

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061153.D
 Acq On : 27 Apr 2020 17:12
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 8:14:39 PM

Quant Time: Apr 28 02:06:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	114773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	203037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	194558	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	95782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	87592	55.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.28%	
35) Dibromofluoromethane	7.55	113	58145	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.06	98	237606	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.38	95	89209	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	65262	59.774	ug/l	100
3) Chloromethane	2.03	50	75488	56.709	ug/l	100
4) Vinyl Chloride	2.16	62	87049	54.394	ug/l	100
5) Bromomethane	2.53	94	42002	53.968	ug/l	100
6) Chloroethane	2.67	64	54311	62.179	ug/l	100
7) Trichlorofluoromethane	2.98	101	95038	55.153	ug/l	100
8) Diethyl Ether	3.37	74	41349	52.456	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	60936	53.644	ug/l	100
10) Methyl Iodide	3.91	142	78816	48.971	ug/l	100
11) Tert butyl alcohol	4.73	59	59630	294.721	ug/l	100
12) 1,1-Dichloroethene	3.70	96	60888	52.495	ug/l	100
13) Acrolein	3.56	56	38807	257.626	ug/l	100
14) Allyl chloride	4.27	41	121424	64.639	ug/l	100
15) Acrylonitrile	4.93	53	192932	306.674	ug/l	100
16) Acetone	3.77	43	170866	225.808	ug/l	100
17) Carbon Disulfide	4.01	76	172515	50.415	ug/l	100
18) Methyl Acetate	4.27	43	108482	52.948	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	230692	55.728	ug/l	100
20) Methylene Chloride	4.50	84	71007	52.720	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	67514	48.852	ug/l	100
22) Diisopropyl ether	5.90	45	263446	60.435	ug/l	100
23) Vinyl Acetate	5.84	43	1086846	310.774	ug/l	100
24) 1,1-Dichloroethane	5.80	63	136855	57.528	ug/l	100
25) 2-Butanone	6.78	43	276770	319.206	ug/l	100
26) 2,2-Dichloropropane	6.77	77	108034	51.478	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	77649	50.495	ug/l	100
28) Bromochloromethane	7.15	49	60854	58.982	ug/l	100
29) Tetrahydrofuran	7.16	42	187342	314.049	ug/l	100
30) Chloroform	7.33	83	137784	57.301	ug/l	100
31) Cyclohexane	7.61	56	127438	53.389	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	121011	56.448	ug/l	100
36) 1,1-Dichloropropene	7.75	75	102693	51.577	ug/l	100
37) Ethyl Acetate	6.88	43	119459	58.406	ug/l	100
38) Carbon Tetrachloride	7.73	117	88092	50.939	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	116178	48.411	ug/l	100
40) Benzene	8.00	78	299897	50.954	ug/l	100
41) Methacrylonitrile	7.13	41	47408m	50.596	ug/l	
42) 1,2-Dichloroethane	8.08	62	115385	54.236	ug/l	100
43) Isopropyl Acetate	8.12	43	198400	57.282	ug/l	100
44) Trichloroethene	8.80	130	80490	47.568	ug/l	100
45) 1,2-Dichloropropane	9.08	63	80913	51.712	ug/l	100
46) Dibromomethane	9.17	93	51766	51.920	ug/l	100
47) Bromodichloromethane	9.37	83	108559	54.748	ug/l	100
48) Methyl methacrylate	9.17	41	91935	56.633	ug/l	100
49) 1,4-Dioxane	9.17	88	18632	784.429	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	606029	298.724	ug/l	100
52) Toluene	10.12	92	186993	50.840	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	122401	50.871	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	127573	51.109	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	72724	51.284	ug/l	100
56) Ethyl methacrylate	10.40	69	118948	54.768	ug/l	100
57) 1,3-Dichloropropane	10.68	76	131348	53.975	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	299828	267.606	ug/l	100
59) 2-Hexanone	10.72	43	446697	298.393	ug/l	100
60) Dibromochloromethane	10.87	129	77408	52.220	ug/l	100
61) 1,2-Dibromoethane	10.98	107	75372	51.673	ug/l	100
64) Tetrachloroethene	10.60	164	83036	42.812	ug/l	100
65) Chlorobenzene	11.41	112	191974	48.920	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	70103	50.378	ug/l	100
67) Ethyl Benzene	11.48	91	368319	50.205	ug/l	100
68) m/p-Xylenes	11.60	106	272102	99.606	ug/l	100
69) o-Xylene	11.92	106	129983	49.310	ug/l	100
70) Styrene	11.94	104	222486	51.931	ug/l	100
71) Bromoform	12.10	173	53311	51.085	ug/l #	100
73) Isopropylbenzene	12.22	105	353305	49.076	ug/l	100
74) N-amyl acetate	12.04	43	181296	54.914	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	108740	55.068	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	98811m	45.584	ug/l	
77) Bromobenzene	12.50	156	81044	46.660	ug/l	100
78) n-propylbenzene	12.56	91	424106	50.102	ug/l	100
79) 2-Chlorotoluene	12.65	91	244542	49.719	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	298048	49.183	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	39478	47.740	ug/l	100
82) 4-Chlorotoluene	12.75	91	258798	49.519	ug/l	100
83) tert-Butylbenzene	12.97	119	250742	49.330	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	303187	50.077	ug/l	100
85) sec-Butylbenzene	13.15	105	344351	49.905	ug/l	100
86) p-Isopropyltoluene	13.26	119	309599	49.493	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	150666	48.576	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	150166	47.791	ug/l	100
89) n-Butylbenzene	13.59	91	286411	50.156	ug/l	100
90) Hexachloroethane	13.85	117	27607	54.685	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	143812	49.746	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	24287	56.563	ug/l	100

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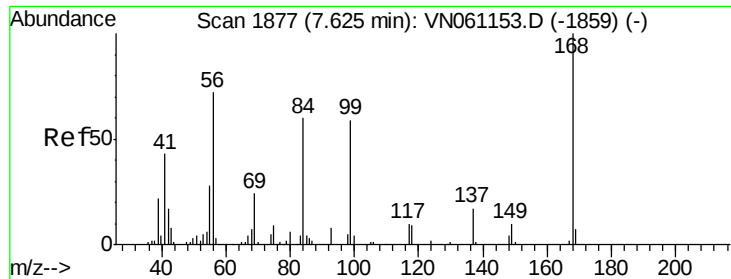
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	89369	46.619	ug/l	100
94) Hexachlorobutadiene	14.98	225	37036	44.599	ug/l	100
95) Naphthalene	15.10	128	295636	49.556	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	87055	47.163	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 114773

Ion Ratio Lower Upper

168 100

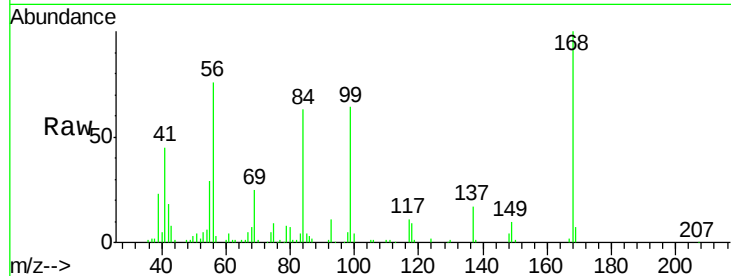
99 64.0 51.2 76.8

Manual Integrations

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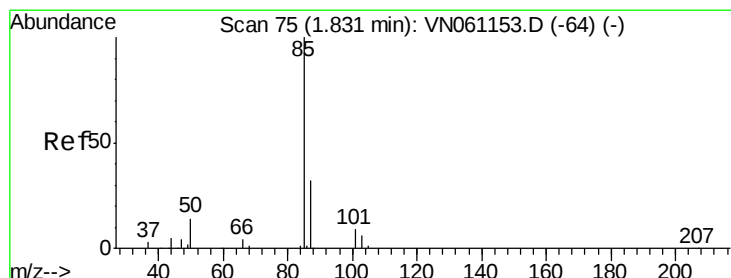
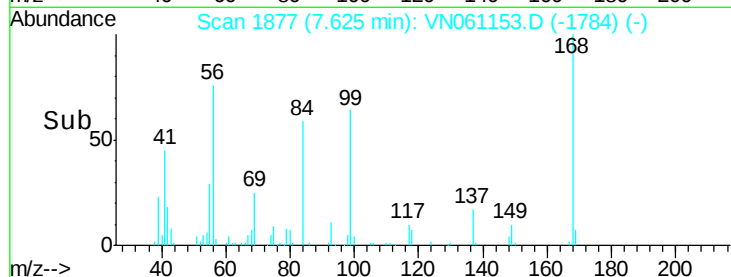
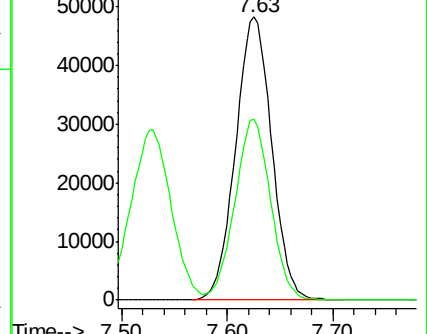
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 59.774 ug/l

RT: 1.83 min Scan# 75

Delta R.T. 0.00 min

Lab File: VN061153.D

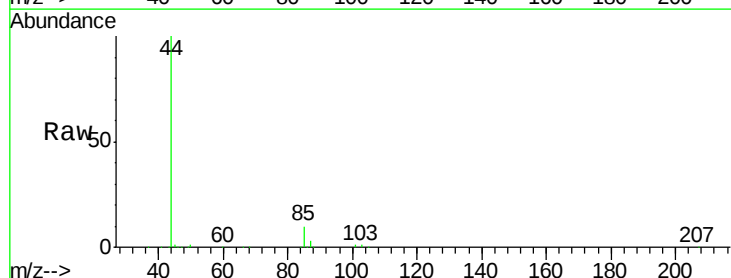
Acq: 27 Apr 2020 17:12

Tgt Ion: 85 Resp: 65262

Ion Ratio Lower Upper

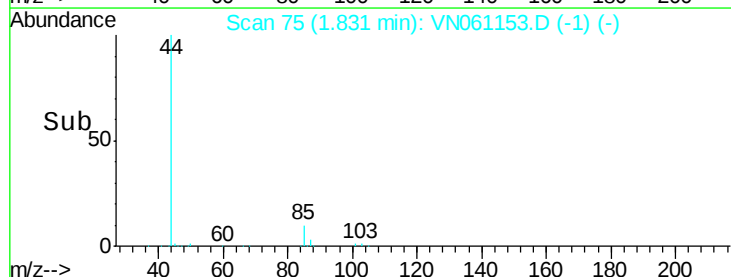
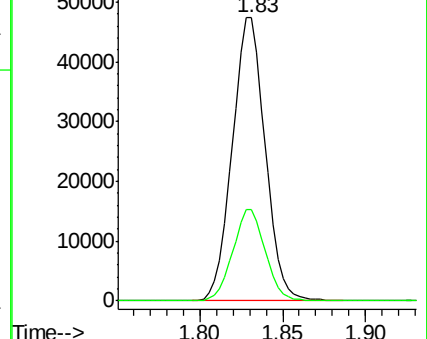
85 100

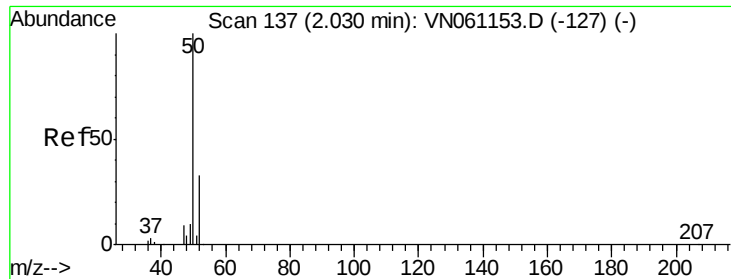
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 56.709 ug/l

RT: 2.03 min Scan# 137

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 75488

Ion Ratio Lower Upper

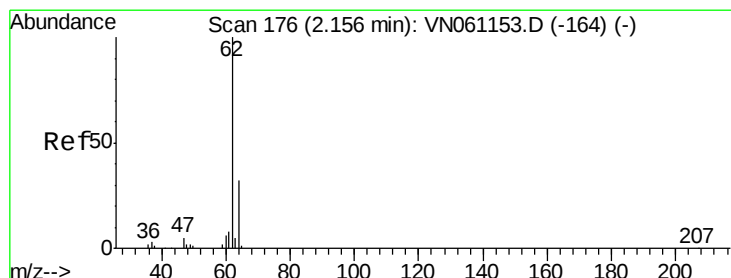
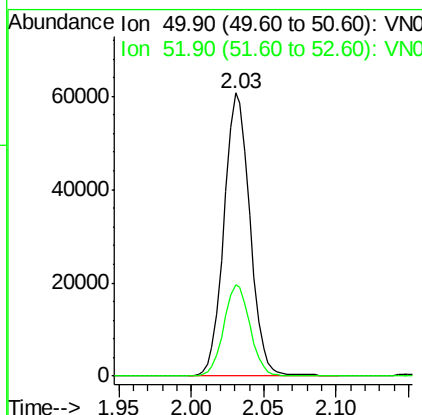
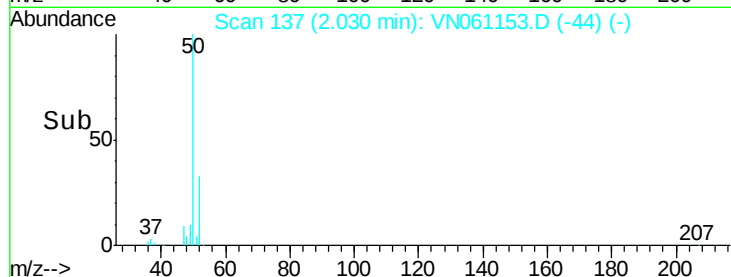
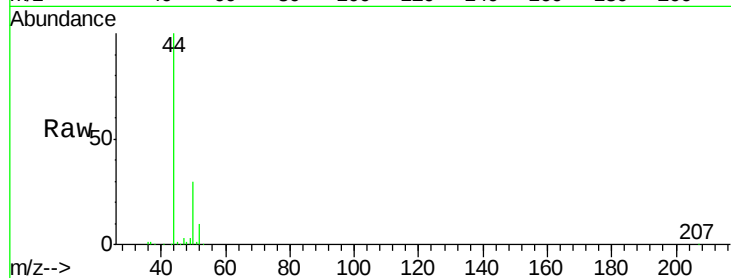
50 100

52 32.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 54.394 ug/l

RT: 2.16 min Scan# 176

Delta R.T. 0.00 min

Lab File: VN061153.D

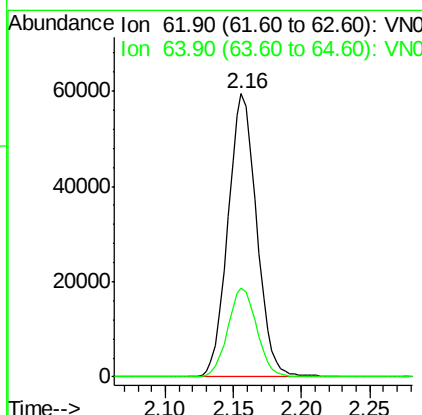
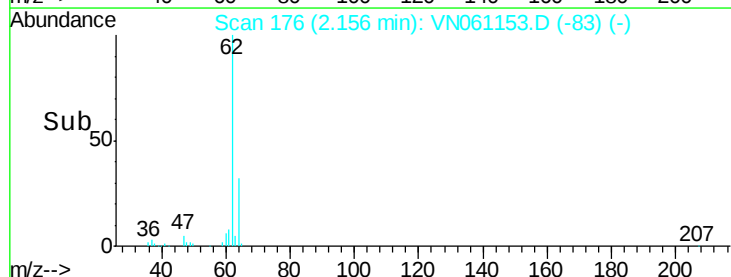
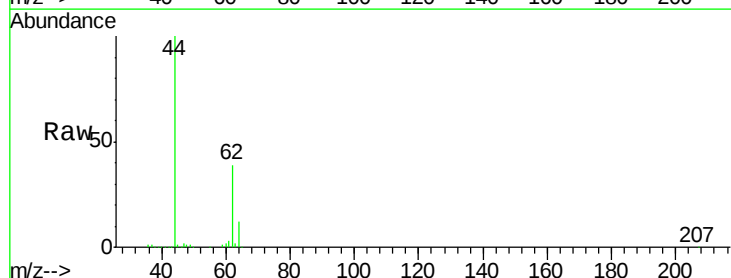
Acq: 27 Apr 2020 17:12

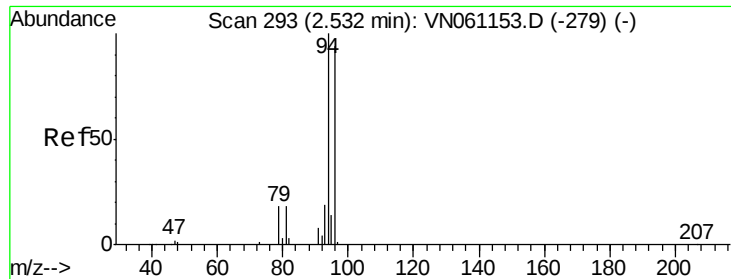
Tgt Ion: 62 Resp: 87049

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 53.968 ug/l

RT: 2.53 min Scan# 293

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 42002

Ion Ratio Lower Upper

94 100

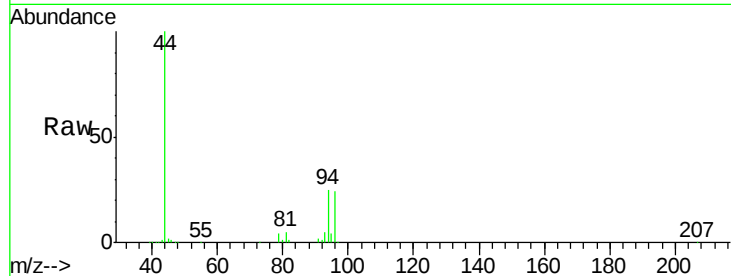
96 93.9 75.1 112.7

Manual Integrations

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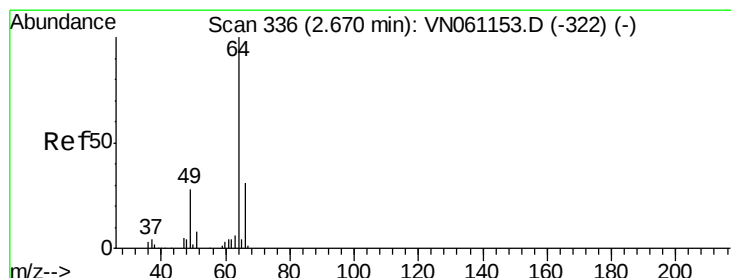
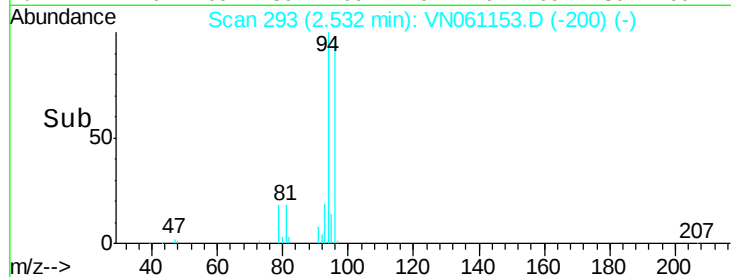
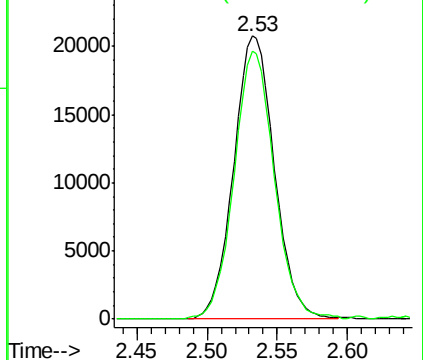
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 62.179 ug/l

RT: 2.67 min Scan# 336

Delta R.T. 0.00 min

Lab File: VN061153.D

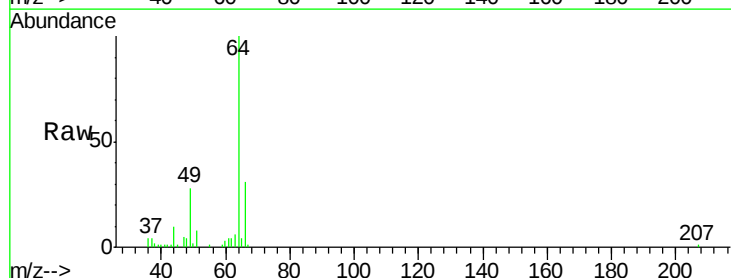
Acq: 27 Apr 2020 17:12

Tgt Ion: 64 Resp: 54311

Ion Ratio Lower Upper

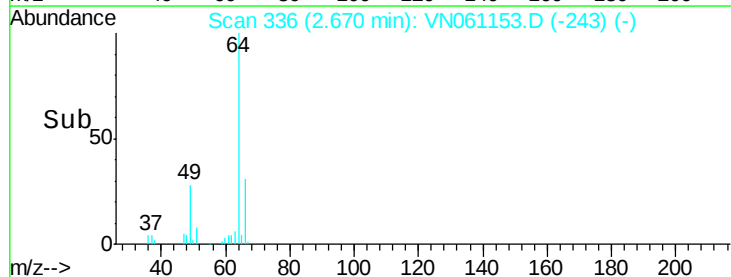
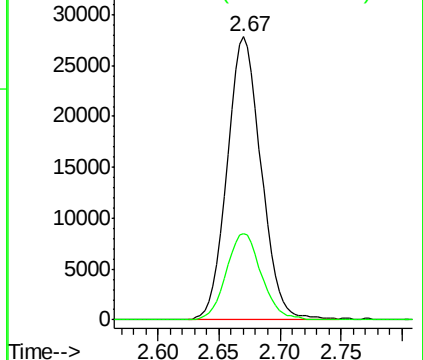
64 100

66 30.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

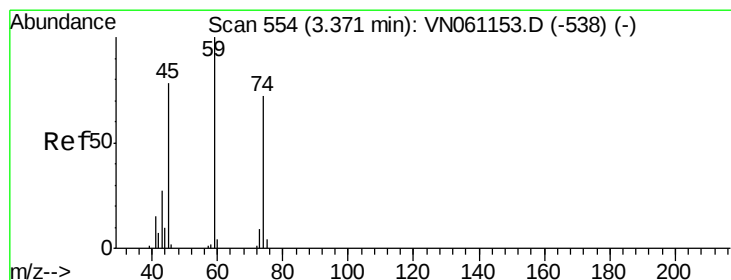
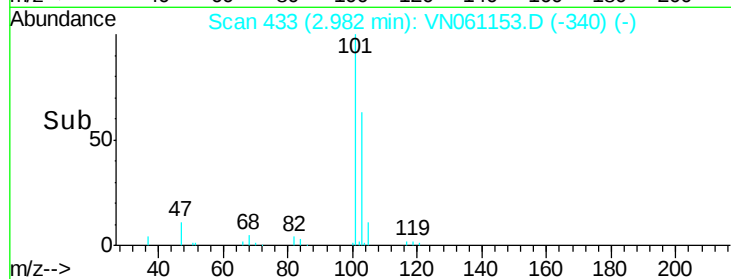
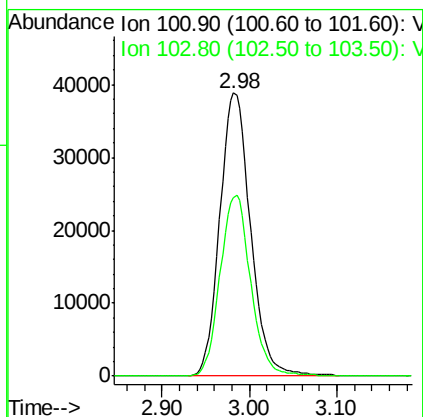
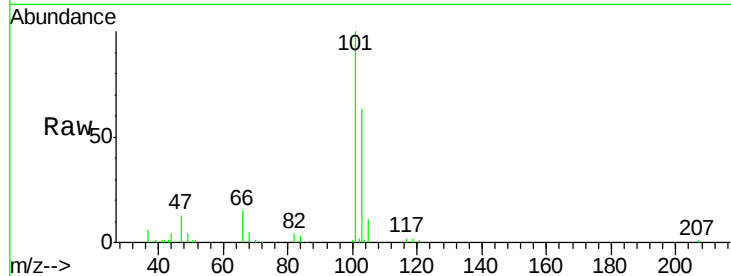
Trichlorofluoromethane
Concen: 55.153 ug/l
RT: 2.98 min Scan# 433
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		95038		
103	63.3	50.6	76.0		

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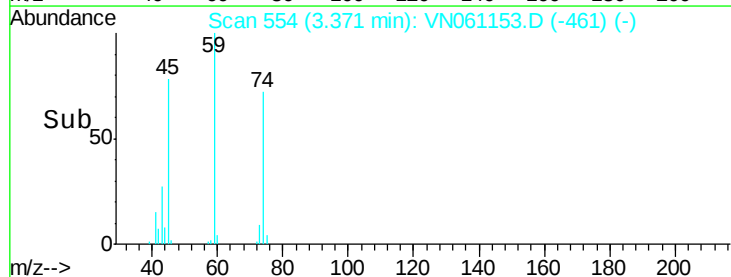
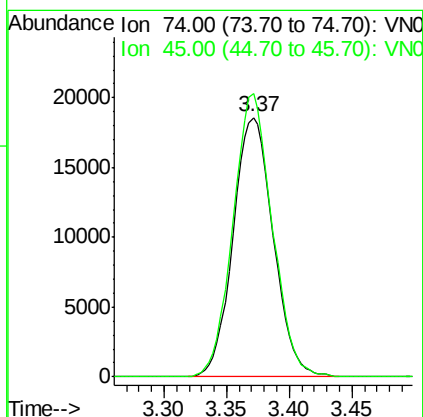
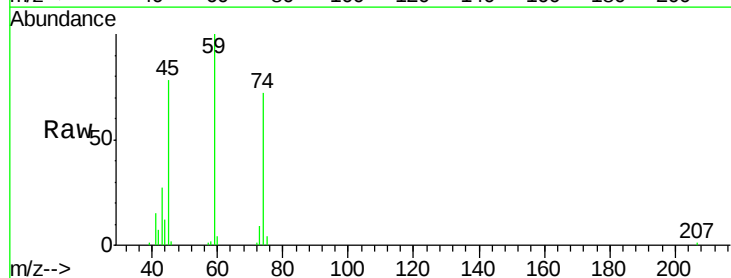
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#8

Diethyl Ether
Concen: 52.456 ug/l
RT: 3.37 min Scan# 554
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		41349		
45	106.7	53.3	160.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.644 ug/l

RT: 3.72 min Scan# 661

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

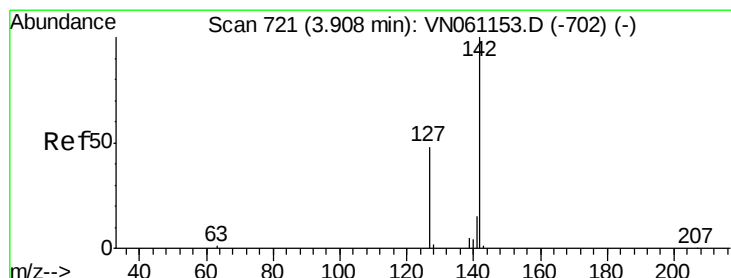
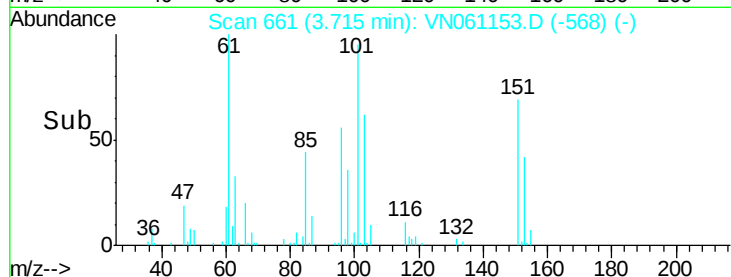
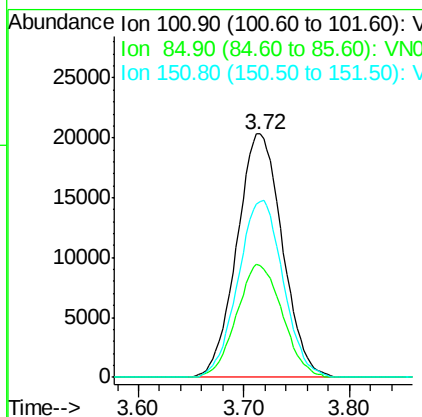
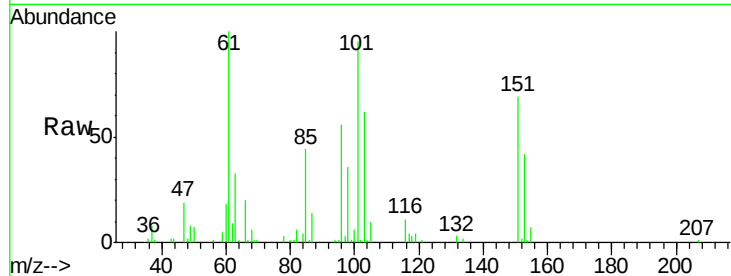
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	60936
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.2	55.8
151	72.1	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 48.971 ug/l

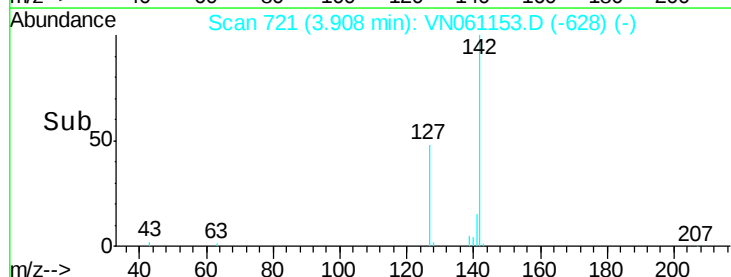
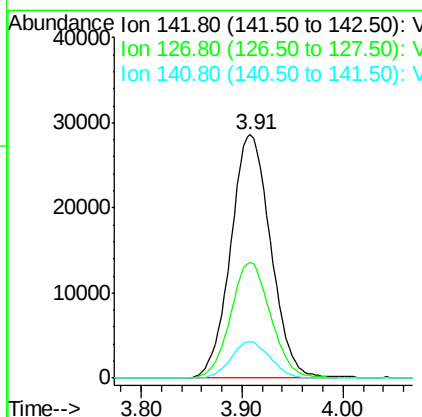
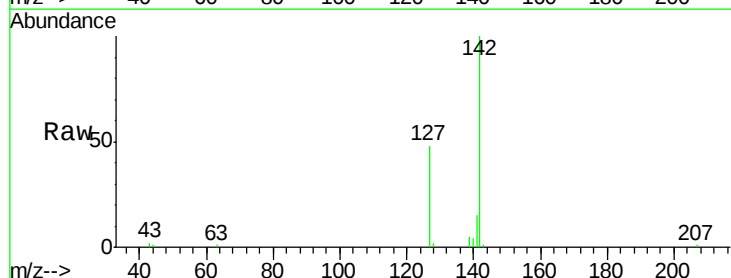
RT: 3.91 min Scan# 721

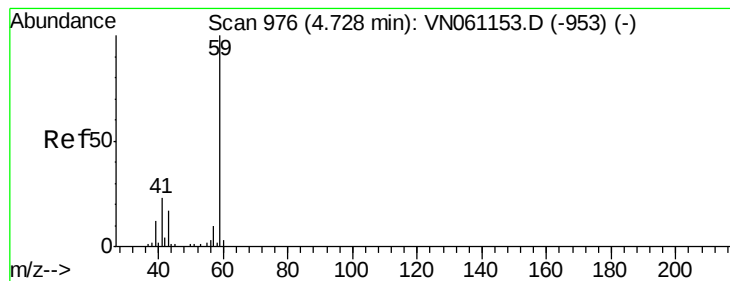
Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Tgt Ion:	142	Resp:	78816
Ion Ratio	Lower	Upper	
142	100		
127	47.5	38.0	57.0
141	14.6	11.7	17.5





#11

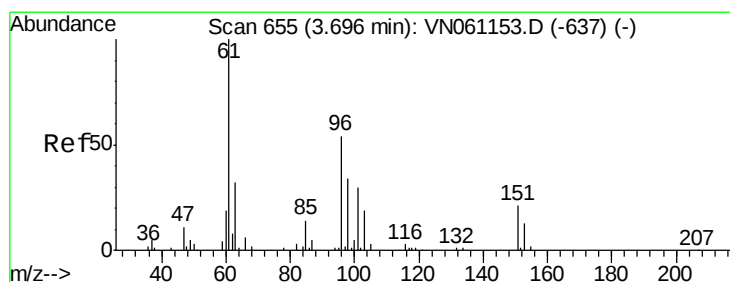
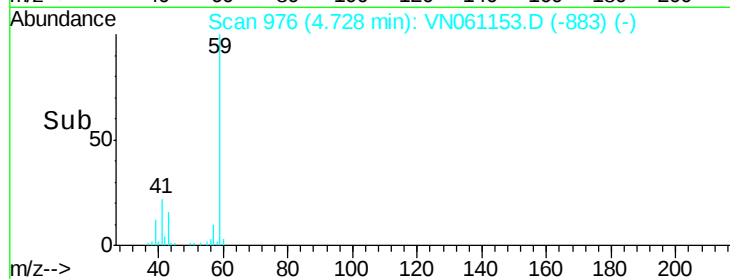
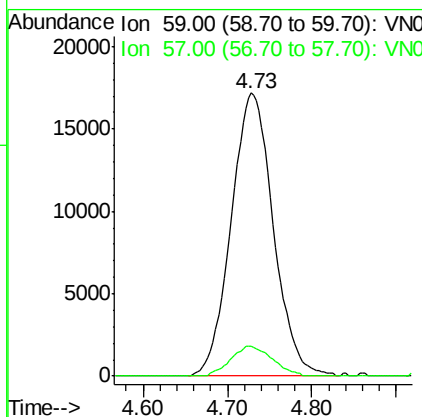
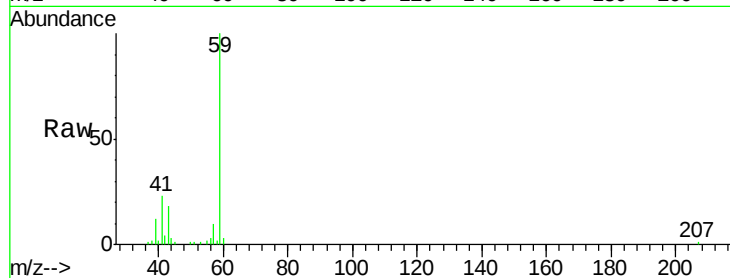
Tert butyl alcohol
 Concen: 294.721 ug/l
 RT: 4.73 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.3	12.5

Manual Integrations
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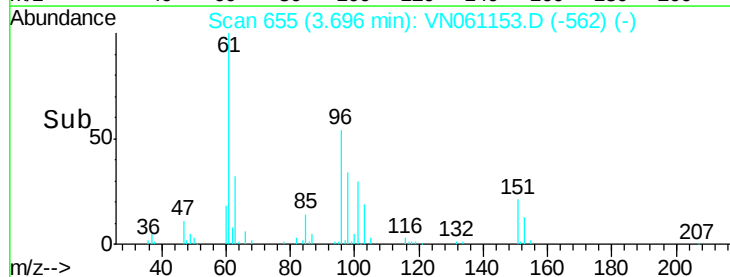
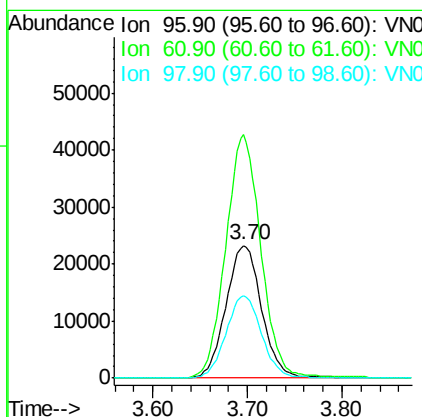
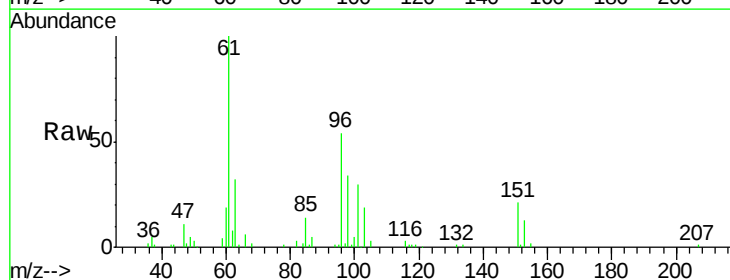
MMDadoda
 4/28/2020 8:14:39 PM

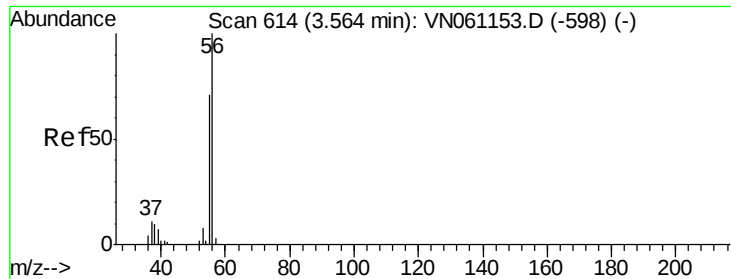


#12

1,1-Dichloroethene
 Concen: 52.495 ug/l
 RT: 3.70 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.8	147.0	220.6
98	62.2	49.8	74.6





#13

Acrolein

Concen: 257.626 ug/l

RT: 3.56 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 38807

Ion Ratio Lower Upper

56 100

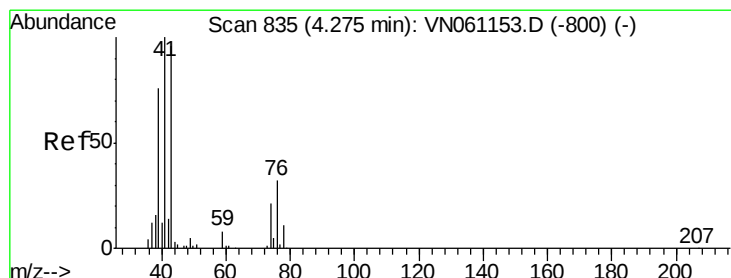
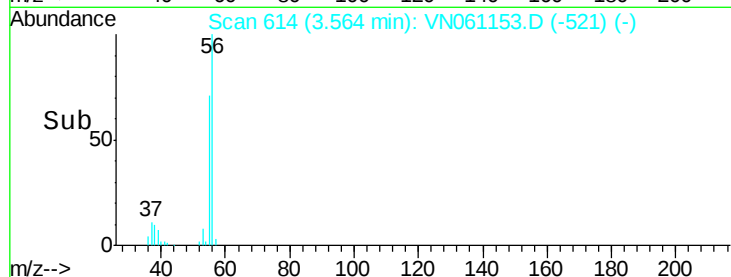
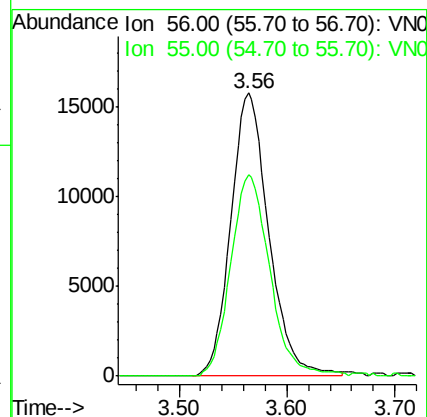
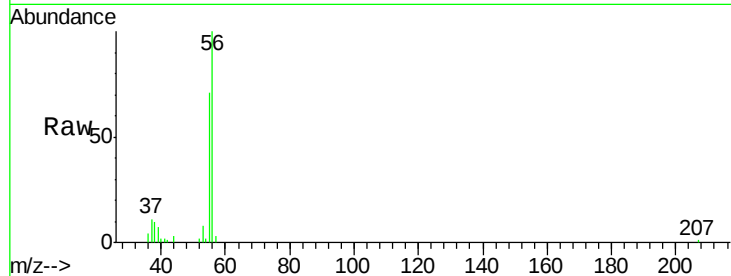
55 73.1 58.5 87.7

Manual Integrations

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#14

Allyl chloride

Concen: 64.639 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

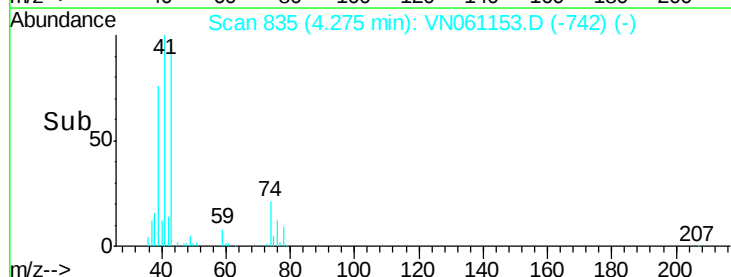
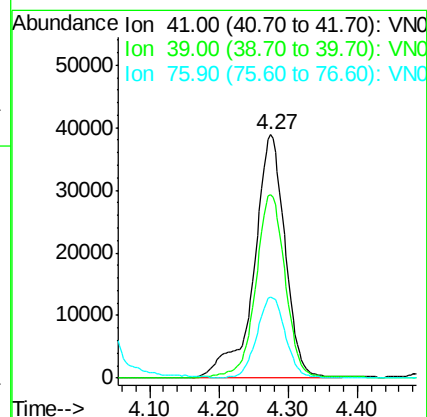
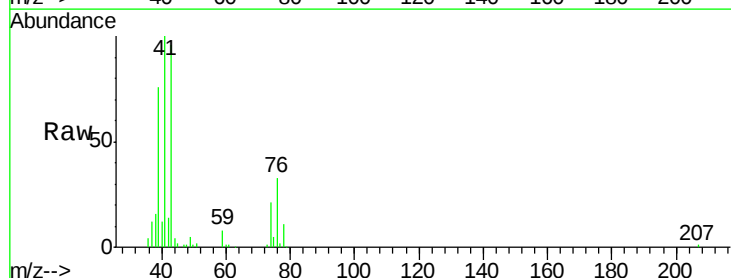
Tgt Ion: 41 Resp: 121424

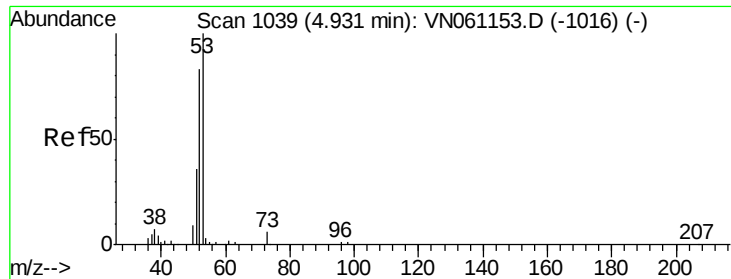
Ion Ratio Lower Upper

41 100

39 71.4 57.1 85.7

76 30.4 24.3 36.5





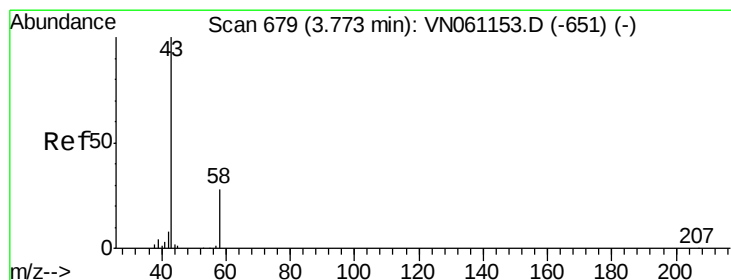
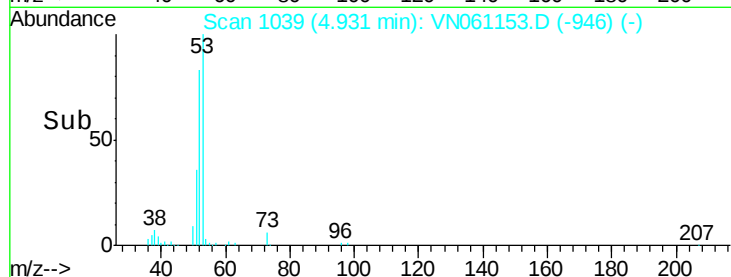
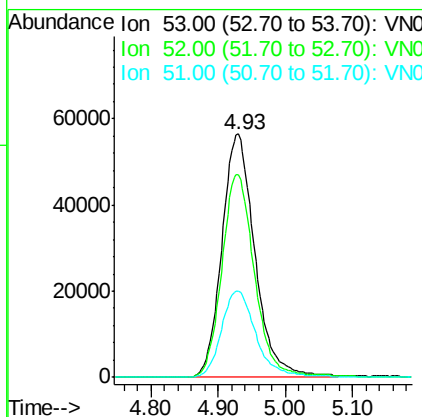
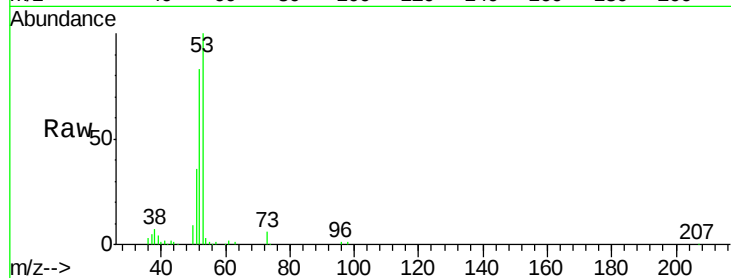
#15
 Acrylonitrile
 Concen: 306.674 ug/l
 RT: 4.93 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	53	Resp:	192932
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.4	98.0
51	36.9	29.5	44.3

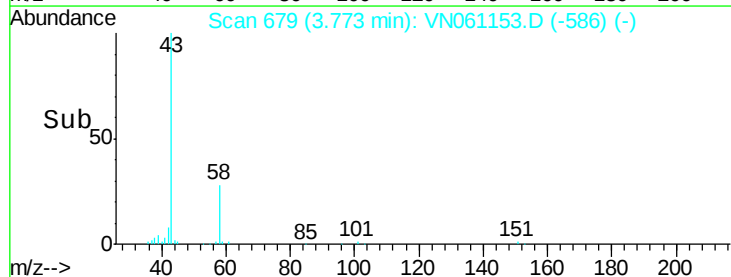
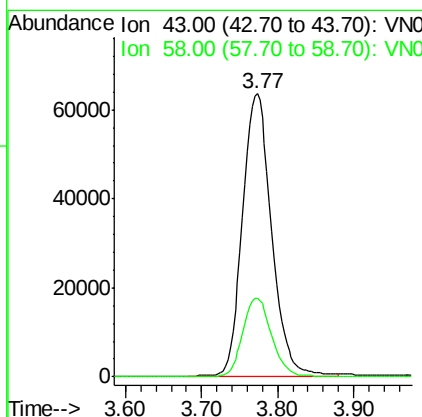
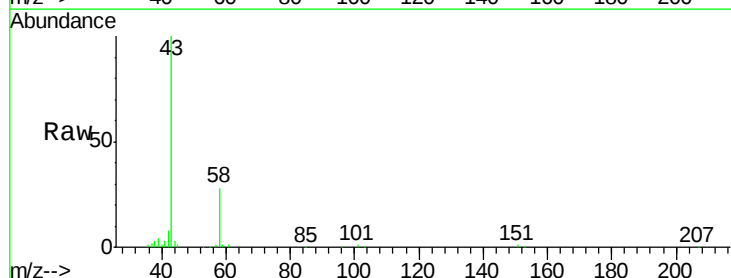
Manual Integrations
 APPROVED

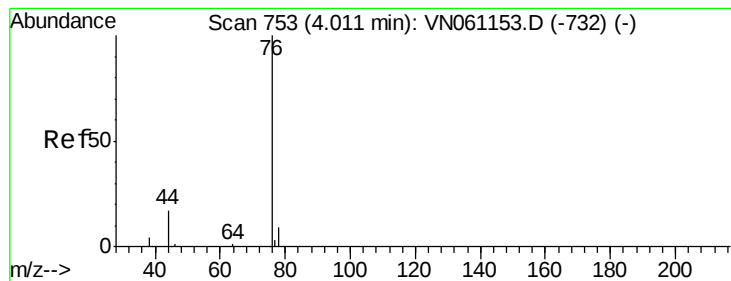
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#16
 Acetone
 Concen: 225.808 ug/l
 RT: 3.77 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion:	43	Resp:	170866
Ion	Ratio	Lower	Upper
43	100		
58	27.7	22.2	33.2





#17

Carbon Disulfide

Concen: 50.415 ug/l

RT: 4.01 min Scan# 753

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 172515

Ion Ratio Lower Upper

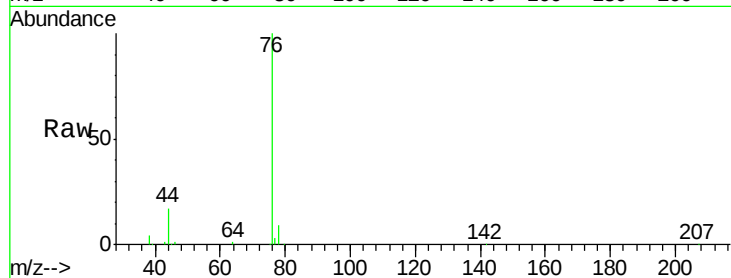
76 100

78 9.0 7.2 10.8

Manual Integrations
APPROVED

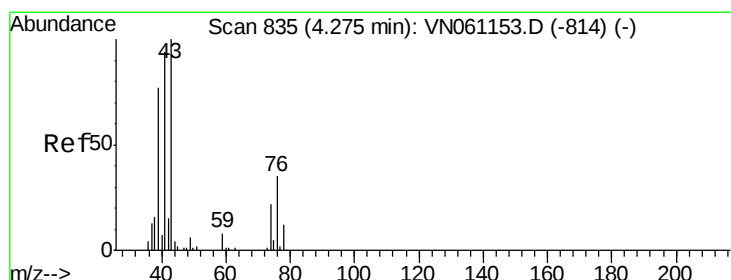
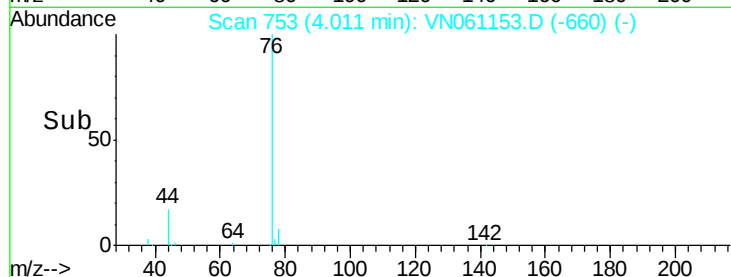
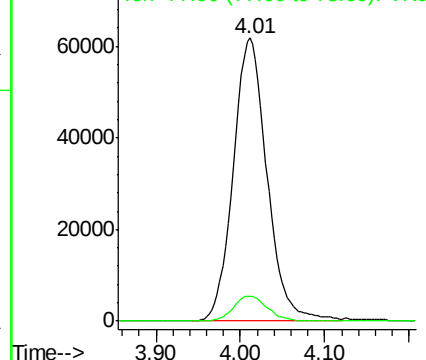
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 52.948 ug/l

RT: 4.27 min Scan# 835

Delta R.T. 0.00 min

Lab File: VN061153.D

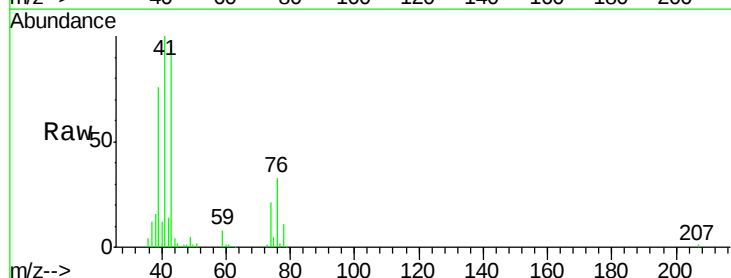
Acq: 27 Apr 2020 17:12

Tgt Ion: 43 Resp: 108482

Ion Ratio Lower Upper

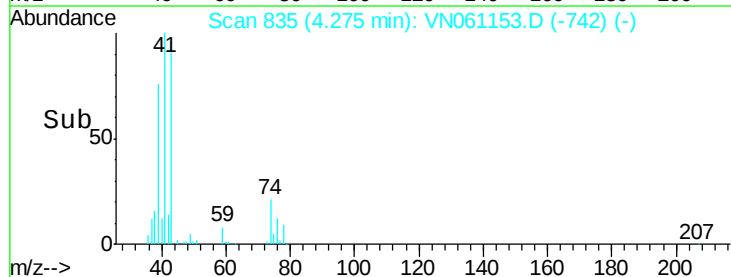
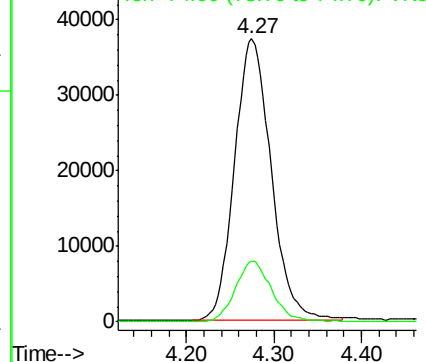
43 100

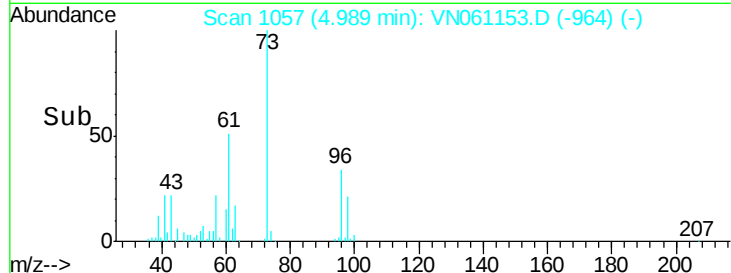
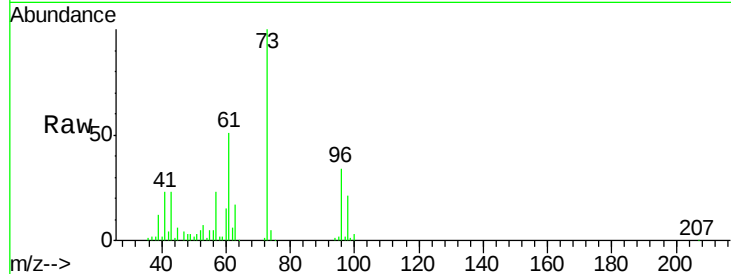
74 21.2 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





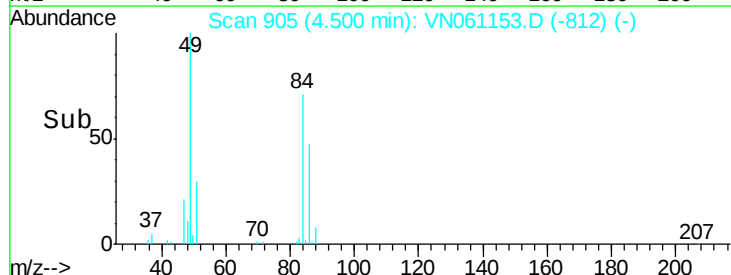
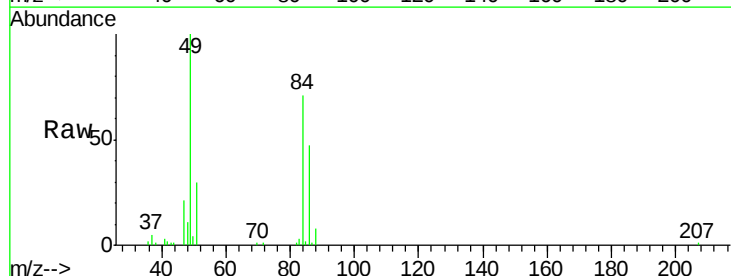
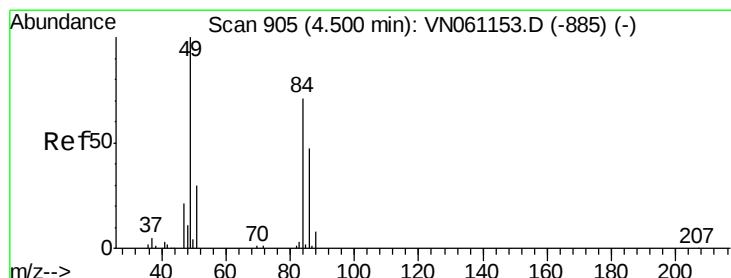
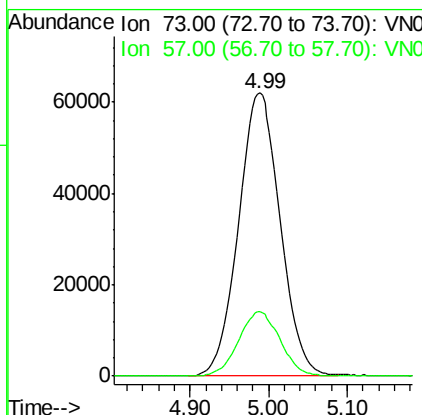
#19
Methyl tert-butyl Ether
Concen: 55.728 ug/l
RT: 4.99 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tot Ion: 73 Resp: 230692
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

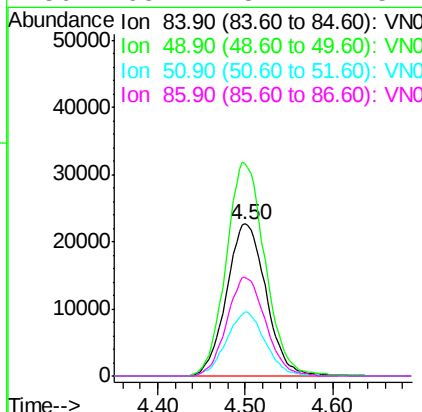
Manual Integrations
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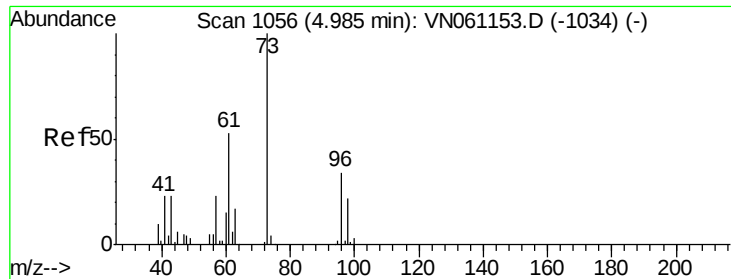
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#20
Methylene Chloride
Concen: 52.720 ug/l
RT: 4.50 min Scan# 905
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion: 84 Resp: 71007
Ion Ratio Lower Upper
84 100
49 140.0 112.0 168.0
51 42.0 33.6 50.4
86 65.1 52.1 78.1





#21

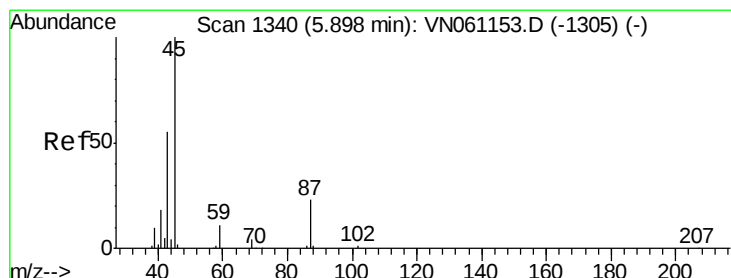
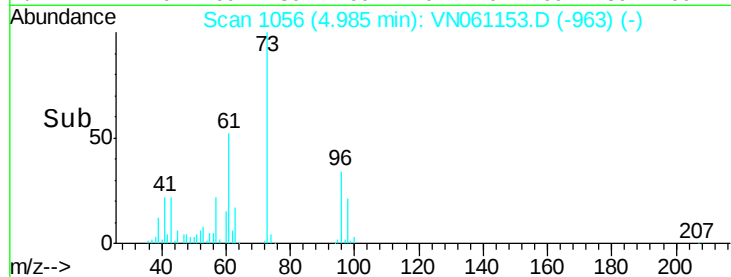
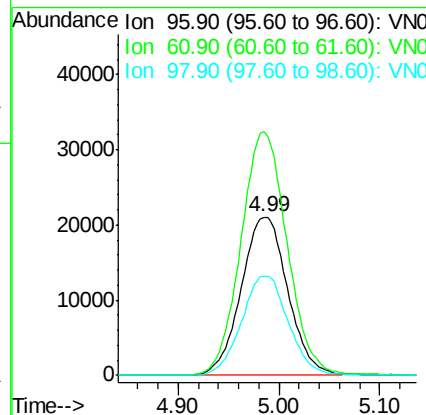
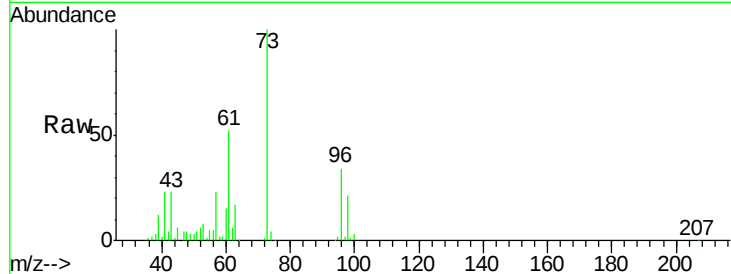
trans-1,2-Dichloroethene
Concen: 48.852 ug/l
RT: 4.99 min Scan# 1056
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.7	123.0	184.4
98	62.6	50.1	75.1

Manual Integrations
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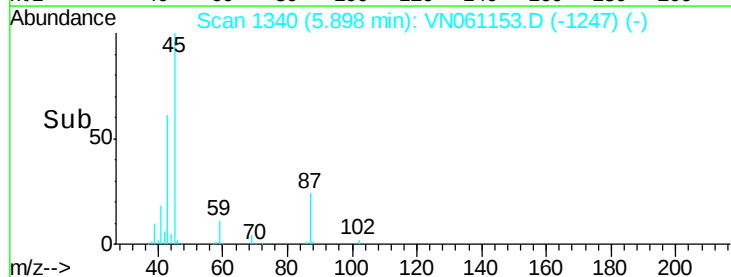
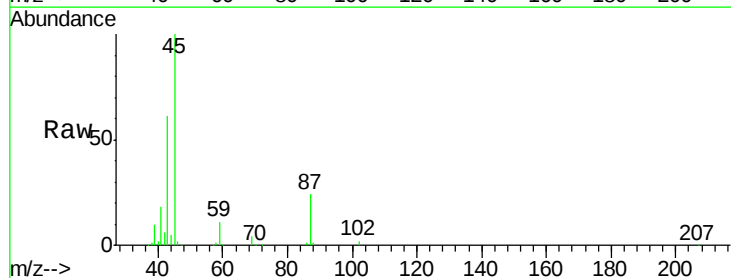
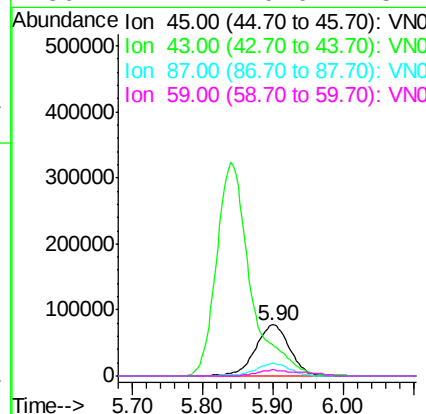
MMDadoda
4/28/2020 8:14:39 PM

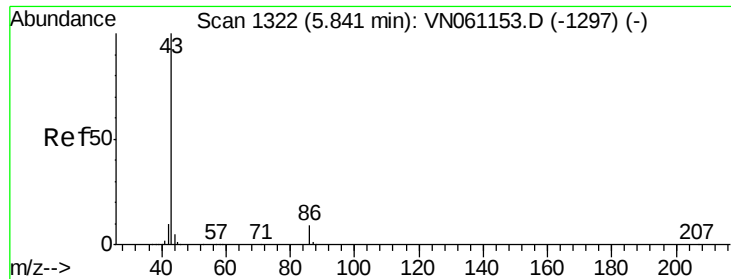


#22

Diisopropyl ether
Concen: 60.435 ug/l
RT: 5.90 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.9	47.9	71.9
87	24.0	19.2	28.8
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 310.774 ug/l

RT: 5.84 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1086846

Ion Ratio Lower Upper

43 100

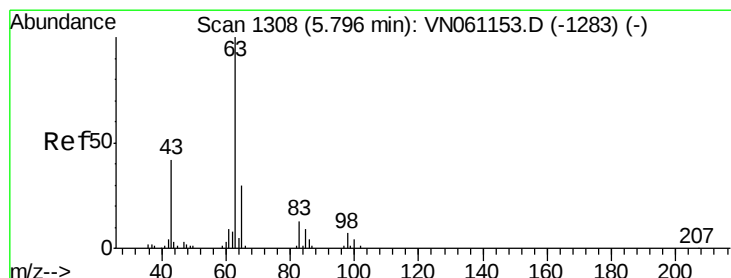
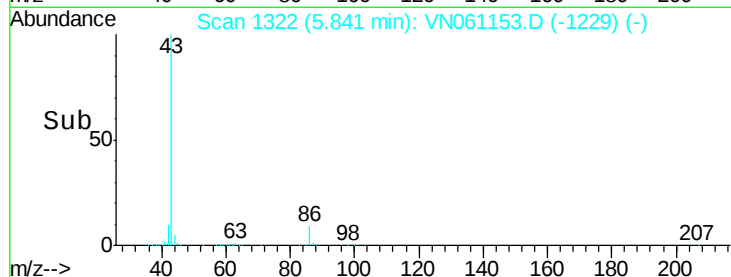
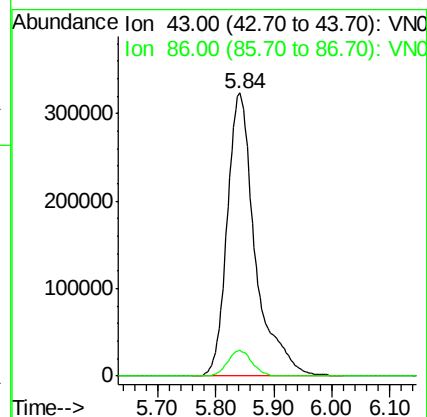
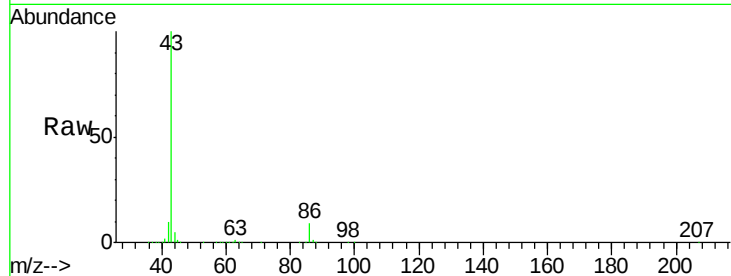
86 9.0 7.2 10.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 57.528 ug/l

RT: 5.80 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

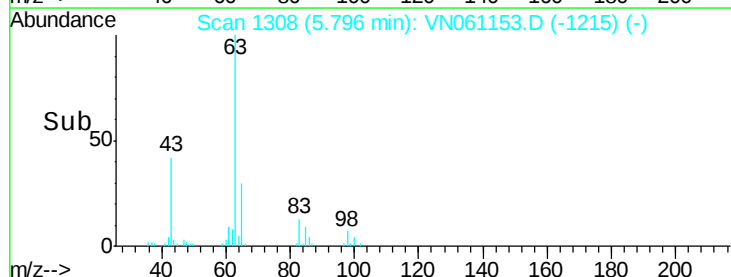
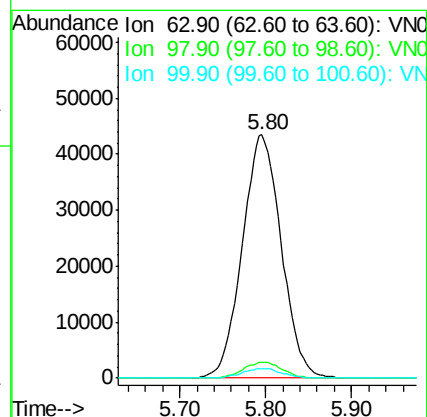
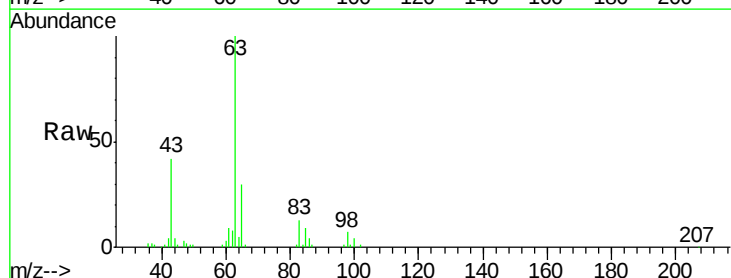
Tgt Ion: 63 Resp: 136855

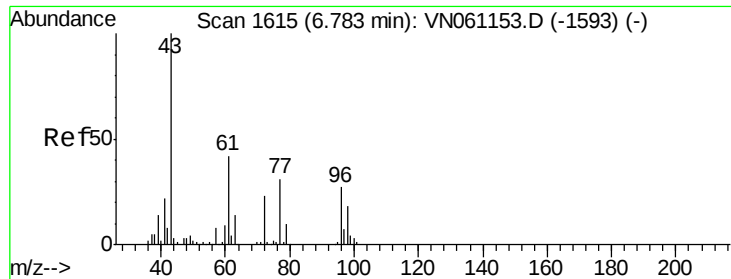
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 3.8 1.9 5.7





#25

2-Butanone

Concen: 319.206 ug/l

RT: 6.78 min Scan# 1615

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 276770

Ion Ratio Lower Upper

43 100

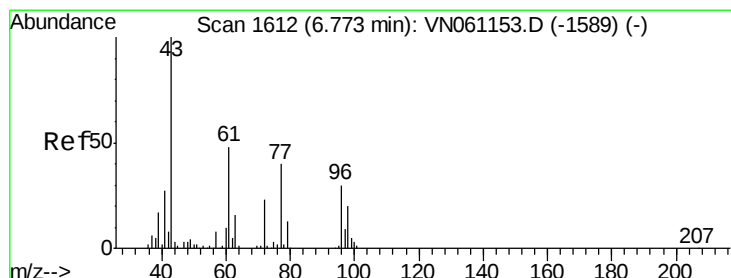
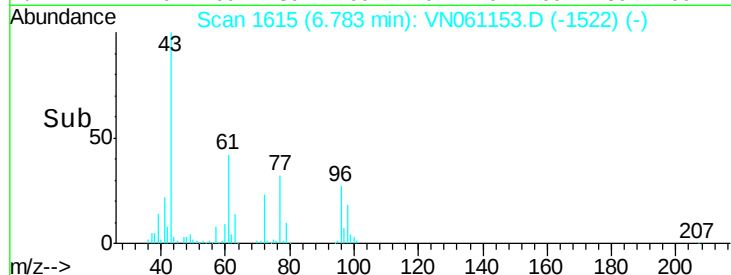
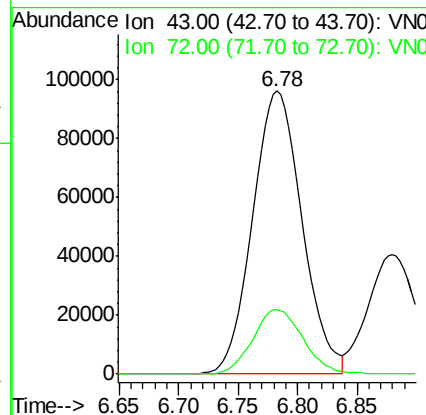
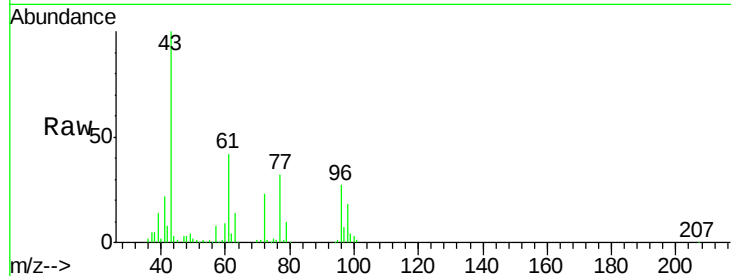
72 22.8 18.2 27.4

Manual Integrations

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4/28/2020 8:14:39 PM



#26

2,2-Dichloropropane

Concen: 51.478 ug/l

RT: 6.77 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VN061153.D

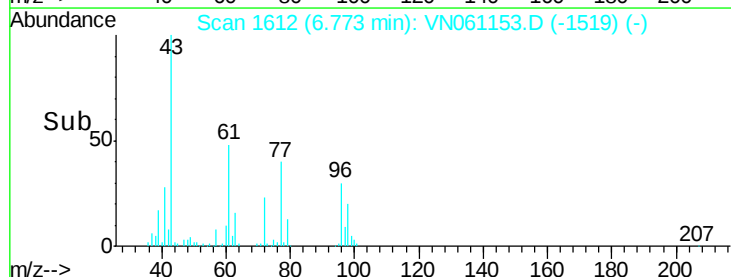
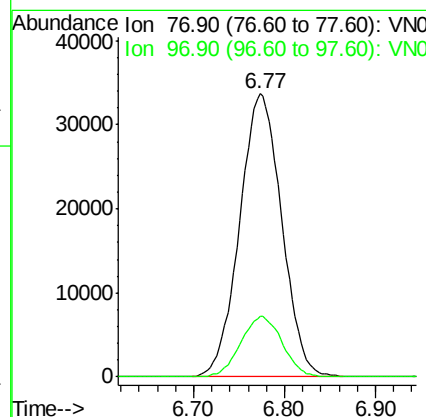
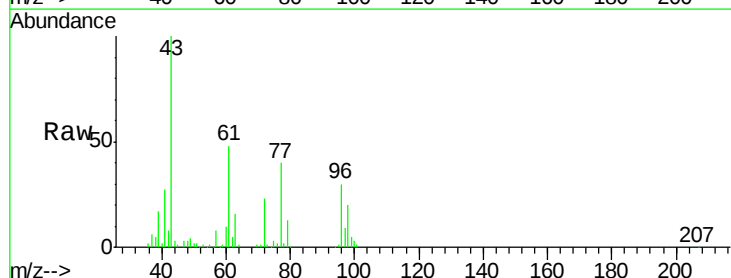
Acq: 27 Apr 2020 17:12

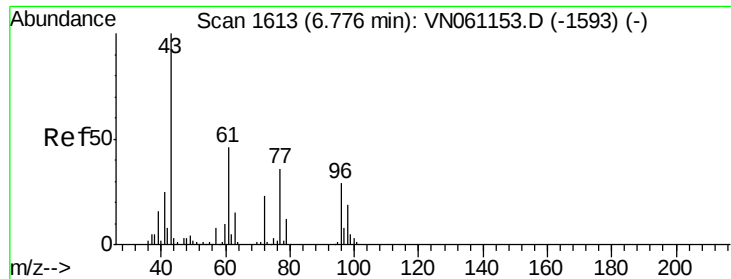
Tgt Ion: 77 Resp: 108034

Ion Ratio Lower Upper

77 100

97 21.0 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 50.495 ug/l

RT: 6.78 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

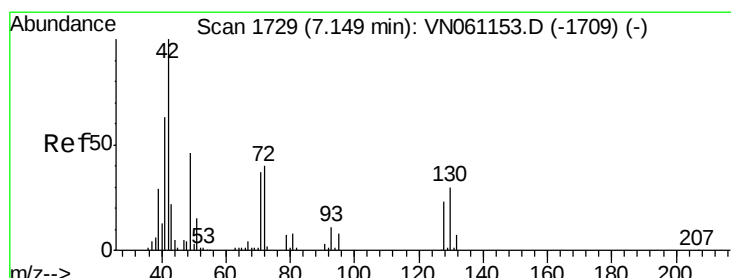
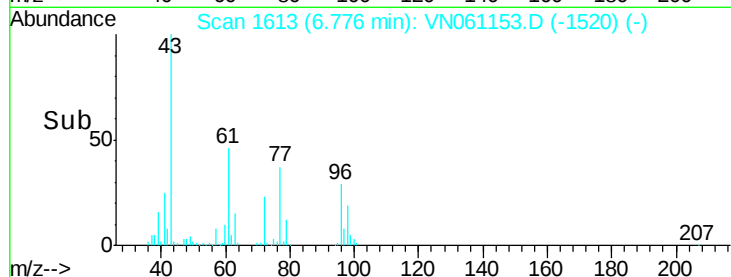
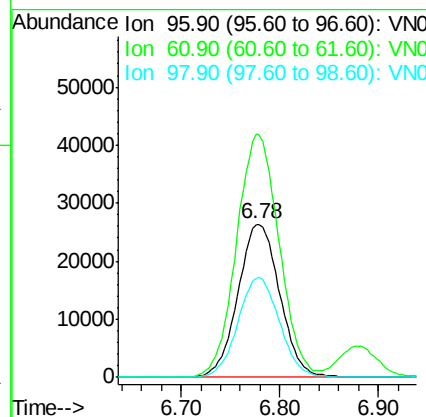
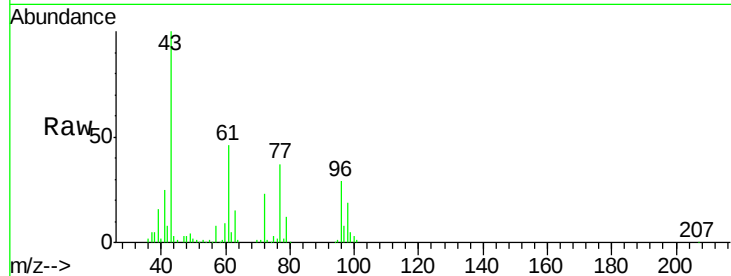
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	77649
Ion	Ratio	Lower	Upper
96	100		
61	161.0	0.0	322.0
98	64.8	0.0	129.6

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#28

Bromochloromethane

Concen: 58.982 ug/l

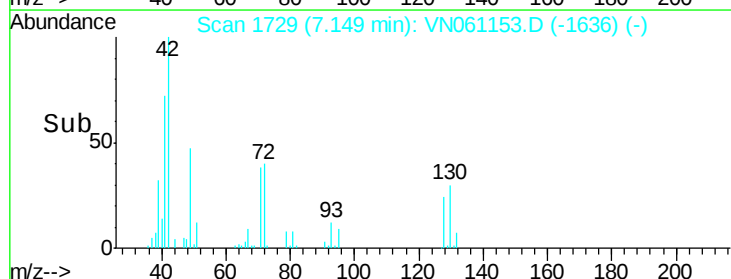
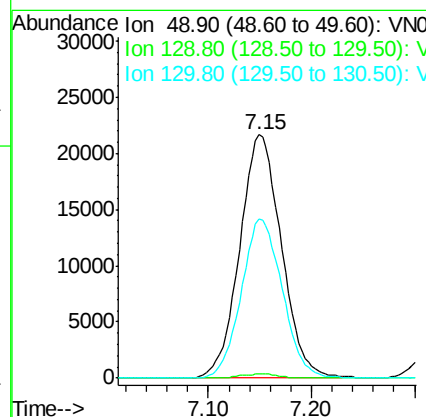
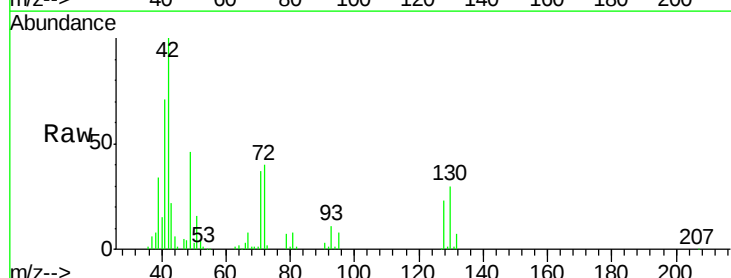
RT: 7.15 min Scan# 1729

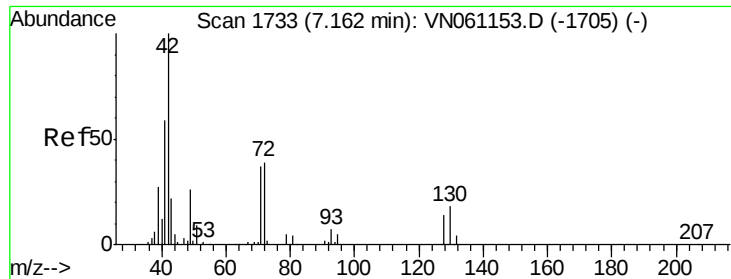
Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Tgt Ion:	49	Resp:	60854
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	64.3	51.4	77.2





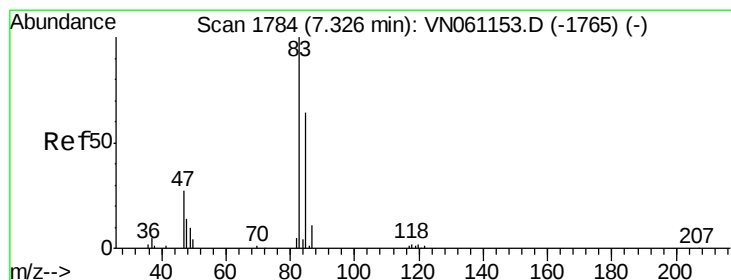
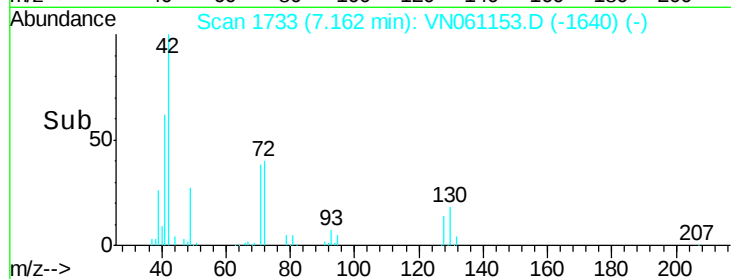
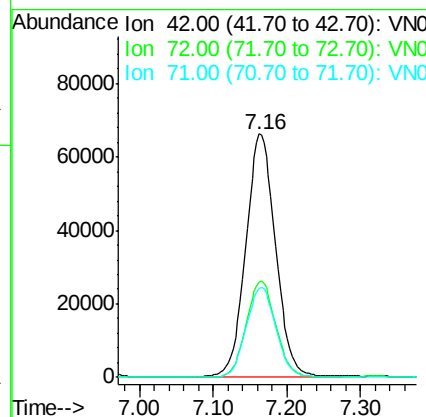
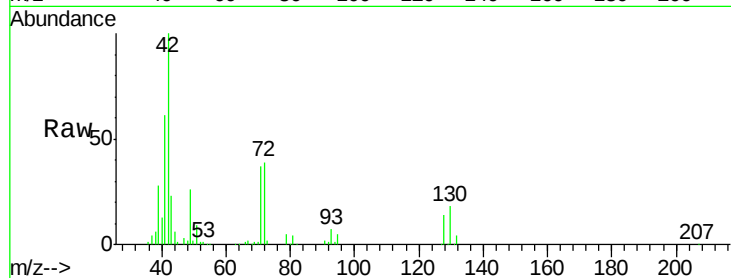
#29
Tetrahydrofuran
Concen: 314.049 ug/l
RT: 7.16 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	31.4	47.0
71	36.9	29.5	44.3

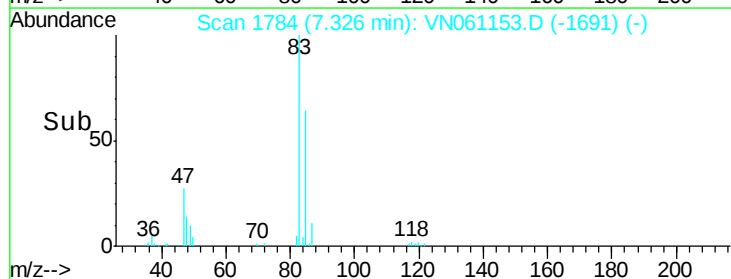
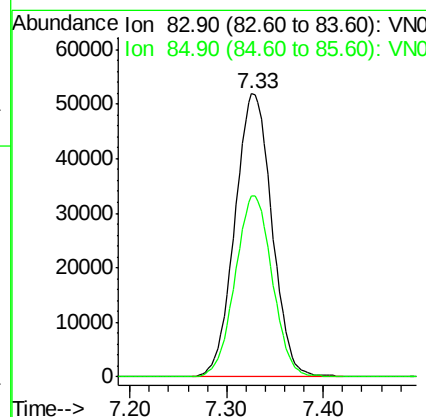
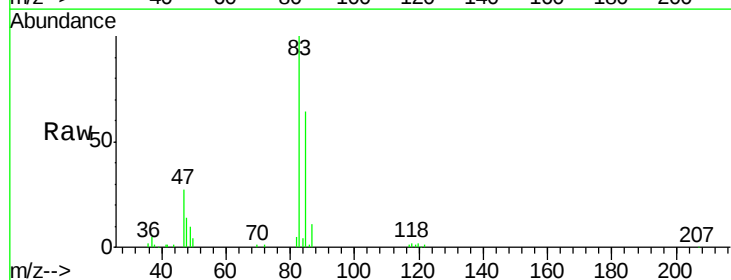
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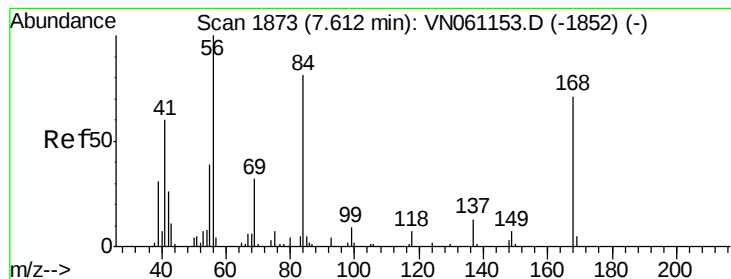
MMDadoda
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#30
Chloroform
Concen: 57.301 ug/l
RT: 7.33 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





#31

Cyclohexane

Concen: 53.389 ug/l

RT: 7.61 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 127438

Ion Ratio Lower Upper

56 100

69 32.1 25.7 38.5

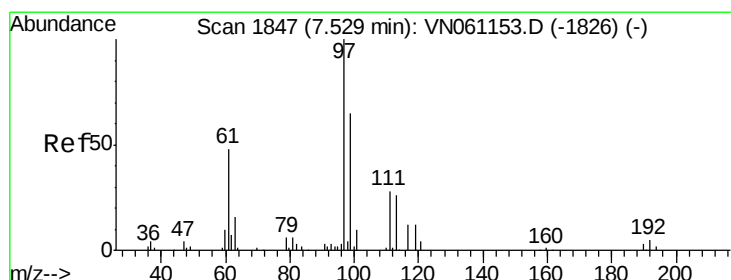
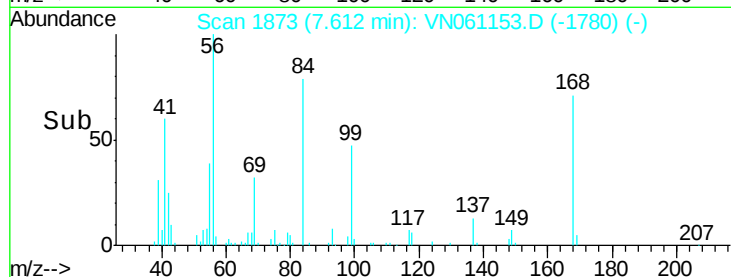
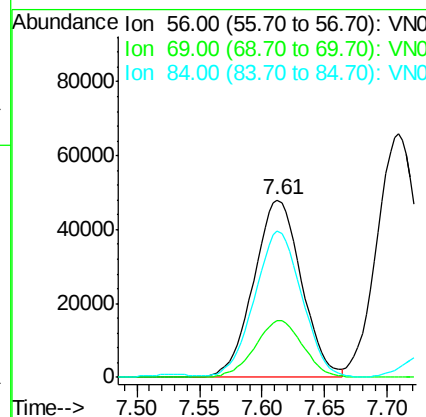
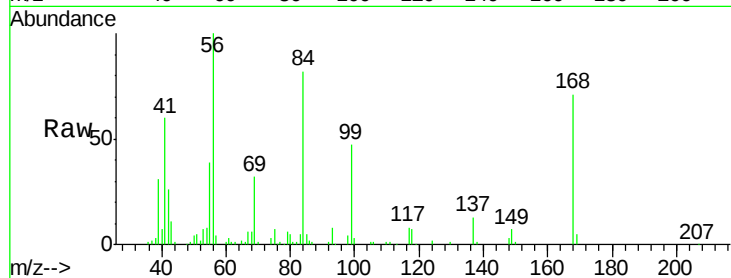
84 80.8 64.6 97.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 56.448 ug/l

RT: 7.53 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

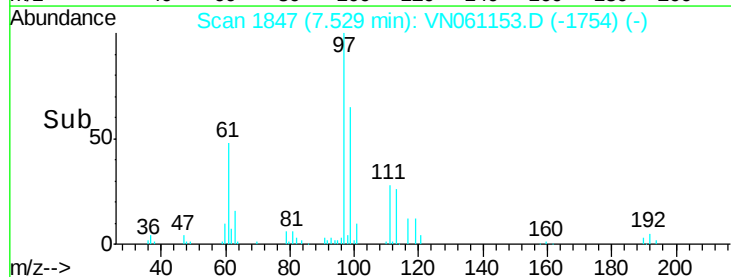
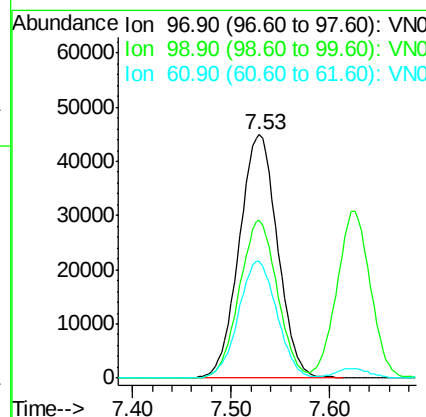
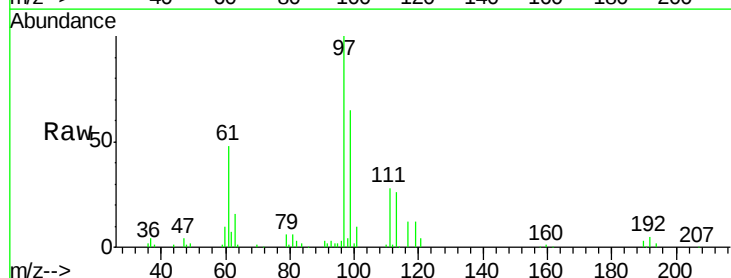
Tgt Ion: 97 Resp: 121011

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

61 48.2 38.6 57.8





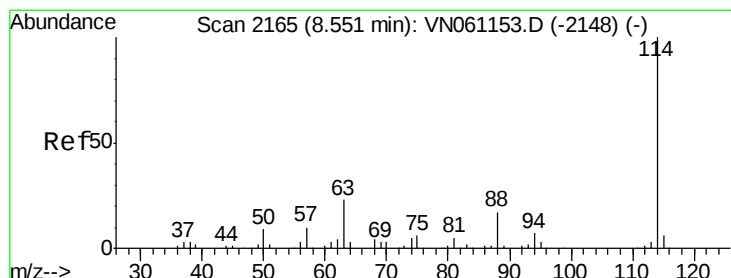
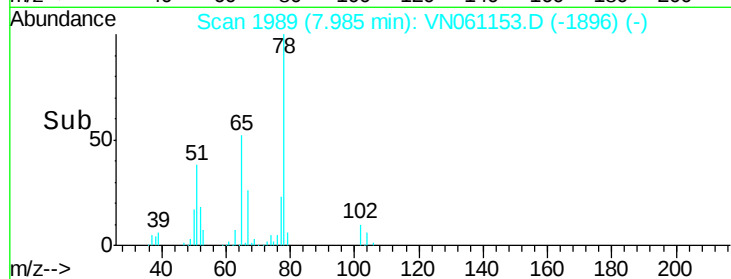
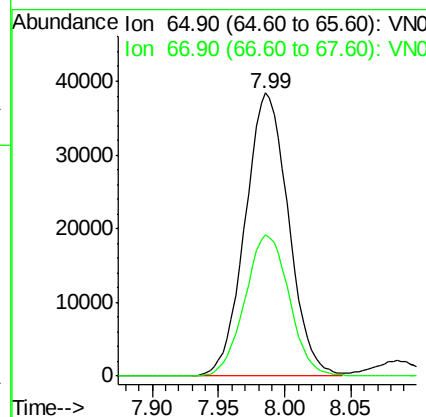
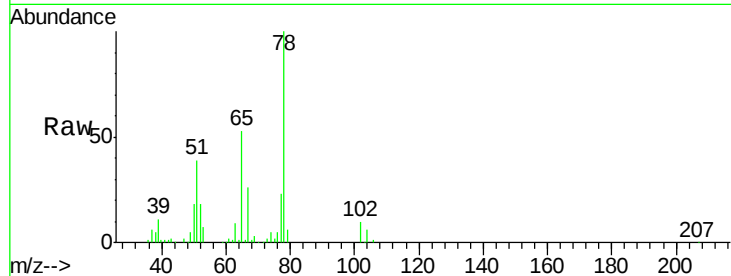
#33
 1,2-Dichloroethane-d4
 Concen: 55.643 ug/l
 RT: 7.99 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	101.6

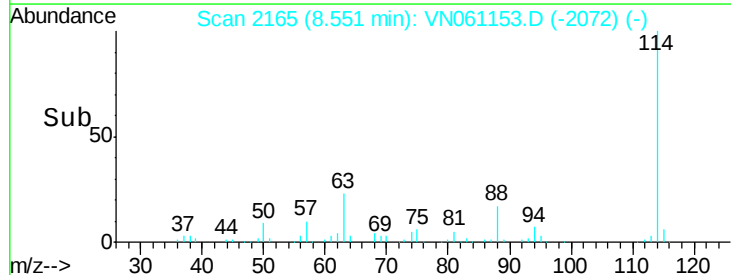
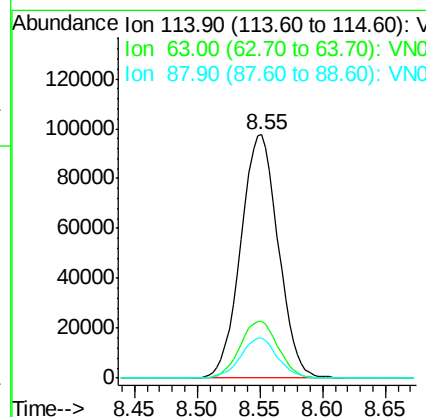
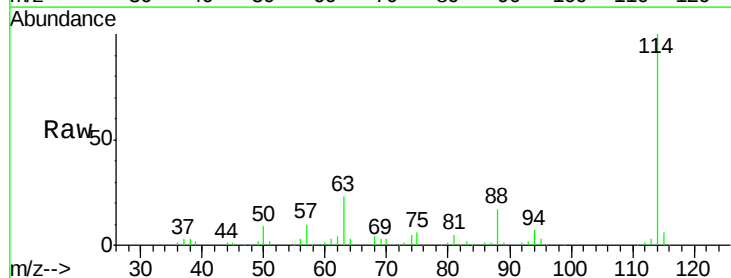
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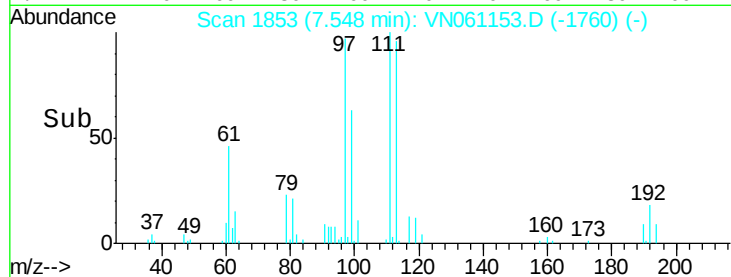
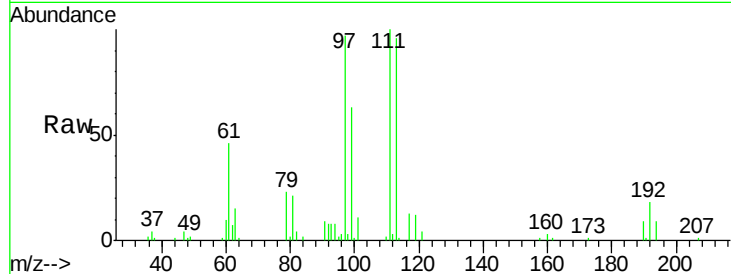
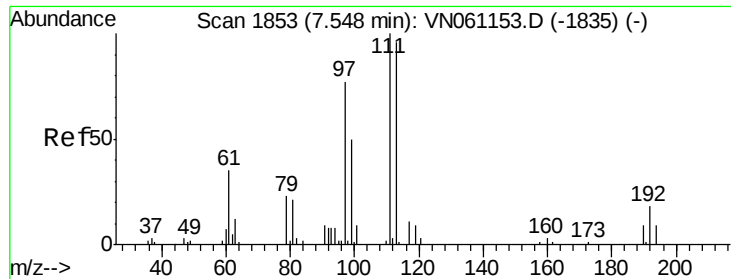
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.6
88	16.7	0.0	33.4





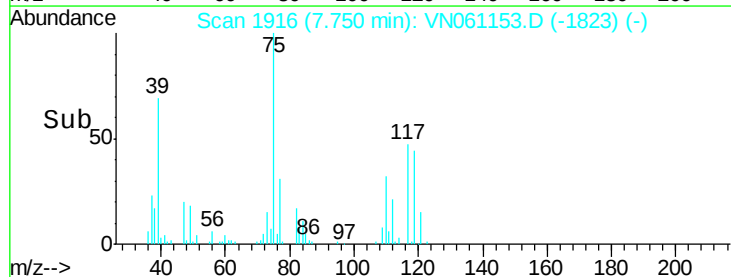
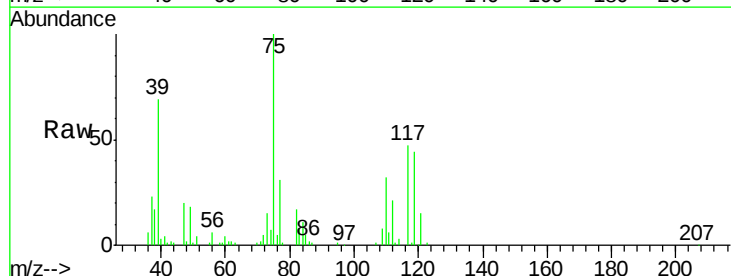
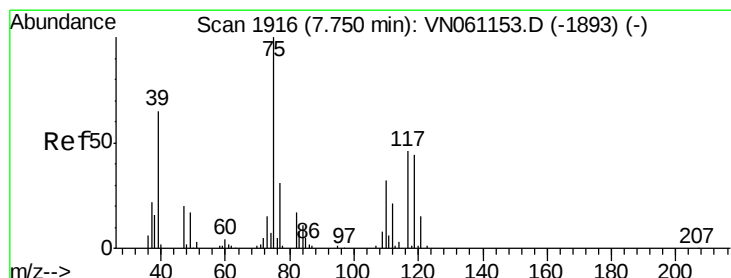
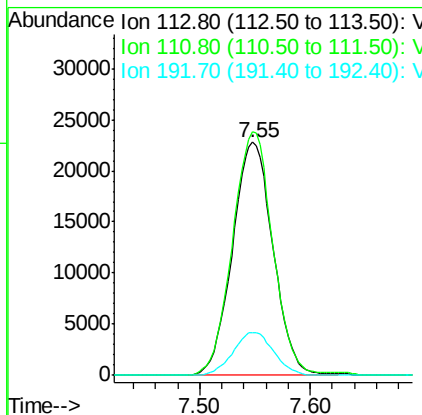
#35
Dibromofluoromethane
Concen: 49.984 ug/l
RT: 7.55 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tot Ion	Ratio	Resp	Lower	Upper
113	100	58145		
111	103.6	82.9	124.3	
192	18.4	14.7	22.1	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

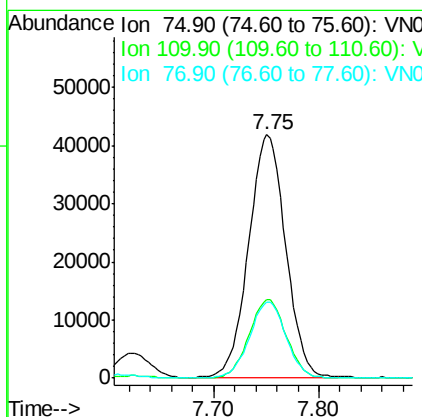
Manual Integrations
APPROVED

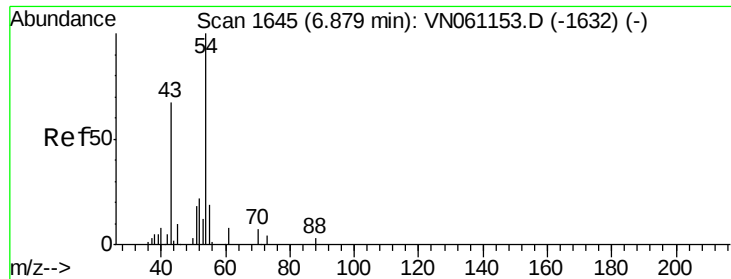
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#36
1,1-Dichloropropene
Concen: 51.577 ug/l
RT: 7.75 min Scan# 1916
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102693		
110	32.0	16.0	48.0	
77	30.8	24.6	37.0	





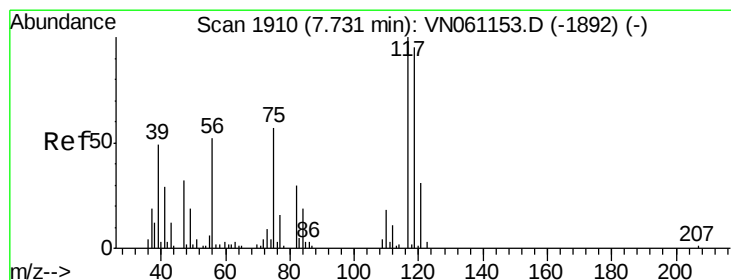
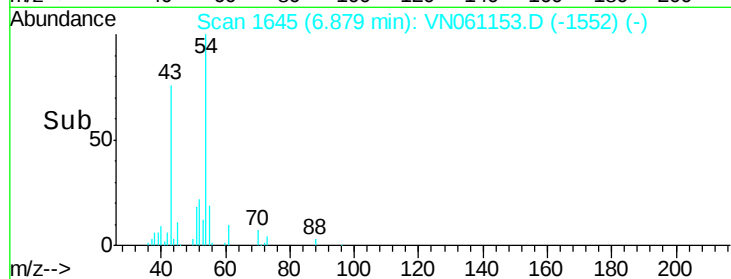
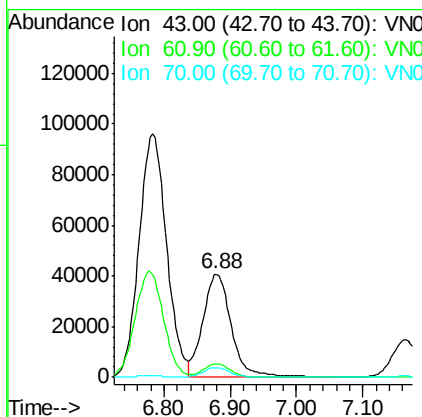
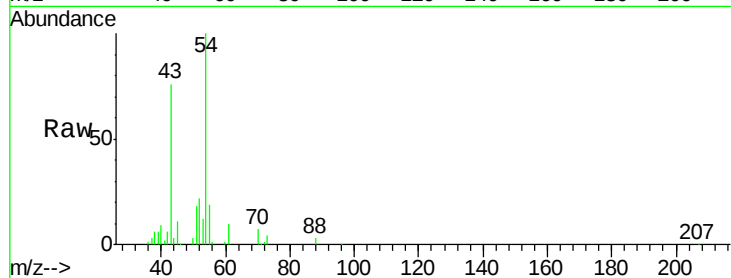
#37
Ethyl Acetate
Concen: 58.406 ug/l
RT: 6.88 min Scan# 1645
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	43	61	70
Resp	119459		
Ratio	100	12.7	9.0
Lower		10.2	7.2
Upper		15.2	10.8

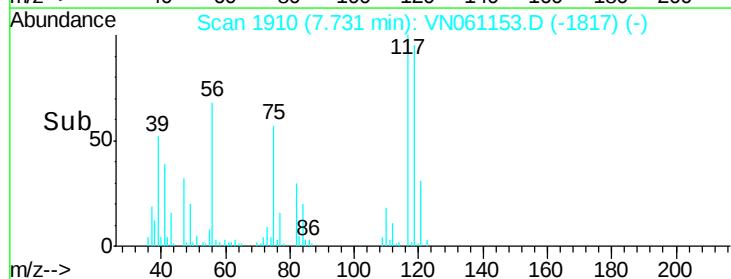
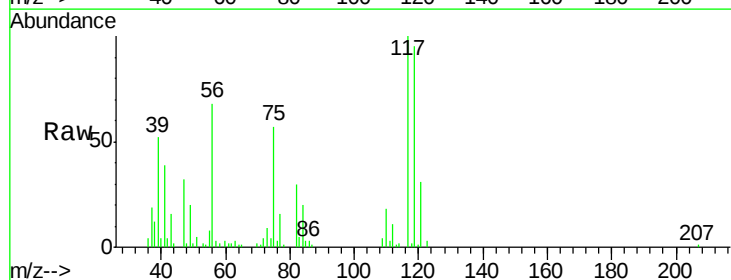
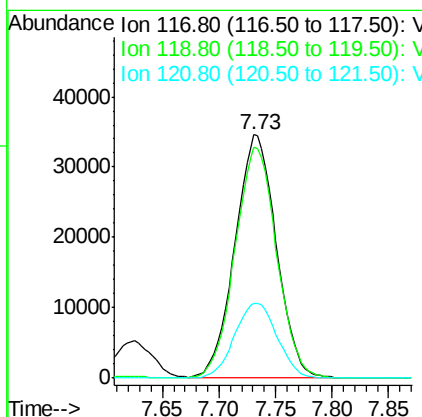
Manual Integrations
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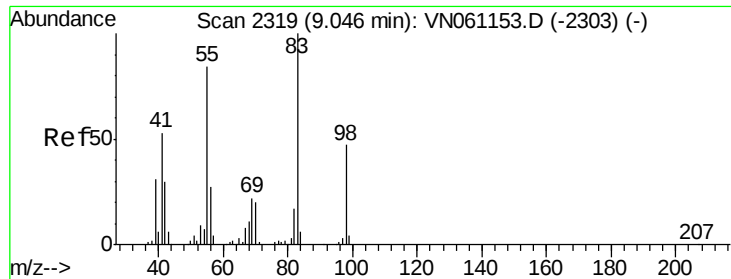
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#38
Carbon Tetrachloride
Concen: 50.939 ug/l
RT: 7.73 min Scan# 1910
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	117	119	121
Resp	88092		
Ratio	100	94.7	30.9
Lower		75.8	24.7
Upper		113.6	37.1





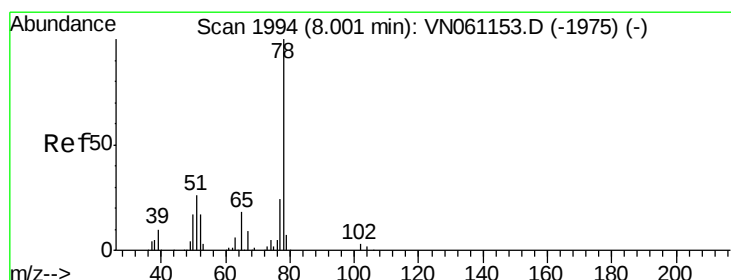
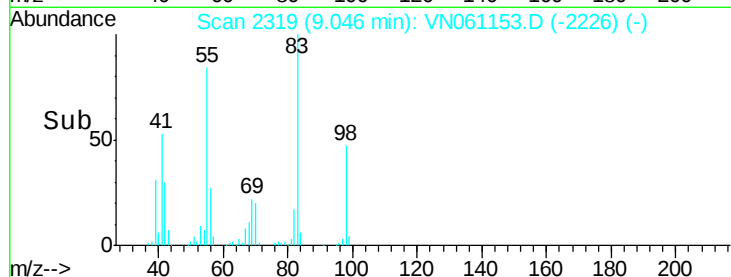
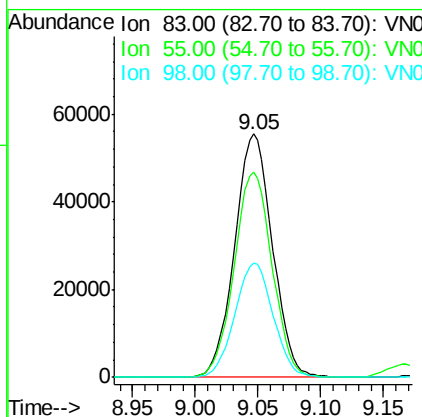
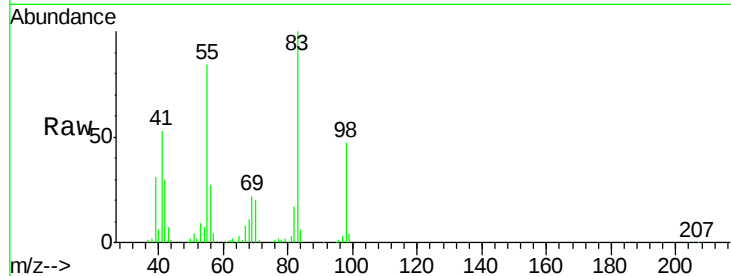
#39
Methvlcvclohexane
Concen: 48.411 ug/l
RT: 9.05 min Scan# 2319
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	84.1	67.3	100.9	
98	47.1	37.7	56.5	

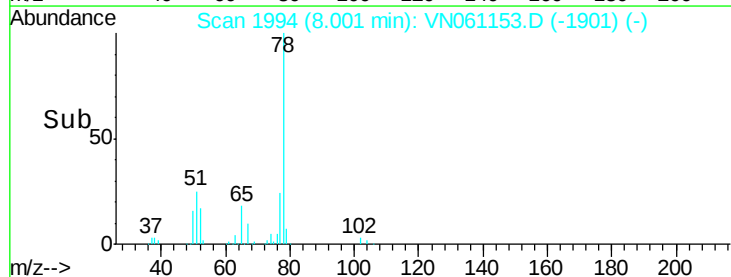
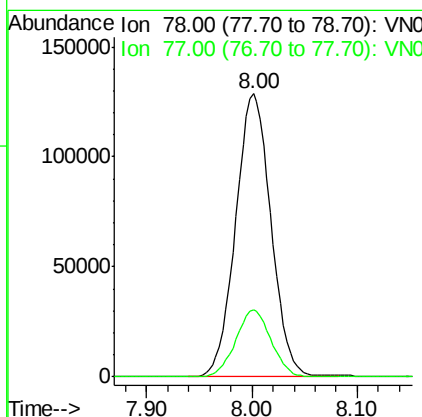
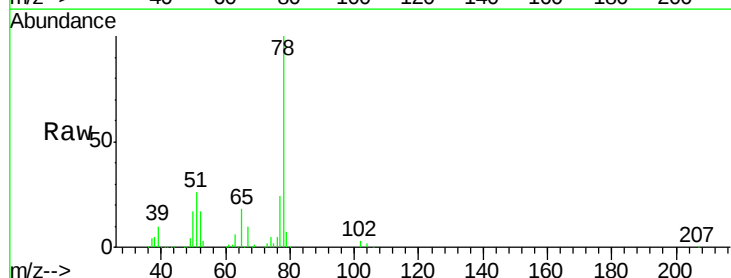
Manual Integrations
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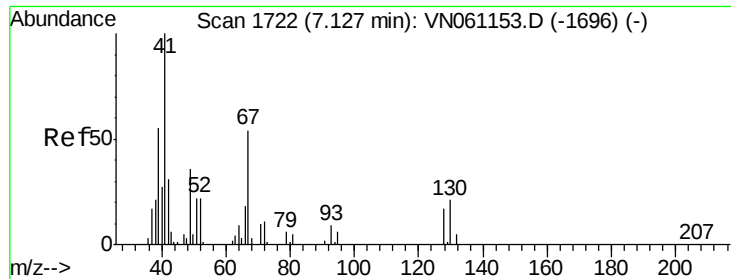
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#40
Benzene
Concen: 50.954 ug/l
RT: 8.00 min Scan# 1994
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	19.0	28.6	





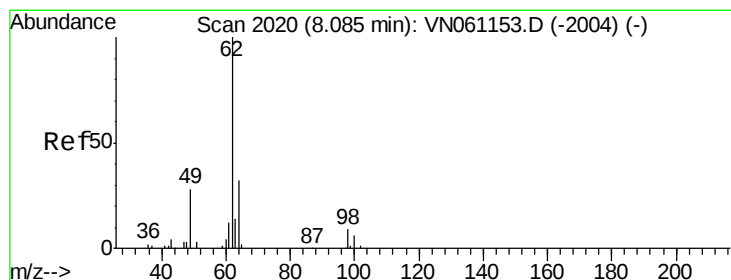
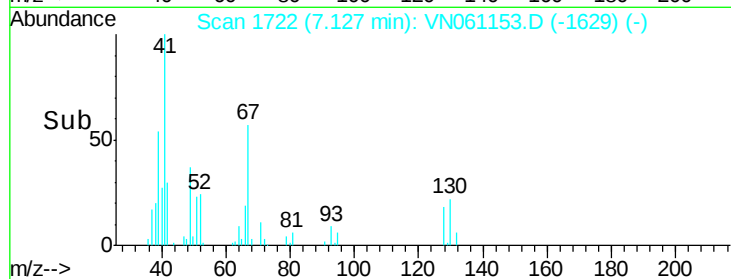
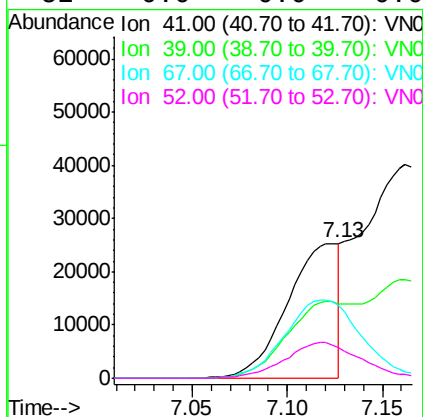
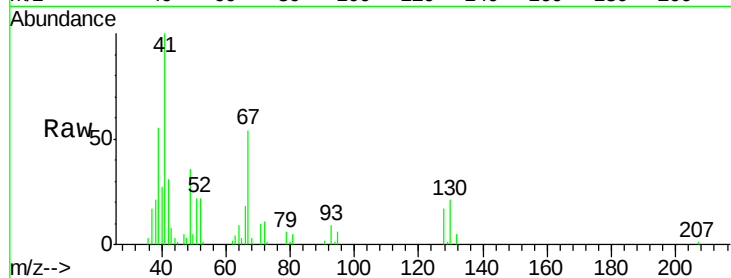
#41
Methacrylonitrile
Concen: 50.596 ug/l m
RT: 7.13 min Scan# 1722
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp:	47408
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

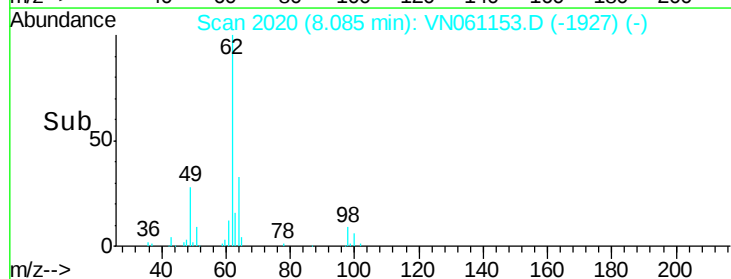
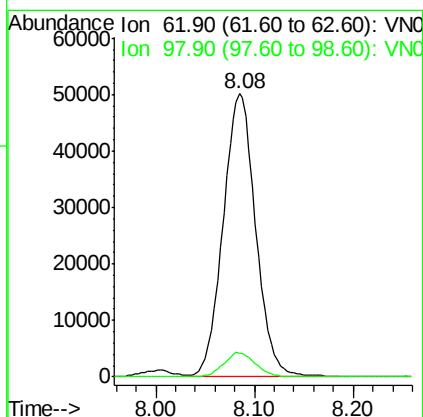
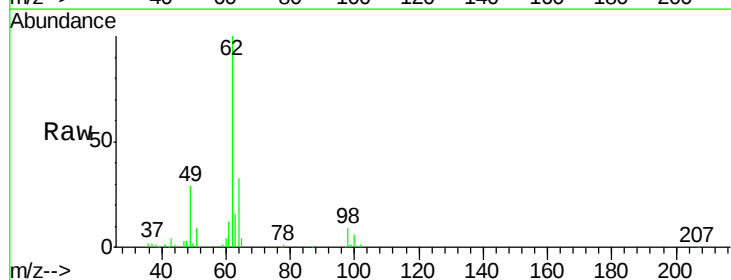
Manual Integrations
APPROVED

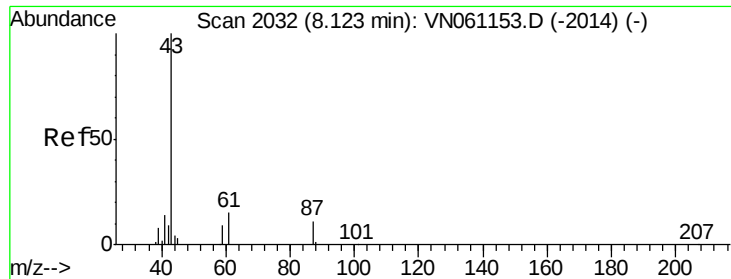
MMDadoda
4/28/2020 8:14:39 PM



#42
1,2-Dichloroethane
Concen: 54.236 ug/l
RT: 8.08 min Scan# 2020
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	62	Resp:	115385
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	16.8





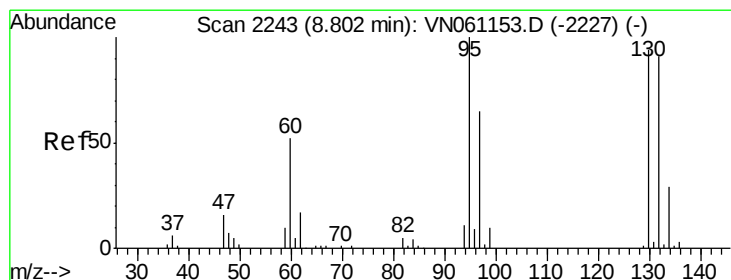
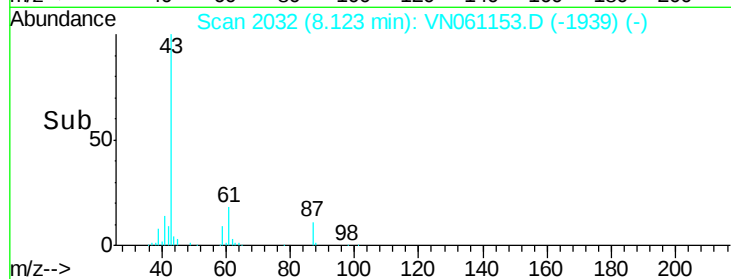
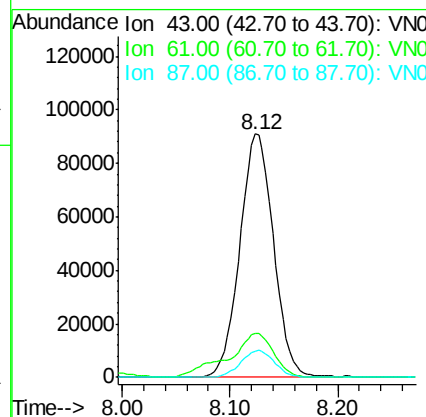
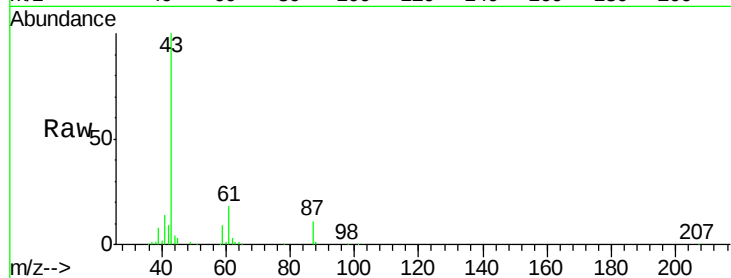
#43
Isopropyl Acetate
Concen: 57.282 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.4	19.5	29.3
87	11.1	8.9	13.3

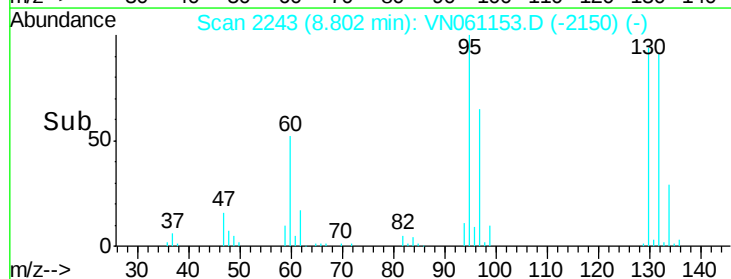
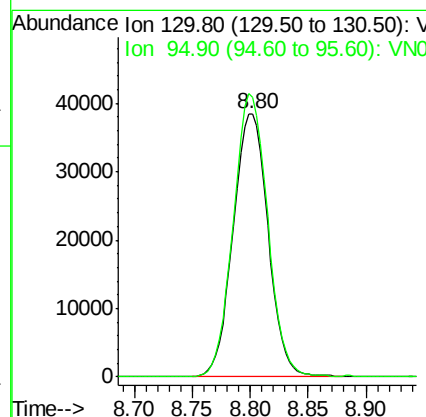
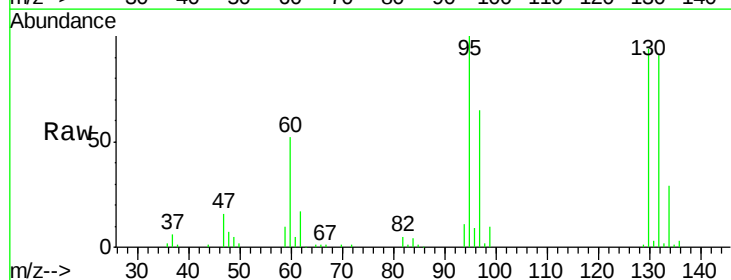
Manual Integrations
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#44
Trichloroethene
Concen: 47.568 ug/l
RT: 8.80 min Scan# 2243
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.2	0.0	212.4





#45

1,2-Dichloropropane

Concen: 51.712 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 80913

Ion Ratio Lower Upper

63 100

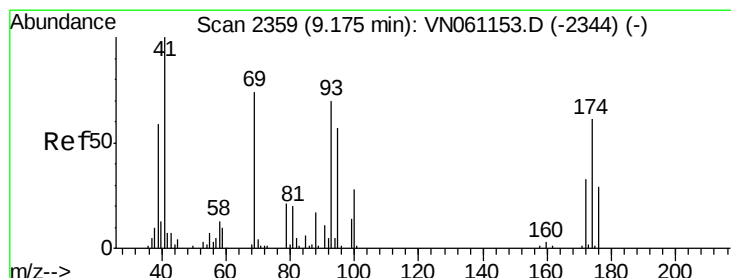
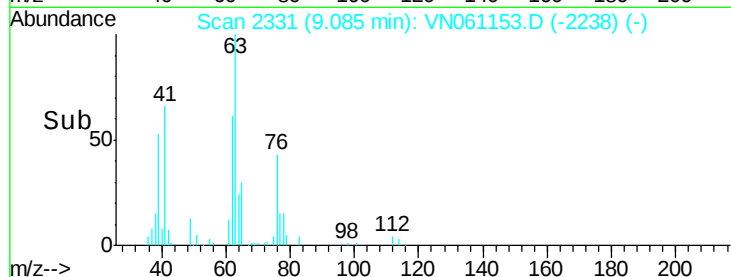
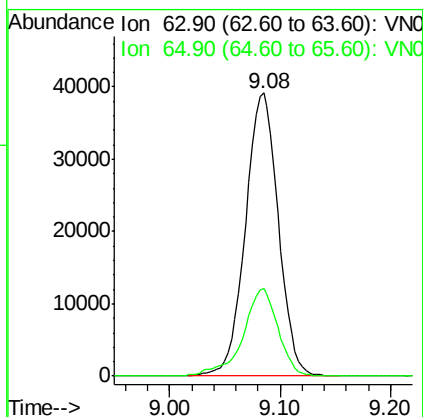
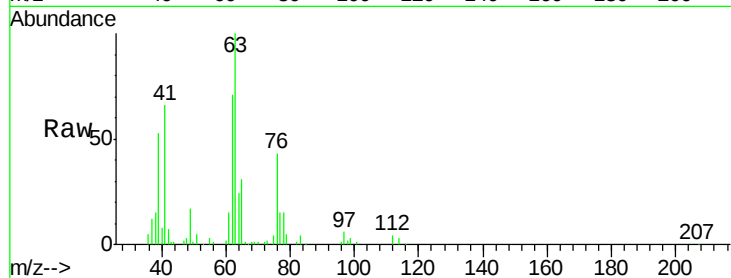
65 30.9 24.7 37.1

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#46

Dibromomethane

Concen: 51.920 ug/l

RT: 9.17 min Scan# 2359

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

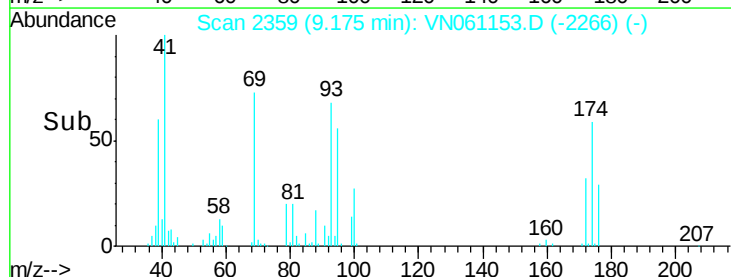
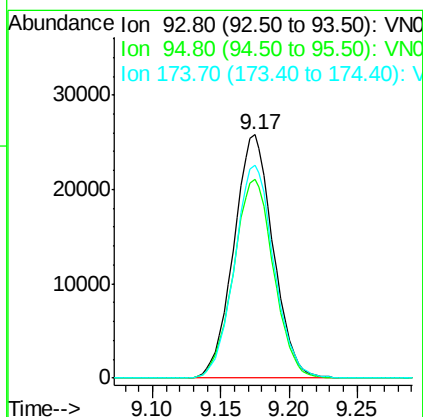
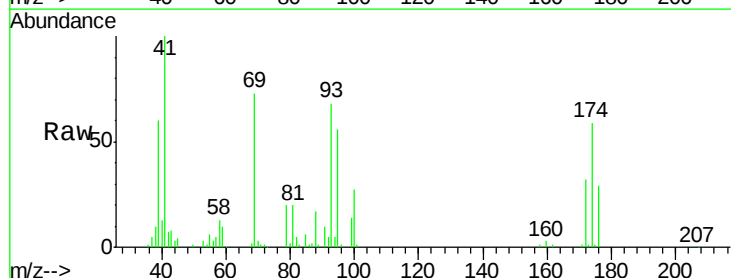
Tgt Ion: 93 Resp: 51766

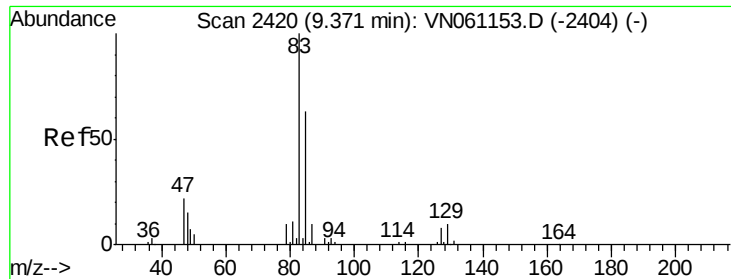
Ion Ratio Lower Upper

93 100

95 83.2 66.6 99.8

174 87.7 70.2 105.2





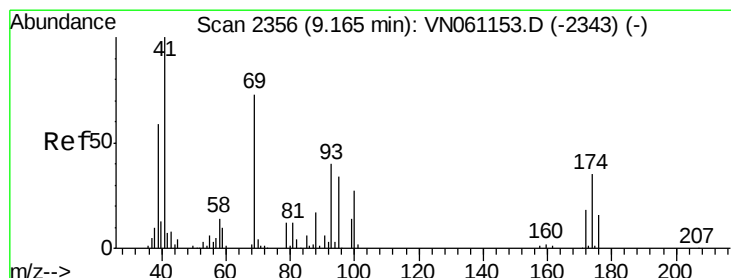
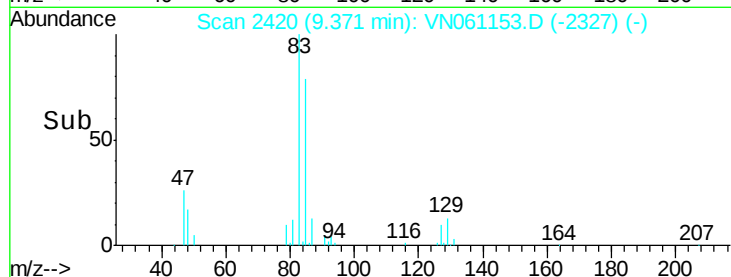
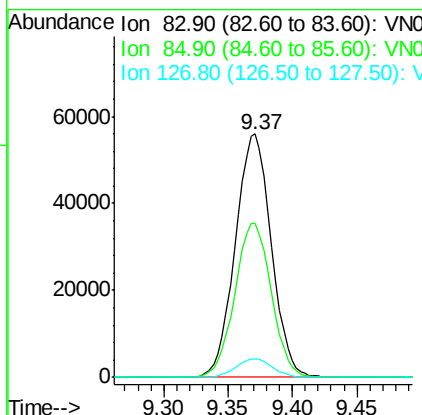
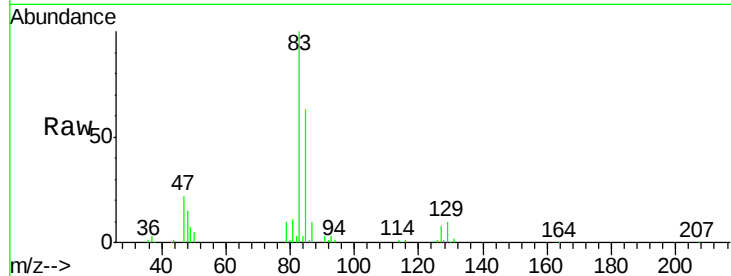
#47
 Bromodichloromethane
 Concen: 54.748 ug/l
 RT: 9.37 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	83	Resp	108559
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	50.4	75.6
127	7.7	6.2	9.2

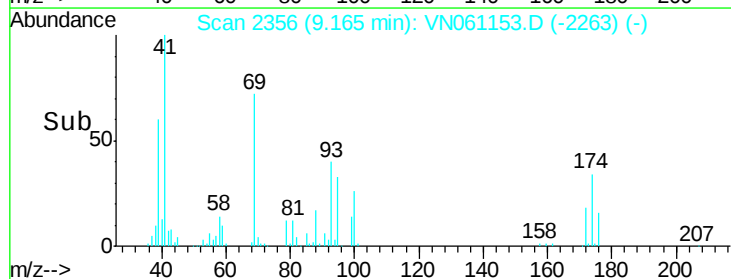
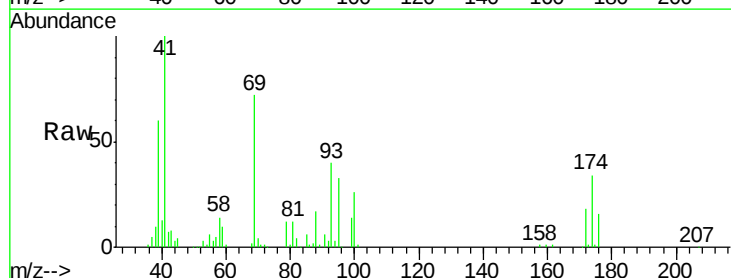
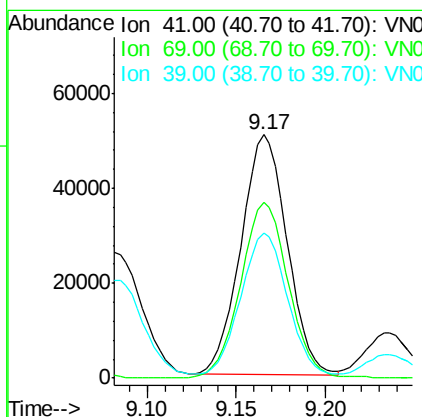
Manual Integrations
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#48
 Methyl methacrylate
 Concen: 56.633 ug/l
 RT: 9.17 min Scan# 2356
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	41	Resp	91935
Ion Ratio	100	Lower	Upper
41	100		
69	75.4	60.3	90.5
39	59.2	47.4	71.0





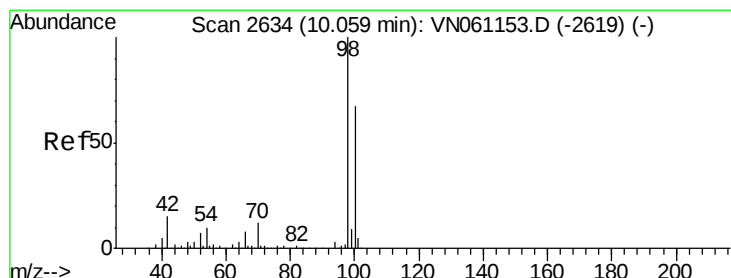
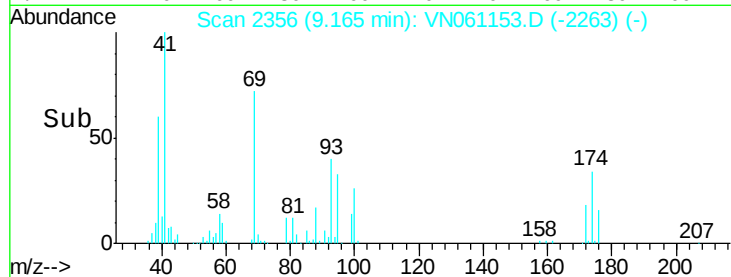
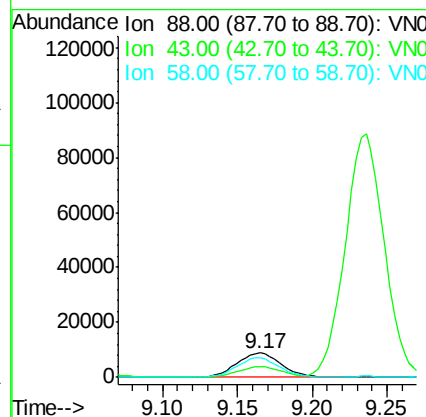
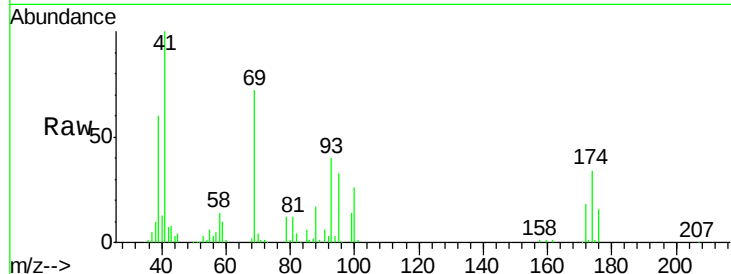
#49
1,4-Dioxane
Concen: 784.429 ug/l
RT: 9.17 min Scan# 2356
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.1	35.3	52.9
58	76.9	61.5	92.3

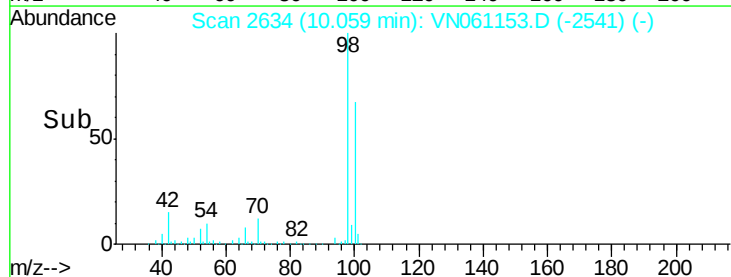
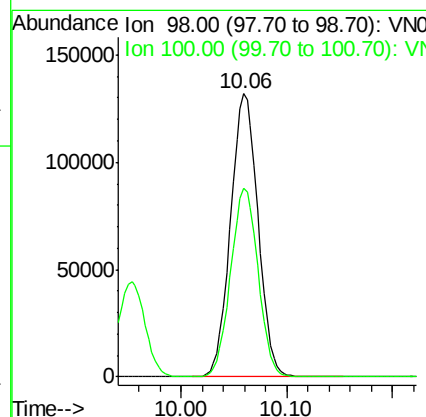
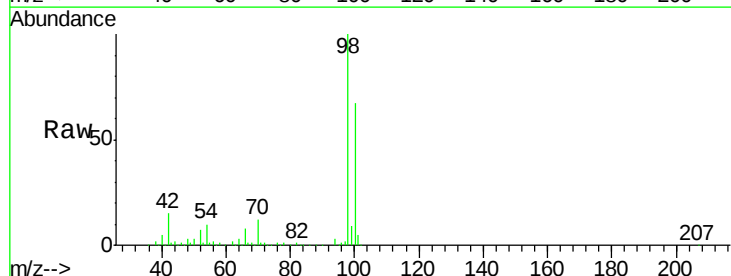
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#50
Toluene-d8
Concen: 48.053 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0





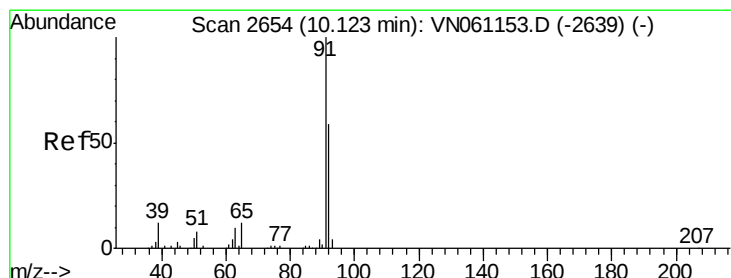
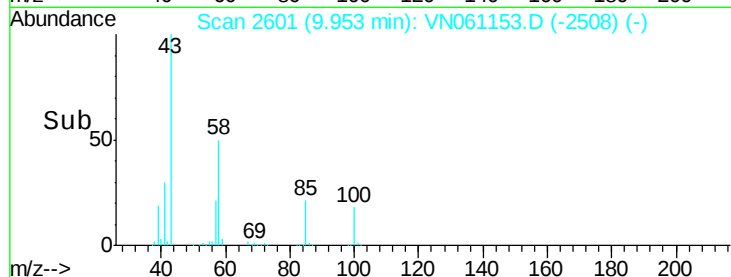
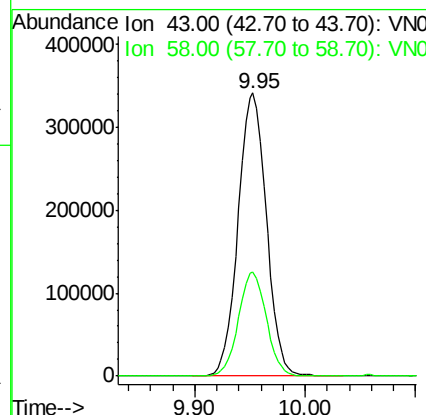
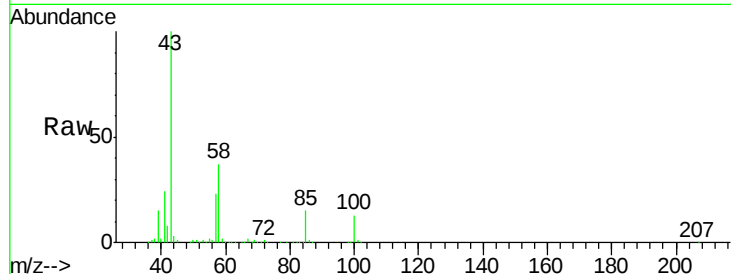
#51
4-Methyl-2-Pentanone
Concen: 298.724 ug/l
RT: 9.95 min Scan# 2601
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.1	43.7

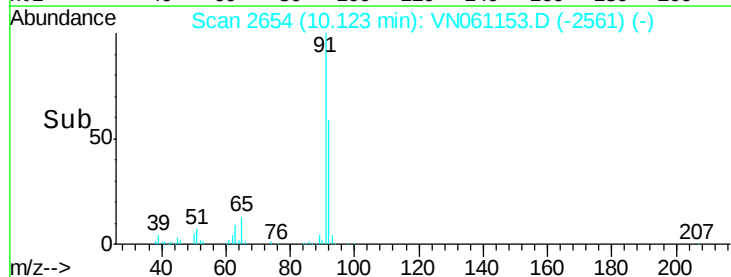
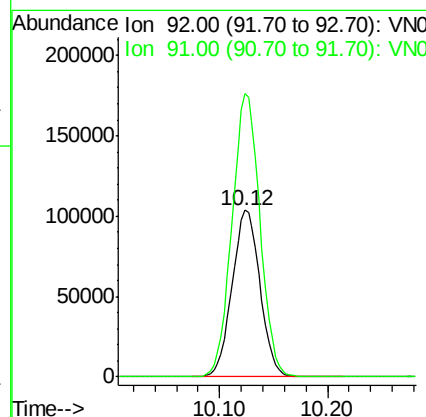
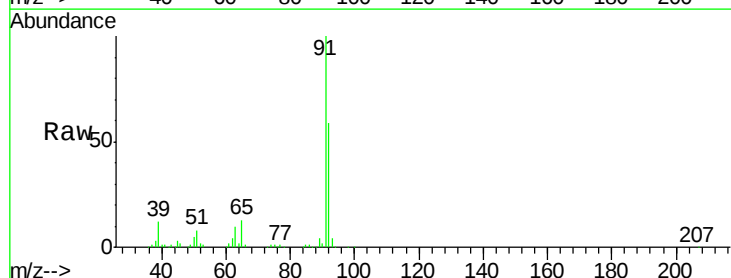
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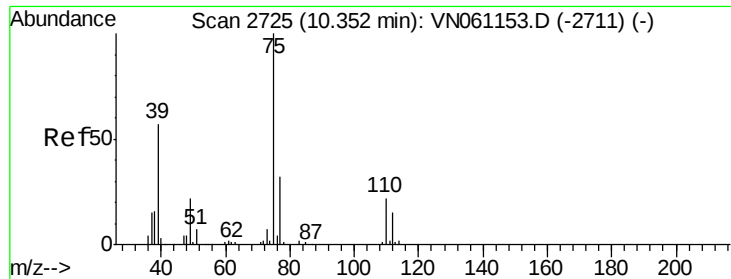
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#52
Toluene
Concen: 50.840 ug/l
RT: 10.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.2	204.2





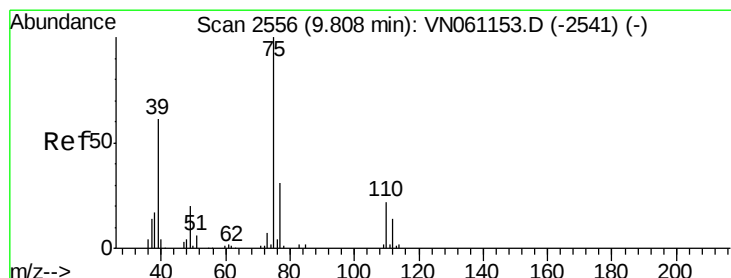
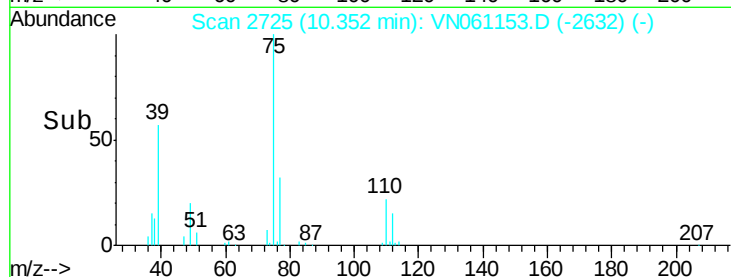
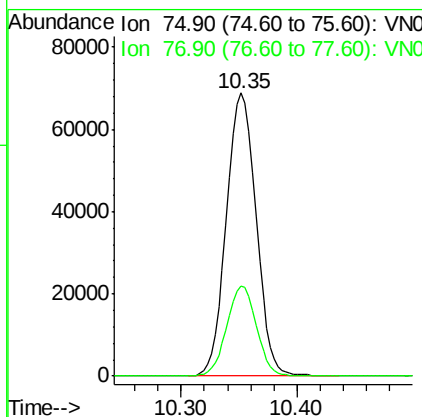
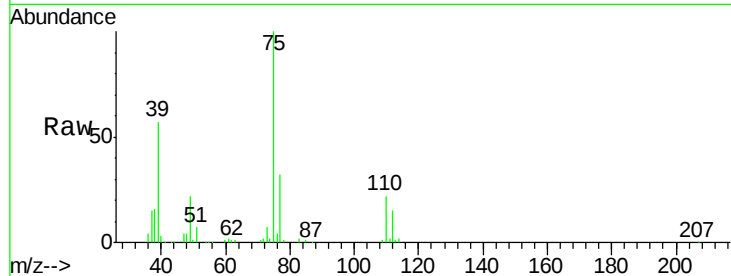
#53
t-1,3-Dichloropropene
Concen: 50.871 ug/l
RT: 10.35 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.5	38.3

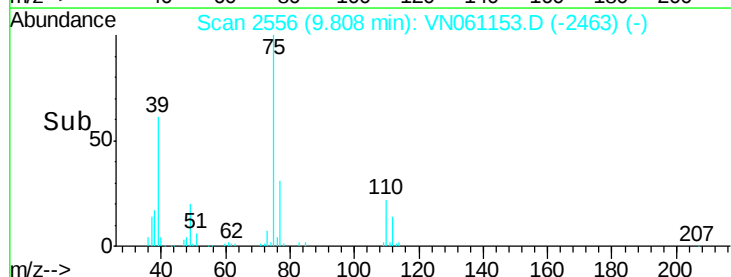
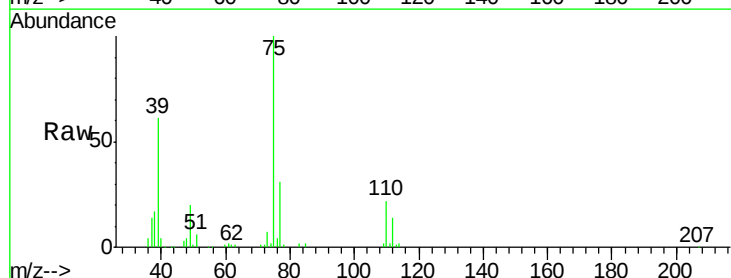
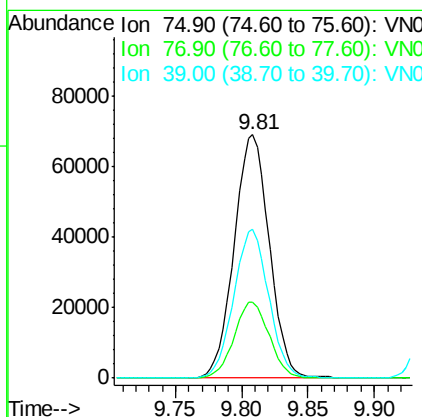
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#54
cis-1,3-Dichloropropene
Concen: 51.109 ug/l
RT: 9.81 min Scan# 2556
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.0	37.4
39	60.9	48.7	73.1





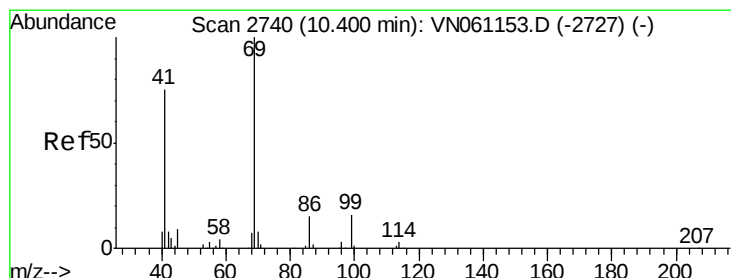
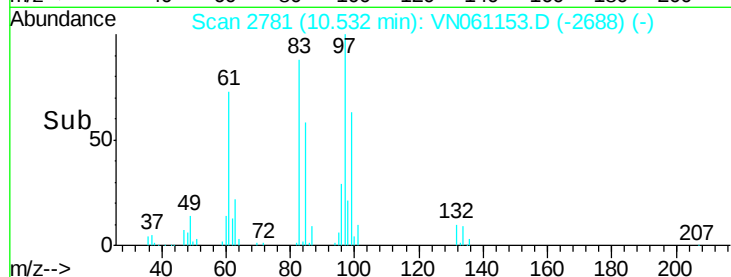
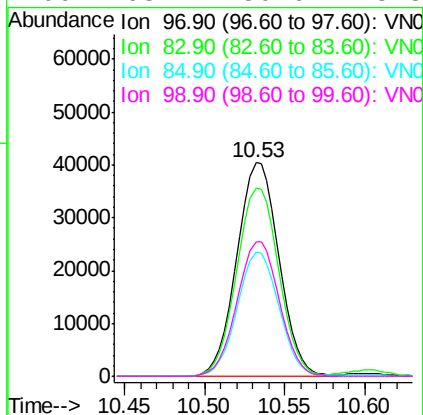
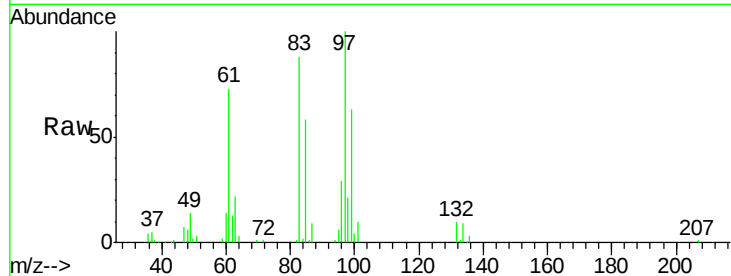
#55
 1,1,2-Trichloroethane
 Concen: 51.284 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	72724
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.6	106.0
85	58.0	46.4	69.6
99	63.2	50.6	75.8

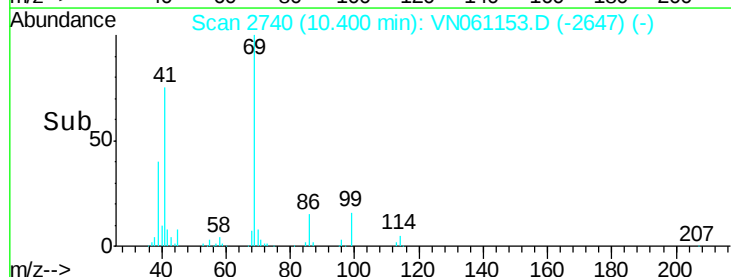
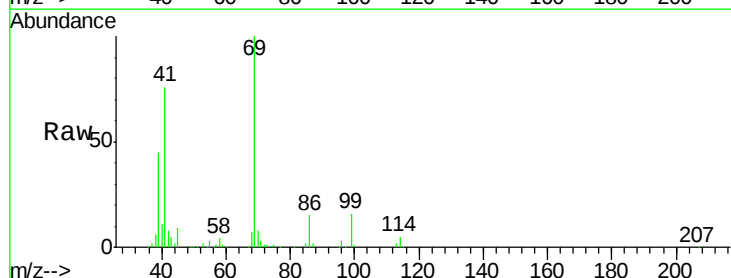
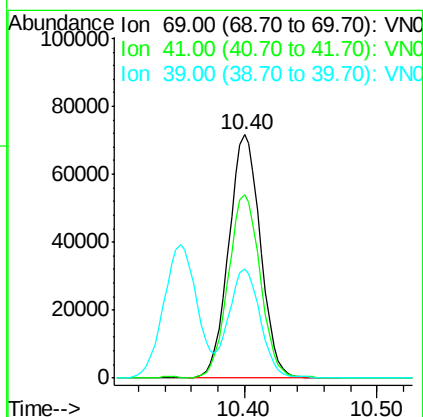
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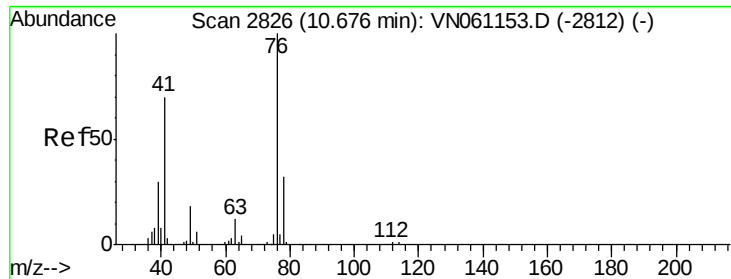
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#56
 Ethyl methacrylate
 Concen: 54.768 ug/l
 RT: 10.40 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion:	69	Resp:	118948
Ion	Ratio	Lower	Upper
69	100		
41	75.4	60.3	90.5
39	44.9	35.9	53.9





#57

1,3-Dichloropropane

Concen: 53.975 ug/l

RT: 10.68 min Scan# 2826

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 131348

Ion Ratio Lower Upper

76 100

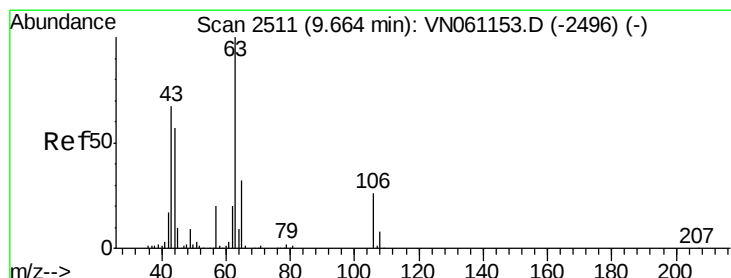
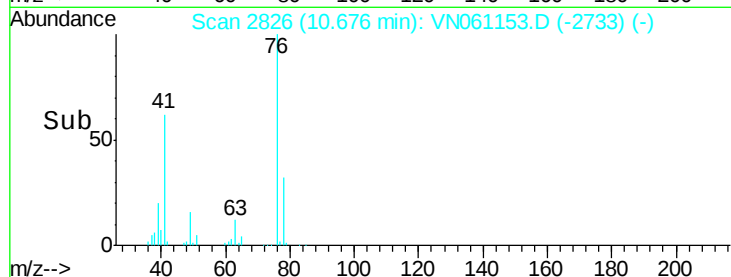
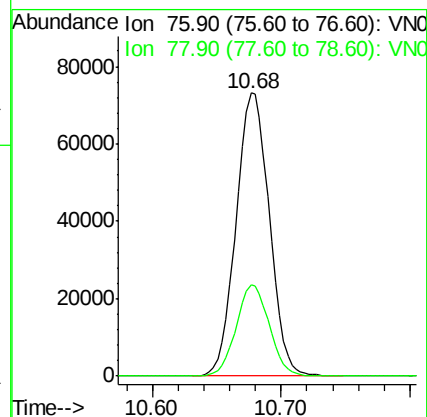
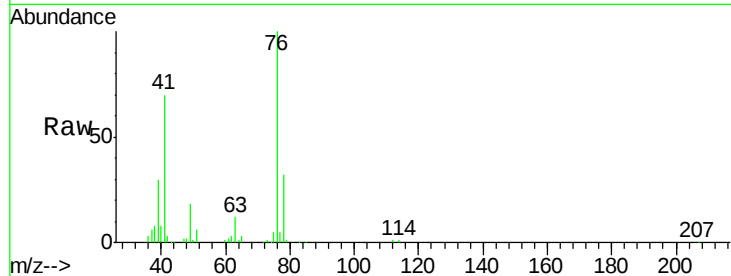
78 31.9 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 267.606 ug/l

RT: 9.66 min Scan# 2511

Delta R.T. 0.00 min

Lab File: VN061153.D

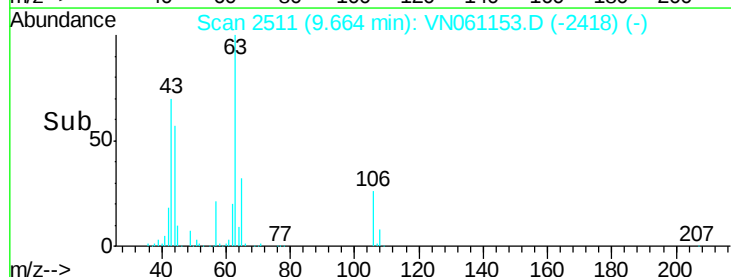
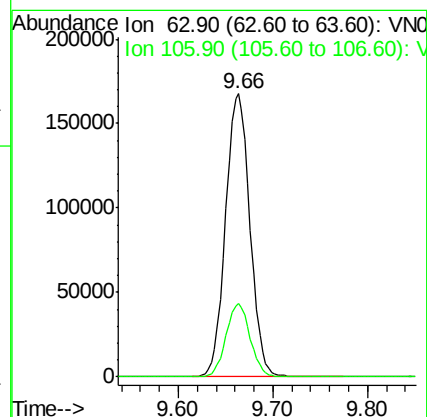
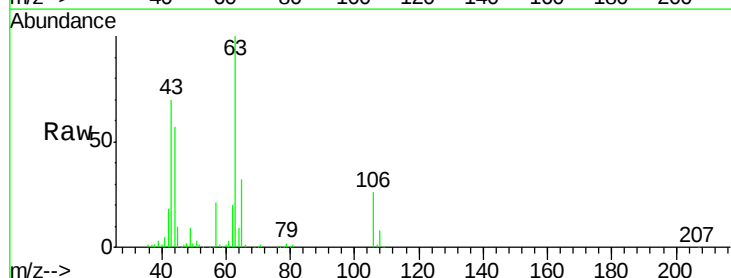
Acq: 27 Apr 2020 17:12

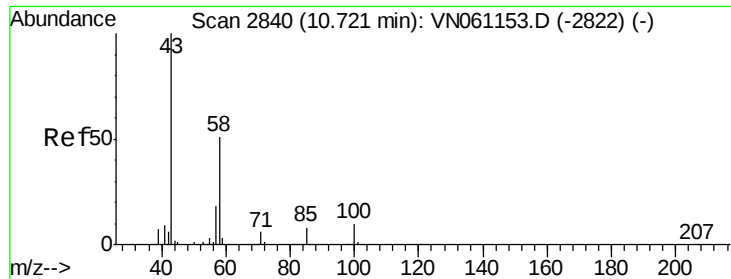
Tgt Ion: 63 Resp: 299828

Ion Ratio Lower Upper

63 100

106 25.7 20.6 30.8





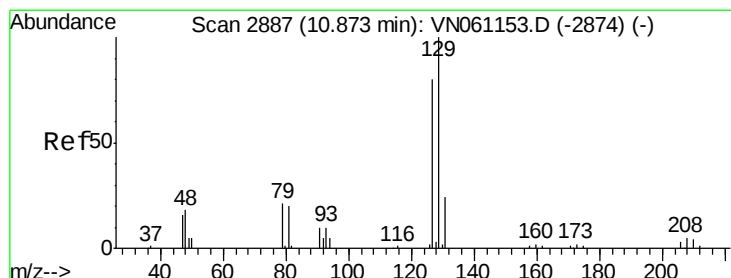
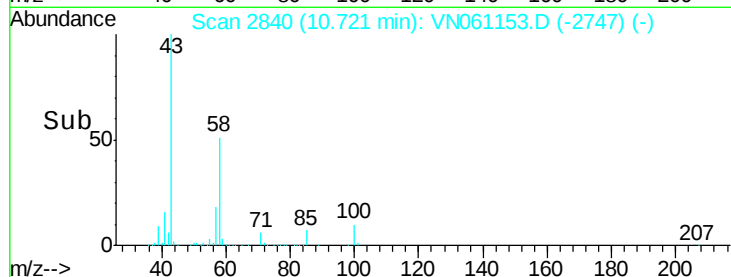
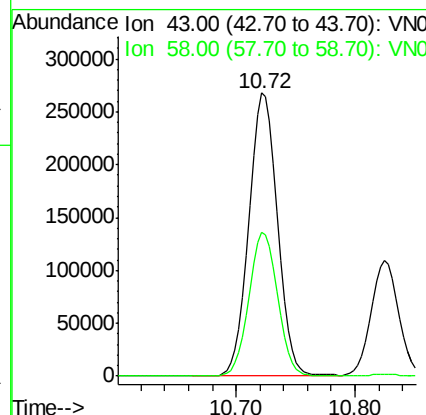
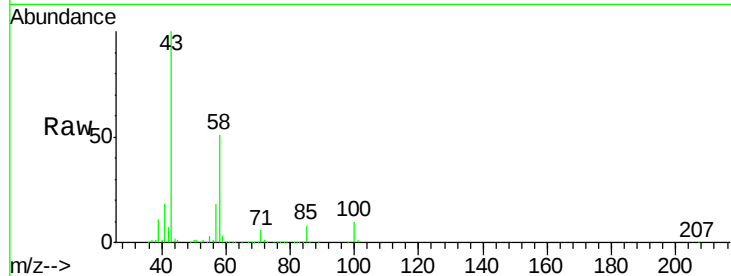
#59
2-Hexanone
Concen: 298.393 ug/l
RT: 10.72 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 446697
Ion Ratio Lower Upper
43 100
58 50.9 25.4 76.4

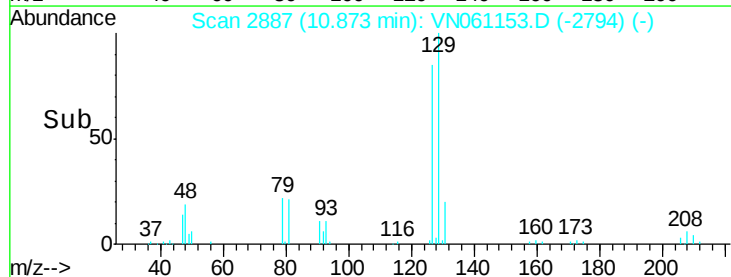
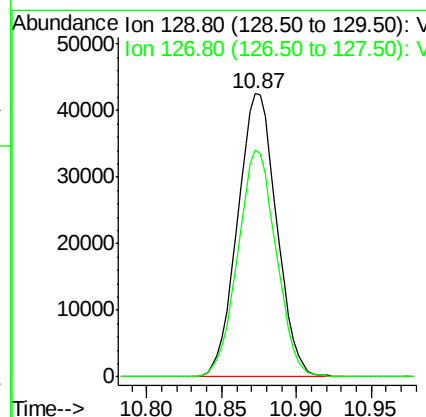
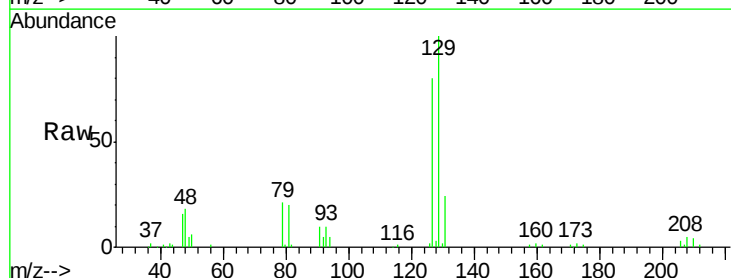
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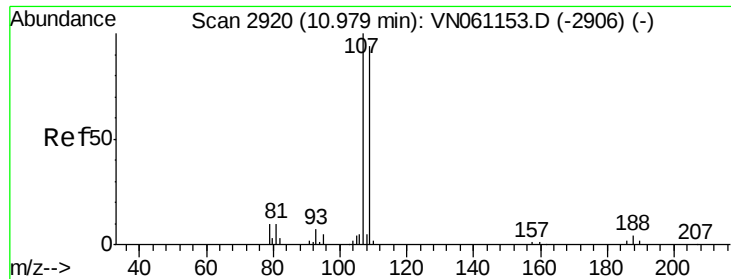
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#60
Dibromochloromethane
Concen: 52.220 ug/l
RT: 10.87 min Scan# 2887
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion: 129 Resp: 77408
Ion Ratio Lower Upper
129 100
127 78.5 39.3 117.8





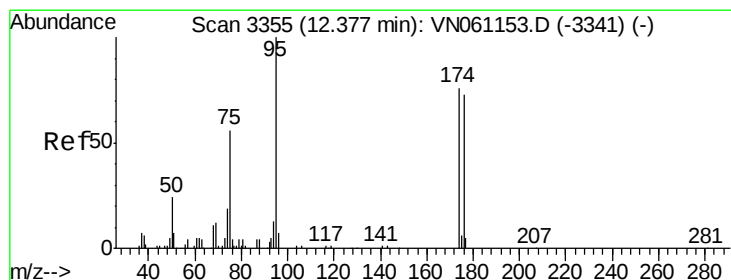
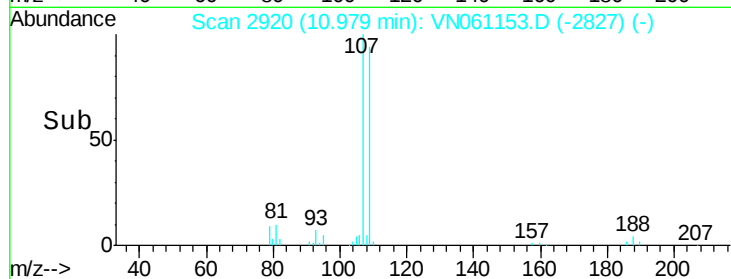
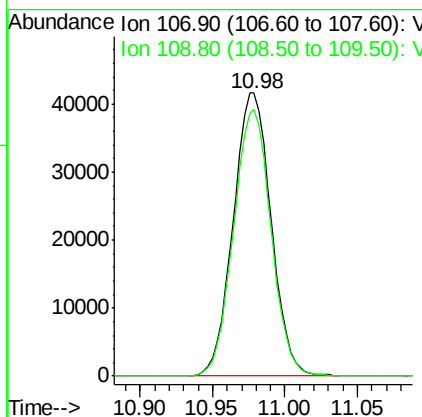
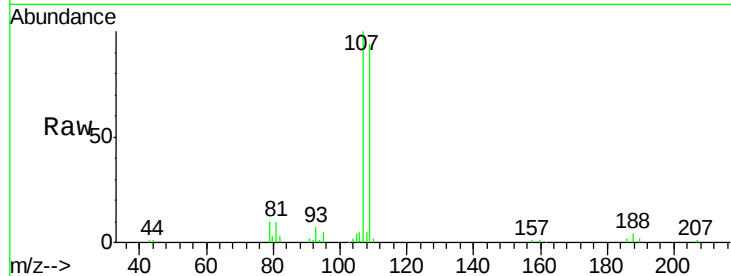
#61
 1,2-Dibromoethane
 Concen: 51.673 ug/l
 RT: 10.98 min Scan# 2920
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	74.8	112.2

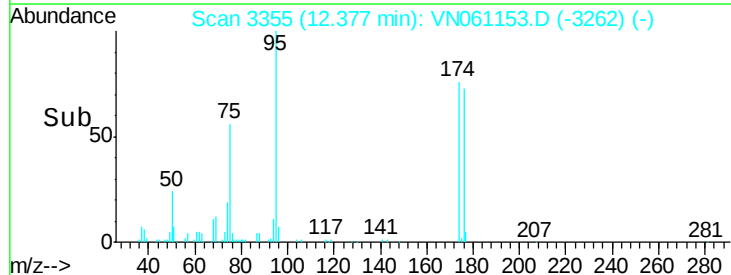
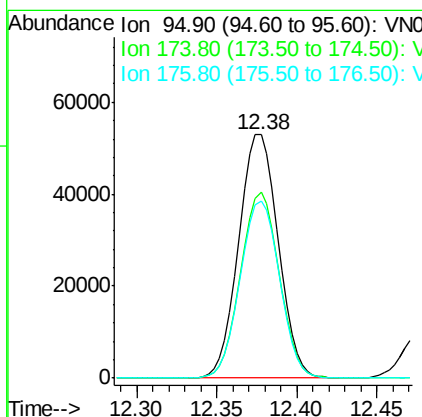
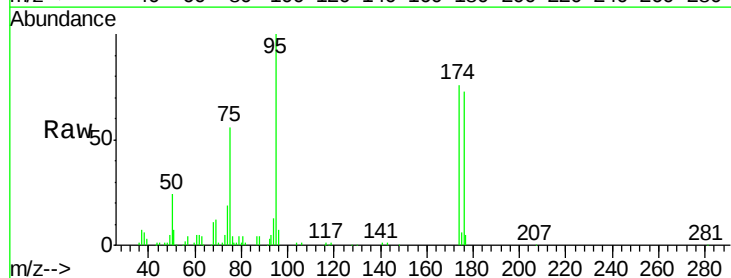
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 48.151 ug/l
 RT: 12.38 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	149.4
176	72.4	0.0	144.8





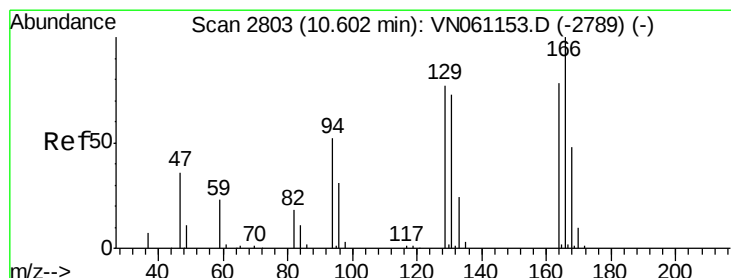
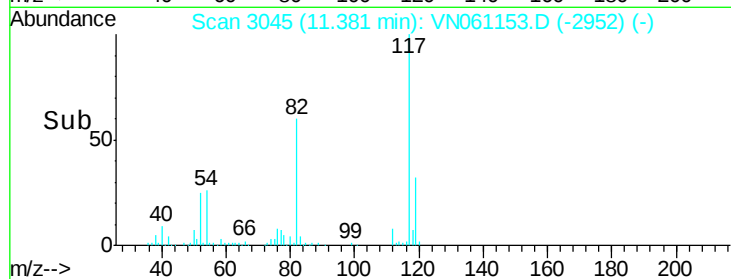
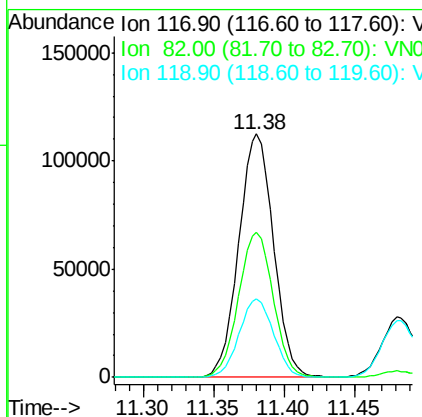
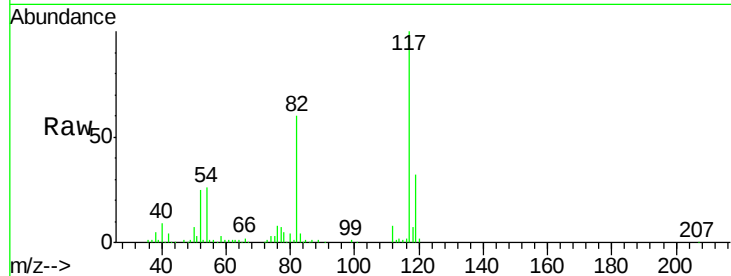
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	194558		
82	59.8	47.8	71.8	
119	32.2	25.8	38.6	

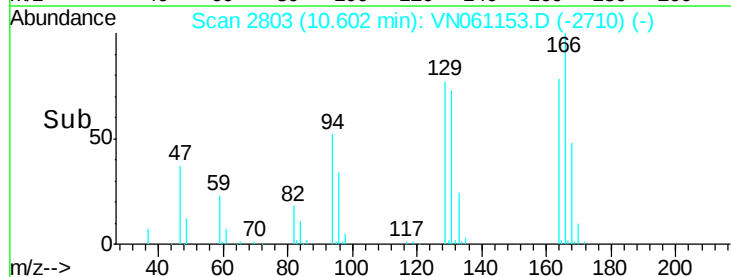
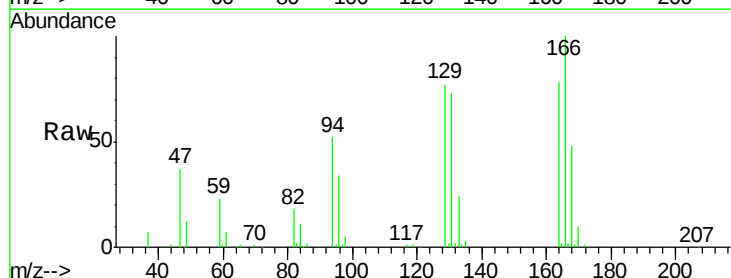
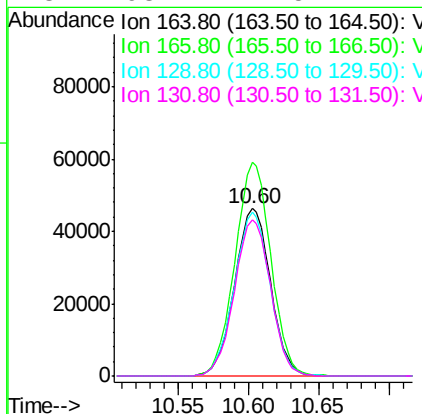
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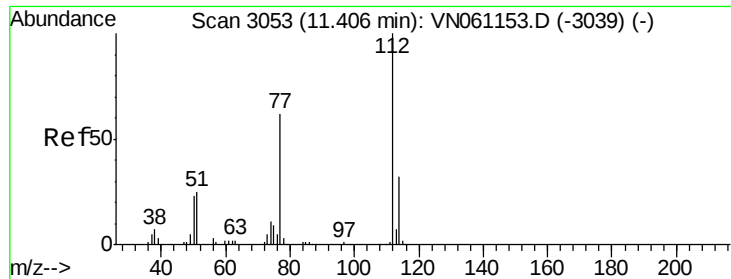
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#64
Tetrachloroethene
Concen: 42.812 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	83036		
166	127.5	102.0	153.0	
129	97.7	78.2	117.2	
131	93.1	74.5	111.7	





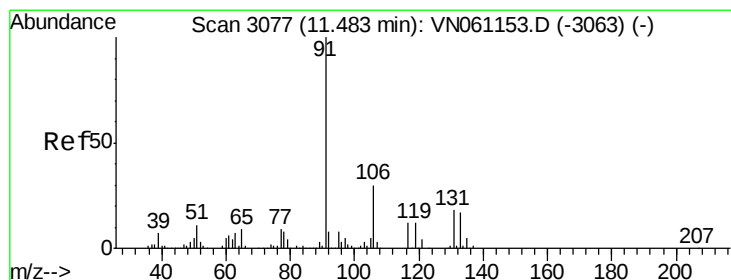
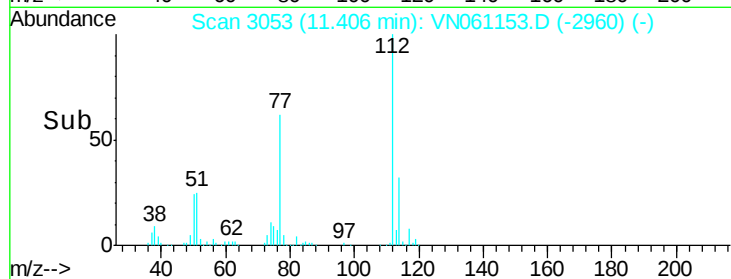
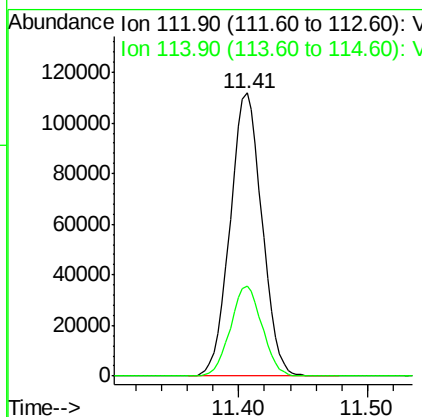
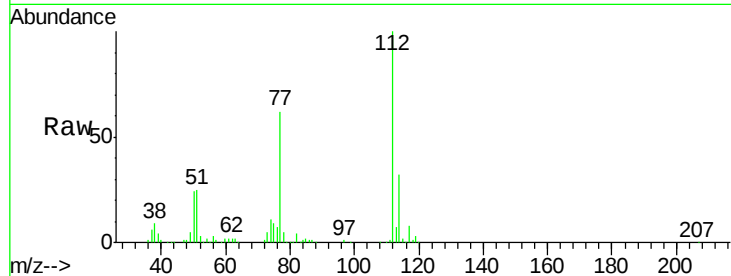
#65
Chlorobenzene
Concen: 48.920 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.4	38.2

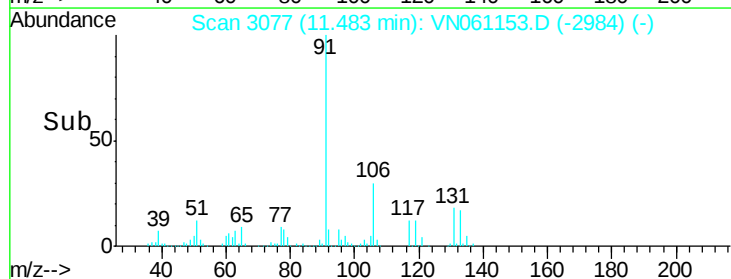
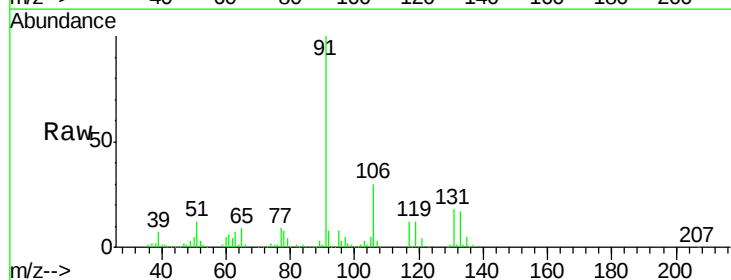
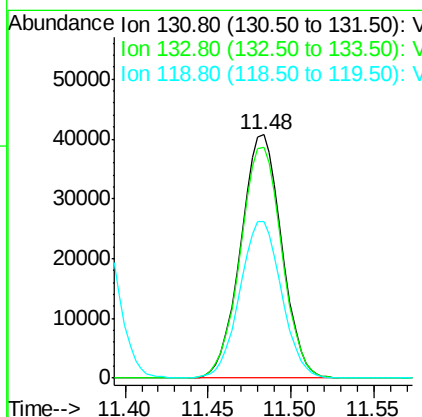
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.378 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.0	144.2
119	65.2	32.6	97.8





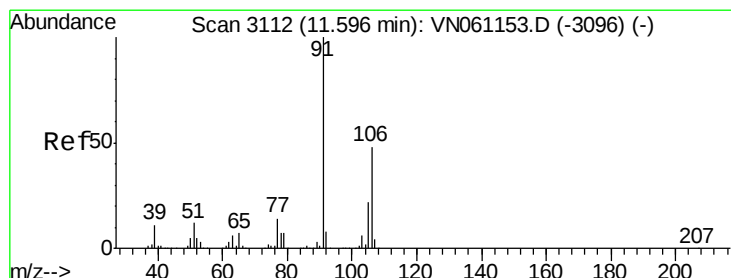
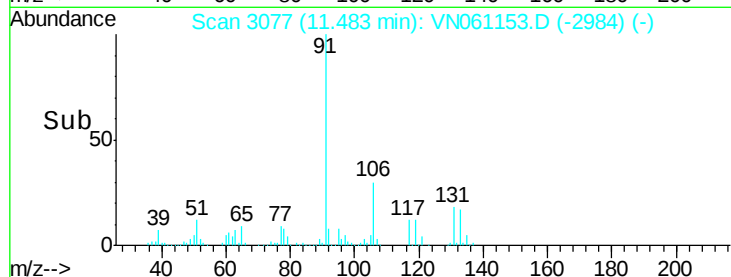
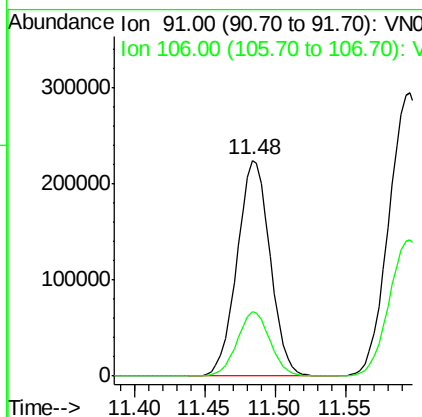
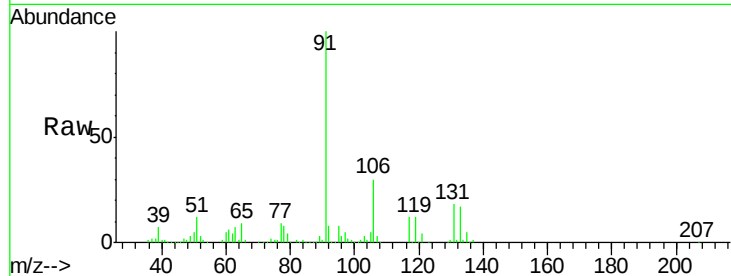
#67
Ethyl Benzene
Concen: 50.205 ug/l
RT: 11.48 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.7	23.8	35.6

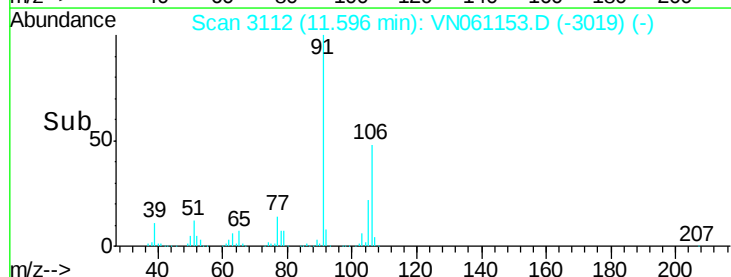
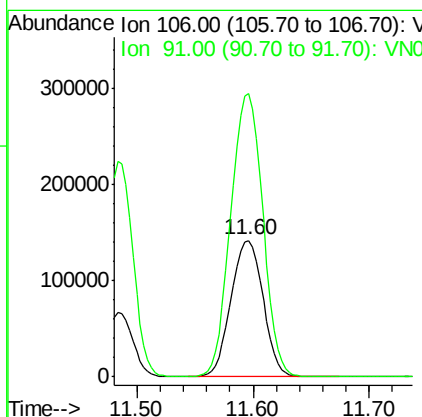
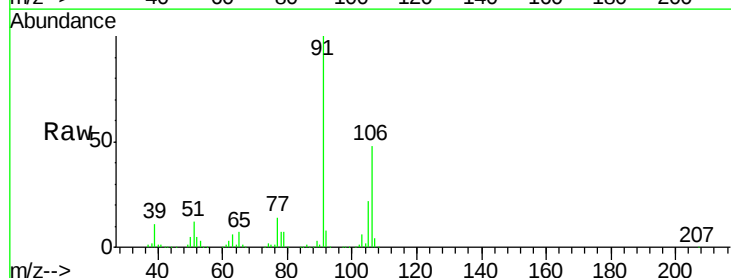
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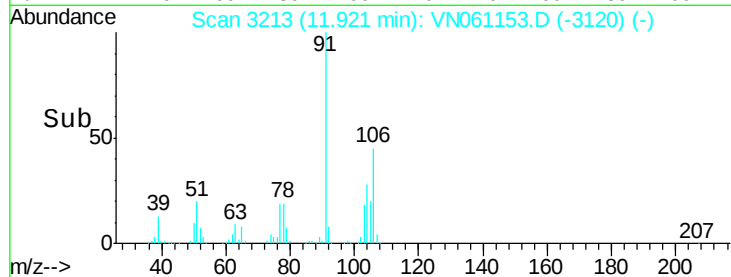
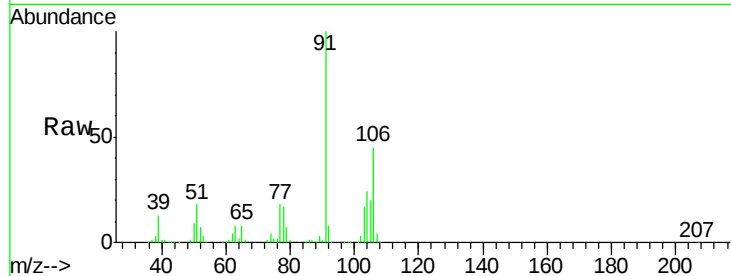
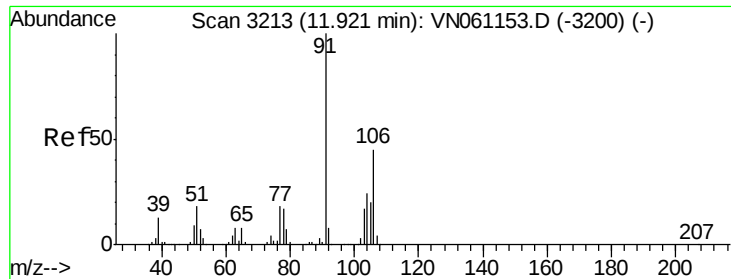
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#68
m/p-Xylenes
Concen: 99.606 ug/l
RT: 11.60 min Scan# 3112
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.0	166.4	249.6





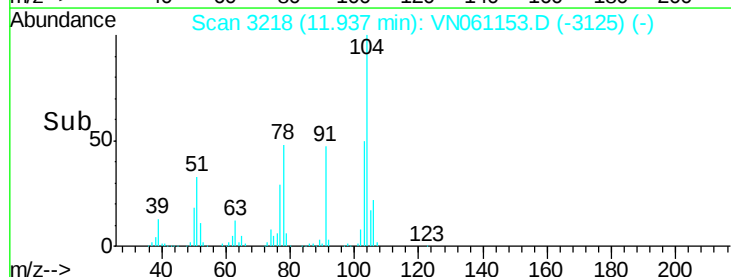
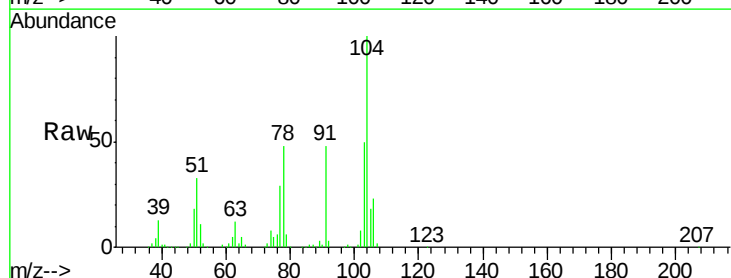
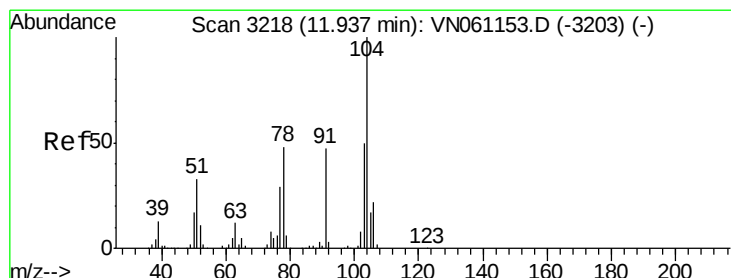
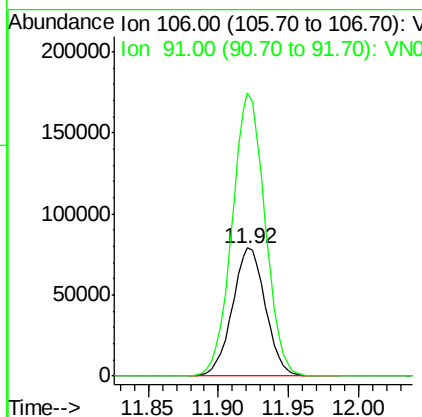
#69
o-Xylene
Concen: 49.310 ug/l
RT: 11.92 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	129983		
91	91	219.3	109.7	329.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

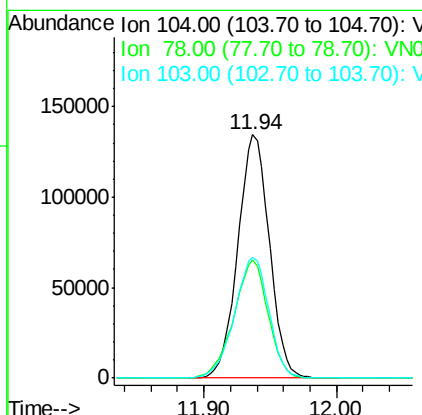
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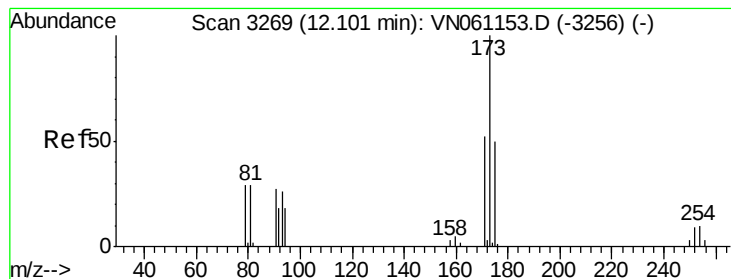
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#70
Styrene
Concen: 51.931 ug/l
RT: 11.94 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	222486		
78	78	52.6	42.1	63.1	
103	103	54.1	43.3	64.9	





#71

Bromoform

Concen: 51.085 ug/l

RT: 12.10 min Scan# 3269

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 53311

Ion Ratio Lower Upper

173 100

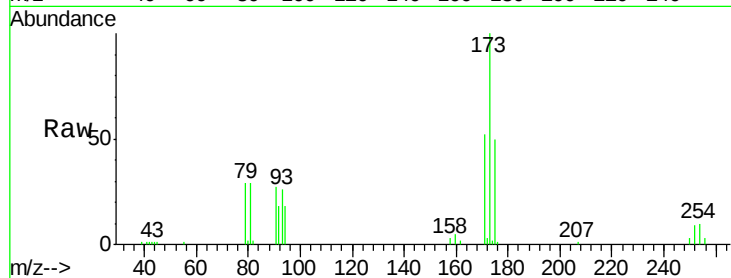
175 48.3 24.1 72.4

254 0.0 0.0 0.0

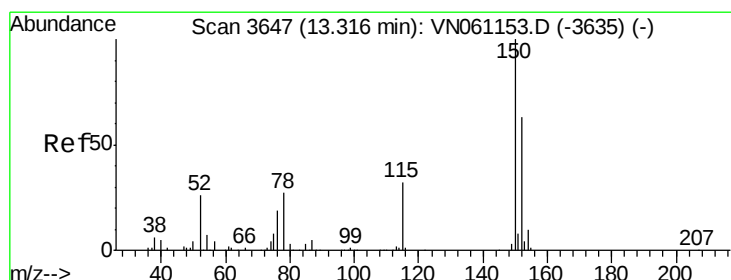
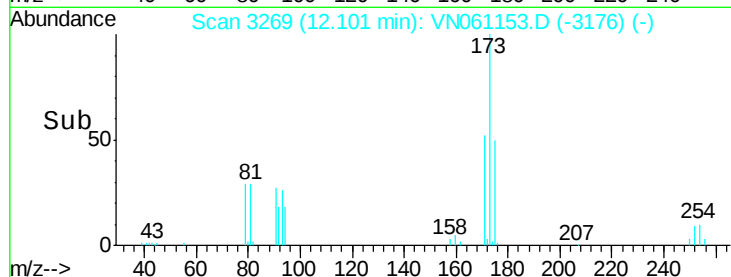
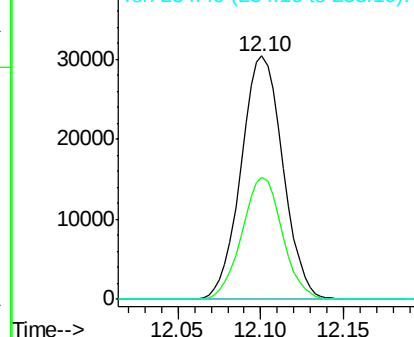
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3647

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

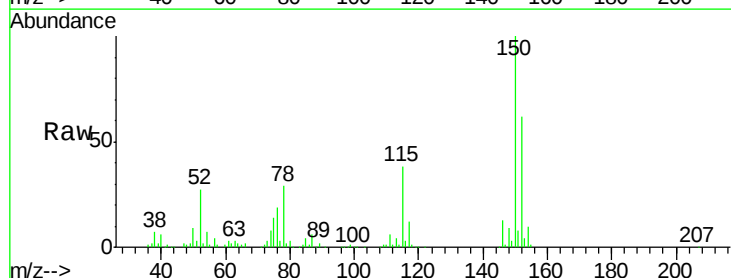
Tgt Ion:152 Resp: 95782

Ion Ratio Lower Upper

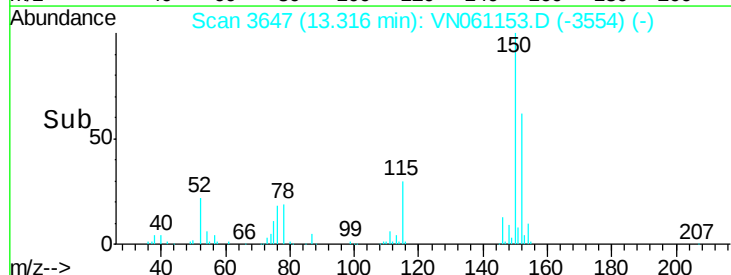
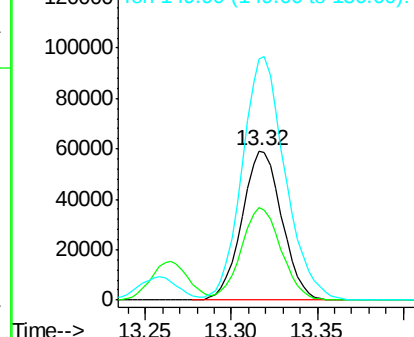
152 100

115 62.0 31.0 93.0

150 175.9 0.0 351.8



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: 49.076 ug/l

RT: 12.22 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 353305

Ion Ratio Lower Upper

105 100

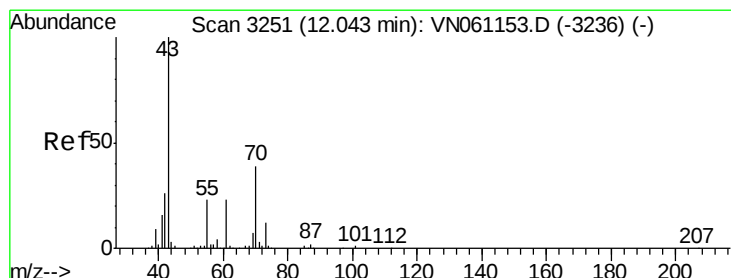
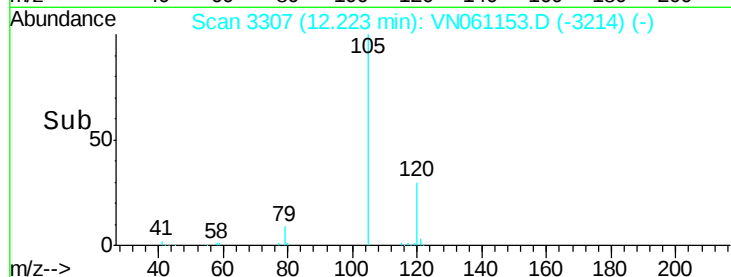
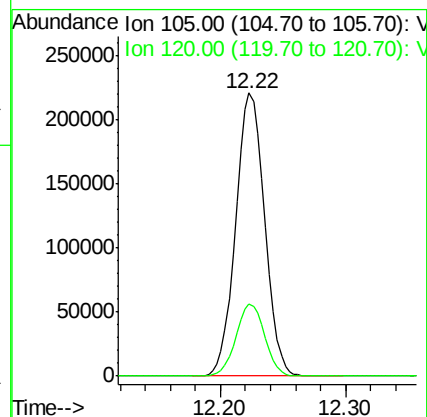
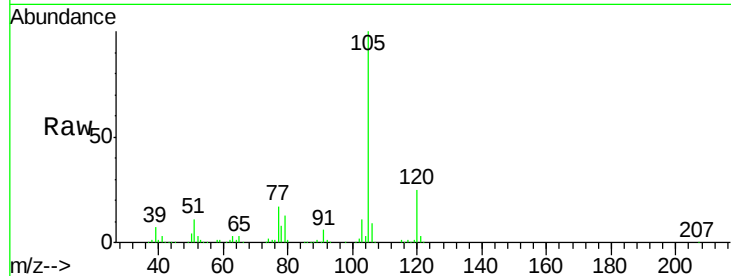
120 25.2 12.6 37.8

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#74

N-ethyl acetate

Concen: 54.914 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Tgt Ion: 43 Resp: 181296

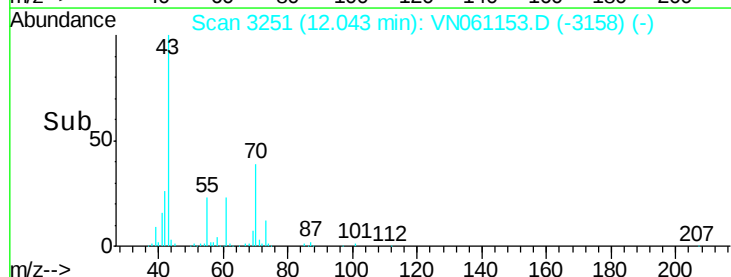
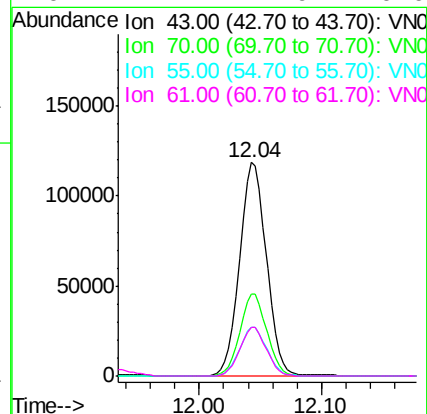
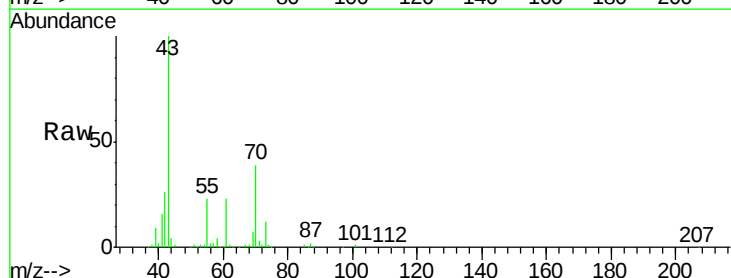
Ion Ratio Lower Upper

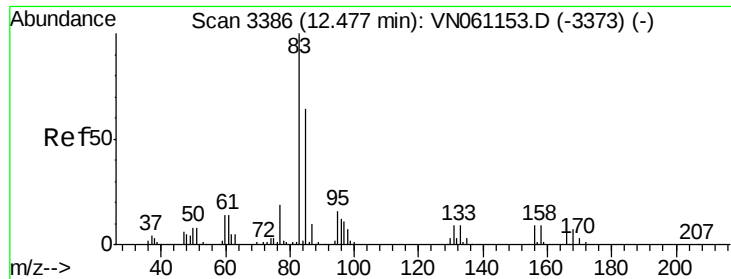
43 100

70 38.3 30.6 46.0

55 23.1 18.5 27.7

61 22.4 17.9 26.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.068 ug/l

RT: 12.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

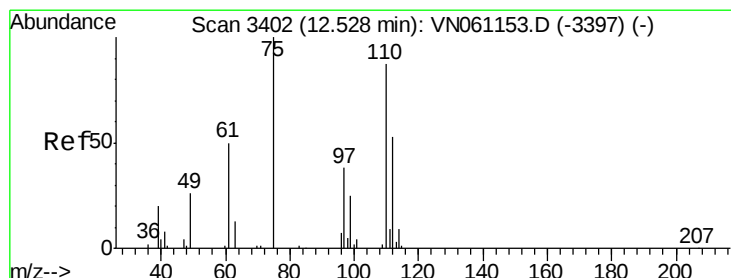
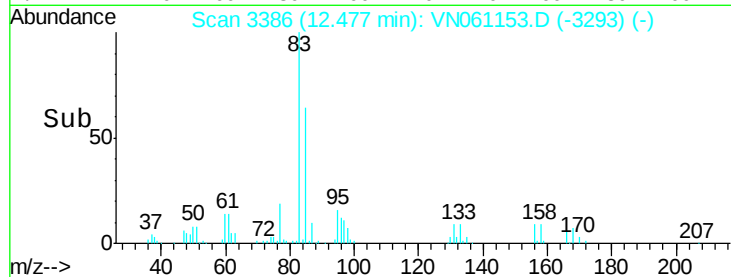
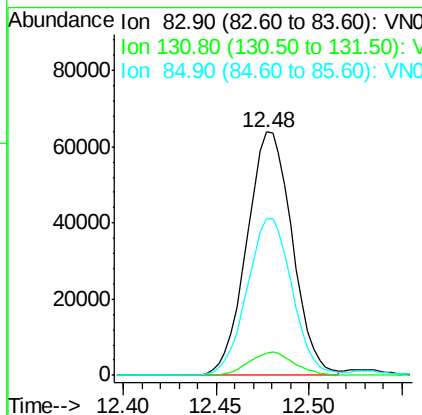
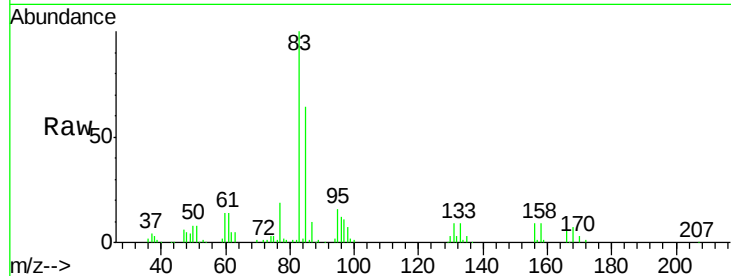
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	108740
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.8	14.3
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 45.584 ug/l m

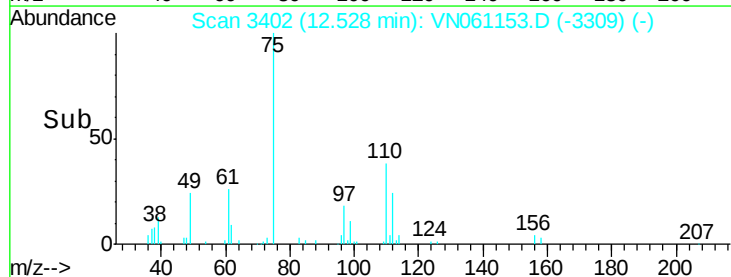
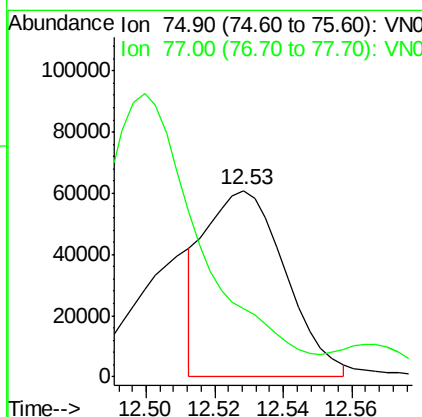
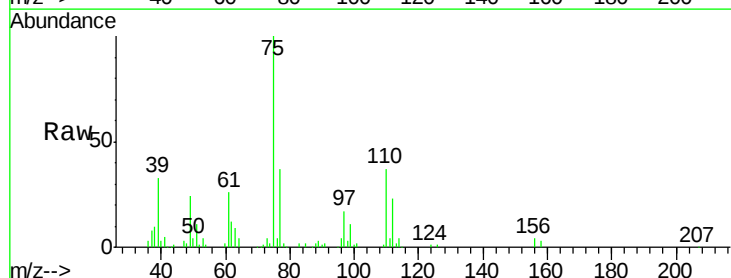
RT: 12.53 min Scan# 3402

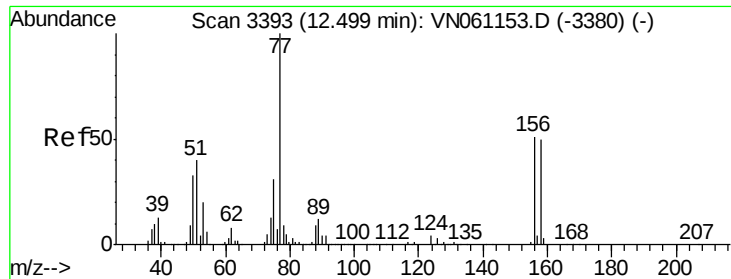
Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Tgt Ion:	75	Resp:	98811
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.660 ug/l

RT: 12.50 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:156 Resp: 81044

Ion Ratio Lower Upper

156 100

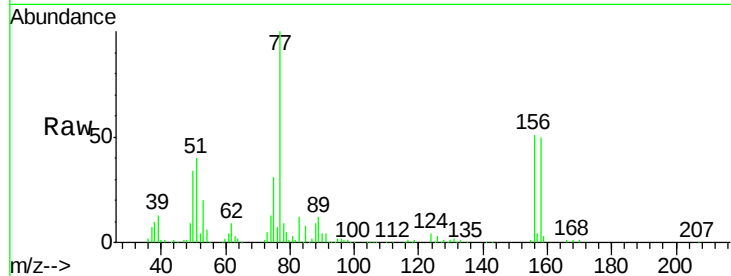
77 234.8 117.4 352.2

158 96.7 48.4 145.0

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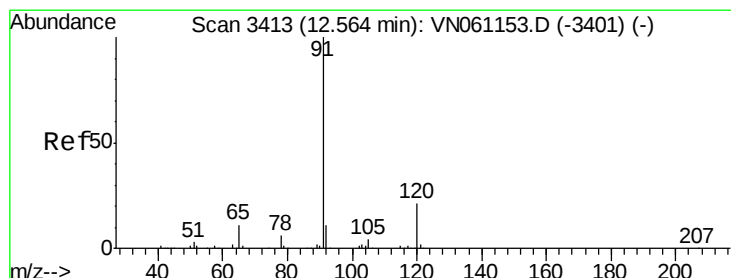
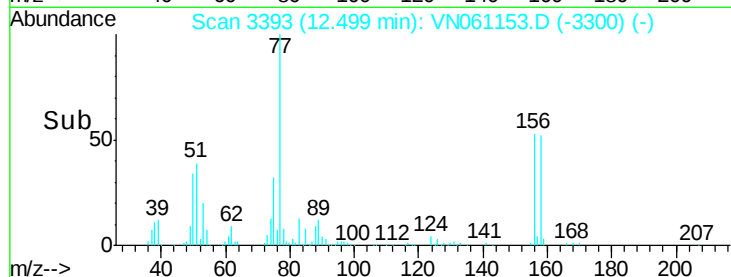
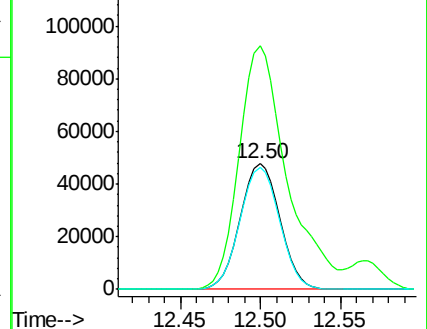
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.102 ug/l

RT: 12.56 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061153.D

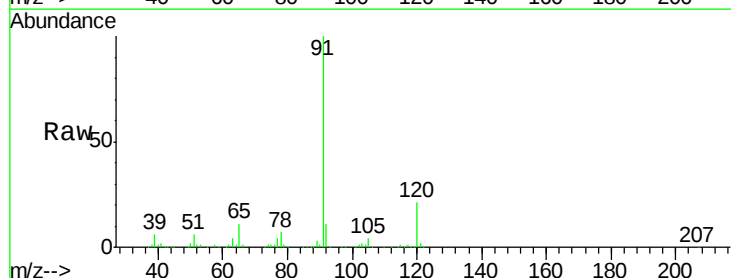
Acq: 27 Apr 2020 17:12

Tgt Ion: 91 Resp: 424106

Ion Ratio Lower Upper

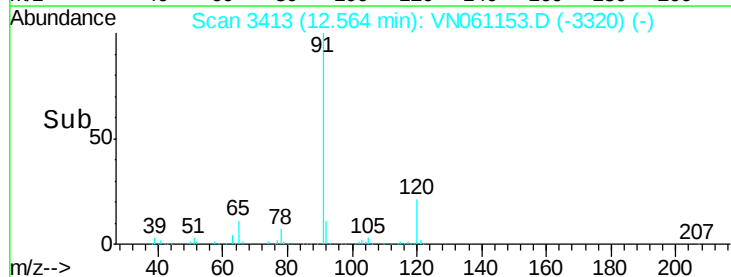
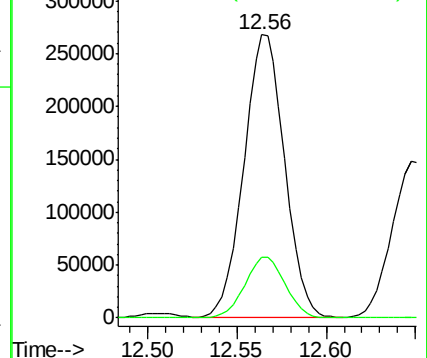
91 100

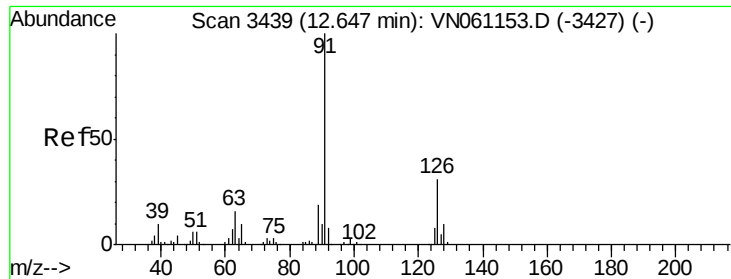
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





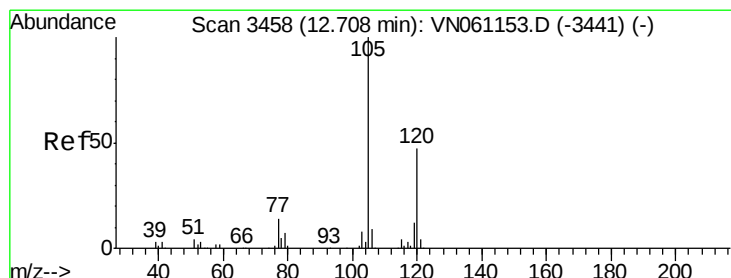
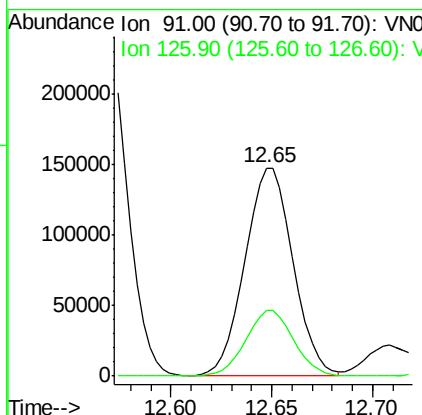
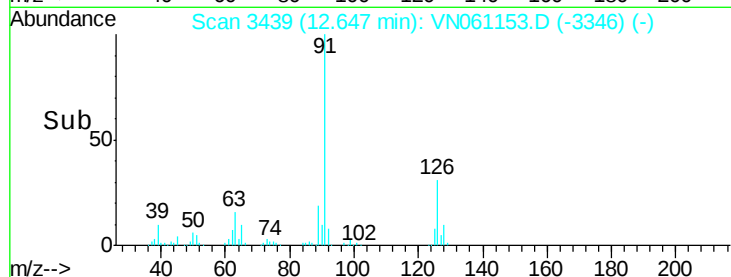
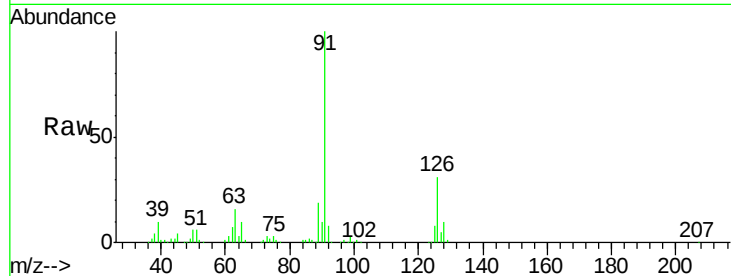
#79
2-Chlorotoluene
Concen: 49.719 ug/l
RT: 12.65 min Scan# 3439
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 244542
Ion Ratio Lower Upper
91 100
126 31.8 15.9 47.7

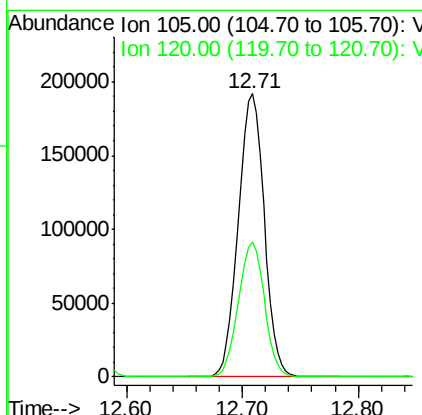
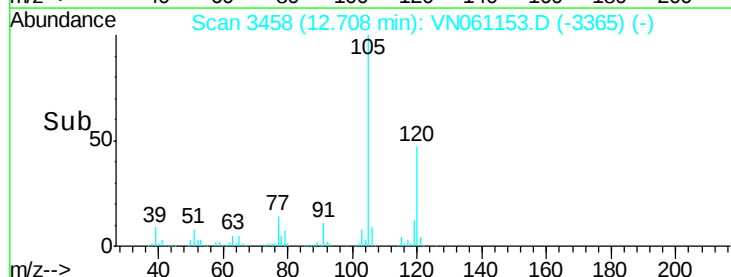
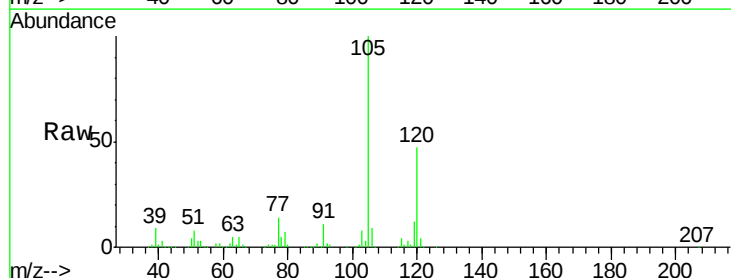
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#80
1,3,5-Trimethylbenzene
Concen: 49.183 ug/l
RT: 12.71 min Scan# 3458
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion: 105 Resp: 298048
Ion Ratio Lower Upper
105 100
120 47.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 47.740 ug/l

RT: 12.27 min Scan# 3323

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 39478

Ion Ratio Lower Upper

75 100

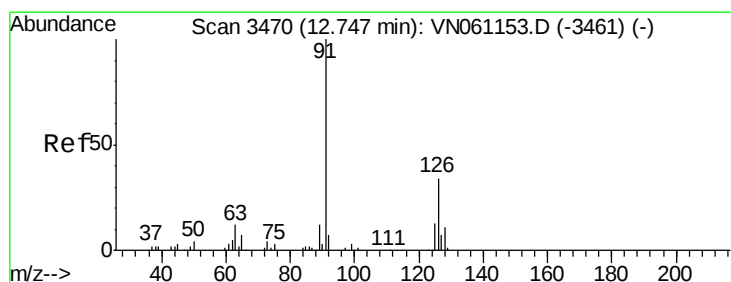
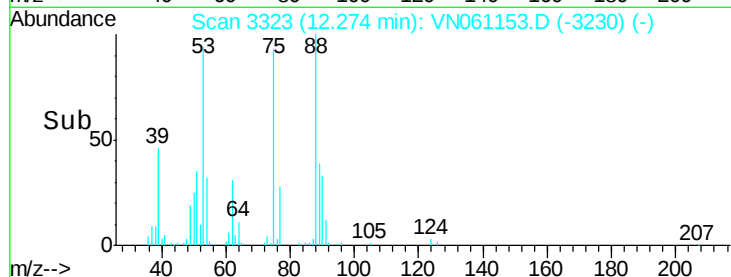
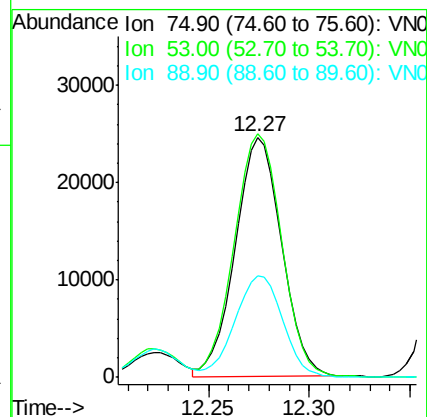
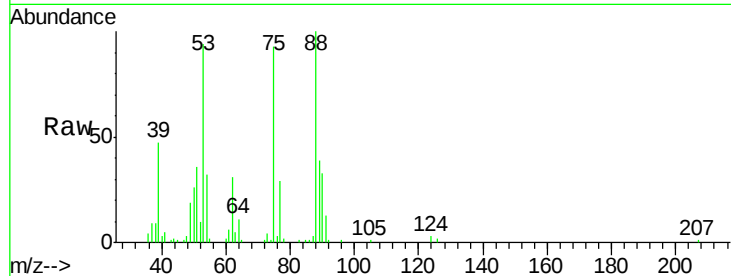
53 105.1 84.1 126.1

89 44.0 35.2 52.8

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#82

4-Chlorotoluene

Concen: 49.519 ug/l

RT: 12.75 min Scan# 3470

Delta R.T. 0.00 min

Lab File: VN061153.D

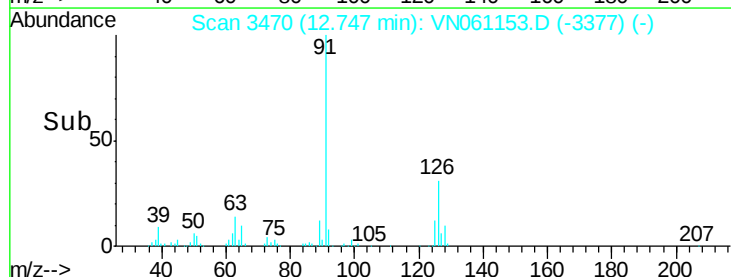
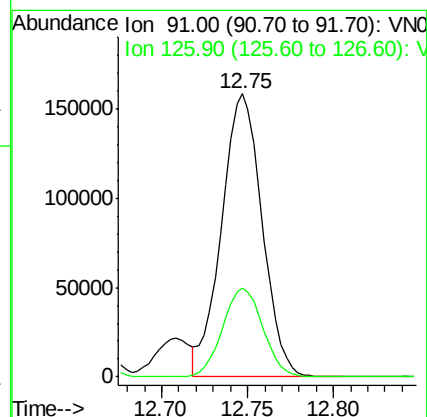
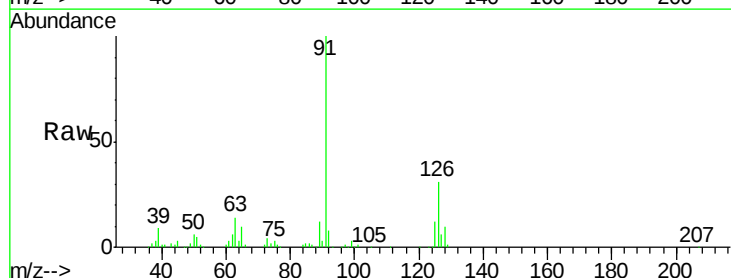
Acq: 27 Apr 2020 17:12

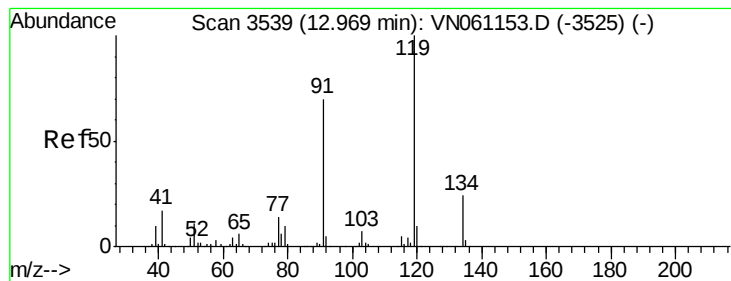
Tgt Ion: 91 Resp: 258798

Ion Ratio Lower Upper

91 100

126 31.4 15.7 47.1





#83

tert-Butylbenzene

Concen: 49.330 ug/l

RT: 12.97 min Scan# 3539

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

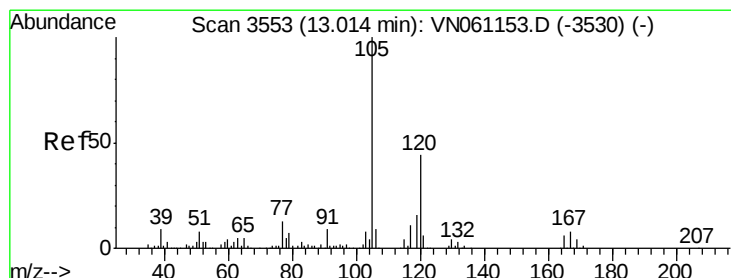
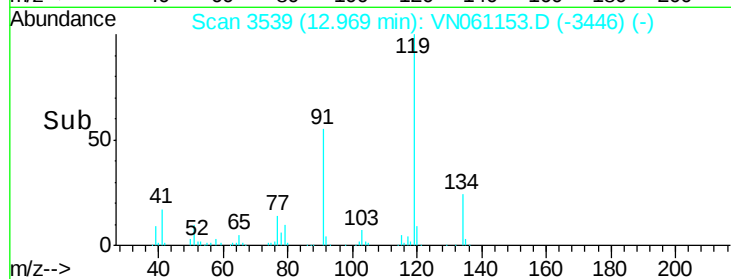
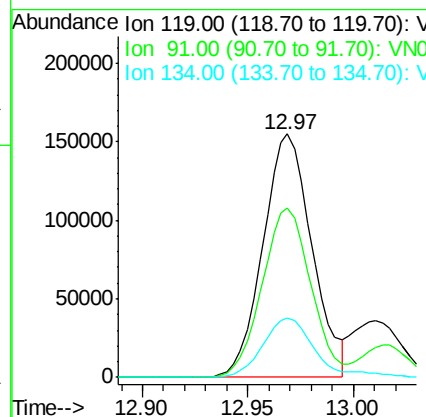
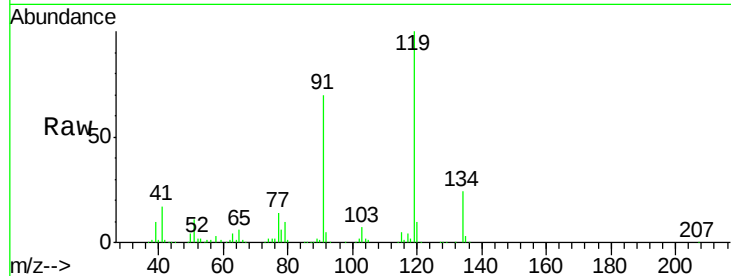
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	250742
Ion Ratio	Lower	Upper	
119	100		
91	69.6	34.8	104.4
134	25.8	12.9	38.7

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#84

1,2,4-Trimethylbenzene

Concen: 50.077 ug/l

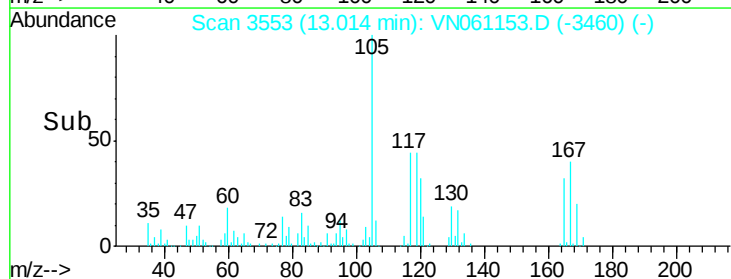
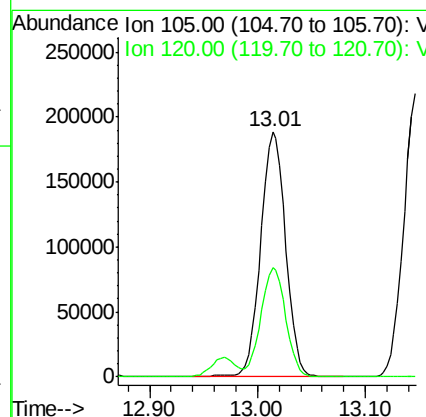
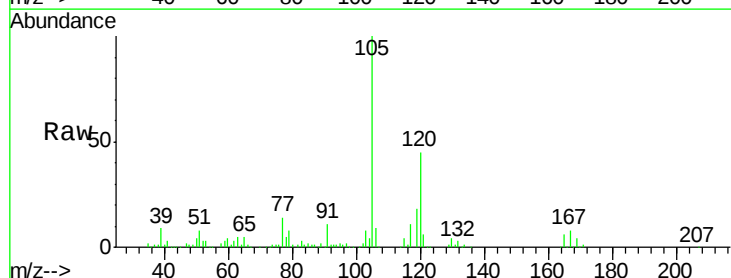
RT: 13.01 min Scan# 3553

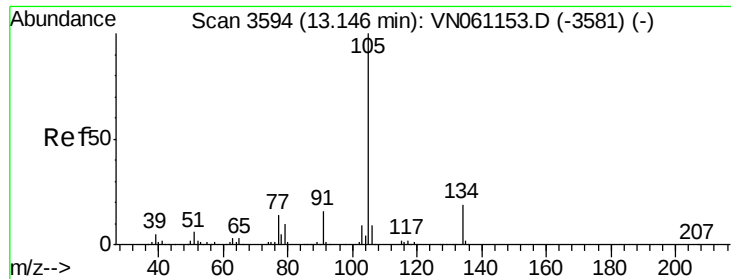
Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Tgt Ion:	105	Resp:	303187
Ion Ratio	Lower	Upper	
105	100		
120	44.4	22.2	66.6





#85

sec-Butylbenzene

Concen: 49.905 ug/l

RT: 13.15 min Scan# 3594

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 344351

Ion Ratio Lower Upper

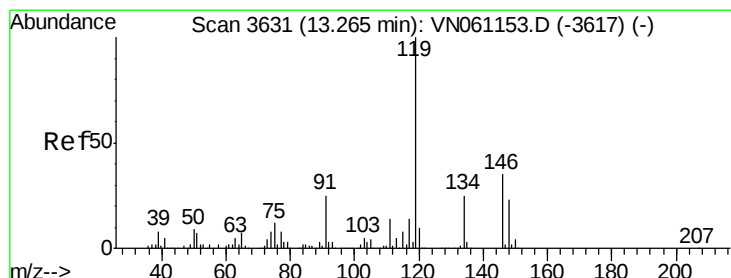
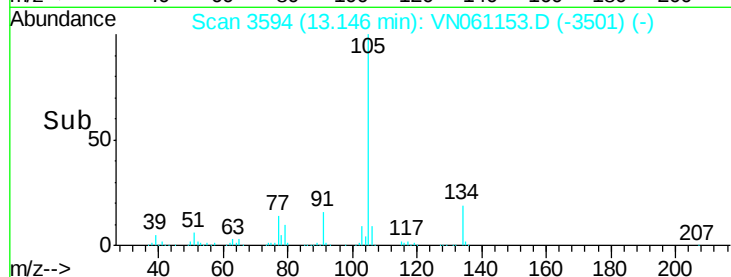
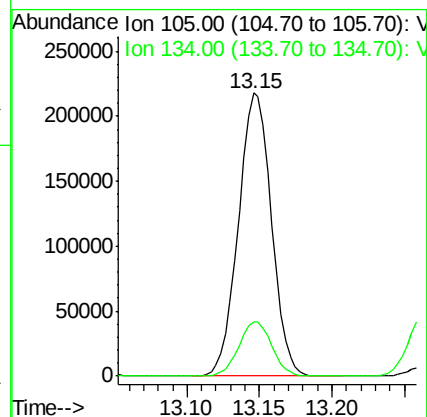
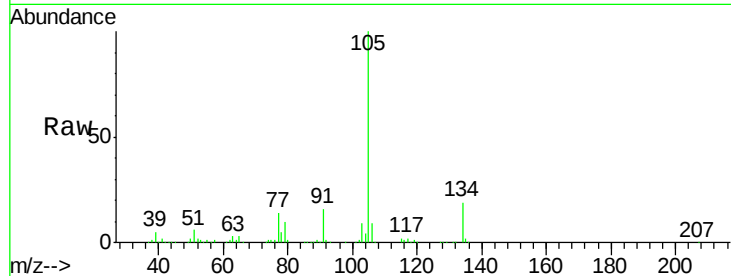
105 100

134 19.2 9.6 28.8

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#86

p-Isopropyltoluene

Concen: 49.493 ug/l

RT: 13.26 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

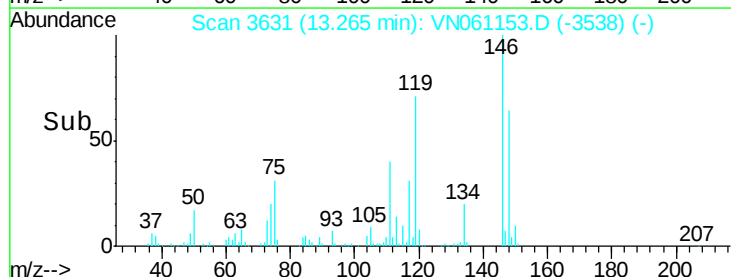
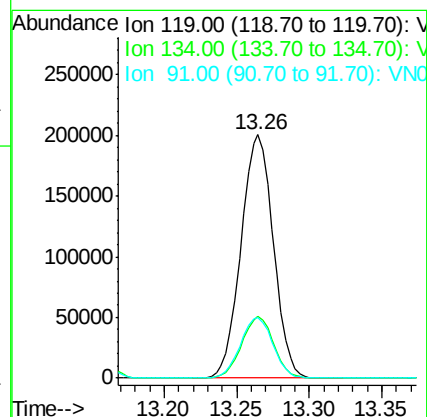
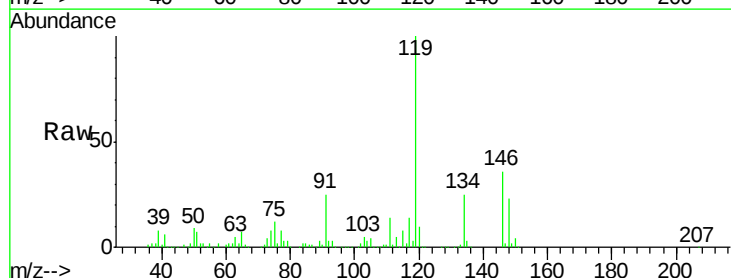
Tgt Ion:119 Resp: 309599

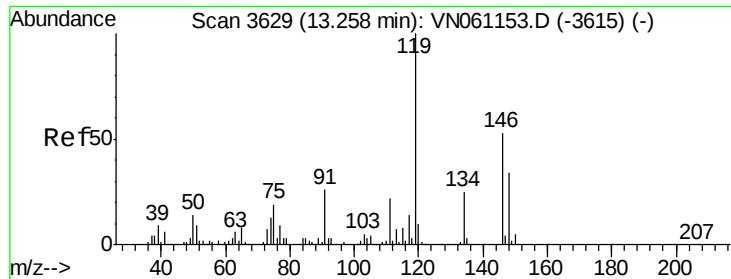
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.6

91 25.3 12.7 38.0





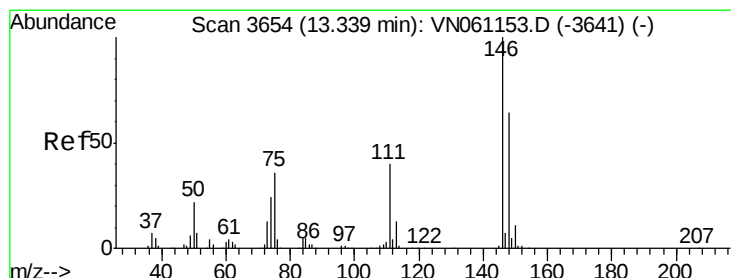
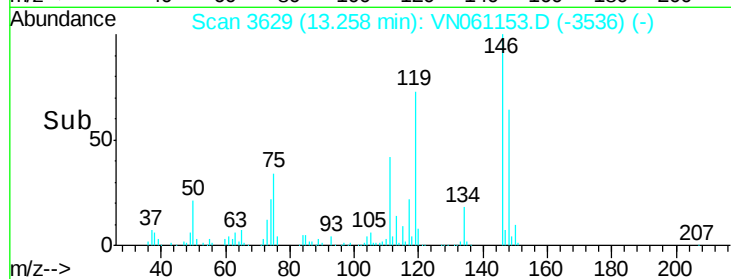
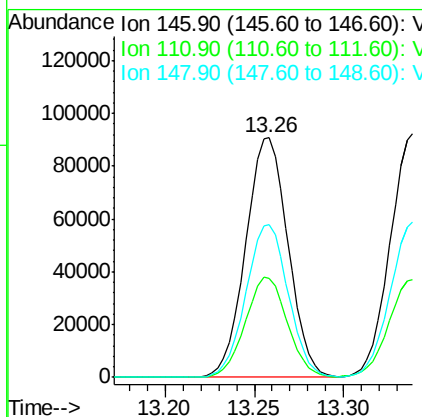
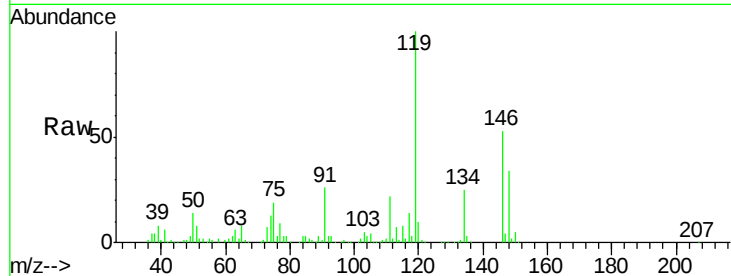
#87
 1,3-Dichlorobenzene
 Concen: 48.576 ug/l
 RT: 13.26 min Scan# 3629
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	63.5	31.8	95.3

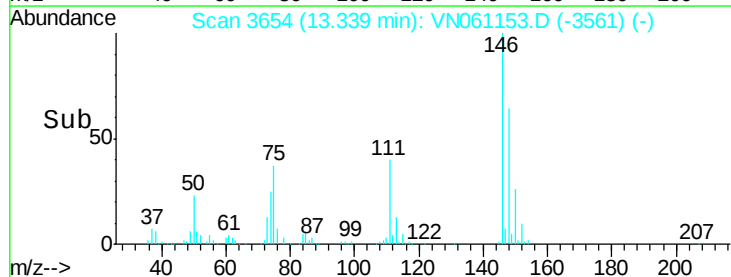
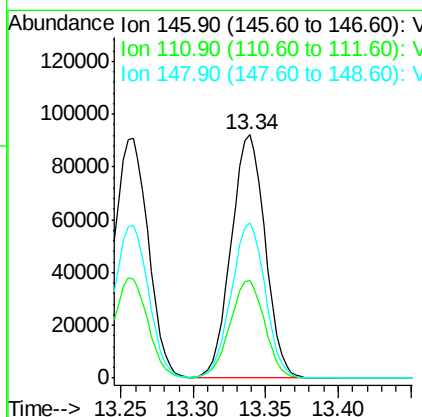
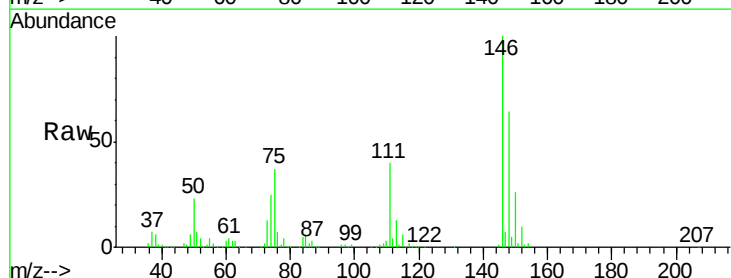
Manual Integrations
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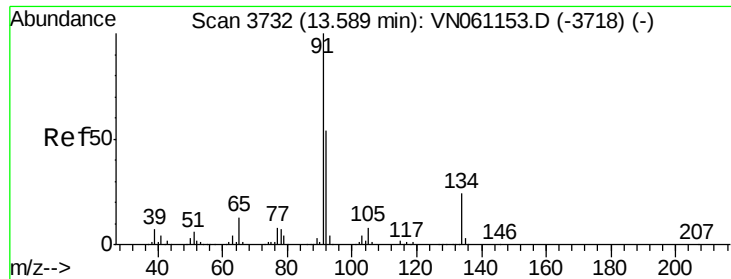
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#88
 1,4-Dichlorobenzene
 Concen: 47.791 ug/l
 RT: 13.34 min Scan# 3654
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.4	61.3
148	63.8	31.9	95.7





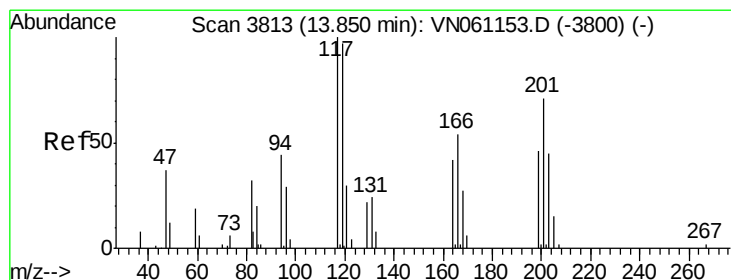
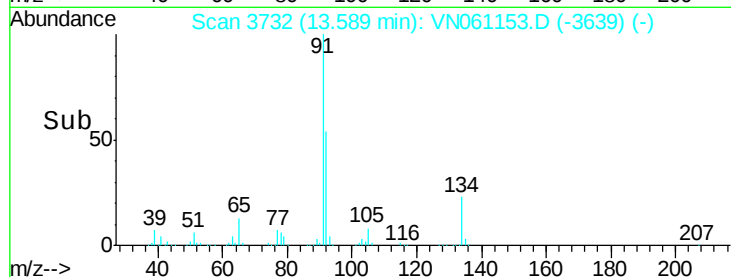
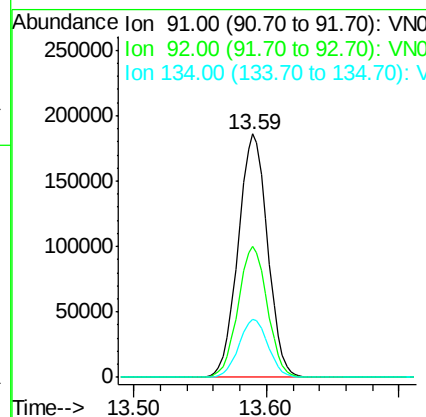
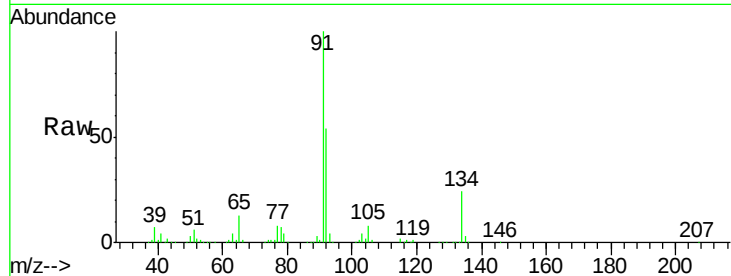
#89
n-Butylbenzene
Concen: 50.156 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286411		
92	53.5	26.8	80.3	
134	23.7	11.9	35.5	

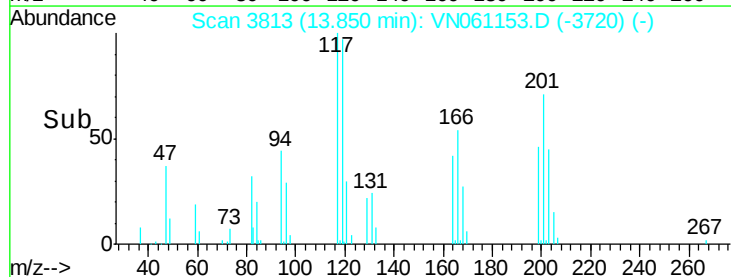
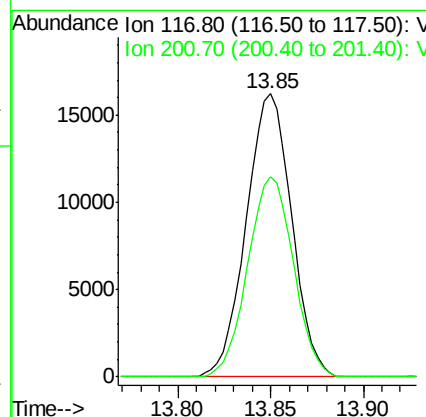
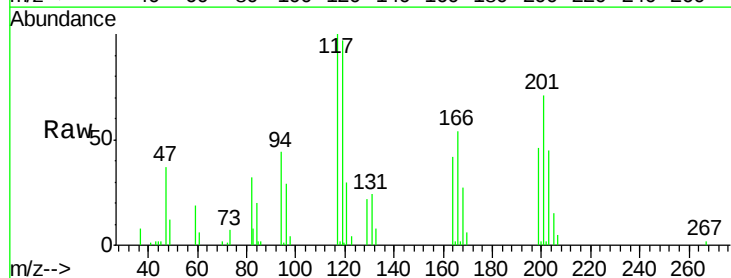
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#90
Hexachloroethane
Concen: 54.685 ug/l
RT: 13.85 min Scan# 3813
Delta R.T. 0.00 min
Lab File: VN061153.D
Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	27607		
201	71.1	35.5	106.7	





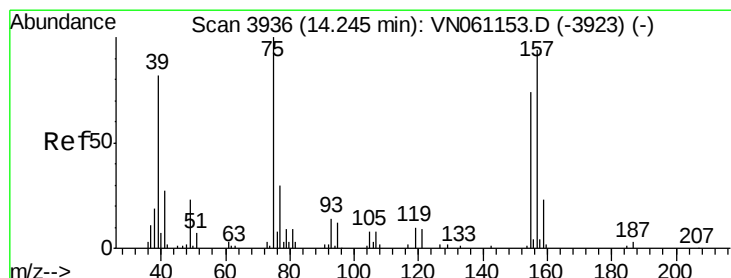
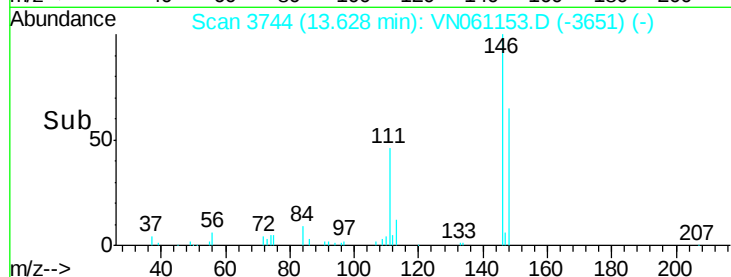
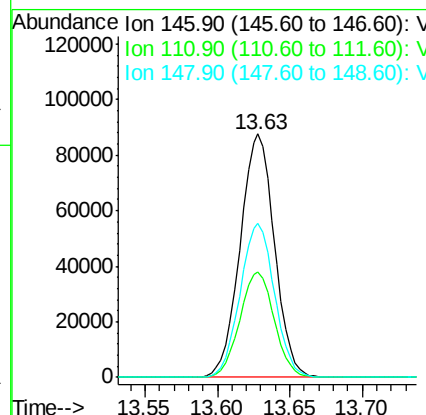
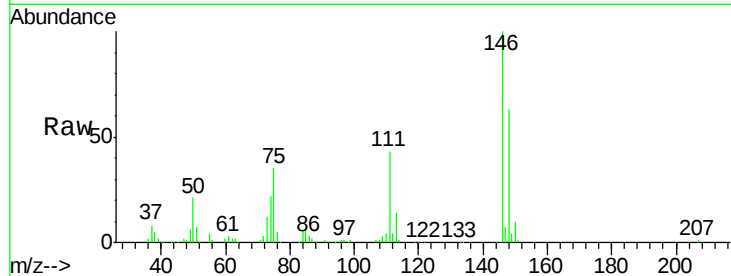
#91
 1,2-Dichlorobenzene
 Concen: 49.746 ug/l
 RT: 13.63 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	63.3	31.6	95.0

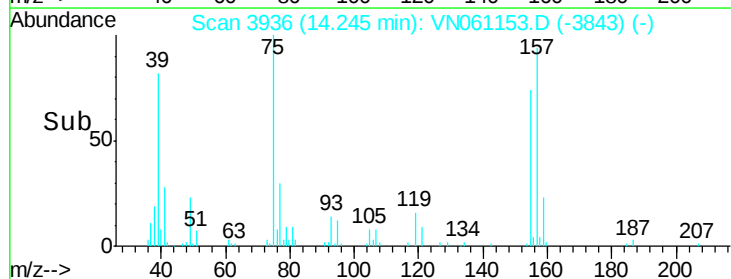
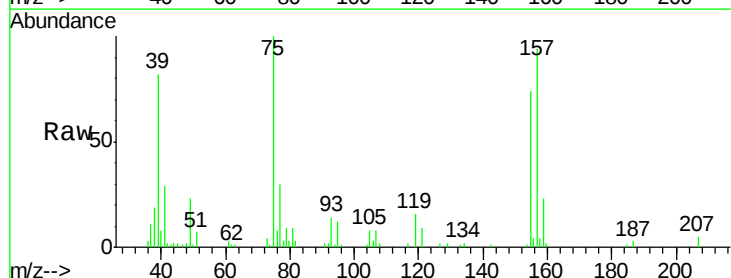
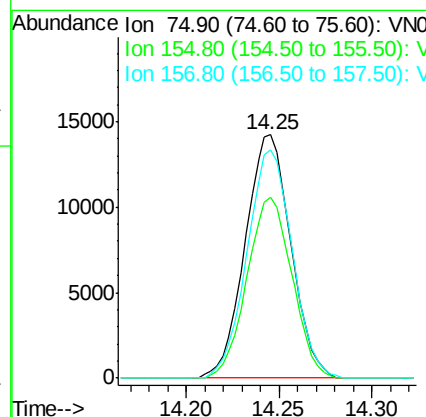
Manual Integrations
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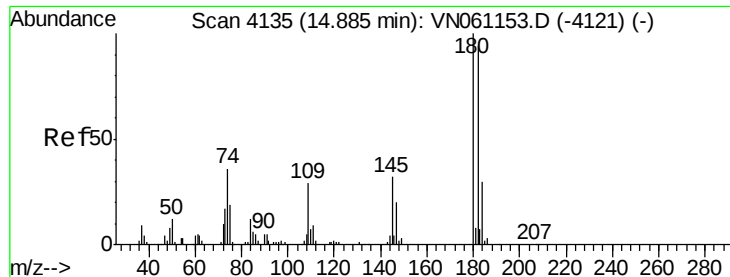
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.563 ug/l
 RT: 14.25 min Scan# 3936
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	36.5	109.7
157	93.1	46.6	139.7





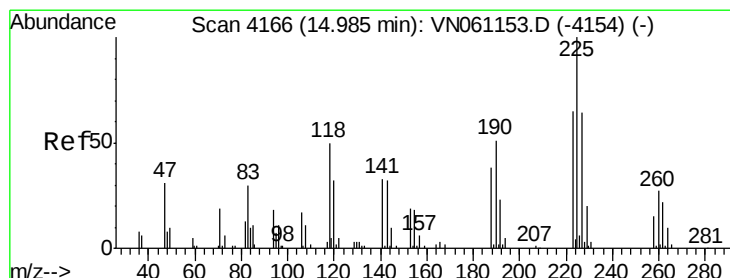
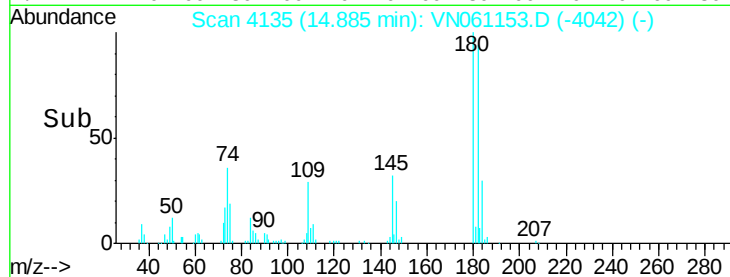
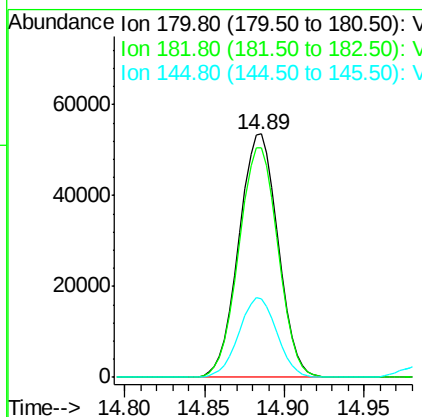
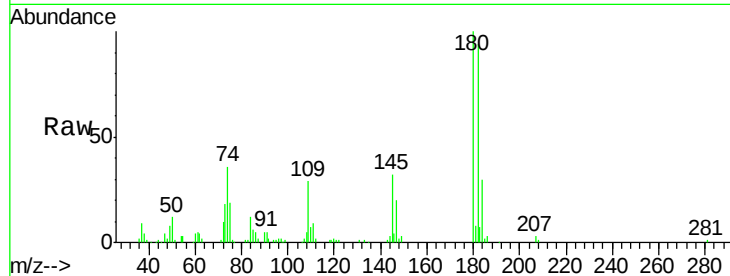
#93
 1,2,4-Trichlorobenzene
 Concen: 46.619 ug/l
 RT: 14.89 min Scan# 4135
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.9
145	31.9	16.0	47.9

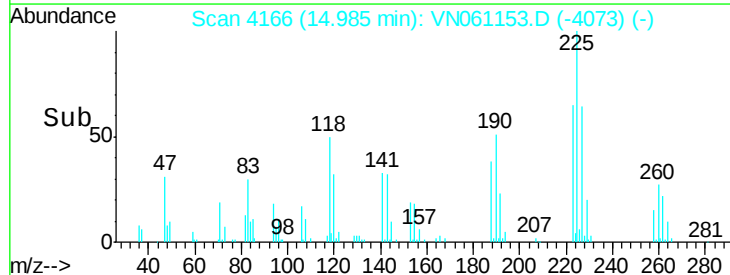
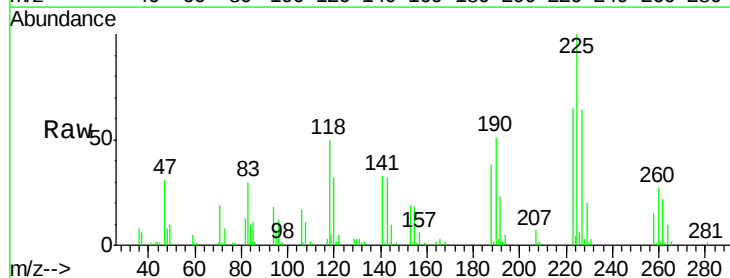
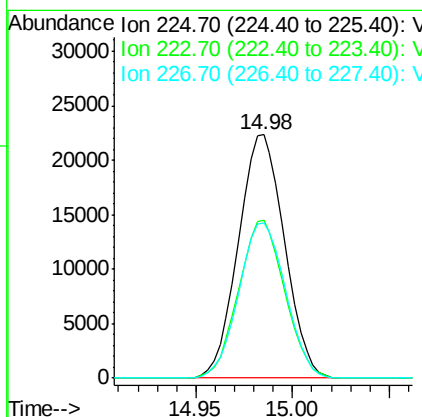
Manual Integrations
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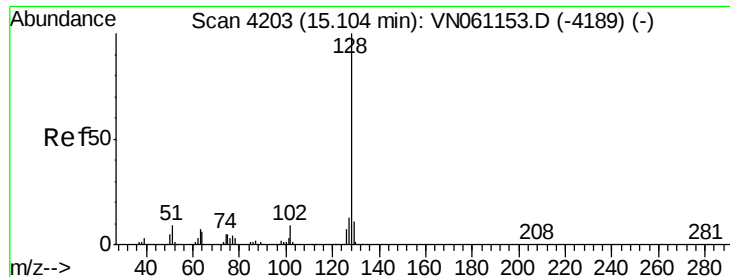
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#94
 Hexachlorobutadiene
 Concen: 44.599 ug/l
 RT: 14.98 min Scan# 4166
 Delta R.T. 0.00 min
 Lab File: VN061153.D
 Acq: 27 Apr 2020 17:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	32.4	97.0
227	64.7	32.4	97.0





#95

Naphthalene

Concen: 49.556 ug/l

RT: 15.10 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN061153.D

Acq: 27 Apr 2020 17:12

Instrument :

MSVOA_N

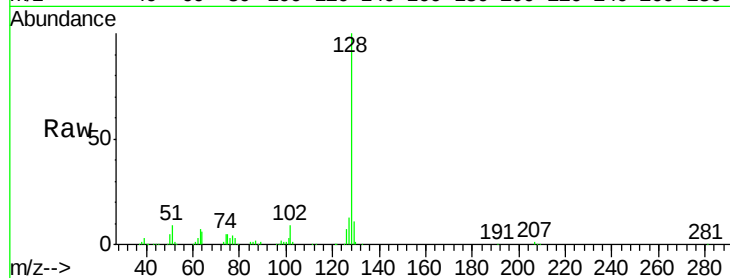
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	295636
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.9	8.7	13.1

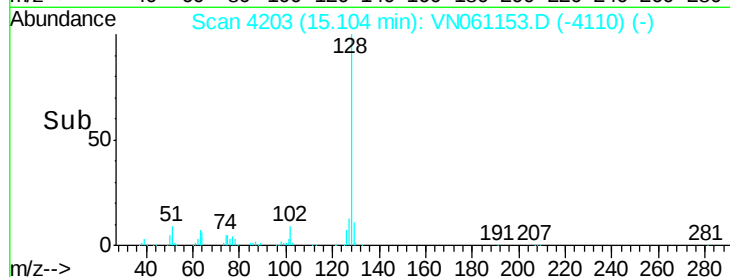
Manual Integrations
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MMDadoda
4/28/2020 8:14:39 PM

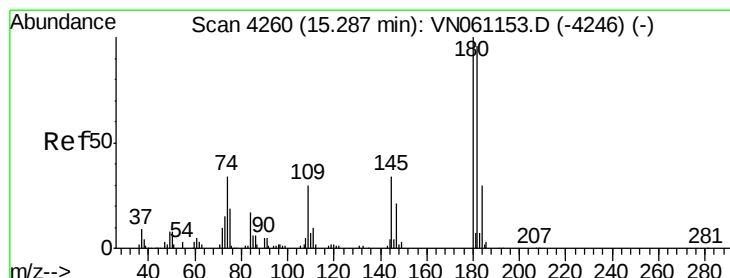


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

15.10



Time--> 15.00 15.10 15.20



#96

1,2,3-Trichlorobenzene

Concen: 47.163 ug/l

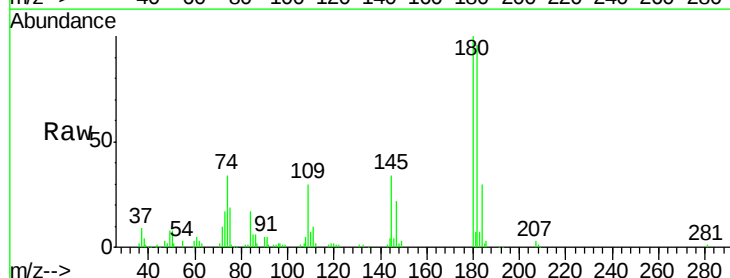
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN061153.D

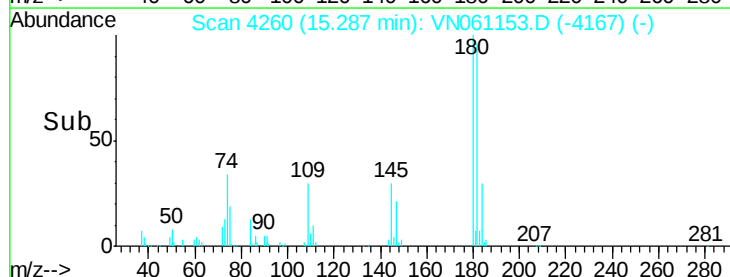
Acq: 27 Apr 2020 17:12

Tgt Ion:	180	Resp:	87055
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.5	142.5
145	33.8	16.9	50.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.29



Time--> 15.20 15.25 15.30 15.35