

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041520\
 Data File : VN060980.D
 Acq On : 15 Apr 2020 22:40
 Operator : JC/MD
 Sample : VN0415WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 11:15:19 AM

Quant Time: Apr 16 08:09:26 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	132317	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	229152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	209331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	96700	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	93224	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	7.56	113	68806	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
50) Toluene-d8	10.08	98	267795	47.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.64%	
62) 4-Bromofluorobenzene	12.39	95	99063	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	20414	15.945	ug/l	99
3) Chloromethane	2.04	50	38209	15.979	ug/l	100
4) Vinyl Chloride	2.17	62	30978	16.564	ug/l	98
5) Bromomethane	2.55	94	16656	20.630	ug/l	98
6) Chloroethane	2.69	64	20236	18.783	ug/l	99
7) Trichlorofluoromethane	3.00	101	41821	18.152	ug/l	97
8) Diethyl Ether	3.38	74	18068	19.522	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	26011	19.484	ug/l	98
10) Methyl Iodide	3.93	142	18540	15.607	ug/l	99
11) Tert butyl alcohol	4.72	59	30470	114.062	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	25899	18.079	ug/l	100
13) Acrolein	3.58	56	22431	75.763	ug/l	98
14) Allyl chloride	4.29	41	49070	19.475	ug/l	94
15) Acrylonitrile	4.94	53	84357	107.387	ug/l	99
16) Acetone	3.78	43	68917	107.112	ug/l	99
17) Carbon Disulfide	4.03	76	68065	15.622	ug/l	99
18) Methyl Acetate	4.29	43	41138	22.715	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	97049	19.704	ug/l	98
20) Methylene Chloride	4.52	84	30570	19.314	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	27686	18.133	ug/l	96
22) Diisopropyl ether	5.91	45	112006	21.041	ug/l	99
23) Vinyl Acetate	5.86	43	454015	104.534	ug/l	99
24) 1,1-Dichloroethane	5.82	63	58529	20.169	ug/l	98
25) 2-Butanone	6.80	43	112283	107.845	ug/l	96
26) 2,2-Dichloropropane	6.79	77	41886	18.345	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	32806	18.908	ug/l	96
28) Bromochloromethane	7.17	49	30958	22.298	ug/l	95
29) Tetrahydrofuran	7.18	42	77556	105.281	ug/l	97
30) Chloroform	7.35	83	55573	19.976	ug/l	97
31) Cyclohexane	7.63	56	51977	17.767	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	46831	19.527	ug/l	98
36) 1,1-Dichloropropene	7.77	75	40814	18.394	ug/l	100
37) Ethyl Acetate	6.89	43	49676	20.719	ug/l	99
38) Carbon Tetrachloride	7.75	117	35891	18.047	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	45800	17.369	ug/l	97
40) Benzene	8.02	78	125286	18.704	ug/l	99
41) Methacrylonitrile	7.14	41	19336m	18.897	ug/l	
42) 1,2-Dichloroethane	8.10	62	44411	19.401	ug/l	99
43) Isopropyl Acetate	8.14	43	80928	20.467	ug/l	99
44) Trichloroethene	8.82	130	30841	18.265	ug/l	98
45) 1,2-Dichloropropane	9.10	63	35562	20.120	ug/l	96
46) Dibromomethane	9.19	93	20913	19.572	ug/l	97
47) Bromodichloromethane	9.38	83	43597	19.634	ug/l	99
48) Methyl methacrylate	9.18	41	34478	19.585	ug/l	99
49) 1,4-Dioxane	9.18	88	9636	460.499	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	237737	105.659	ug/l	98
52) Toluene	10.14	92	74974	18.533	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	48692	19.091	ug/l	97
54) cis-1,3-Dichloropropene	9.82	75	52847	18.887	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	30971	19.900	ug/l	99
56) Ethyl methacrylate	10.42	69	47000	19.368	ug/l	97
57) 1,3-Dichloropropane	10.70	76	53384	19.767	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	103045	85.439	ug/l	99
59) 2-Hexanone	10.74	43	170490	105.188	ug/l	98
60) Dibromochloromethane	10.89	129	31274	19.454	ug/l	100
61) 1,2-Dibromoethane	10.99	107	29456	18.822	ug/l	99
64) Tetrachloroethene	10.62	164	27502	16.696	ug/l	99
65) Chlorobenzene	11.42	112	76733	18.491	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	29503	19.636	ug/l	98
67) Ethyl Benzene	11.50	91	145497	18.854	ug/l	100
68) m/p-Xylenes	11.61	106	105057	36.634	ug/l	98
69) o-Xylene	11.94	106	50802	18.557	ug/l	100
70) Styrene	11.96	104	81910	18.294	ug/l	99
71) Bromoform	12.12	173	22347	18.974	ug/l #	98
73) Isopropylbenzene	12.24	105	135820	18.716	ug/l	99
74) N-amyl acetate	12.06	43	64906	19.356	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	45034	20.521	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	39000m	18.691	ug/l	
77) Bromobenzene	12.52	156	32028	18.316	ug/l	95
78) n-propylbenzene	12.58	91	159653	18.621	ug/l	99
79) 2-Chlorotoluene	12.67	91	95271	18.598	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	113899	18.495	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	14450	17.786	ug/l	96
82) 4-Chlorotoluene	12.77	91	98218	18.825	ug/l	98
83) tert-Butylbenzene	12.99	119	97140	19.028	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	113588	18.644	ug/l	100
85) sec-Butylbenzene	13.17	105	131211	19.113	ug/l	99
86) p-Isopropyltoluene	13.28	119	113437	18.376	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57788	18.737	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	57425	18.533	ug/l	99
89) n-Butylbenzene	13.61	91	104042	18.667	ug/l	100
90) Hexachloroethane	13.87	117	18566	20.691	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	56567	19.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	8768	18.908	ug/l	95

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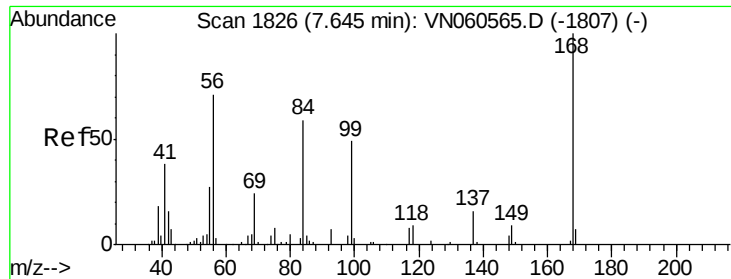
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	33259	18.365	ug/l	100
94) Hexachlorobutadiene	15.01	225	16297	18.357	ug/l	99
95) Naphthalene	15.13	128	97997	17.991	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	32546	18.245	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060980.D

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Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion:168 Resp: 132317

Ion Ratio Lower Upper

168 100

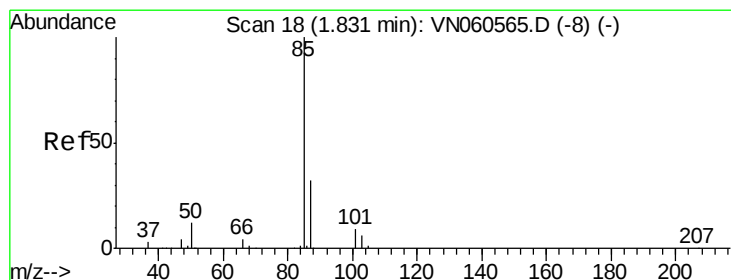
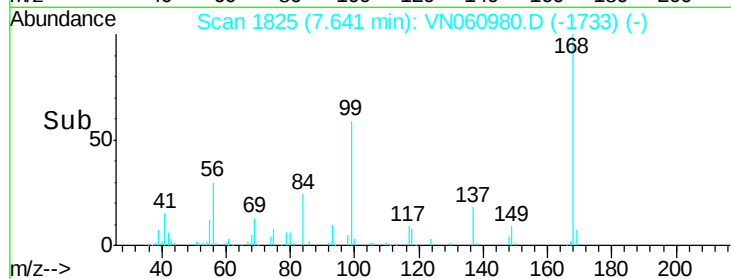
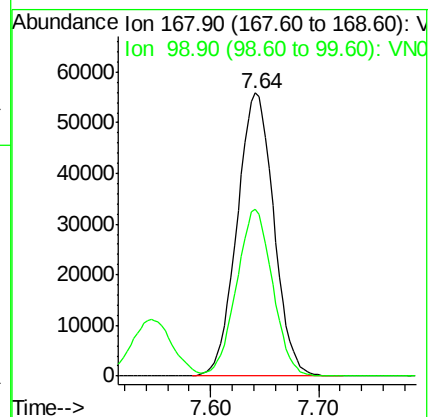
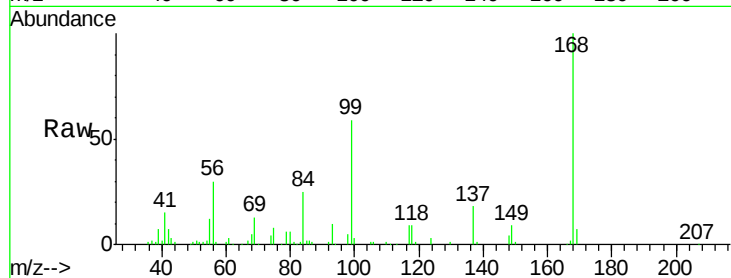
99 58.9 44.0 66.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 15.945 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060980.D

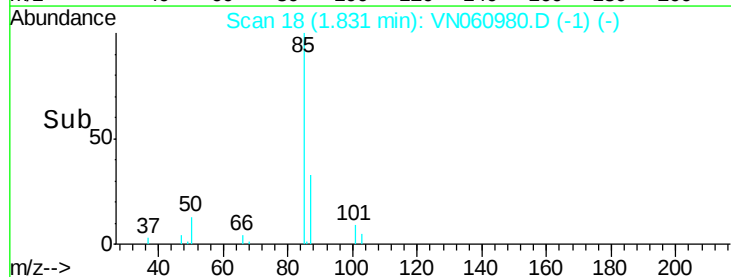
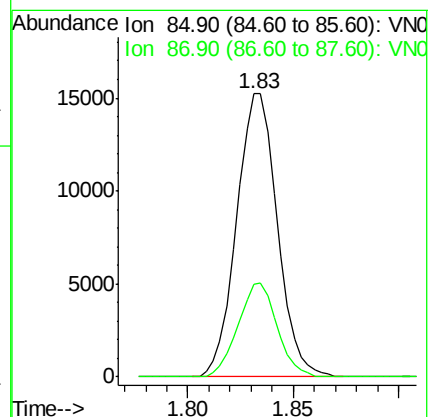
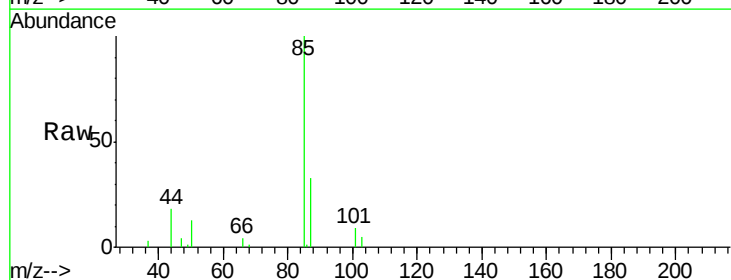
Acq: 15 Apr 2020 22:40

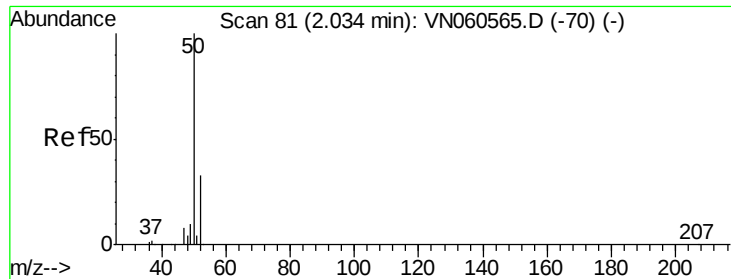
Tgt Ion: 85 Resp: 20414

Ion Ratio Lower Upper

85 100

87 32.8 16.2 48.5





#3

Chloromethane

Concen: 15.979 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 50 Resp: 38209

Ion Ratio Lower Upper

50 100

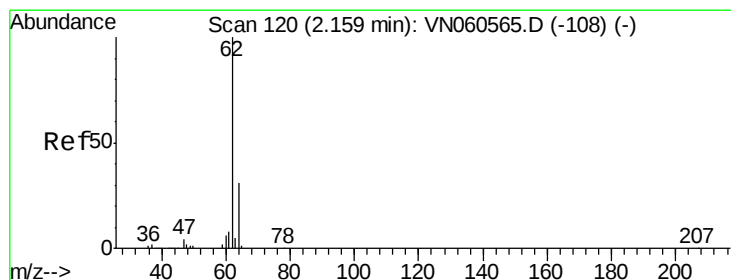
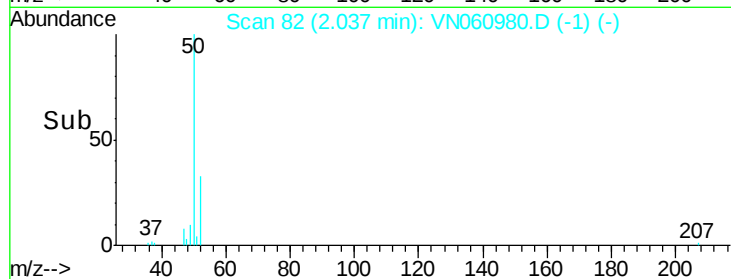
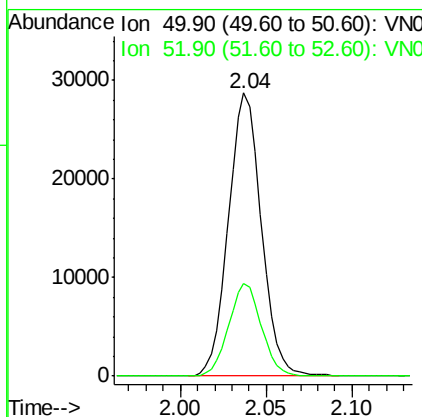
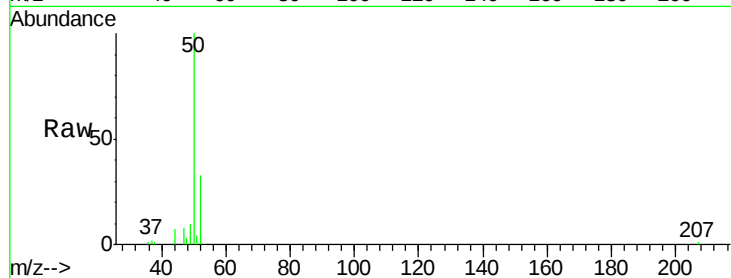
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.564 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060980.D

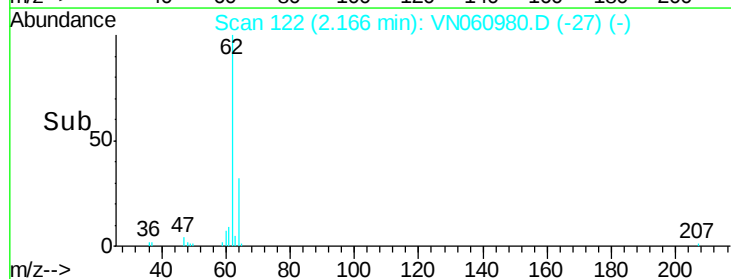
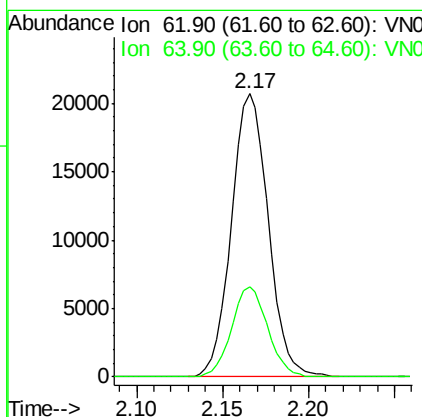
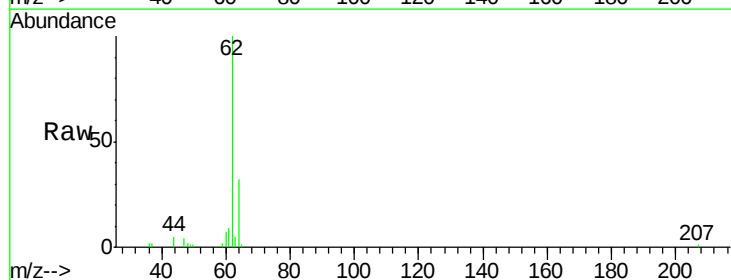
Acq: 15 Apr 2020 22:40

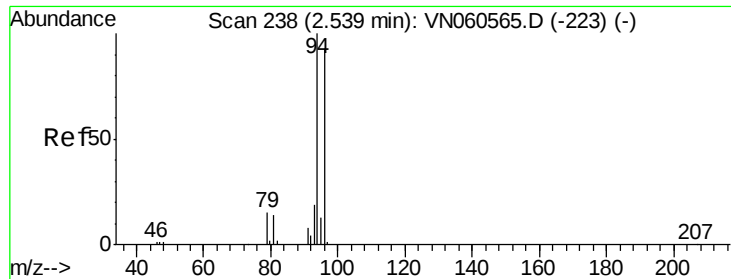
Tgt Ion: 62 Resp: 30978

Ion Ratio Lower Upper

62 100

64 31.9 24.7 37.1





#5

Bromomethane

Concen: 20.630 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 16656

Ion Ratio Lower Upper

94 100

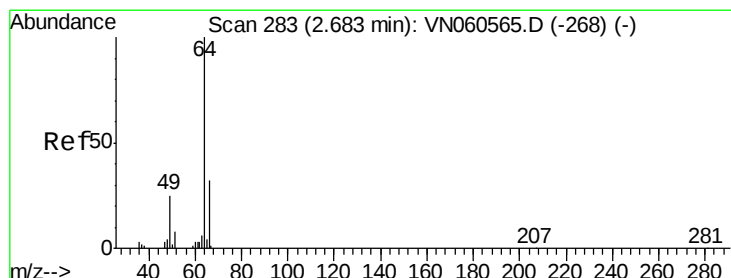
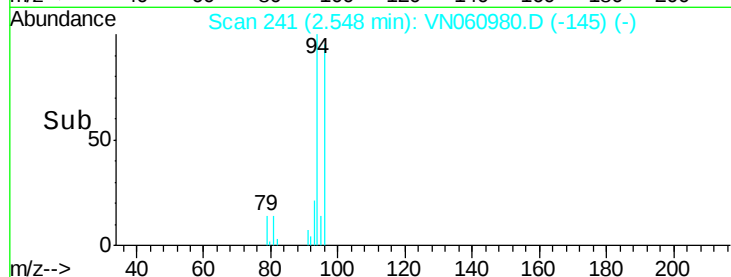
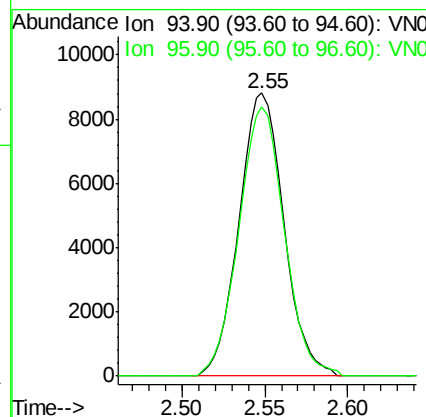
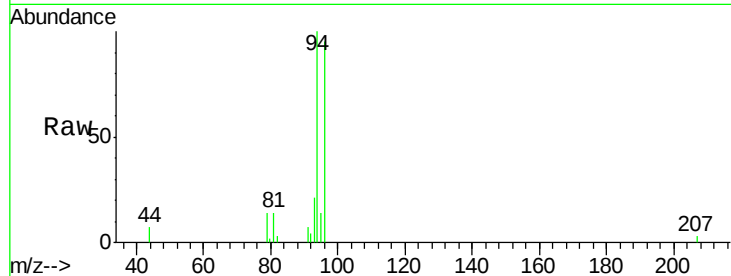
96 95.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 18.783 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060980.D

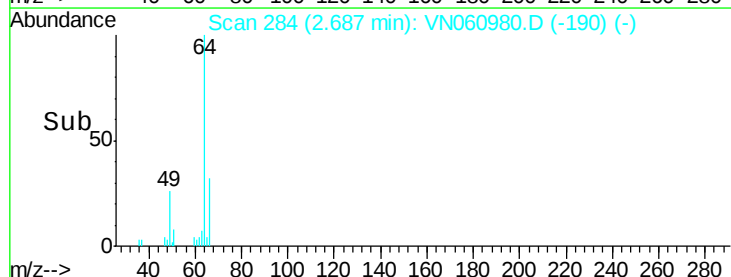
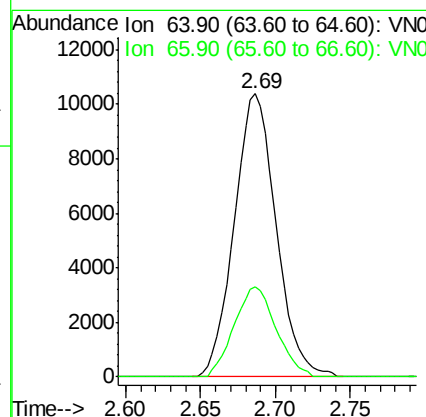
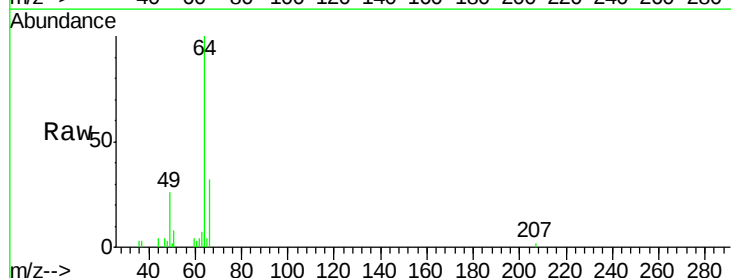
Acq: 15 Apr 2020 22:40

Tgt Ion: 64 Resp: 20236

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

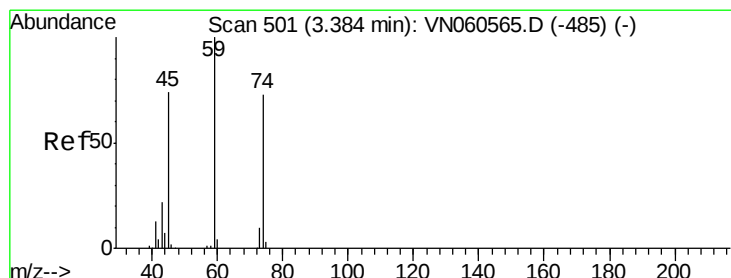
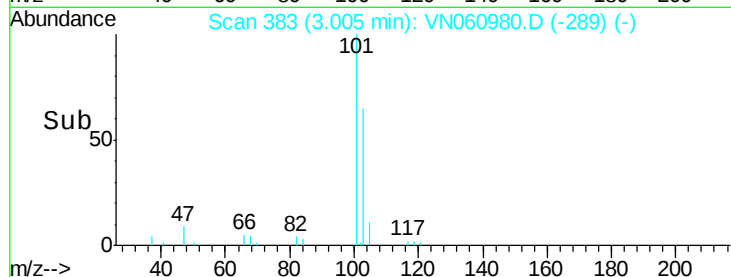
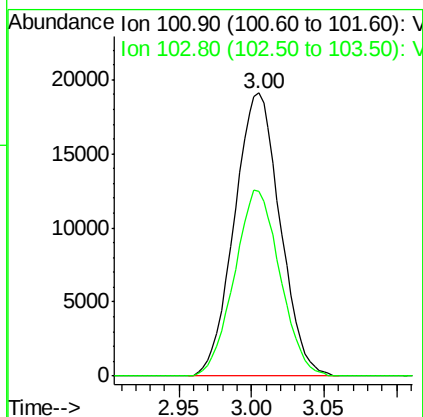
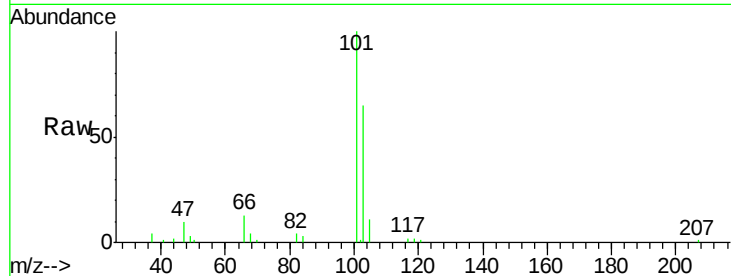
Trichlorofluoromethane
 Concen: 18.152 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
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 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.6	76.0

Manual Integrations
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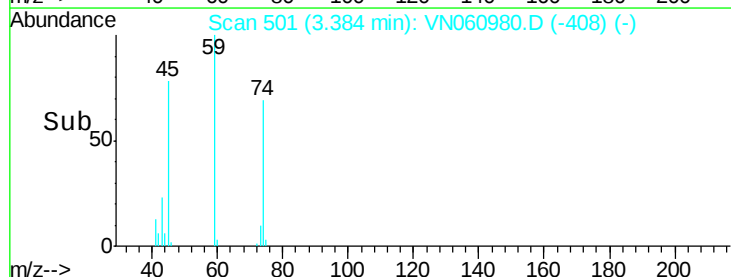
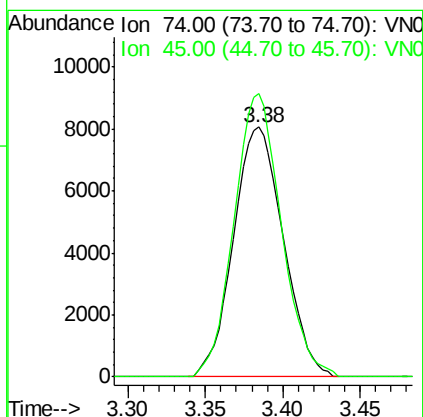
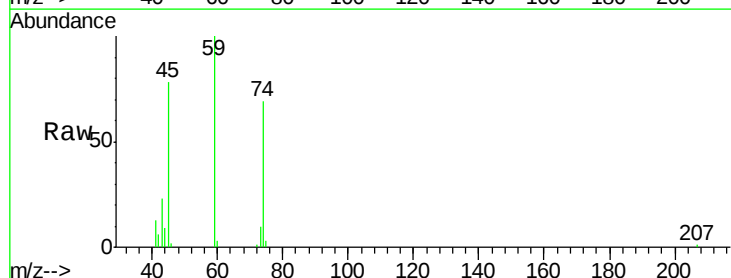
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 4/16/2020 11:15:19 AM



#8

Diethyl Ether
 Concen: 19.522 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.5	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.484 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

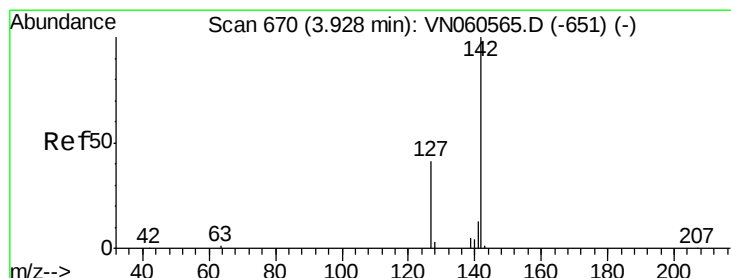
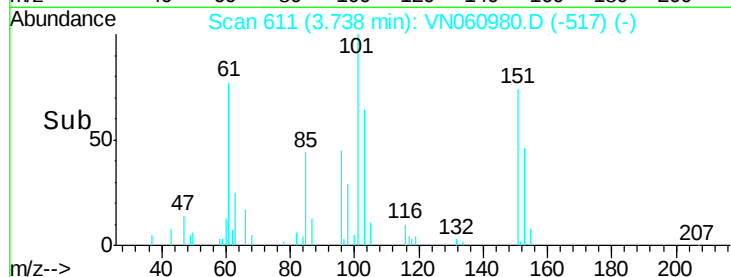
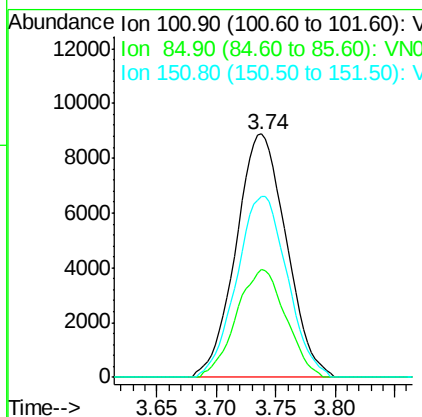
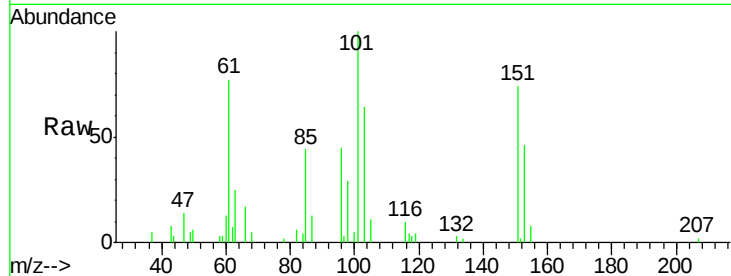
ClientSampleId :

VN0415WBS02

Tot Ion:	101	Resp:	26011
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.6	53.4
151	74.7	61.4	92.2

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#10

Methyl Iodide

Concen: 15.607 ug/l

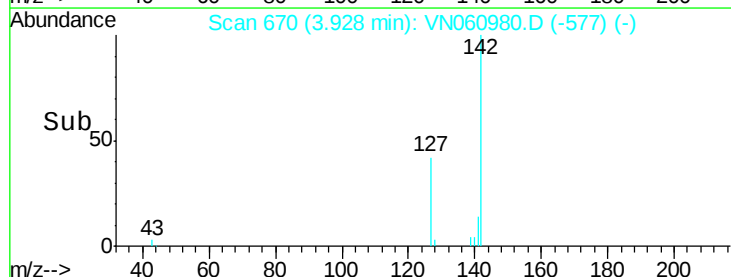
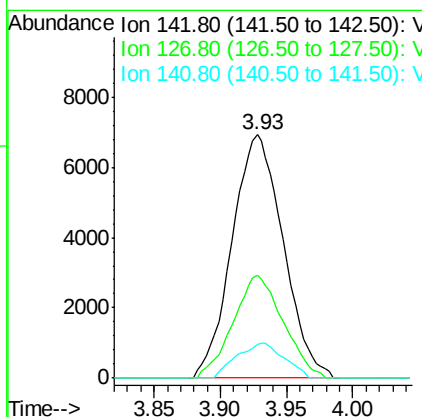
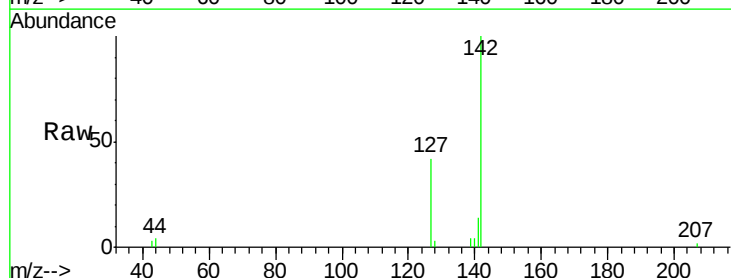
RT: 3.93 min Scan# 670

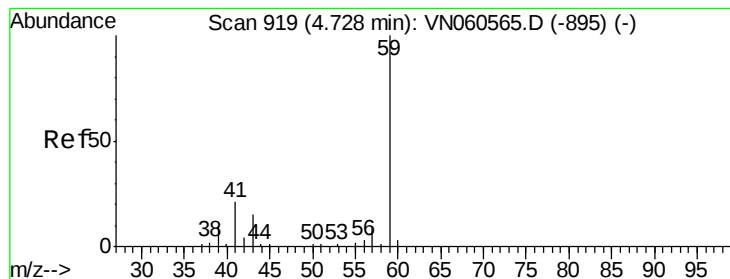
Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	142	Resp:	18540
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	13.3	11.0	16.6





#11

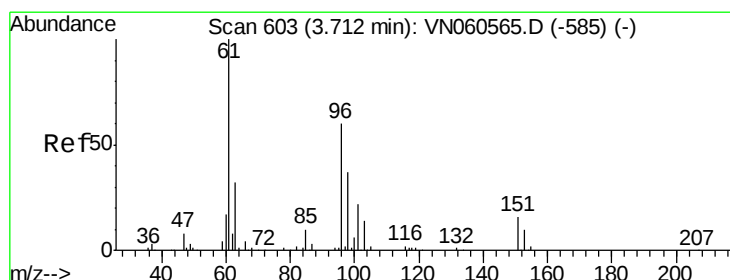
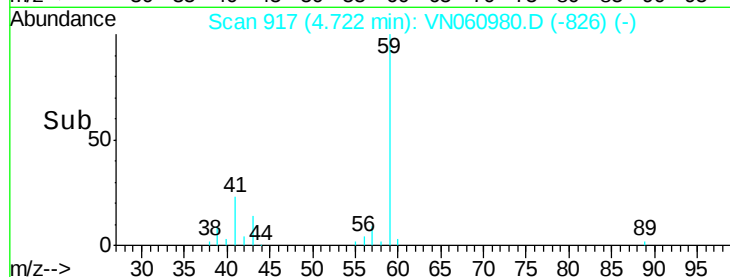
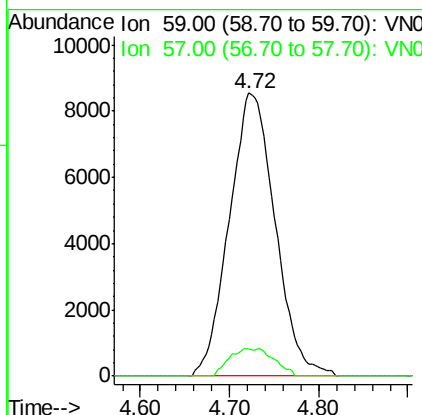
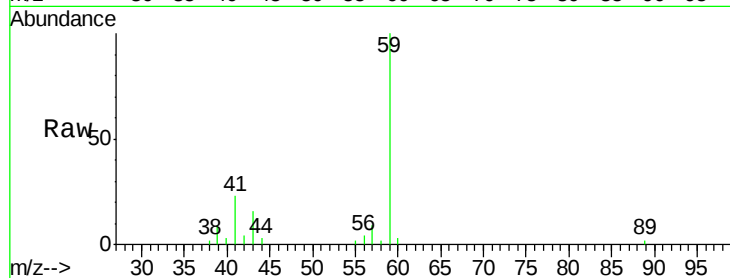
Tert butyl alcohol
 Concen: 114.062 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	8.2	12.4#

Manual Integrations
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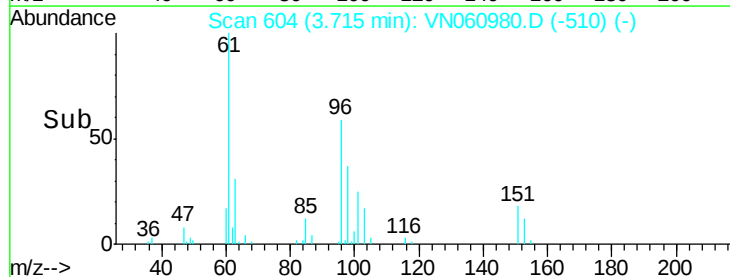
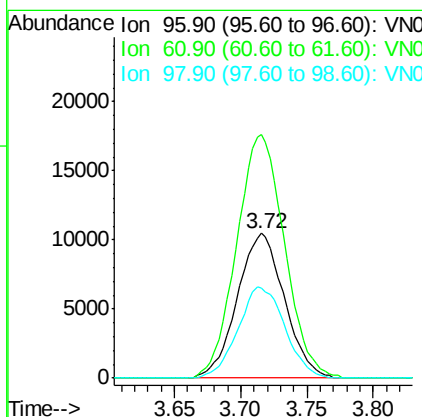
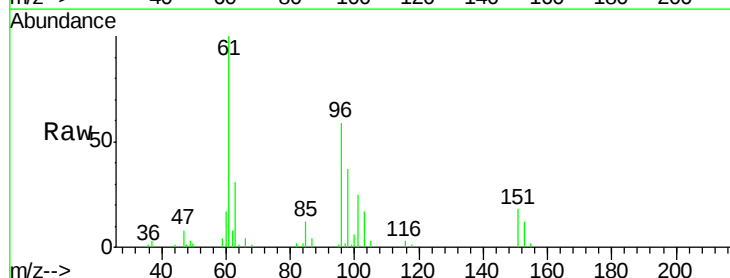
MMDadoda
 4/16/2020 11:15:19 AM

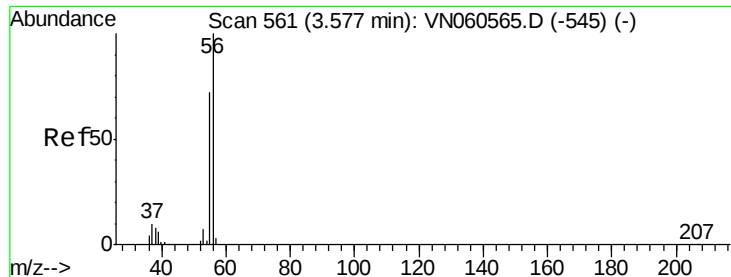


#12

1,1-Dichloroethene
 Concen: 18.079 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	134.1	201.1
98	61.9	49.9	74.9





#13

Acrolein

Concen: 75.763 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 56 Resp: 22431

Ion Ratio Lower Upper

56 100

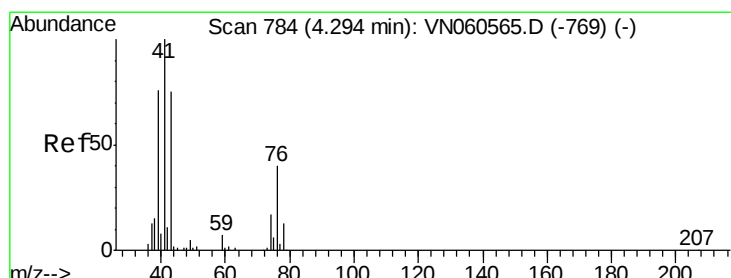
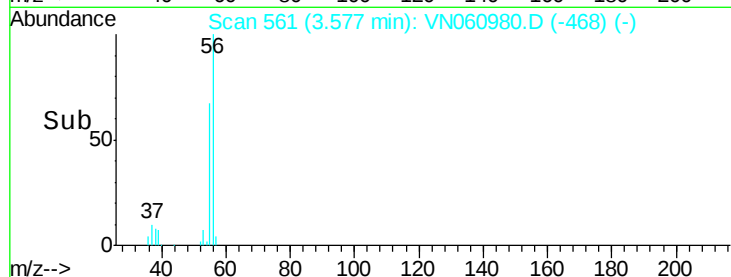
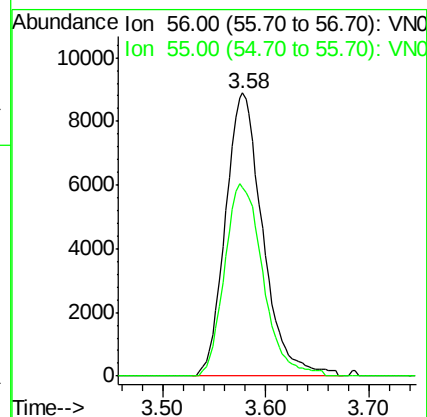
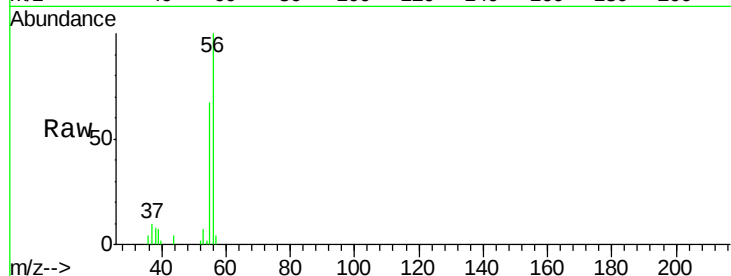
55 69.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.475 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

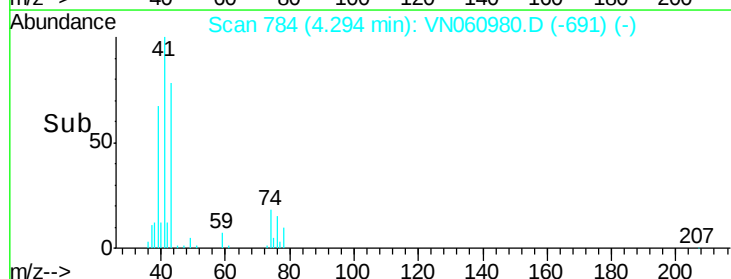
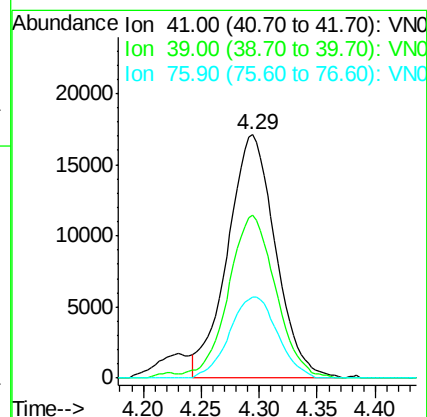
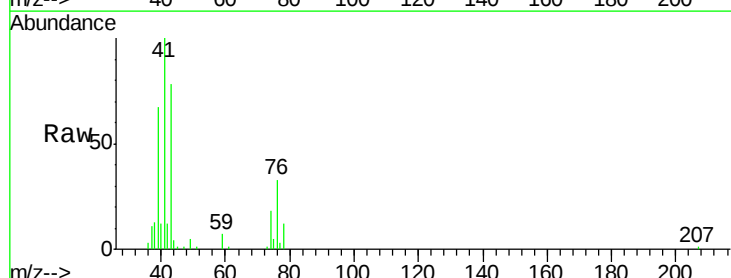
Tgt Ion: 41 Resp: 49070

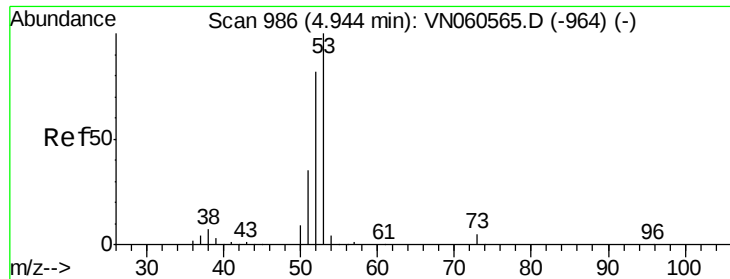
Ion Ratio Lower Upper

41 100

39 66.3 57.8 86.8

76 33.3 28.6 43.0





#15

Acrylonitrile

Concen: 107.387 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

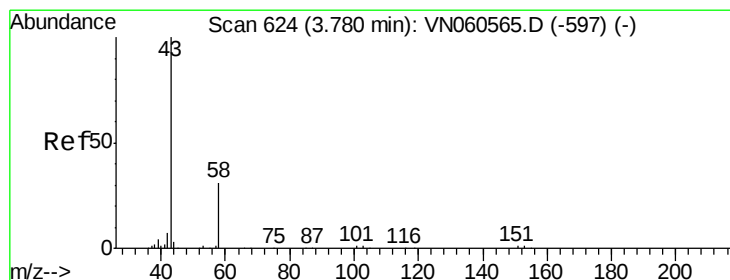
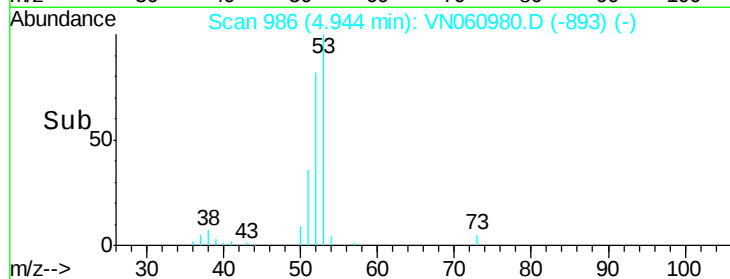
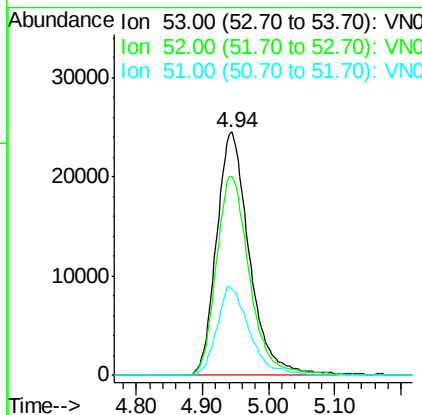
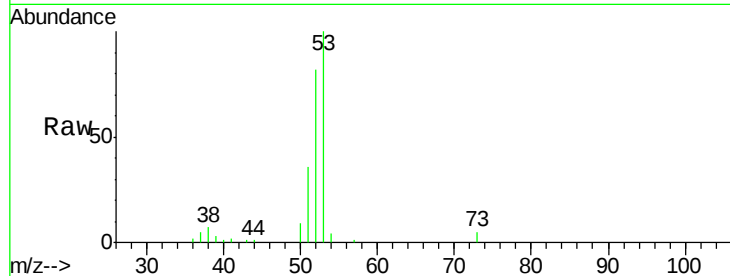
ClientSampleId :

VN0415WBS02

Tot Ion:	53	Resp:	84357
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	36.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 107.112 ug/l

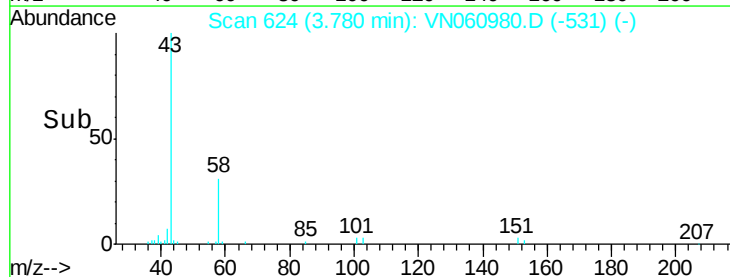
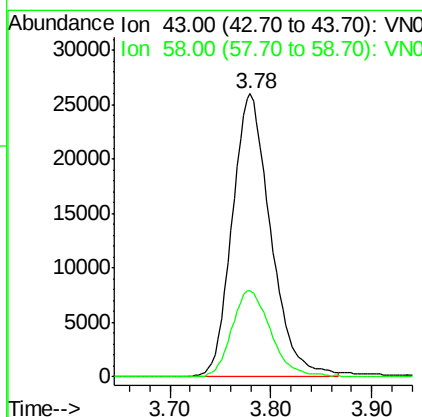
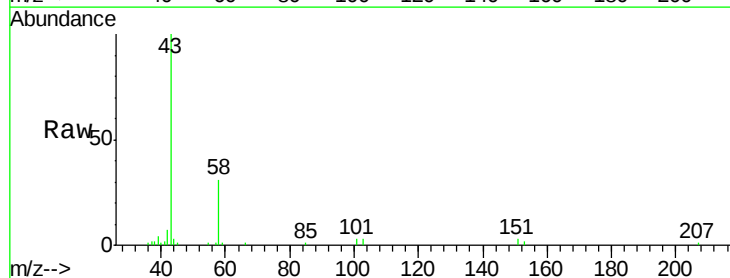
RT: 3.78 min Scan# 624

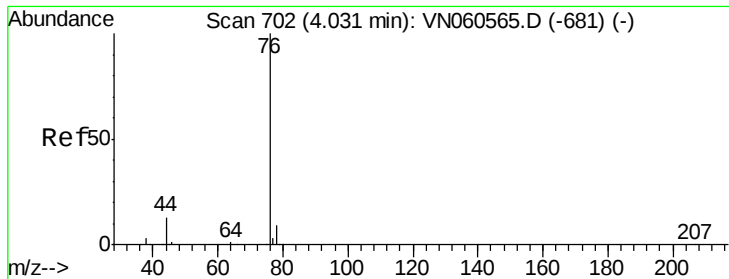
Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	43	Resp:	68917
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.1	37.7





#17

Carbon Disulfide

Concen: 15.622 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 76 Resp: 68065

Ion Ratio Lower Upper

76 100

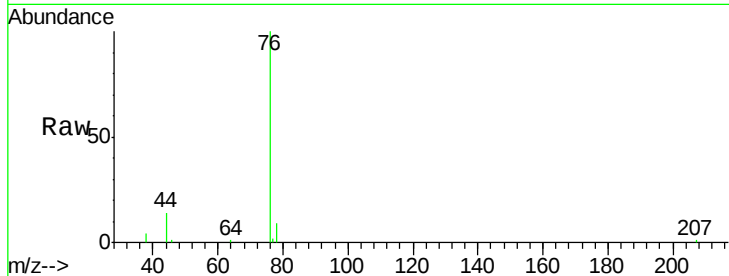
78 8.7 7.2 10.8

Manual Integrations

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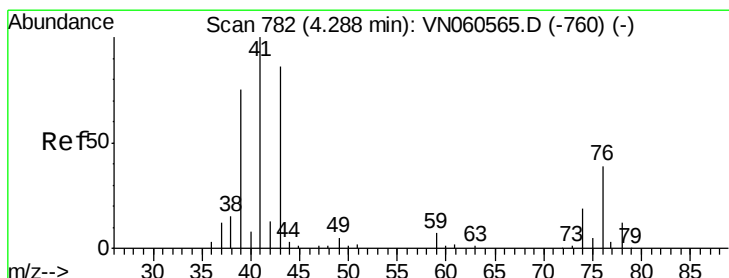
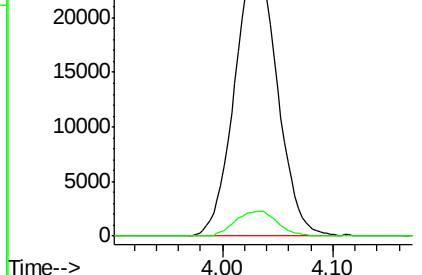
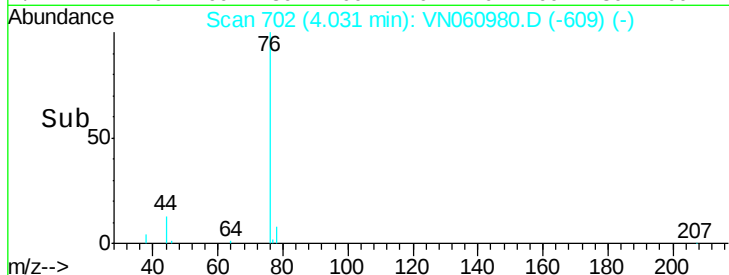


Abundance Ion 75.90 (75.60 to 76.60): VN060980.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN060980.D (-609) (-)

4.03

Time-->



#18

Methyl Acetate

Concen: 22.715 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060980.D

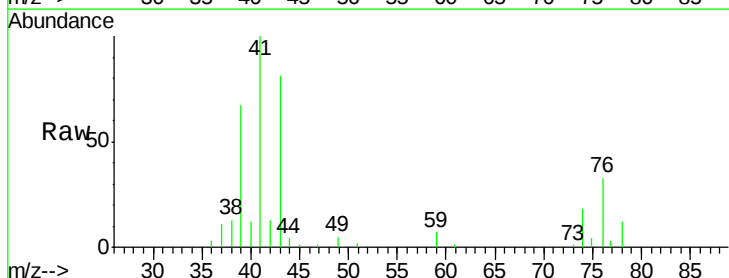
Acq: 15 Apr 2020 22:40

Tgt Ion: 43 Resp: 41138

Ion Ratio Lower Upper

43 100

74 20.7 17.5 26.3

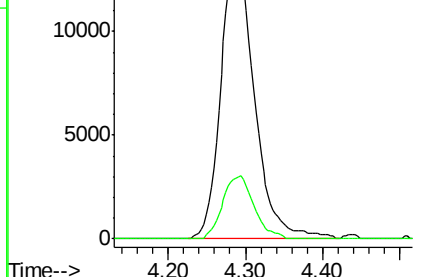
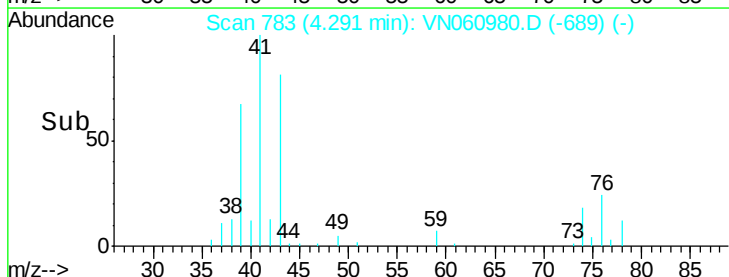


Abundance Ion 43.00 (42.70 to 43.70): VN060980.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060980.D (-689) (-)

4.29

Time-->





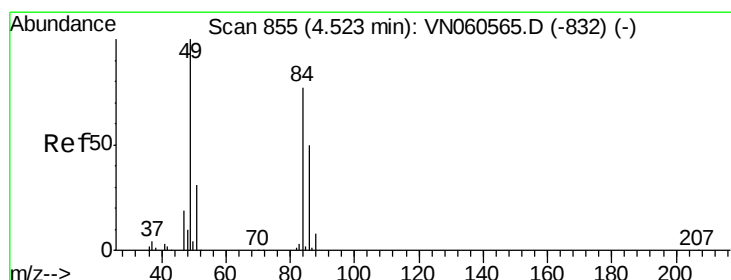
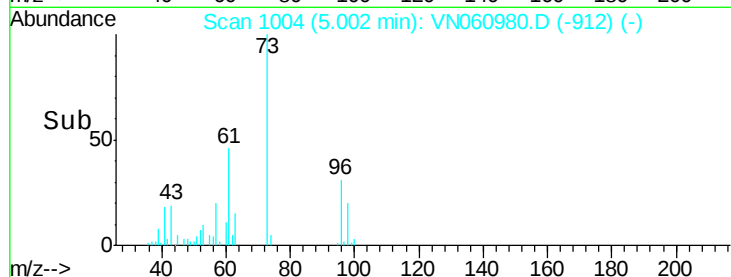
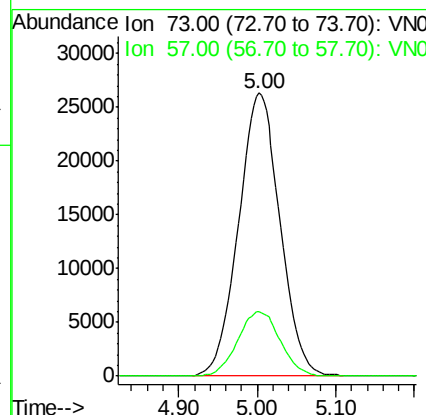
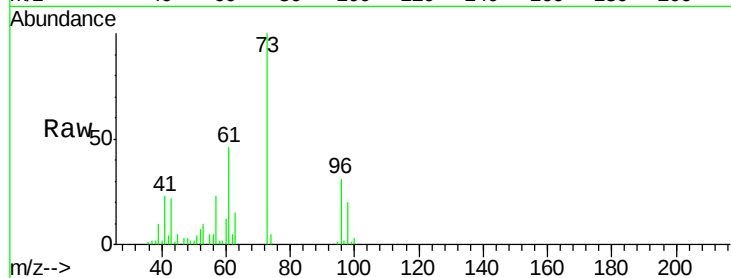
#19
Methvl tert-butvl Ether
Concen: 19.704 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion: 73 Resp: 97049
Ion Ratio Lower Upper
73 100
57 22.9 17.5 26.3

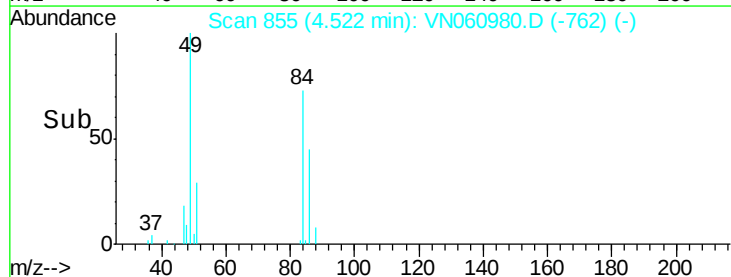
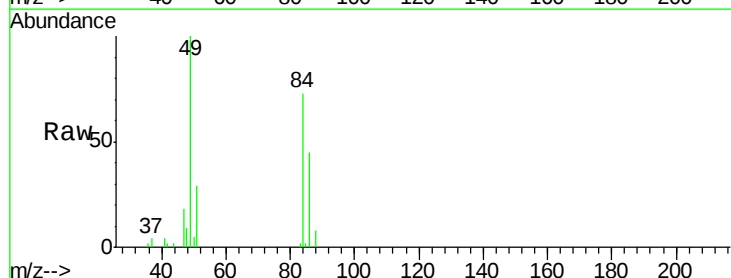
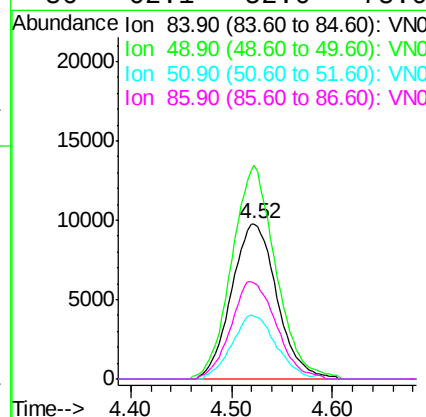
Manual Integrations
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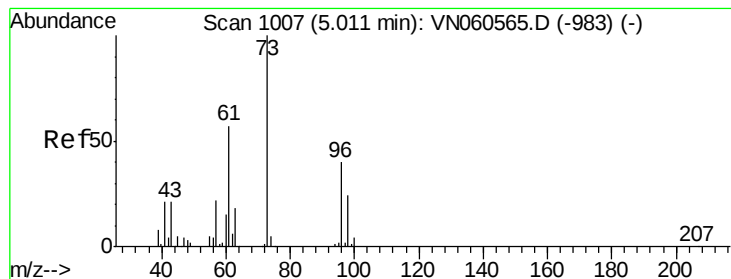
MMDadoda
4/16/2020 11:15:19 AM



#20
Methylene Chloride
Concen: 19.314 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion: 84 Resp: 30570
Ion Ratio Lower Upper
84 100
49 137.5 103.3 154.9
51 40.4 31.6 47.4
86 62.1 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.133 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 96 Resp: 27686

Ion Ratio Lower Upper

96 100

61 149.2 114.4 171.6

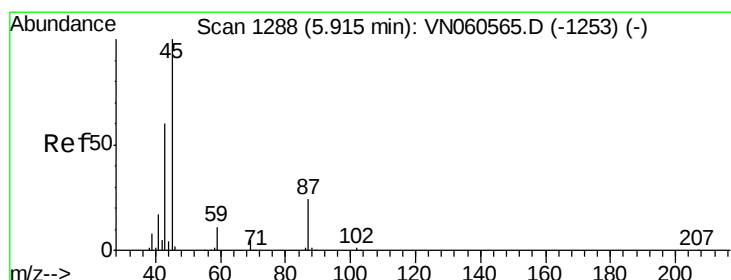
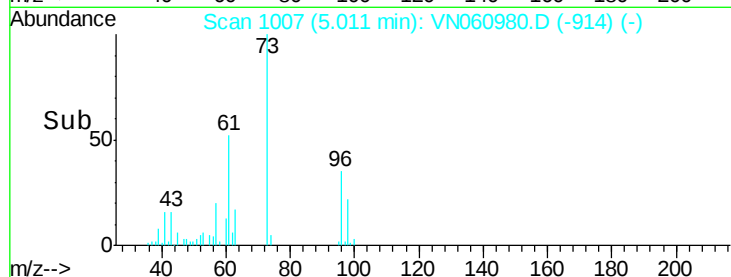
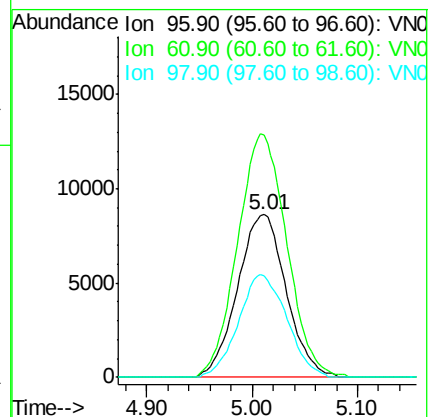
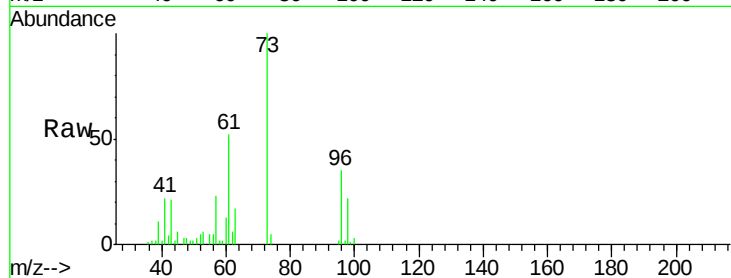
98 62.6 48.4 72.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.041 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion: 45 Resp: 112006

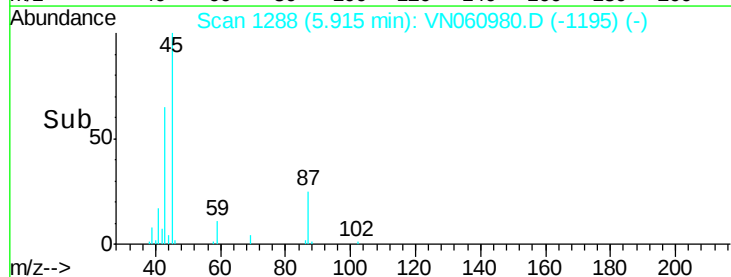
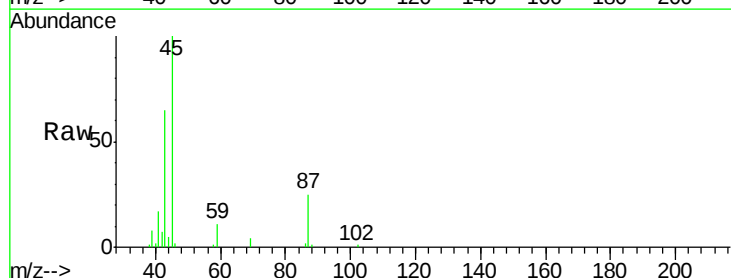
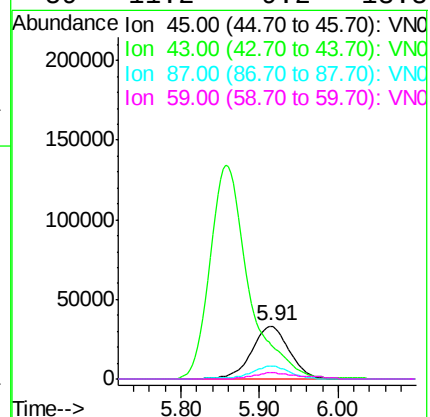
Ion Ratio Lower Upper

45 100

43 63.2 49.8 74.8

87 25.0 20.1 30.1

59 11.2 9.2 13.8





#23

Vinyl Acetate

Concen: 104.534 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 43 Resp: 454015

Ion Ratio Lower Upper

43 100

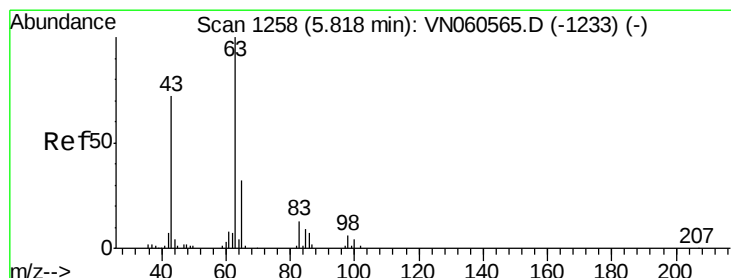
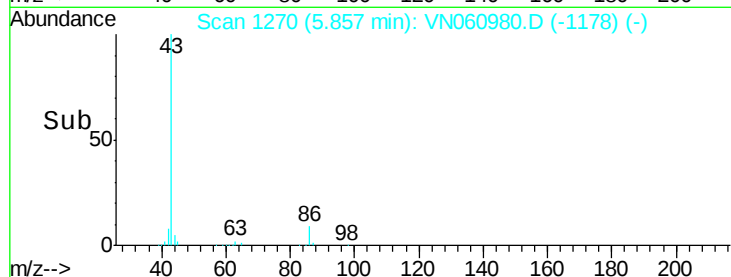
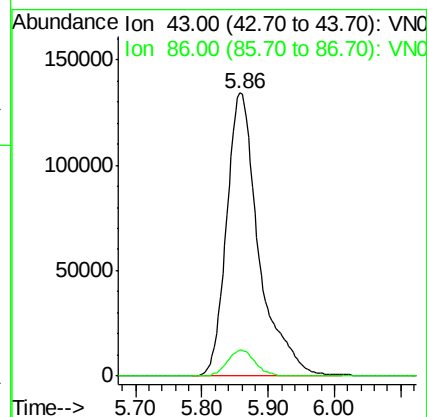
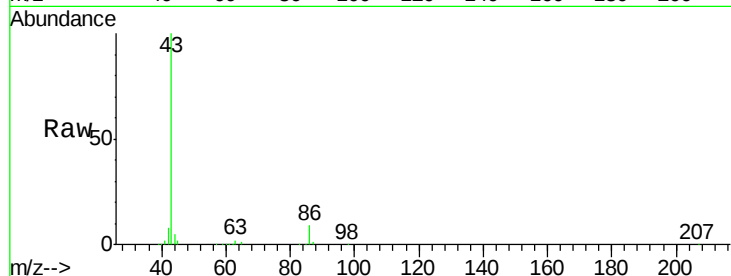
86 9.0 7.6 11.4

Manual Integrations

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MMDadoda

4/16/2020 11:15:19 AM



#24

1,1-Dichloroethane

Concen: 20.169 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

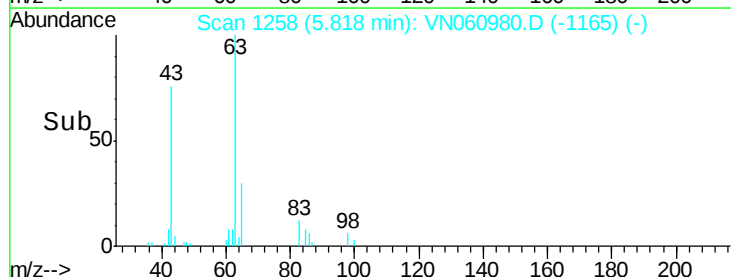
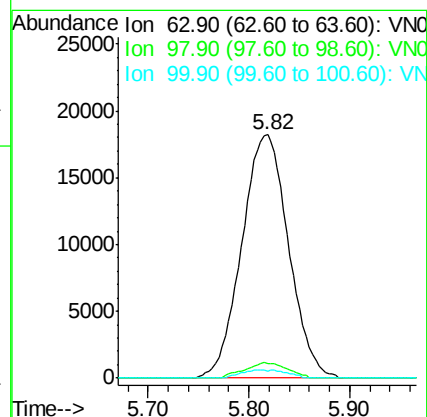
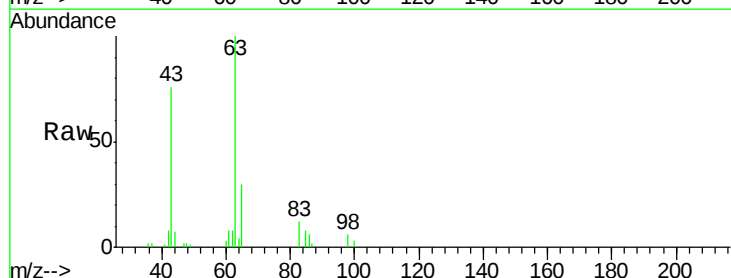
Tgt Ion: 63 Resp: 58529

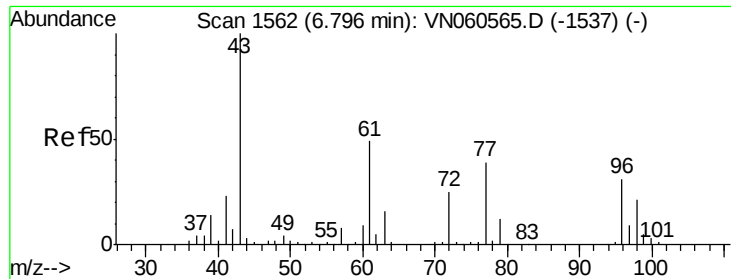
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 2.9 1.8 5.5





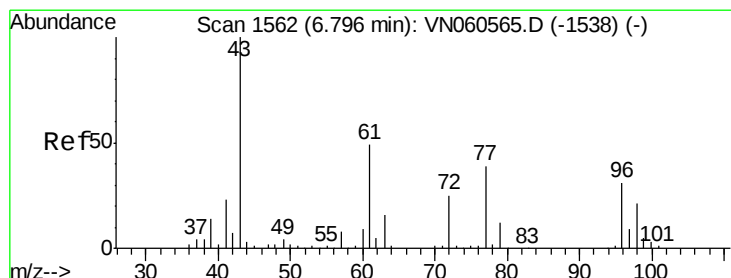
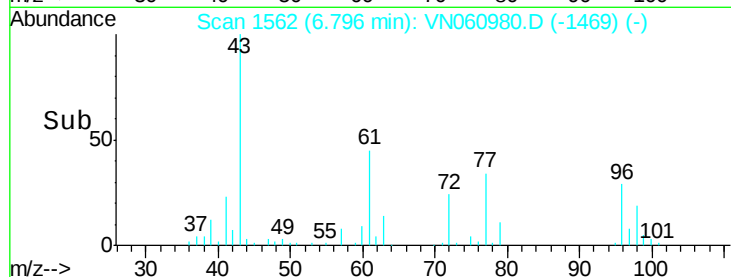
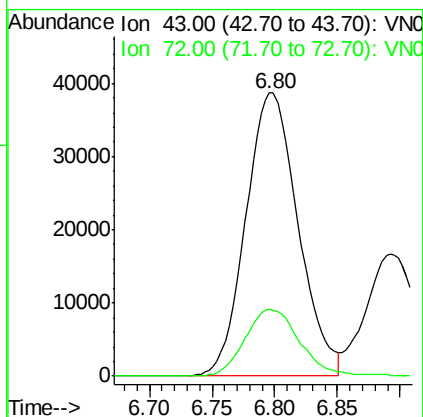
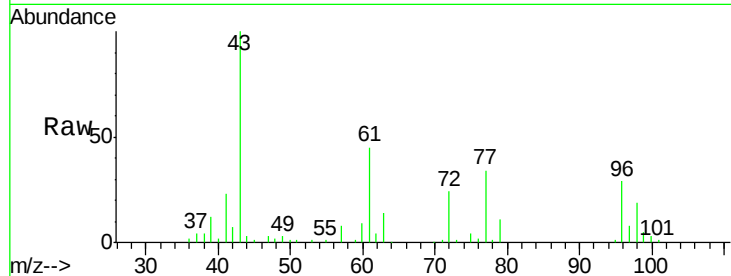
#25
2-Butanone
Concen: 107.845 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion: 43 Resp: 112283
Ion Ratio Lower Upper
43 100
72 23.6 20.4 30.6

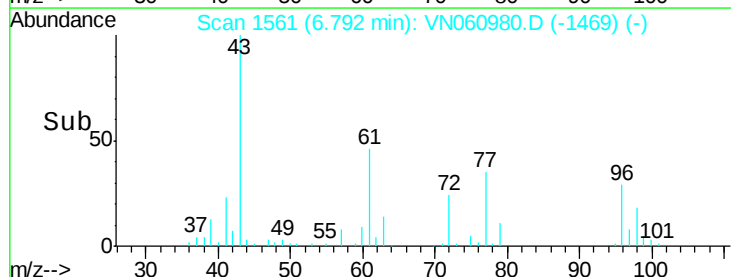
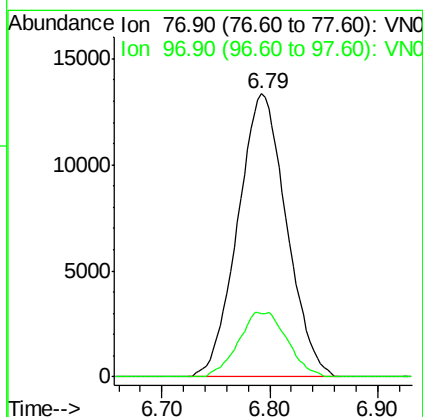
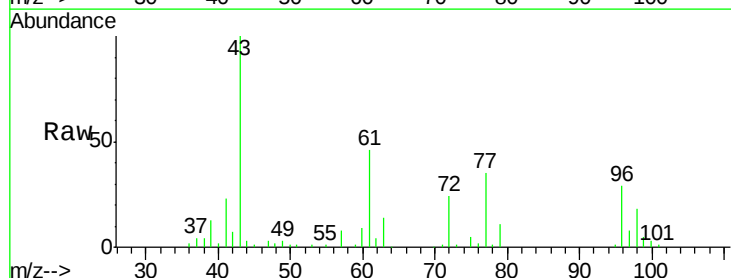
Manual Integrations
APPROVED

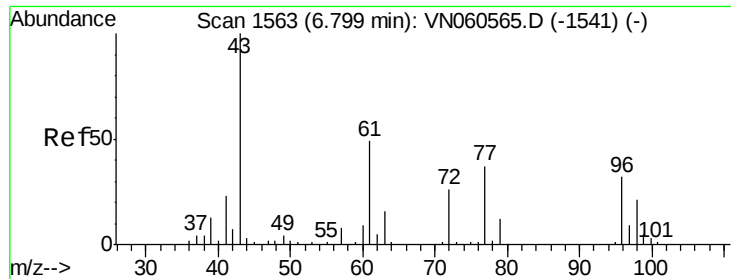
MMDadoda
4/16/2020 11:15:19 AM



#26
2,2-Dichloropropane
Concen: 18.345 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion: 77 Resp: 41886
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 18.908 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

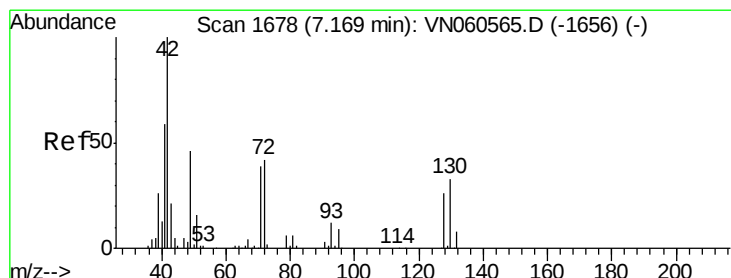
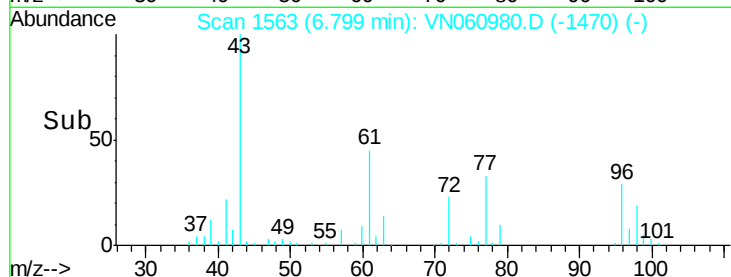
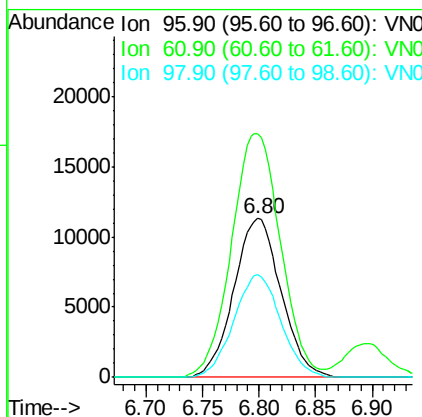
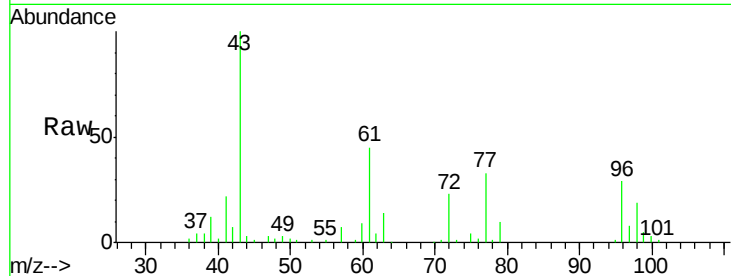
ClientSampleId :

VN0415WBS02

Tot Ion:	96	Resp:	32806
Ion	Ratio	Lower	Upper
96	100		
61	159.5	0.0	305.6
98	64.5	0.0	127.6

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#28

Bromochloromethane

Concen: 22.298 ug/l

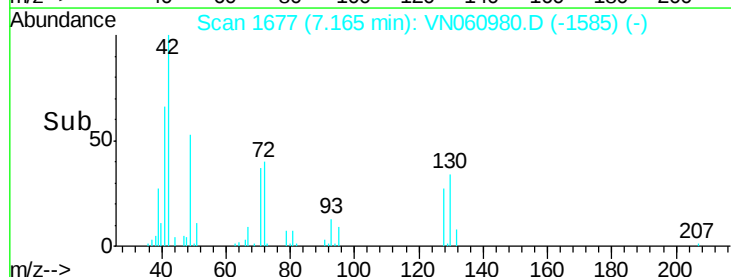
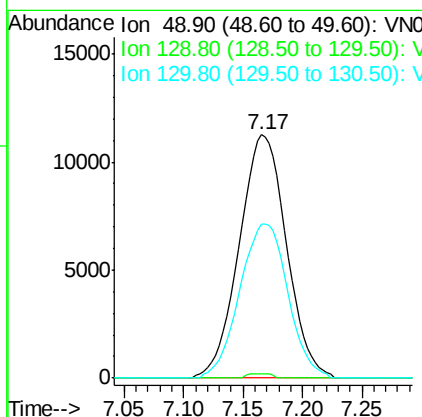
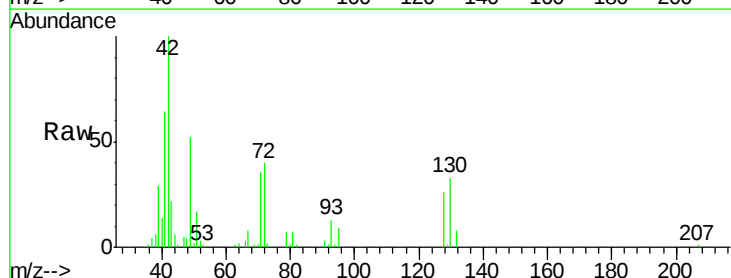
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	49	Resp:	30958
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	64.6	55.0	82.4





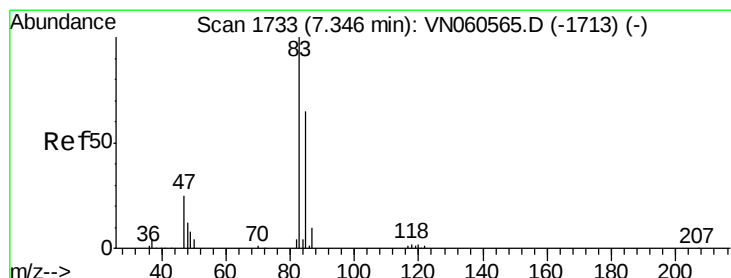
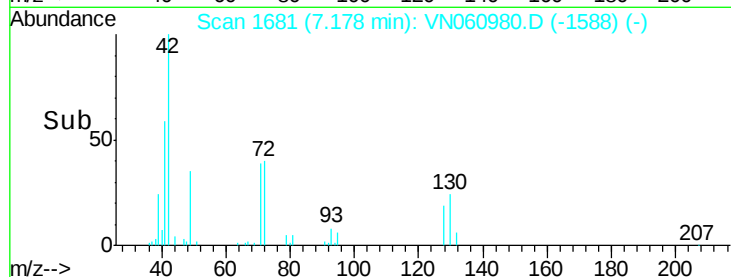
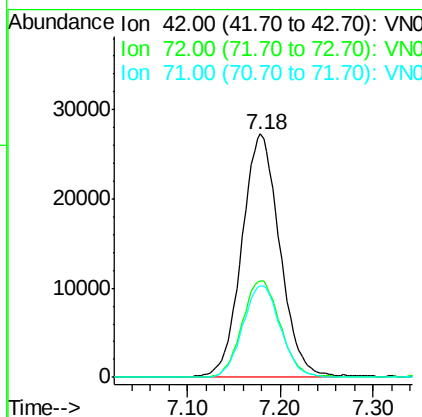
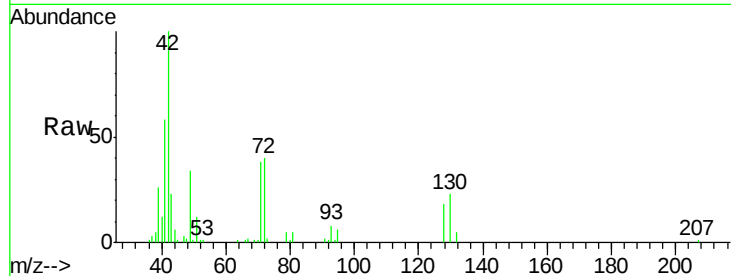
#29
Tetrahydrofuran
Concen: 105.281 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion:	42	Resp:	77556
Ion Ratio		Lower	Upper
42	100		
72	39.8	33.2	49.8
71	37.2	31.1	46.7

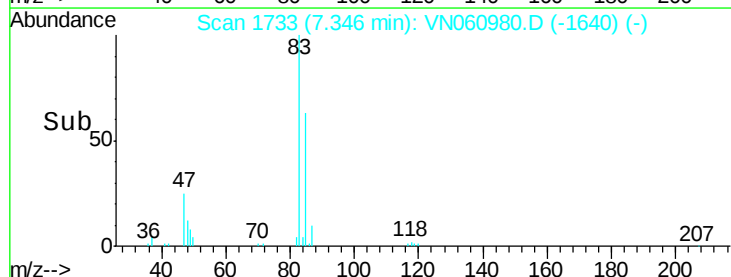
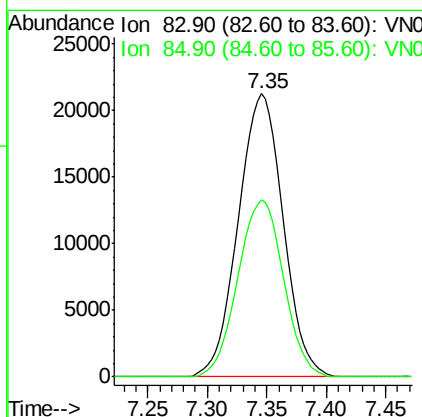
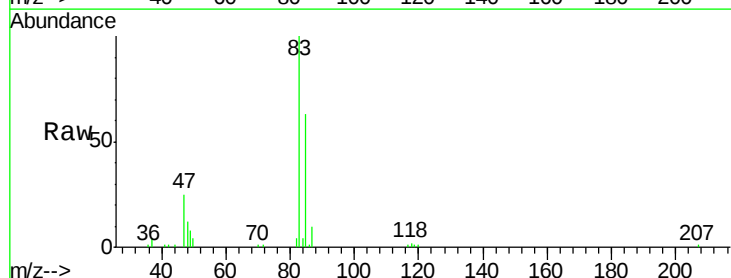
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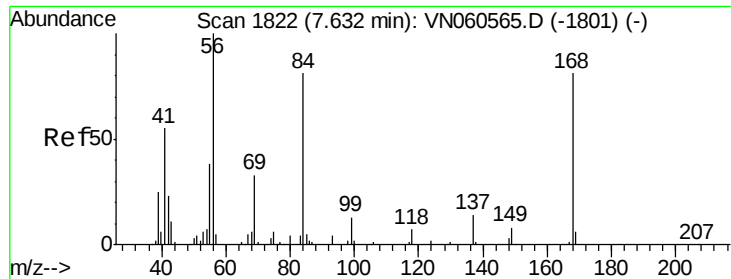
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#30
Chloroform
Concen: 19.976 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion:	83	Resp:	55573
Ion Ratio		Lower	Upper
83	100		
85	62.6	51.8	77.8





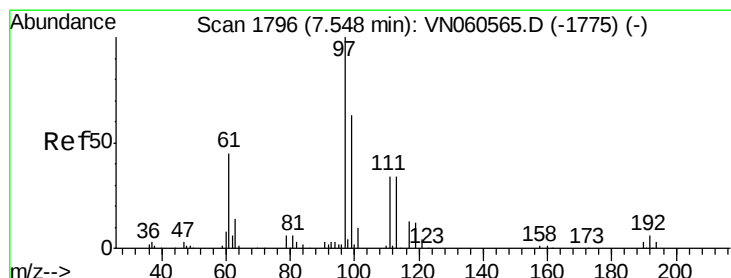
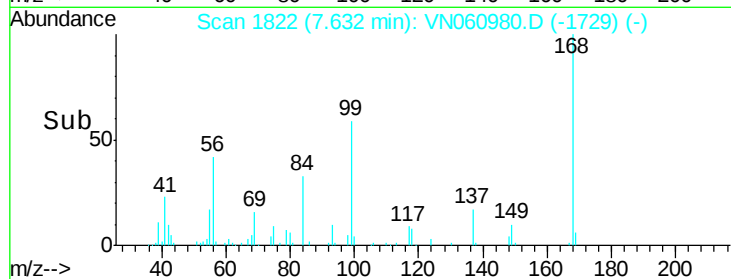
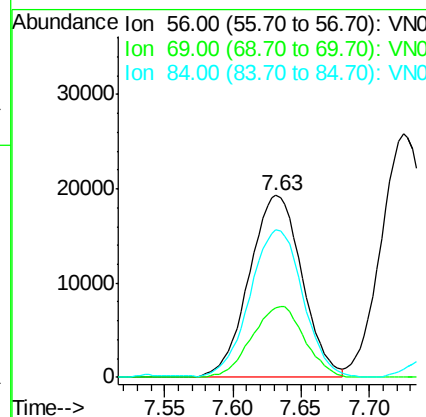
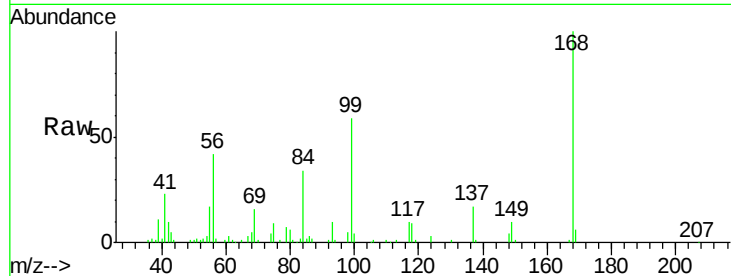
#31
Cyclohexane
Concen: 17.767 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.6	26.6	40.0
84	80.3	64.3	96.5

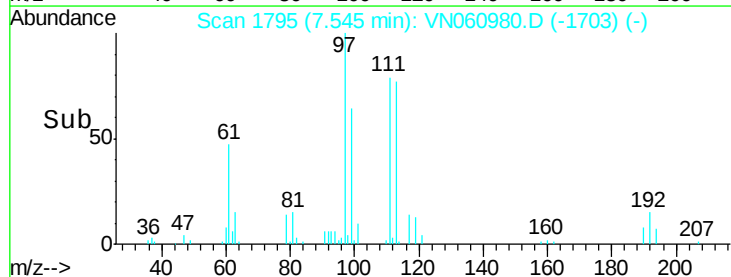
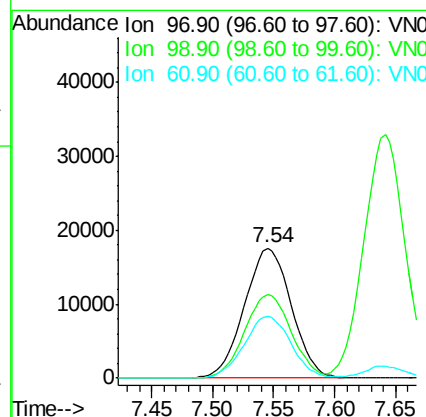
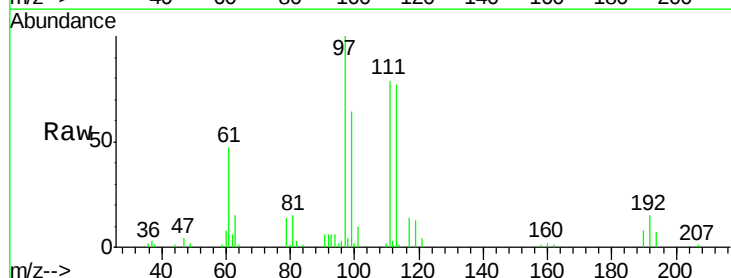
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#32
1,1,1-Trichloroethane
Concen: 19.527 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.6	75.8
61	47.4	36.2	54.4





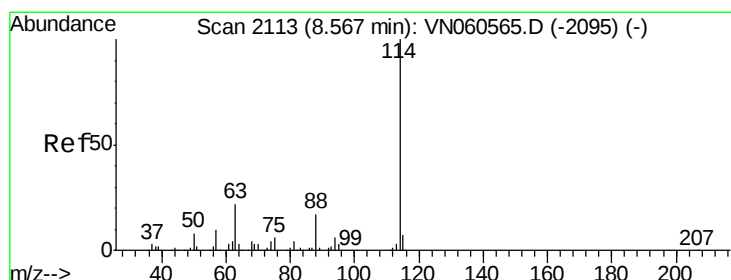
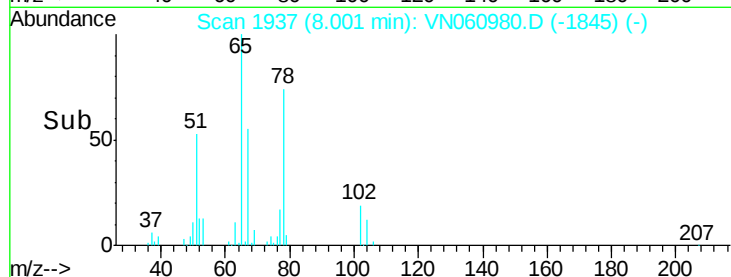
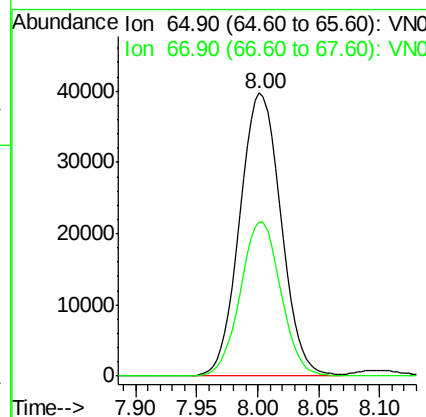
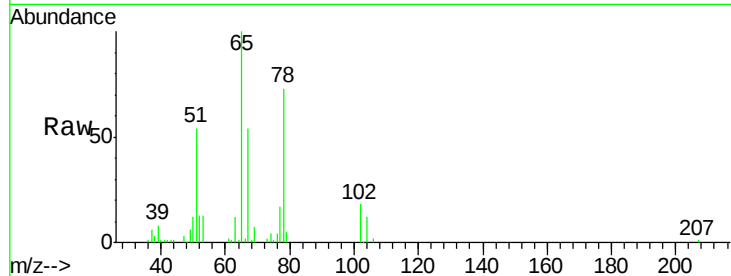
#33
 1,2-Dichloroethane-d4
 Concen: 51.323 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.3	0.0	107.6	

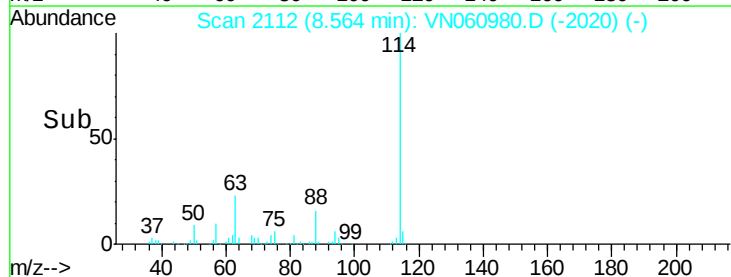
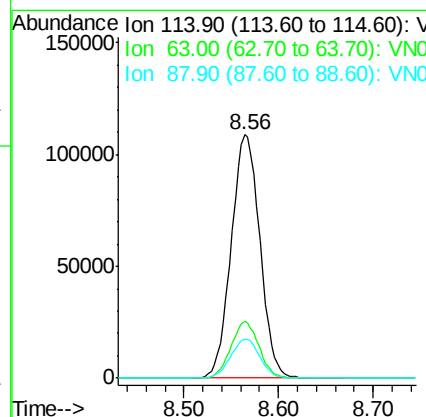
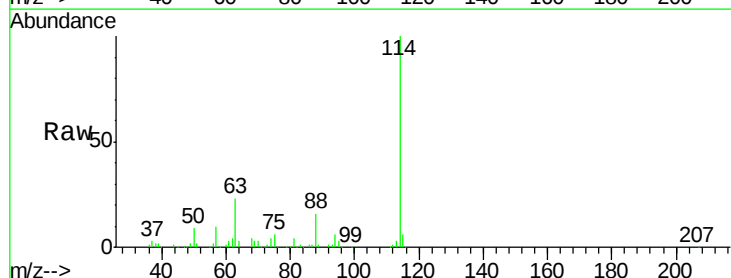
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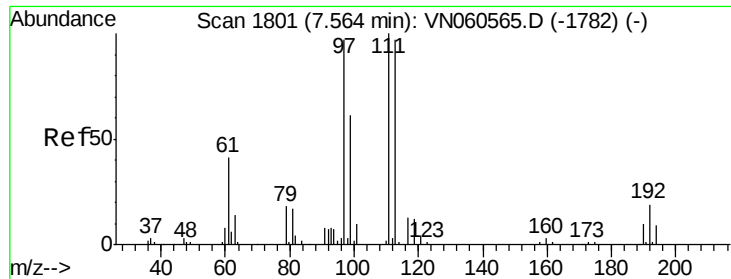
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.1	0.0	43.8	
88	16.1	0.0	33.0	





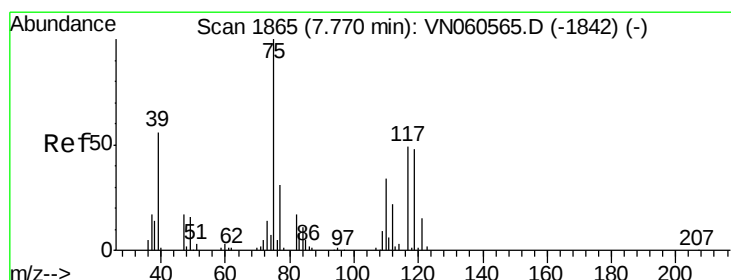
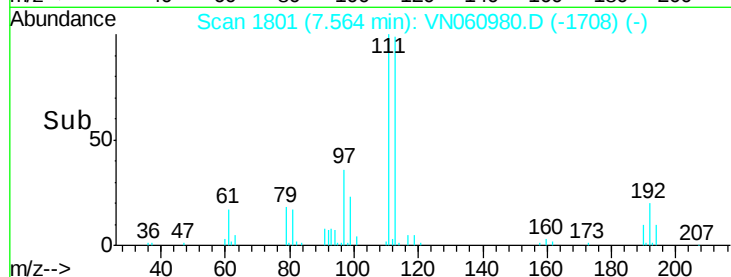
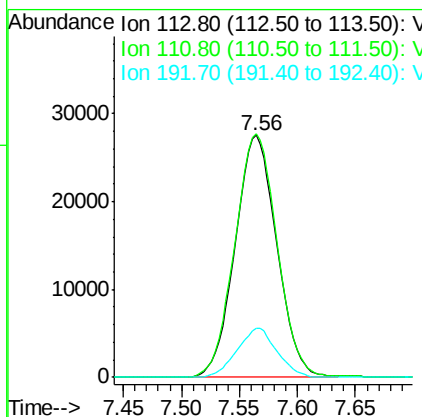
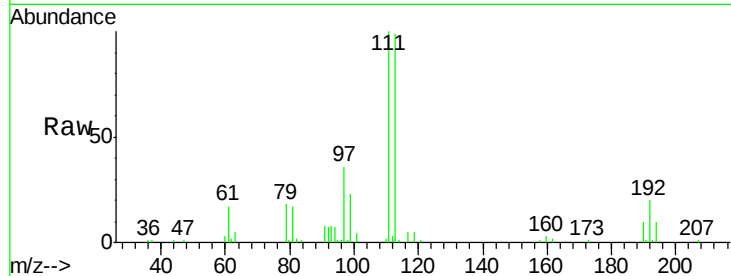
#35
 Dibromofluoromethane
 Concen: 49.658 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.9	124.3
192	19.4	15.8	23.8

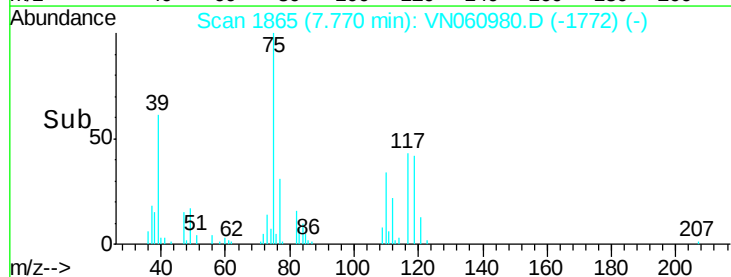
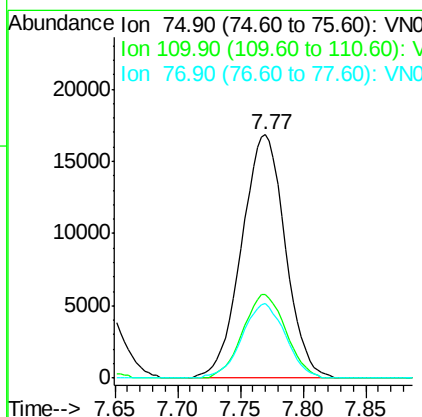
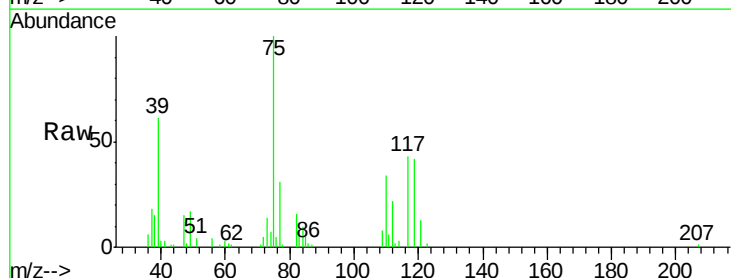
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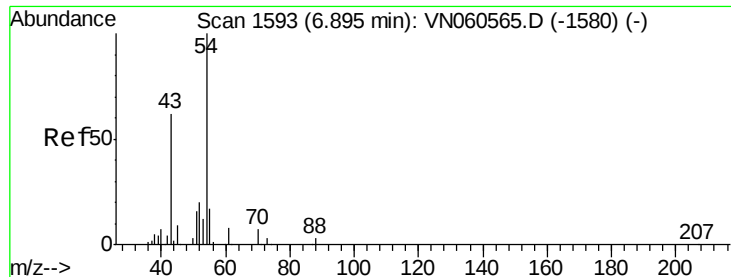
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#36
 1,1-Dichloropropene
 Concen: 18.394 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.9	50.6
77	30.5	24.6	36.8





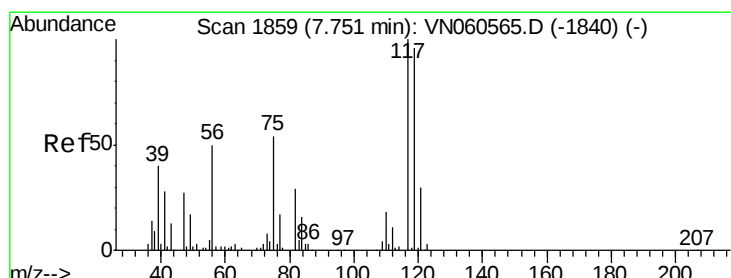
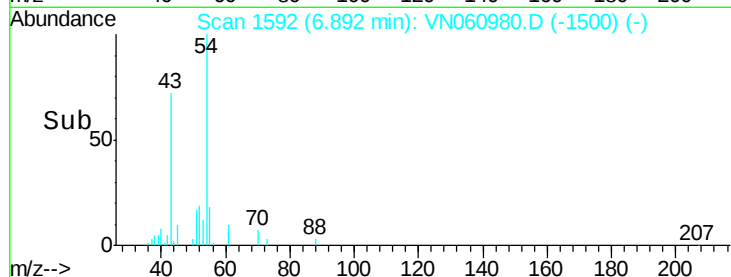
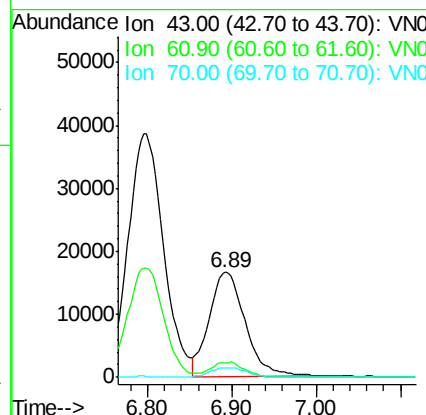
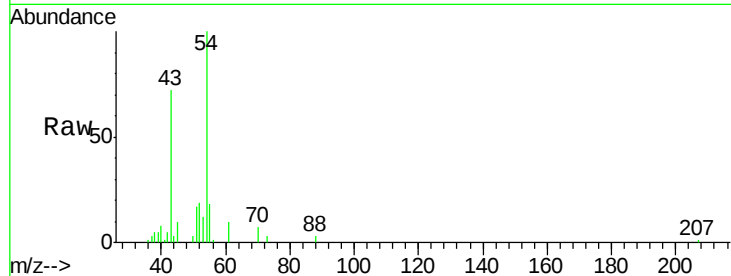
#37
Ethyl Acetate
Concen: 20.719 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
49676	100	13.2	9.0		10.6	15.8	

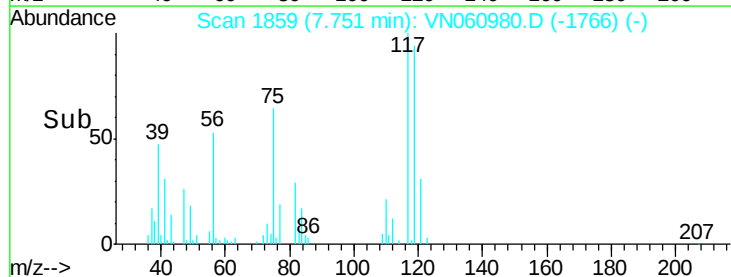
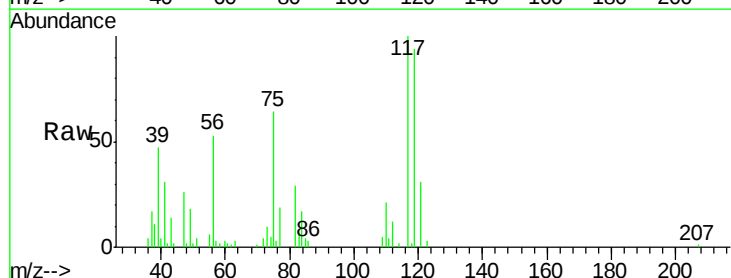
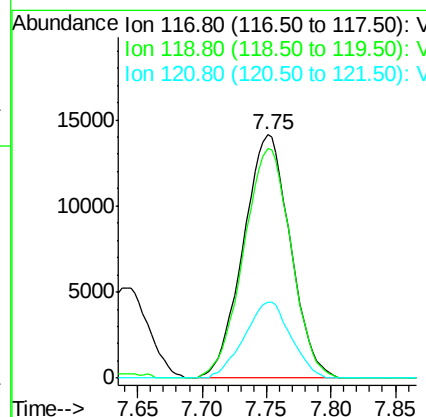
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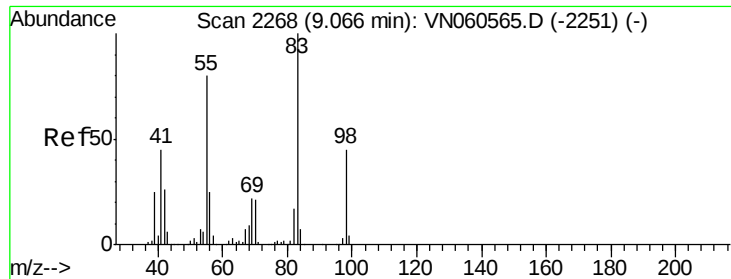
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#38
Carbon Tetrachloride
Concen: 18.047 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
35891	100	94.3	30.9		76.2	114.2	





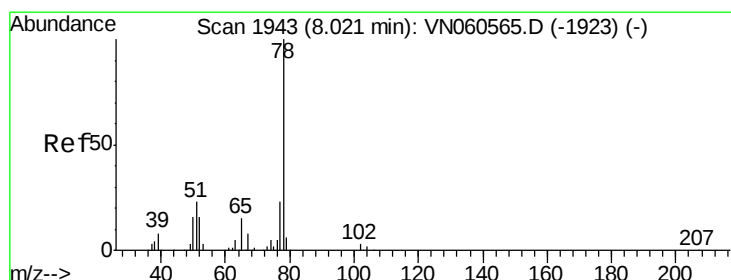
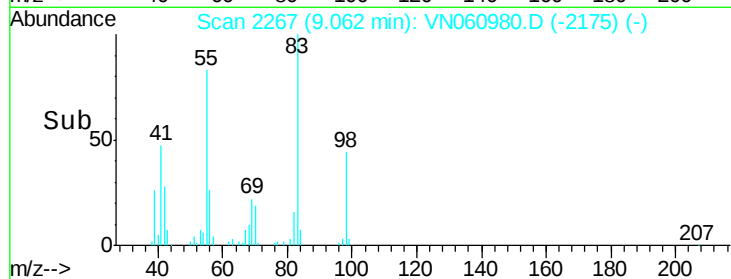
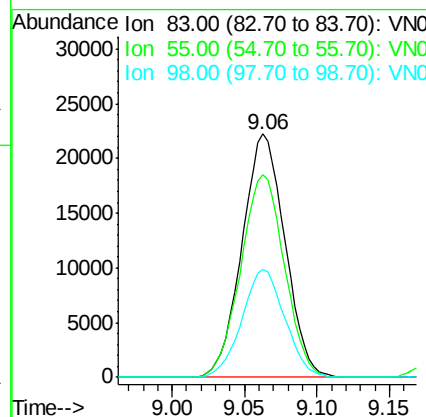
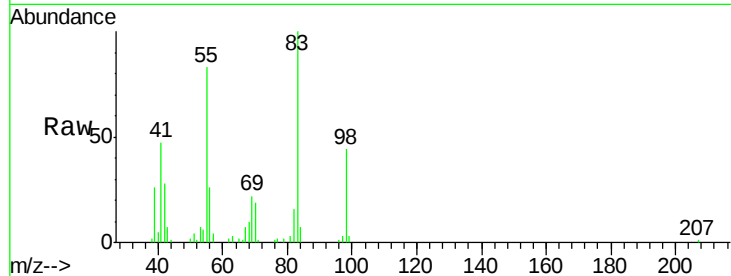
#39
Methvlcvclohexane
Concen: 17.369 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	63.6	95.4
98	44.2	36.0	54.0

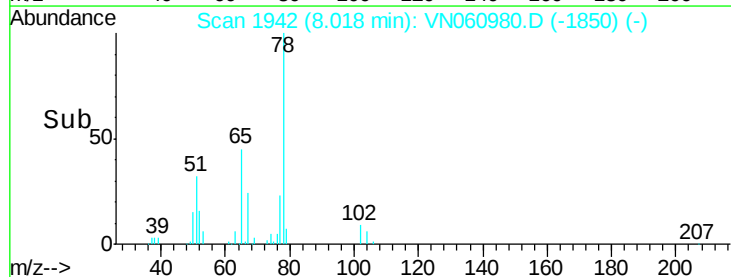
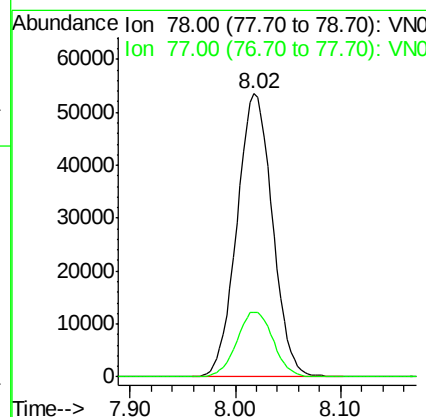
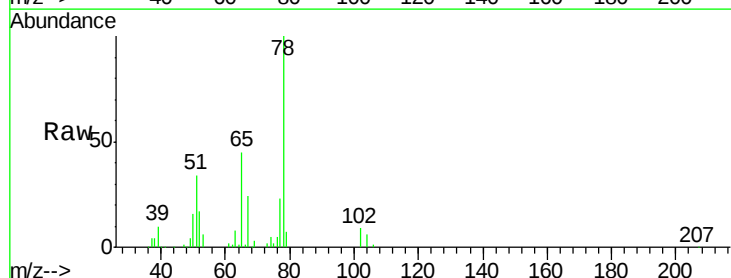
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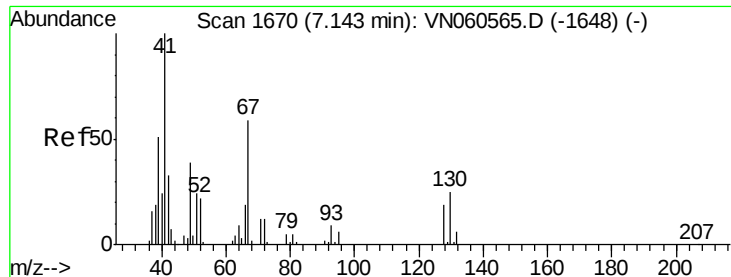
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#40
Benzene
Concen: 18.704 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





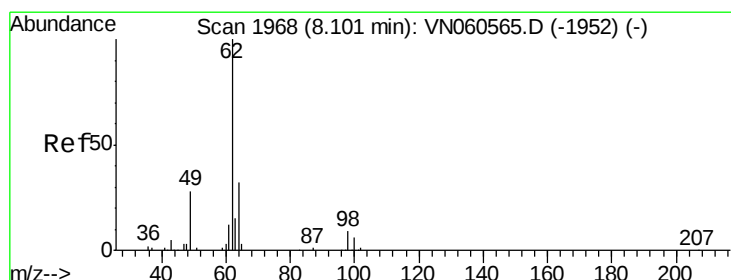
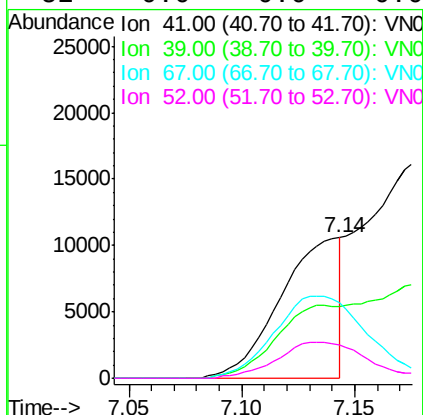
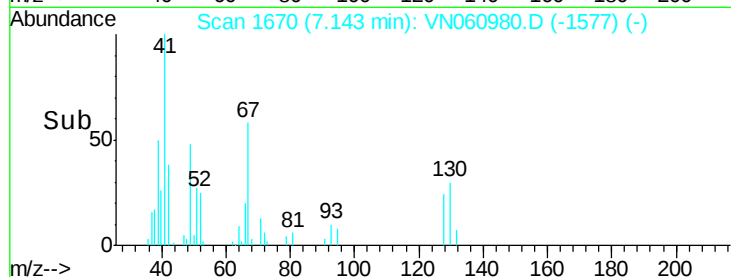
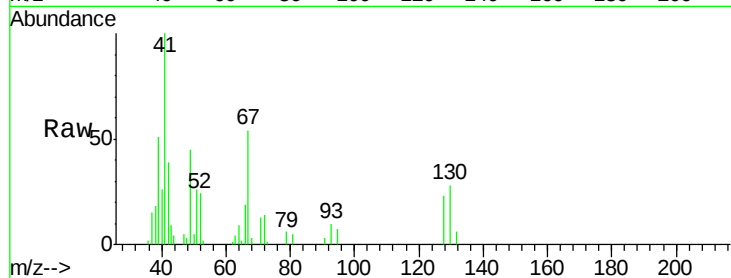
#41
Methacrylonitrile
Concen: 18.897 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

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

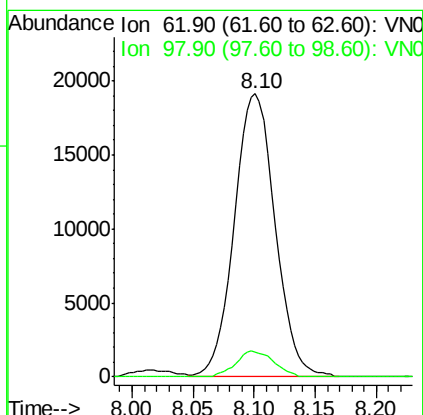
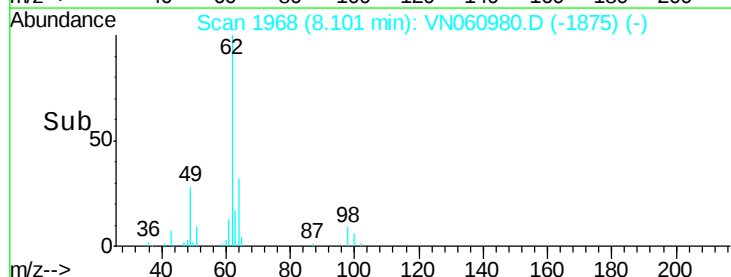
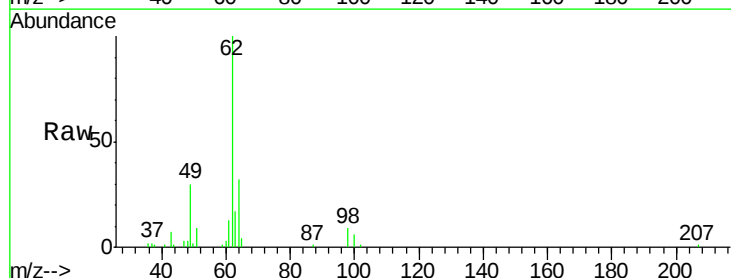
Manual Integrations
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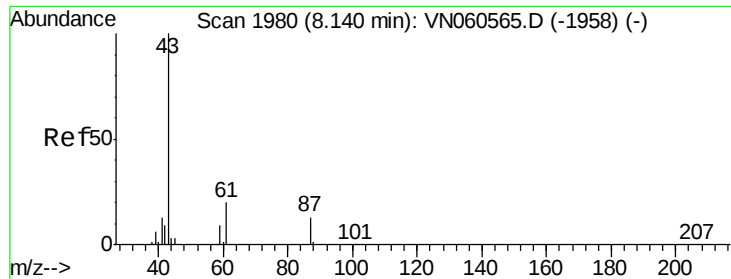
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#42
1,2-Dichloroethane
Concen: 19.401 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.8





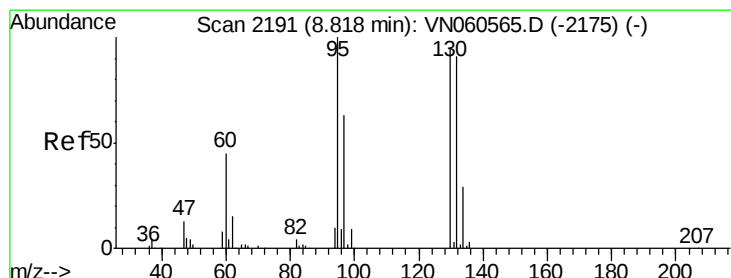
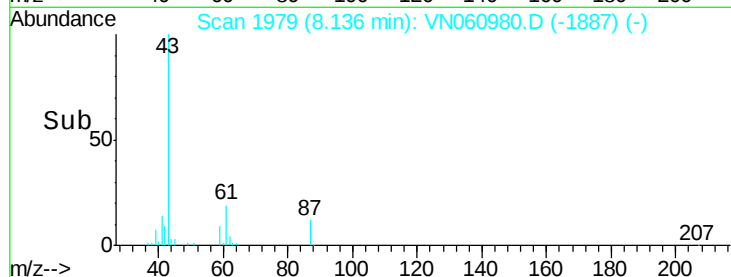
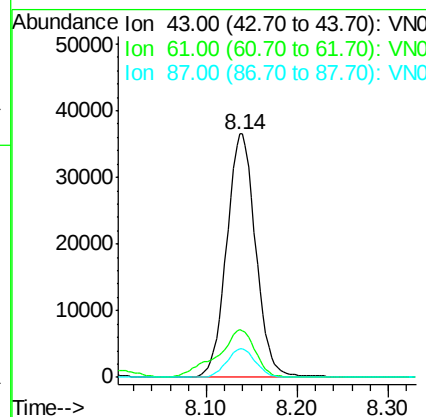
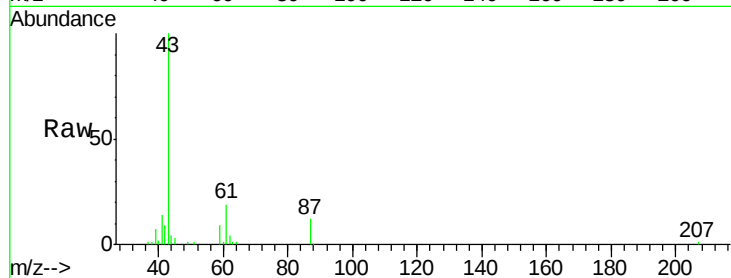
#43
Isopropyl Acetate
Concen: 20.467 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.7	31.1
87	11.6	9.8	14.8

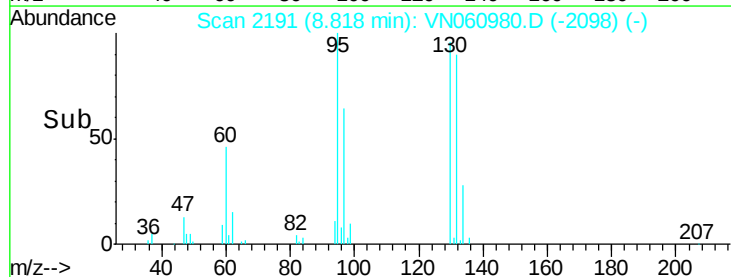
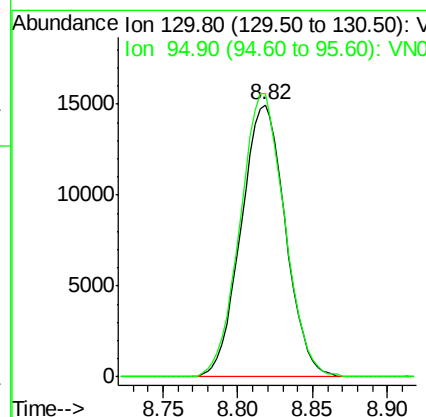
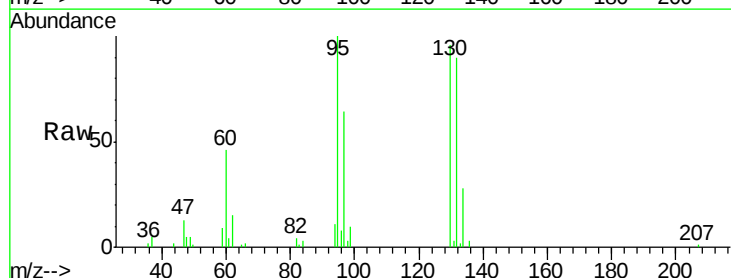
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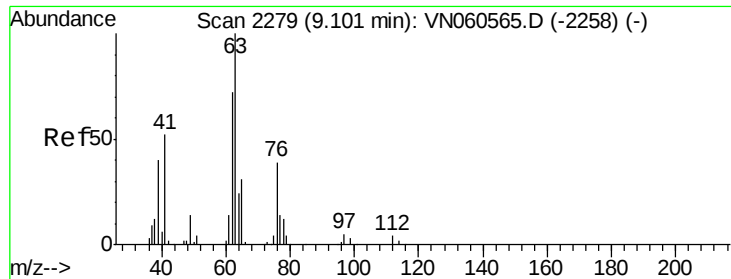
MMDadoda
4/16/2020 11:15:19 AM



#44
Trichloroethene
Concen: 18.265 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.0	0.0	211.2





#45

1,2-Dichloropropane

Concen: 20.120 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 63 Resp: 35562

Ion Ratio Lower Upper

63 100

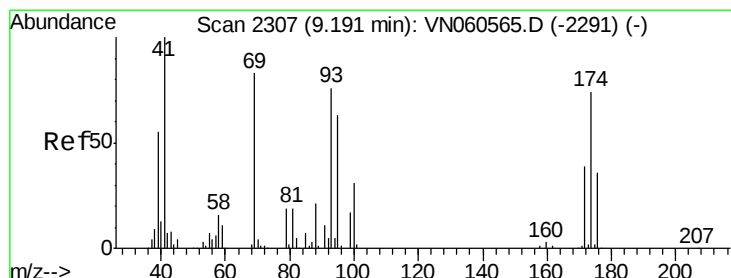
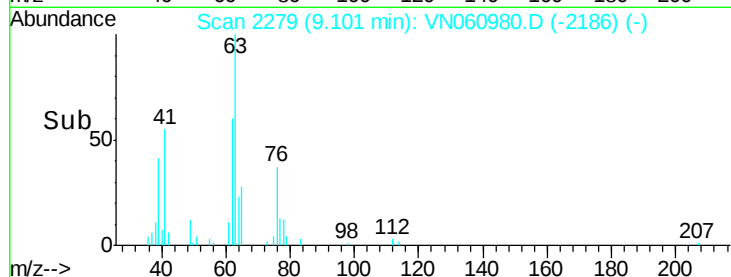
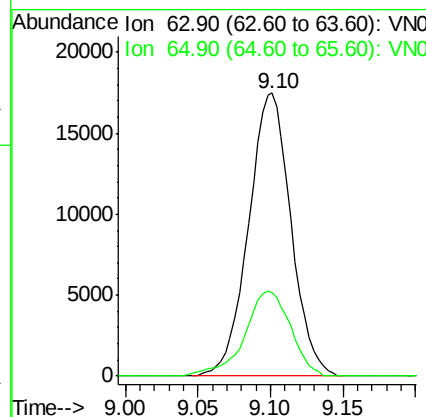
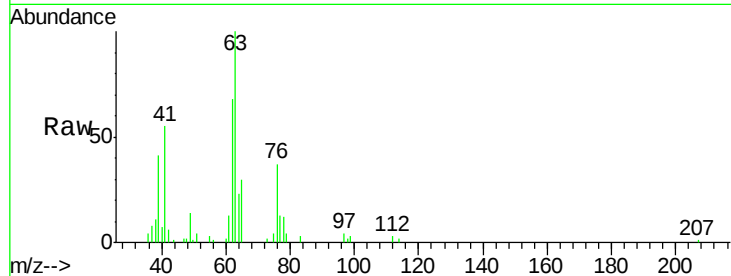
65 29.5 25.4 38.0

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#46

Dibromomethane

Concen: 19.572 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

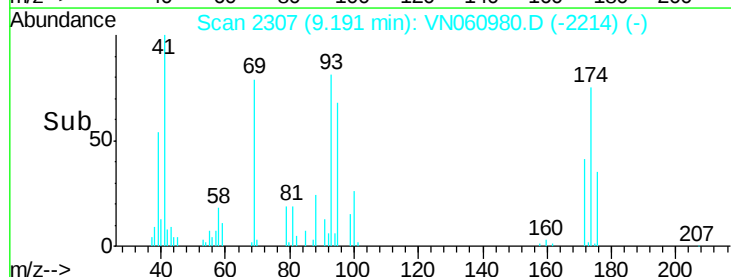
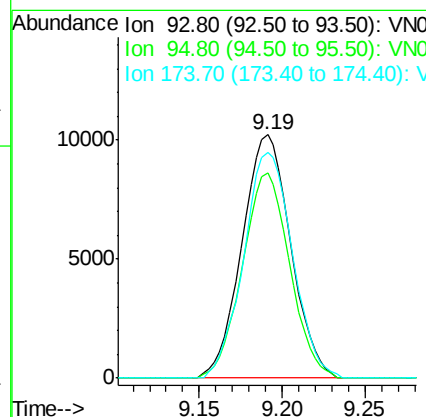
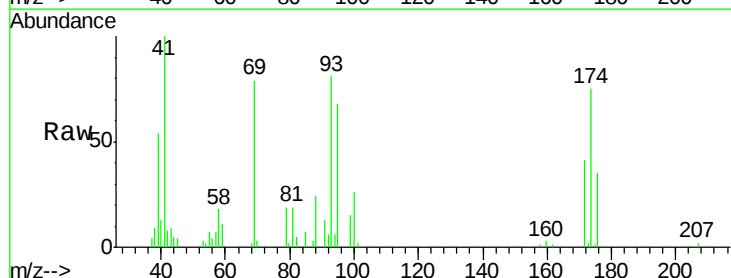
Tgt Ion: 93 Resp: 20913

Ion Ratio Lower Upper

93 100

95 82.0 66.2 99.4

174 93.1 77.9 116.9





#47

Bromodichloromethane

Concen: 19.634 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

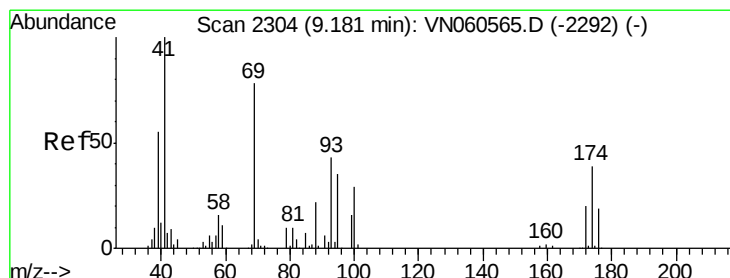
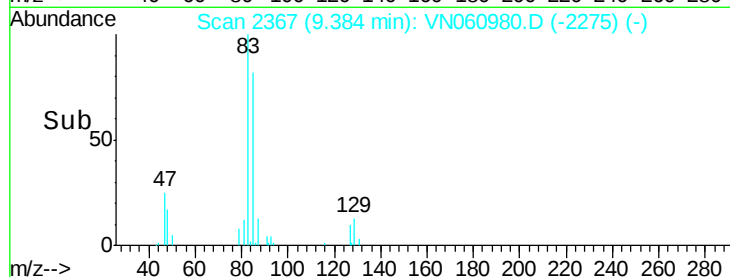
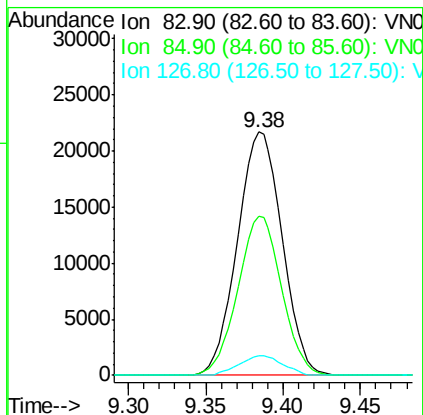
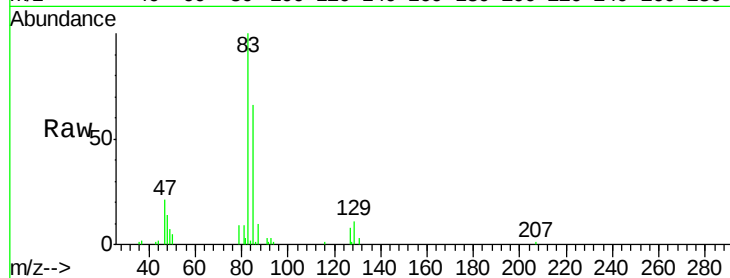
ClientSampleId :

VN0415WBS02

Tot Ion:	83	Resp:	43597
Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.8	77.6
127	7.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.585 ug/l

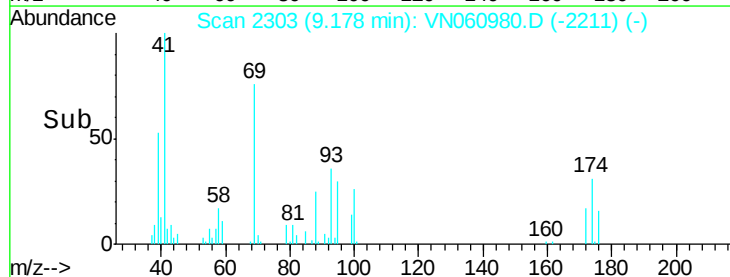
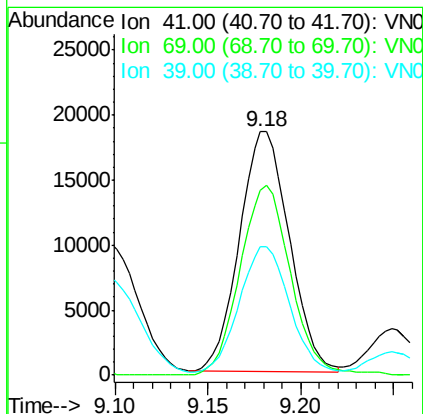
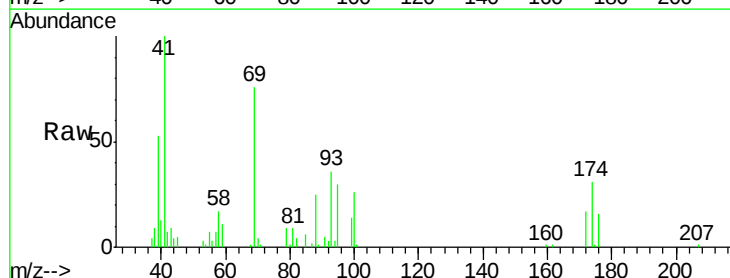
RT: 9.18 min Scan# 2303

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	41	Resp:	34478
Ion	Ratio	Lower	Upper
41	100		
69	80.2	65.4	98.0
39	55.0	44.0	66.0





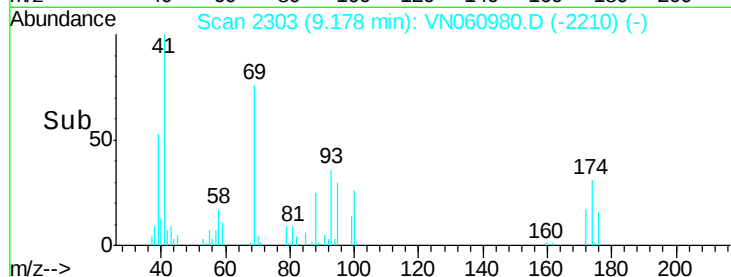
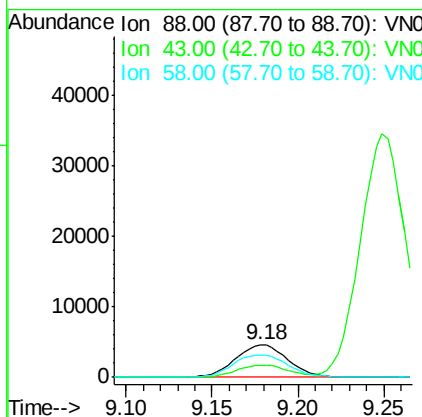
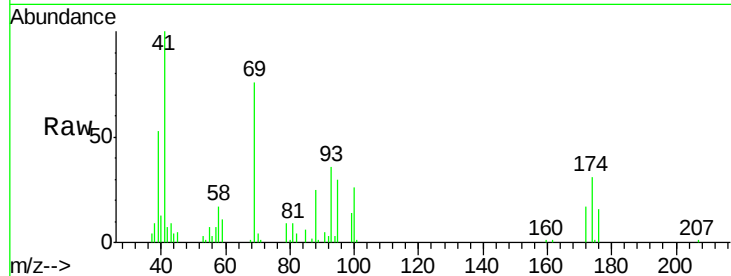
#49
1,4-Dioxane
Concen: 460.499 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.8	46.2
58	73.3	59.8	89.8

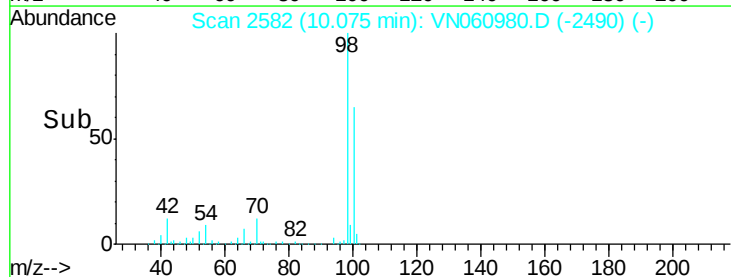
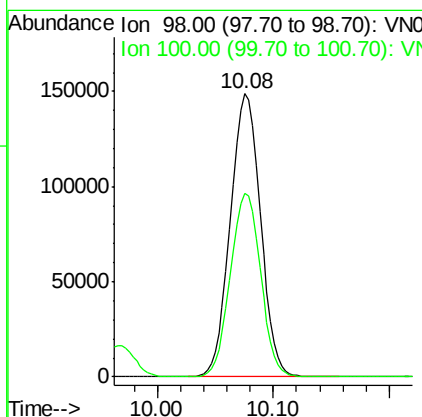
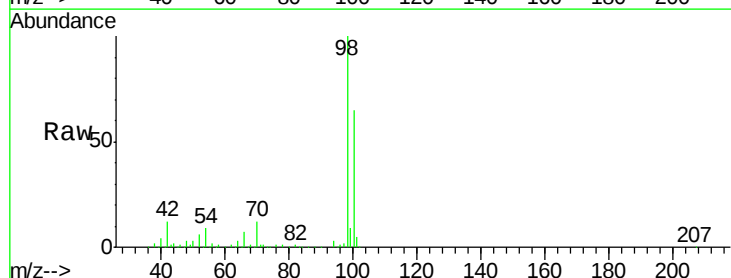
Manual Integrations
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#50
Toluene-d8
Concen: 47.316 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 105.659 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 43 Resp: 237737

Ion Ratio Lower Upper

43 100

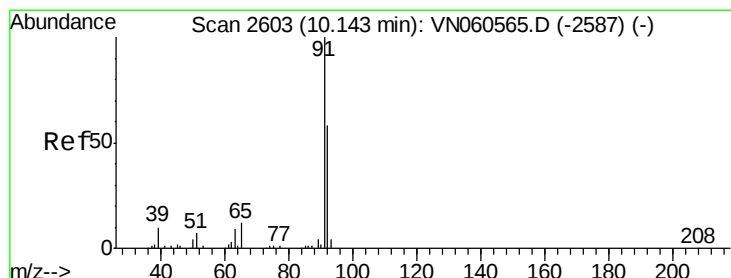
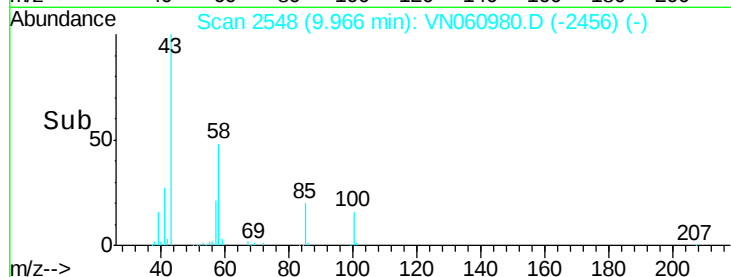
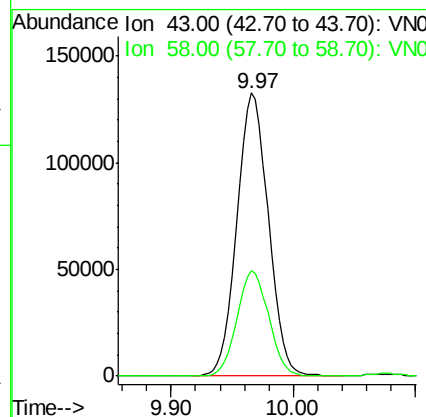
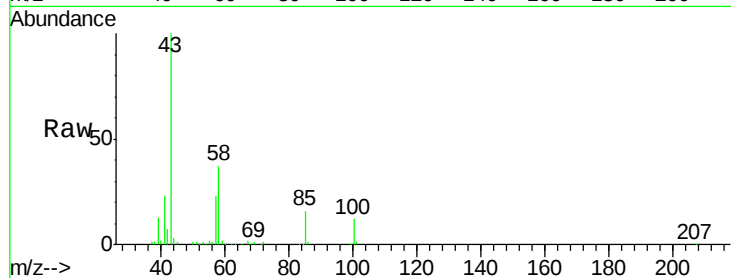
58 37.5 30.8 46.2

Manual Integrations

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#52

Toluene

Concen: 18.533 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060980.D

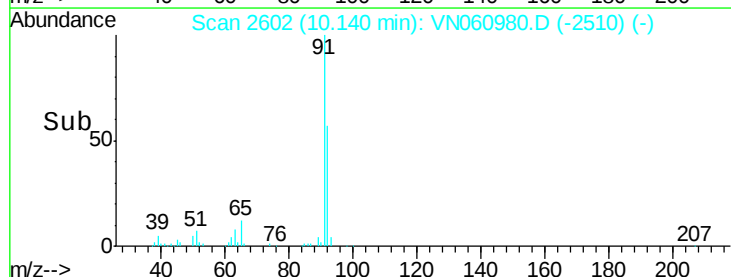
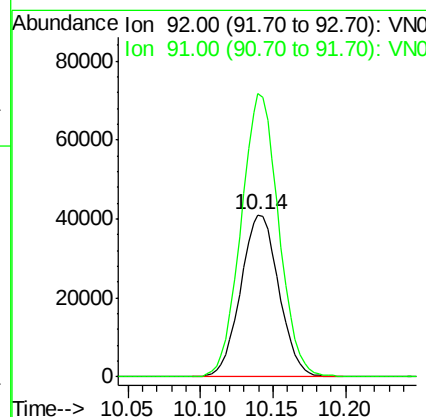
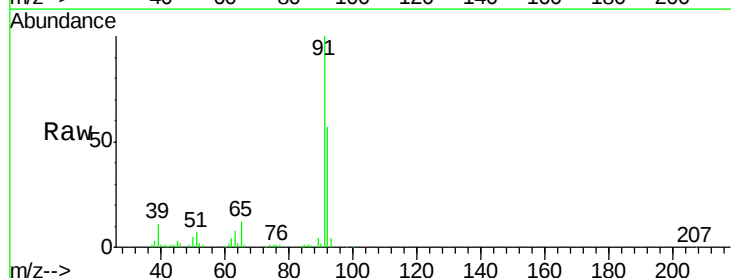
Acq: 15 Apr 2020 22:40

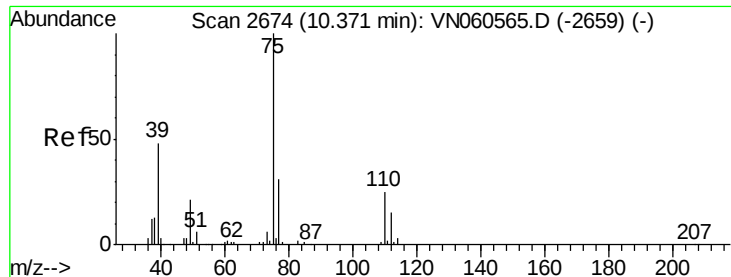
Tgt Ion: 92 Resp: 74974

Ion Ratio Lower Upper

92 100

91 172.4 137.6 206.4





#53

t-1,3-Dichloropropene

Concen: 19.091 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 75 Resp: 48692

Ion Ratio Lower Upper

75 100

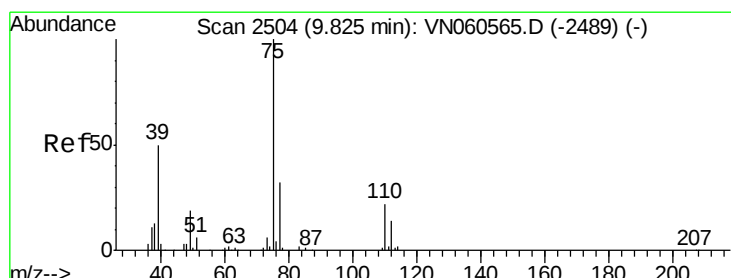
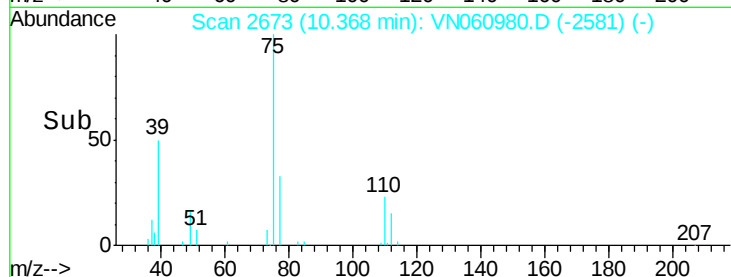
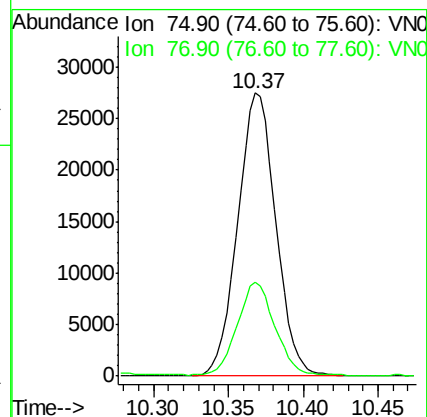
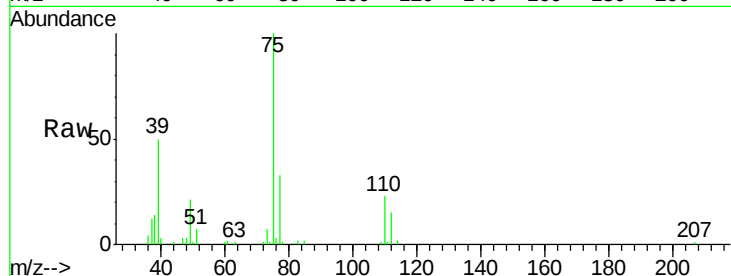
77 32.8 25.1 37.7

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 18.887 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

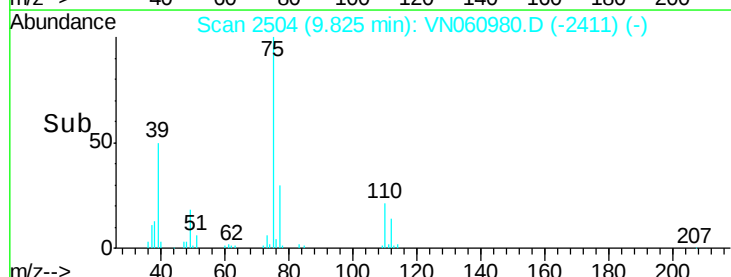
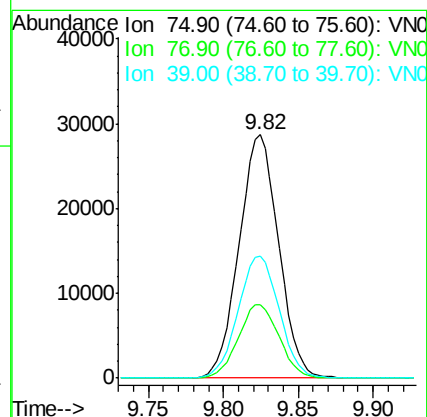
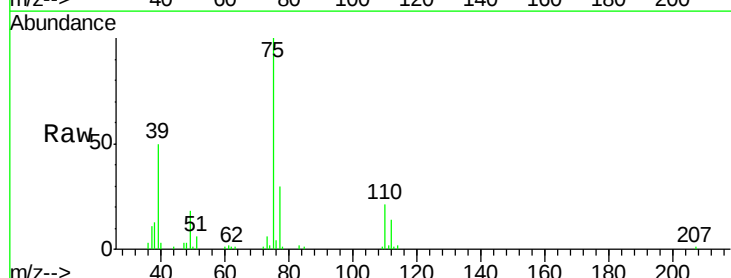
Tgt Ion: 75 Resp: 52847

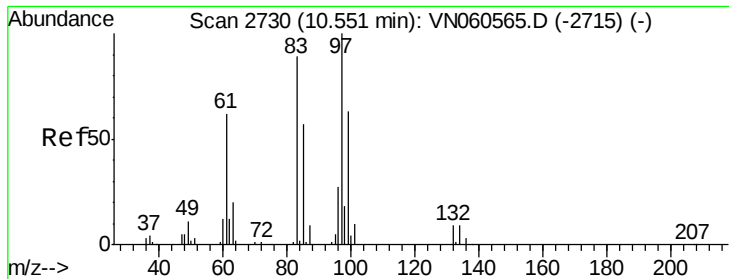
Ion Ratio Lower Upper

75 100

77 30.2 25.4 38.0

39 50.1 40.2 60.4





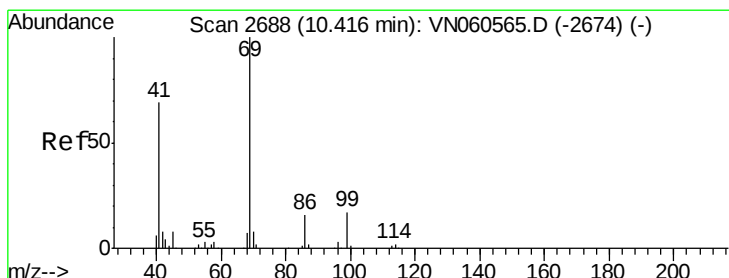
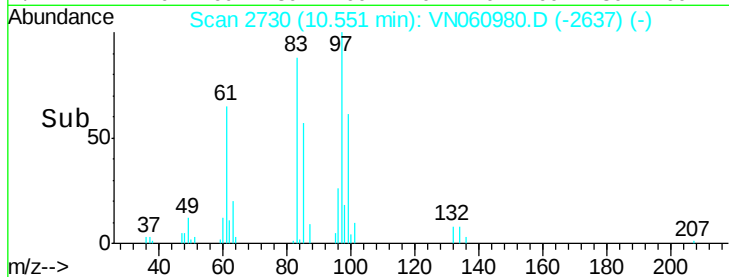
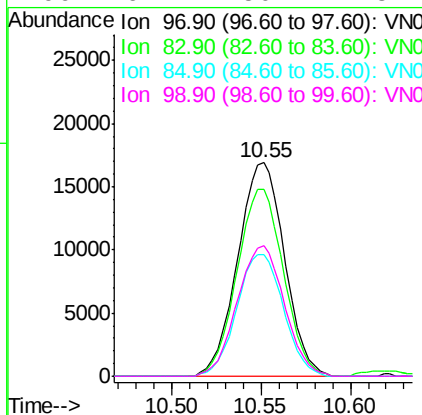
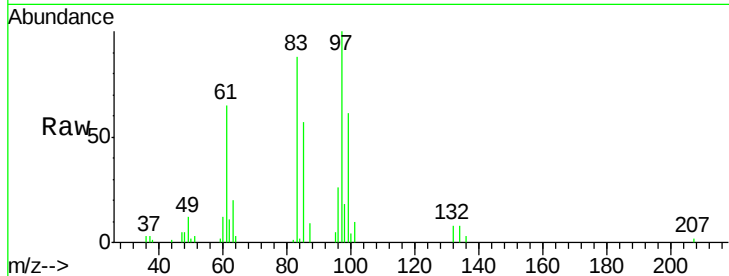
#55
 1,1,2-Trichloroethane
 Concen: 19.900 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion:	97	Resp:	30971
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.3	106.9
85	56.8	45.2	67.8
99	61.1	50.1	75.1

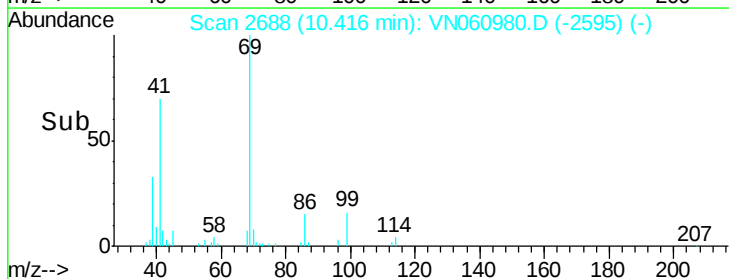
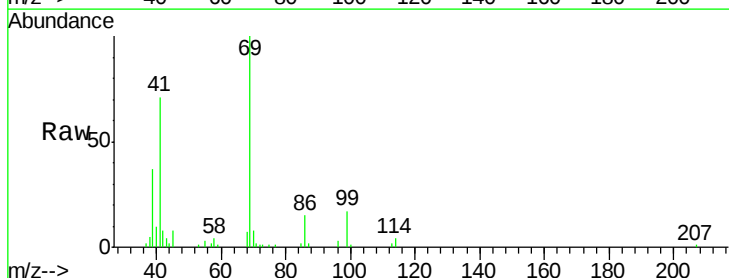
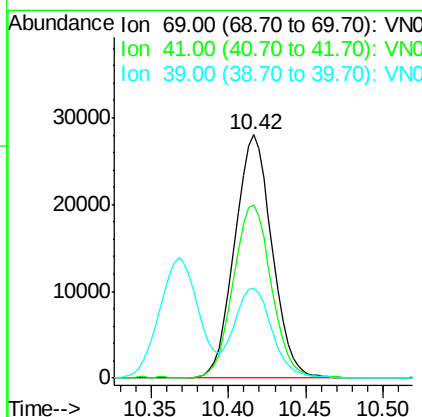
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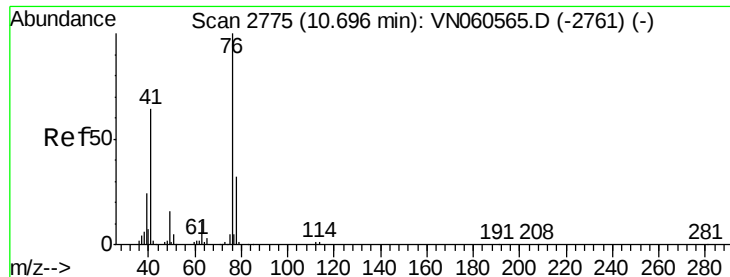
MMDadoda
 4/16/2020 11:15:19 AM



#56
 Ethyl methacrylate
 Concen: 19.368 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion:	69	Resp:	47000
Ion	Ratio	Lower	Upper
69	100		
41	72.8	55.4	83.2
39	37.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 19.767 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 76 Resp: 53384

Ion Ratio Lower Upper

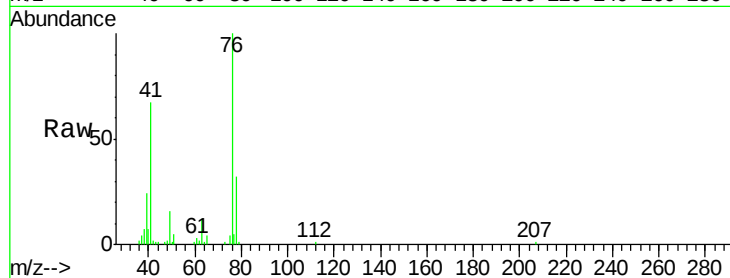
76 100

78 32.2 25.8 38.6

Manual Integrations
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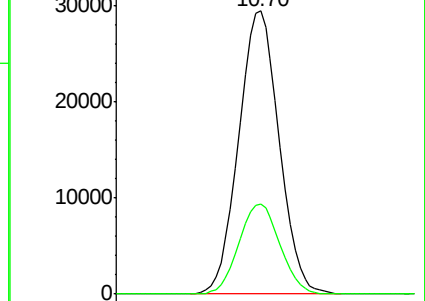
MMDadoda

4/16/2020 11:15:19 AM

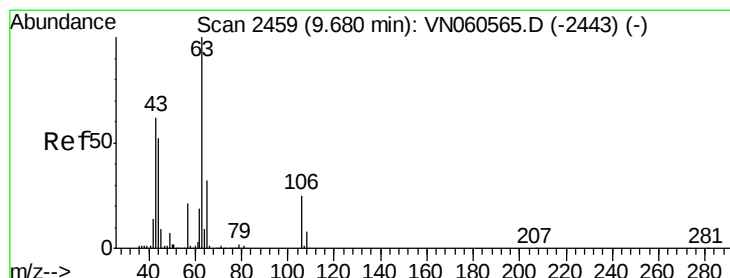
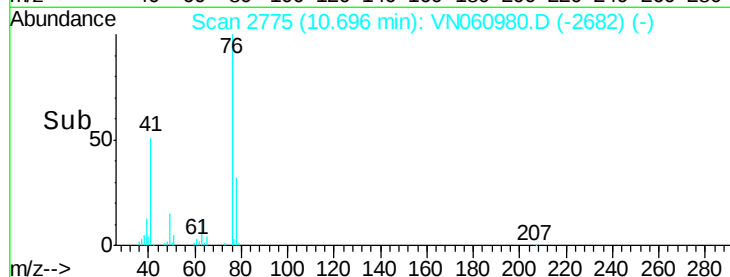


Abundance Ion 75.90 (75.60 to 76.60): VN060980.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060980.D (-2682) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 85.439 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060980.D

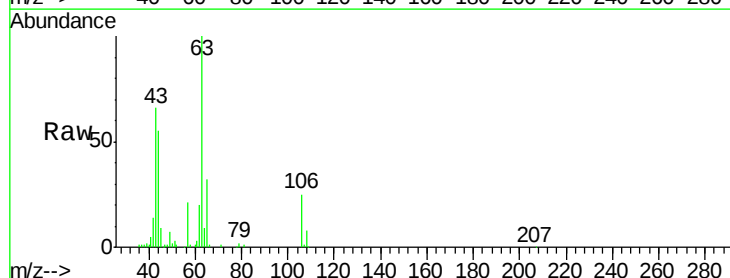
Acq: 15 Apr 2020 22:40

Tgt Ion: 63 Resp: 103045

Ion Ratio Lower Upper

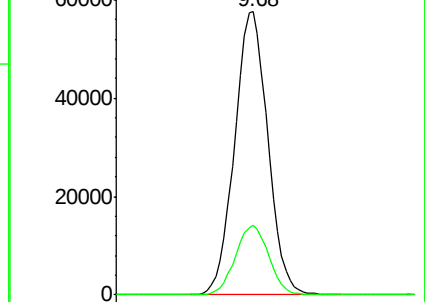
63 100

106 24.6 20.0 30.0

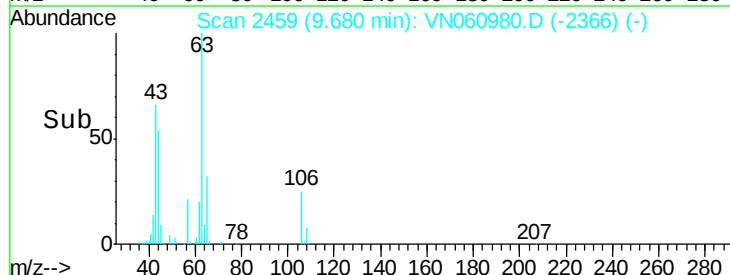


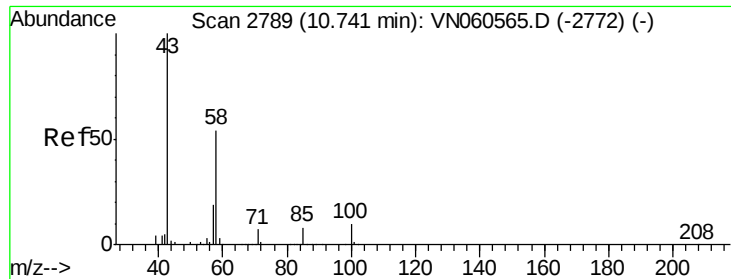
Abundance Ion 62.90 (62.60 to 63.60): VN060980.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060980.D (-2366) (-)



Time-->





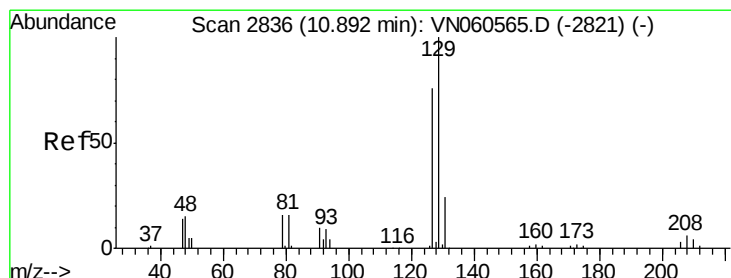
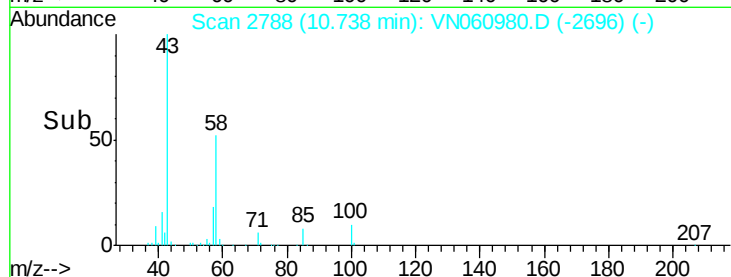
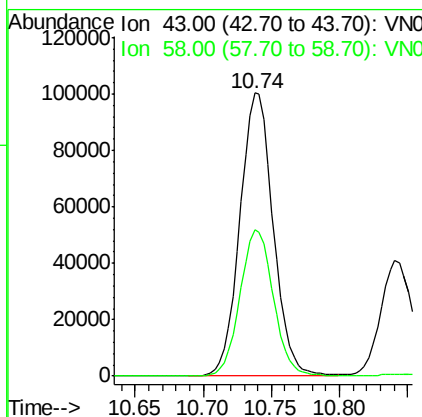
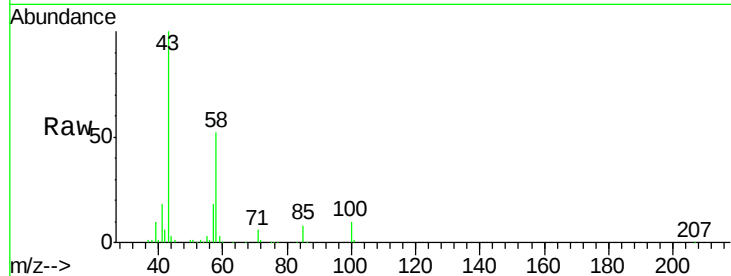
#59
2-Hexanone
Concen: 105.188 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion: 43 Resp: 170490
Ion Ratio Lower Upper
43 100
58 51.9 26.7 80.1

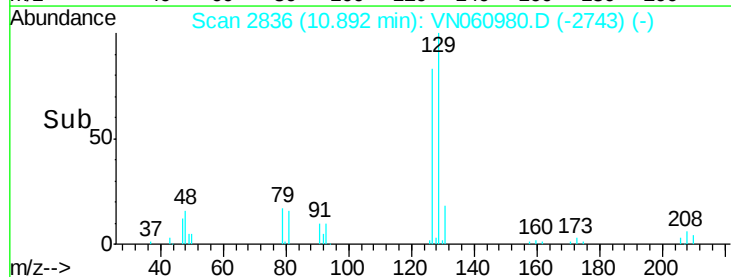
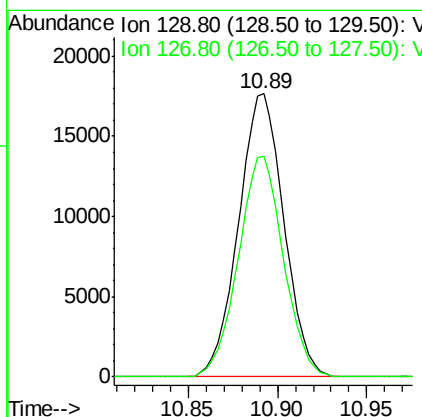
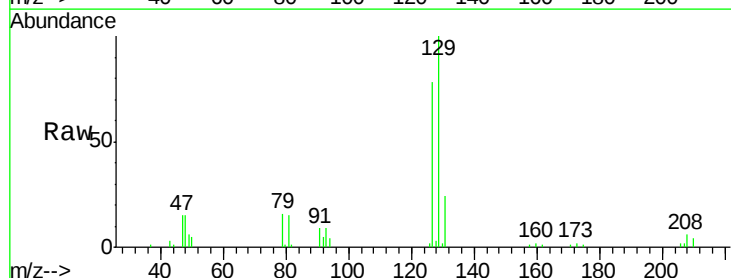
Manual Integrations
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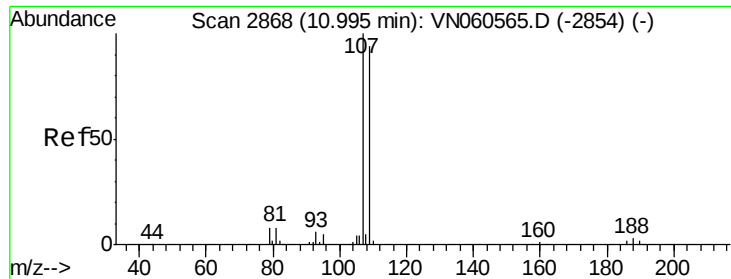
MMDadoda
4/16/2020 11:15:19 AM



#60
Dibromochloromethane
Concen: 19.454 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion: 129 Resp: 31274
Ion Ratio Lower Upper
129 100
127 77.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.822 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion:107 Resp: 29456

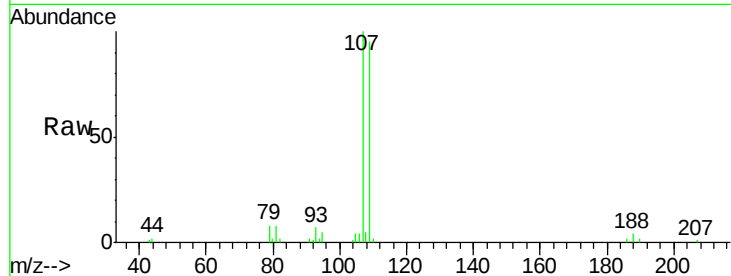
Ion Ratio Lower Upper

107 100

109 95.4 75.4 113.2

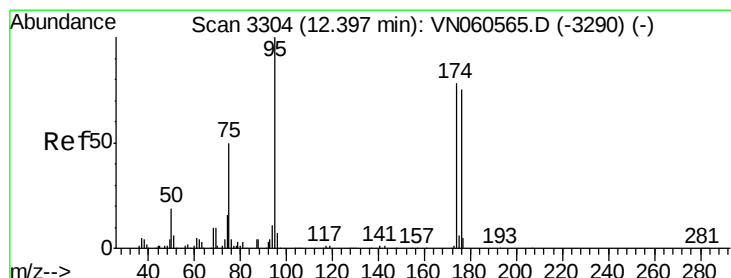
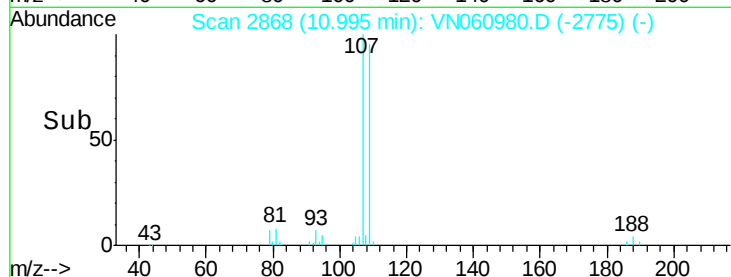
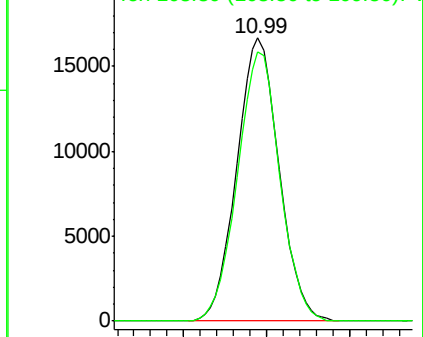
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.760 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

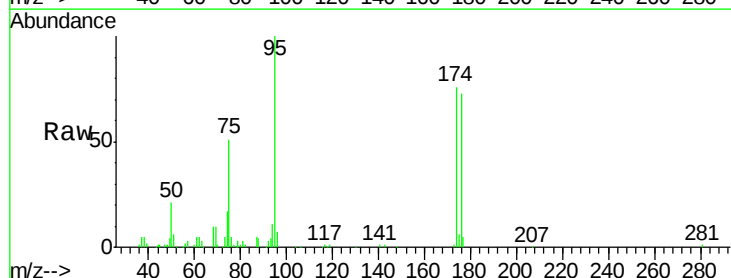
Tgt Ion: 95 Resp: 99063

Ion Ratio Lower Upper

95 100

174 76.0 0.0 157.6

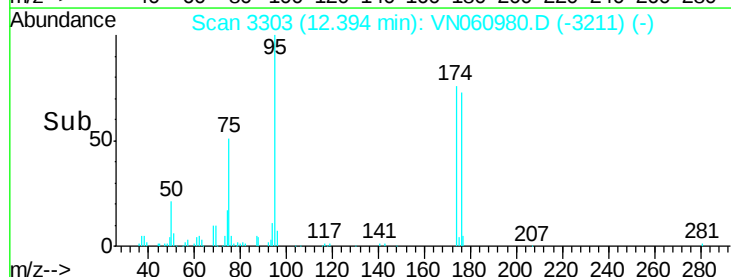
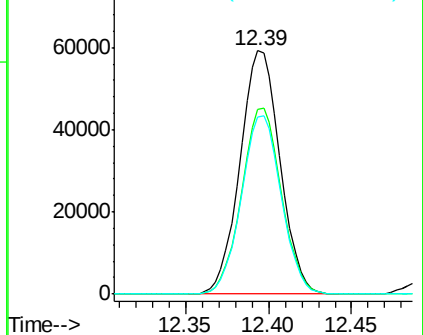
176 73.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





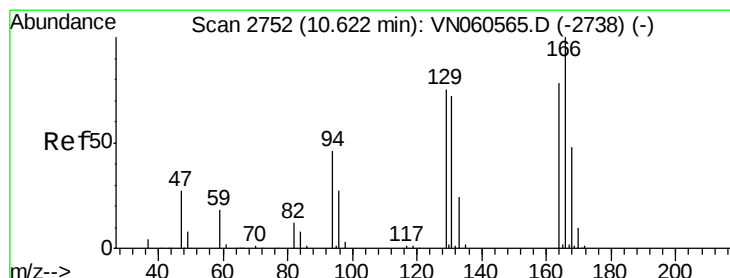
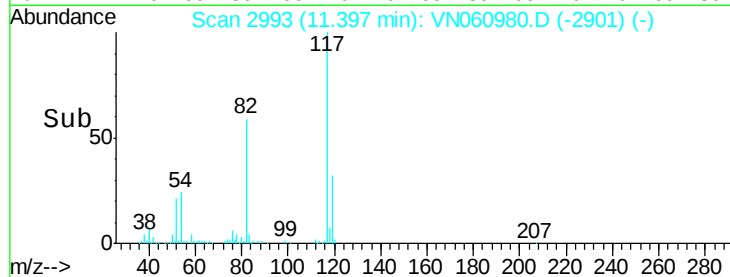
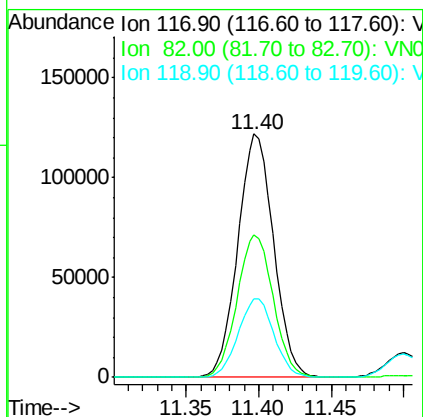
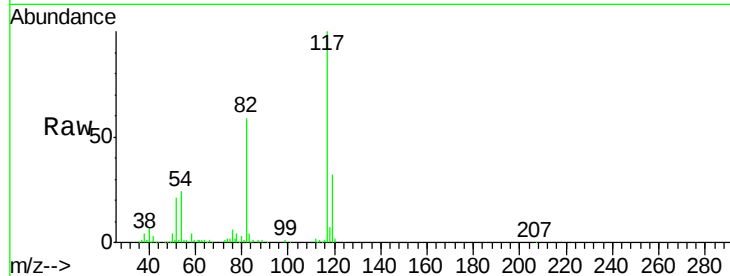
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.7	70.1
119	32.3	25.5	38.3

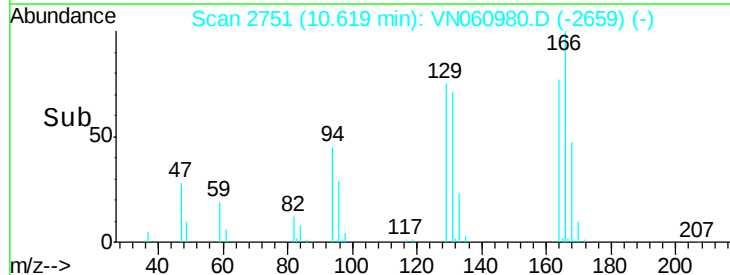
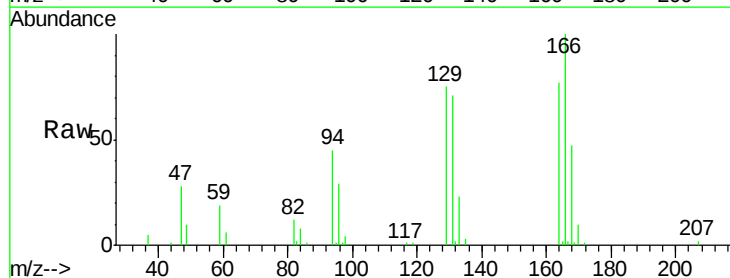
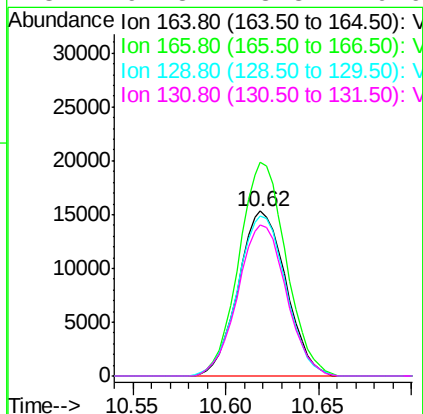
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#64
Tetrachloroethene
Concen: 16.696 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.8	102.7	154.1
129	97.3	77.2	115.8
131	91.8	73.8	110.6





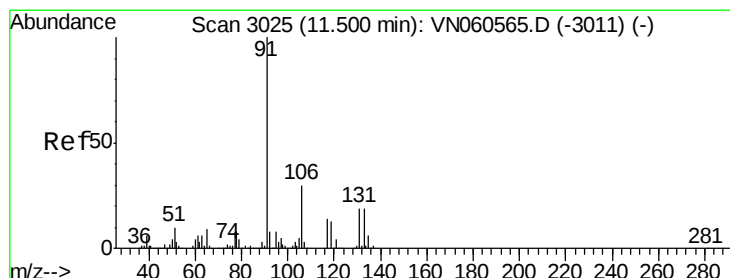
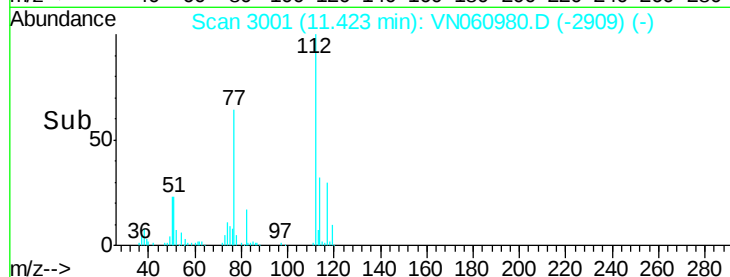
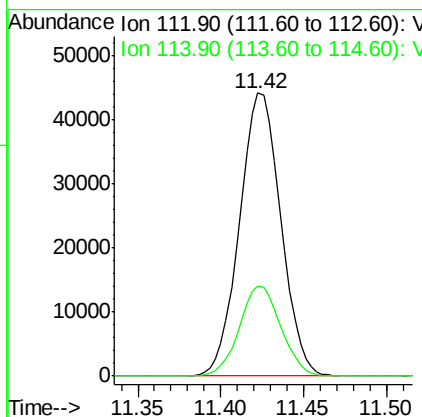
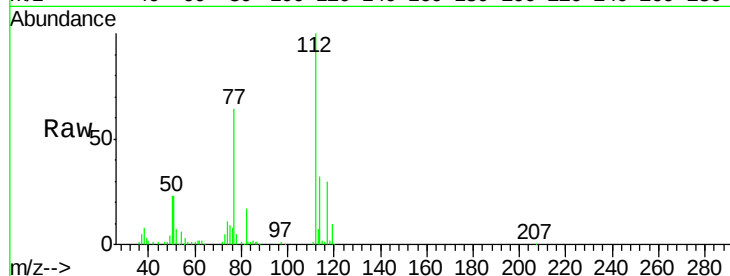
#65
Chlorobenzene
Concen: 18.491 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion:112 Resp: 76733
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6

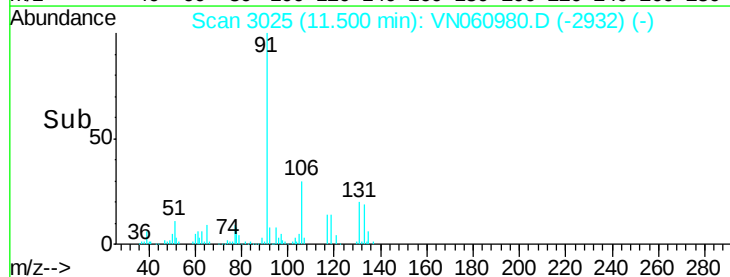
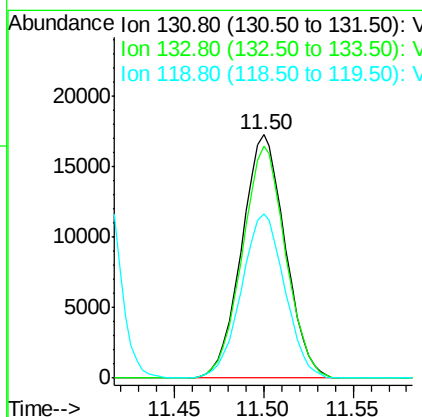
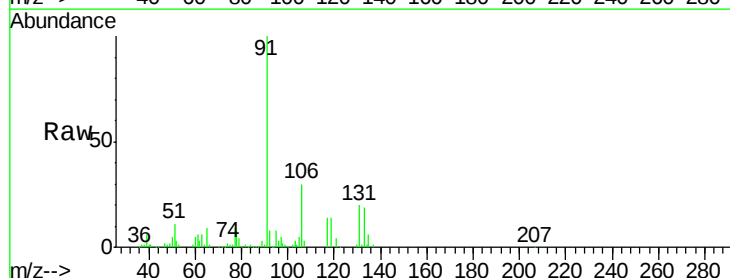
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.636 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion:131 Resp: 29503
Ion Ratio Lower Upper
131 100
133 94.7 48.9 146.8
119 67.2 33.9 101.7





#67

Ethyl Benzene

Concen: 18.854 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 91 Resp: 145497

Ion Ratio Lower Upper

91 100

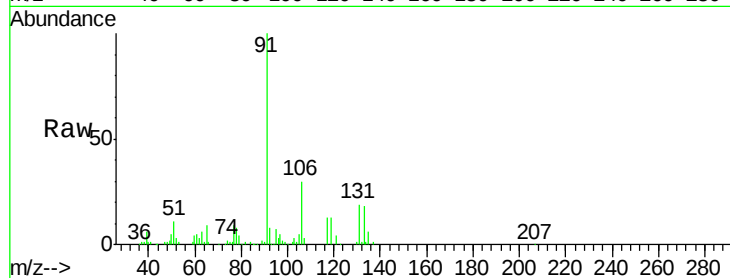
106 30.2 24.2 36.2

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Abundance Ion 91.00 (90.70 to 91.70): VN060980.D (-2933) (-)

Ion 106.00 (105.70 to 106.70): VN060980.D (-2933) (-)

11.50

80000

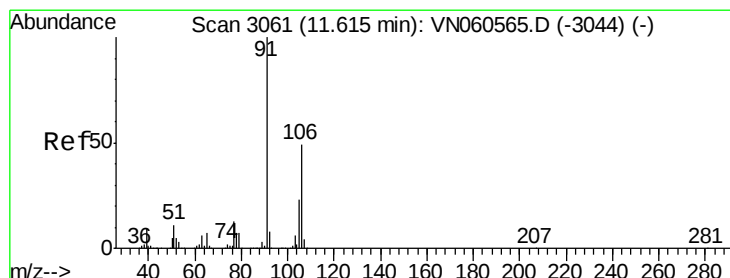
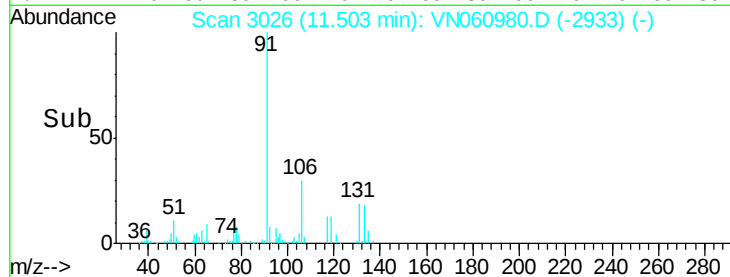
60000

40000

20000

0

Time-->



#68

m/p-Xylenes

Concen: 36.634 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060980.D

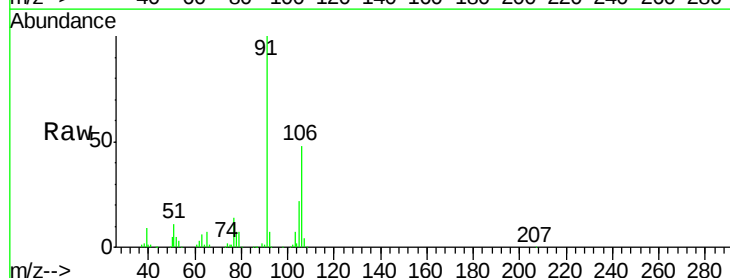
Acq: 15 Apr 2020 22:40

Tgt Ion: 106 Resp: 105057

Ion Ratio Lower Upper

106 100

91 208.6 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060980.D (-2968) (-)

Ion 91.00 (90.70 to 91.70): VN060980.D (-2968) (-)

11.61

120000

100000

80000

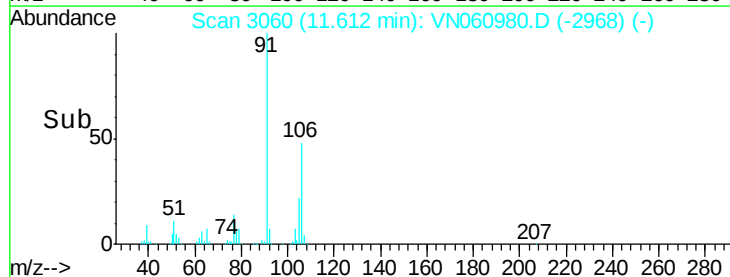
60000

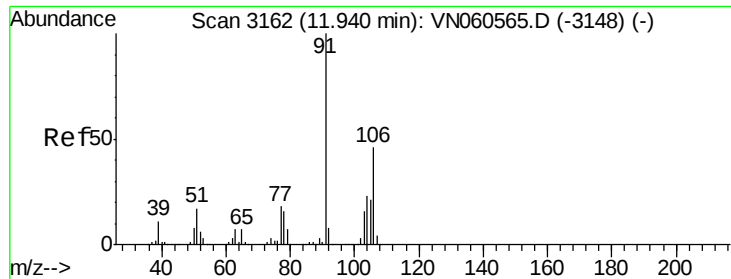
40000

20000

0

Time-->





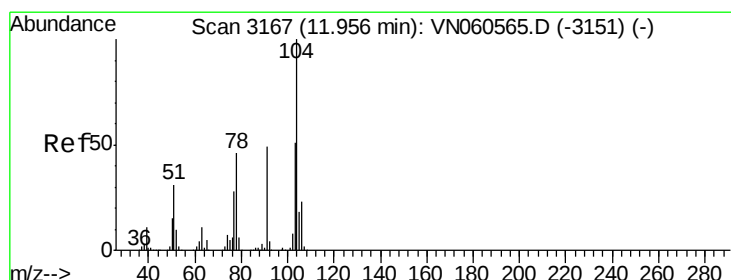
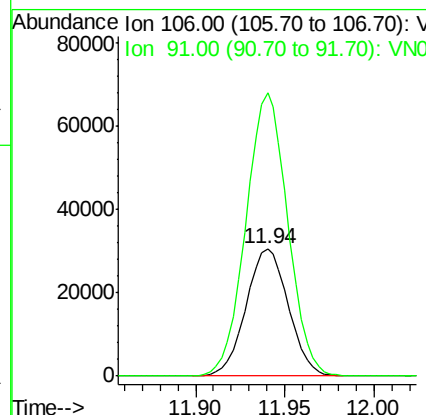
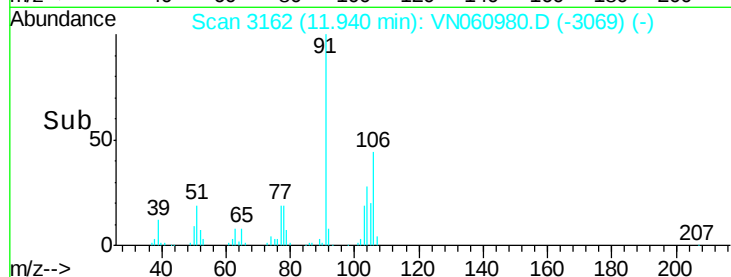
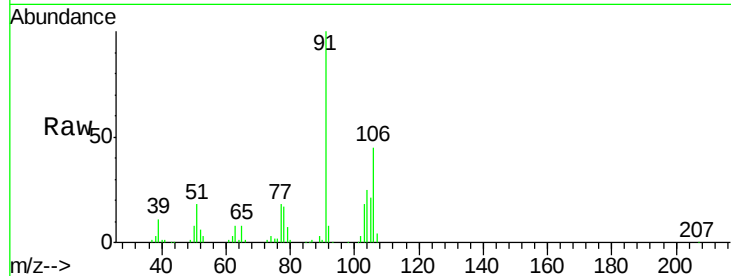
#69
o-Xylene
Concen: 18.557 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion:106 Resp: 50802
Ion Ratio Lower Upper
106 100
91 219.2 109.5 328.4

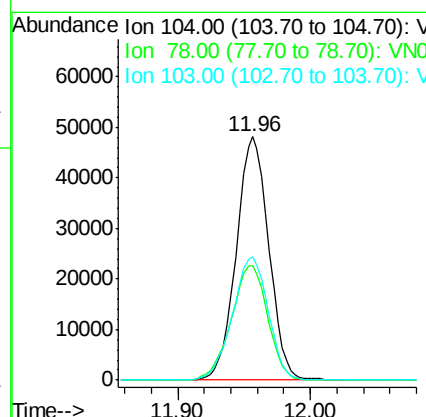
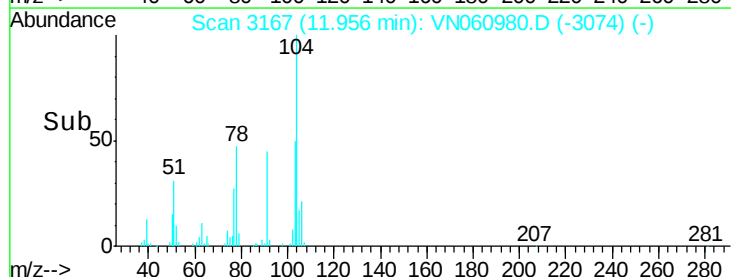
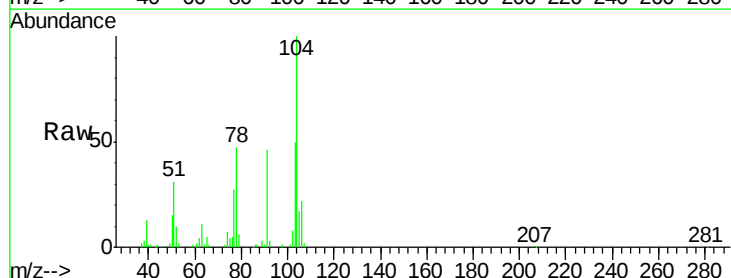
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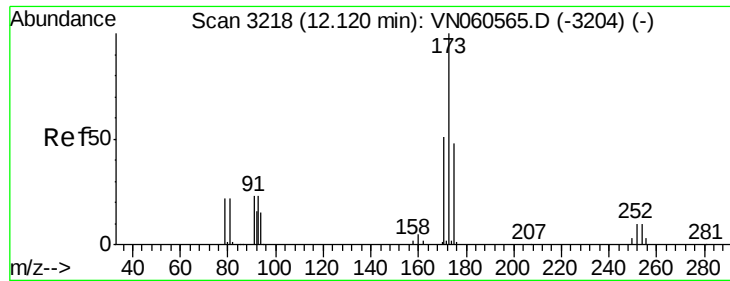
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#70
Styrene
Concen: 18.294 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion:104 Resp: 81910
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 55.5 44.0 66.0





#71

Bromoform

Concen: 18.974 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

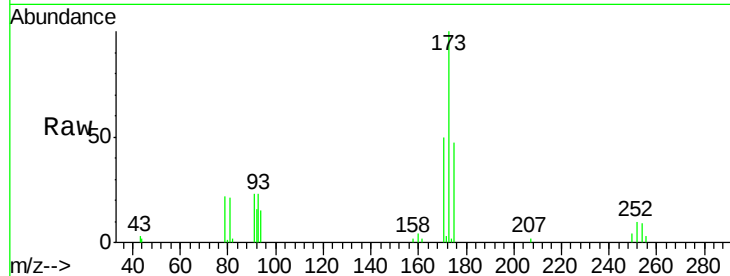
ClientSampleId :

VN0415WBS02

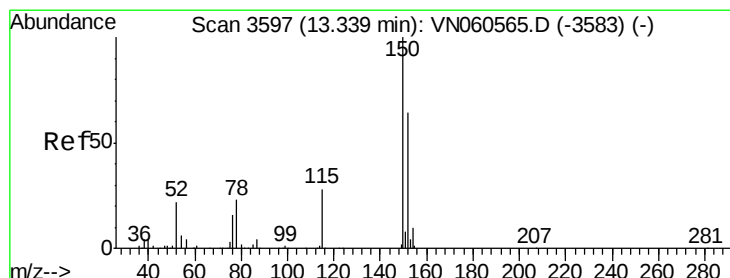
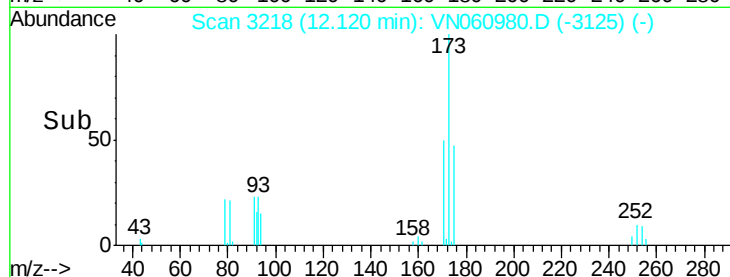
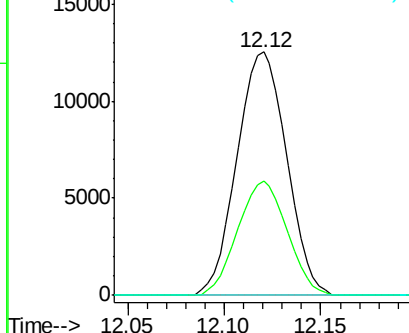
Tot Ion:	173	Resp:	22347
Ion Ratio	Lower	Upper	
173	100		
175	46.9	24.1	72.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

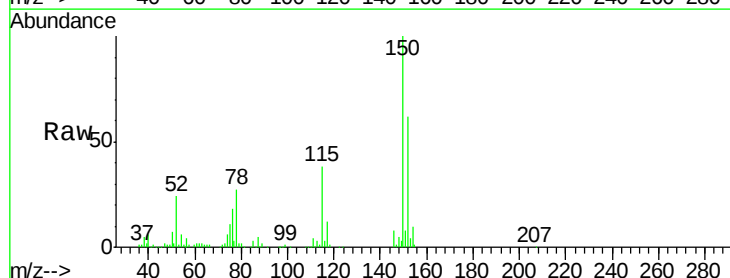
RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

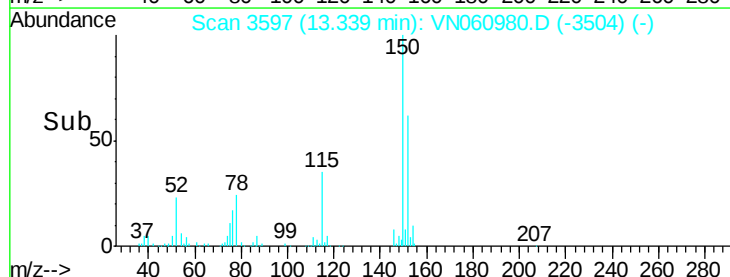
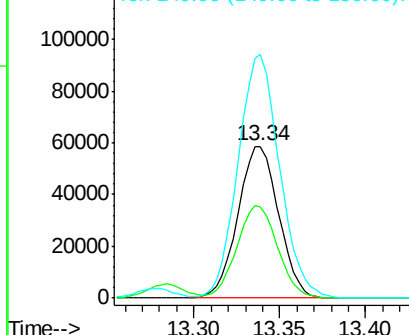
Lab File: VN060980.D

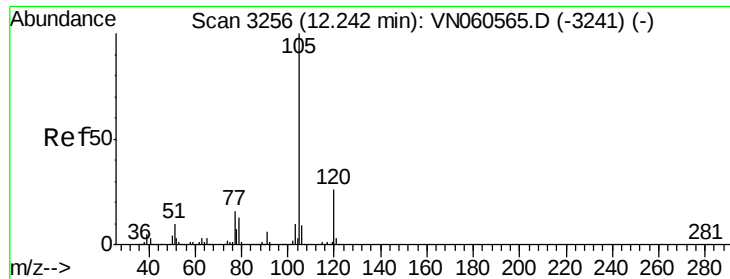
Acq: 15 Apr 2020 22:40

Tgt Ion:	152	Resp:	96700
Ion Ratio	Lower	Upper	
152	100		
115	60.8	30.2	90.6
150	163.9	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: 18.716 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 105 Resp: 135820

Ion Ratio Lower Upper

105 100

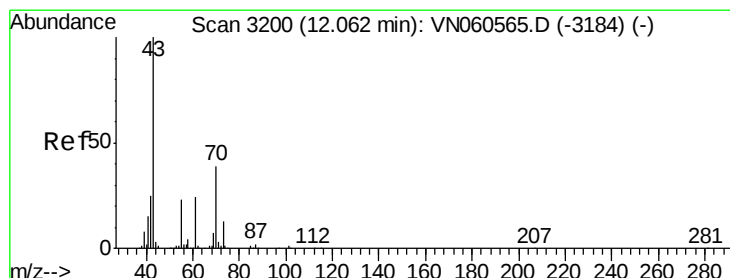
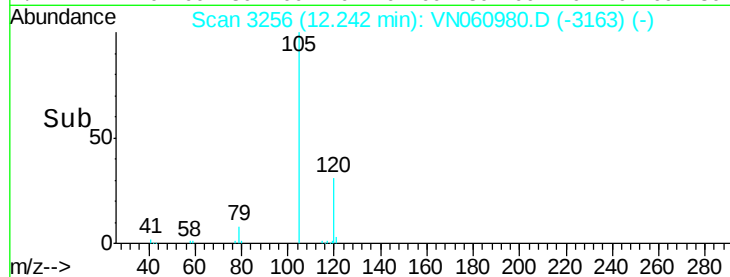
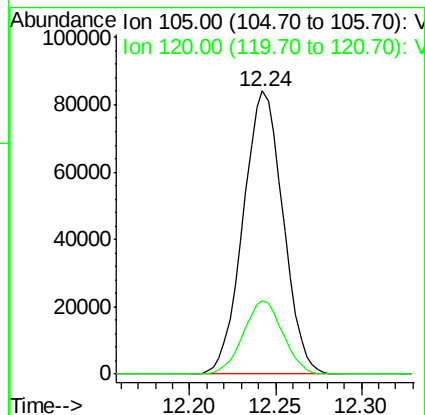
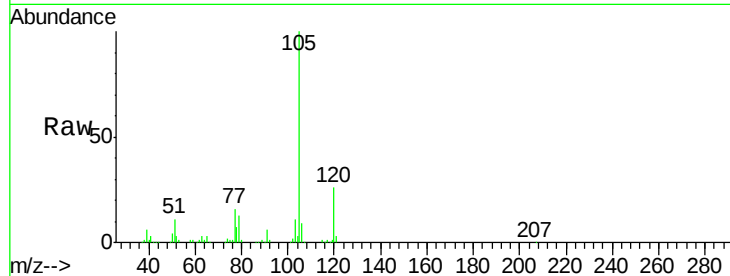
120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 19.356 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion: 43 Resp: 64906

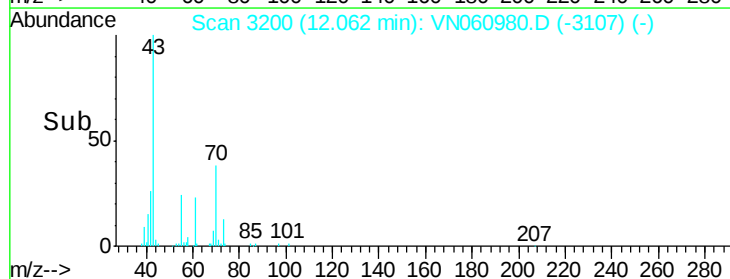
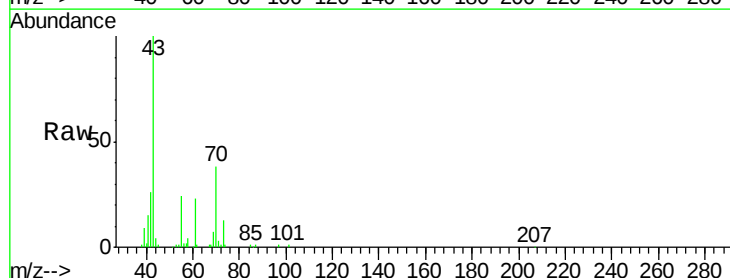
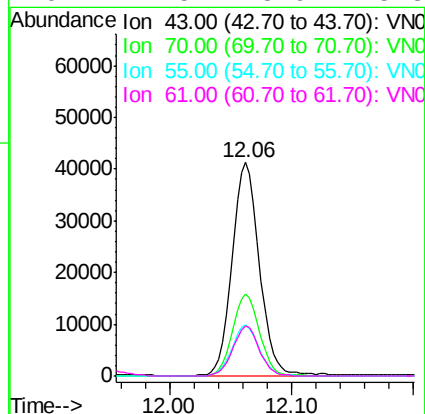
Ion Ratio Lower Upper

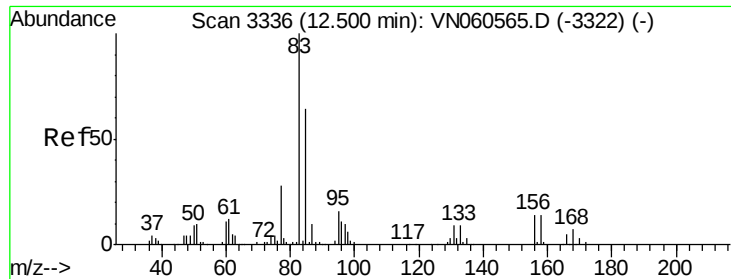
43 100

70 37.7 31.1 46.7

55 23.5 18.6 27.8

61 22.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.521 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

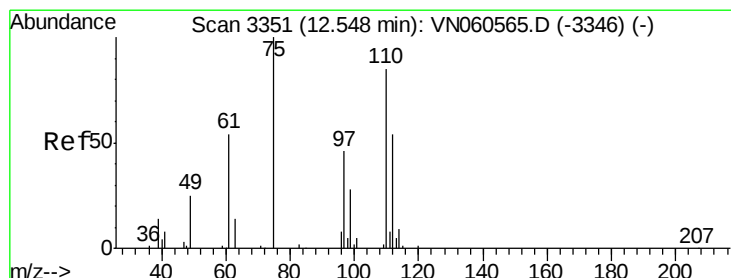
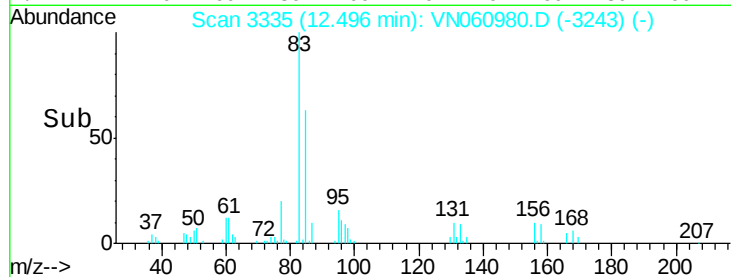
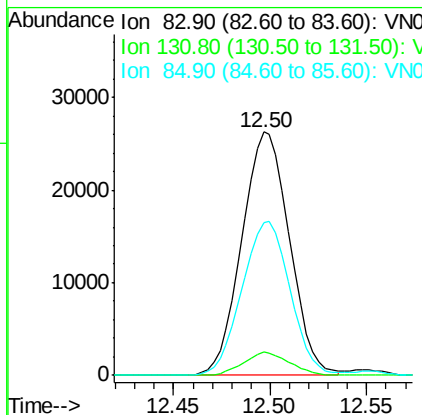
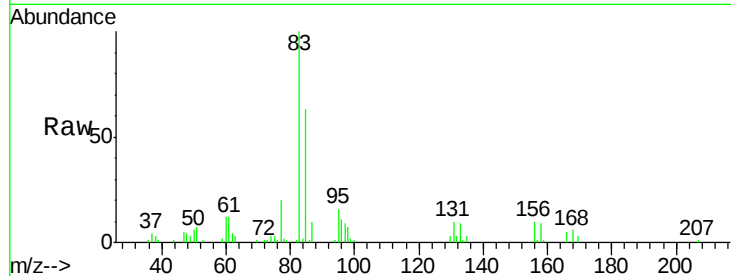
ClientSampleId :

VN0415WBS02

Tot Ion:	83	Resp:	45034
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.9	14.7
85	63.9	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 18.691 ug/l m

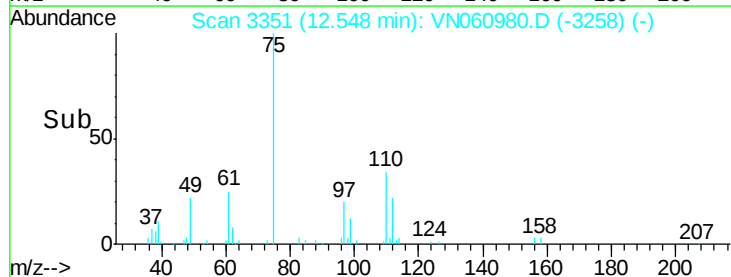
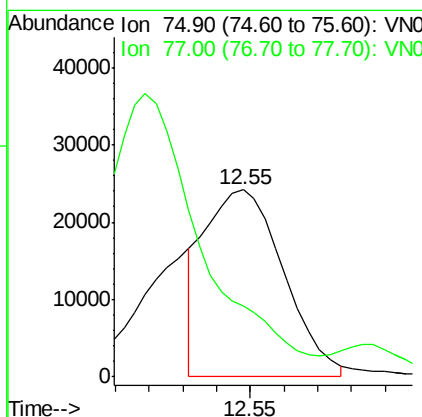
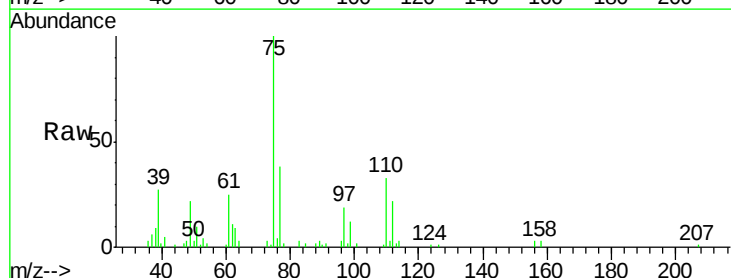
RT: 12.55 min Scan# 3351

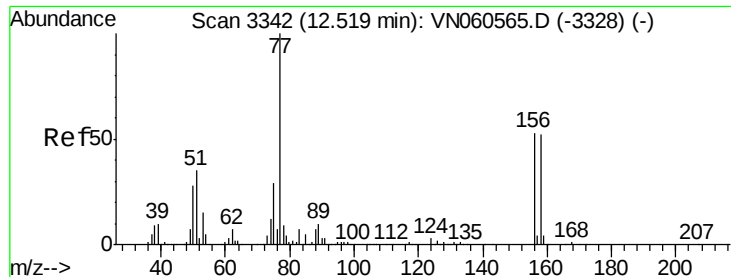
Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	75	Resp:	39000
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





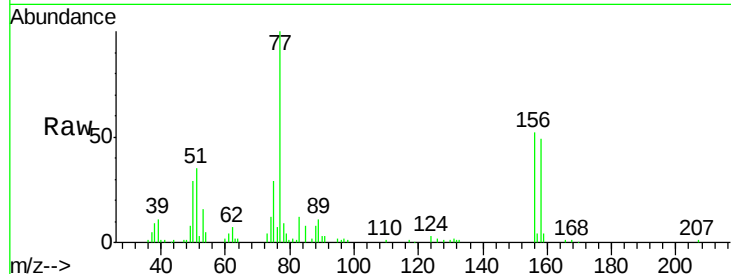
#77
Bromobenzene
Concen: 18.316 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

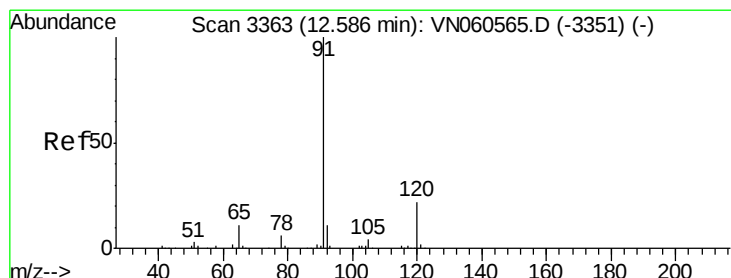
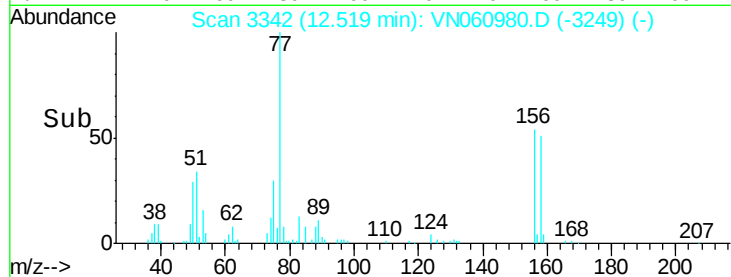
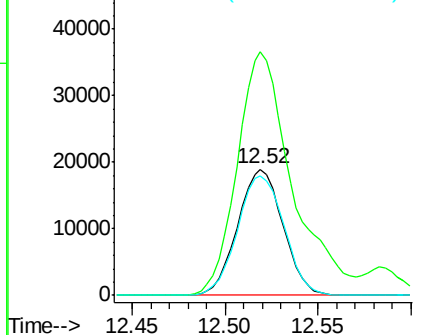
Tot Ion	Ratio	Lower	Upper
156	100		
77	235.8	112.3	337.0
158	97.7	48.6	145.8

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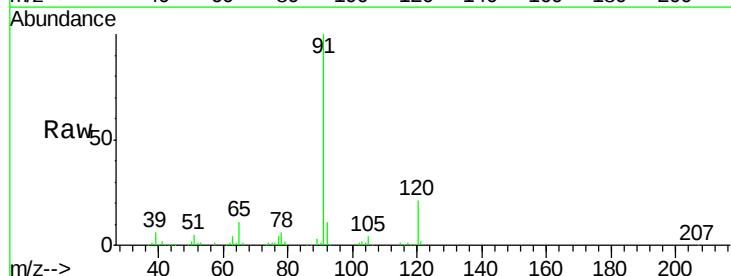


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

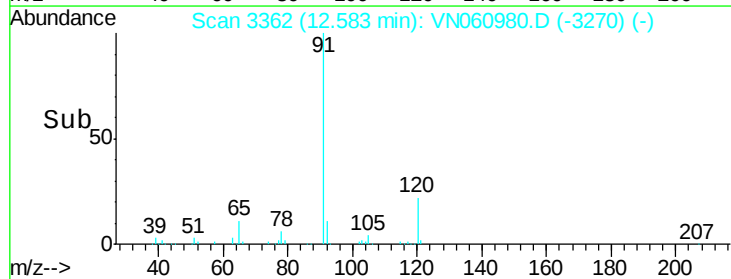
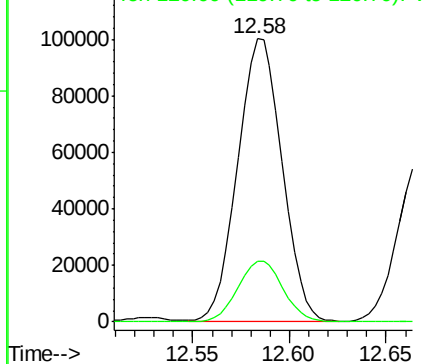


#78
n-propylbenzene
Concen: 18.621 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.3	33.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.598 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

ClientSampleId :

VN0415WBS02

Tot Ion: 91 Resp: 95271

Ion Ratio Lower Upper

91 100

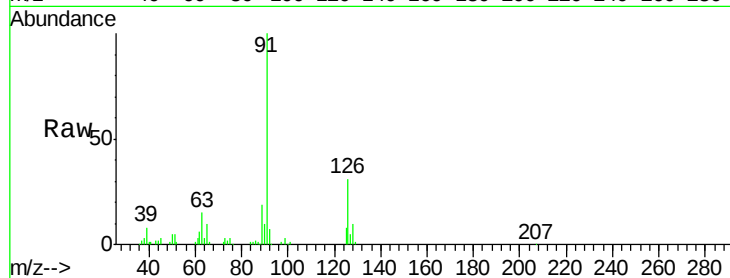
126 31.5 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN060980.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060980.D (-3296) (-)

80000

60000

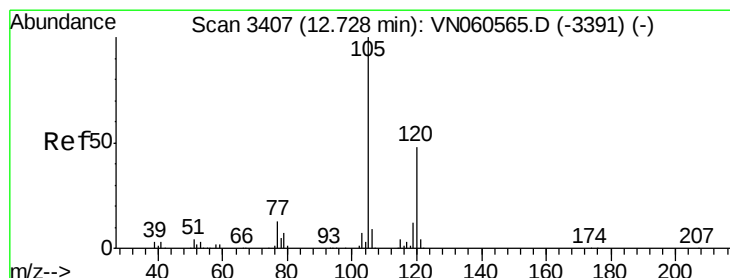
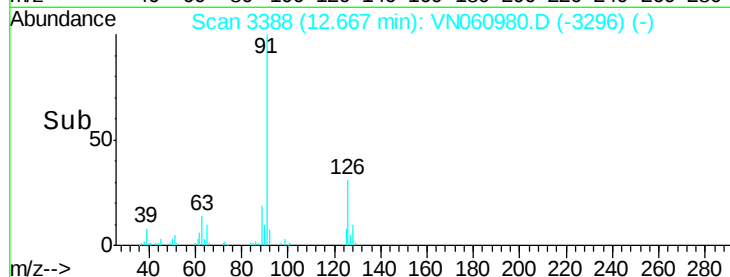
40000

20000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.495 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060980.D

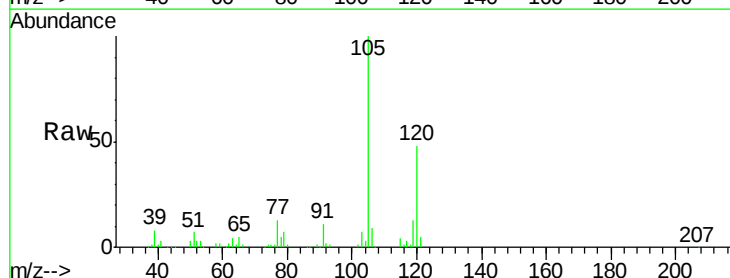
Acq: 15 Apr 2020 22:40

Tgt Ion:105 Resp: 113899

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060980.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060980.D (-3314) (-)

80000

60000

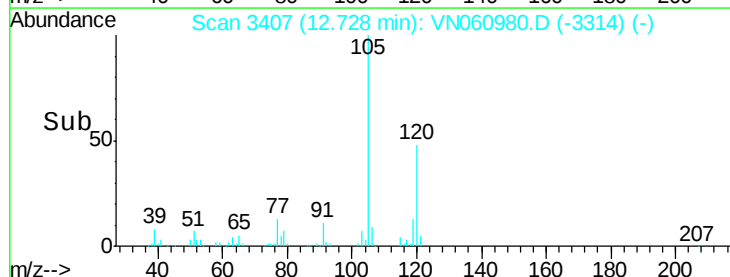
40000

20000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.786 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Instrument :

MSVOA_N

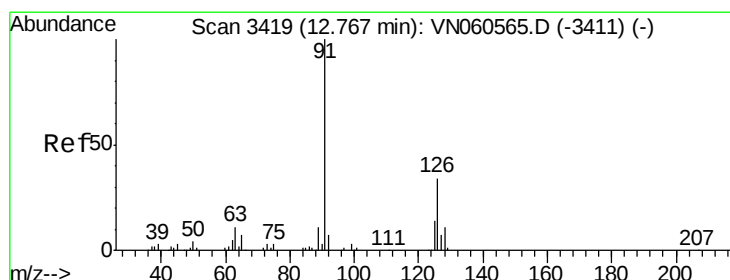
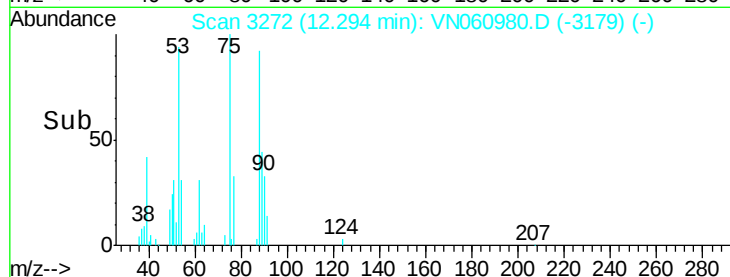
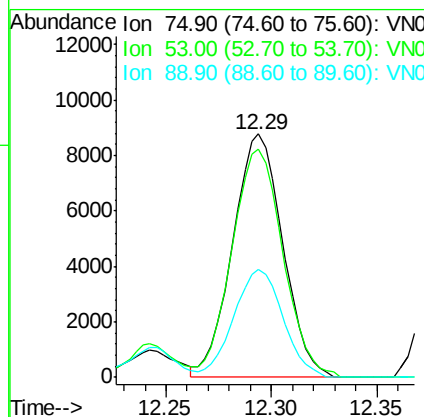
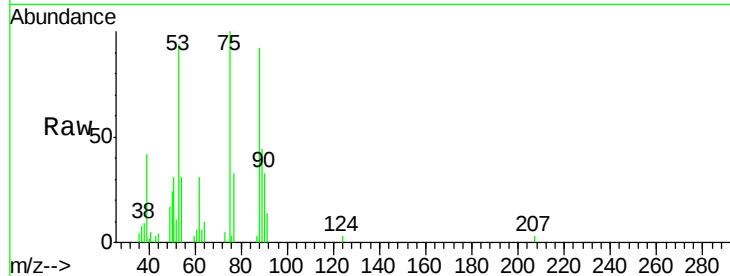
ClientSampleId :

VN0415WBS02

Tot Ion:	75	Resp:	14450
Ion	Ratio	Lower	Upper
75	100		
53	96.0	73.0	109.4
89	43.7	34.8	52.2

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#82

4-Chlorotoluene

Concen: 18.825 ug/l

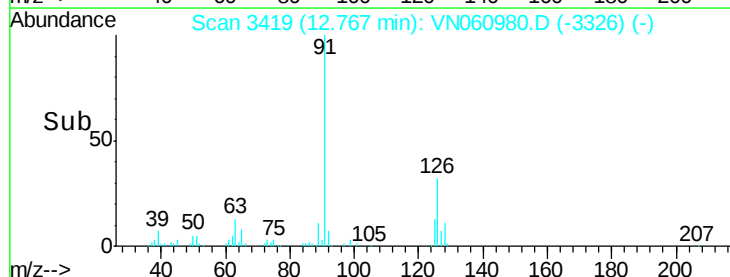
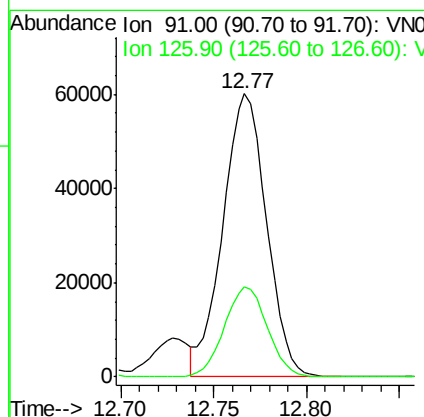
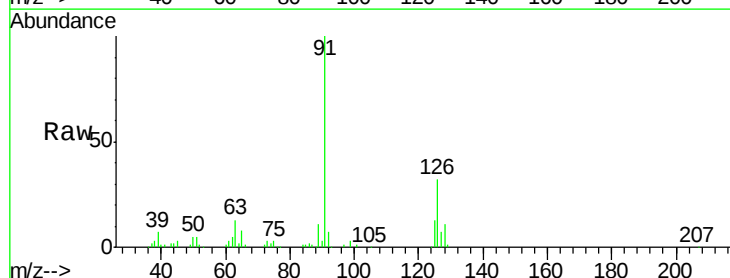
RT: 12.77 min Scan# 3419

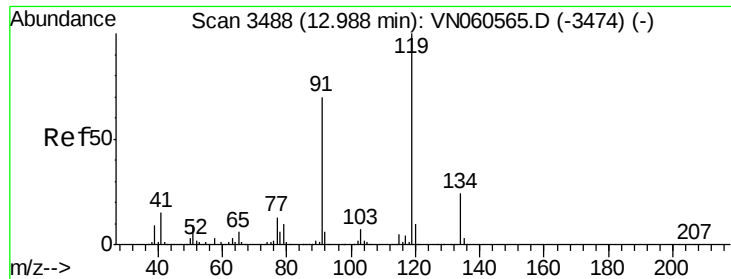
Delta R.T. -0.00 min

Lab File: VN060980.D

Acq: 15 Apr 2020 22:40

Tgt Ion:	91	Resp:	98218
Ion	Ratio	Lower	Upper
91	100		
126	31.3	16.2	48.5





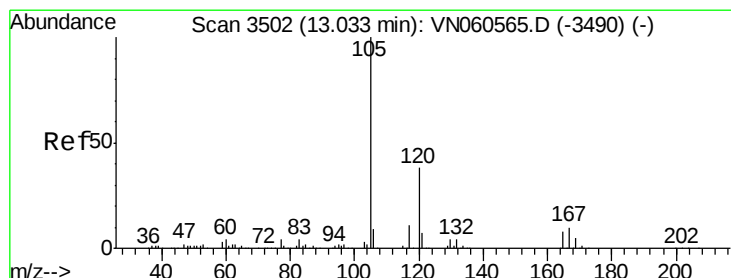
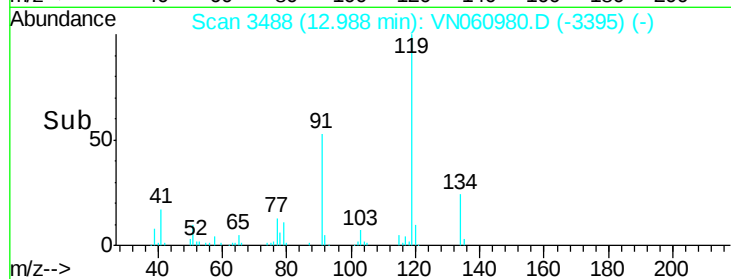
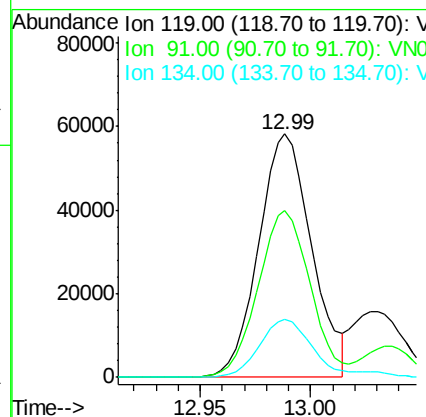
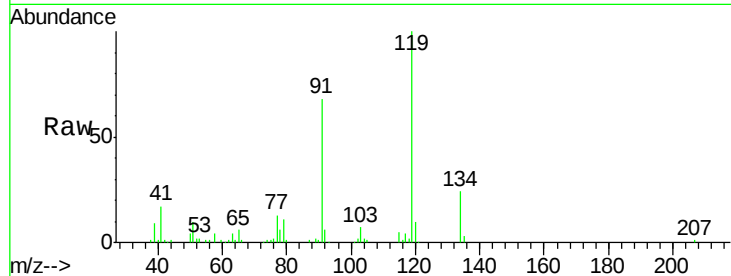
#83
 tert-Butylbenzene
 Concen: 19.028 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.0	101.8
134	24.8	12.7	38.0

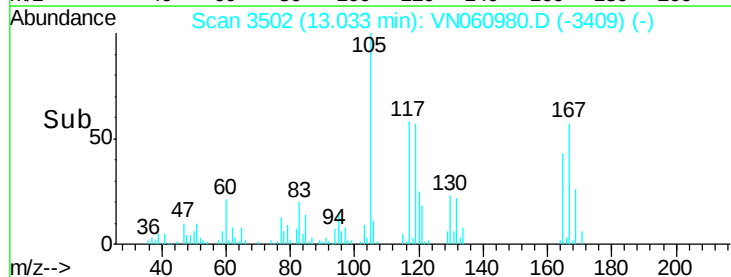
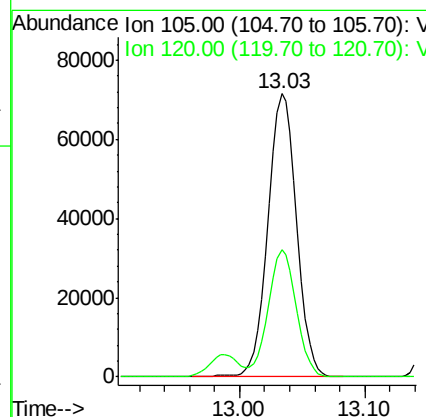
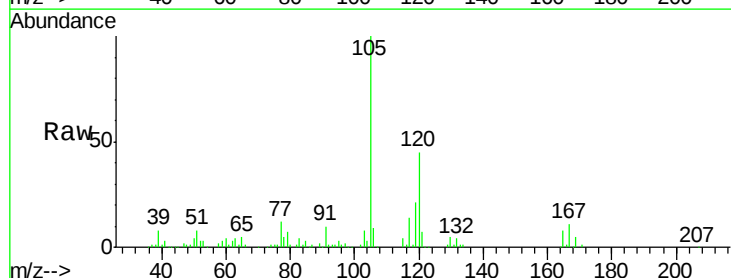
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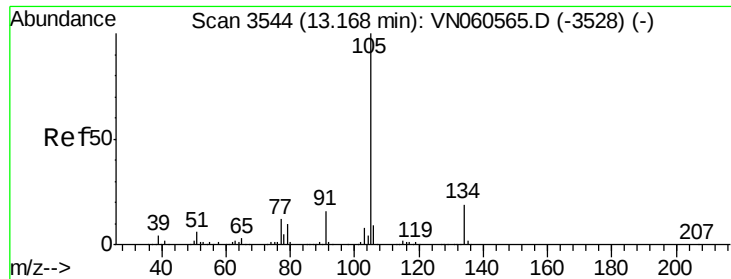
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.644 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.1	66.5





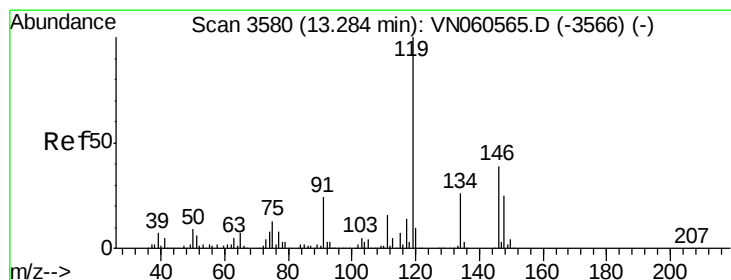
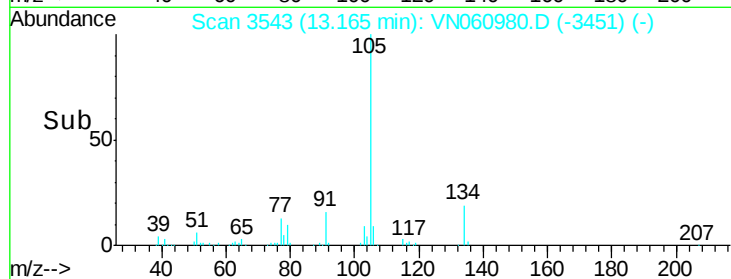
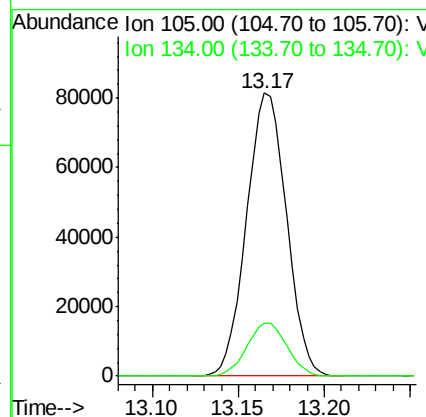
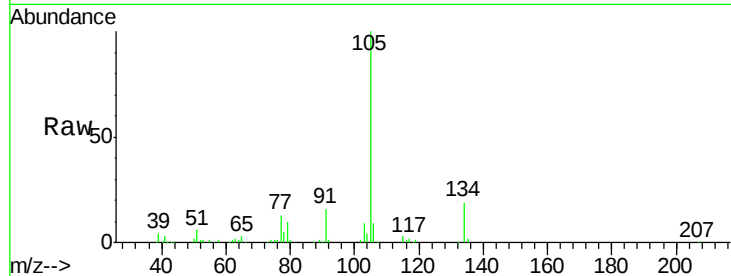
#85
 sec-Butylbenzene
 Concen: 19.113 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	9.6	28.8

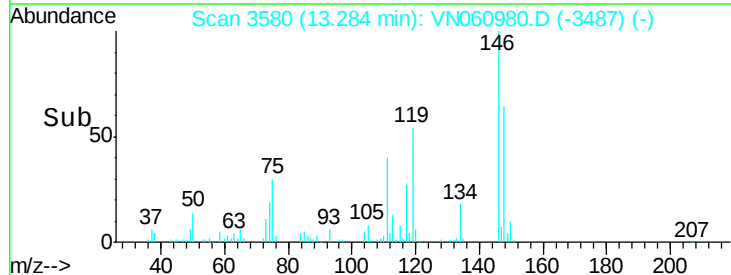
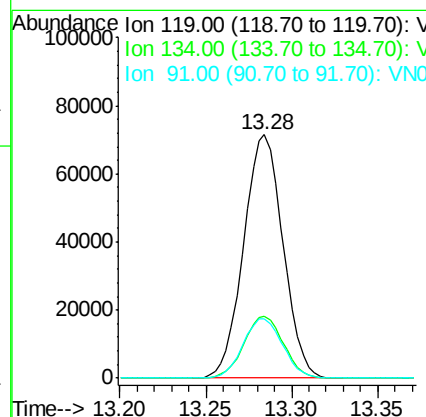
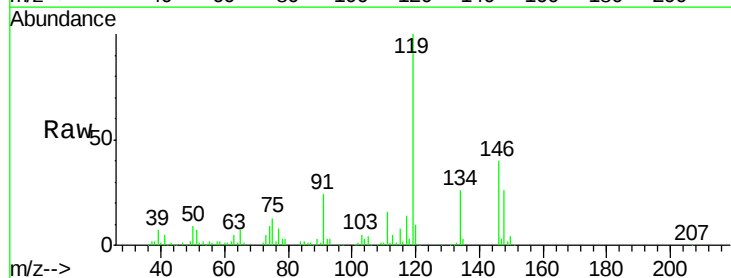
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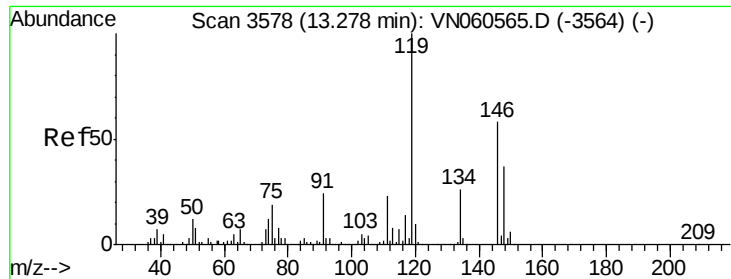
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#86
 p-Isopropyltoluene
 Concen: 18.376 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.6	13.0	39.0
91	24.6	12.0	36.0





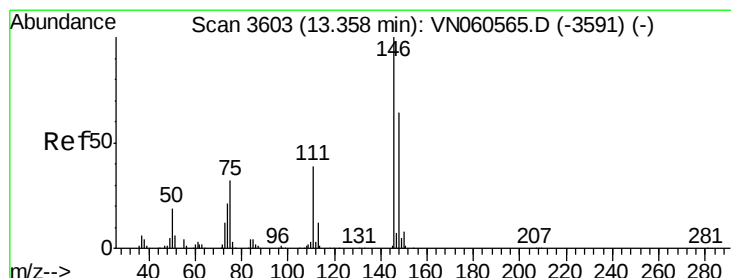
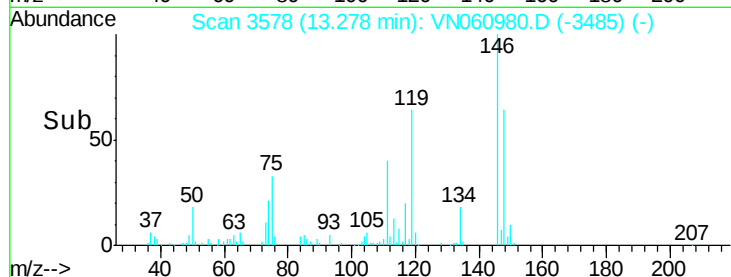
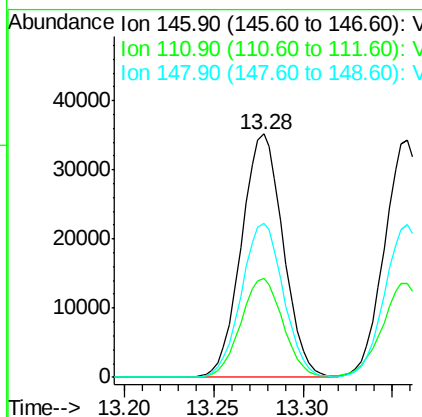
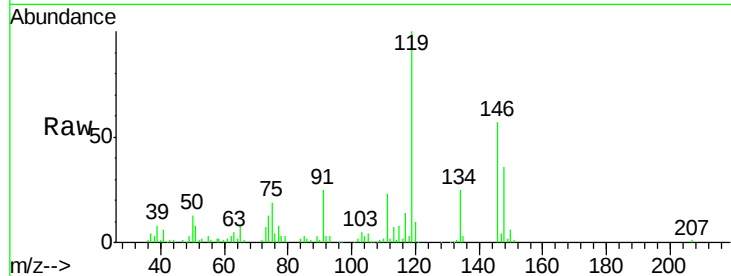
#87
 1,3-Dichlorobenzene
 Concen: 18.737 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.4	32.5	97.4

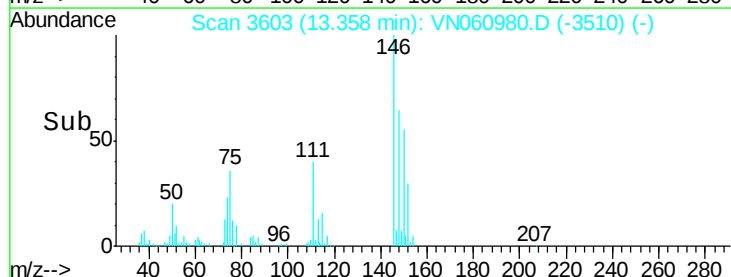
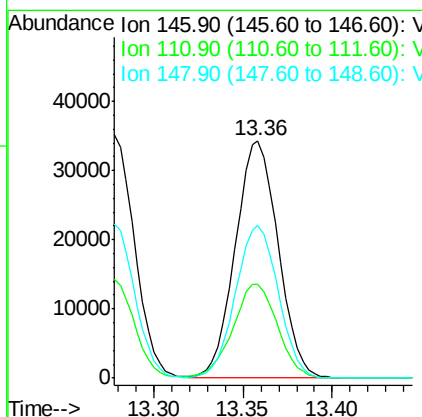
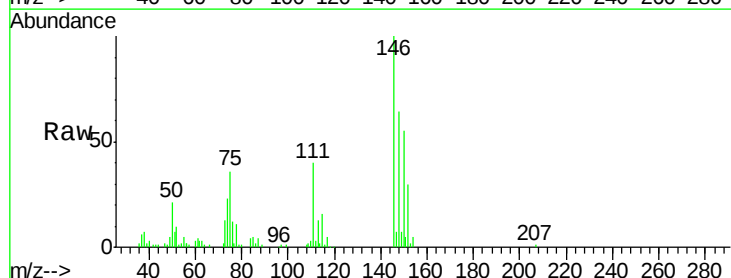
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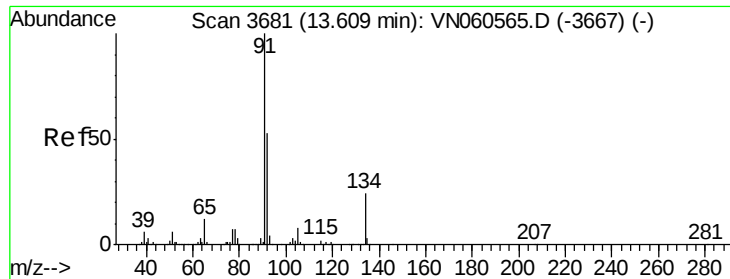
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#88
 1,4-Dichlorobenzene
 Concen: 18.533 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.6	58.7
148	64.2	32.1	96.3





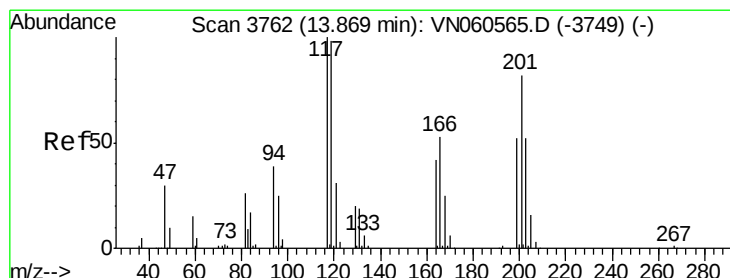
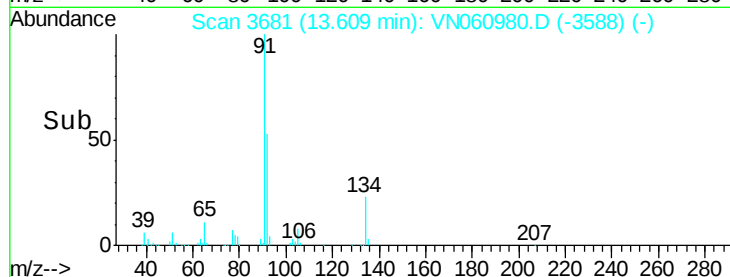
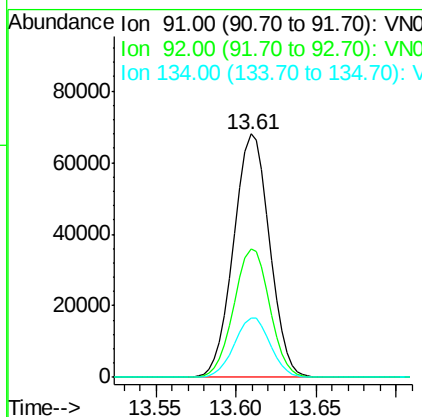
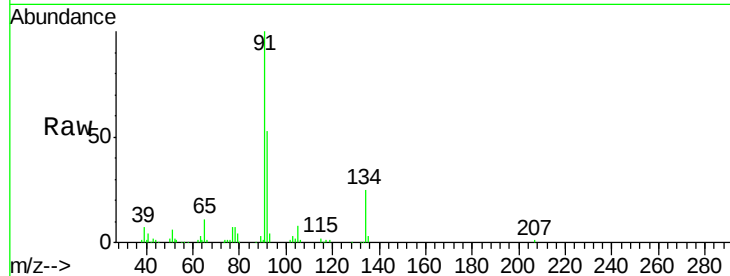
#89
n-Butylbenzene
Concen: 18.667 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	24.4	12.3	36.9

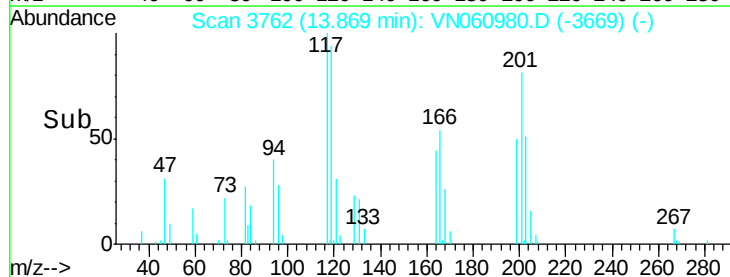
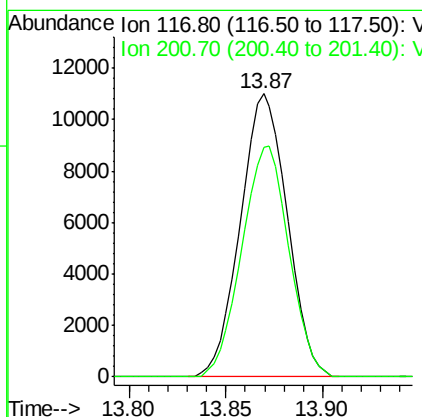
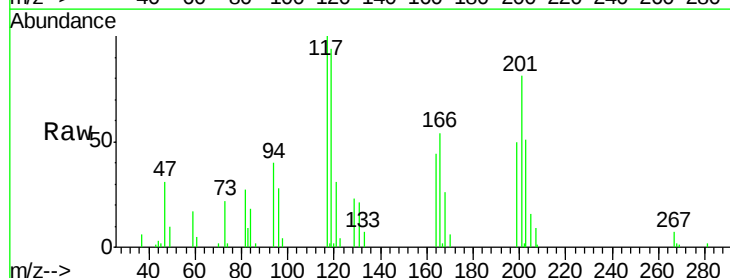
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#90
Hexachloroethane
Concen: 20.691 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.8	40.8	122.5





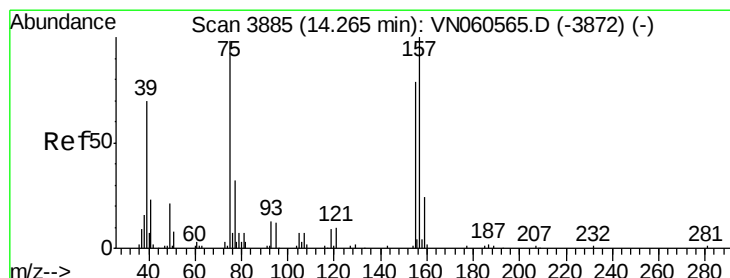
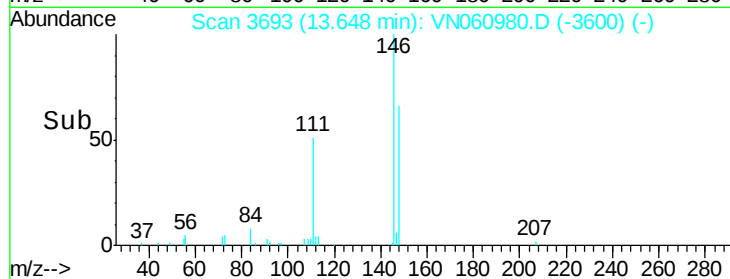
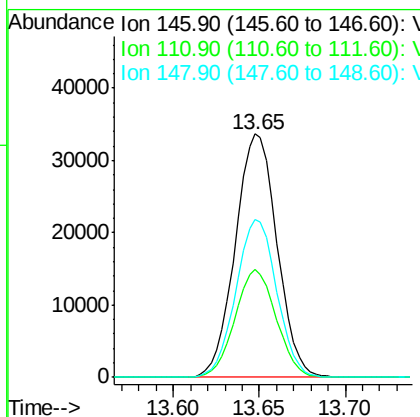
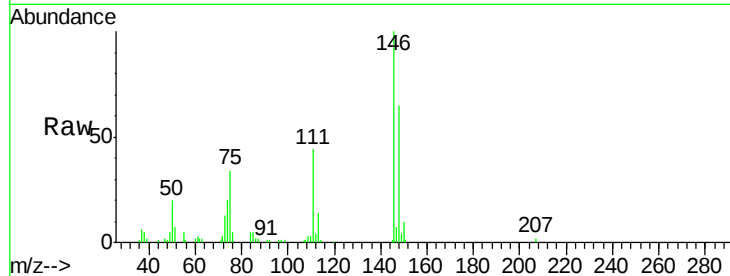
#91
 1,2-Dichlorobenzene
 Concen: 19.181 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.0	63.0
148	63.4	31.9	95.5

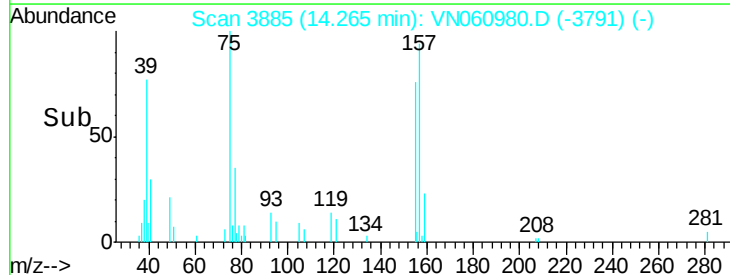
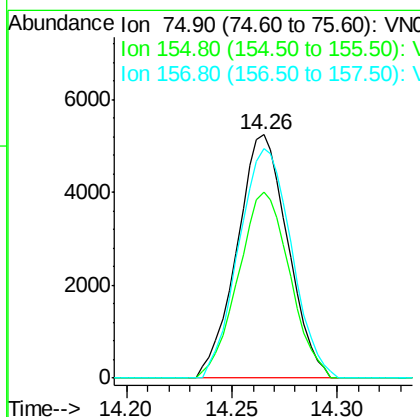
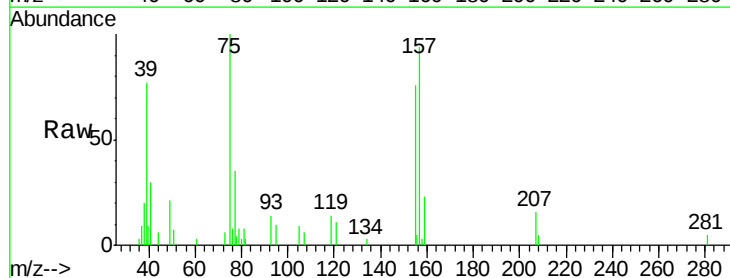
Manual Integrations
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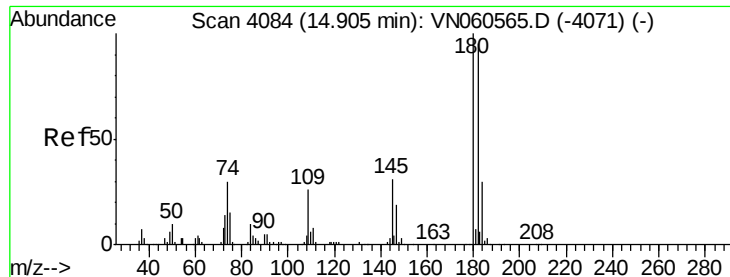
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.908 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	40.7	122.1
157	97.8	51.5	154.7





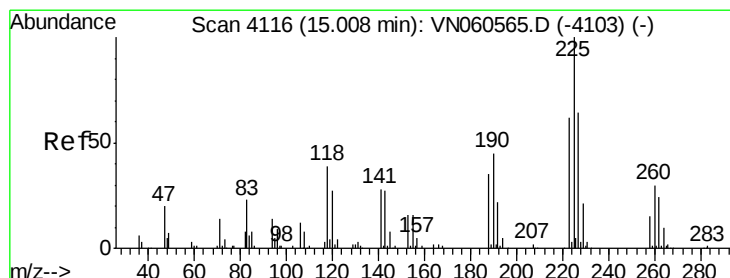
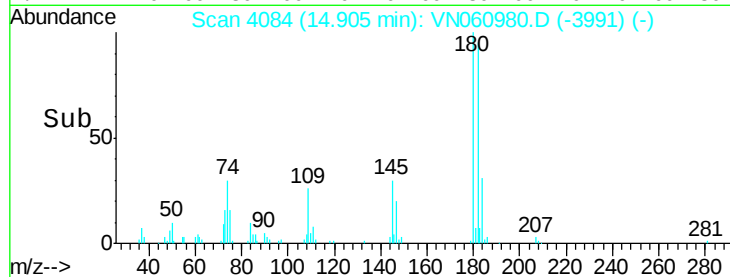
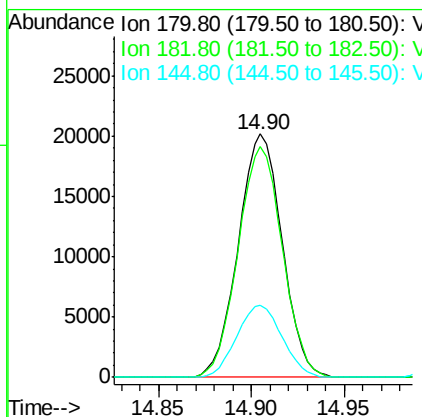
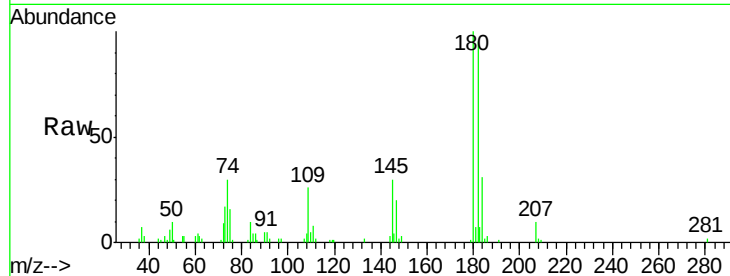
#93
 1,2,4-Trichlorobenzene
 Concen: 18.365 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.8
145	30.7	15.4	46.2

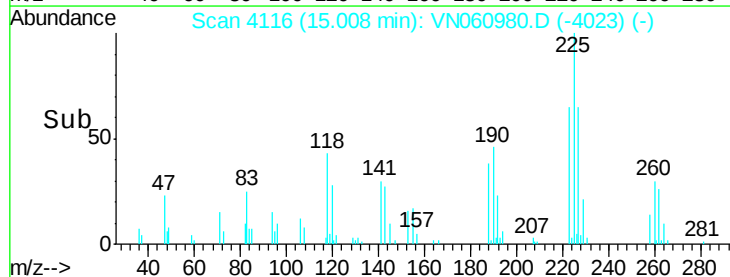
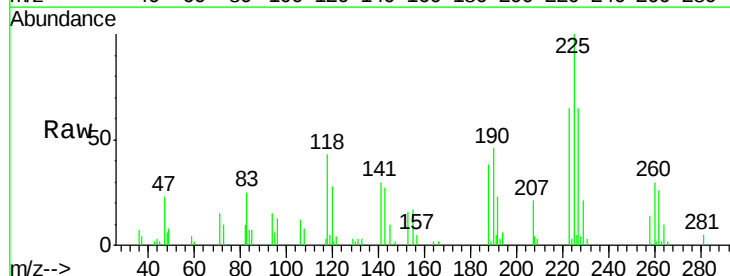
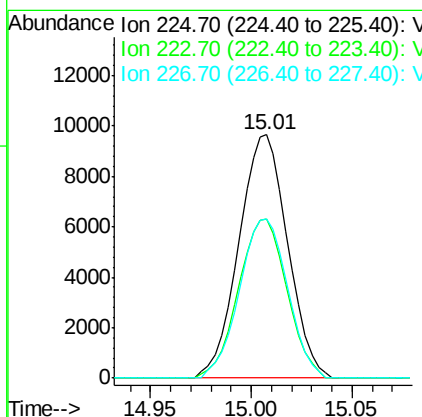
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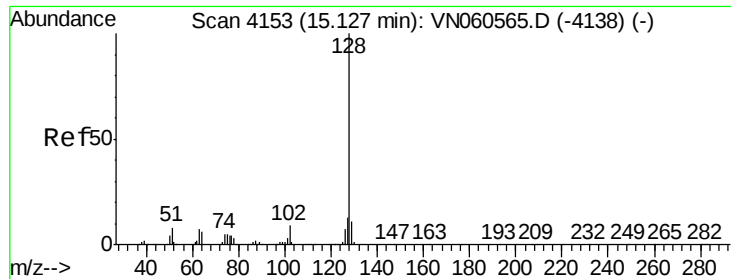
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#94
 Hexachlorobutadiene
 Concen: 18.357 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060980.D
 Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.6	95.0
227	64.6	32.3	96.8





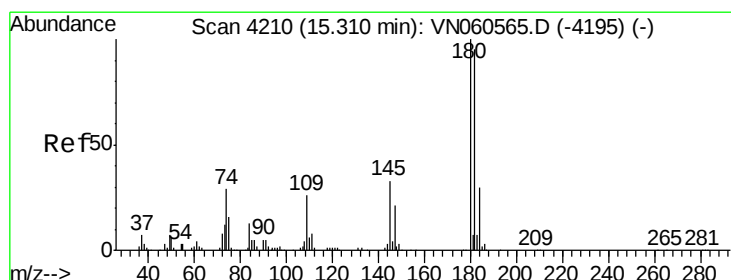
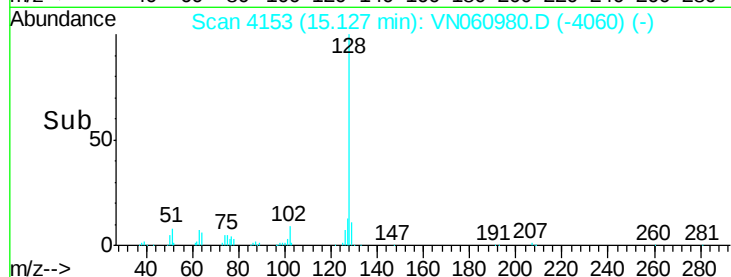
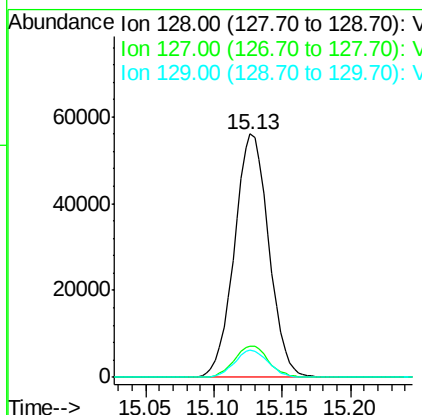
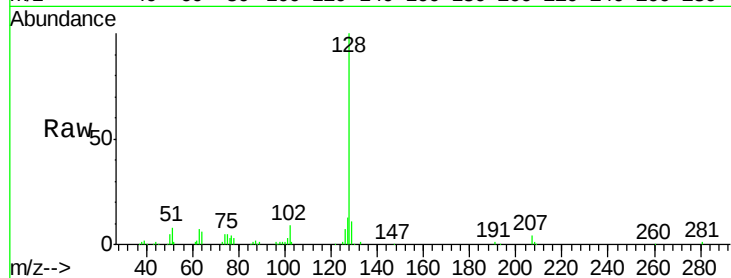
#95
Naphthalene
Concen: 17.991 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Instrument :
MSVOA_N
ClientSampleId :
VN0415WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2020 11:15:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.245 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060980.D
Acq: 15 Apr 2020 22:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.6
145	32.8	16.3	48.8

