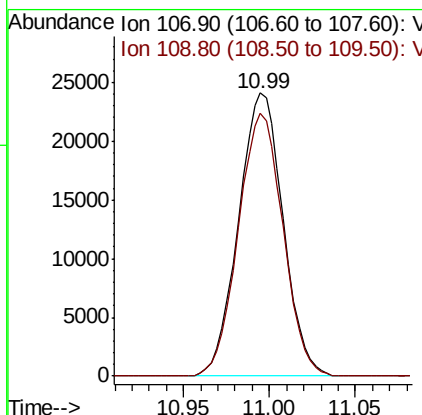
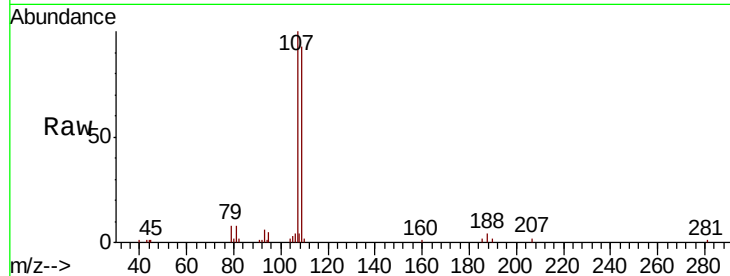
#61
 1,2-Dibromoethane
 Concen: 19.692 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion:107 Resp: 43211
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.4 113.2

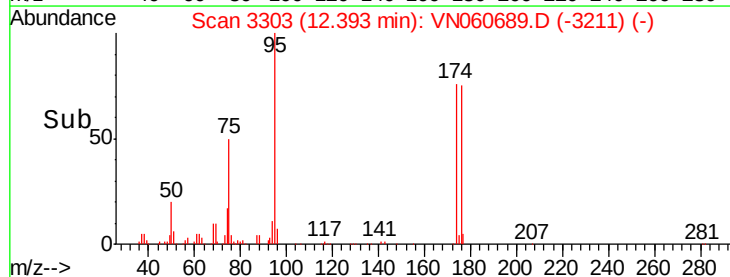
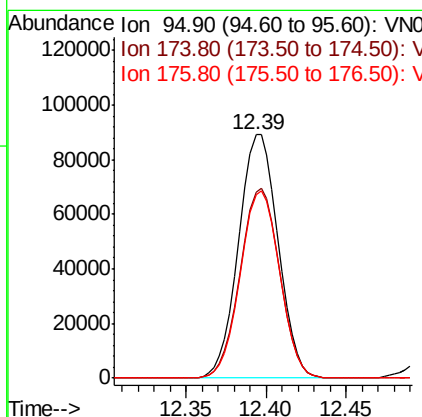
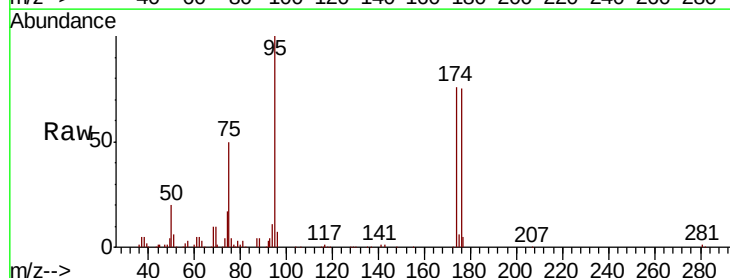
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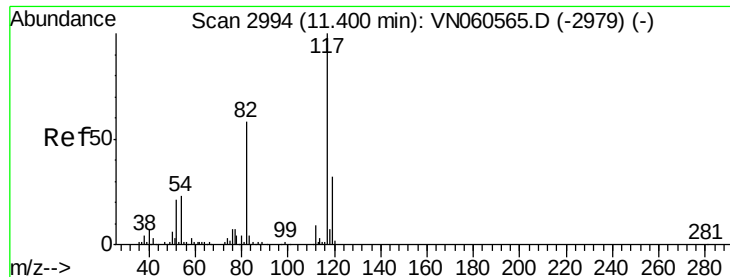
apatel
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#62
 4-Bromofluorobenzene
 Concen: 51.659 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion: 95 Resp: 150242
 Ion Ratio Lower Upper
 95 100
 174 77.8 0.0 157.6
 176 76.4 0.0 150.6





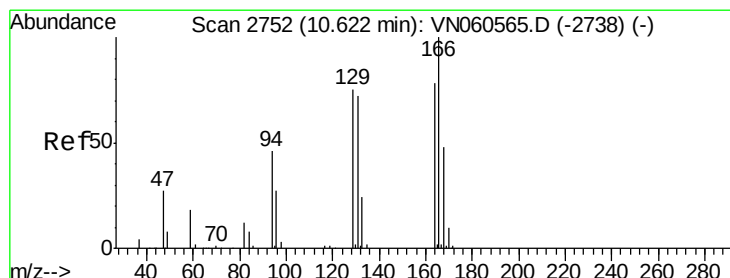
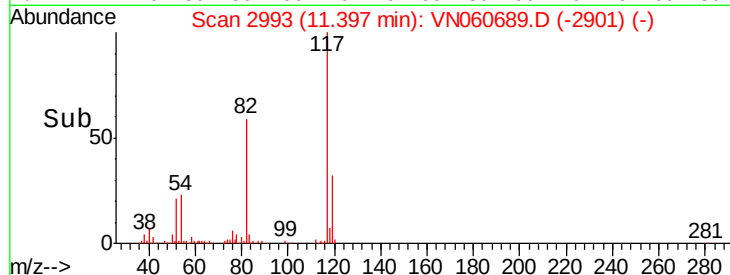
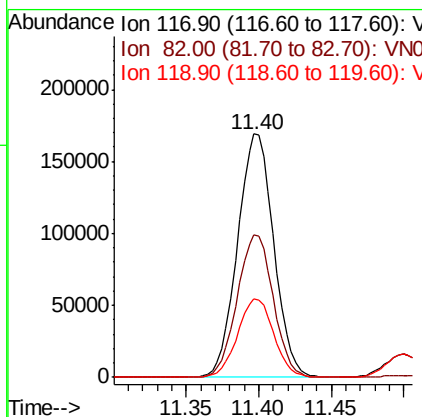
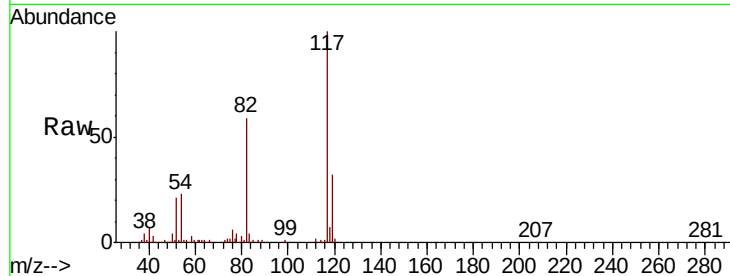
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.7	70.1
119	32.1	25.5	38.3

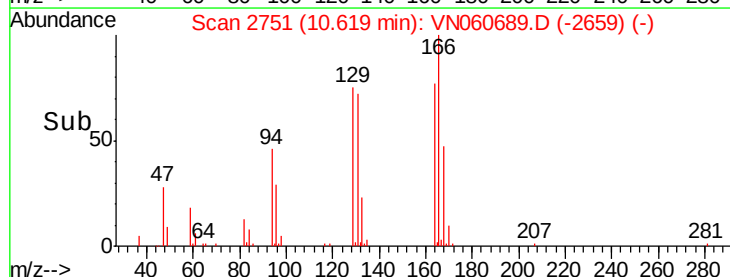
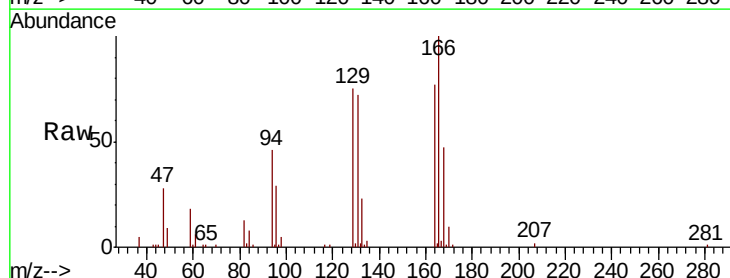
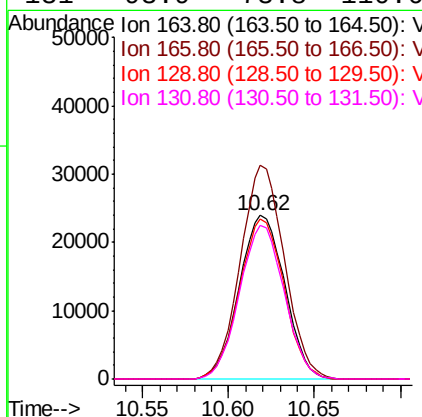
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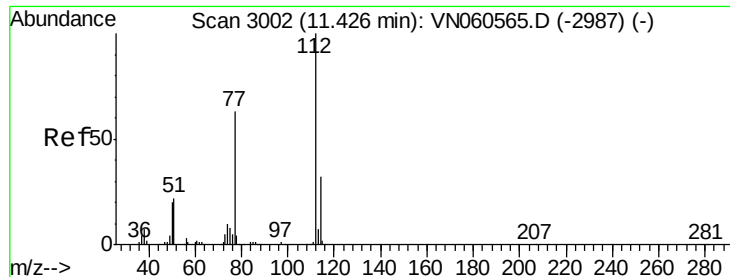
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#64
Tetrachloroethene
Concen: 19.100 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	102.7	154.1
129	98.0	77.2	115.8
131	93.9	73.8	110.6





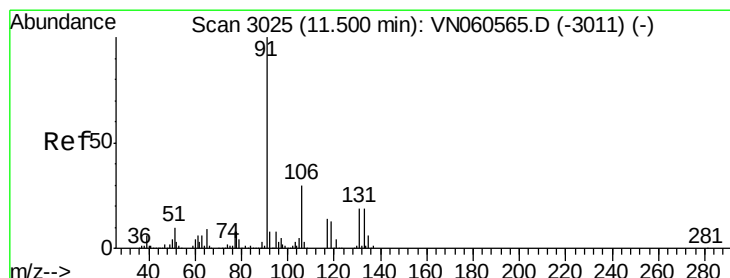
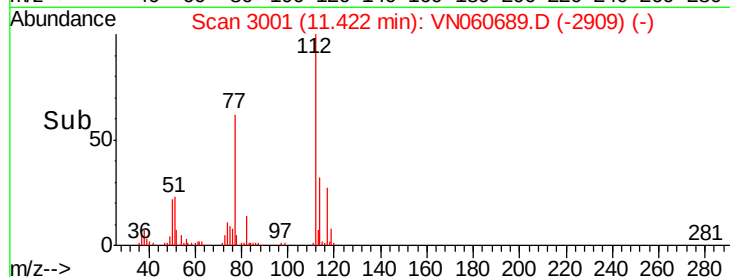
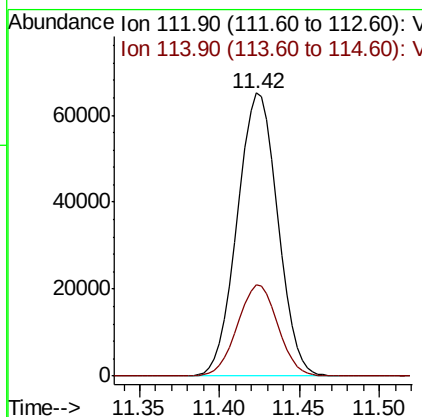
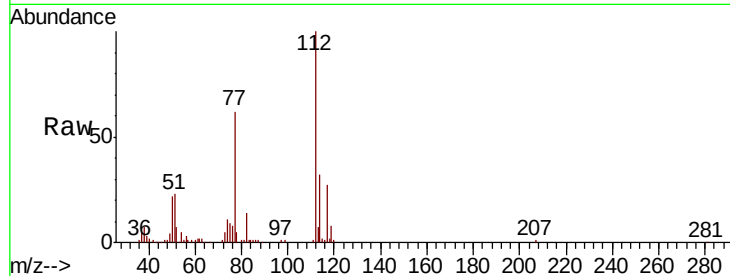
#65
Chlorobenzene
Concen: 19.353 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

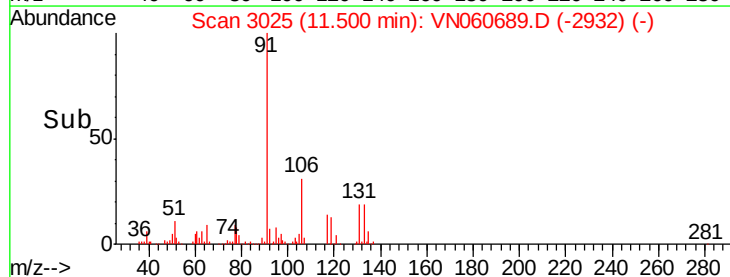
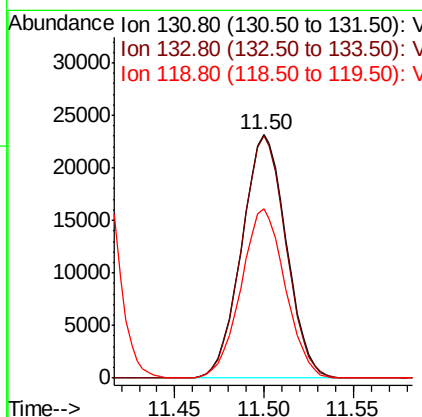
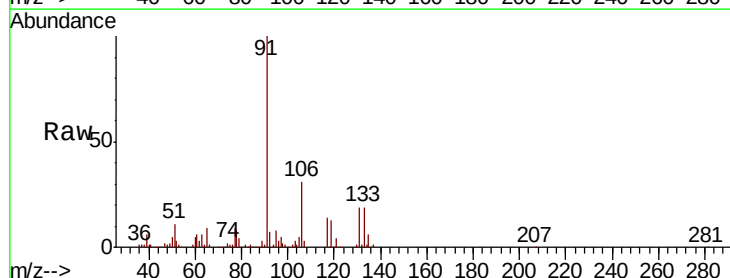
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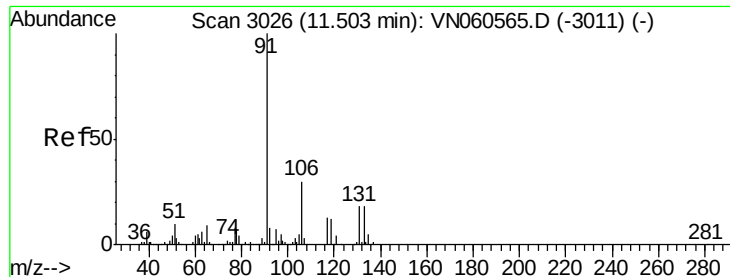
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.172 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.7	48.9	146.8
119	68.7	33.9	101.7





#67

Ethyl Benzene

Concen: 19.396 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 91 Resp: 209701

Ion Ratio Lower Upper

91 100

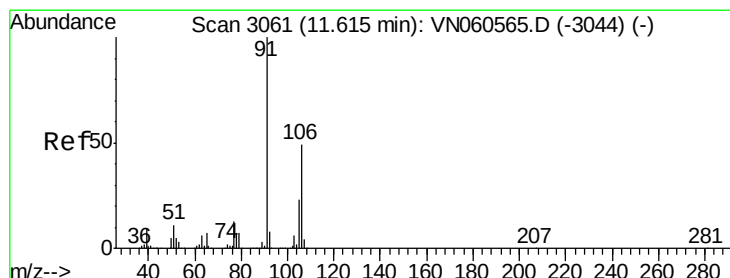
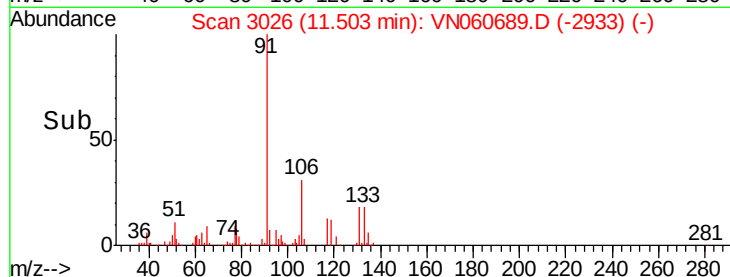
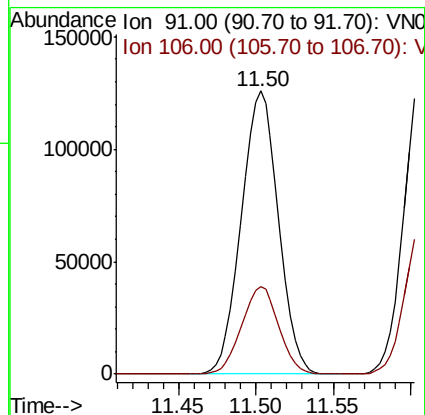
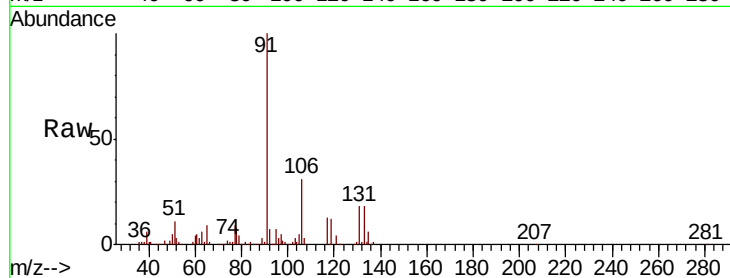
106 30.9 24.2 36.2

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#68

m/p-Xylenes

Concen: 38.739 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060689.D

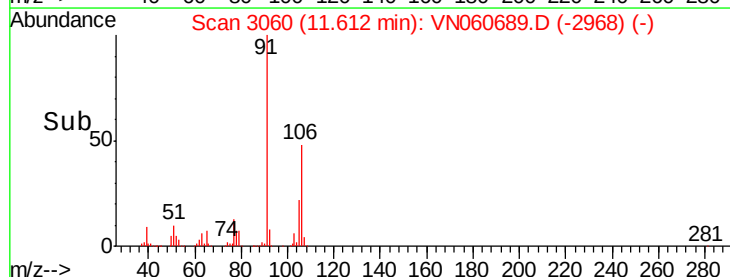
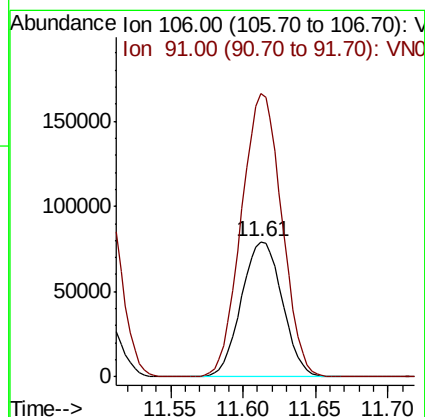
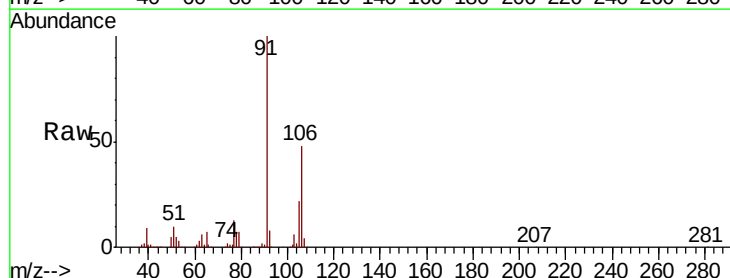
Acq: 25 Mar 2020 12:12

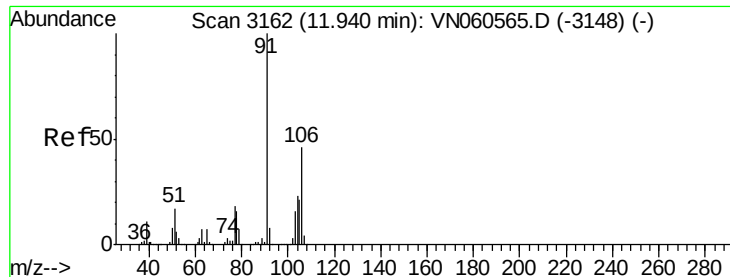
Tgt Ion: 106 Resp: 155642

Ion Ratio Lower Upper

106 100

91 207.5 165.0 247.4





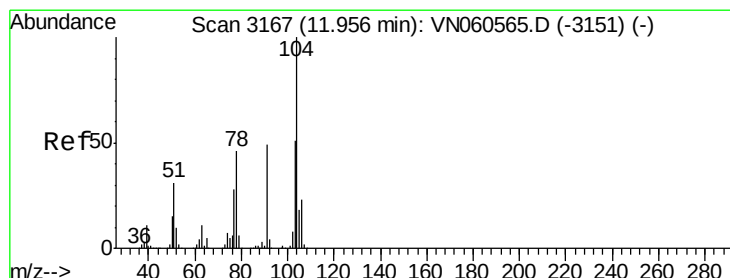
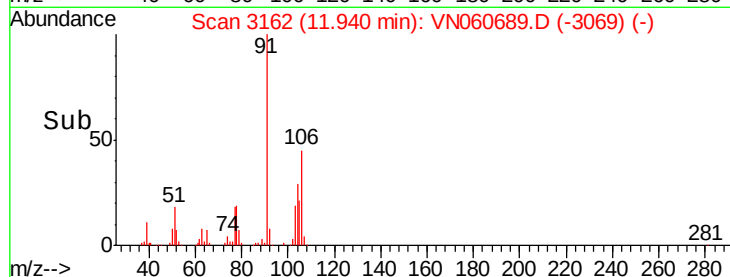
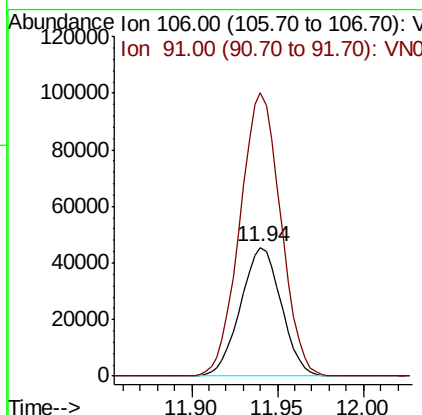
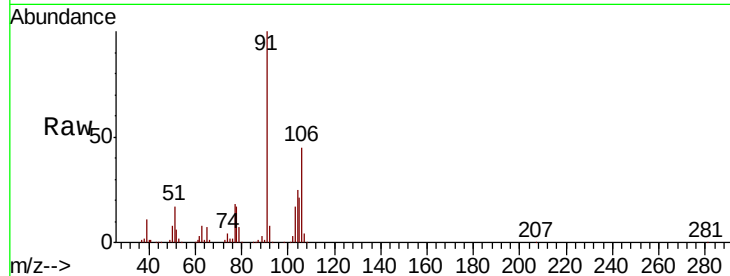
#69
o-Xylene
Concen: 19.468 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampled :
VN0325WBS01

Tot Ion:106 Resp: 74667
Ion Ratio Lower Upper
106 100
91 220.6 109.5 328.4

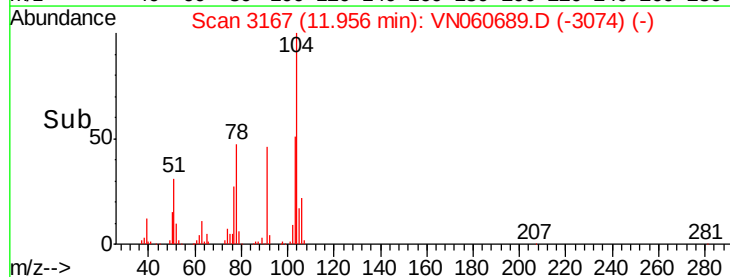
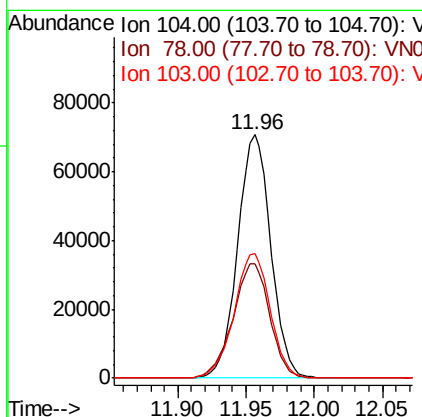
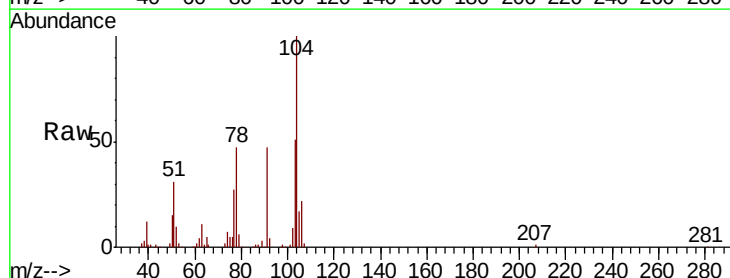
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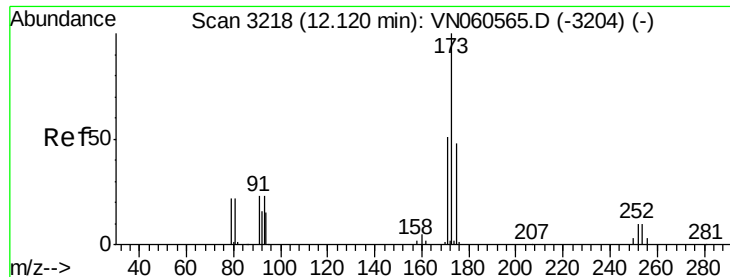
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#70
Styrene
Concen: 19.032 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion:104 Resp: 119382
Ion Ratio Lower Upper
104 100
78 51.9 41.2 61.8
103 55.6 44.0 66.0





#71

Bromoform

Concen: 18.604 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion:173 Resp: 30639

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

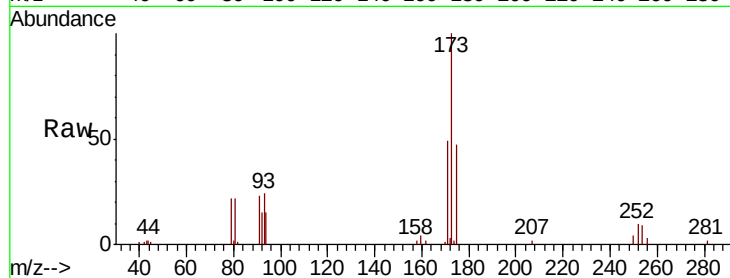
254 0.0 0.0 0.0

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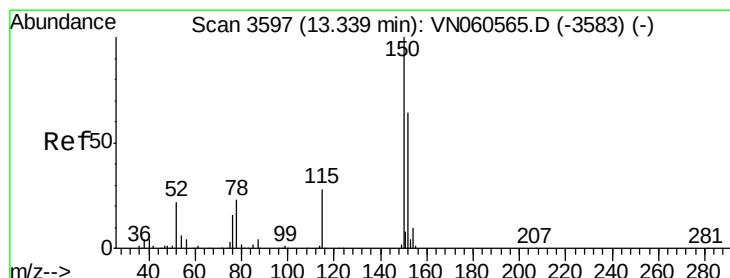
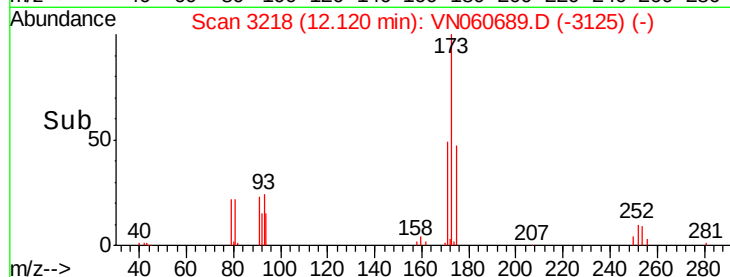
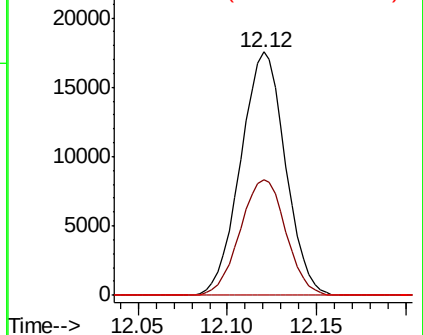
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

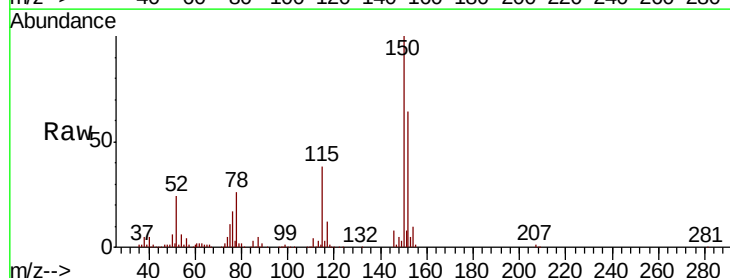
Tgt Ion:152 Resp: 139102

Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

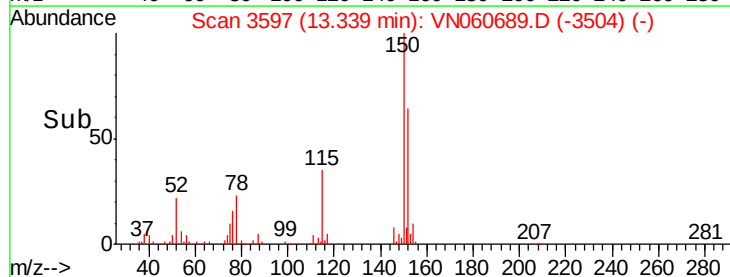
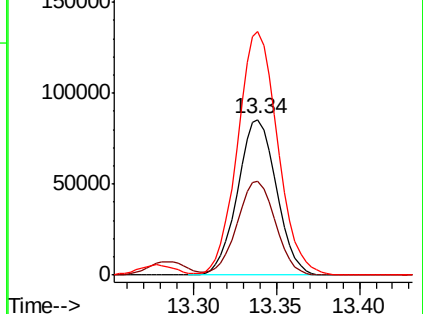
150 162.5 0.0 350.2

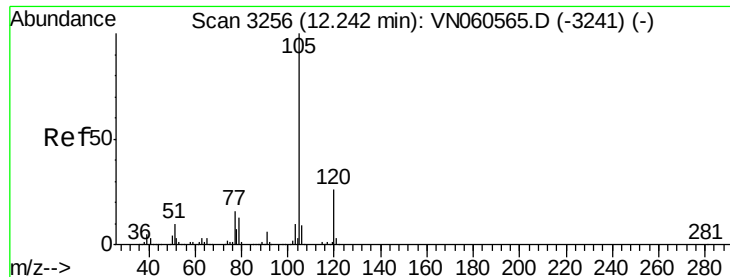


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.075 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampleId :

VN0325WBS01

Tot Ion: 105 Resp: 199128

Ion Ratio Lower Upper

105 100

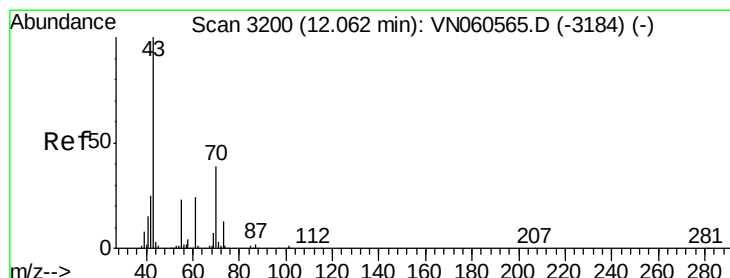
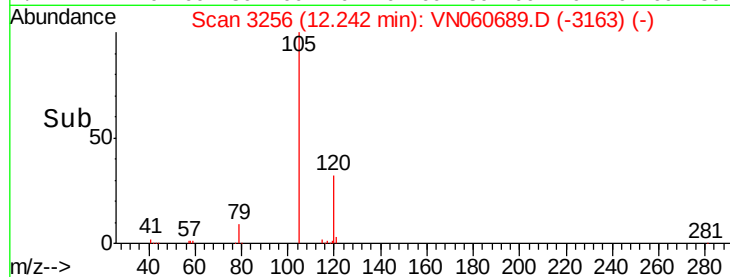
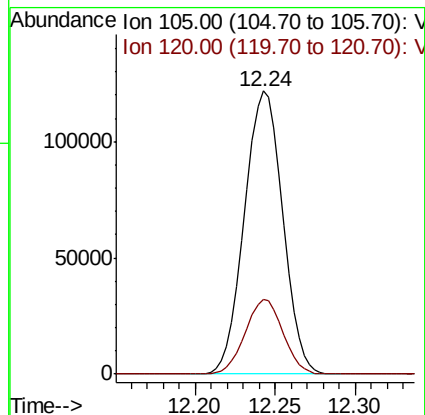
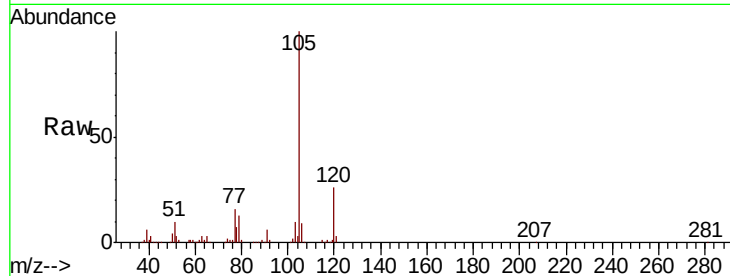
120 25.9 13.1 39.1

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#74

N-ethyl acetate

Concen: 18.542 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion: 43 Resp: 89440

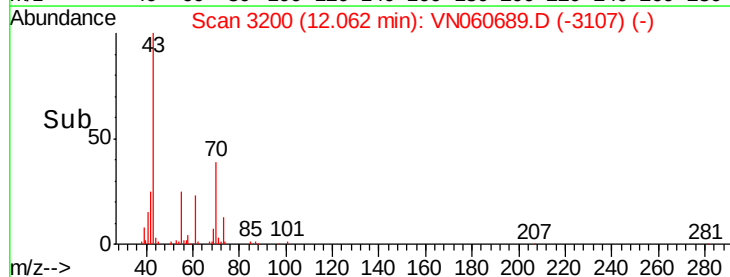
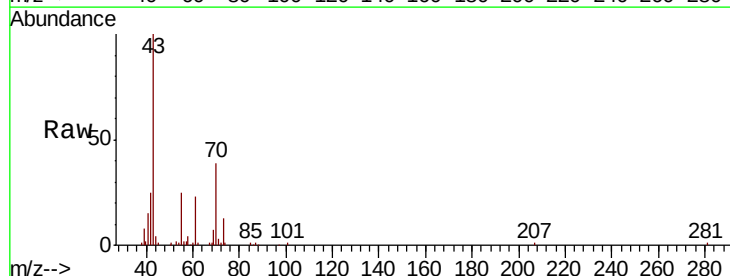
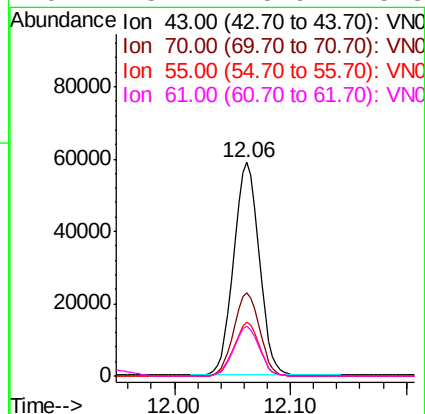
Ion Ratio Lower Upper

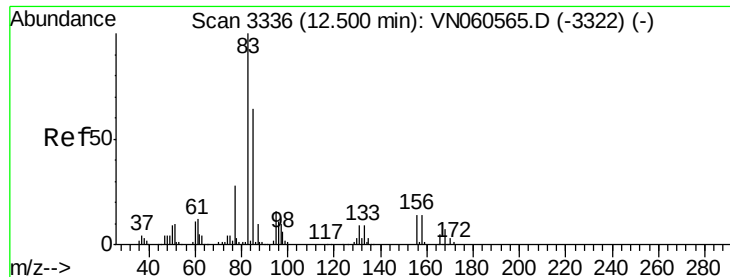
43 100

70 39.1 31.1 46.7

55 24.7 18.6 27.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.282 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

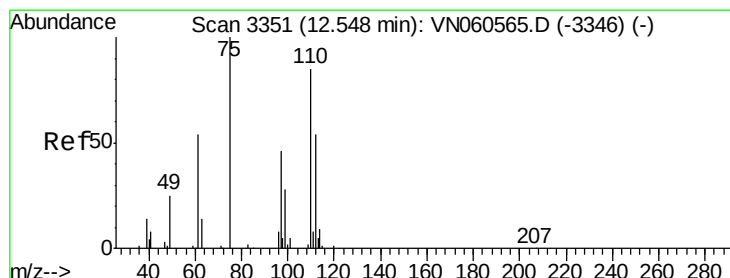
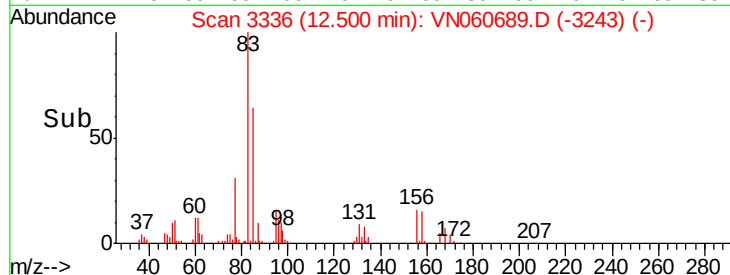
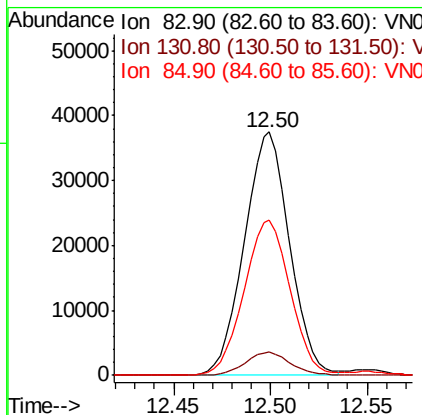
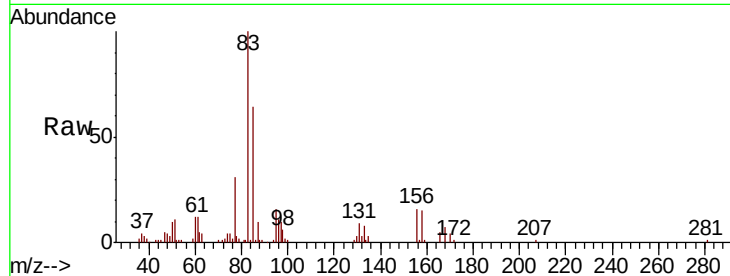
ClientSampleId :

VN0325WBS01

Tot Ion:	83	Resp:	60871
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	65.0	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.073 ug/l m

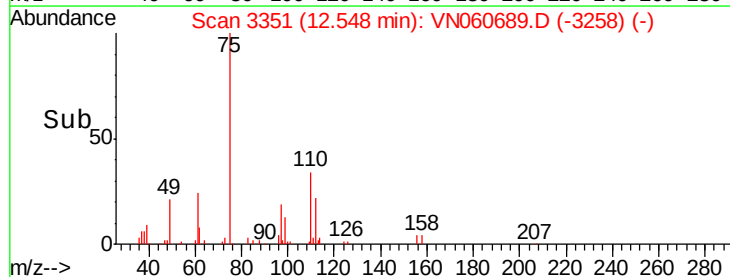
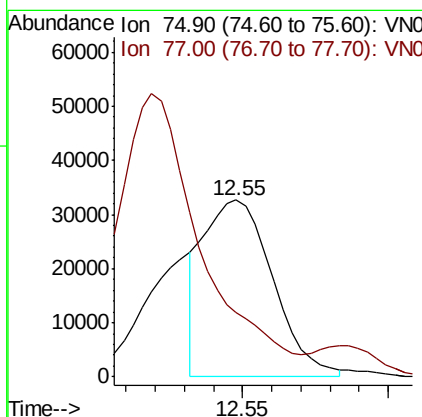
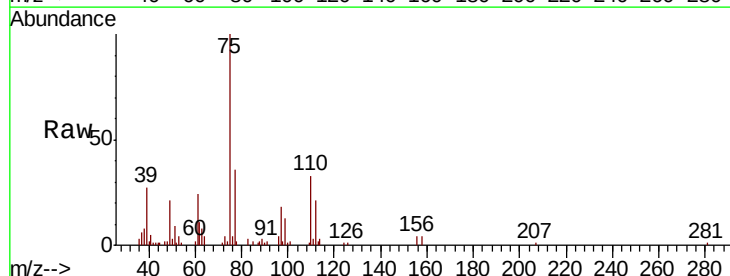
RT: 12.55 min Scan# 3351

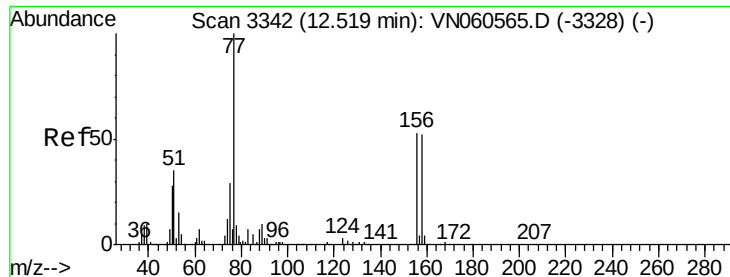
Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	75	Resp:	54247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





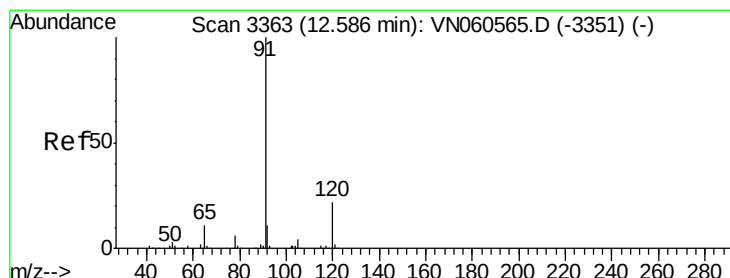
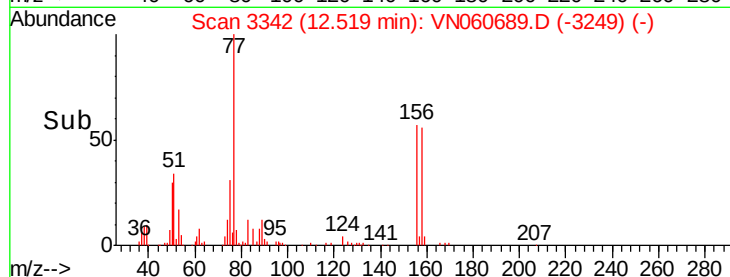
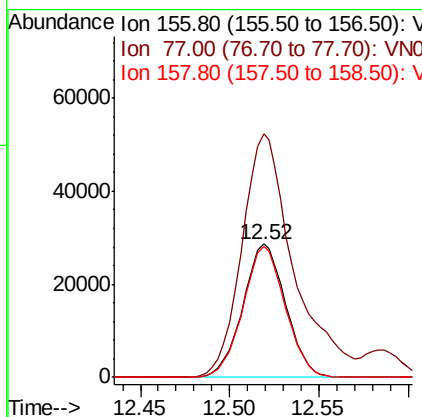
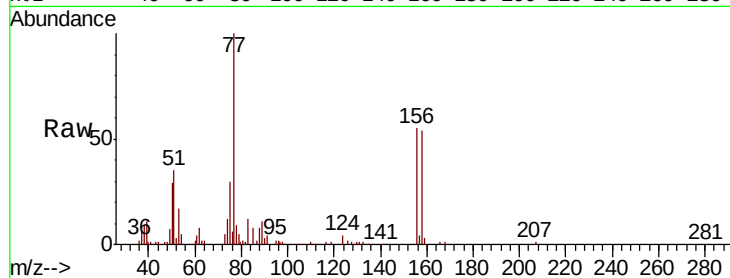
#77
Bromobenzene
Concen: 19.043 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	221.6	112.3	337.0	
158	97.3	48.6	145.8	

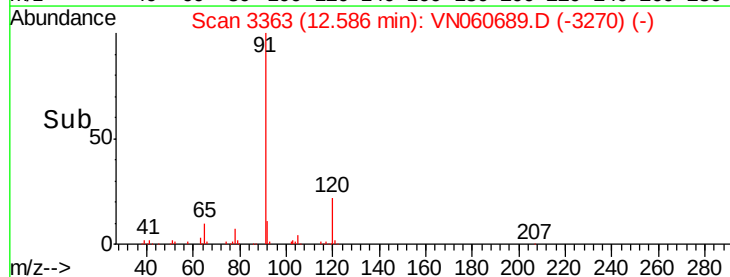
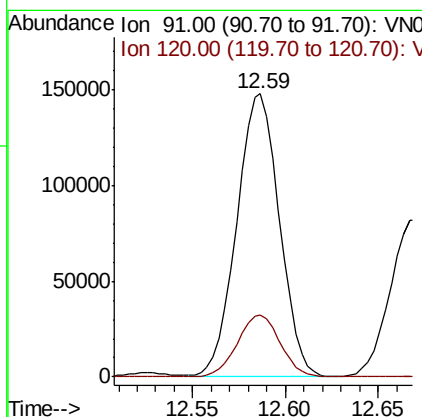
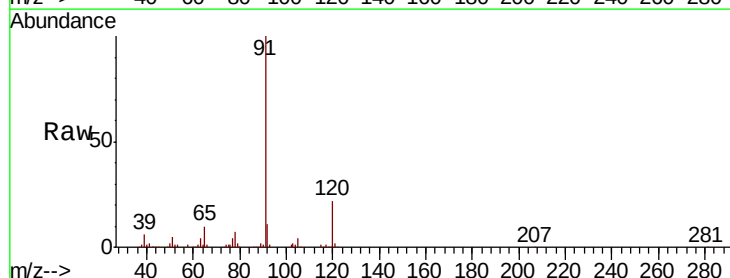
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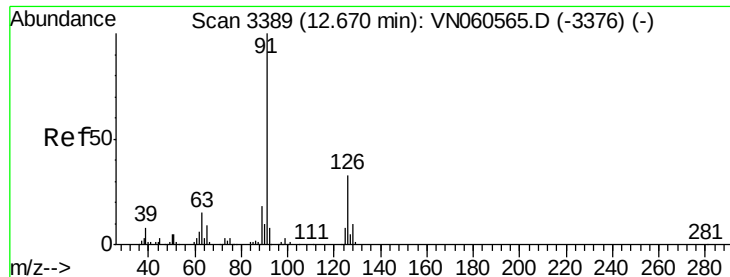
apatel
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#78
n-propylbenzene
Concen: 19.063 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.3	33.8	





#79

2-Chlorotoluene

Concen: 18.660 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

ClientSampled :

VN0325WBS01

Tot Ion: 91 Resp: 137507

Ion Ratio Lower Upper

91 100

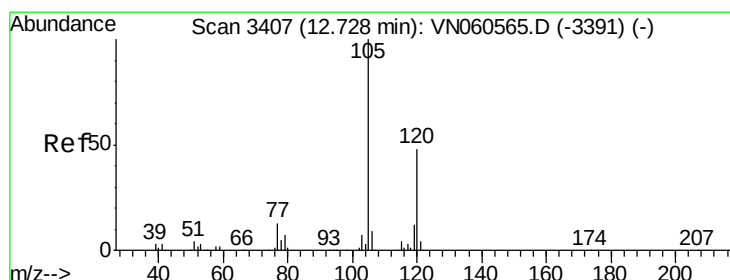
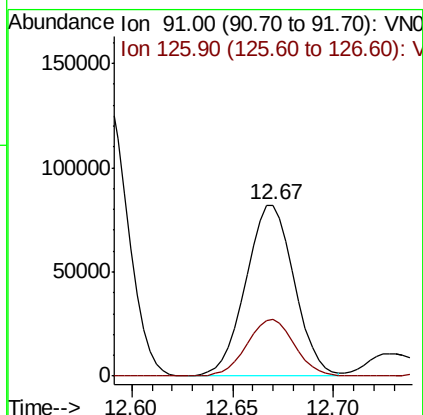
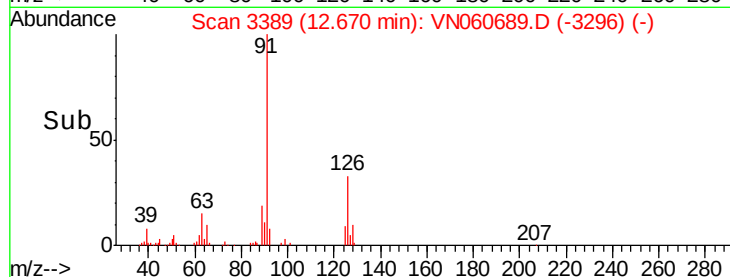
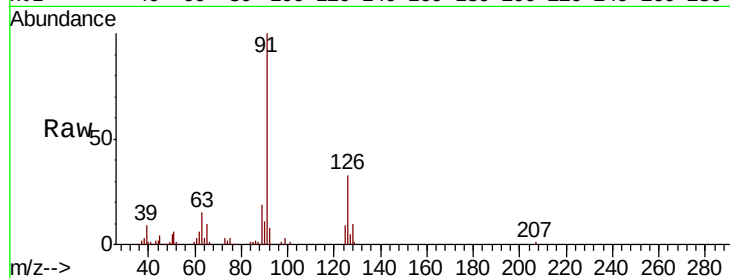
126 32.7 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.738 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060689.D

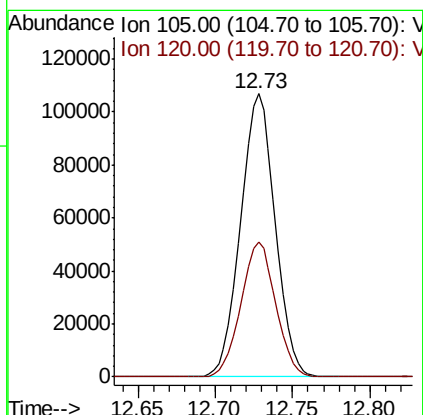
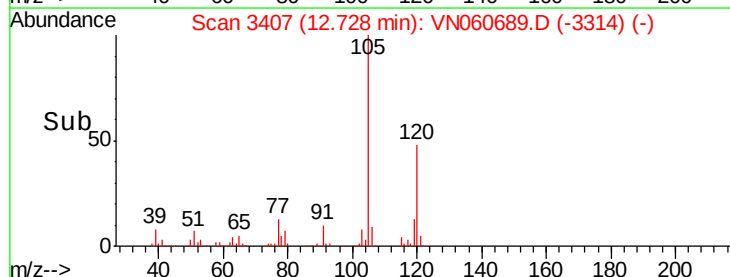
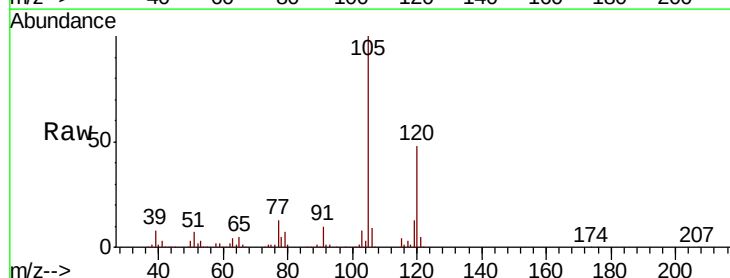
Acq: 25 Mar 2020 12:12

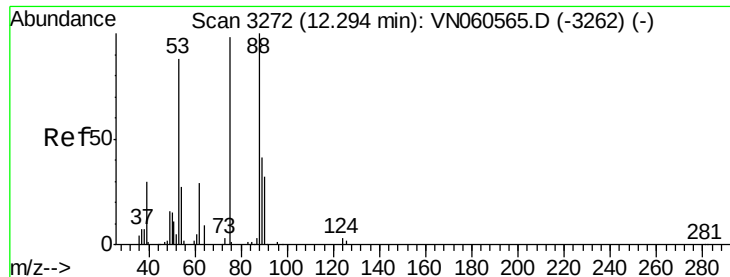
Tgt Ion: 105 Resp: 165995

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 18.662 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

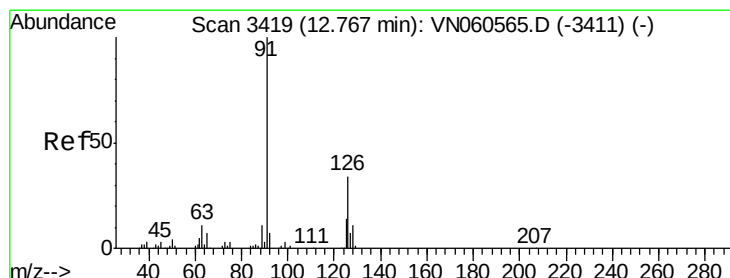
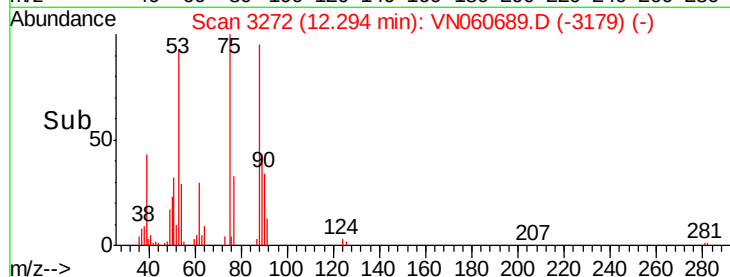
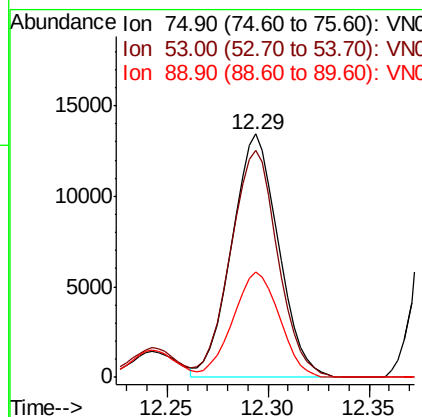
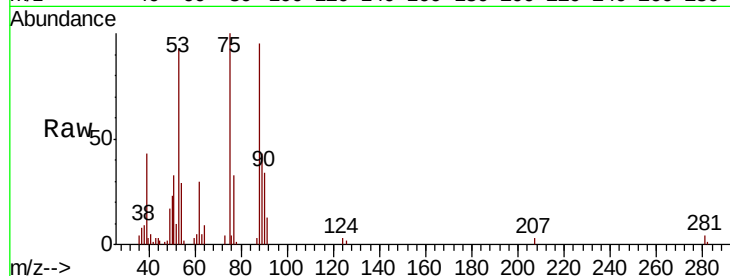
ClientSampleId :

VN0325WBS01

Tot Ion:	75	Resp:	21810
Ion	Ratio	Lower	Upper
75	100		
53	94.3	73.0	109.4
89	43.3	34.8	52.2

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#82

4-Chlorotoluene

Concen: 19.243 ug/l

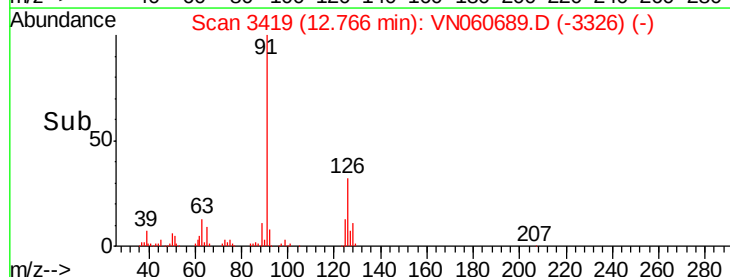
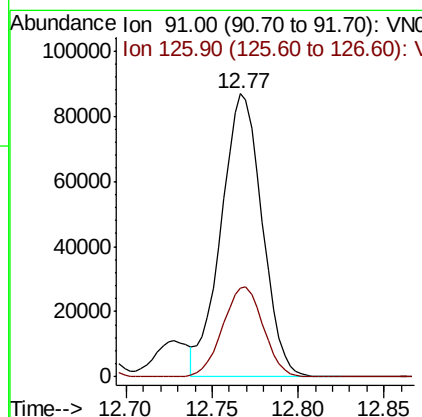
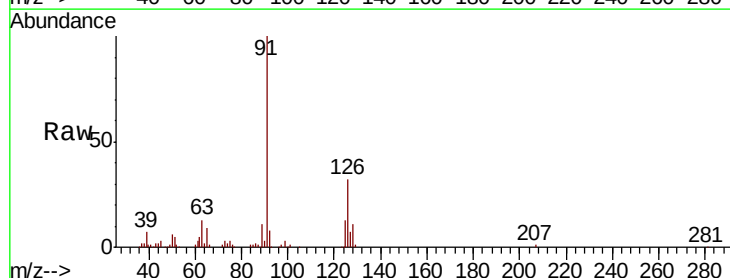
RT: 12.77 min Scan# 3419

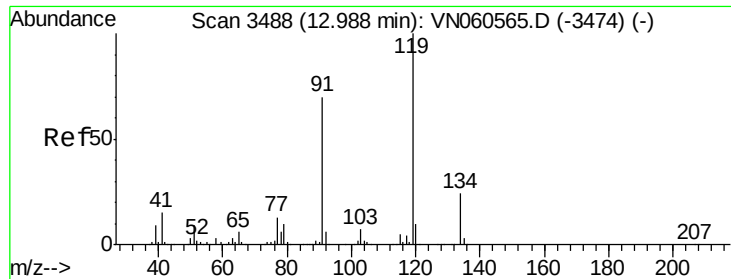
Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	91	Resp:	144424
Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.2	48.5





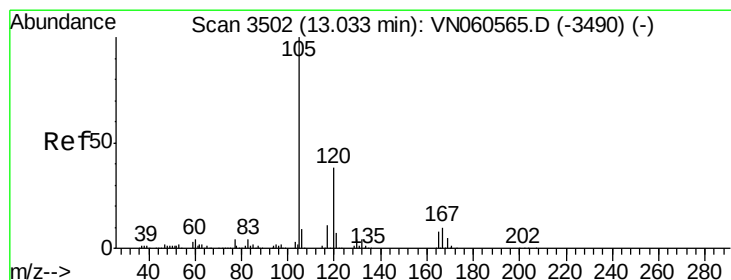
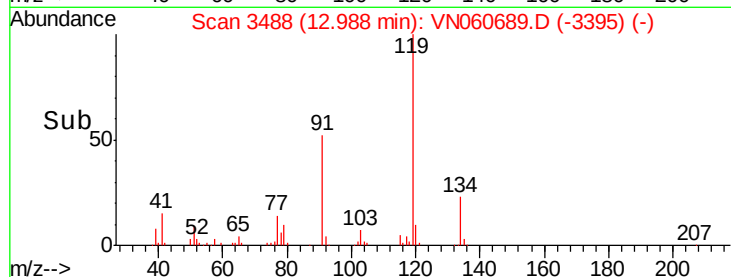
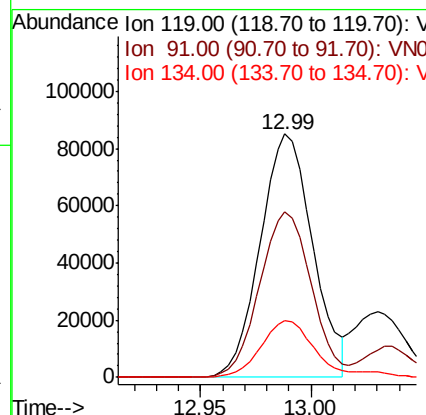
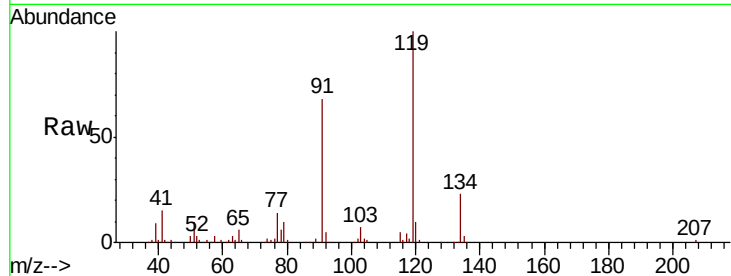
#83
 tert-Butylbenzene
 Concen: 19.099 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.1	34.0	101.8
134	23.2	12.7	38.0

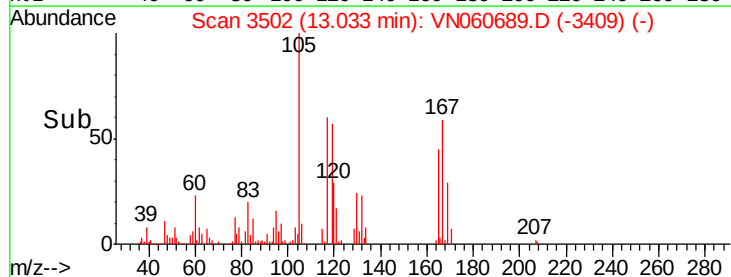
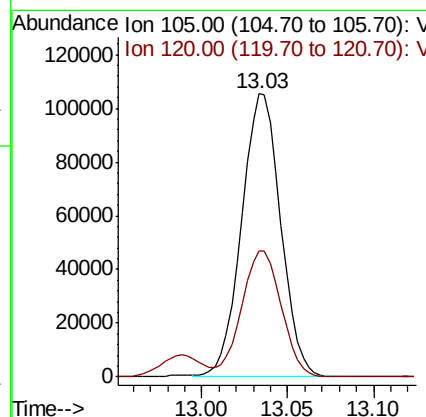
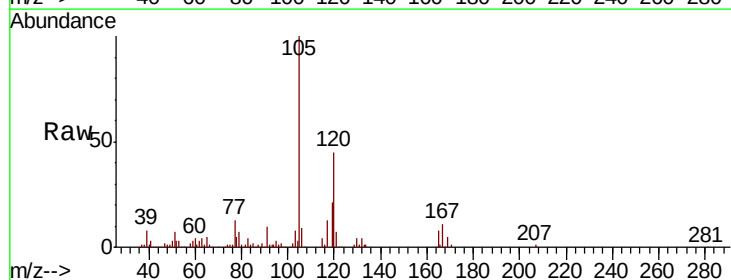
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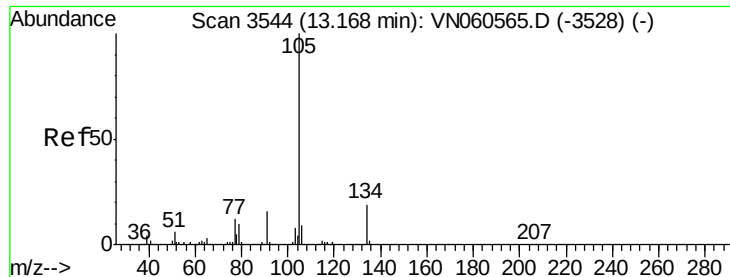
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.018 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.1	66.5





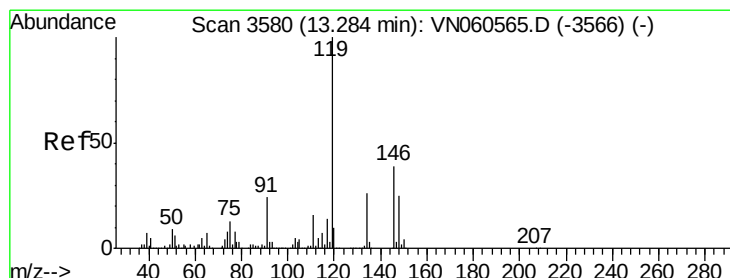
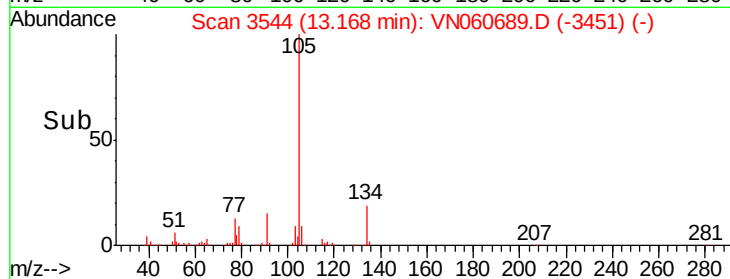
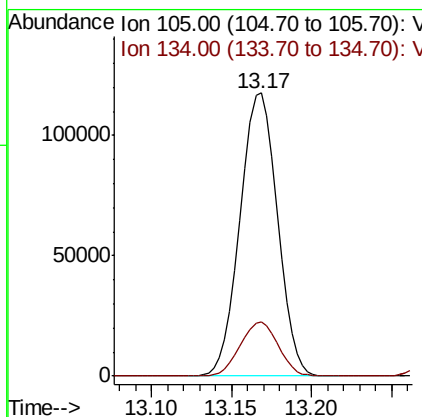
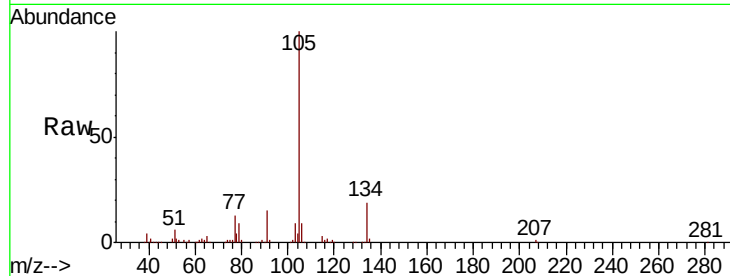
#85
 sec-Butylbenzene
 Concen: 19.013 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.6	28.8

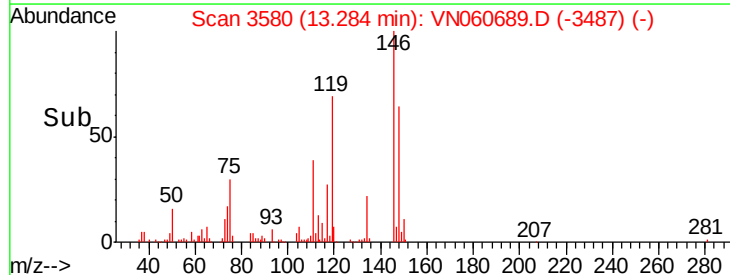
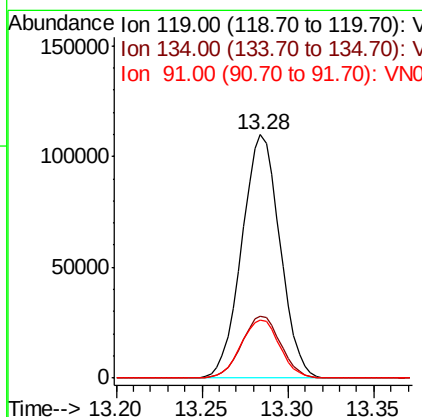
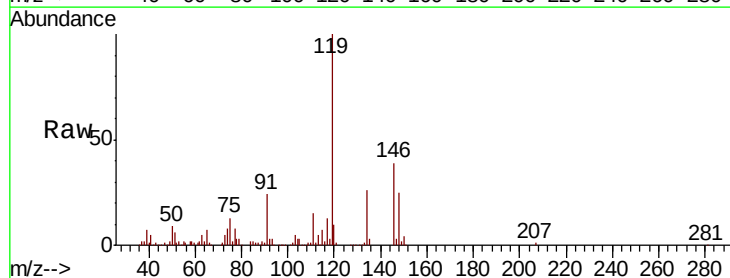
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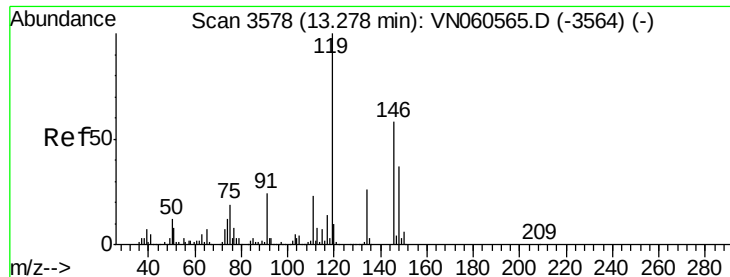
apatel
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#86
 p-Isopropyltoluene
 Concen: 19.046 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	24.5	12.0	36.0





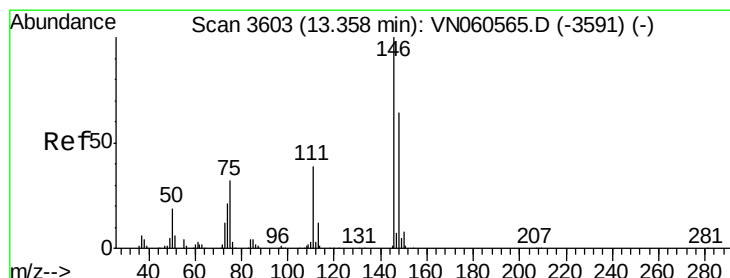
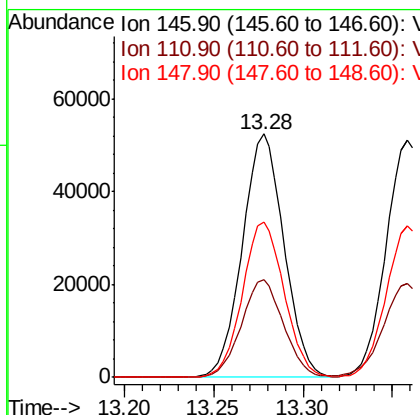
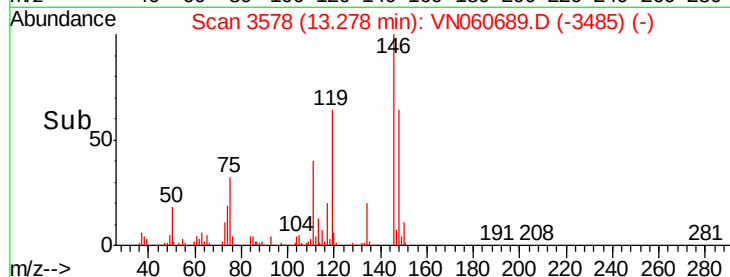
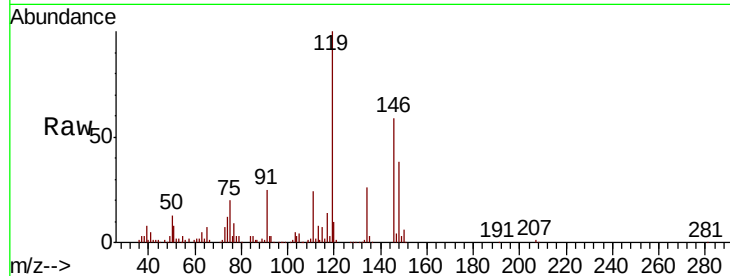
#87
 1,3-Dichlorobenzene
 Concen: 19.336 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.6	32.5	97.4

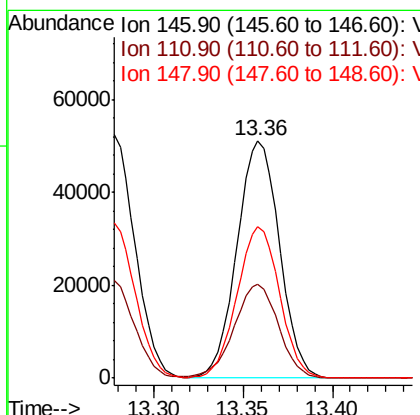
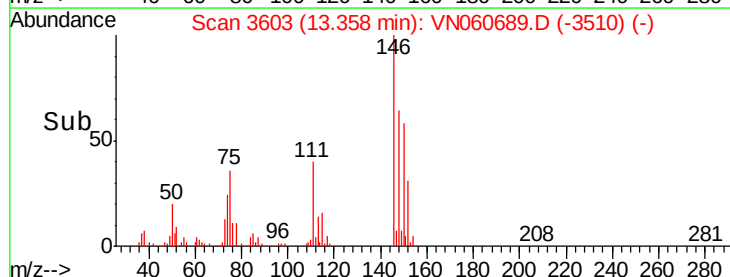
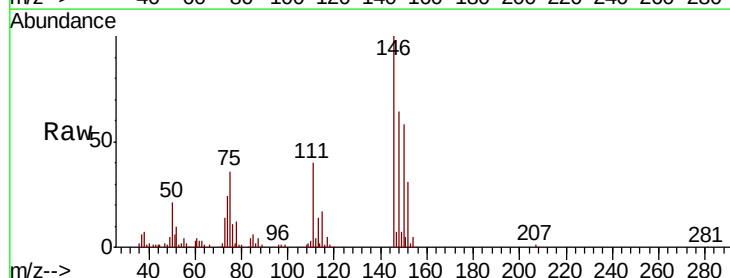
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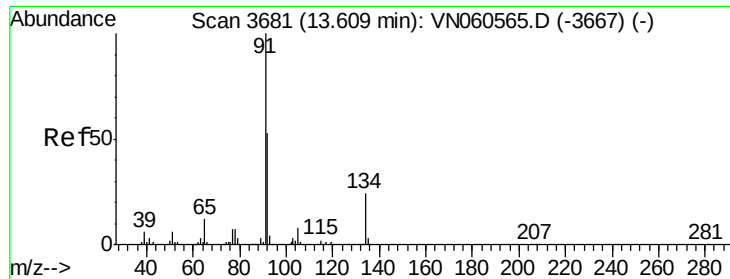
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.087 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	63.6	32.1	96.3





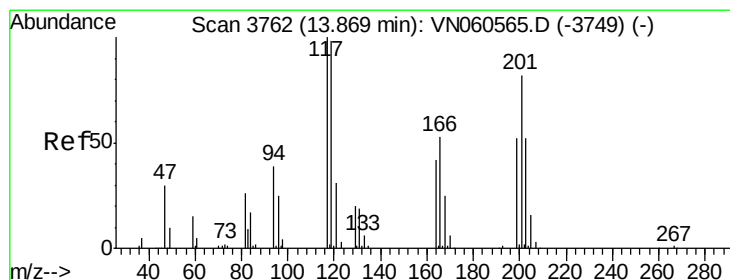
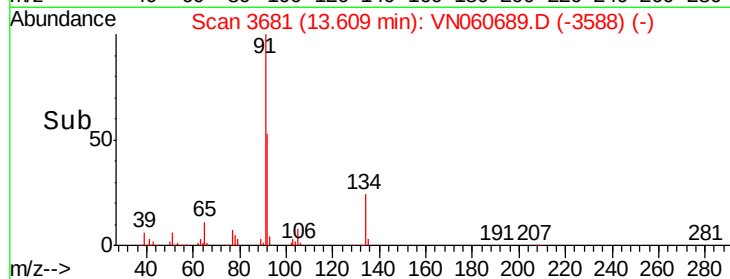
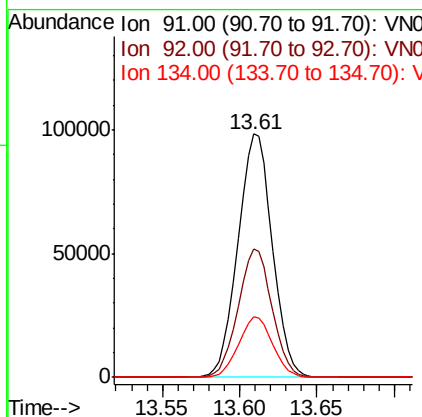
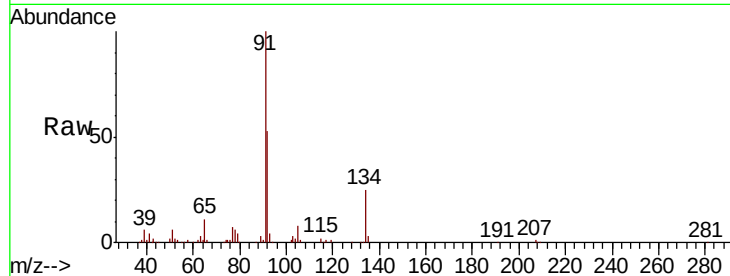
#89
n-Butylbenzene
Concen: 18.911 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	24.6	12.3	36.9

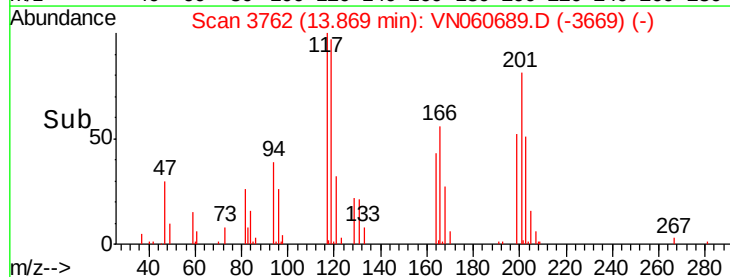
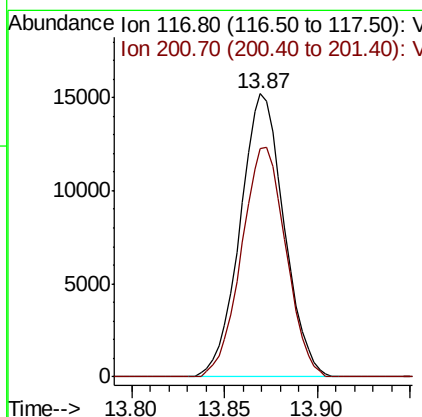
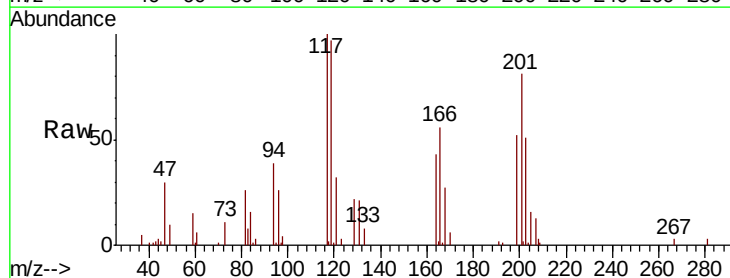
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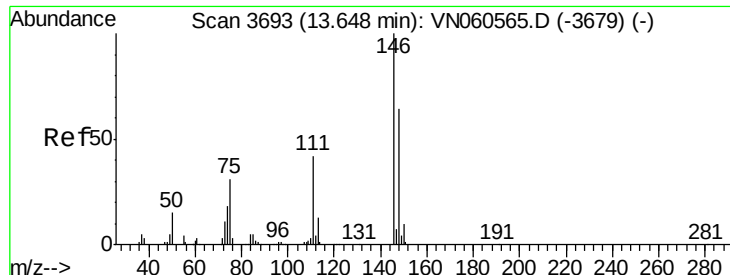
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#90
Hexachloroethane
Concen: 19.357 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.9	40.8	122.5





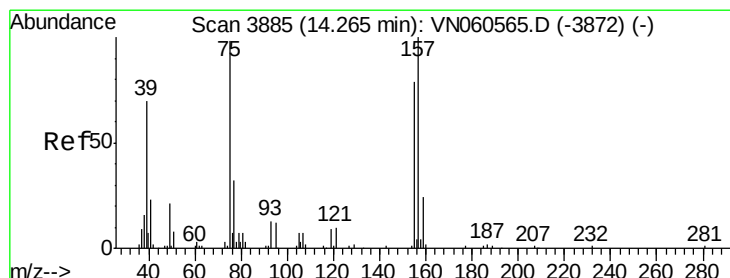
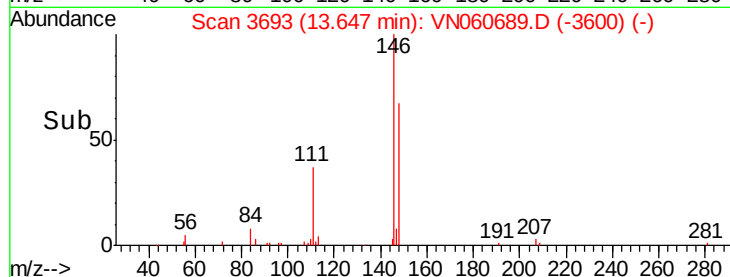
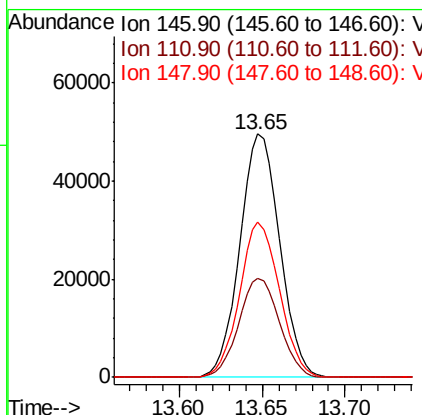
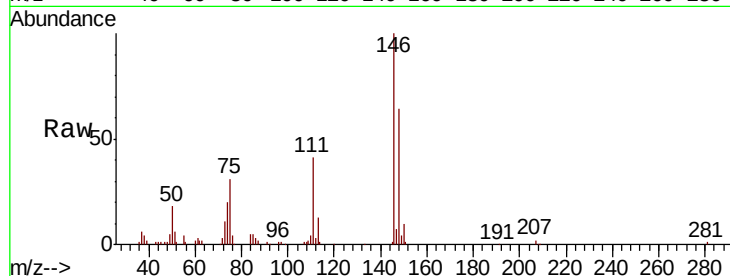
#91
 1,2-Dichlorobenzene
 Concen: 19.566 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0325WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	63.6	31.9	95.5

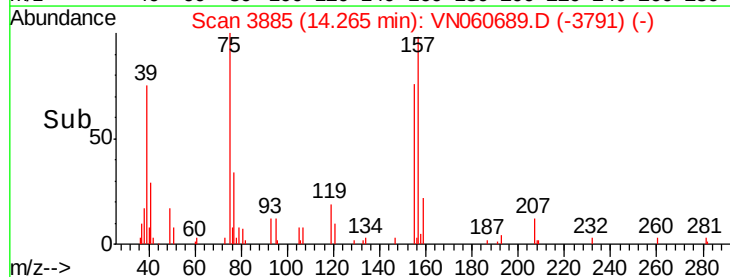
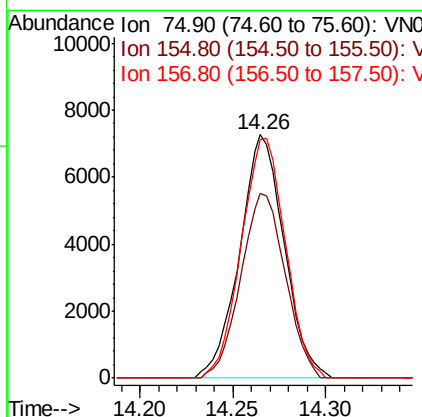
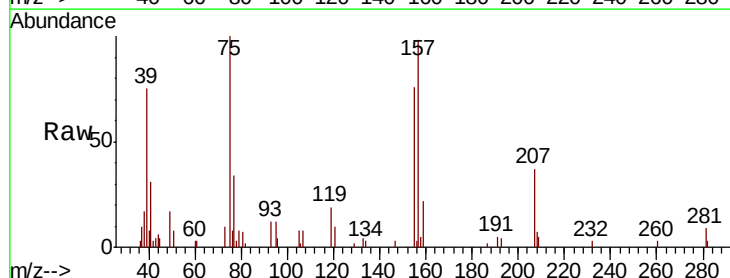
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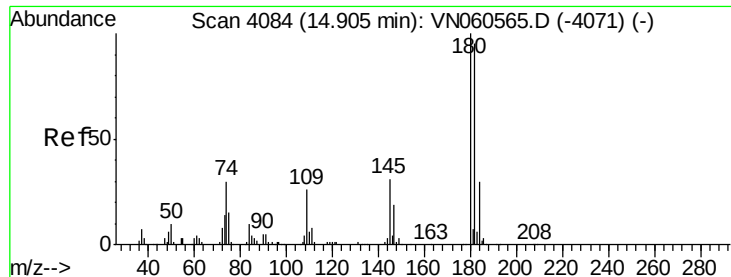
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.118 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060689.D
 Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.9	40.7	122.1
157	97.8	51.5	154.7





#93

1,2,4-Trichlorobenzene

Concen: 19.115 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Instrument :

MSVOA_N

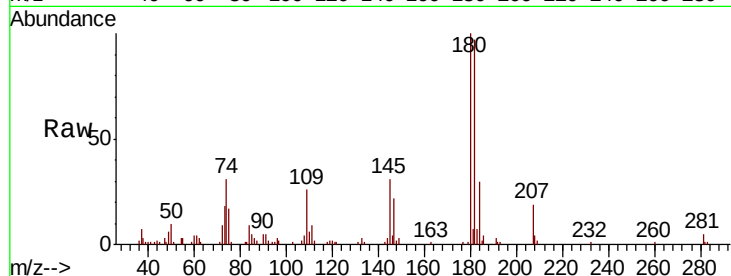
ClientSampled :

VN0325WBS01

Tot Ion:	180	Resp:	49797
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.9	143.8
145	30.4	15.4	46.2

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3/26/2020 11:00:12 AM

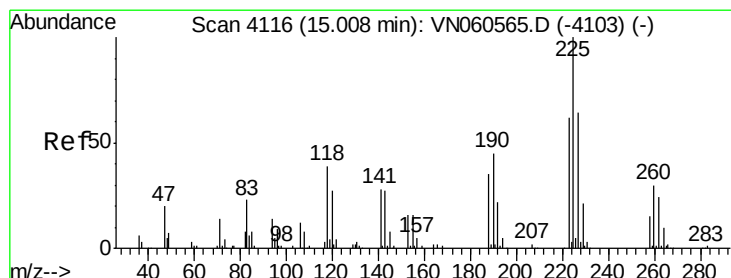
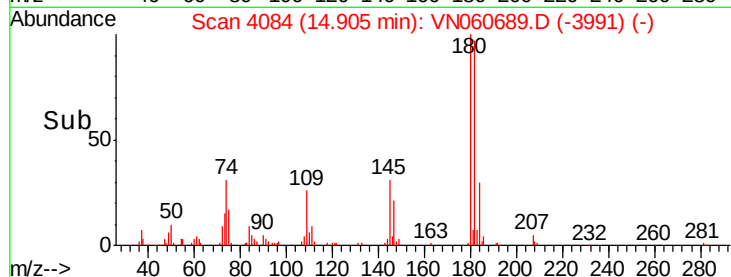
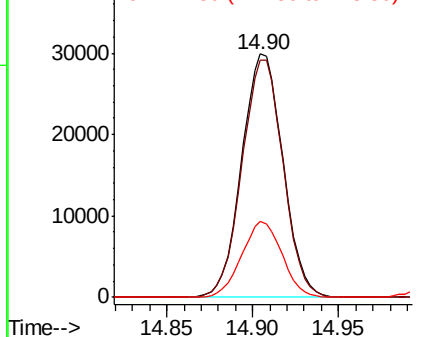


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 19.016 ug/l

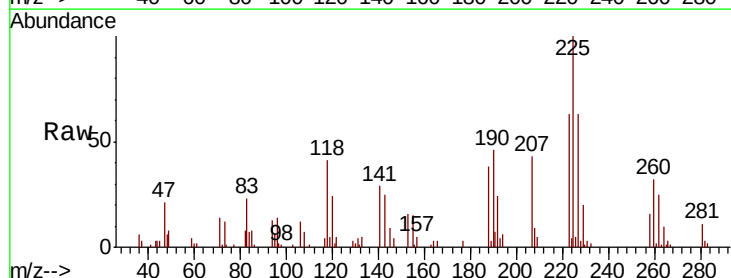
RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060689.D

Acq: 25 Mar 2020 12:12

Tgt Ion:	225	Resp:	24285
Ion Ratio	Lower	Upper	
225	100		
223	62.7	31.6	95.0
227	64.4	32.3	96.8

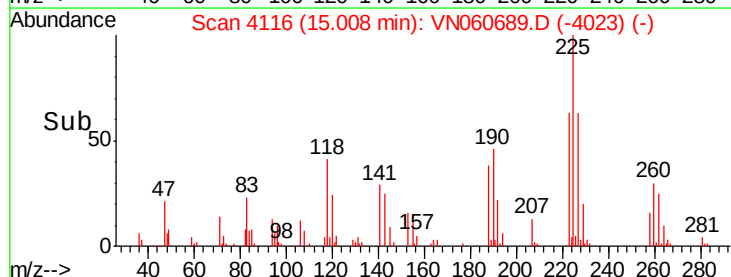
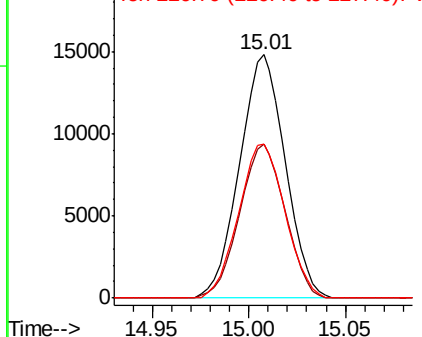


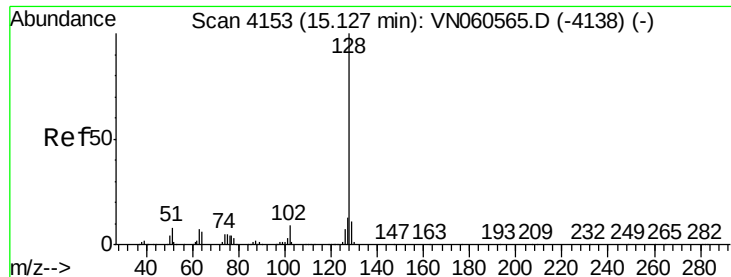
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





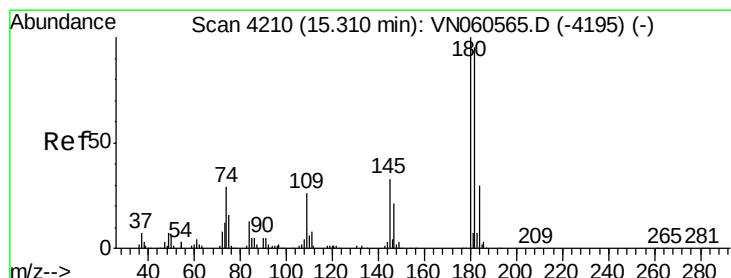
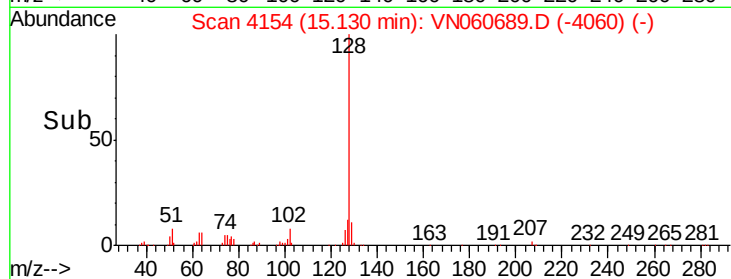
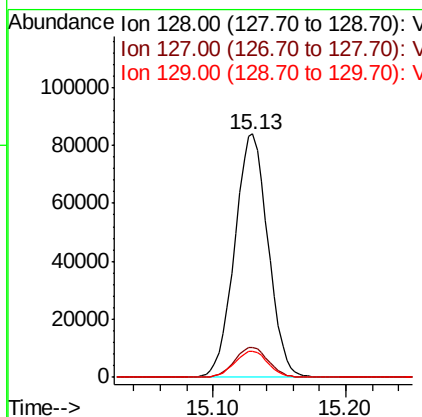
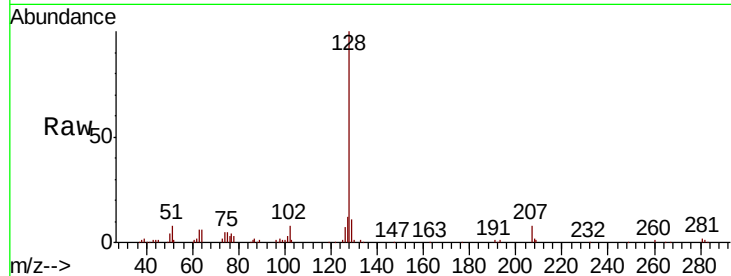
#95
Naphthalene
Concen: 18.713 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Instrument :
MSVOA_N
ClientSampleId :
VN0325WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

apatel
3/26/2020 11:00:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.639 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060689.D
Acq: 25 Mar 2020 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.6
145	32.5	16.3	48.8

