

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057977.D
 Acq On : 12 Sep 2019 18:37
 Operator : JC/SP
 Sample : VN0913WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:03 PM

Quant Time: Sep 13 06:25:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	289872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	483264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	447957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	256792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	312215	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	7.58	113	219766	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	882378	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.41	95	299822	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	81550	20.343	ug/l	99
3) Chloromethane	2.04	50	70368	17.222	ug/l	99
4) Vinyl Chloride	2.17	62	74524	17.234	ug/l	99
5) Bromomethane	2.54	94	44907	17.922	ug/l	96
6) Chloroethane	2.68	64	50302	18.255	ug/l	100
7) Trichlorofluoromethane	3.00	101	97210	17.863	ug/l	99
8) Diethyl Ether	3.39	74	43629	19.222	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70405	20.509	ug/l	100
10) Methyl Iodide	3.93	142	60488	15.834	ug/l	97
11) Tert butyl alcohol	4.76	59	64738	91.104	ug/l	96
12) 1,1-Dichloroethene	3.72	96	59474	19.268	ug/l	97
13) Acrolein	3.59	56	2228m	3.696	ug/l	
14) Allyl chloride	4.30	41	112613	18.643	ug/l	97
15) Acrylonitrile	4.97	53	206440	105.697	ug/l	99
16) Acetone	3.80	43	177507	92.228	ug/l	99
17) Carbon Disulfide	4.03	76	82925	17.365	ug/l	98
18) Methyl Acetate	4.30	43	120389	23.460	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	271488	21.135	ug/l	96
20) Methylene Chloride	4.53	84	78955	20.831	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	61591	18.459	ug/l	97
22) Diisopropyl ether	5.93	45	292674	20.661	ug/l	96
23) Vinyl Acetate	5.88	43	1060207	105.607	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159271	20.573	ug/l	98
25) 2-Butanone	6.82	43	279695	100.405	ug/l	98
26) 2,2-Dichloropropane	6.81	77	116202	18.966	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88595	19.813	ug/l	99
28) Bromochloromethane	7.18	49	84559	21.863	ug/l	97
29) Tetrahydrofuran	7.20	42	180076	104.906	ug/l	99
30) Chloroform	7.36	83	167234	20.659	ug/l	98
31) Cyclohexane	7.64	56	109713	19.428	ug/l	# 95
32) 1,1,1-Trichloroethane	7.55	97	128482	20.013	ug/l	98
36) 1,1-Dichloropropene	7.78	75	101376	18.088	ug/l	100
37) Ethyl Acetate	6.91	43	113580	19.615	ug/l	99
38) Carbon Tetrachloride	7.76	117	99991	19.541	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	103050	17.491	ug/l	99
40) Benzene	8.03	78	327781	19.426	ug/l	100
41) Methacrylonitrile	7.16	41	56656	21.554	ug/l	94
42) 1,2-Dichloroethane	8.11	62	137924	20.438	ug/l	100
43) Isopropyl Acetate	8.16	43	250089	25.682	ug/l #	83
44) Trichloroethene	8.83	130	79042	19.099	ug/l	96
45) 1,2-Dichloropropane	9.11	63	98070	19.974	ug/l	96
46) Dibromomethane	9.20	93	60764	20.480	ug/l	98
47) Bromodichloromethane	9.40	83	121366	20.485	ug/l	99
48) Methyl methacrylate	9.19	41	94062	19.042	ug/l	97
49) 1,4-Dioxane	9.19	88	27856	333.467	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	610014	105.858	ug/l	100
52) Toluene	10.15	92	204959	19.286	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	117836	18.887	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	133558	19.389	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	91375	20.298	ug/l	98
56) Ethyl methacrylate	10.43	69	131310	19.370	ug/l	98
57) 1,3-Dichloropropane	10.71	76	154384	19.900	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	290985	91.135	ug/l	100
59) 2-Hexanone	10.75	43	429263	99.383	ug/l	99
60) Dibromochloromethane	10.90	129	81779	19.563	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84471	19.848	ug/l	99
64) Tetrachloroethene	10.63	164	63902	19.320	ug/l	96
65) Chlorobenzene	11.44	112	230965	19.701	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	80287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	406054	19.764	ug/l	100
68) m/p-Xylenes	11.62	106	294294	39.104	ug/l	99
69) o-Xylene	11.95	106	146700	19.608	ug/l	96
70) Styrene	11.97	104	254267	19.747	ug/l	98
71) Bromoform	12.13	173	47576	18.759	ug/l #	100
73) Isopropylbenzene	12.25	105	403586	20.254	ug/l	100
74) N-amyl acetate	12.07	43	174513	20.124	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	136291	20.314	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	115451m	19.874	ug/l	
77) Bromobenzene	12.53	156	95409	19.205	ug/l	99
78) n-propylbenzene	12.60	91	476037	20.804	ug/l	99
79) 2-Chlorotoluene	12.68	91	283888	19.630	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	343365	20.394	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27762	16.818	ug/l	85
82) 4-Chlorotoluene	12.78	91	288490	19.425	ug/l	100
83) tert-Butylbenzene	13.00	119	293630	19.620	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	347677	20.318	ug/l	99
85) sec-Butylbenzene	13.18	105	404371	20.385	ug/l	99
86) p-Isopropyltoluene	13.30	119	355181	20.322	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	175431	19.238	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	176381	19.056	ug/l	98
89) n-Butylbenzene	13.62	91	322829	19.559	ug/l	99
90) Hexachloroethane	13.88	117	48763	18.760	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	179723	19.728	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22956	20.719	ug/l	97

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Instrument :
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Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105939	17.791	ug/l	98
94) Hexachlorobutadiene	15.01	225	47908	18.980	ug/l	99
95) Naphthalene	15.13	128	310322	19.691	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	103717	20.552	ug/l	99

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

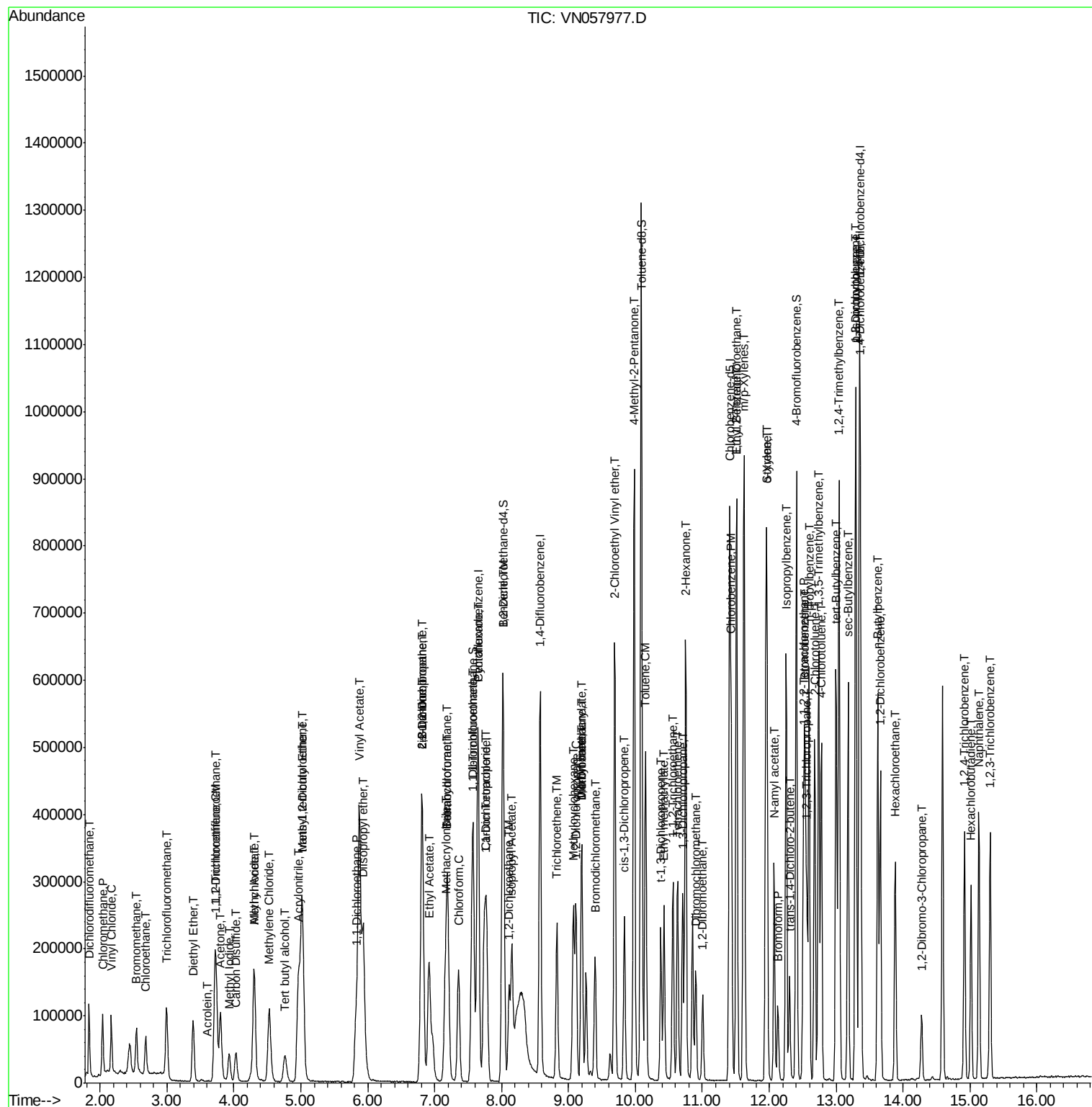
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 Data File : VN057977.D
 Acd On : 12 Sep 2019 18:37
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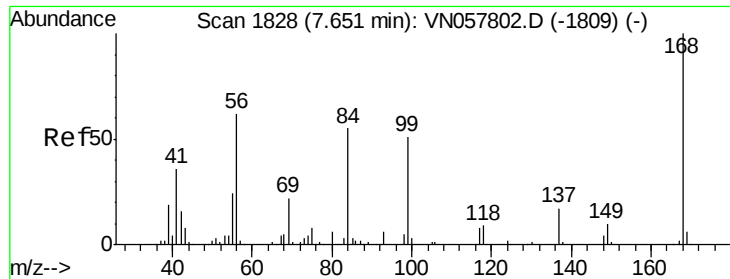
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0913WBS02

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion:168 Resp: 289872

Ion Ratio Lower Upper

168 100

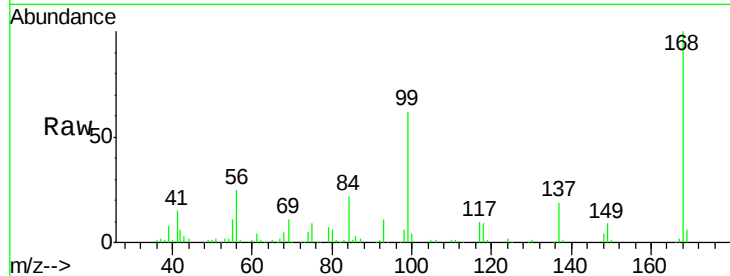
99 61.7 48.0 72.0

Manual Integrations

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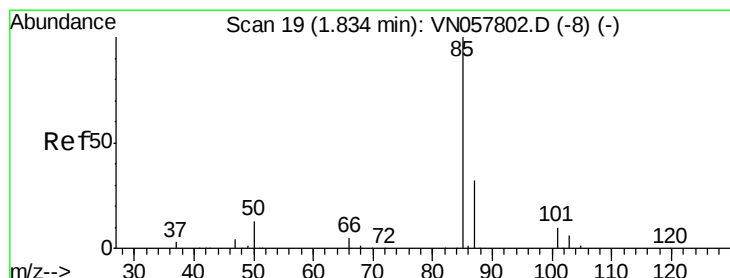
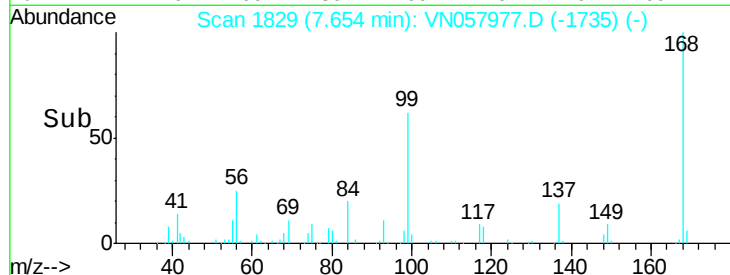
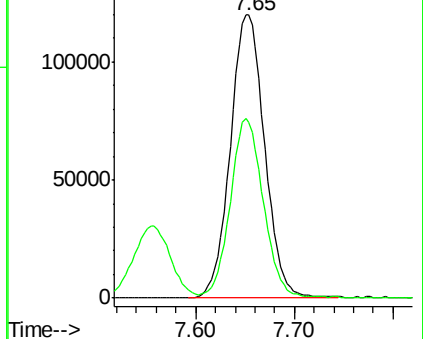
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.343 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057977.D

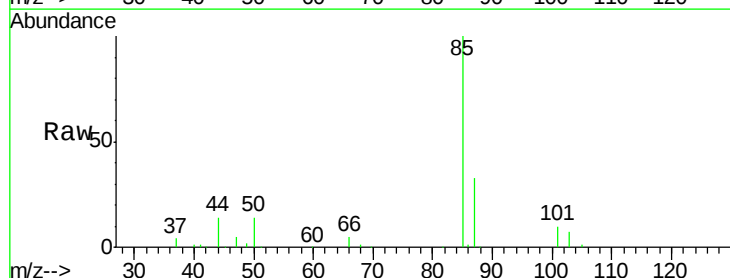
Acq: 12 Sep 2019 18:37

Tgt Ion: 85 Resp: 81550

Ion Ratio Lower Upper

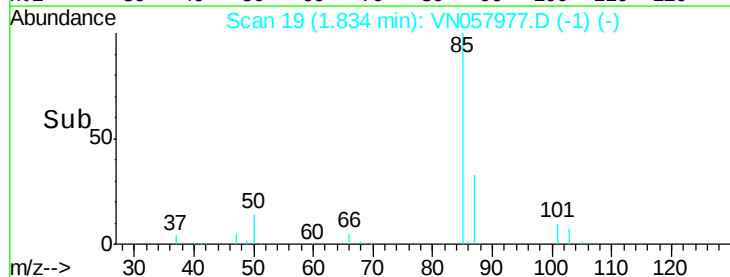
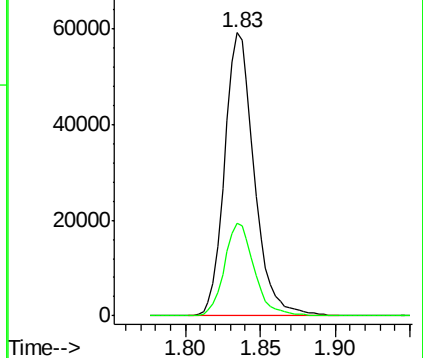
85 100

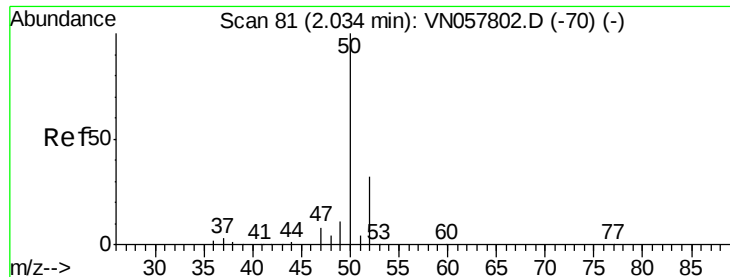
87 32.6 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 17.222 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 50 Resp: 70368

Ion Ratio Lower Upper

50 100

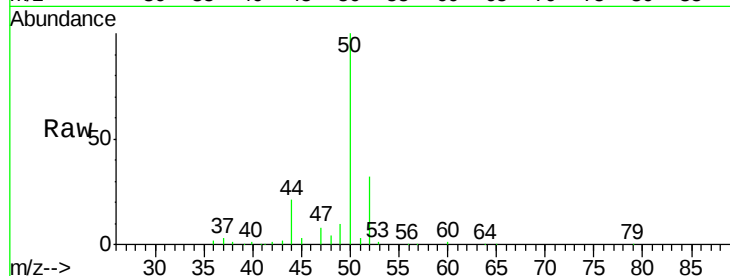
52 32.3 25.5 38.3

Manual Integrations

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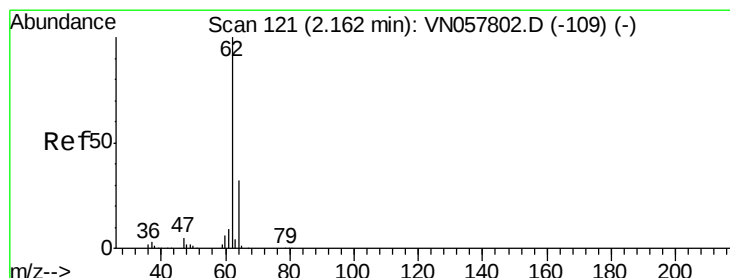
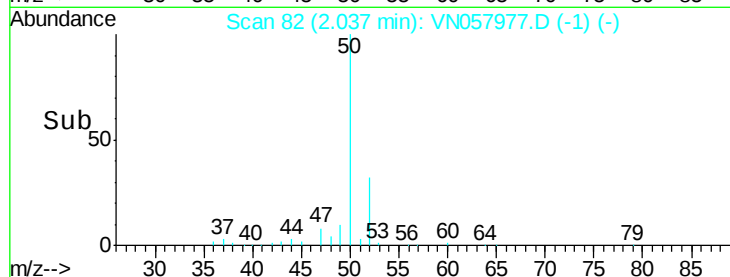
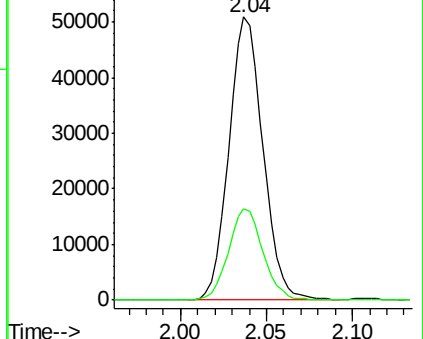
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 17.234 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN057977.D

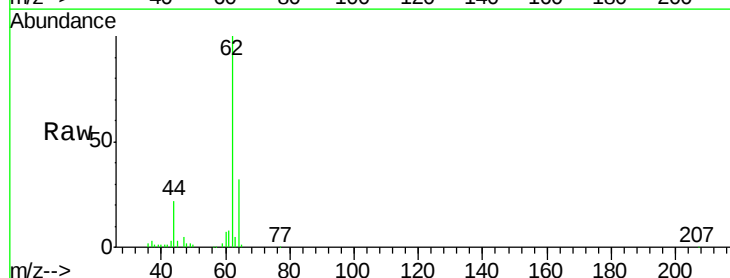
Acq: 12 Sep 2019 18:37

Tgt Ion: 62 Resp: 74524

Ion Ratio Lower Upper

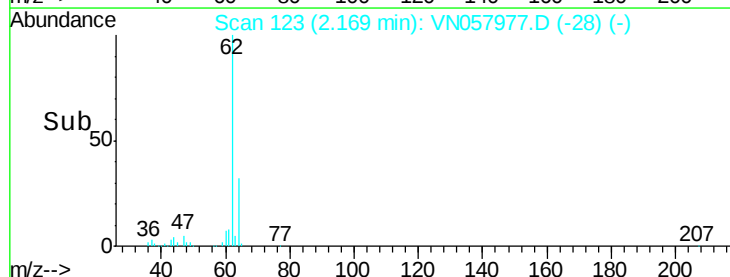
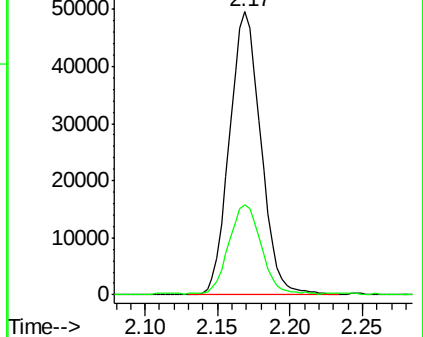
62 100

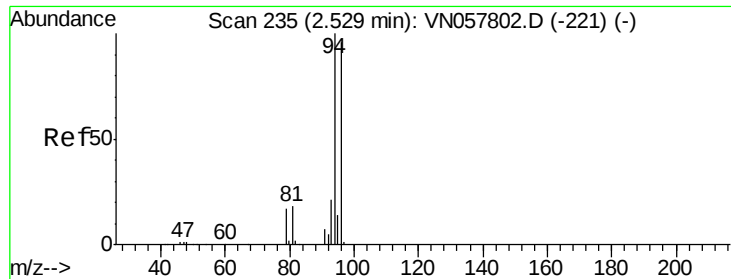
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.922 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 44907

Ion Ratio Lower Upper

94 100

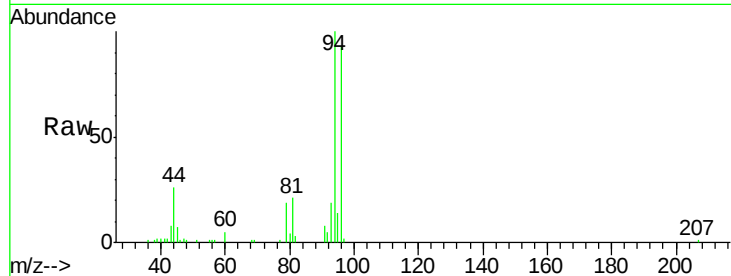
96 92.7 77.0 115.4

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

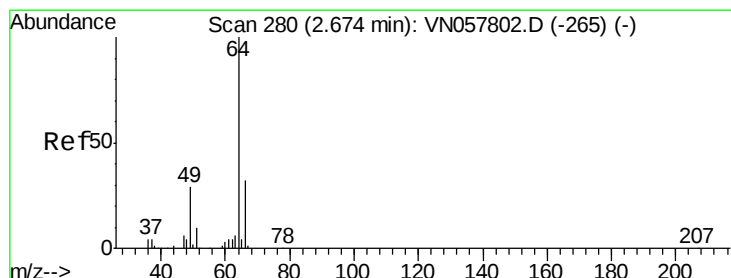
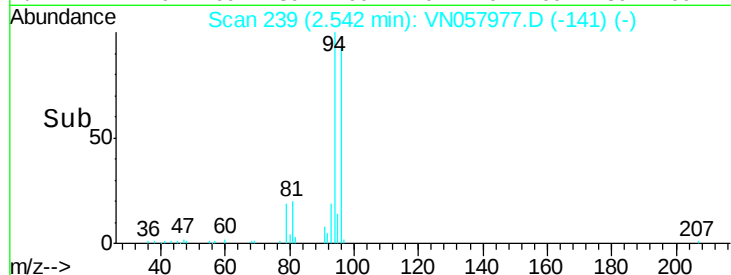
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.255 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN057977.D

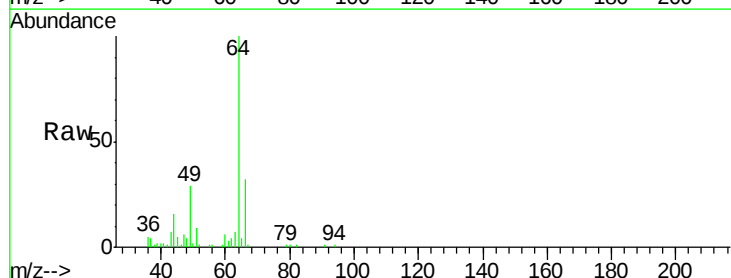
Acq: 12 Sep 2019 18:37

Tgt Ion: 64 Resp: 50302

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

30000

25000

20000

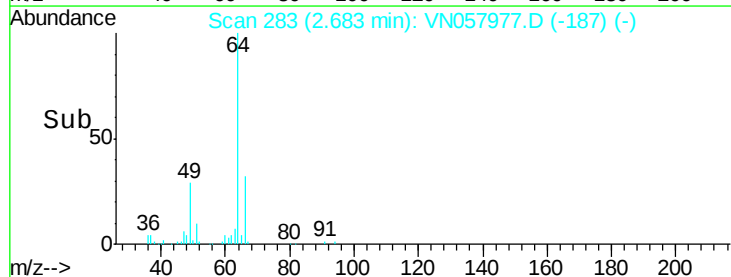
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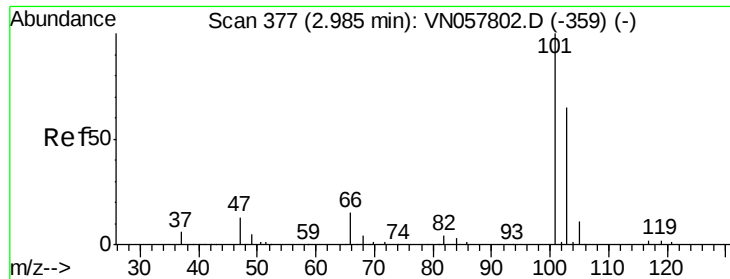
10000

5000

0

Time-->





#7

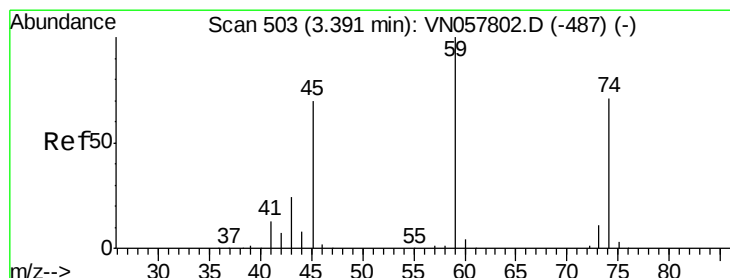
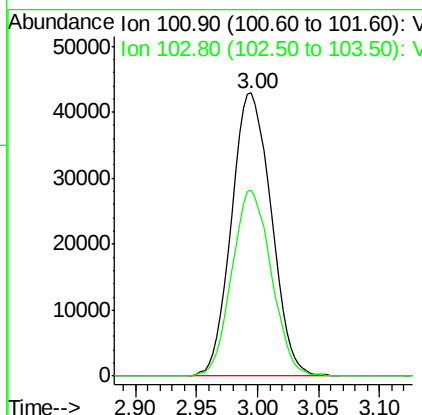
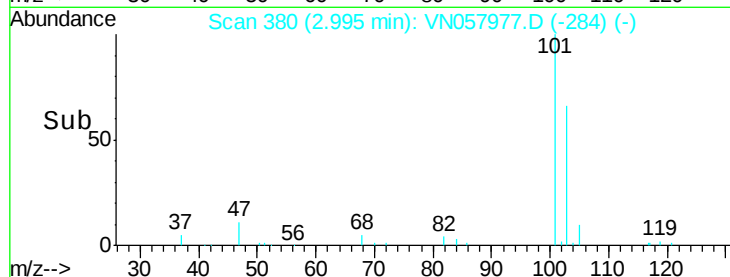
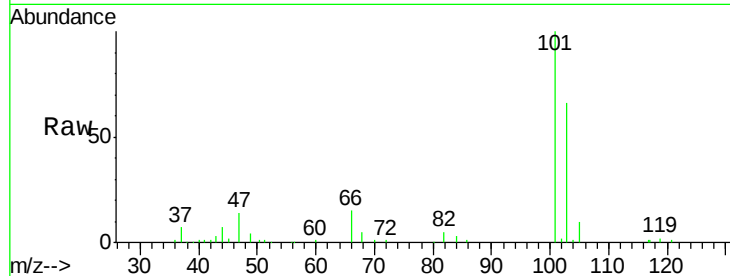
Trichlorofluoromethane
Concen: 17.863 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.01 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion:101 Resp: 97210
Ion Ratio Lower Upper
101 100
103 65.6 51.9 77.9

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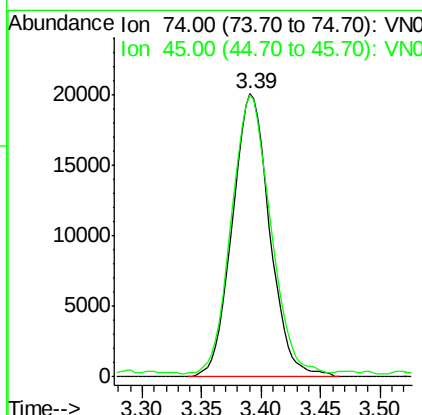
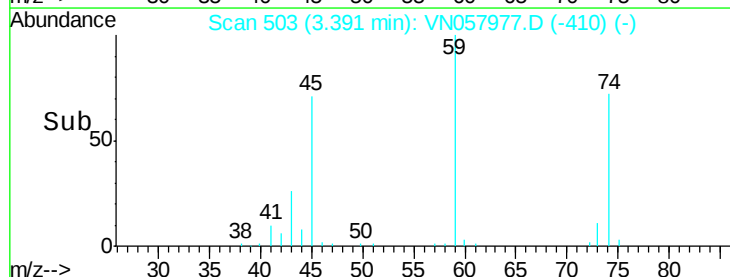
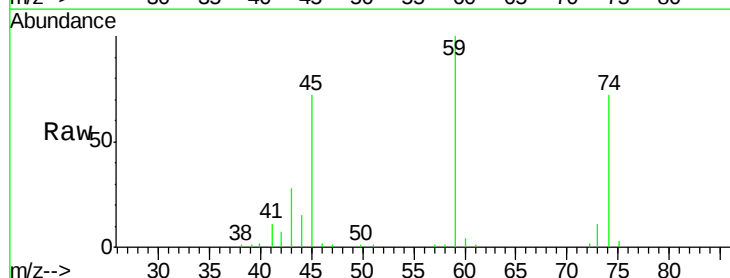
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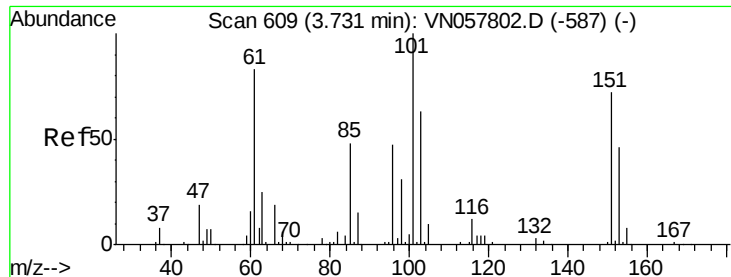


#8

Diethyl Ether
Concen: 19.222 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 74 Resp: 43629
Ion Ratio Lower Upper
74 100
45 102.6 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.509 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

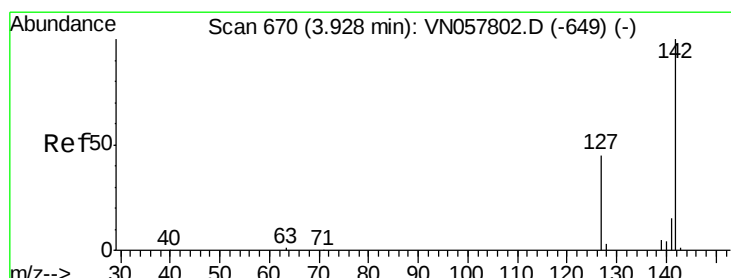
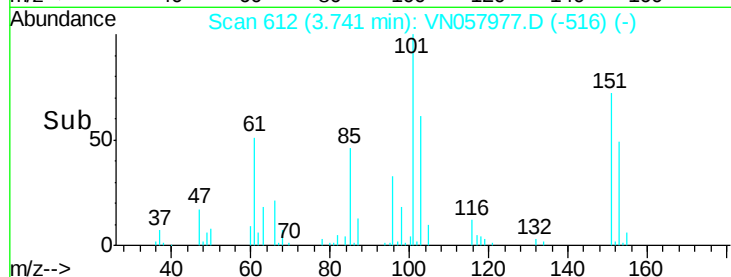
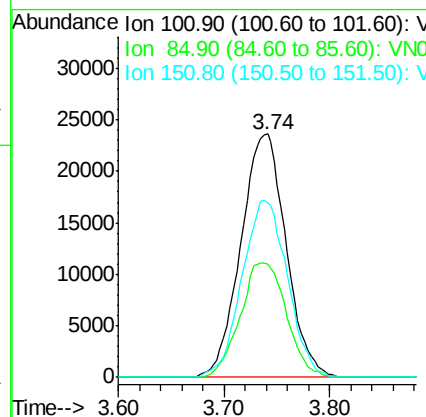
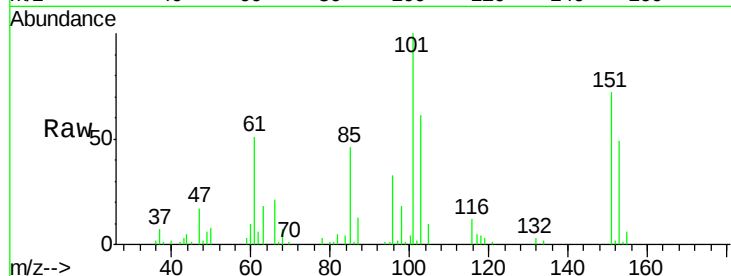
ClientSampleId :

VN0913WBS02

Tot Ion:	101	Resp:	70405
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.1	57.1
151	73.1	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 15.834 ug/l

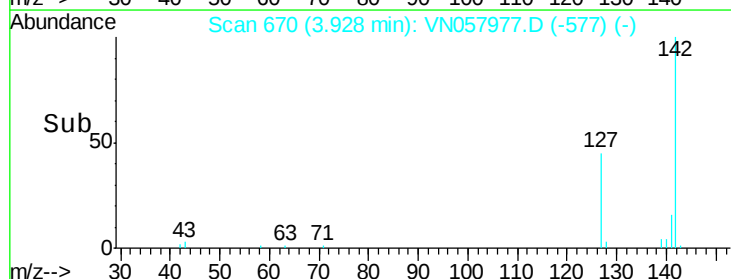
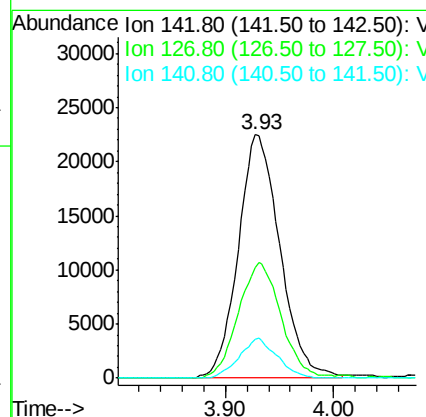
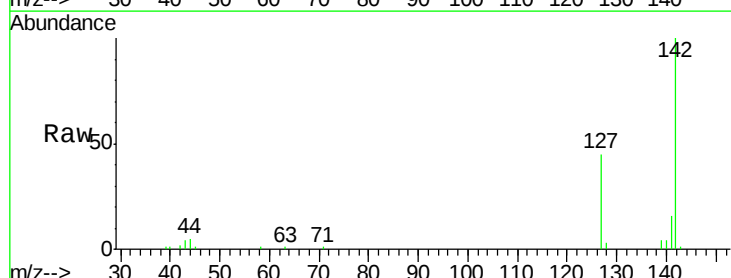
RT: 3.93 min Scan# 670

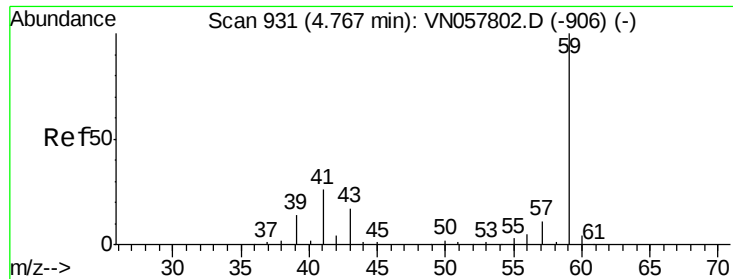
Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	142	Resp:	60488
Ion Ratio	Lower	Upper	
142	100		
127	48.5	36.7	55.1
141	14.8	11.4	17.0





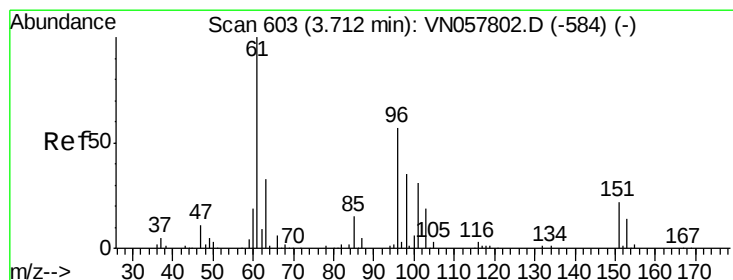
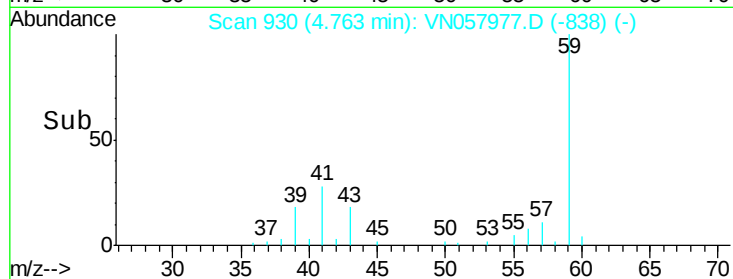
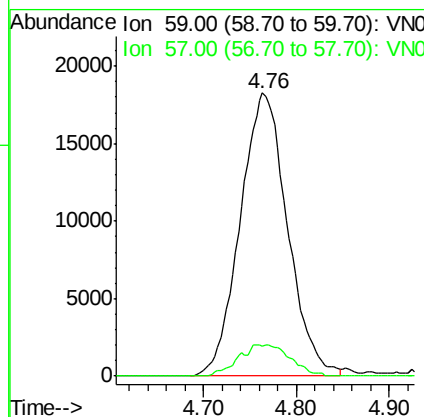
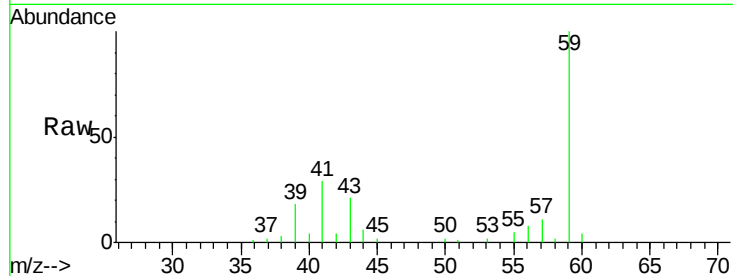
#11
Tert butyl alcohol
Concen: 91.104 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion: 59 Resp: 64738
Ion Ratio Lower Upper
59 100
57 12.1 8.4 12.6

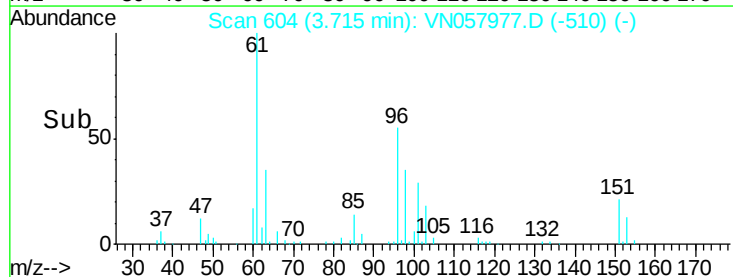
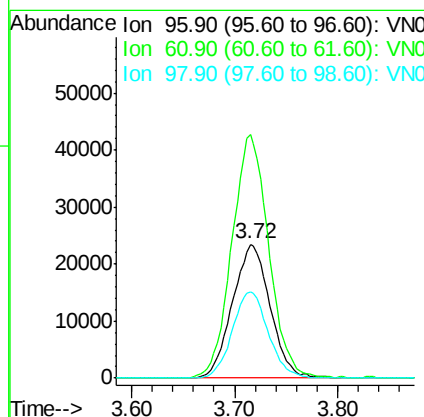
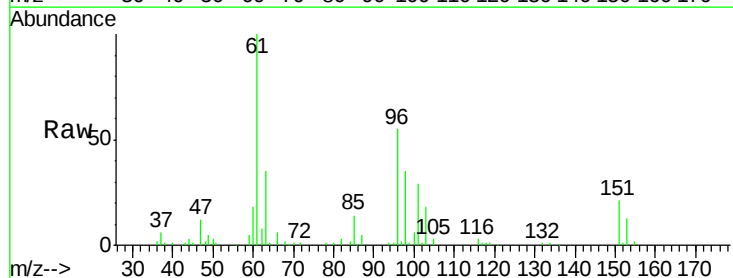
Manual Integrations
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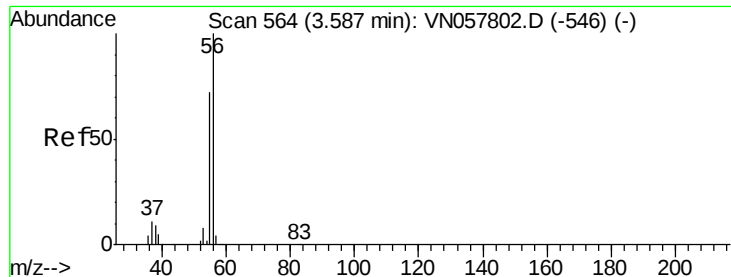
MMDadoda
9/13/2019 1:05:03 PM



#12
1,1-Dichloroethene
Concen: 19.268 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 96 Resp: 59474
Ion Ratio Lower Upper
96 100
61 181.8 141.2 211.8
98 64.0 49.9 74.9





#13

Acrolein

Concen: 3.696 ug/l m

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 56 Resp: 2228

Ion Ratio Lower Upper

56 100

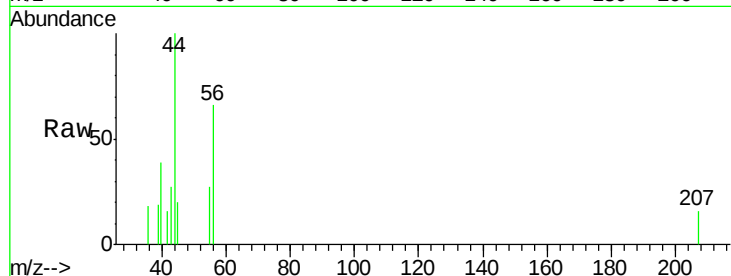
55 25.9 57.3 85.9#

Manual Integrations

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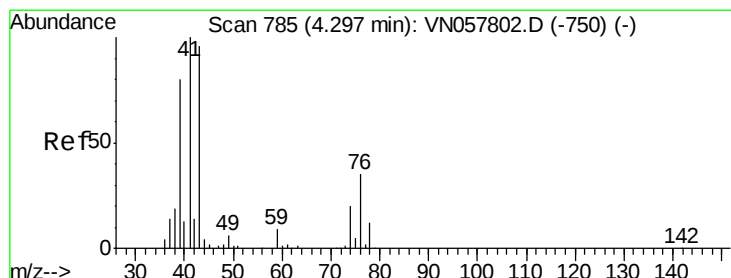
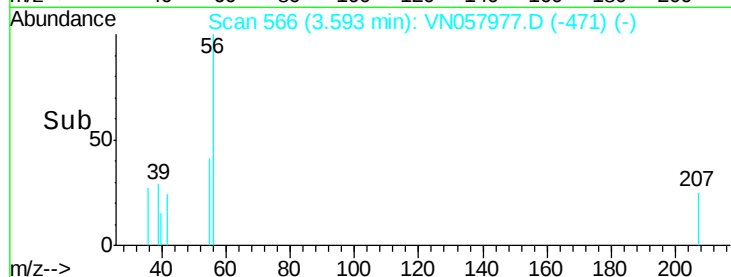
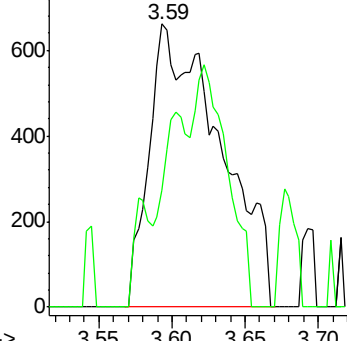
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.643 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

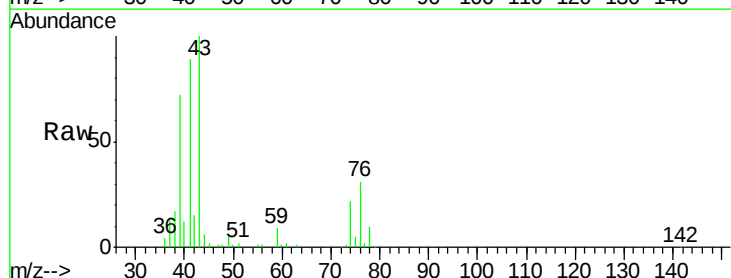
Tgt Ion: 41 Resp: 112613

Ion Ratio Lower Upper

41 100

39 76.7 59.4 89.2

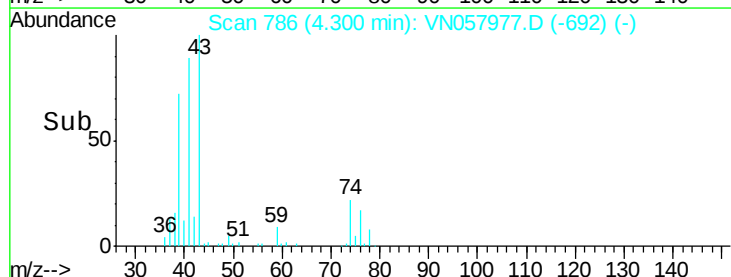
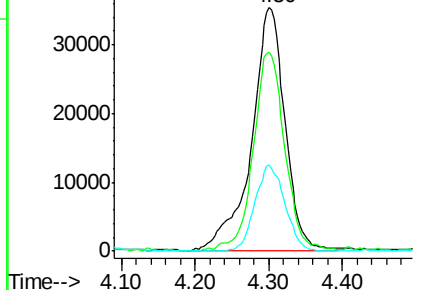
76 31.1 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.697 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

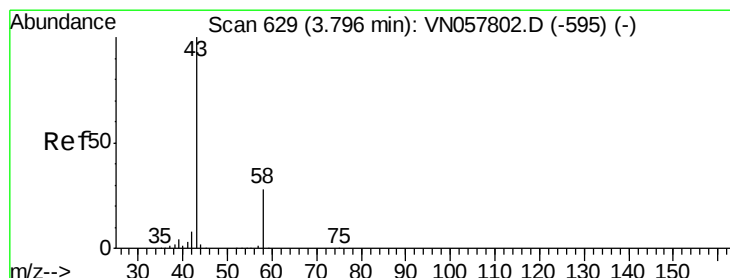
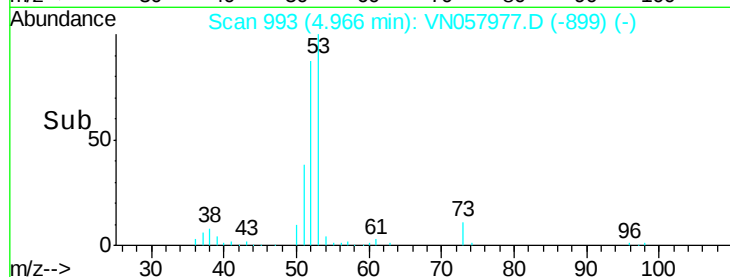
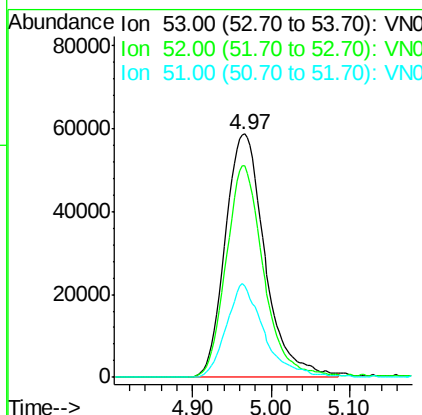
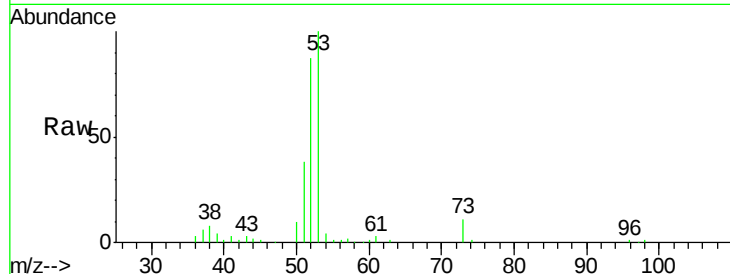
ClientSampleId :

VN0913WBS02

Tot Ion:	53	Resp:	206440
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 92.228 ug/l

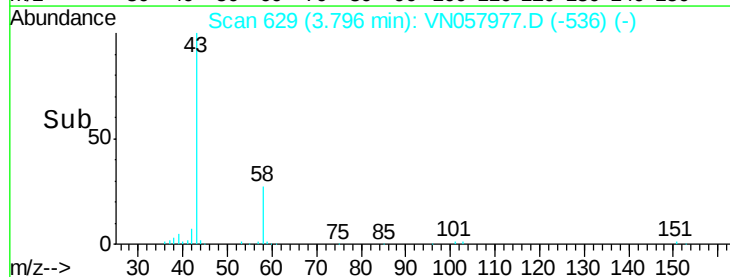
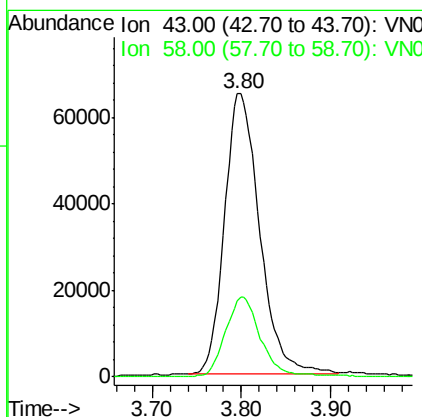
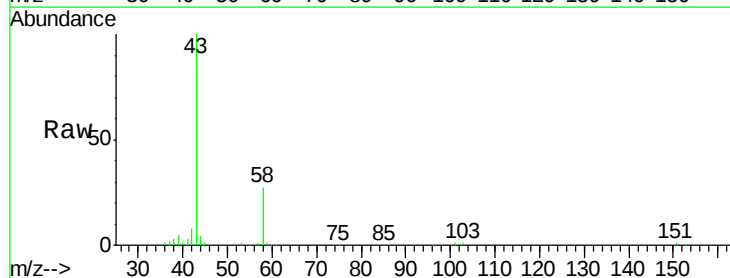
RT: 3.80 min Scan# 629

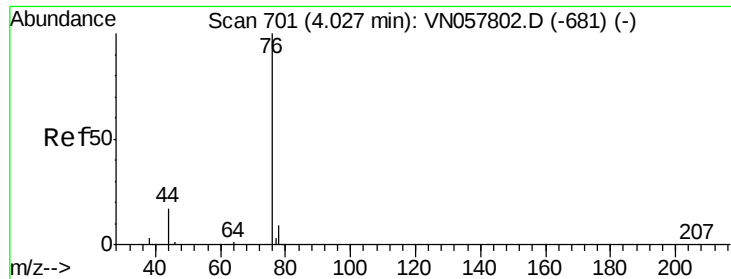
Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	43	Resp:	177507
Ion	Ratio	Lower	Upper
43	100		
58	26.9	22.2	33.2





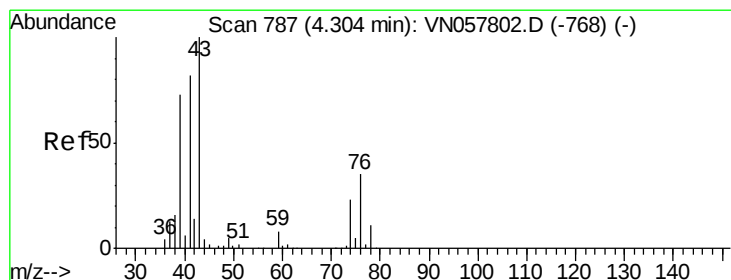
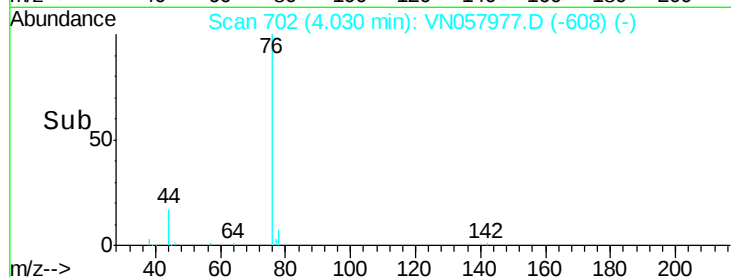
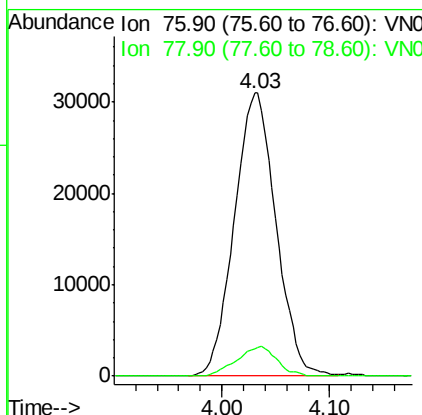
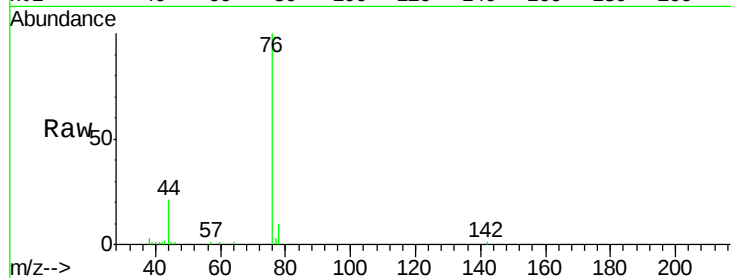
#17
Carbon Disulfide
Concen: 17.365 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.1	10.7

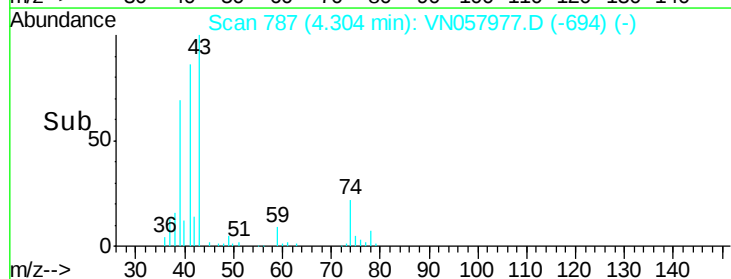
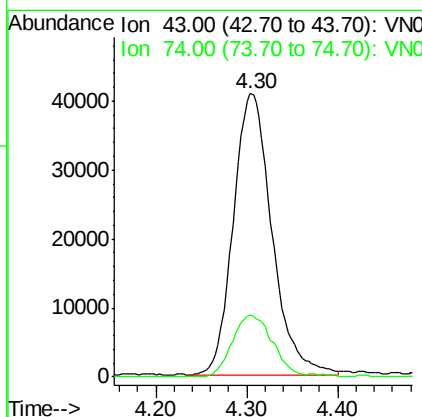
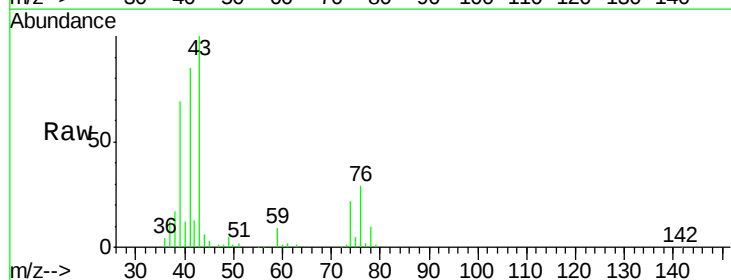
Manual Integrations
APPROVED

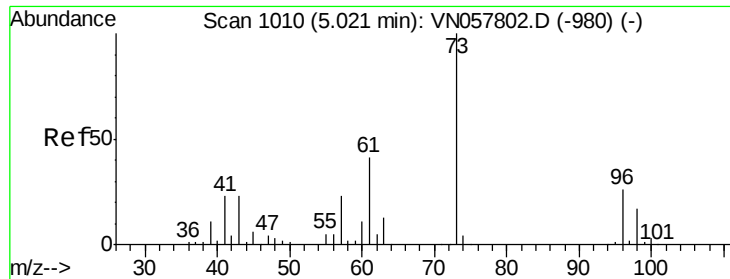
MMDadoda
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#18
Methyl Acetate
Concen: 23.460 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	17.9	26.9





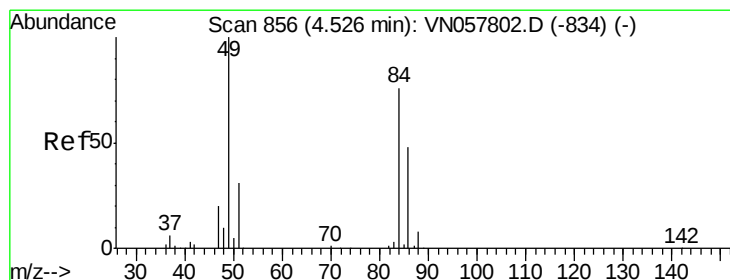
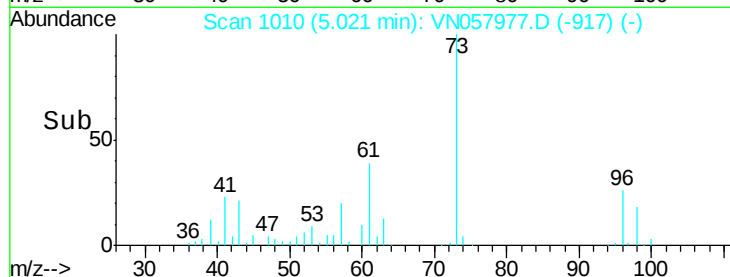
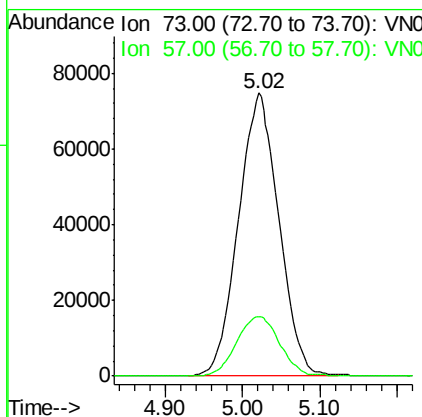
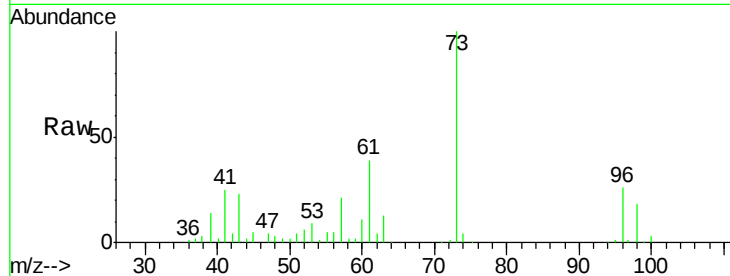
#19
Methvl tert-butvl Ether
Concen: 21.135 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion: 73 Resp: 271488
Ion Ratio Lower Upper
73 100
57 21.0 18.2 27.2

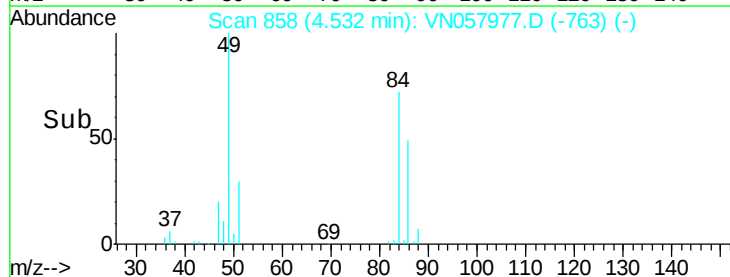
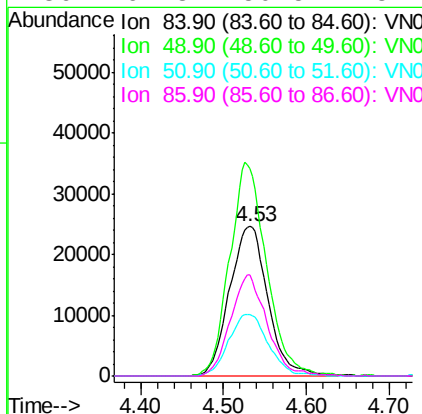
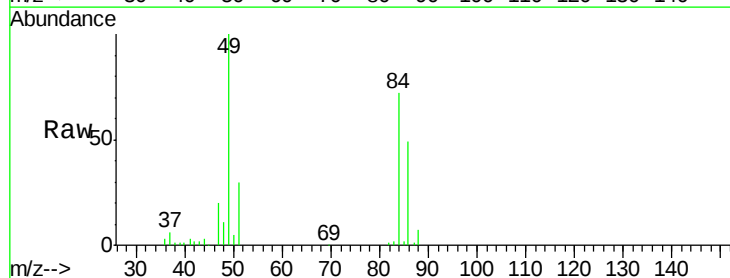
Manual Integrations
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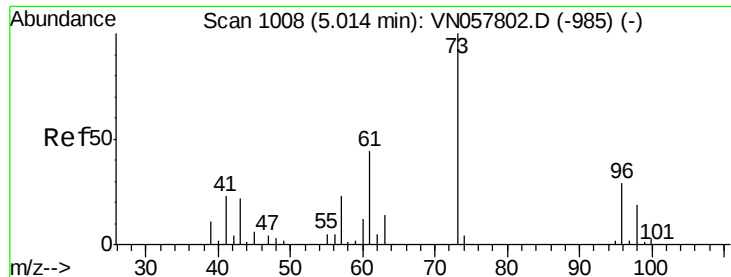
MMDadoda
9/13/2019 1:05:03 PM



#20
Methylene Chloride
Concen: 20.831 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 84 Resp: 78955
Ion Ratio Lower Upper
84 100
49 138.4 104.8 157.2
51 40.9 33.0 49.4
86 67.8 50.5 75.7





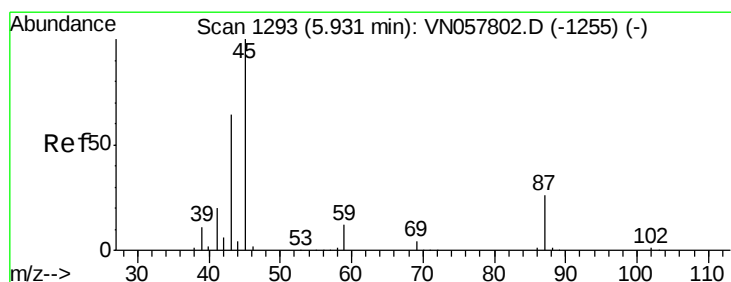
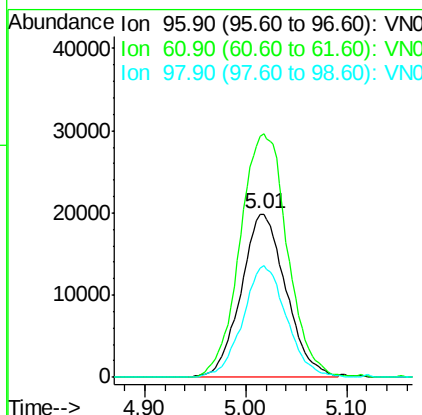
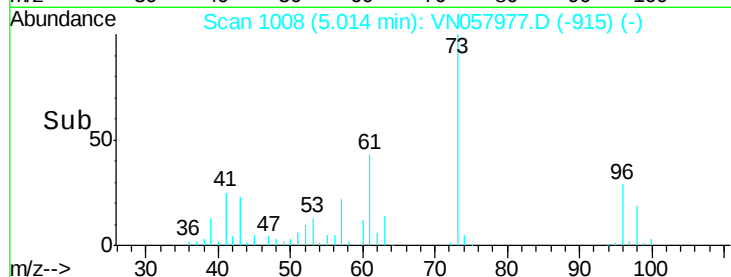
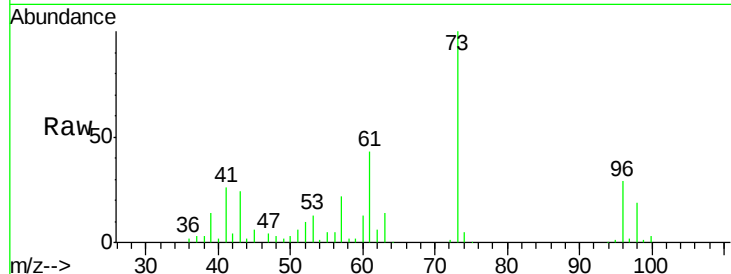
#21
trans-1,2-Dichloroethene
Concen: 18.459 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	121.9	182.9
98	66.7	52.2	78.4

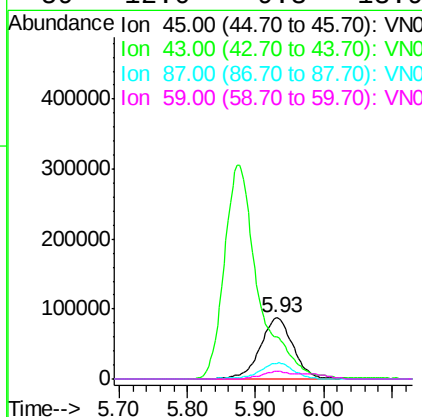
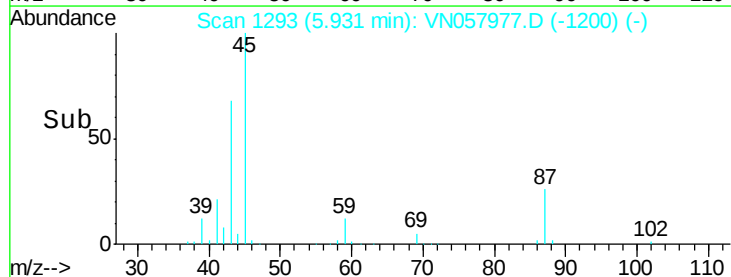
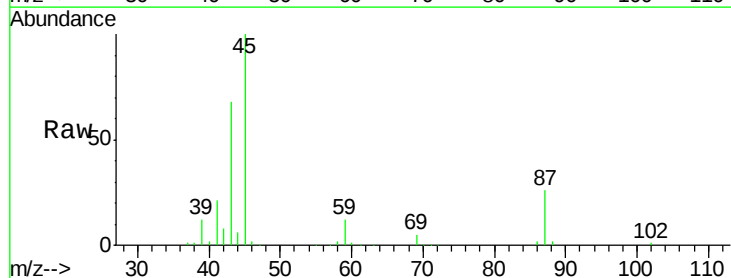
Manual Integrations
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#22
Diisopropyl ether
Concen: 20.661 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.9	51.4	77.2
87	25.4	21.3	31.9
59	12.0	9.3	13.9





#23

Vinyl Acetate

Concen: 105.607 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 43 Resp: 1060207

Ion Ratio Lower Upper

43 100

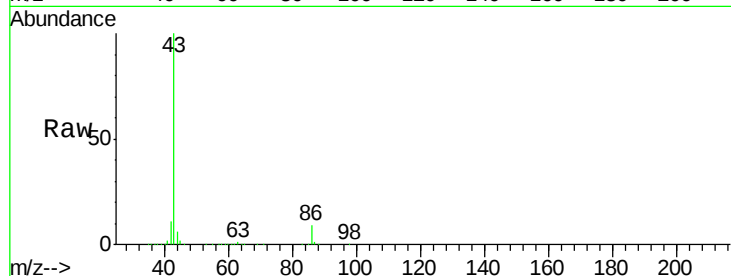
86 9.3 7.7 11.5

Manual Integrations

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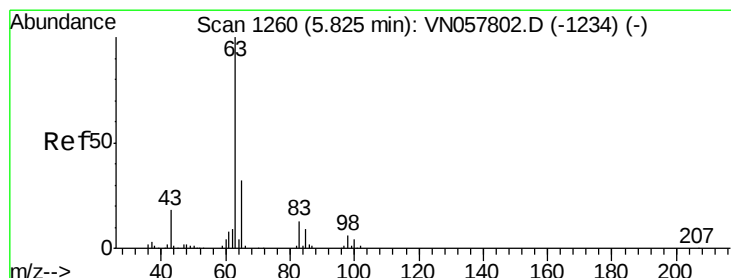
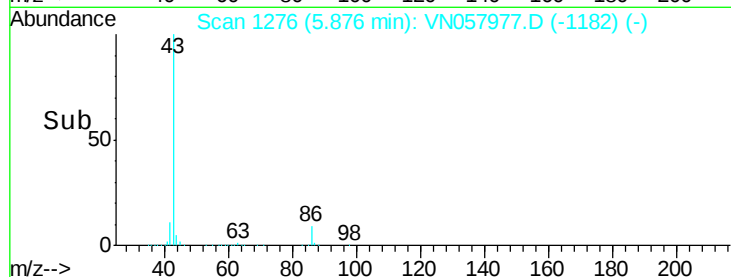
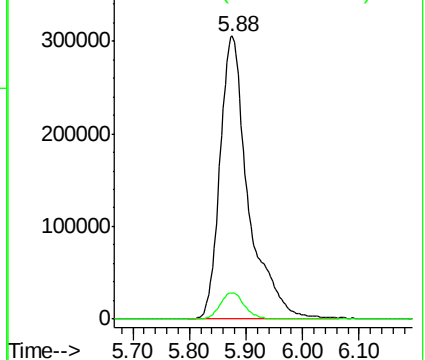
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.573 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

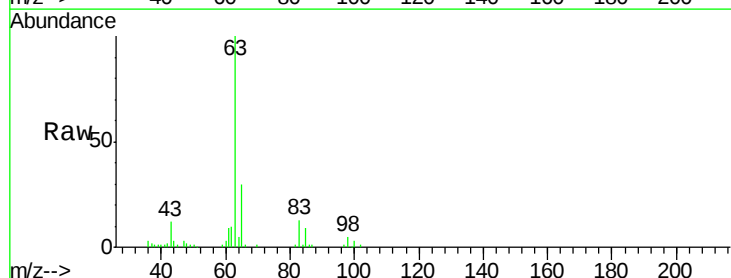
Tgt Ion: 63 Resp: 159271

Ion Ratio Lower Upper

63 100

98 5.5 3.0 9.2

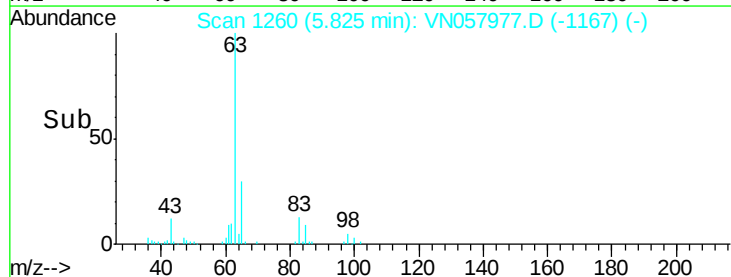
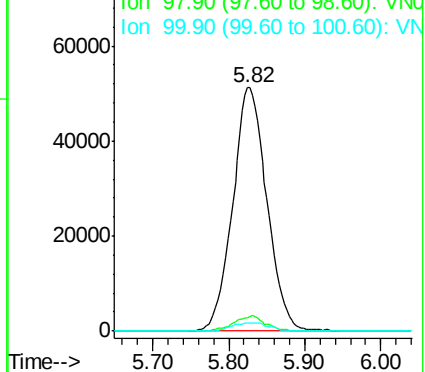
100 3.3 2.0 5.8

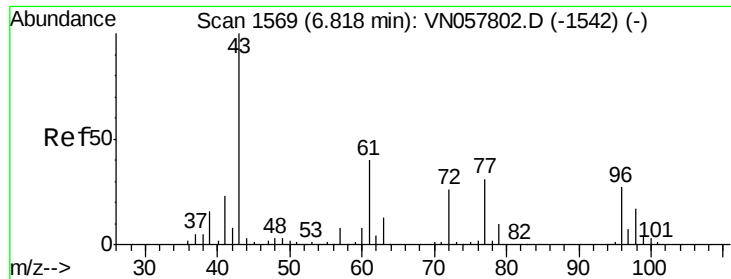


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 100.405 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

VN0913WBS02

Tot Ion: 43 Resp: 279695

Ion Ratio Lower Upper

43 100

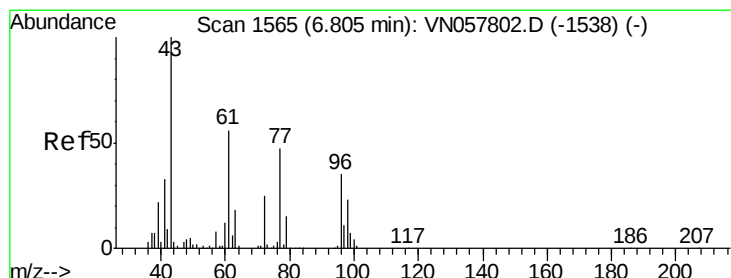
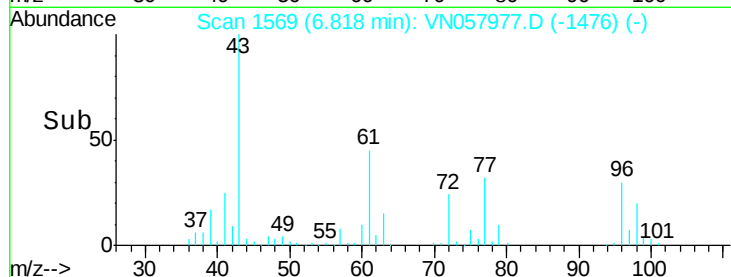
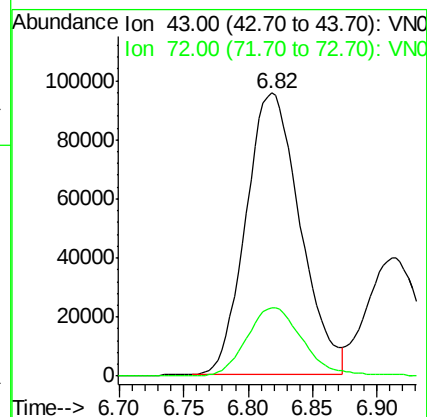
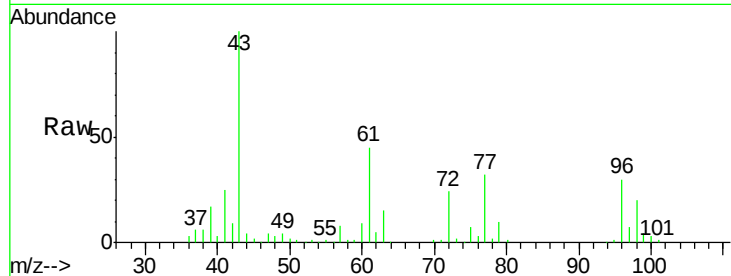
72 24.5 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.966 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057977.D

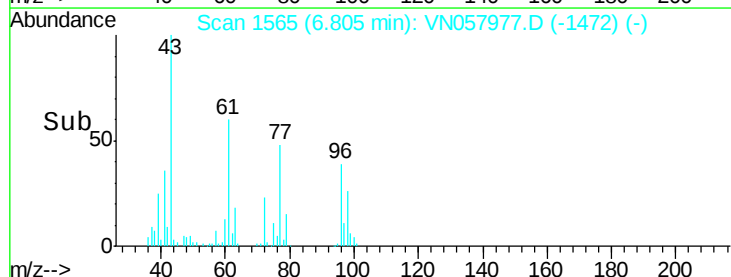
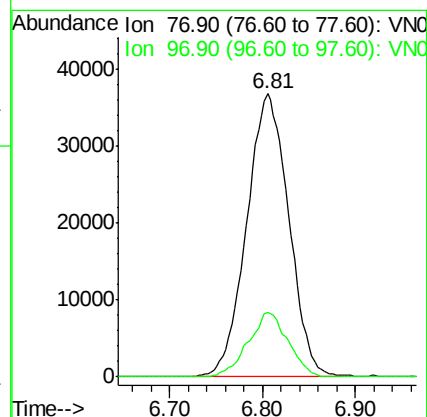
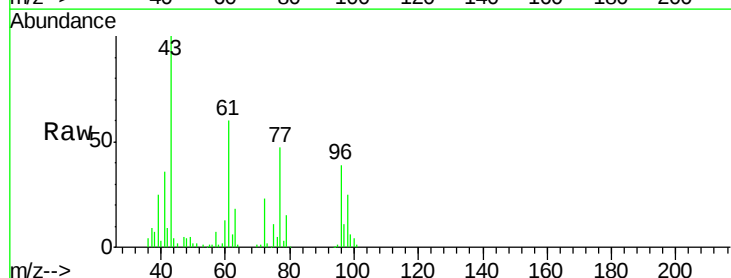
Acq: 12 Sep 2019 18:37

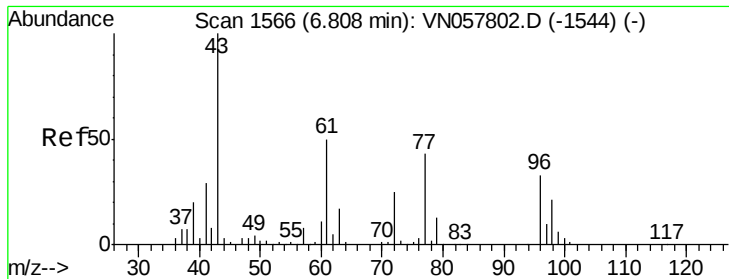
Tgt Ion: 77 Resp: 116202

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.813 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

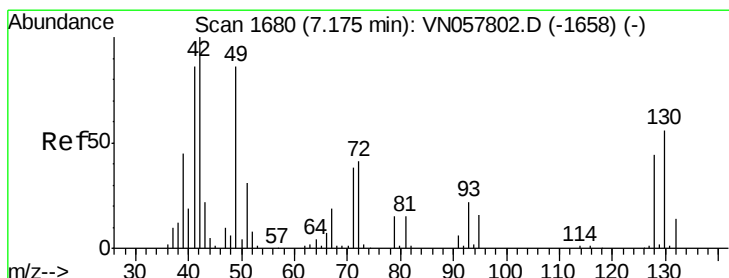
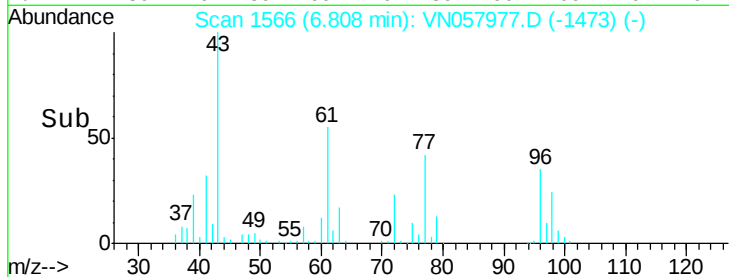
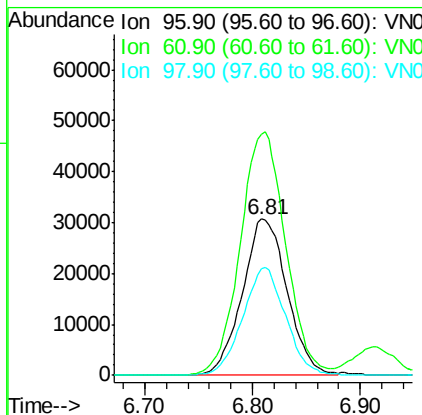
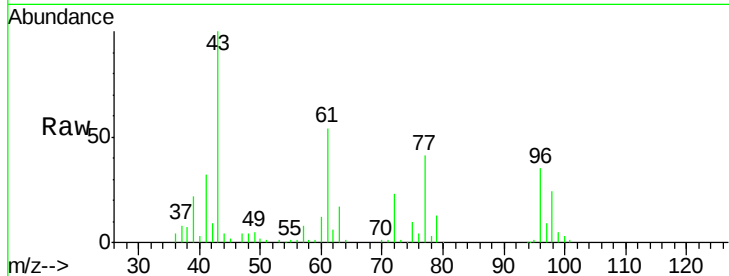
ClientSampleId :

VN0913WBS02

Tot Ion:	96	Resp:	88595
Ion	Ratio	Lower	Upper
96	100		
61	158.0	0.0	314.0
98	66.1	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 21.863 ug/l

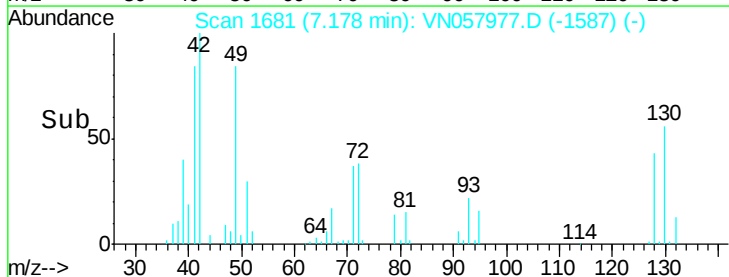
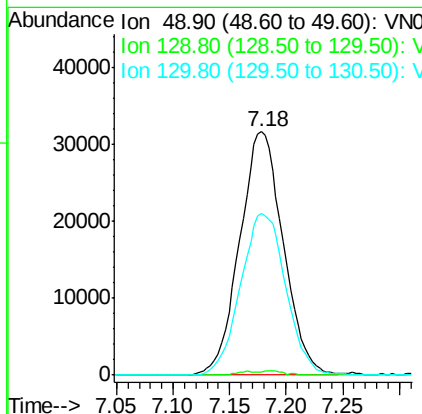
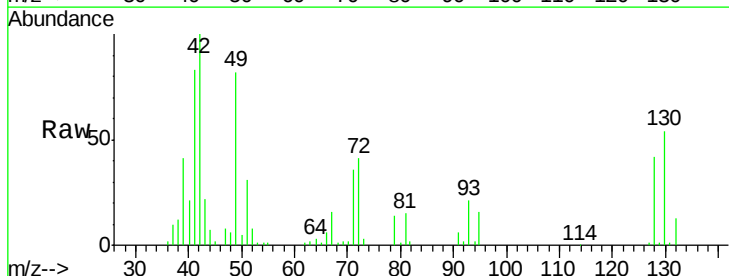
RT: 7.18 min Scan# 1681

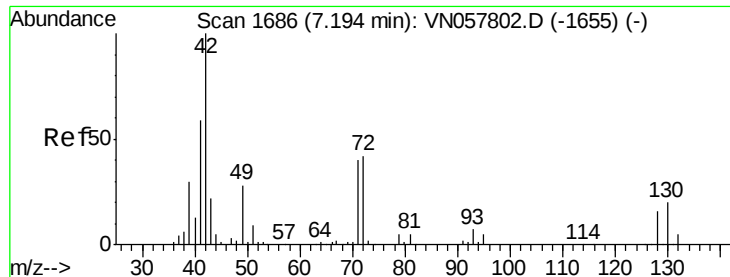
Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	49	Resp:	84559
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.8
130	68.7	53.0	79.6





#29

Tetrahydrofuran

Concen: 104.906 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 42 Resp: 180076

Ion Ratio Lower Upper

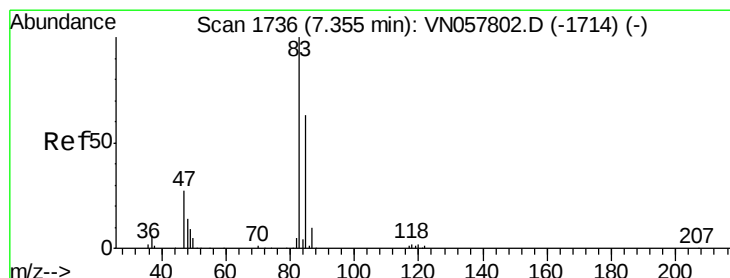
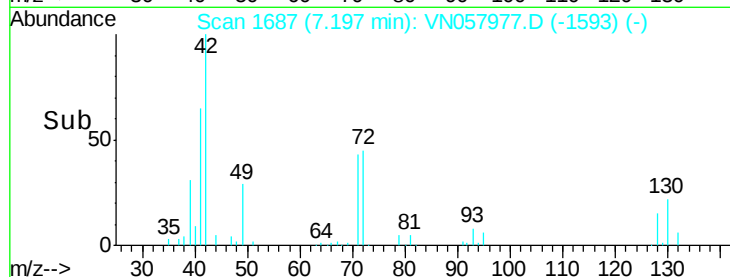
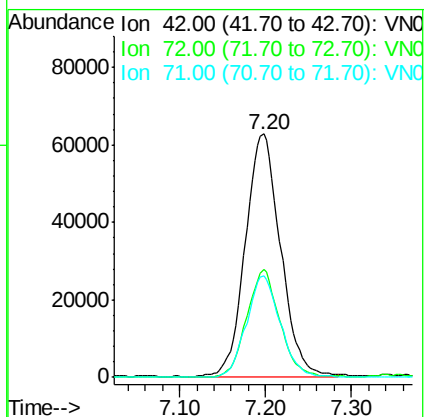
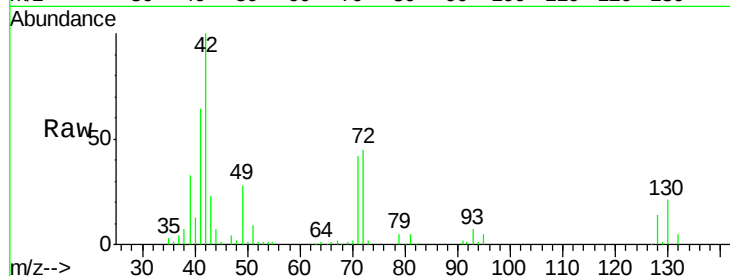
42 100

72 41.2 33.7 50.5

71 39.7 31.9 47.9

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#30

Chloroform

Concen: 20.659 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057977.D

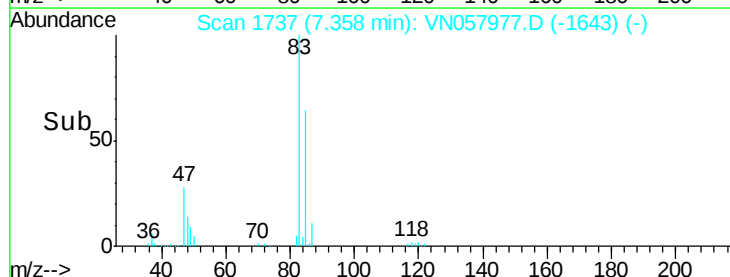
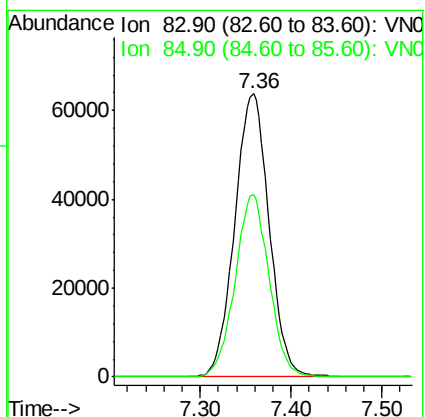
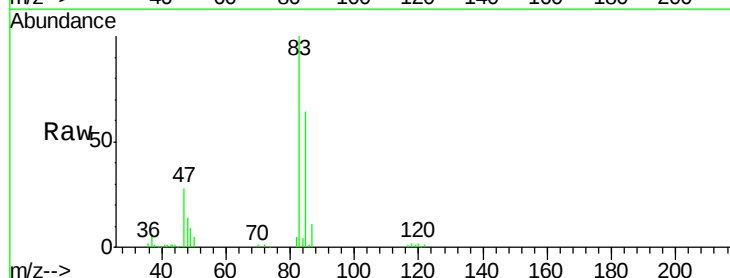
Acq: 12 Sep 2019 18:37

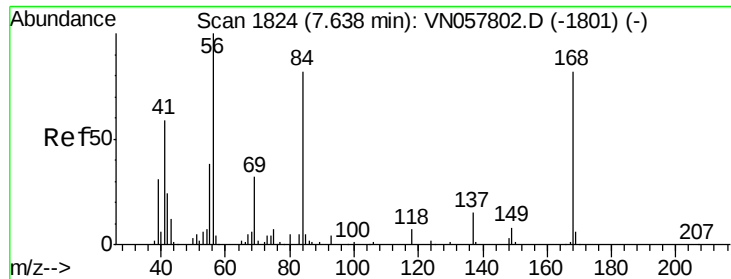
Tgt Ion: 83 Resp: 167234

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8





#31

Cyclohexane

Concen: 19.428 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

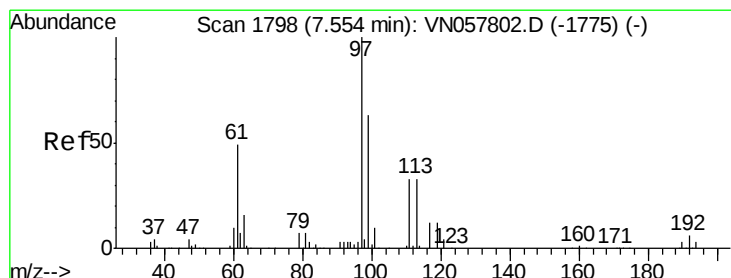
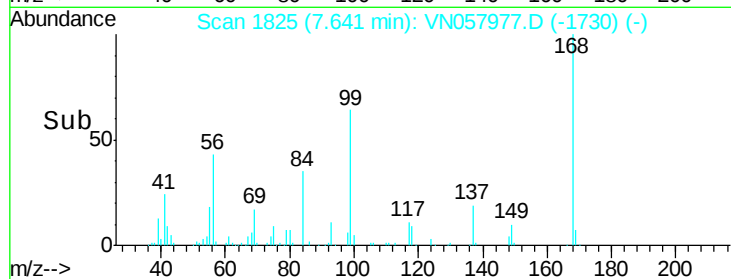
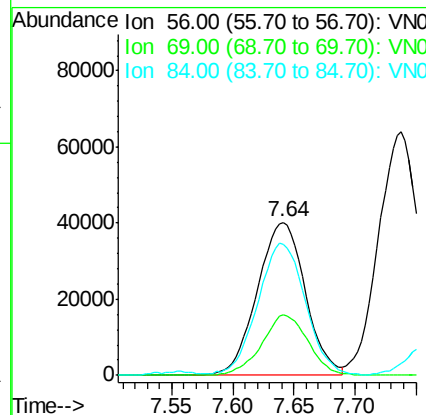
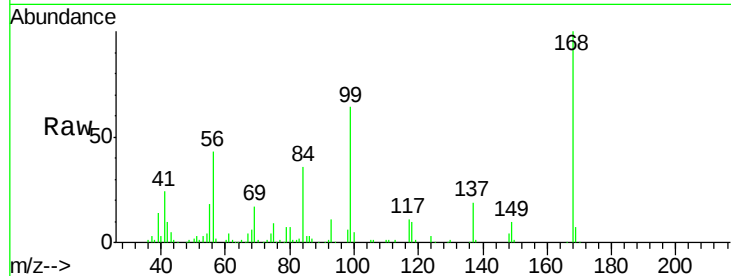
ClientSampleId :

VN0913WBS02

Tot Ion:	56	Resp:	109713
Ion Ratio		Lower	Upper
56	100		
69	39.9	25.9	38.9#
84	84.0	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.013 ug/l

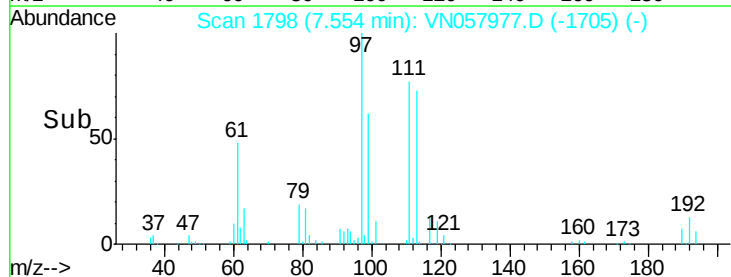
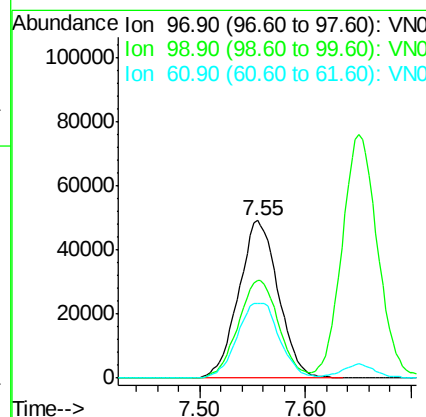
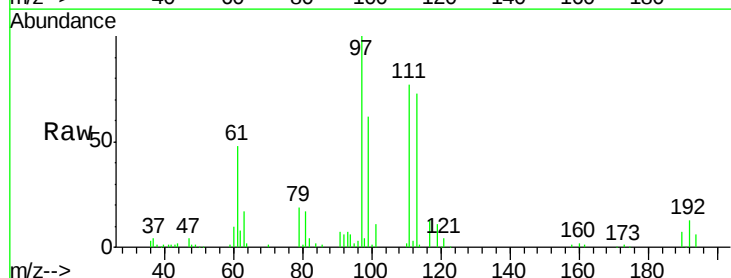
RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	97	Resp:	128482
Ion Ratio		Lower	Upper
97	100		
99	63.0	51.0	76.4
61	50.6	39.0	58.6





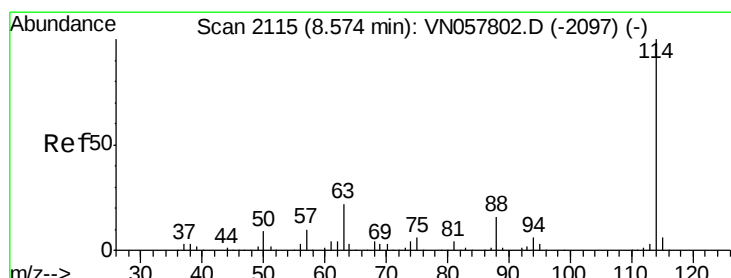
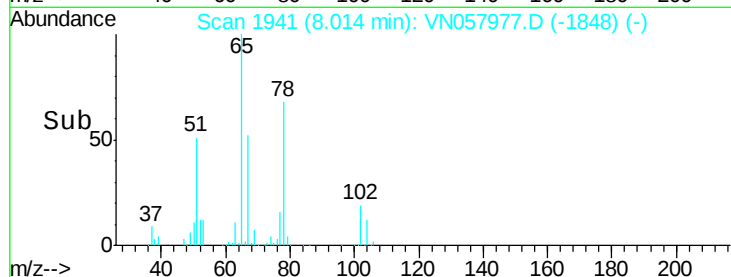
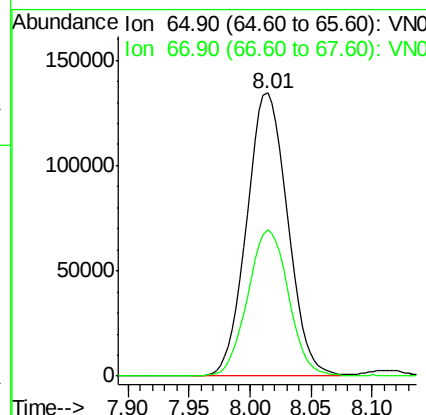
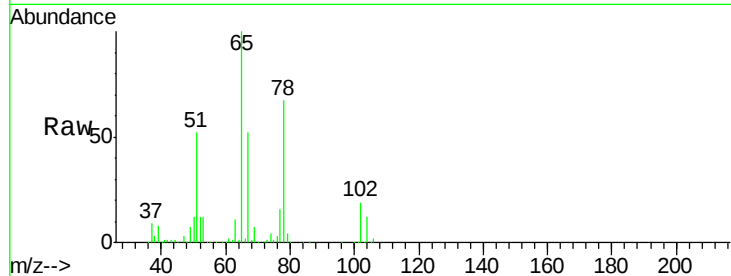
#33
 1,2-Dichloroethane-d4
 Concen: 53.178 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	312215		
67	51.6	0.0	104.0	

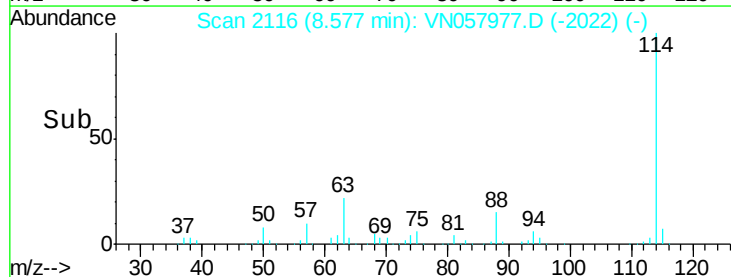
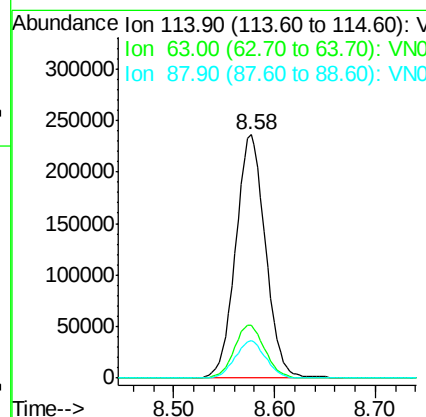
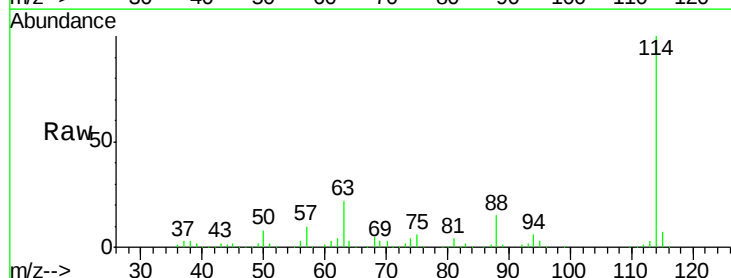
Manual Integrations
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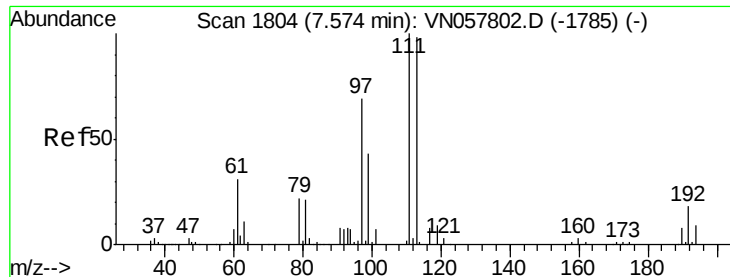
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 9/13/2019 1:05:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	483264		
63	21.7	0.0	44.0	
88	15.3	0.0	31.4	





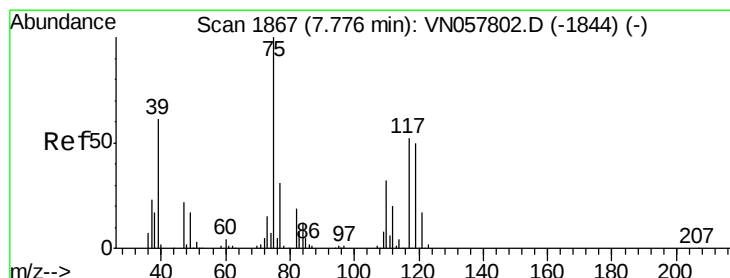
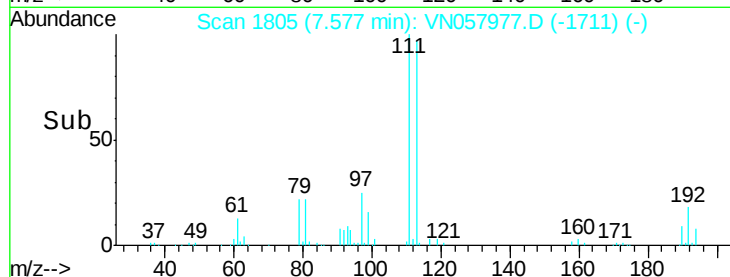
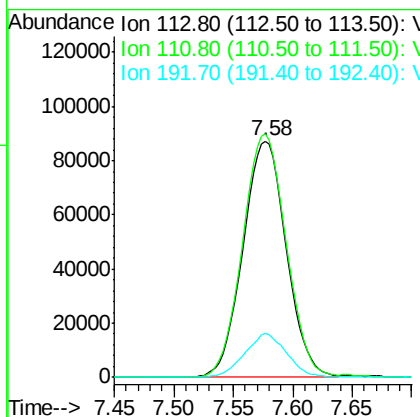
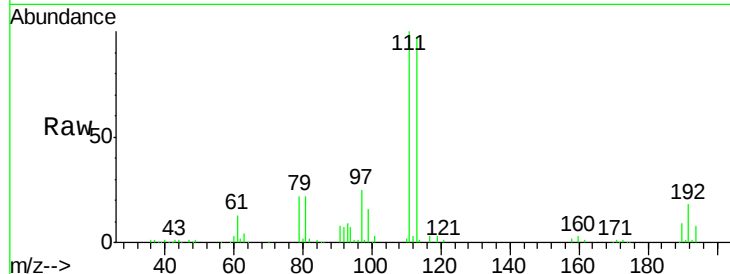
#35
 Dibromofluoromethane
 Concen: 49.271 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219766		
111	103.7	81.3	121.9	
192	17.9	14.6	22.0	

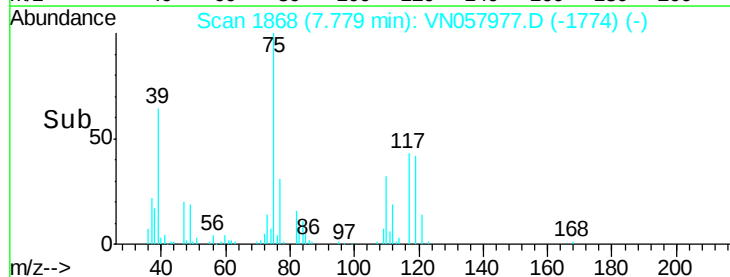
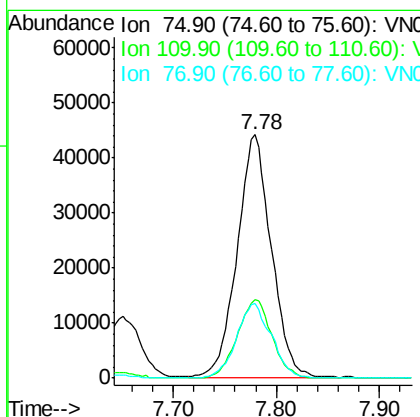
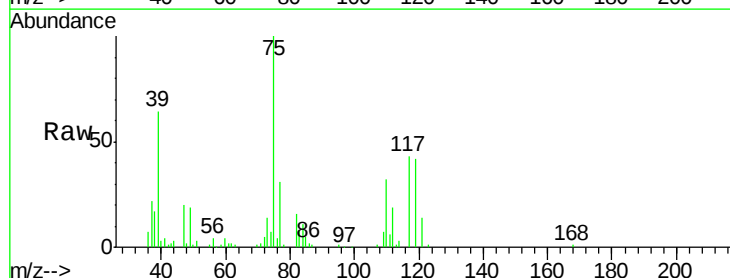
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 18.088 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101376		
110	32.8	16.3	48.9	
77	31.4	25.0	37.4	





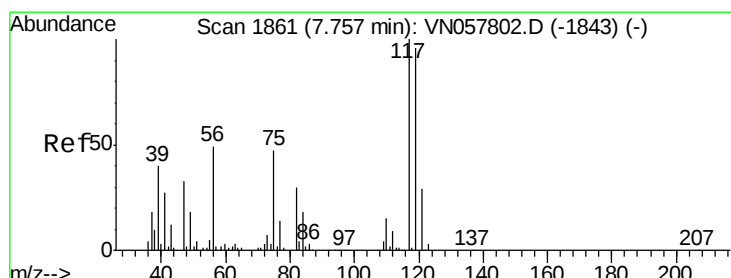
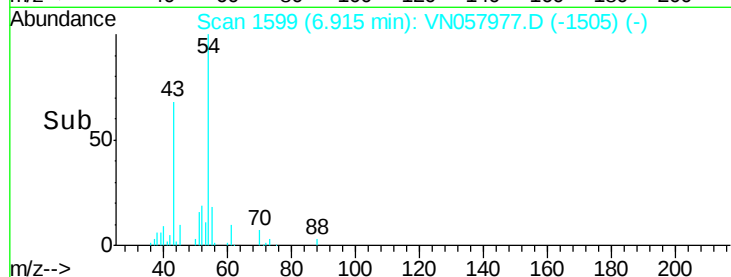
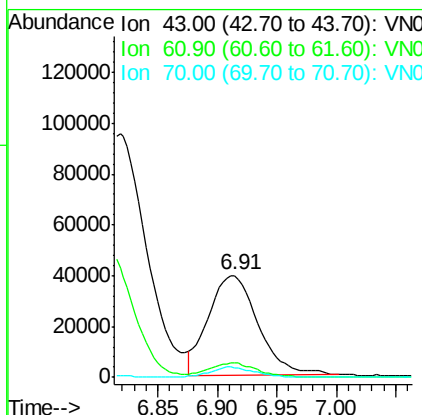
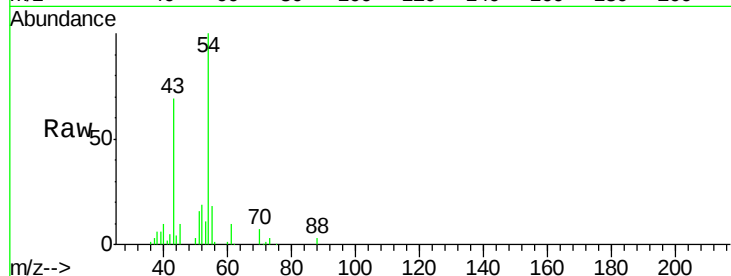
#37
Ethyl Acetate
Concen: 19.615 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.3	7.4	11.0

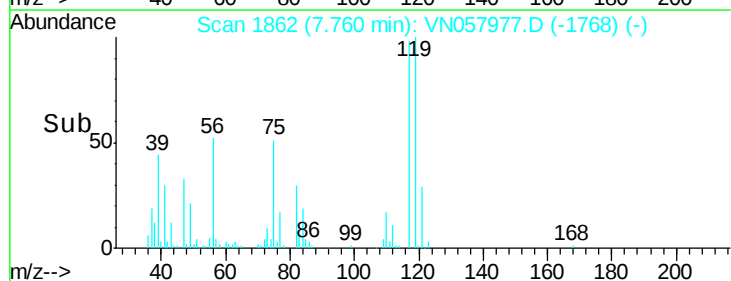
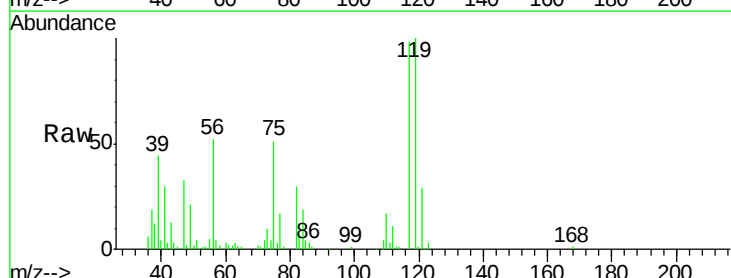
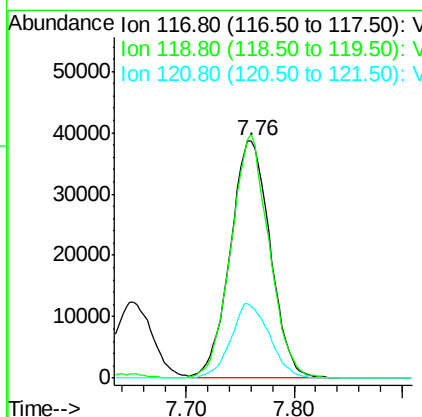
Manual Integrations
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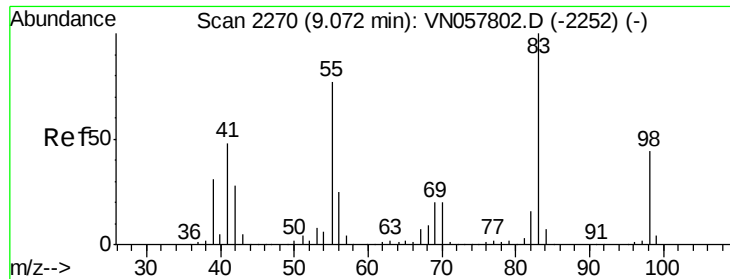
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#38
Carbon Tetrachloride
Concen: 19.541 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.5	76.9	115.3
121	30.1	23.4	35.2





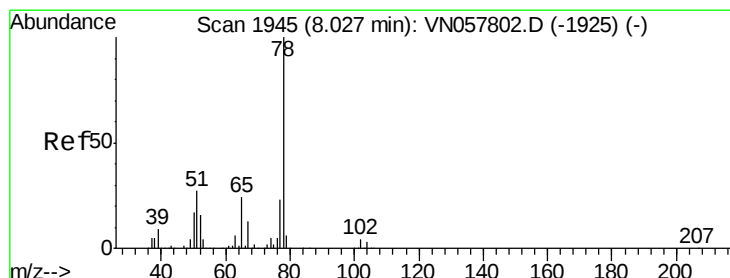
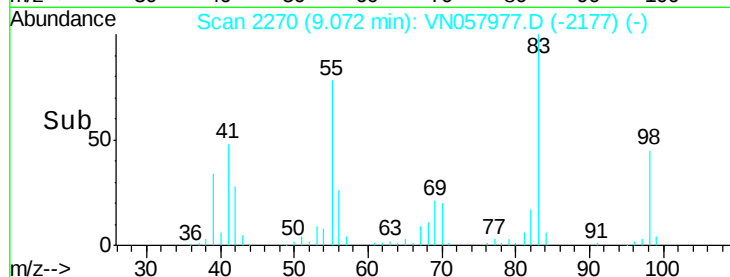
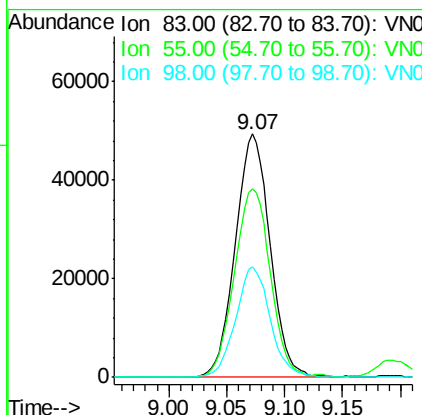
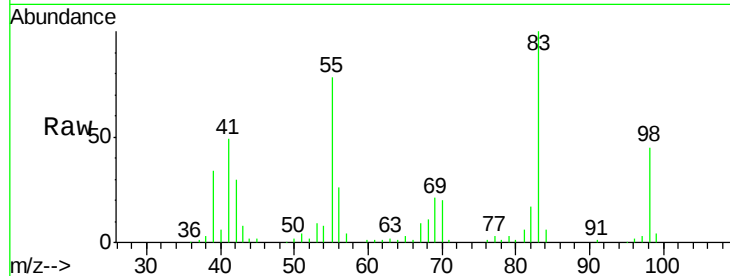
#39
Methvlcvclohexane
Concen: 17.491 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	61.6	92.4
98	45.4	34.9	52.3

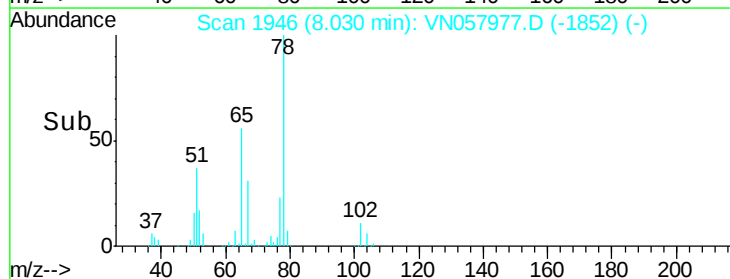
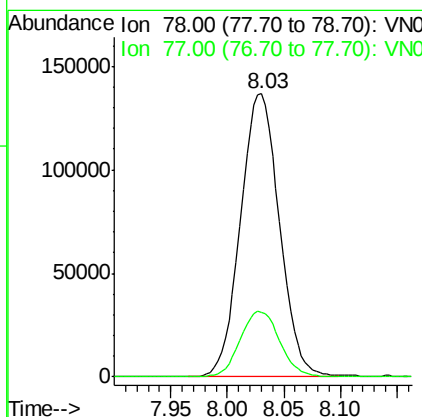
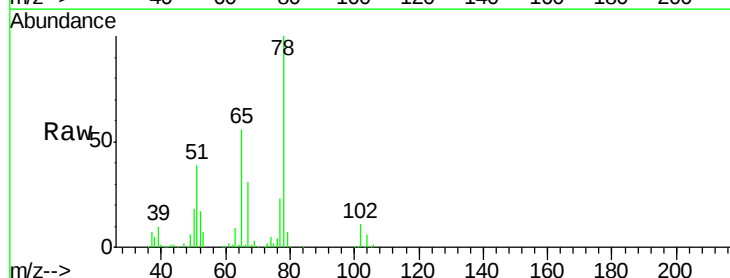
Manual Integrations
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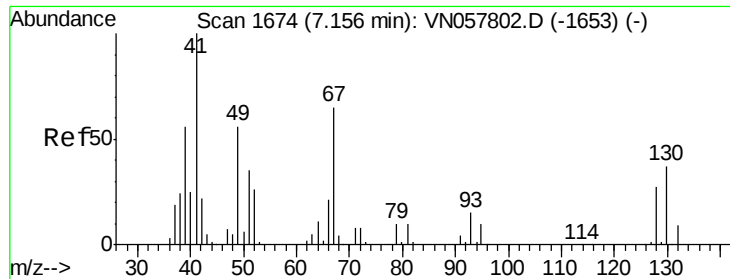
MMDadoda
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#40
Benzene
Concen: 19.426 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.3	27.5





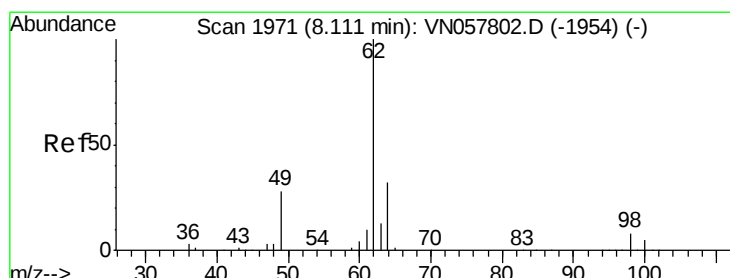
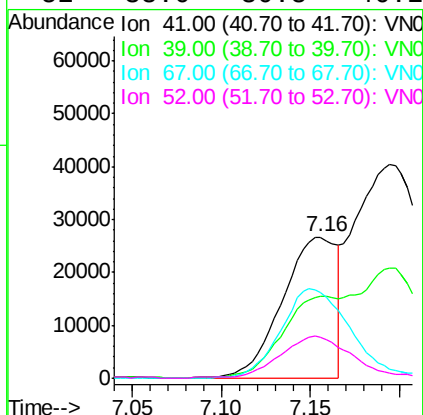
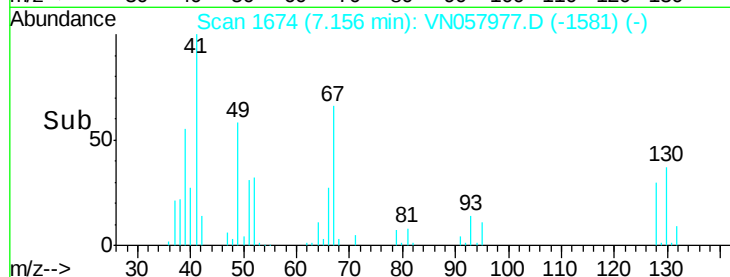
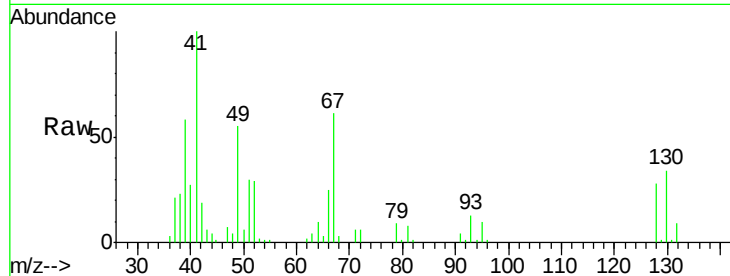
#41
Methacrylonitrile
Concen: 21.554 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.7	51.0	76.6	
67	81.8	70.7	106.1	
52	38.0	30.8	46.2	

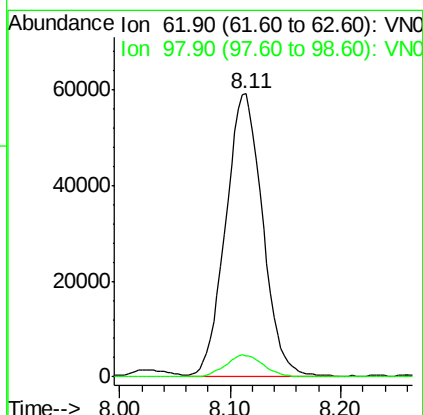
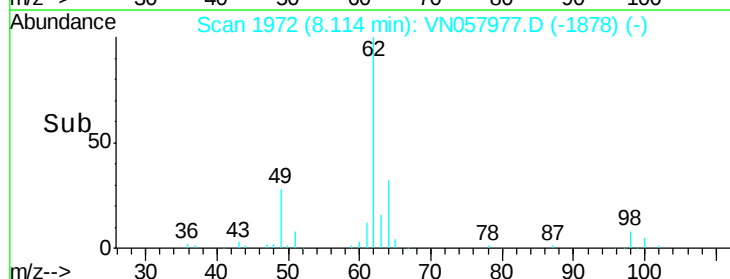
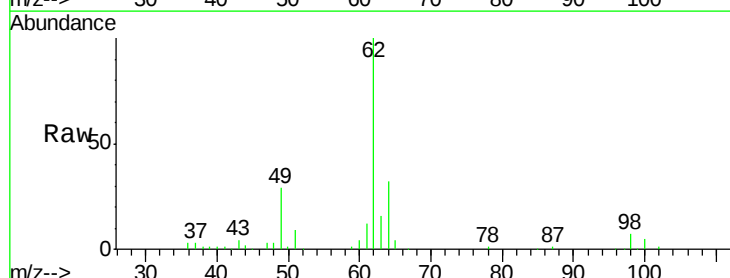
Manual Integrations
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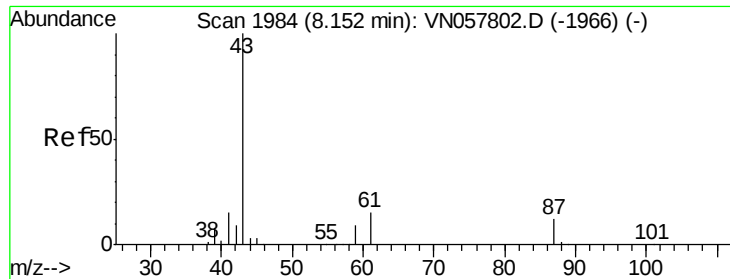
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.438 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.8	





#43

Isopropyl Acetate

Concen: 25.682 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

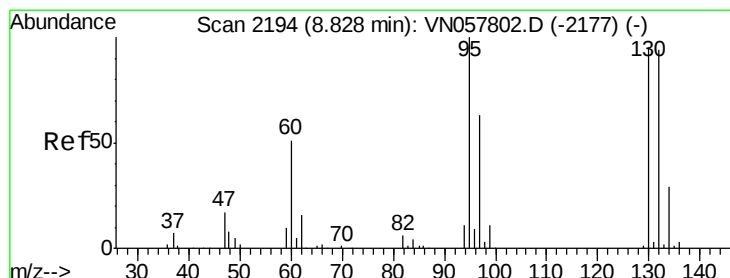
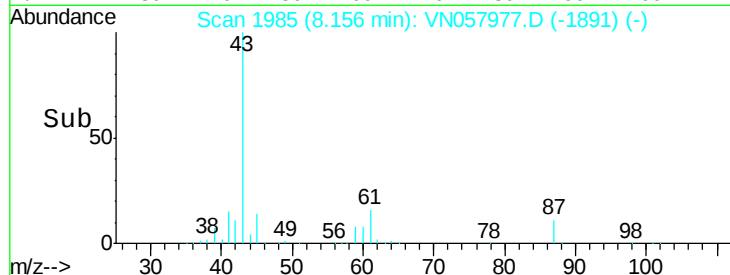
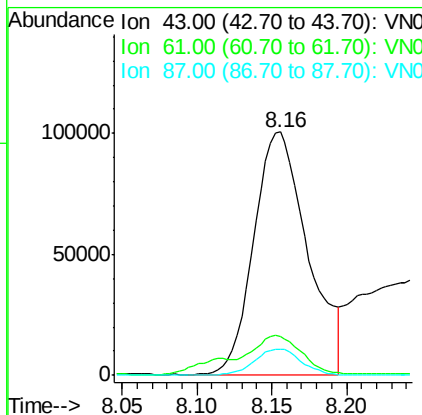
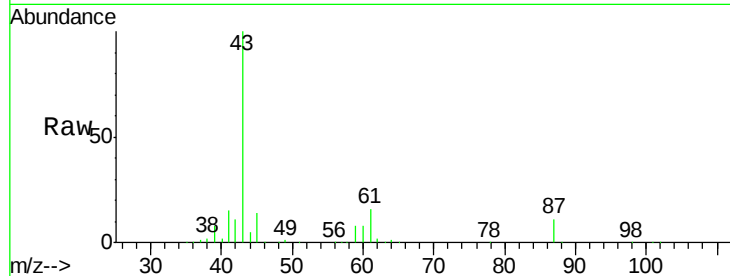
ClientSampleId :

VN0913WBS02

Tot Ion:	43	Resp:	250089
Ion Ratio	Lower	Upper	
43	100		
61	14.2	20.1	30.1#
87	9.5	9.5	14.3#

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#44

Trichloroethene

Concen: 19.099 ug/l

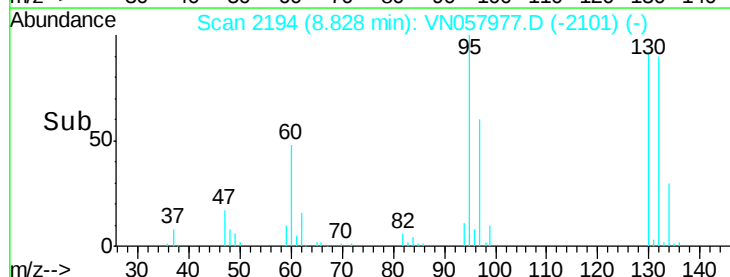
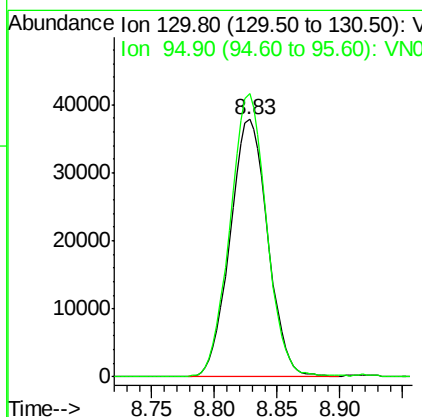
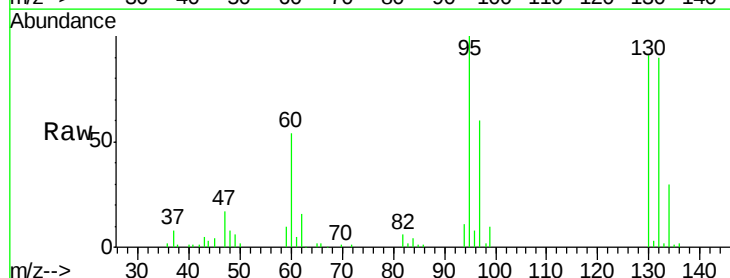
RT: 8.83 min Scan# 2194

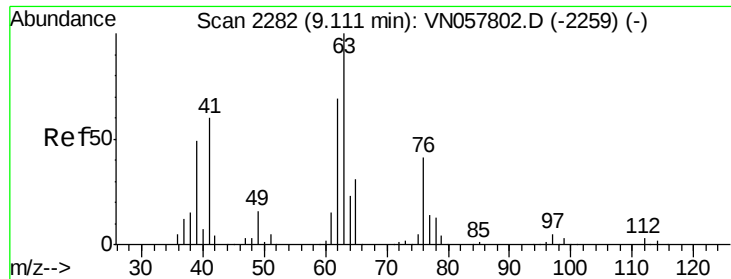
Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	130	Resp:	79042
Ion Ratio	Lower	Upper	
130	100		
95	109.9	0.0	211.4





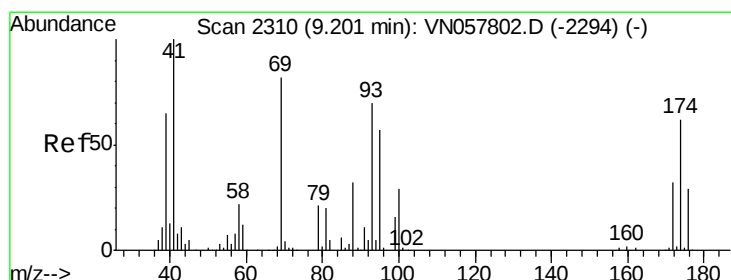
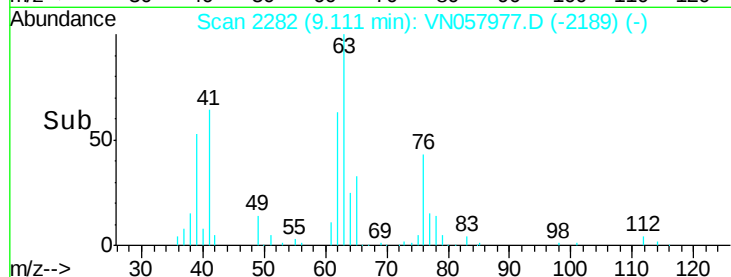
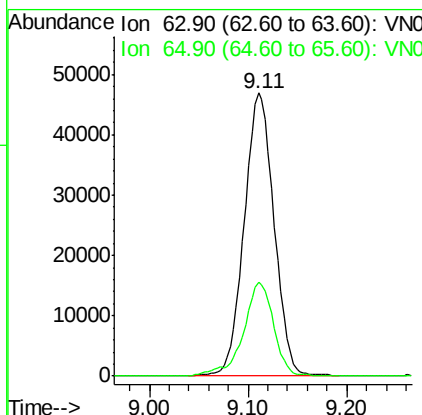
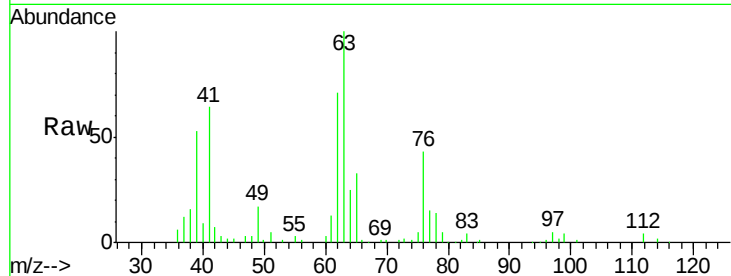
#45
 1,2-Dichloropropane
 Concen: 19.974 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion: 63 Resp: 98070
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.8 37.2

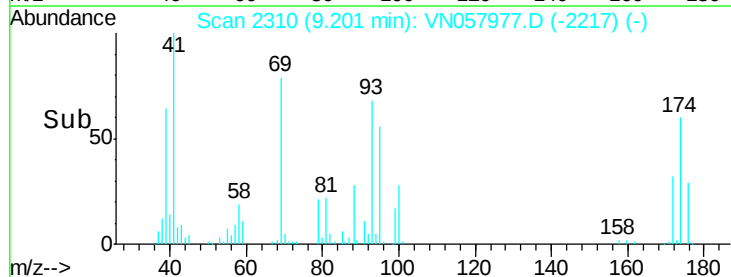
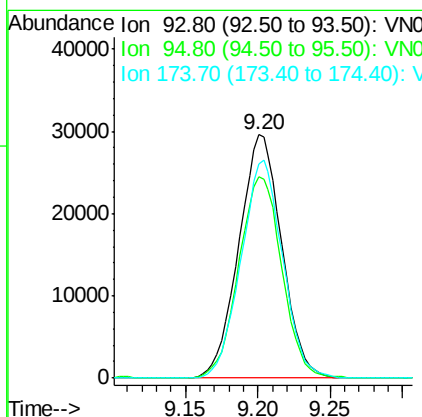
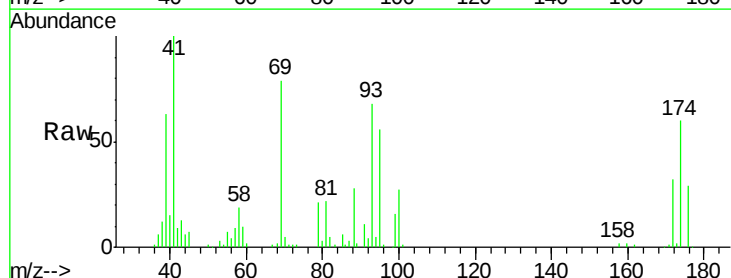
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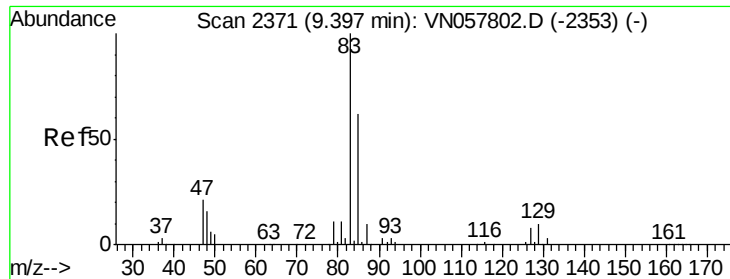
MMDadoda
 9/13/2019 1:05:03 PM



#46
 Dibromomethane
 Concen: 20.480 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion: 93 Resp: 60764
 Ion Ratio Lower Upper
 93 100
 95 83.1 65.9 98.9
 174 87.0 71.8 107.6





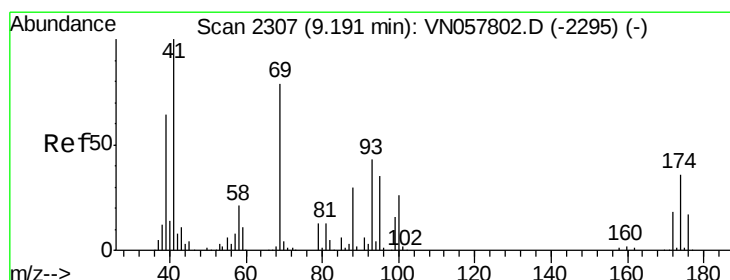
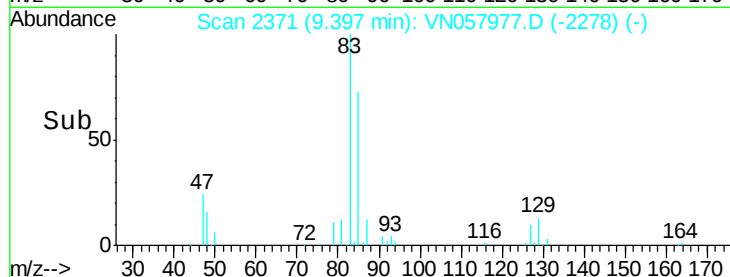
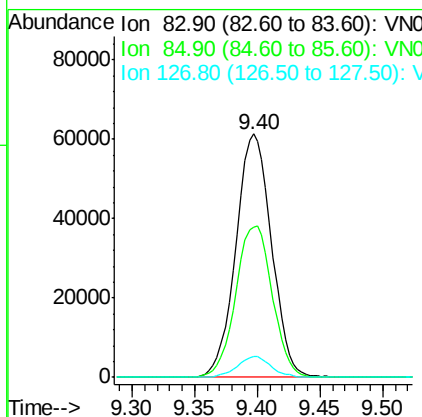
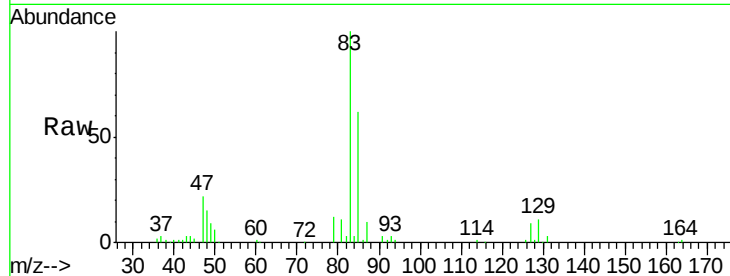
#47
Bromodichloromethane
Concen: 20.485 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	83	Resp	121366
Ion Ratio	100	Lower	Upper
83	100		
85	61.9	49.9	74.9
127	8.7	6.5	9.7

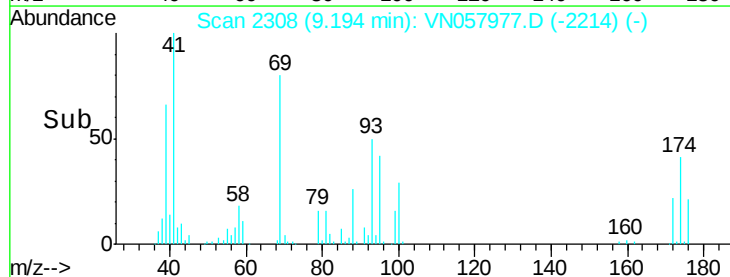
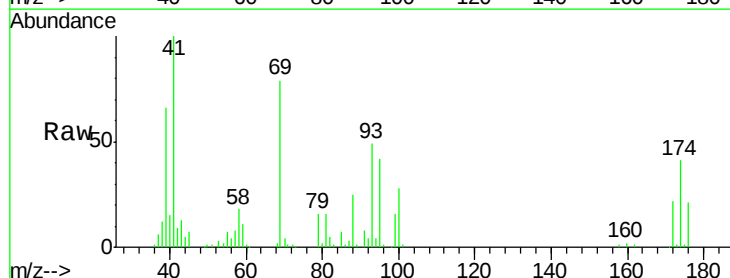
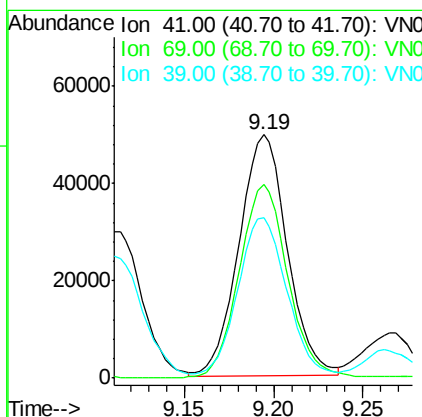
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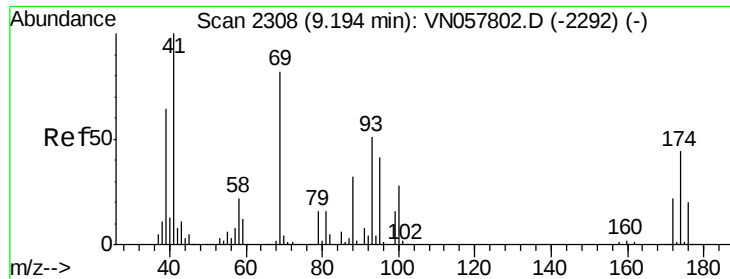
MMDadoda
9/13/2019 1:05:03 PM



#48
Methyl methacrylate
Concen: 19.042 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	41	Resp	94062
Ion Ratio	100	Lower	Upper
41	100		
69	81.0	62.7	94.1
39	67.6	52.7	79.1





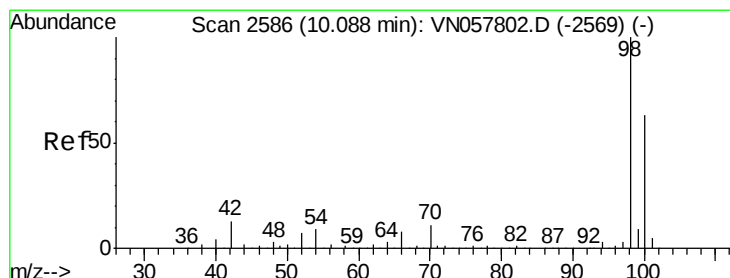
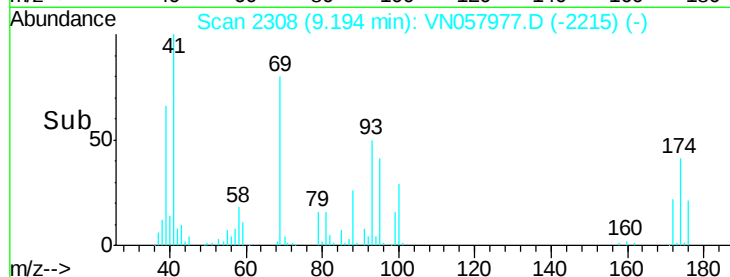
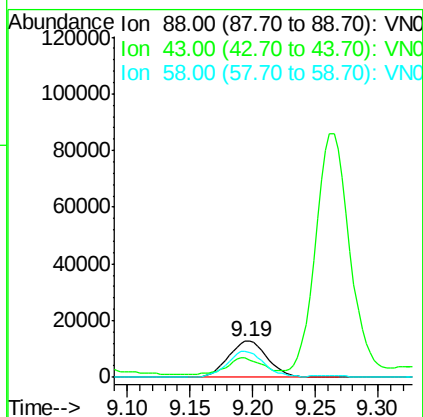
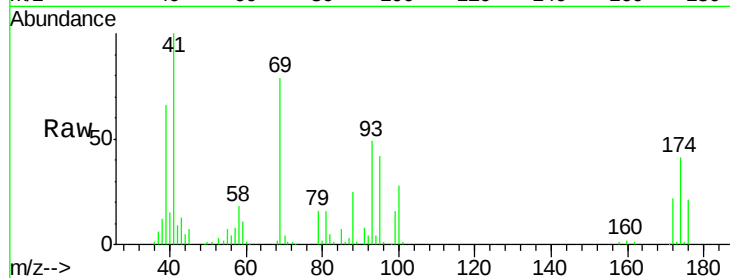
#49
 1,4-Dioxane
 Concen: 333.467 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.5	42.7
58	67.8	55.8	83.6

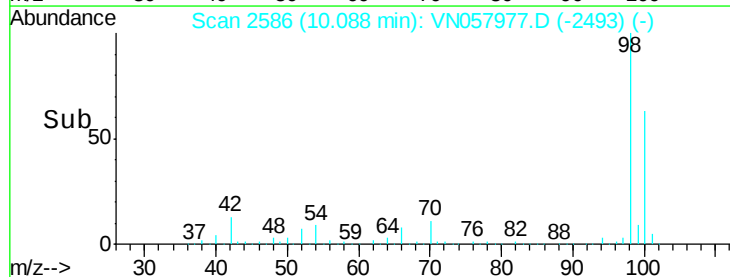
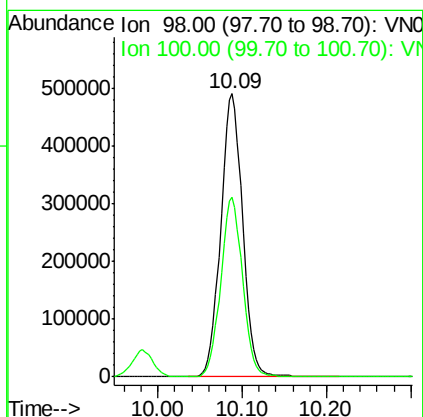
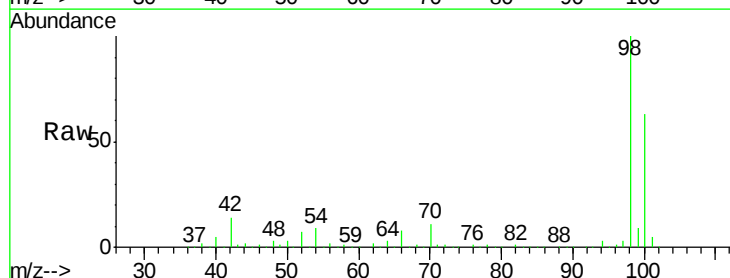
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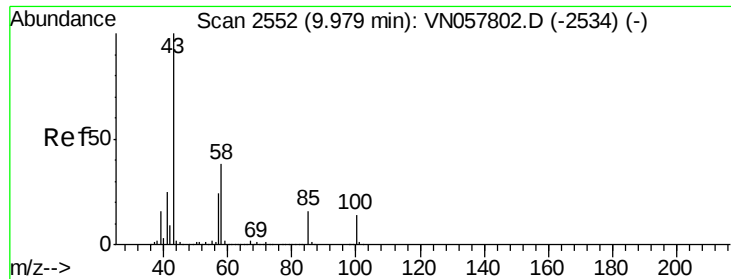
MMDadoda
 9/13/2019 1:05:03 PM



#50
 Toluene-d8
 Concen: 50.953 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 105.858 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 43 Resp: 610014

Ion Ratio Lower Upper

43 100

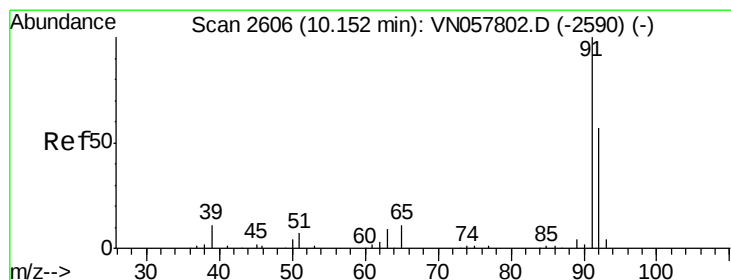
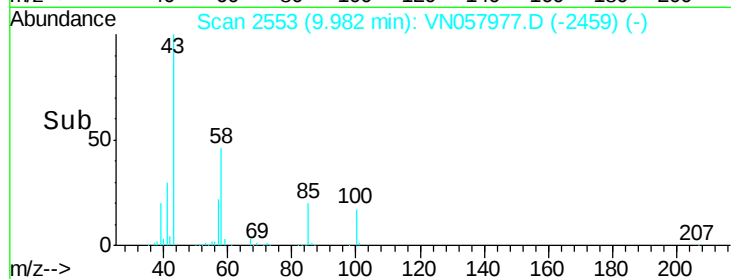
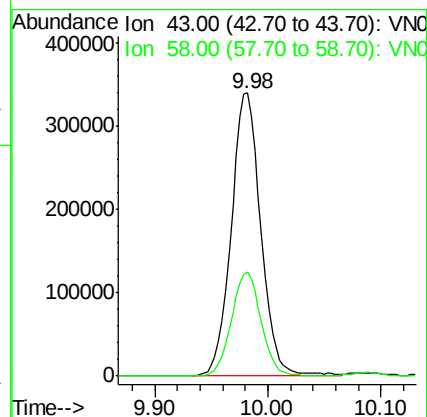
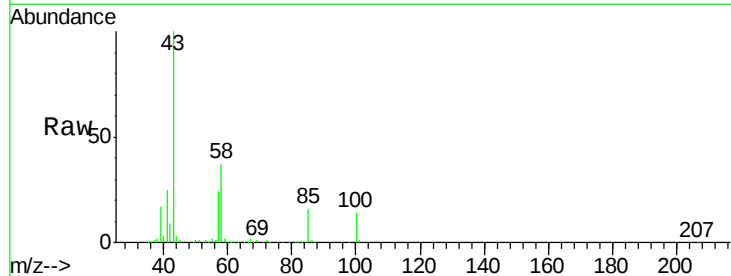
58 37.2 29.8 44.6

Manual Integrations

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9/13/2019 1:05:03 PM



#52

Toluene

Concen: 19.286 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057977.D

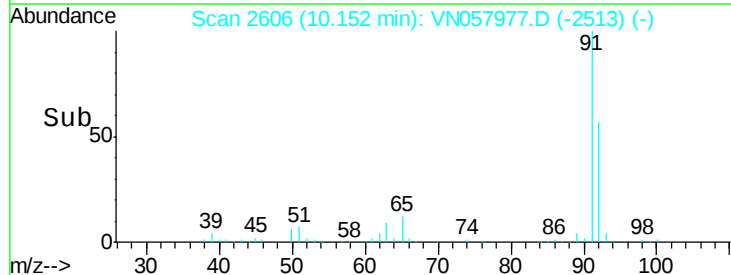
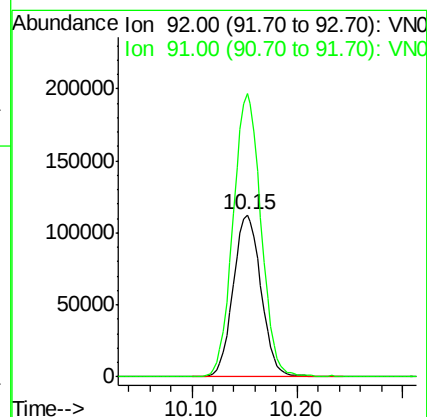
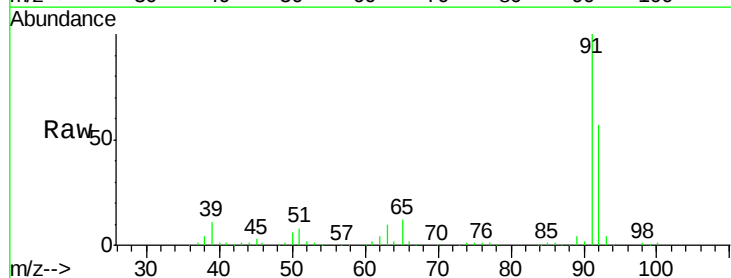
Acq: 12 Sep 2019 18:37

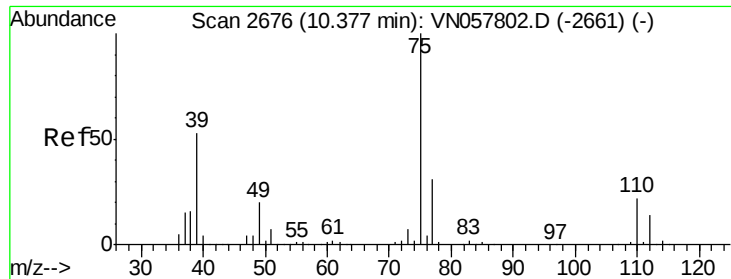
Tgt Ion: 92 Resp: 204959

Ion Ratio Lower Upper

92 100

91 175.1 141.0 211.6





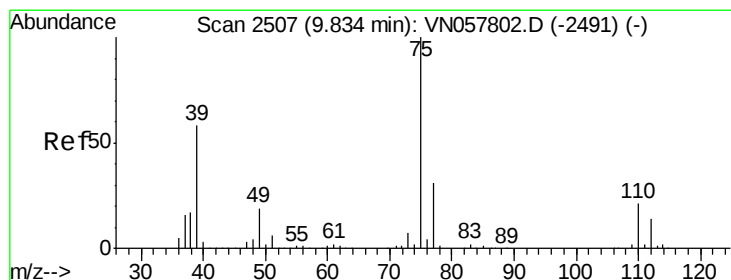
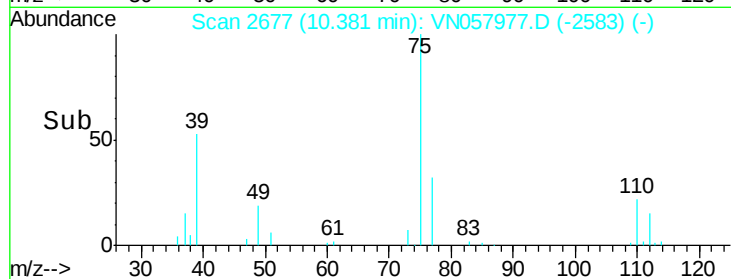
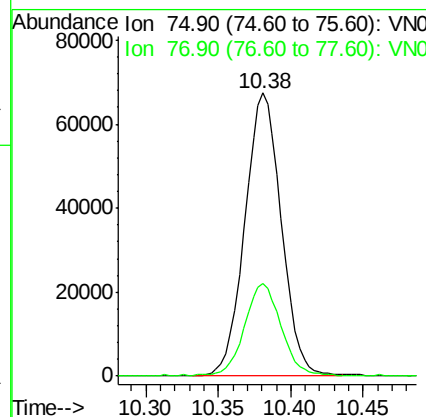
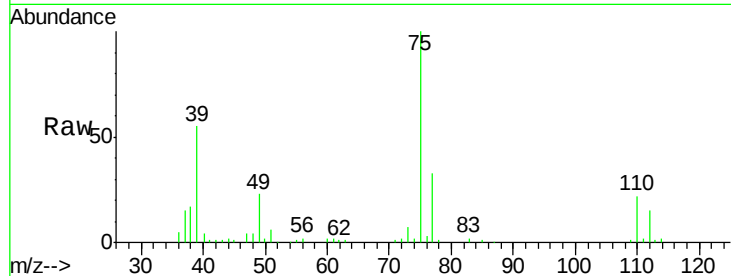
#53
t-1,3-Dichloropropene
Concen: 18.887 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion: 75 Resp: 117836
Ion Ratio Lower Upper
75 100
77 32.2 24.5 36.7

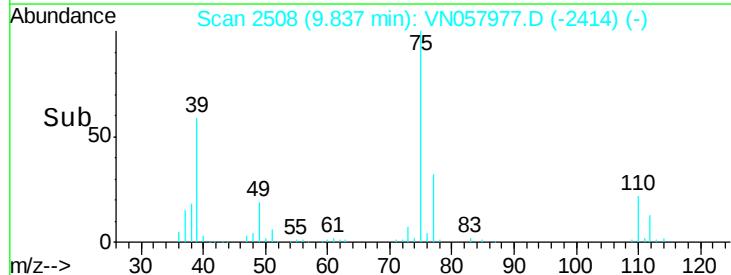
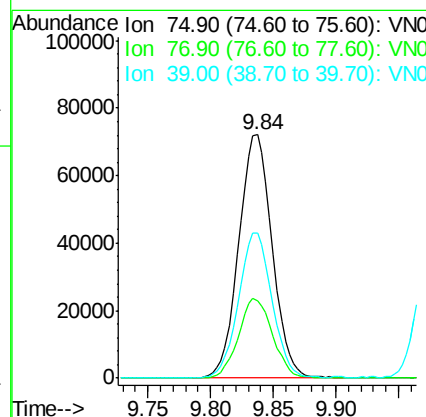
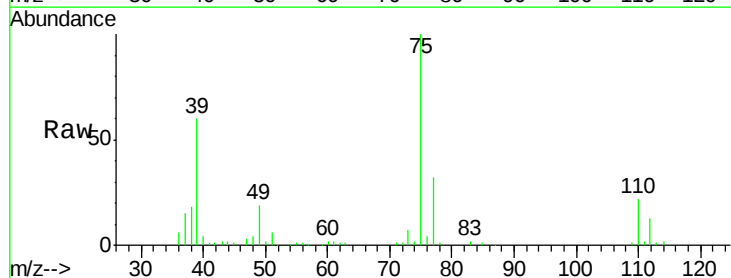
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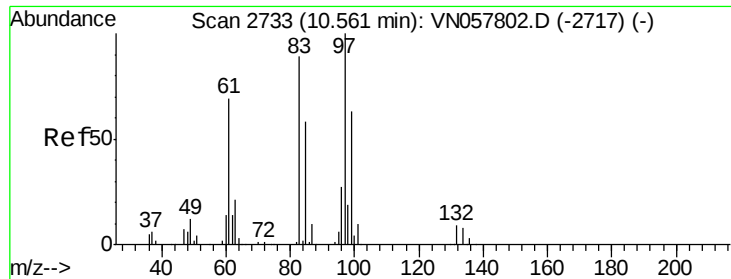
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.389 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 75 Resp: 133558
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 59.8 46.2 69.4





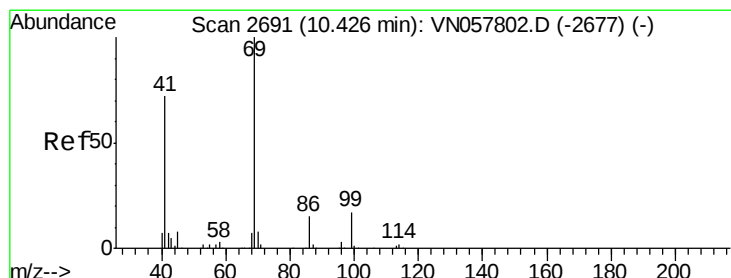
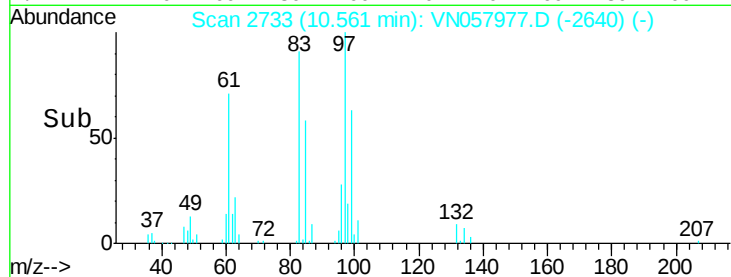
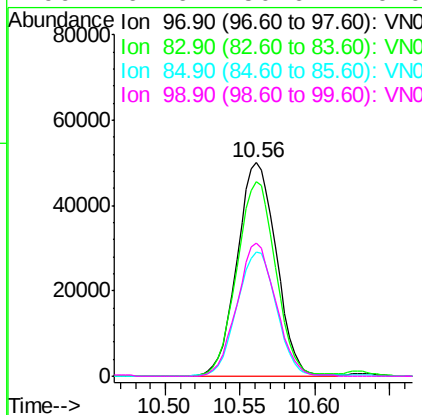
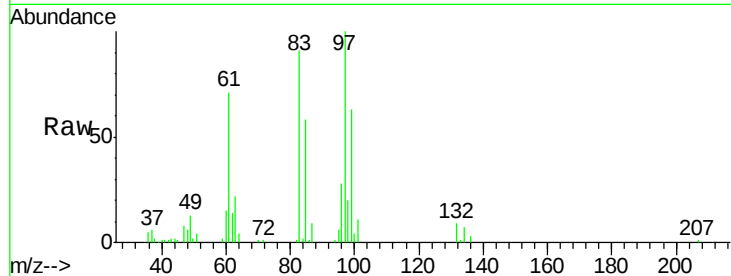
#55
 1,1,2-Trichloroethane
 Concen: 20.298 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion:	97	Resp:	91375
Ion	Ratio	Lower	Upper
97	100		
83	91.0	70.8	106.2
85	58.2	46.0	69.0
99	62.6	50.6	76.0

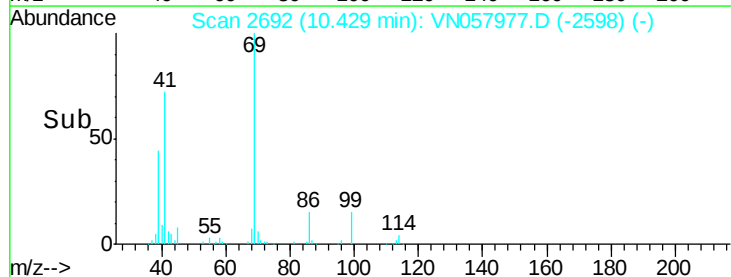
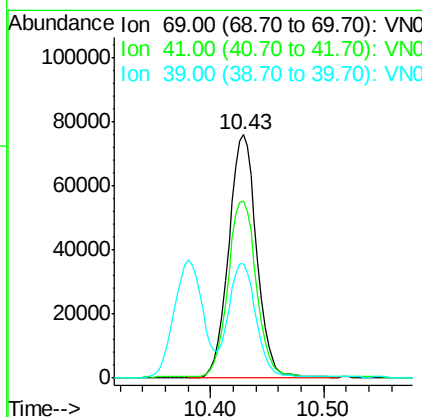
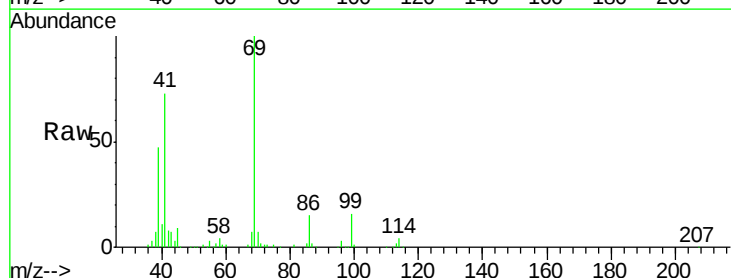
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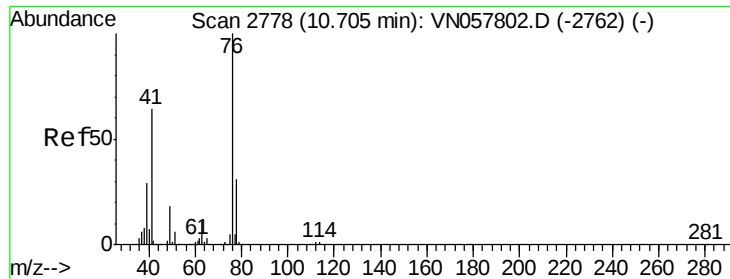
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#56
 Ethyl methacrylate
 Concen: 19.370 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion:	69	Resp:	131310
Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.7	85.1
39	46.5	36.3	54.5





#57

1,3-Dichloropropane

Concen: 19.900 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 76 Resp: 154384

Ion Ratio Lower Upper

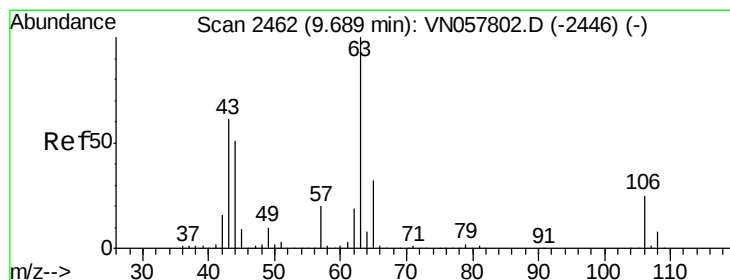
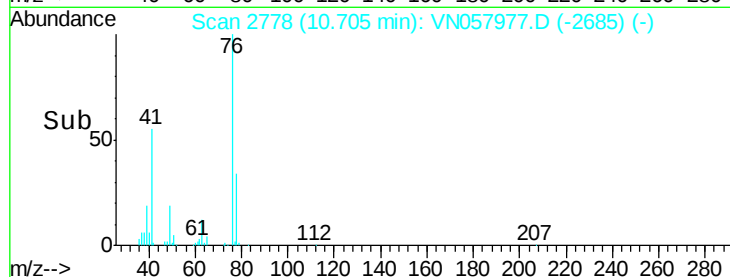
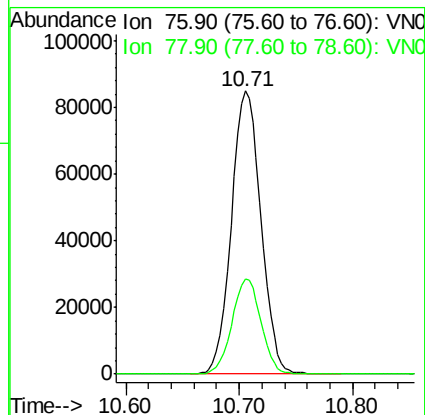
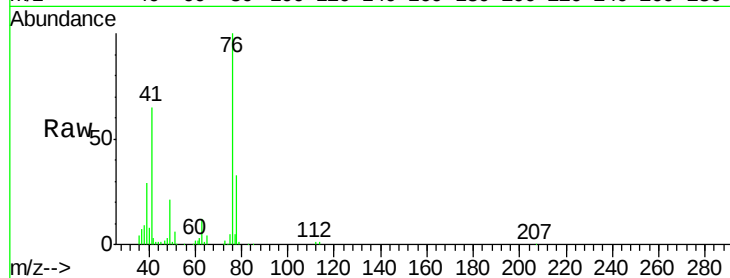
76 100

78 33.0 25.4 38.2

Manual Integrations
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MMDadoda

9/13/2019 1:05:03 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.135 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057977.D

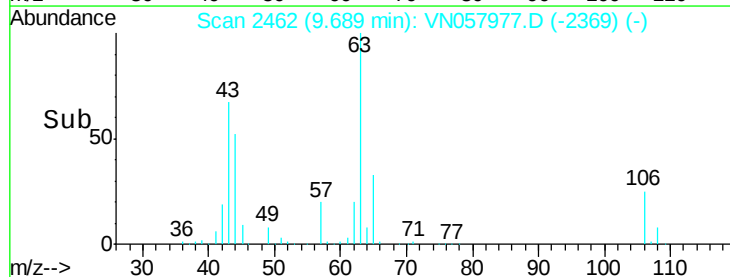
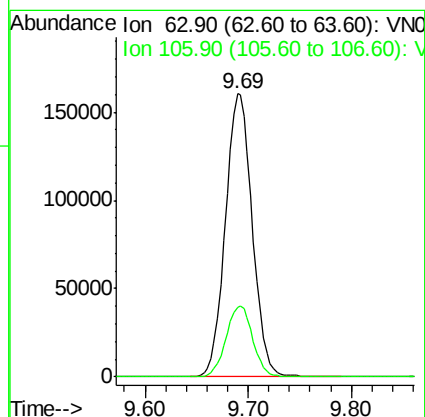
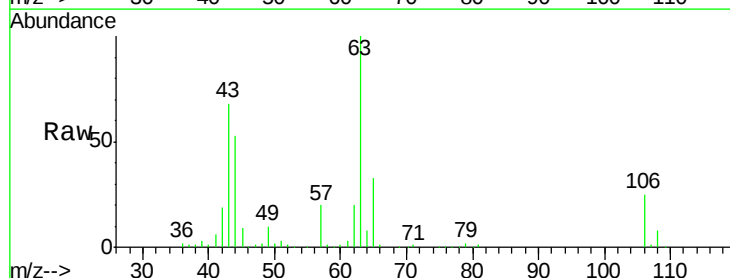
Acq: 12 Sep 2019 18:37

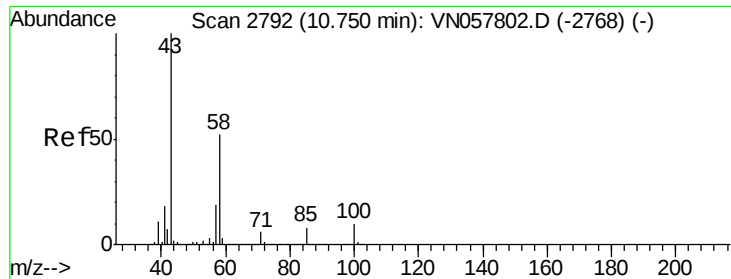
Tgt Ion: 63 Resp: 290985

Ion Ratio Lower Upper

63 100

106 24.9 20.0 30.0





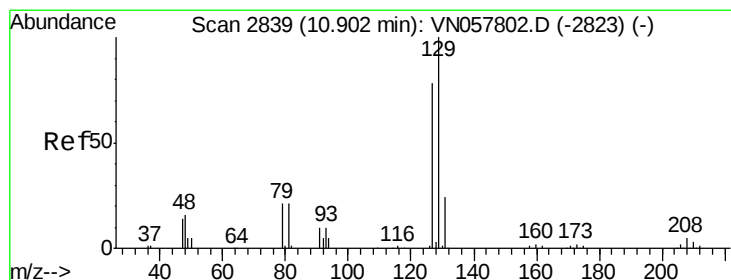
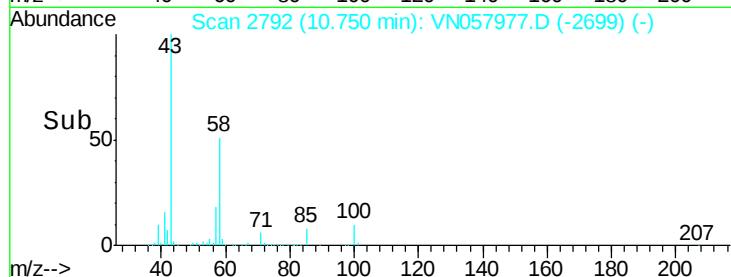
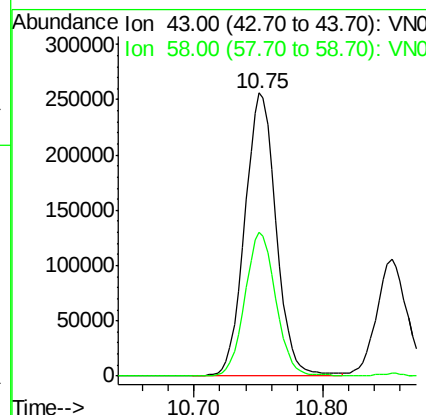
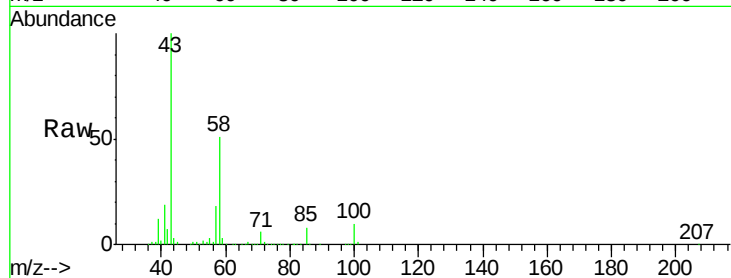
#59
2-Hexanone
Concen: 99.383 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion: 43 Resp: 429263
Ion Ratio Lower Upper
43 100
58 50.5 25.6 76.8

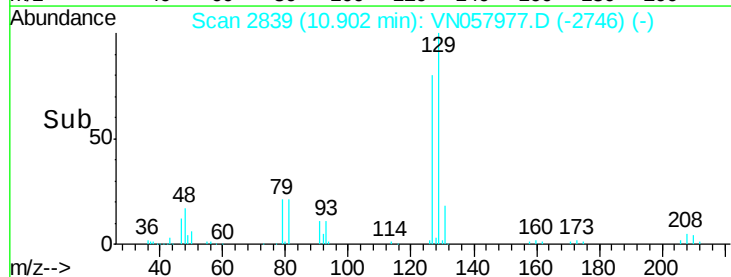
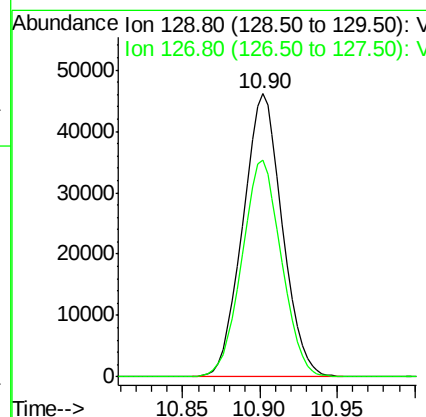
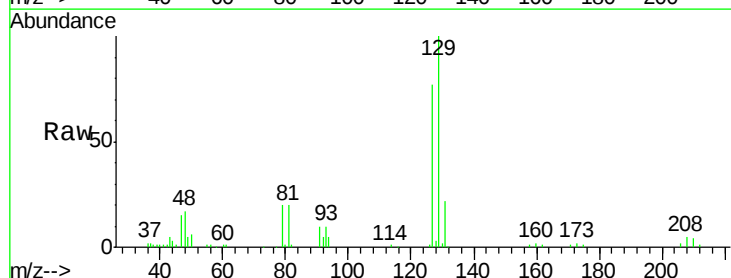
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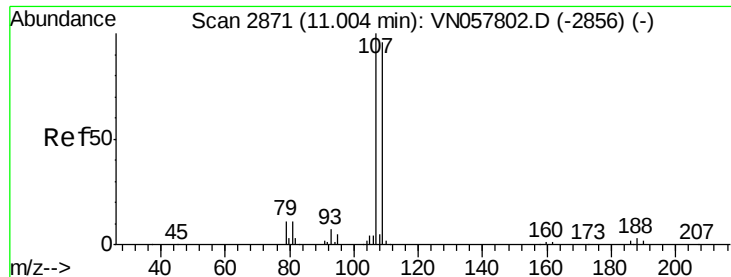
MMDadoda
9/13/2019 1:05:03 PM



#60
Dibromochloromethane
Concen: 19.563 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion: 129 Resp: 81779
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





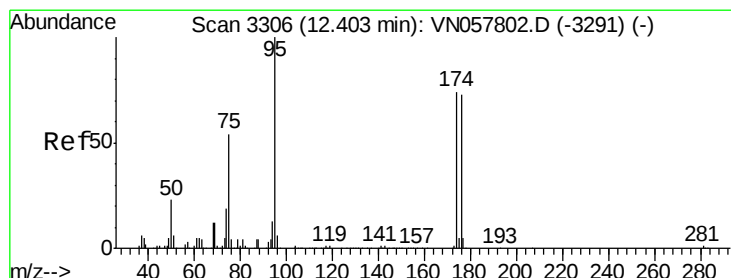
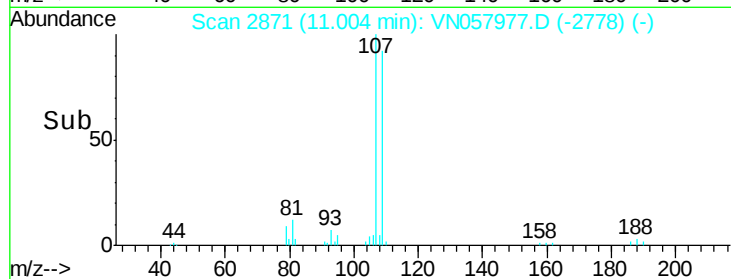
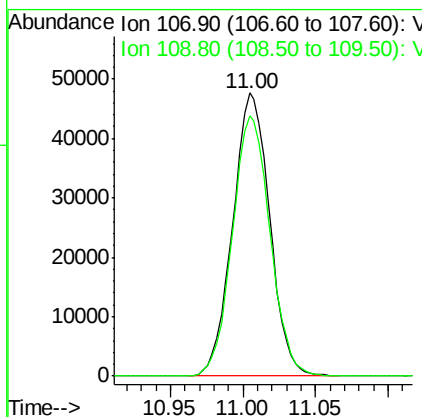
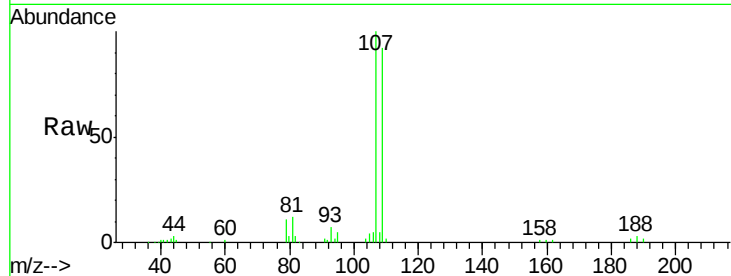
#61
 1,2-Dibromoethane
 Concen: 19.848 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	75.3	112.9

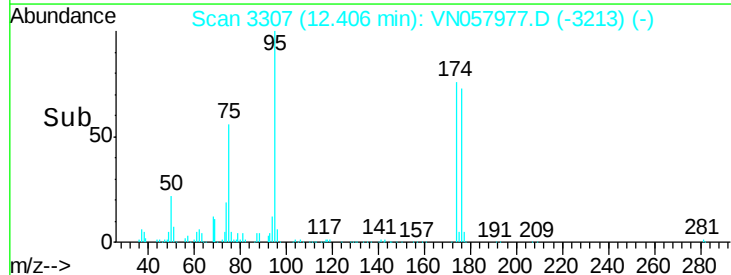
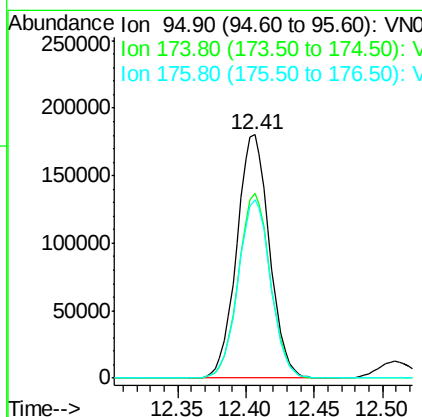
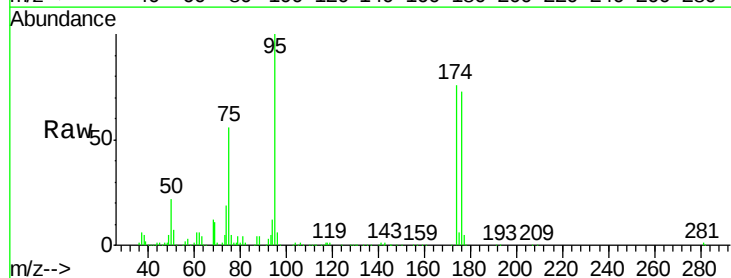
Manual Integrations
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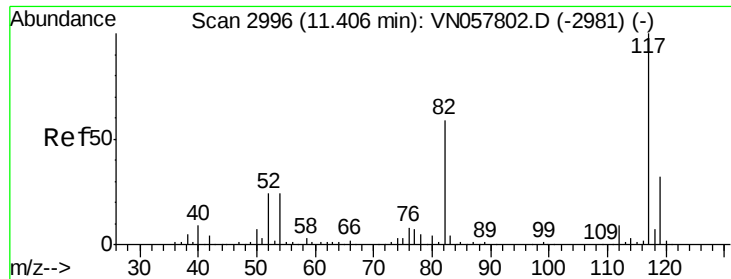
MMDadoda
 9/13/2019 1:05:03 PM



#62
 4-Bromofluorobenzene
 Concen: 45.431 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.2
176	72.7	0.0	146.0





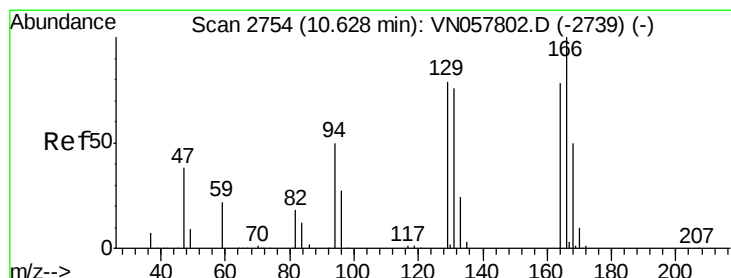
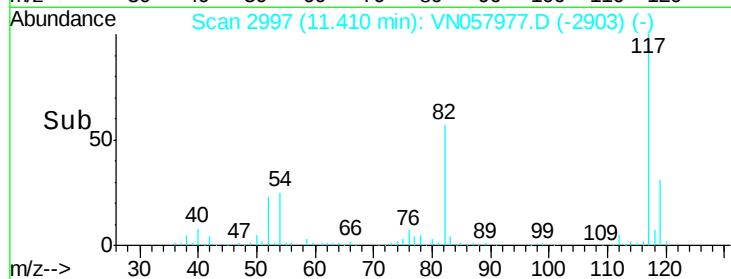
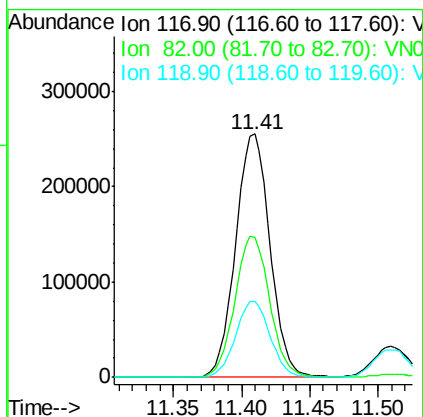
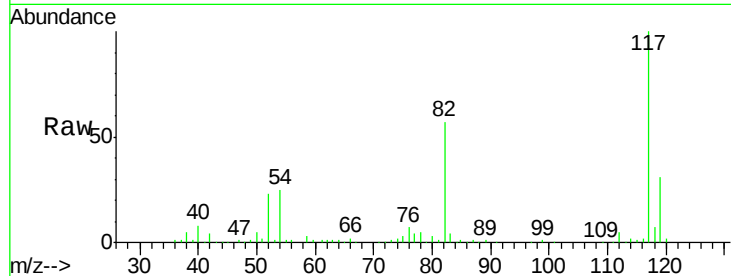
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	47.2	70.8
119	31.3	25.3	37.9

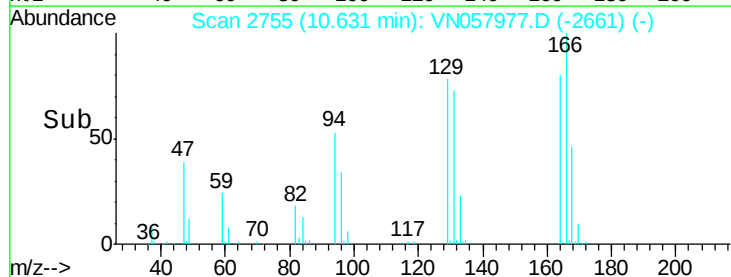
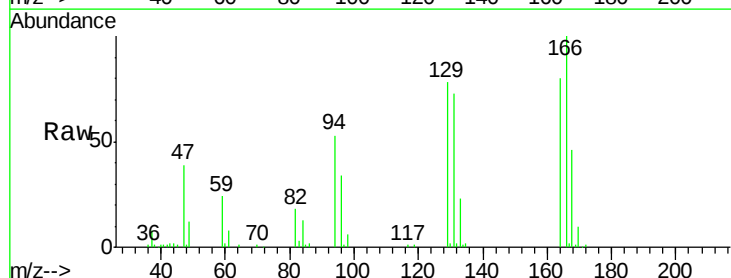
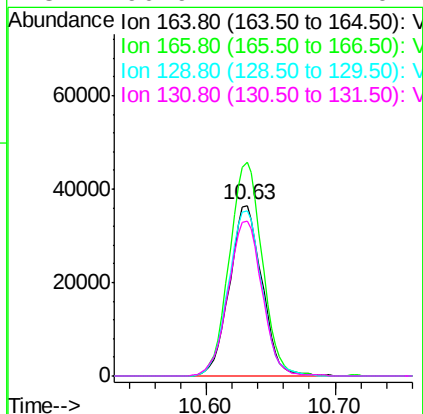
Manual Integrations
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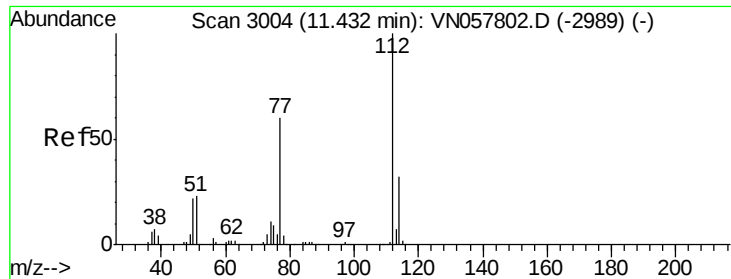
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9/13/2019 1:05:03 PM



#64
Tetrachloroethene
Concen: 19.320 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	102.2	153.2
129	97.1	80.8	121.2
131	90.9	77.4	116.2





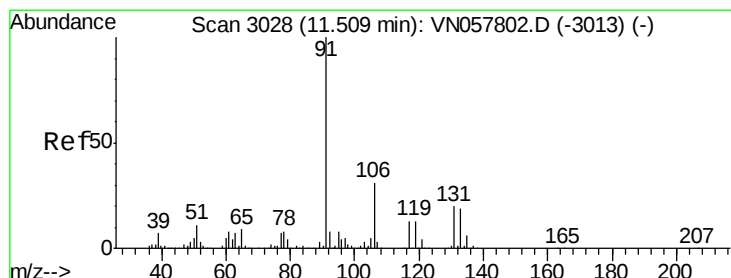
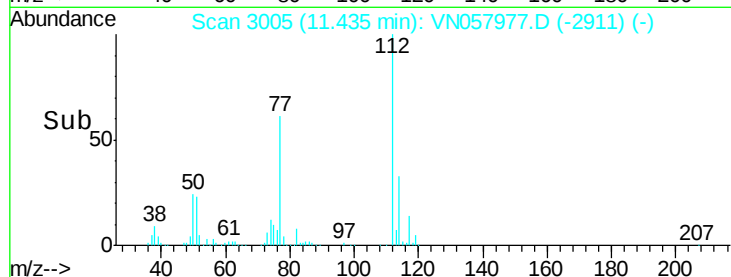
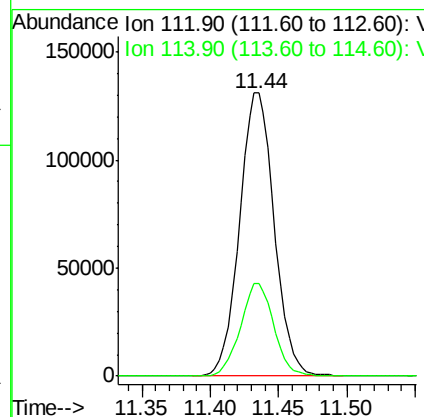
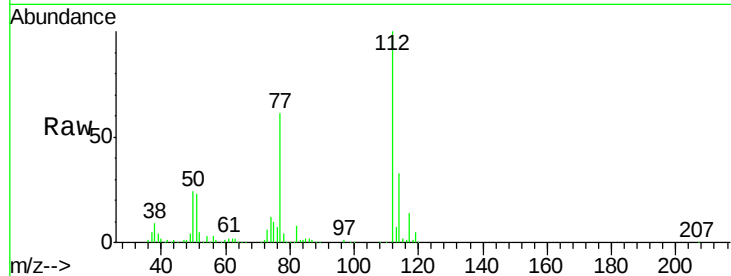
#65
Chlorobenzene
Concen: 19.701 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampled :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.2	37.8

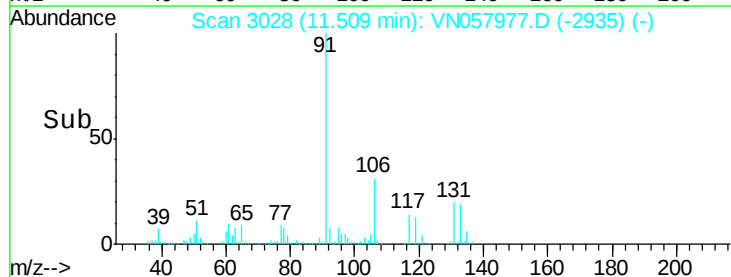
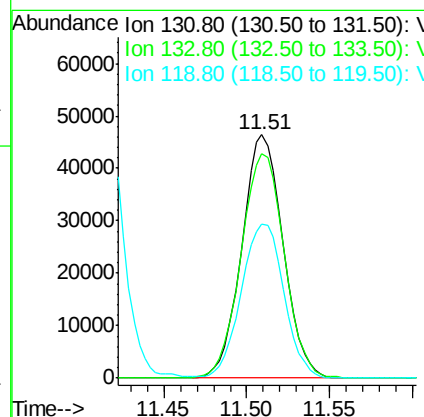
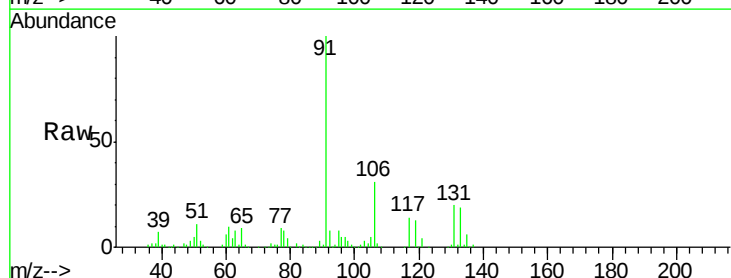
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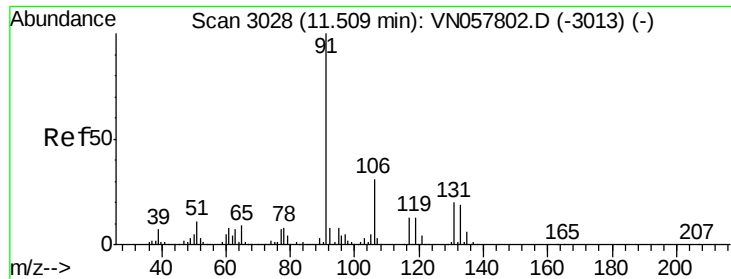
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.737 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.1	141.3
119	65.9	33.3	99.8





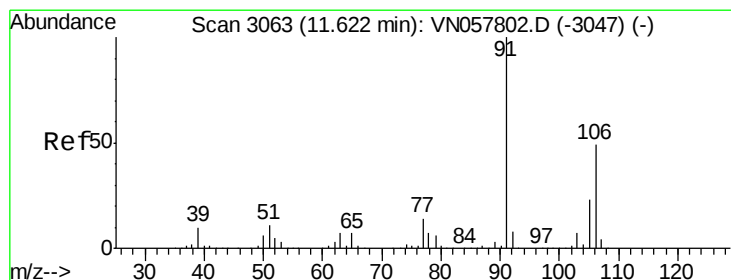
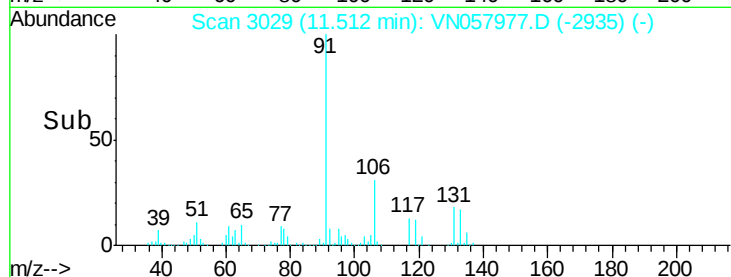
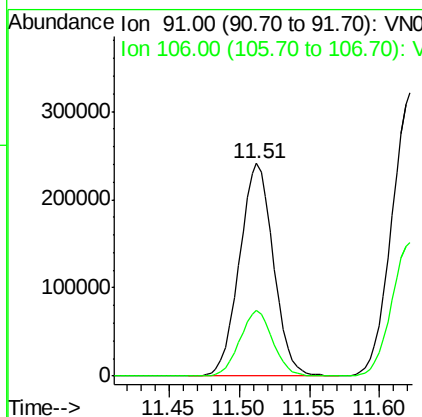
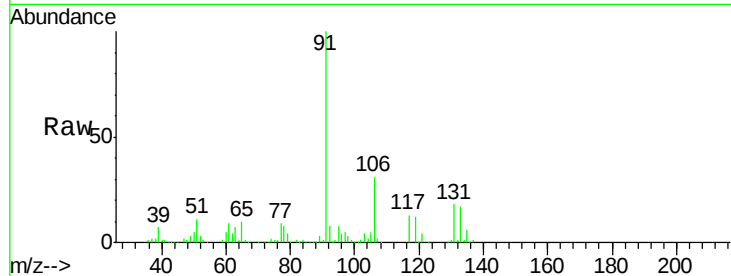
#67
Ethyl Benzene
Concen: 19.764 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.4	36.6

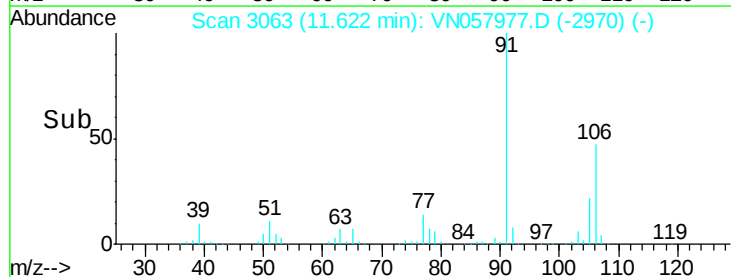
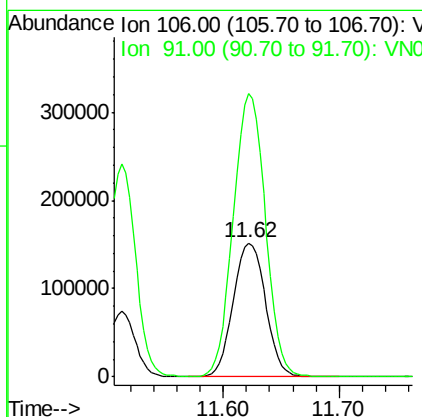
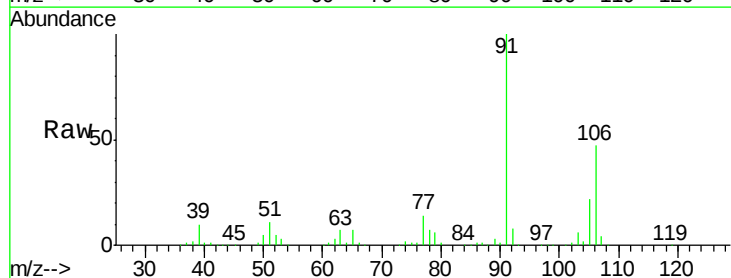
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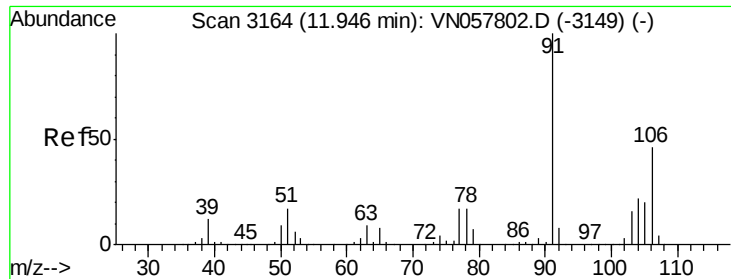
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#68
m/p-Xylenes
Concen: 39.104 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	209.3	165.8	248.6





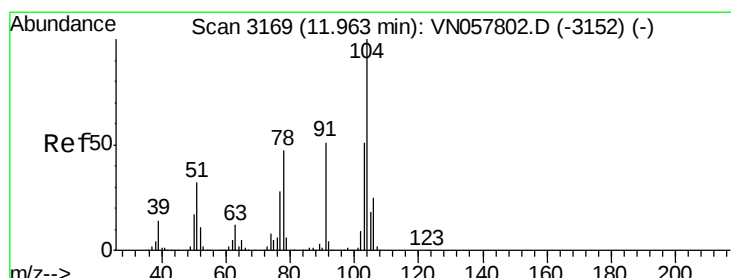
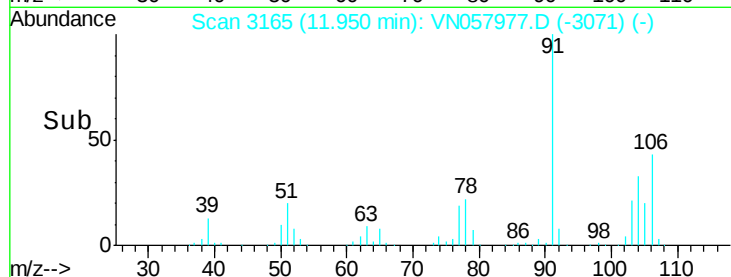
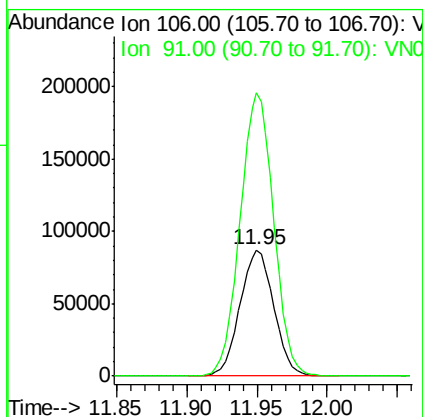
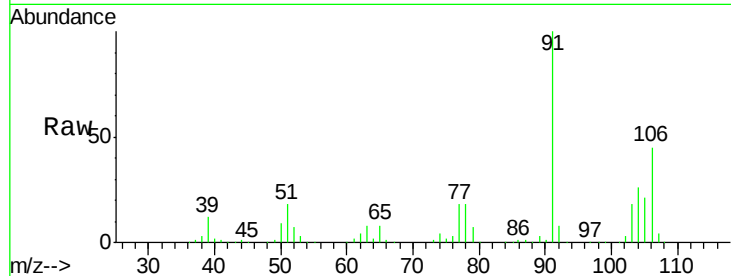
#69
o-Xylene
Concen: 19.608 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion:106 Resp: 146700
Ion Ratio Lower Upper
106 100
91 223.0 108.7 326.1

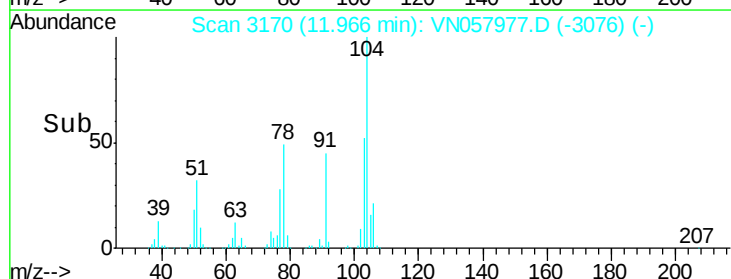
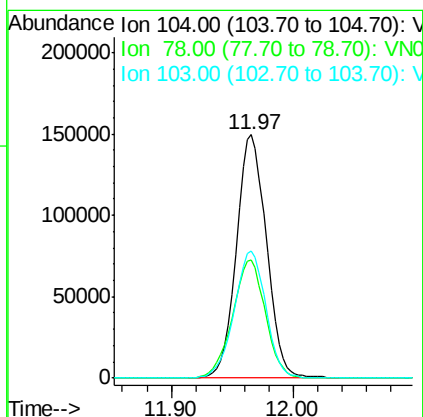
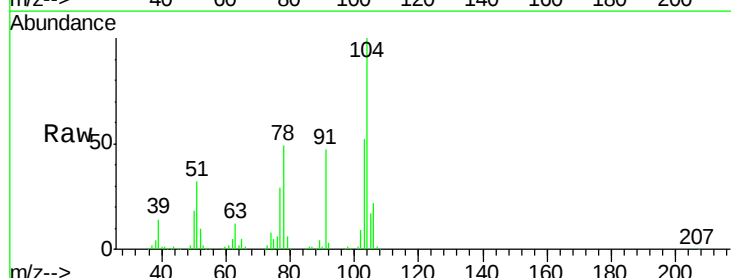
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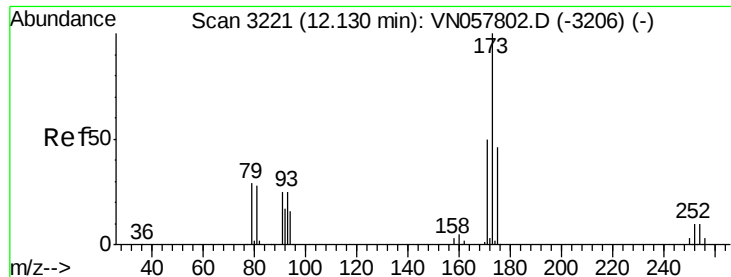
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#70
Styrene
Concen: 19.747 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion:104 Resp: 254267
Ion Ratio Lower Upper
104 100
78 53.3 41.3 61.9
103 55.2 43.7 65.5





#71

Bromoform

Concen: 18.759 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion:173 Resp: 47576

Ion Ratio Lower Upper

173 100

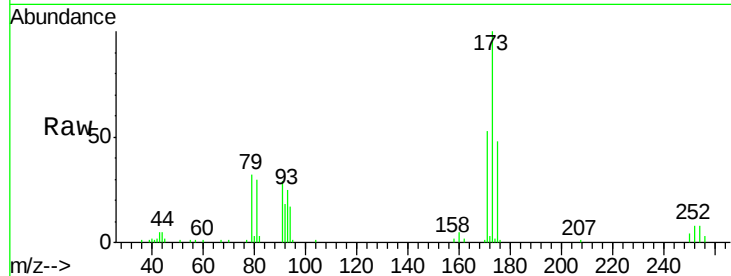
175 47.2 23.5 70.6

254 0.0 0.1 0.1#

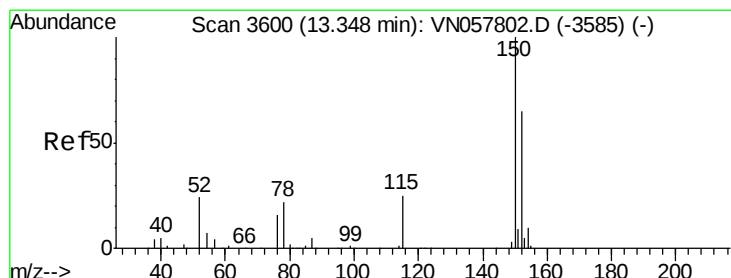
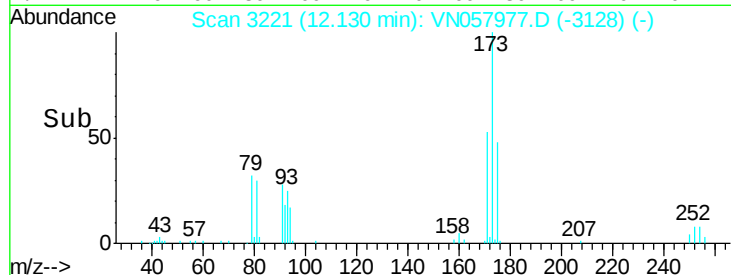
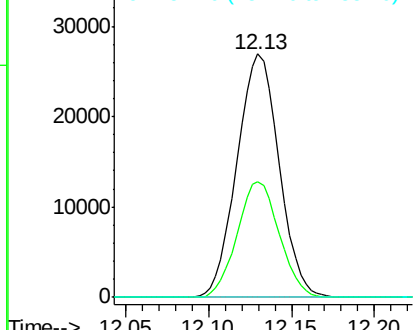
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

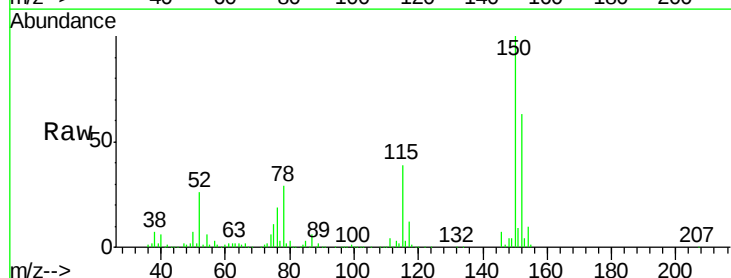
Tgt Ion:152 Resp: 256792

Ion Ratio Lower Upper

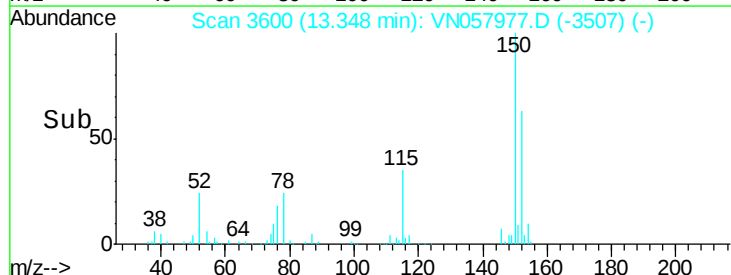
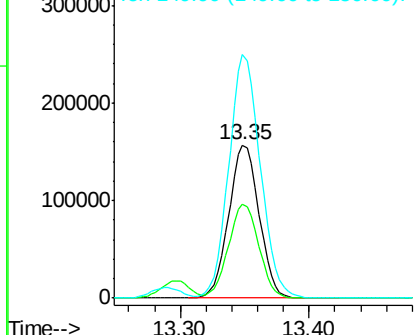
152 100

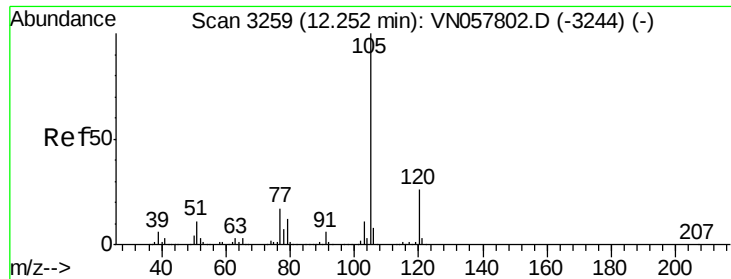
115 61.2 30.3 91.0

150 164.0 0.0 352.4



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





#73

Isopropylbenzene

Concen: 20.254 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion:105 Resp: 403586

Ion Ratio Lower Upper

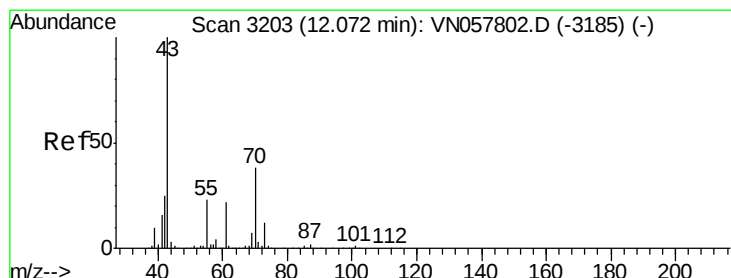
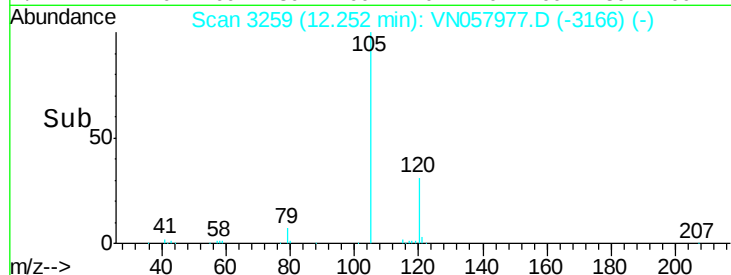
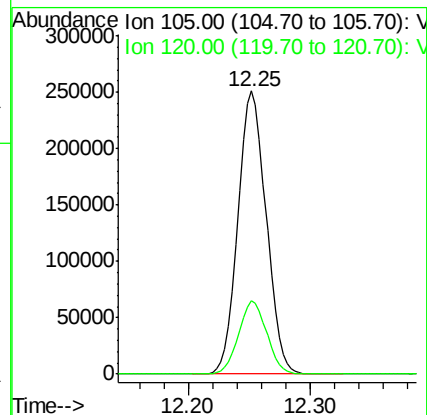
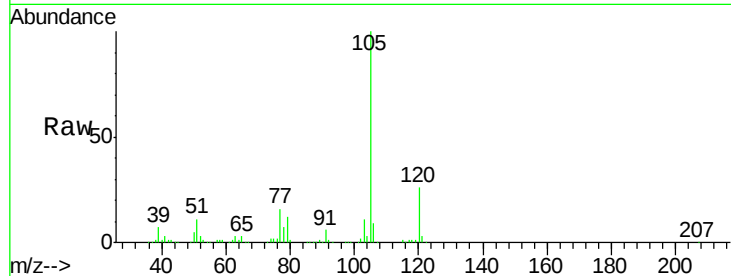
105 100

120 25.7 12.8 38.4

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#74

N-ethyl acetate

Concen: 20.124 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion: 43 Resp: 174513

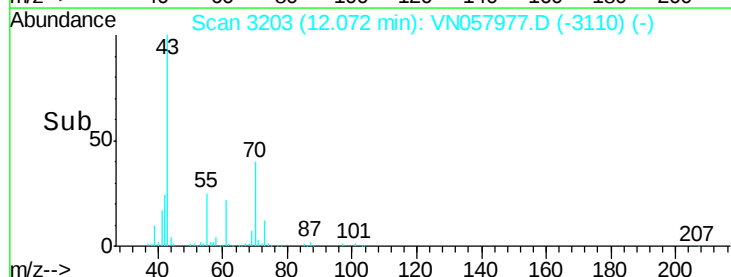
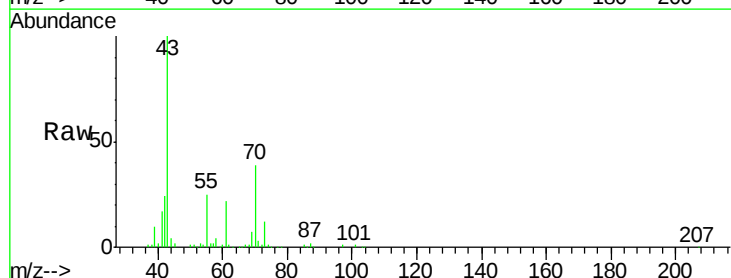
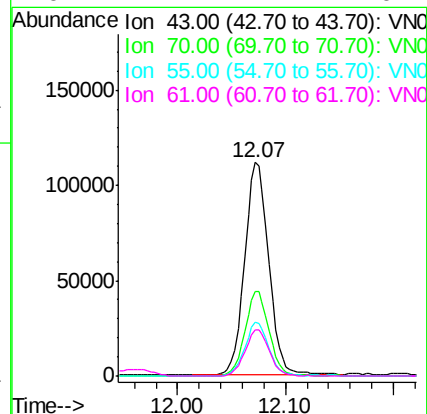
Ion Ratio Lower Upper

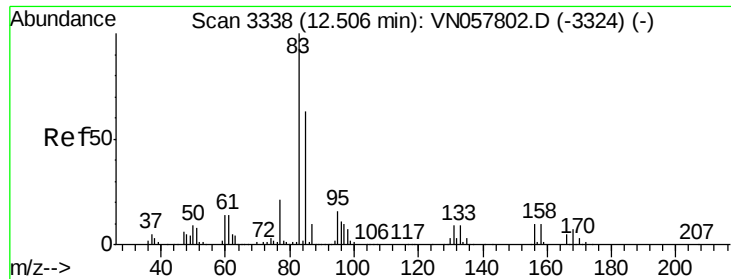
43 100

70 39.7 30.6 45.8

55 25.1 18.6 27.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.314 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

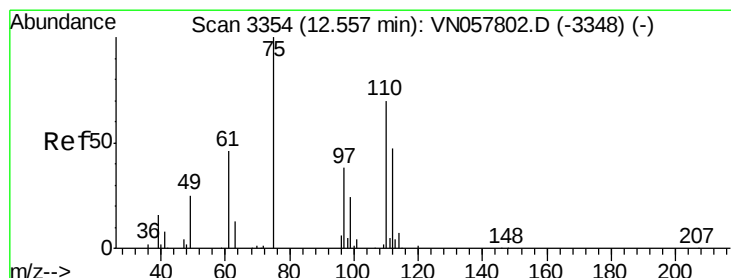
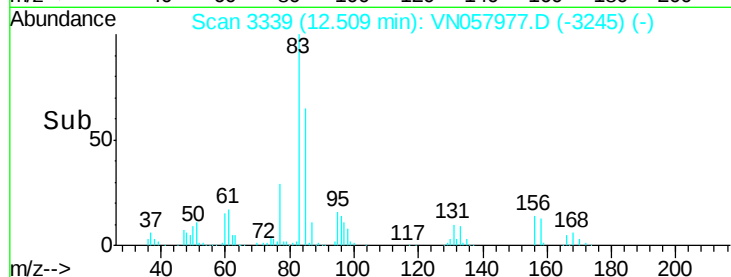
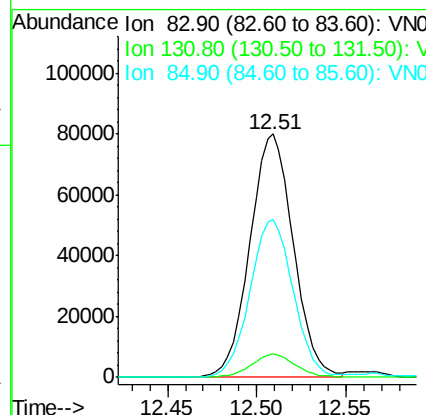
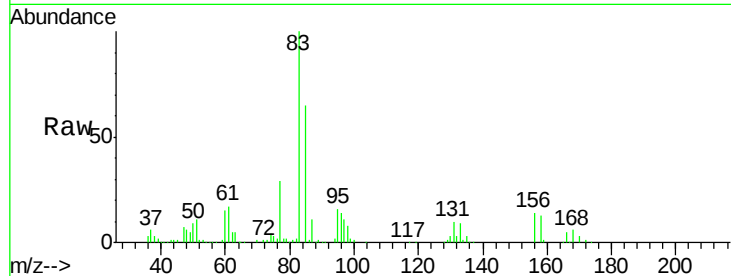
ClientSampleId :

VN0913WBS02

Tot Ion:	83	Resp:	136291
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	64.5	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.874 ug/l m

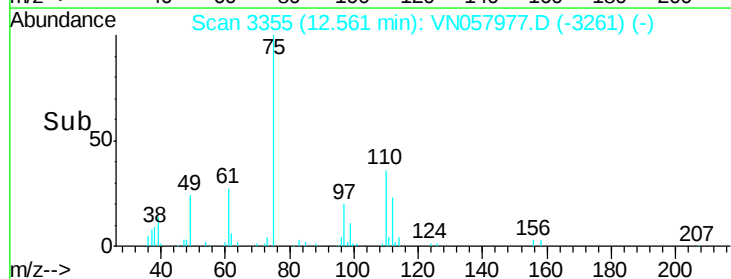
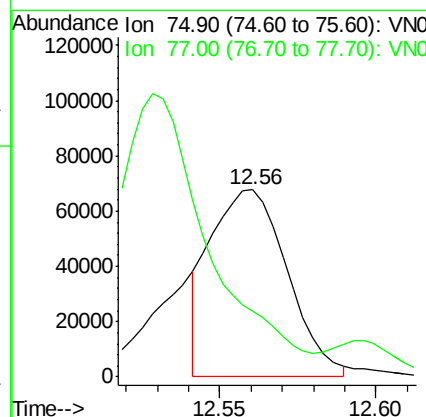
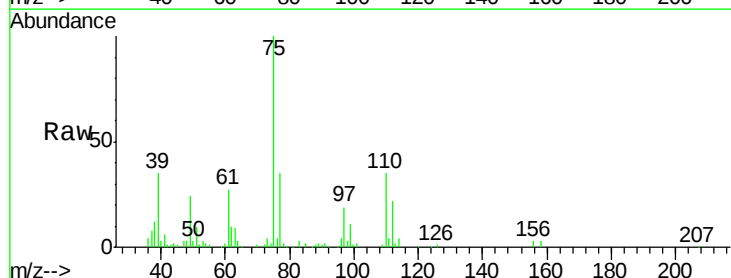
RT: 12.56 min Scan# 3355

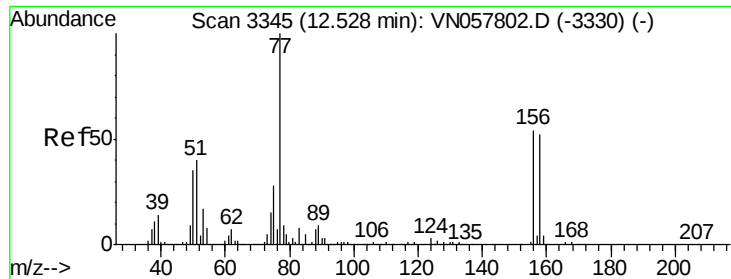
Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	75	Resp:	115451
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.205 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

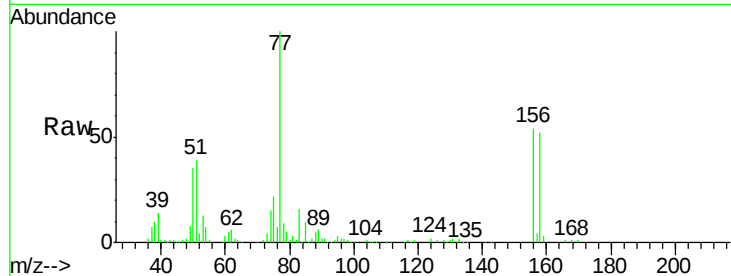
ClientSampled :

VN0913WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.4	113.7	341.1
158	96.4	48.5	145.6

Manual Integrations
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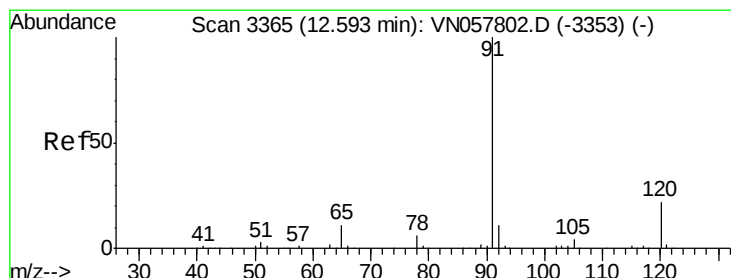
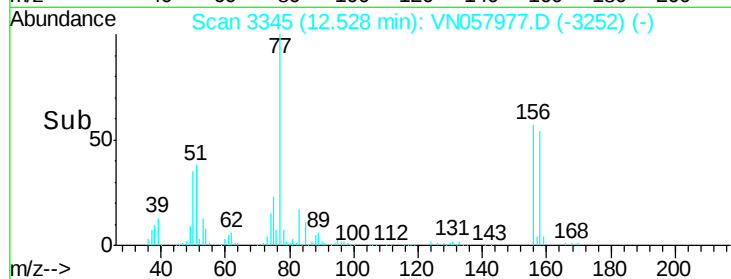
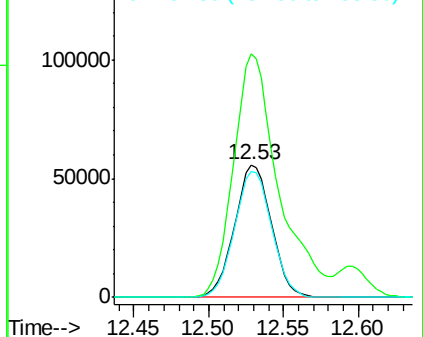
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.804 ug/l

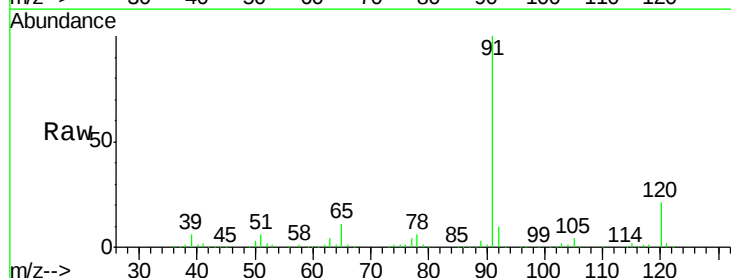
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057977.D

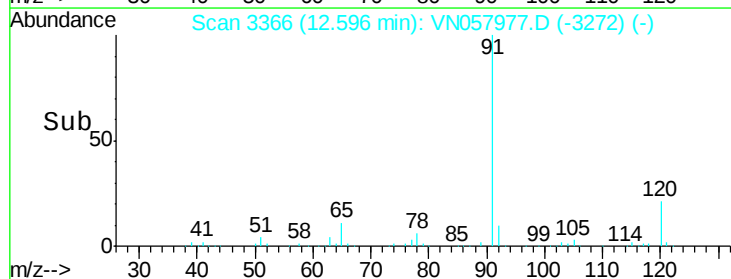
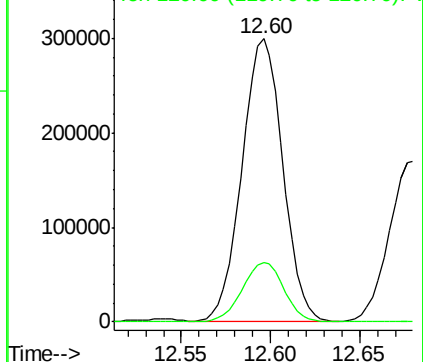
Acq: 12 Sep 2019 18:37

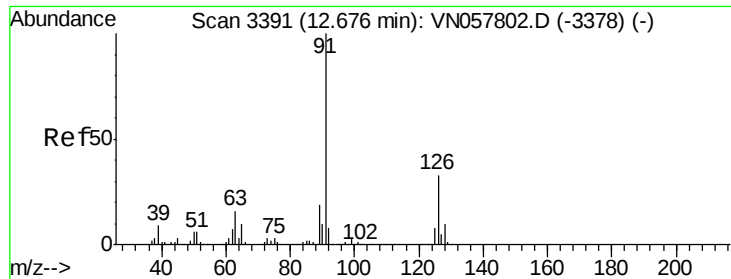
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.630 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion: 91 Resp: 283888

Ion Ratio Lower Upper

91 100

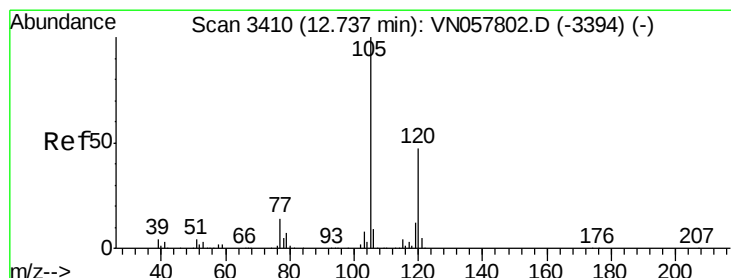
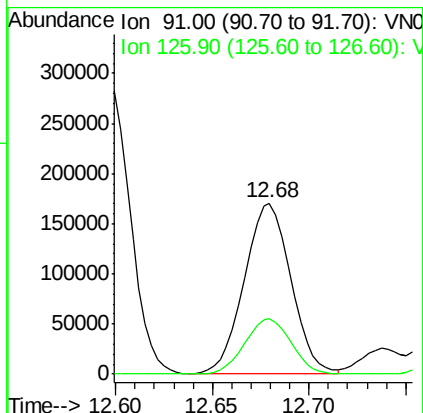
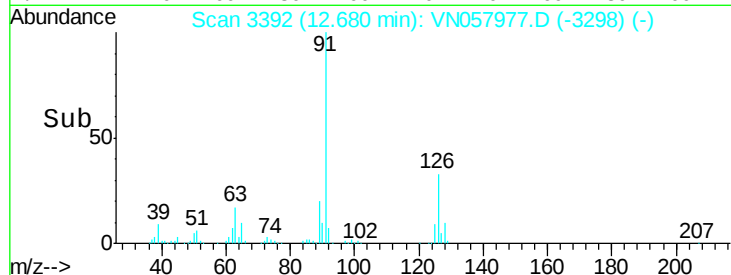
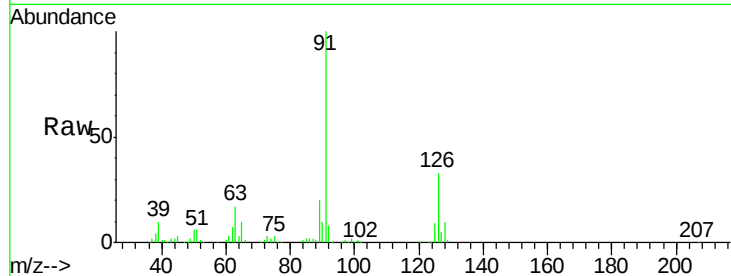
126 32.6 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.394 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057977.D

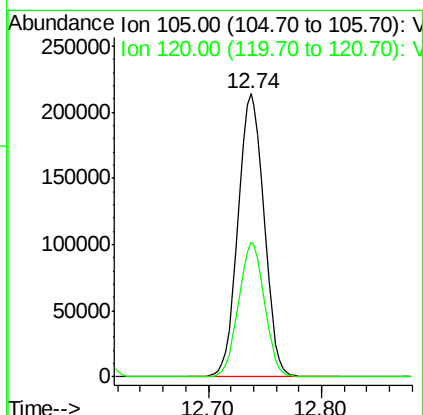
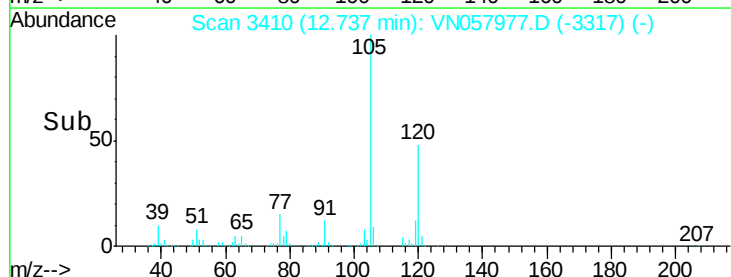
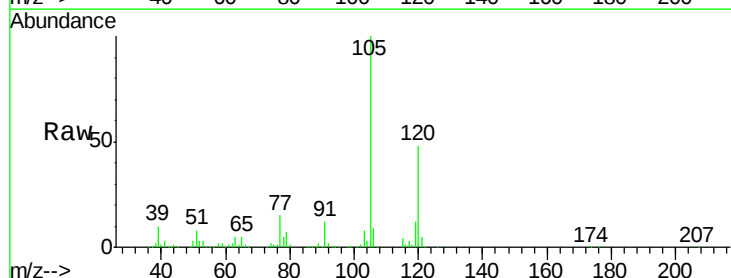
Acq: 12 Sep 2019 18:37

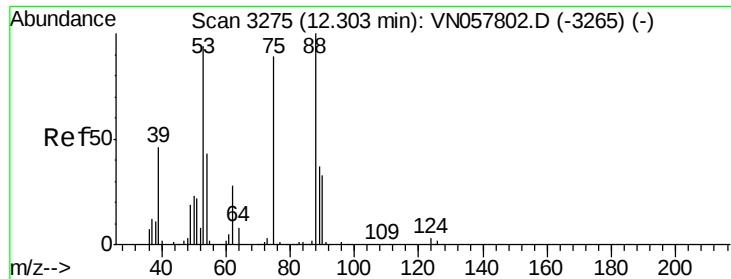
Tgt Ion: 105 Resp: 343365

Ion Ratio Lower Upper

105 100

120 47.4 23.7 71.1





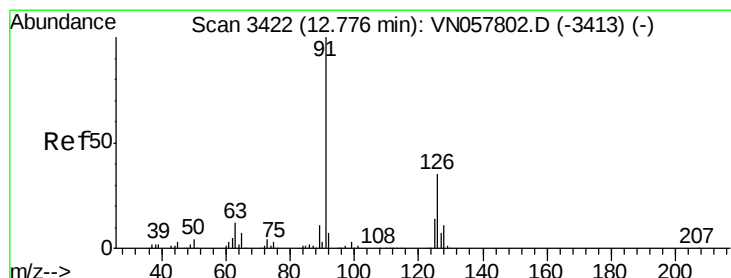
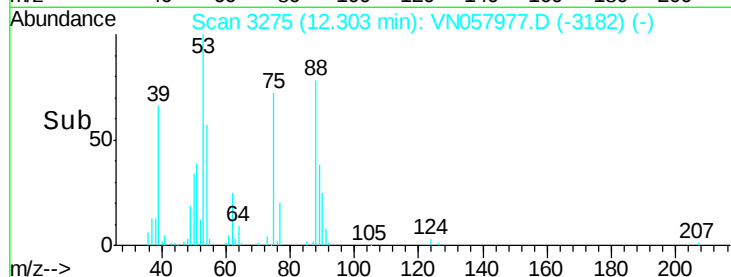
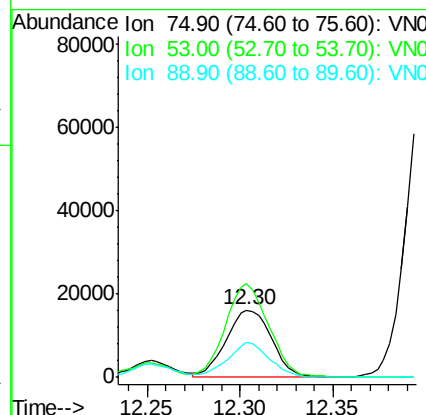
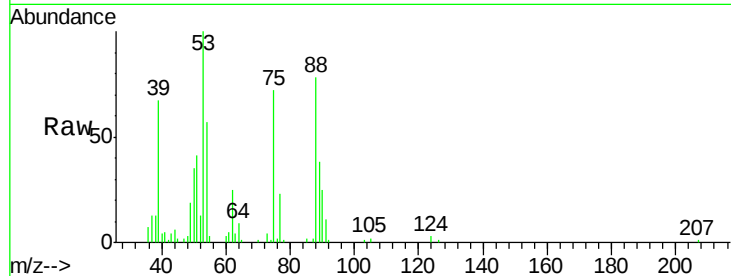
#81
trans-1,4-Dichloro-2-butene
Concen: 16.818 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	130.0	88.4	132.6
89	47.2	35.3	52.9

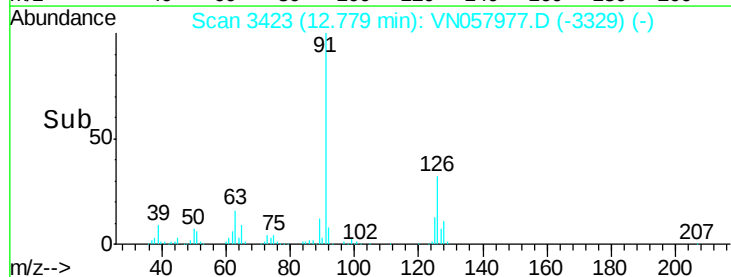
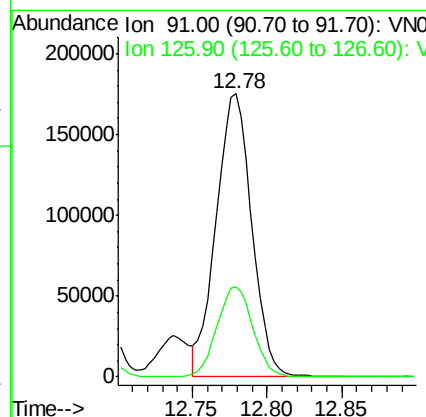
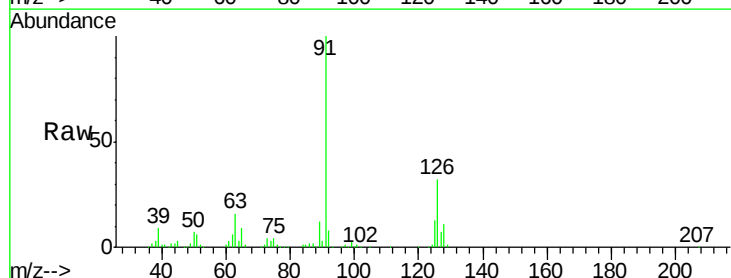
Manual Integrations
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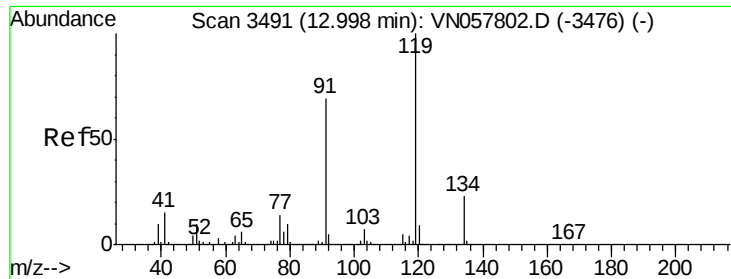
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#82
4-Chlorotoluene
Concen: 19.425 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





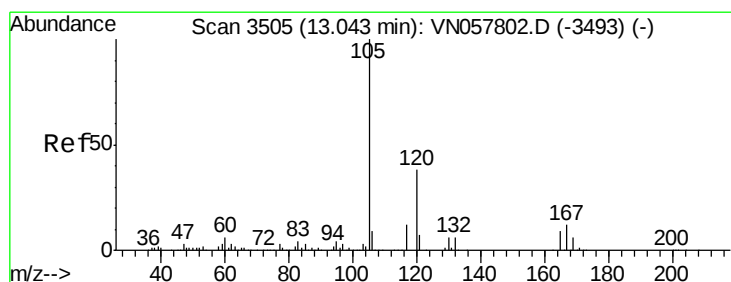
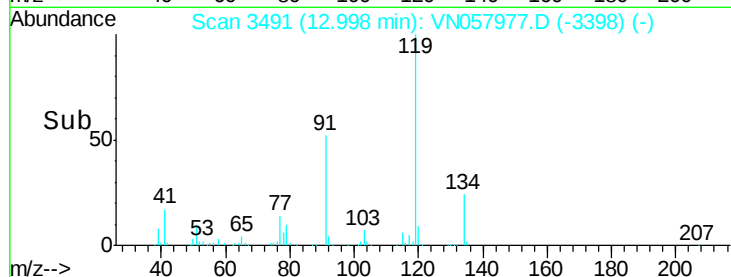
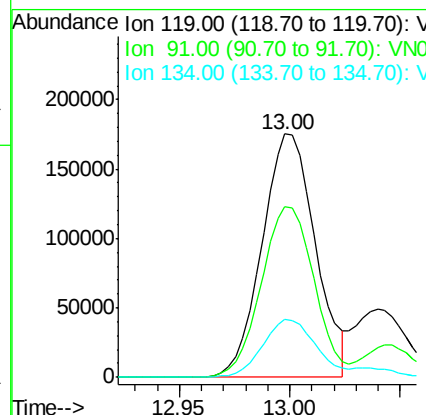
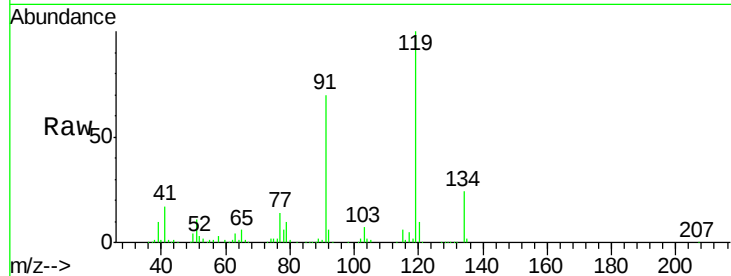
#83
tert-Butylbenzene
Concen: 19.620 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293630		
91	69.6		33.6	100.8
134	23.9		11.7	35.0

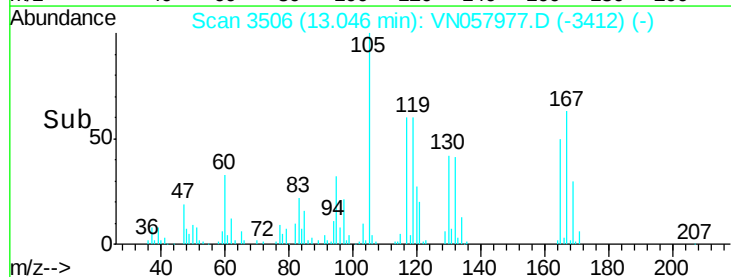
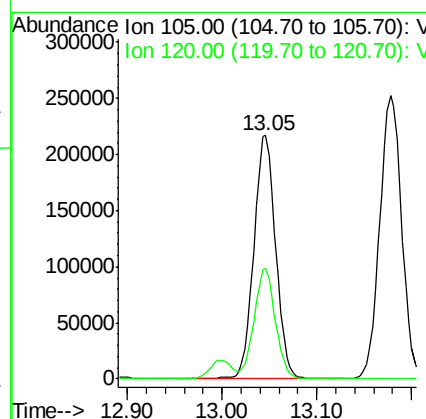
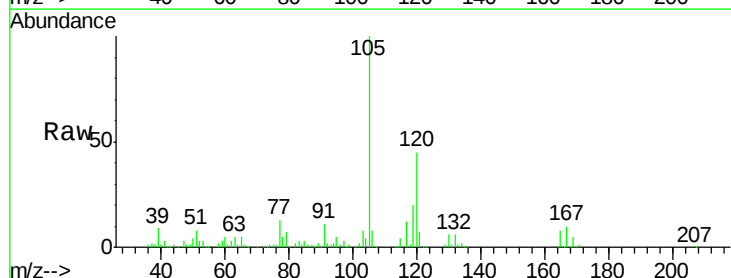
Manual Integrations
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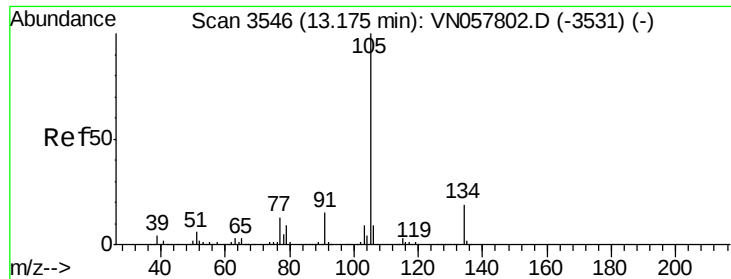
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.318 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347677		
120	44.2		22.4	67.2





#85

sec-Butylbenzene

Concen: 20.385 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBS02

Tot Ion:105 Resp: 404371

Ion Ratio Lower Upper

105 100

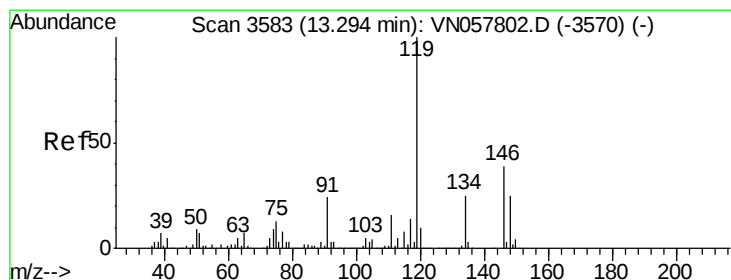
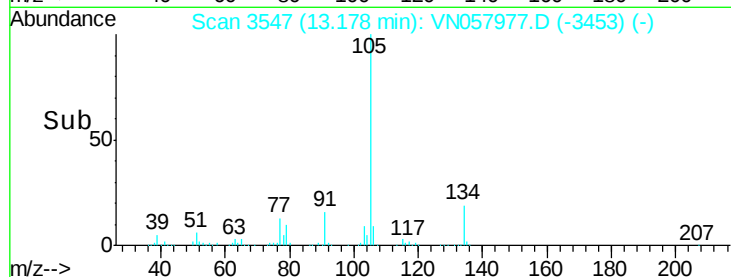
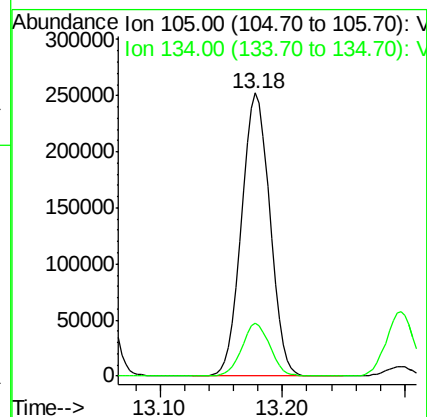
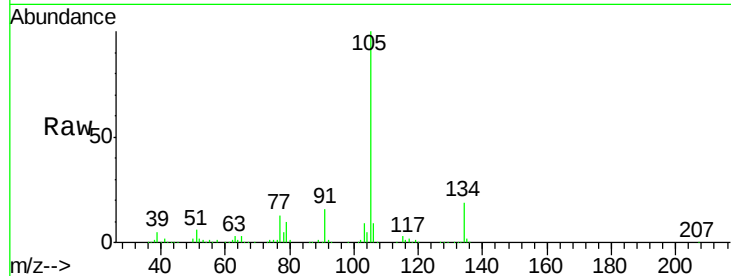
134 18.6 9.6 28.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.322 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

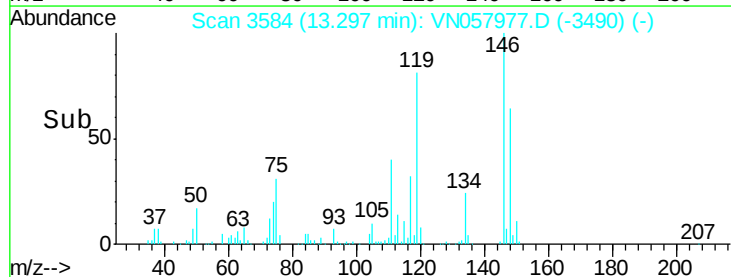
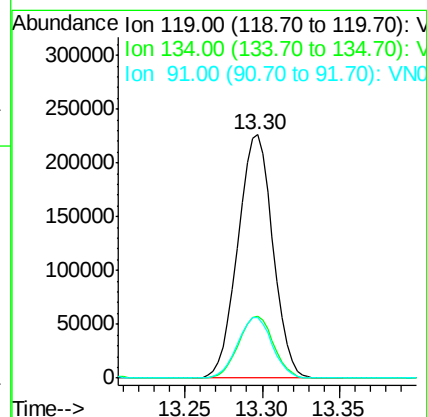
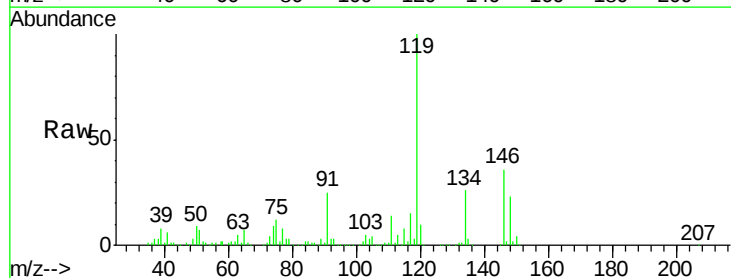
Tgt Ion:119 Resp: 355181

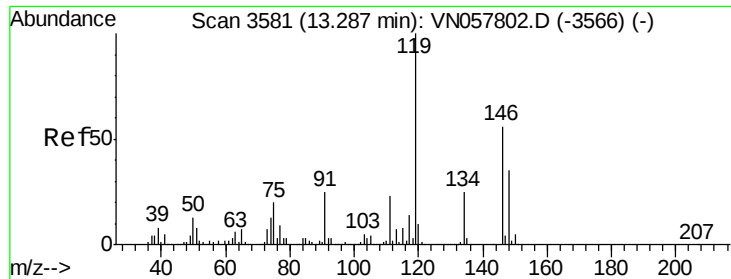
Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

91 24.9 12.3 36.8





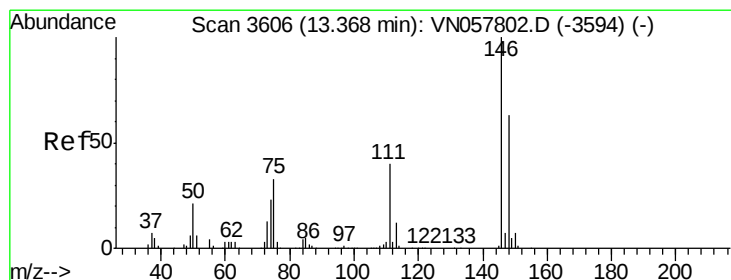
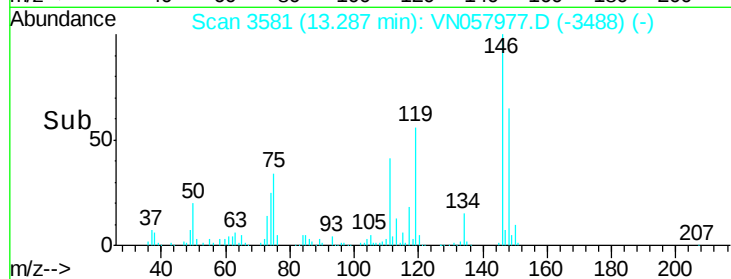
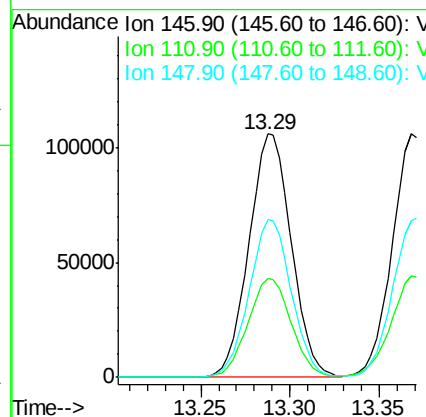
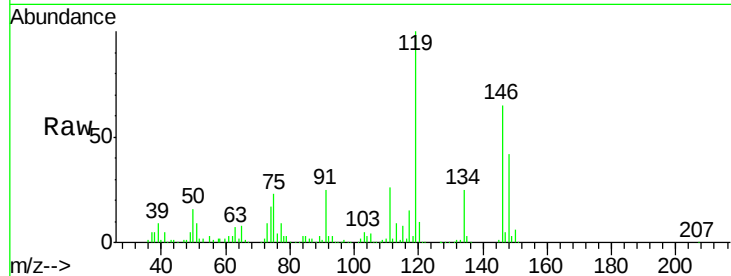
#87
 1,3-Dichlorobenzene
 Concen: 19.238 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0913WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175431		
111	41.6	20.5	61.6	
148	64.5	31.5	94.5	

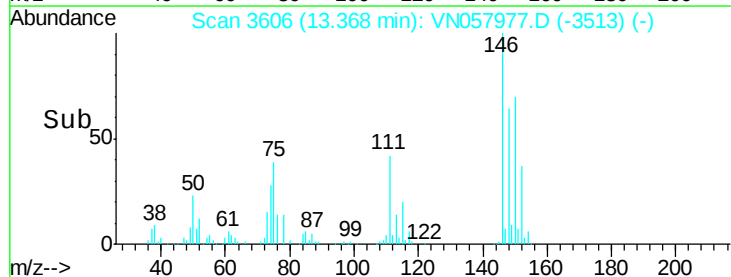
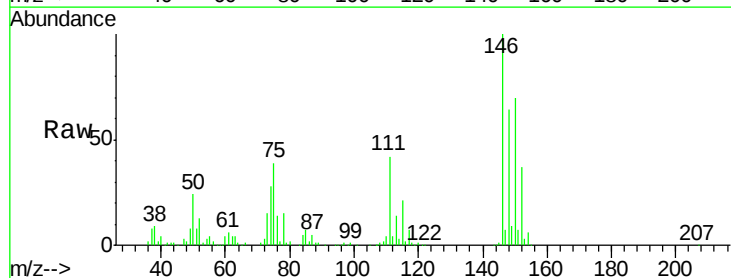
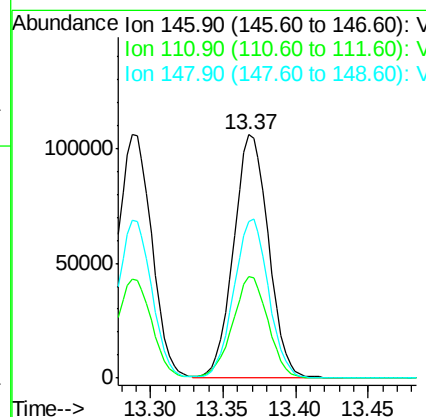
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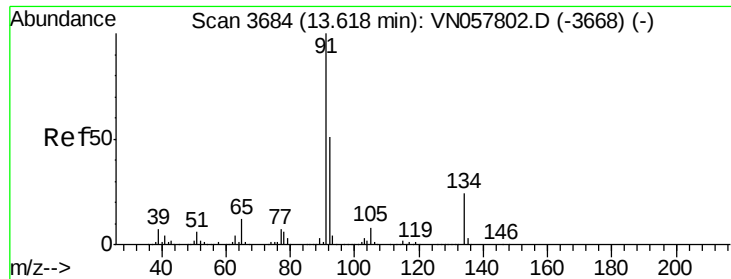
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 9/13/2019 1:05:03 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.056 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	176381		
111	42.2	20.4	61.2	
148	65.1	31.8	95.4	





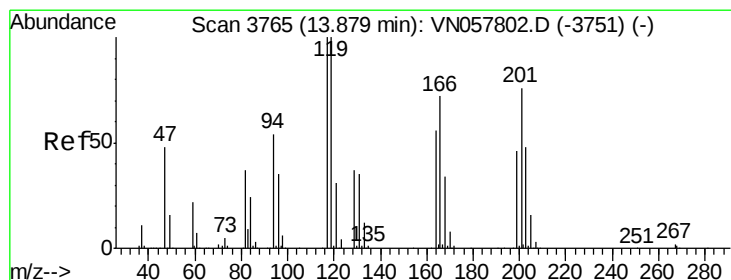
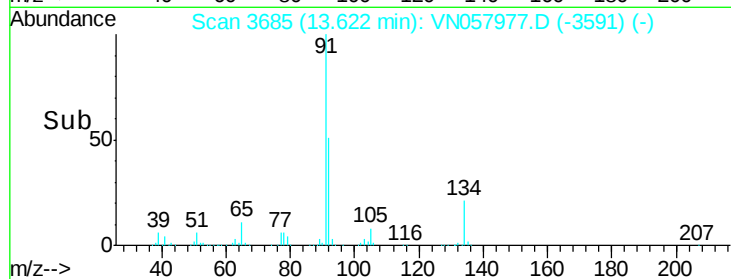
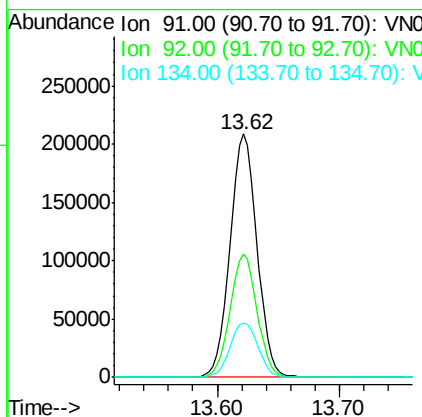
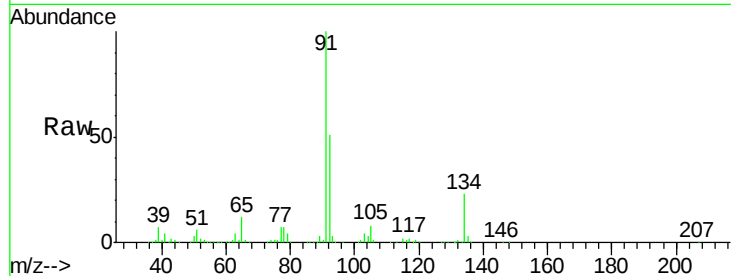
#89
n-Butylbenzene
Concen: 19.559 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.7	77.0
134	23.3	11.9	35.7

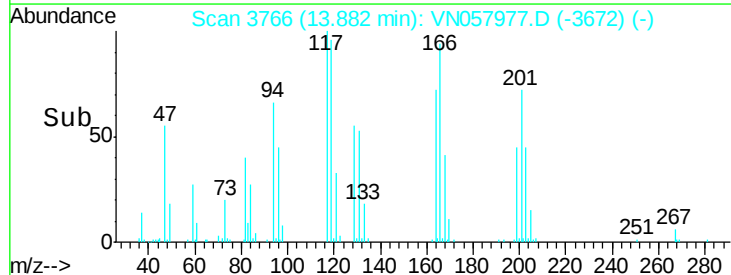
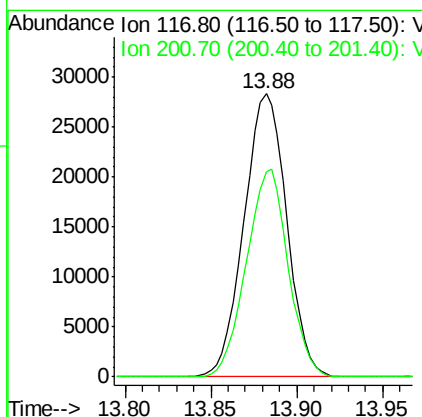
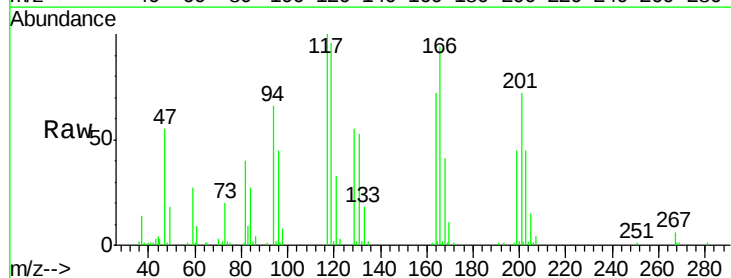
Manual Integrations
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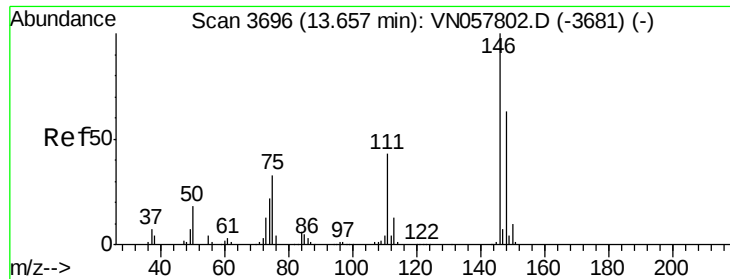
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#90
Hexachloroethane
Concen: 18.760 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057977.D
Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.5	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 19.728 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

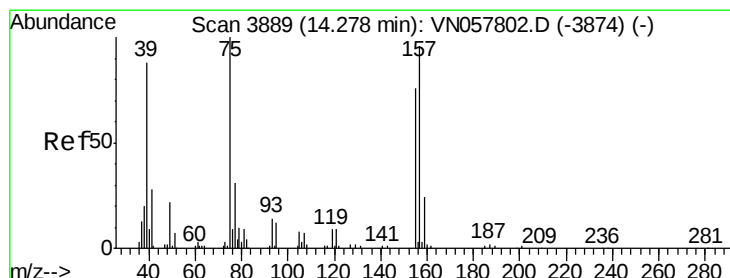
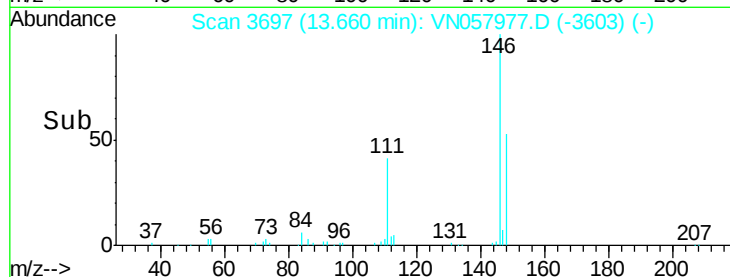
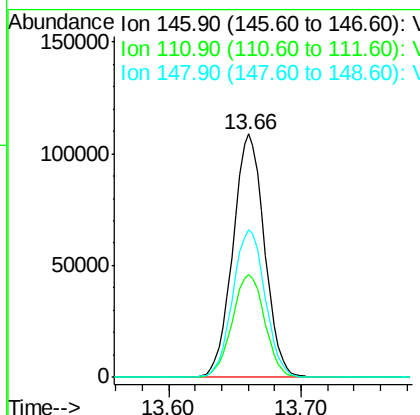
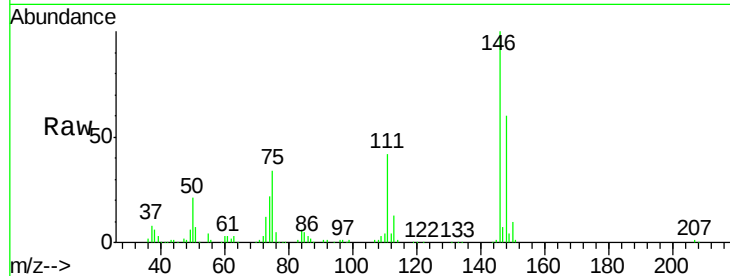
ClientSampleId :

VN0913WBS02

Tot Ion:	146	Resp:	179723
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.3	63.9
148	62.3	31.4	94.3

Manual Integrations
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9/13/2019 1:05:03 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.719 ug/l

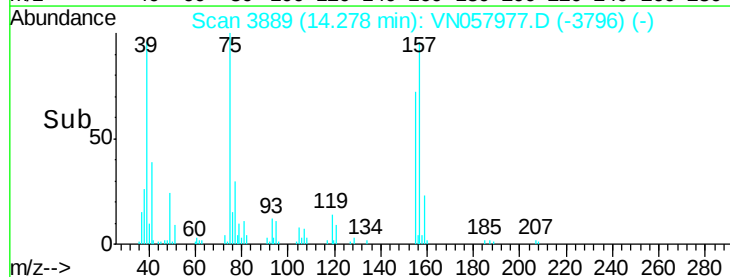
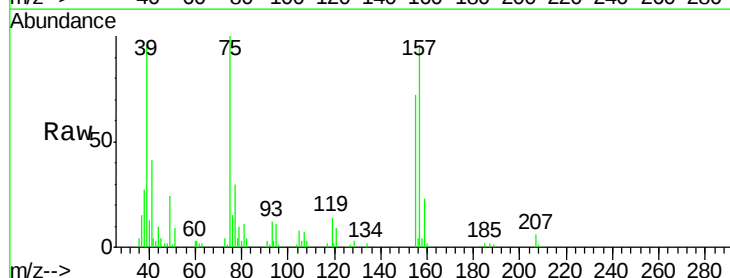
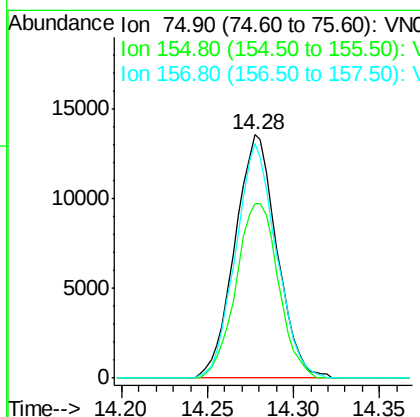
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	75	Resp:	22956
Ion Ratio	Lower	Upper	
75	100		
155	72.2	37.3	111.8
157	93.3	47.9	143.8





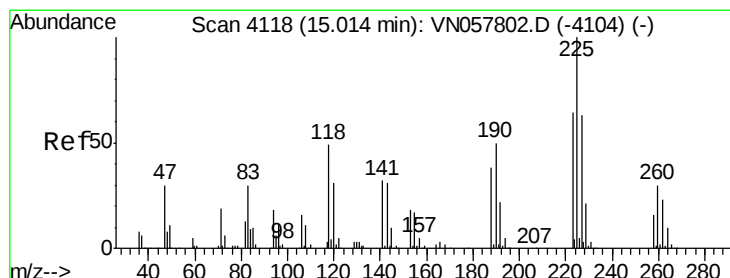
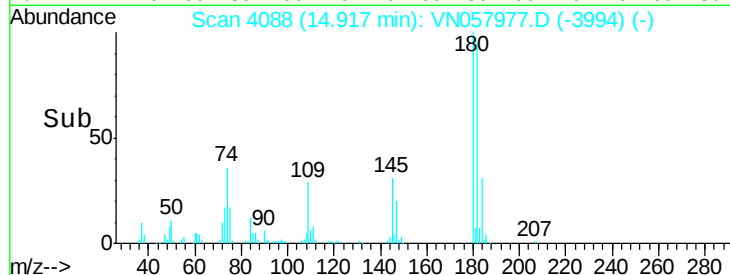
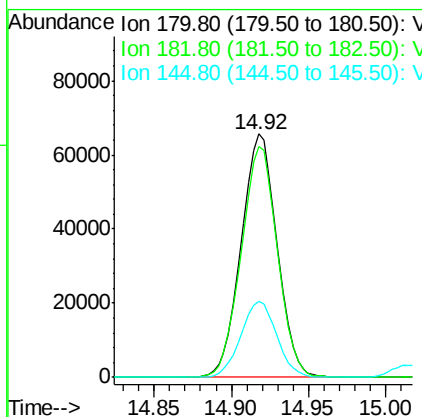
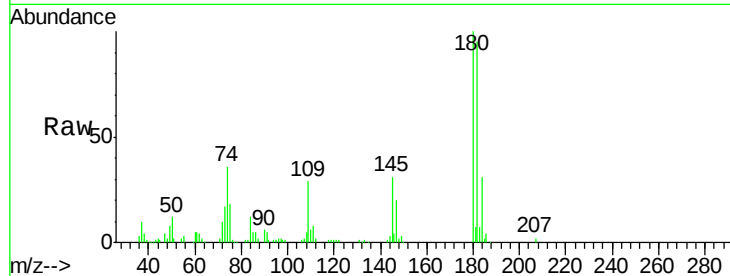
#93
 1,2,4-Trichlorobenzene
 Concen: 17.791 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	46.9	140.8	
145	31.2	14.9	44.7	

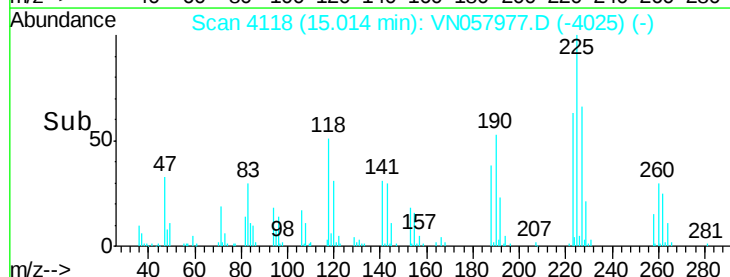
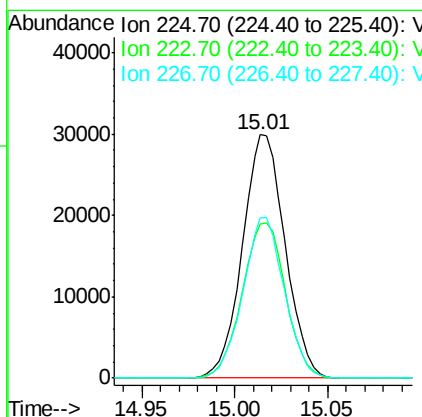
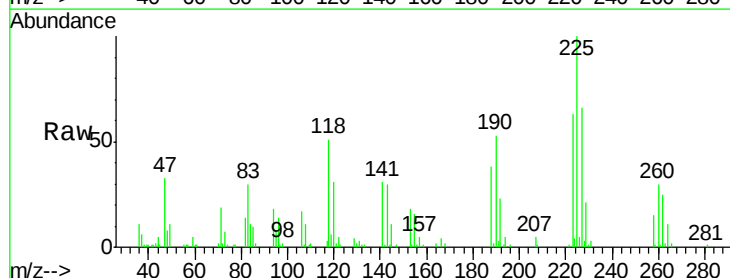
Manual Integrations
 APPROVED

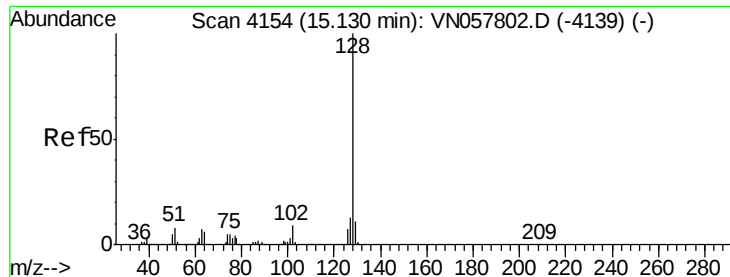
MMDadoda
 9/13/2019 1:05:03 PM



#94
 Hexachlorobutadiene
 Concen: 18.980 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057977.D
 Acq: 12 Sep 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.1	32.4	97.2	
227	64.3	31.8	95.4	





#95

Naphthalene

Concen: 19.691 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Instrument :

MSVOA_N

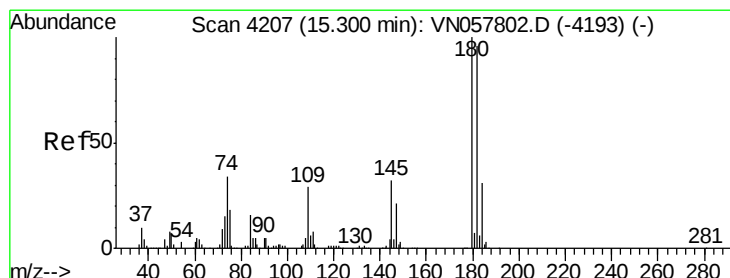
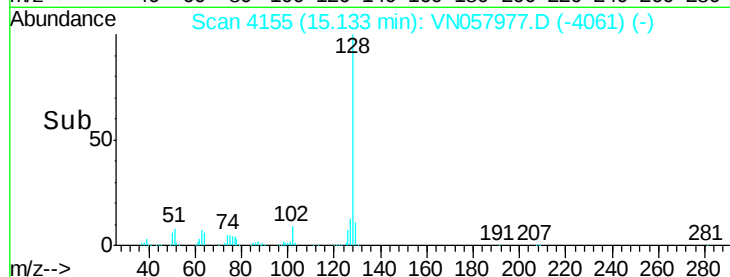
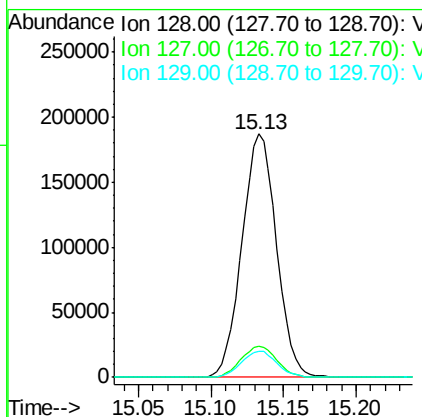
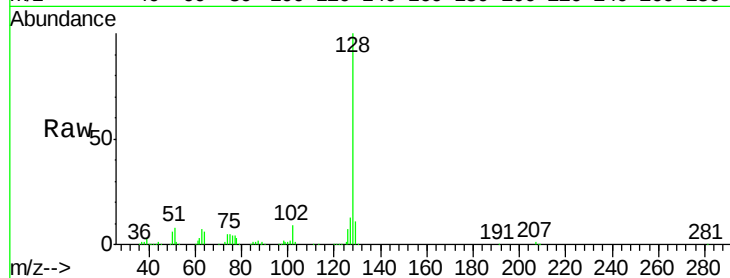
ClientSampleId :

VN0913WBS02

Tot Ion:	128	Resp:	310322
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:05:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.552 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057977.D

Acq: 12 Sep 2019 18:37

Tgt Ion:	180	Resp:	103717
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.8
145	32.1	16.3	48.8

