

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058727.D
 Acq On : 12 Oct 2019 1:33
 Operator : JC/SP
 Sample : VN1013WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:58 AM

Quant Time: Oct 12 05:56:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	394933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	646494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	602160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	285677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	291100	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	7.57	113	209002	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
50) Toluene-d8	10.08	98	814164	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.41	95	297844	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	107907	21.938	ug/l	98
3) Chloromethane	2.04	50	119203	20.380	ug/l	99
4) Vinyl Chloride	2.17	62	121239	20.812	ug/l	100
5) Bromomethane	2.54	94	74838	21.118	ug/l	100
6) Chloroethane	2.69	64	74348	20.691	ug/l	94
7) Trichlorofluoromethane	3.00	101	145726	20.902	ug/l	99
8) Diethyl Ether	3.39	74	52546	20.399	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84132	21.164	ug/l	97
10) Methyl Iodide	3.93	142	108735	20.045	ug/l	99
11) Tert butyl alcohol	4.76	59	92008	102.753	ug/l	100
12) 1,1-Dichloroethene	3.72	96	80063	21.109	ug/l	95
13) Acrolein	3.59	56	66239	91.979	ug/l	99
14) Allyl chloride	4.30	41	148318m	19.378	ug/l	
15) Acrylonitrile	4.96	53	235374	104.234	ug/l	100
16) Acetone	3.79	43	211710	92.491	ug/l	99
17) Carbon Disulfide	4.03	76	244680	20.182	ug/l	99
18) Methyl Acetate	4.30	43	120097	20.684	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	278040	20.530	ug/l	96
20) Methylene Chloride	4.53	84	93914	19.631	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	88082	20.762	ug/l	97
22) Diisopropyl ether	5.93	45	309504	20.797	ug/l	94
23) Vinyl Acetate	5.87	43	1278665	106.481	ug/l	100
24) 1,1-Dichloroethane	5.82	63	179068	21.127	ug/l	99
25) 2-Butanone	6.81	43	324673	98.134	ug/l	99
26) 2,2-Dichloropropane	6.80	77	121730	15.733	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	99907	20.194	ug/l	96
28) Bromochloromethane	7.17	49	62953	21.350	ug/l	99
29) Tetrahydrofuran	7.19	42	219452	102.642	ug/l	99
30) Chloroform	7.36	83	173887	20.420	ug/l	96
31) Cyclohexane	7.64	56	161054	19.859	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	151379	20.844	ug/l	99
36) 1,1-Dichloropropene	7.78	75	132144	20.216	ug/l	100
37) Ethyl Acetate	6.91	43	139960	21.172	ug/l	99
38) Carbon Tetrachloride	7.76	117	135359	21.248	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	148048	19.519	ug/l	98
40) Benzene	8.03	78	380193	20.252	ug/l	100
41) Methacrylonitrile	7.16	41	63605m	20.555	ug/l	
42) 1,2-Dichloroethane	8.11	62	147444	20.444	ug/l	100
43) Isopropyl Acetate	8.15	43	222555	19.763	ug/l	100
44) Trichloroethene	8.82	130	94537	20.279	ug/l	97
45) 1,2-Dichloropropane	9.11	63	104068	20.708	ug/l	99
46) Dibromomethane	9.20	93	66175	20.769	ug/l	99
47) Bromodichloromethane	9.39	83	134246	20.691	ug/l	96
48) Methyl methacrylate	9.19	41	105239	20.616	ug/l	97
49) 1,4-Dioxane	9.19	88	31195	395.012	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	687338	108.678	ug/l	99
52) Toluene	10.15	92	231829	20.191	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	143909	19.338	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	154551	19.561	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93521	19.900	ug/l	98
56) Ethyl methacrylate	10.43	69	139446	20.311	ug/l	100
57) 1,3-Dichloropropane	10.71	76	164485	20.540	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	335885	101.518	ug/l	99
59) 2-Hexanone	10.75	43	501159	102.536	ug/l	99
60) Dibromochloromethane	10.90	129	98982	20.418	ug/l	100
61) 1,2-Dibromoethane	11.00	107	94980	20.174	ug/l	100
64) Tetrachloroethene	10.63	164	85847	20.371	ug/l	94
65) Chlorobenzene	11.43	112	244680	20.009	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	90803	20.081	ug/l	99
67) Ethyl Benzene	11.51	91	448174	20.560	ug/l	100
68) m/p-Xylenes	11.62	106	329171	40.239	ug/l	99
69) o-Xylene	11.95	106	157798	19.937	ug/l	98
70) Styrene	11.97	104	254854	19.646	ug/l	99
71) Bromoform	12.13	173	66251	19.989	ug/l #	99
73) Isopropylbenzene	12.25	105	436345	21.090	ug/l	98
74) N-amyl acetate	12.07	43	187172	20.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	140752	20.651	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	126650m	20.209	ug/l	
77) Bromobenzene	12.53	156	103873	20.641	ug/l	97
78) n-propylbenzene	12.60	91	506720	21.018	ug/l	100
79) 2-Chlorotoluene	12.68	91	303357	20.273	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	365549	20.695	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	41083	17.560	ug/l	91
82) 4-Chlorotoluene	12.78	91	304991	19.863	ug/l	98
83) tert-Butylbenzene	13.00	119	311526	20.588	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	364229	20.771	ug/l	99
85) sec-Butylbenzene	13.18	105	414929	20.810	ug/l	100
86) p-Isopropyltoluene	13.29	119	368709	20.347	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	185882	20.029	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	183835	19.482	ug/l	98
89) n-Butylbenzene	13.62	91	327913	19.570	ug/l	99
90) Hexachloroethane	13.88	117	68447	21.109	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	182809	20.210	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30870	19.387	ug/l	96

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ClientSampleId :
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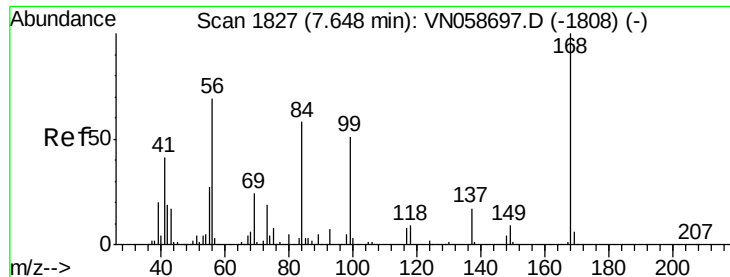
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	105354	19.094	ug/l	98
94) Hexachlorobutadiene	15.01	225	55130	18.973	ug/l	99
95) Naphthalene	15.13	128	308366	19.446	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102424	19.013	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion:168 Resp: 394933

Ion Ratio Lower Upper

168 100

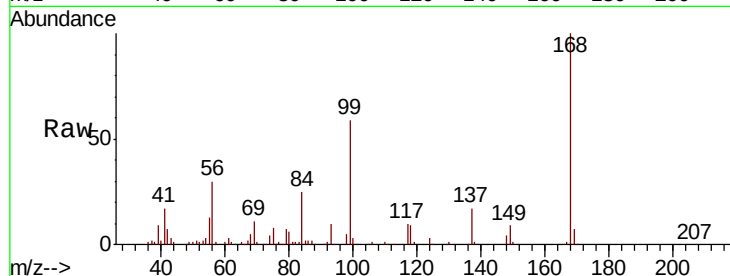
99 58.6 47.5 71.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

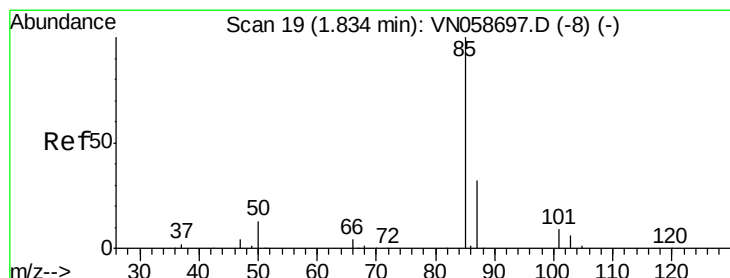
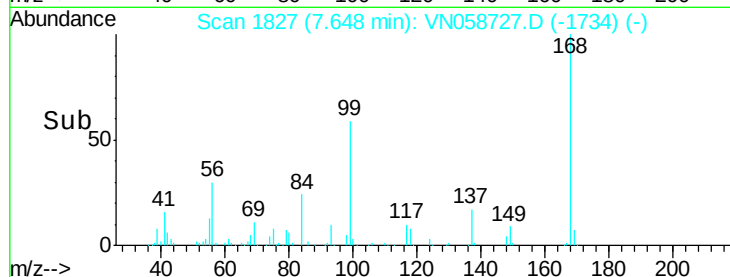
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.938 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058727.D

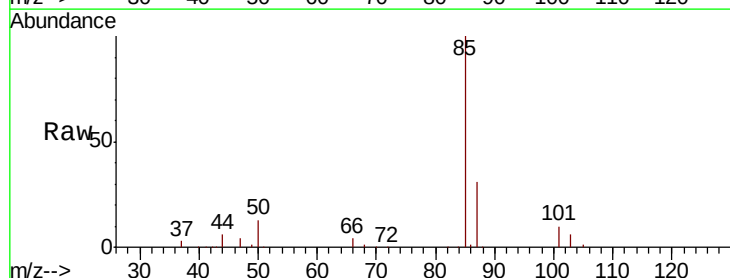
Acq: 12 Oct 2019 1:33

Tgt Ion: 85 Resp: 107907

Ion Ratio Lower Upper

85 100

87 31.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

80000

60000

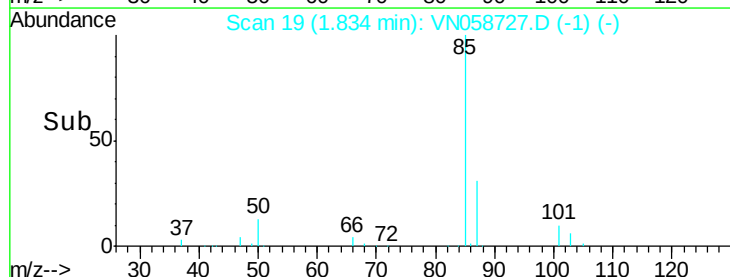
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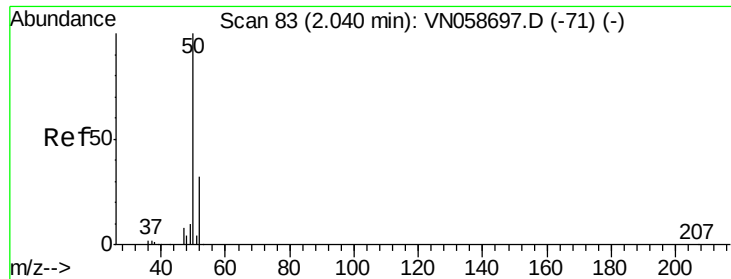
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.380 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 50 Resp: 119203

Ion Ratio Lower Upper

50 100

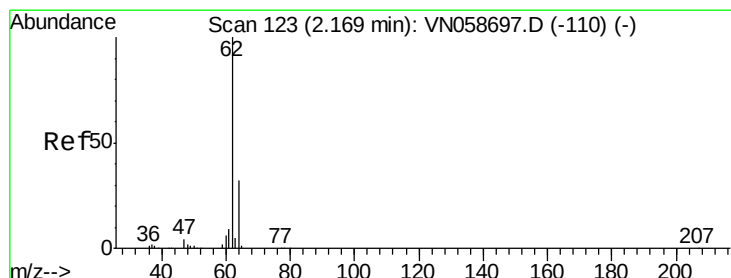
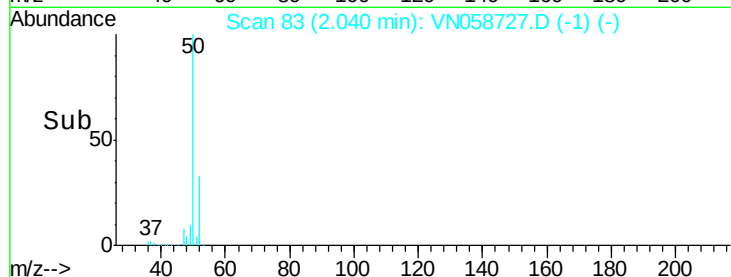
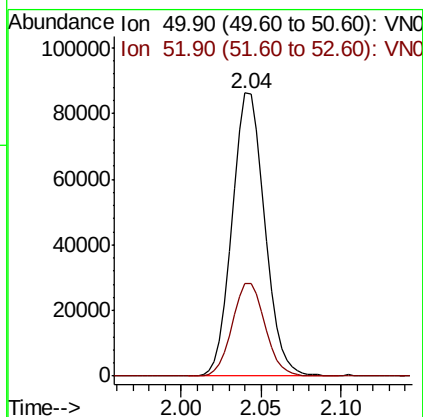
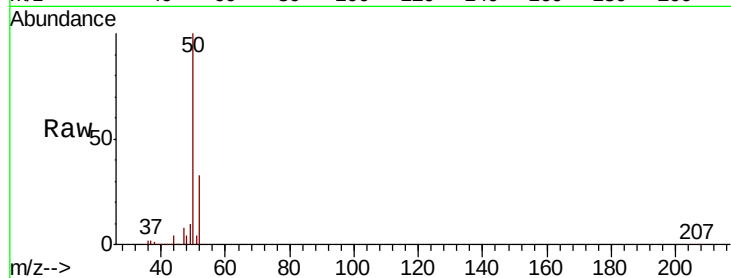
52 32.5 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.812 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058727.D

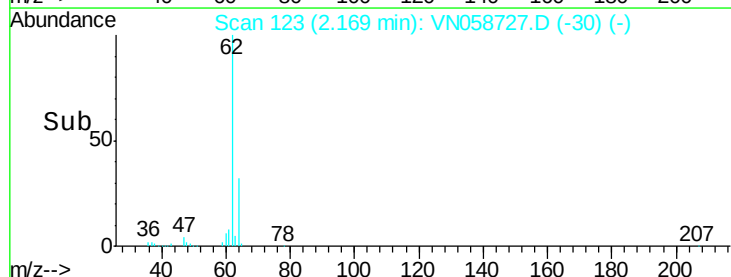
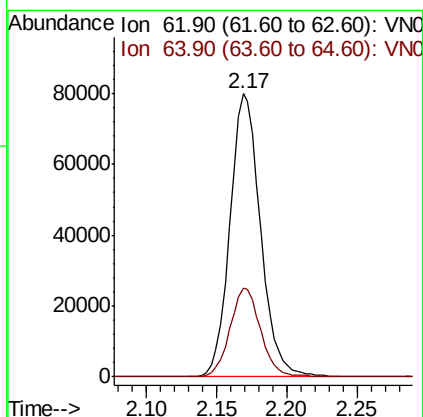
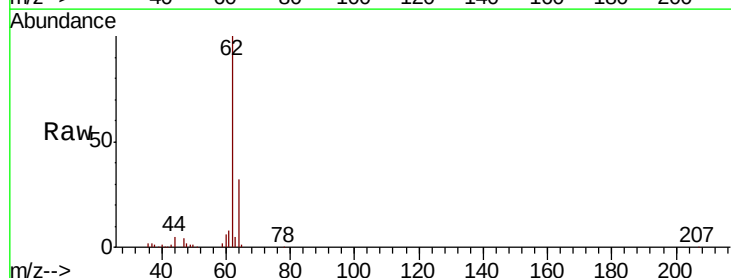
Acq: 12 Oct 2019 1:33

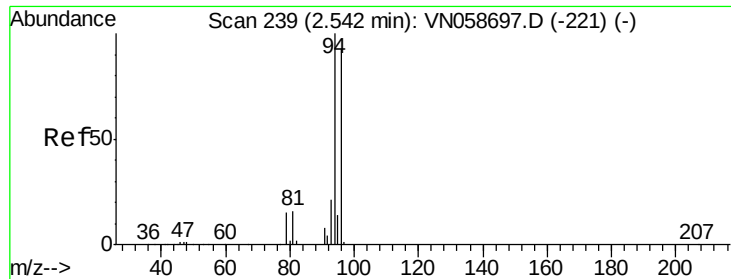
Tgt Ion: 62 Resp: 121239

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 21.118 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

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ClientSampleId :

VN1013WBS02

Tot Ion: 94 Resp: 74838

Ion Ratio Lower Upper

94 100

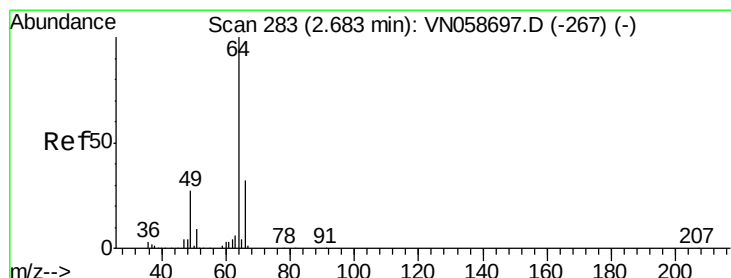
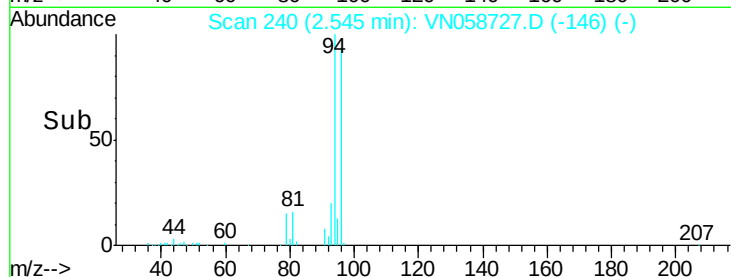
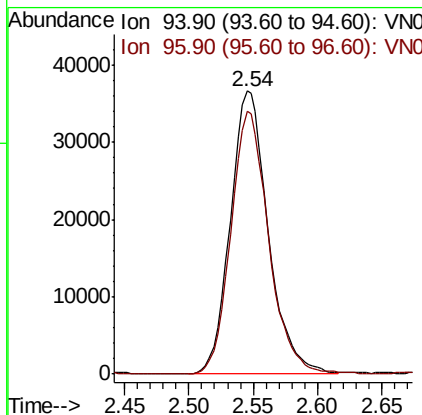
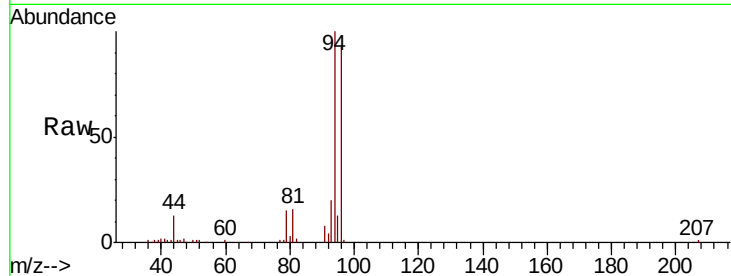
96 92.8 74.5 111.7

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#6

Chloroethane

Concen: 20.691 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058727.D

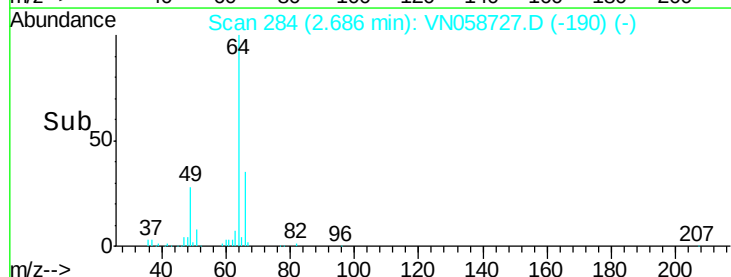
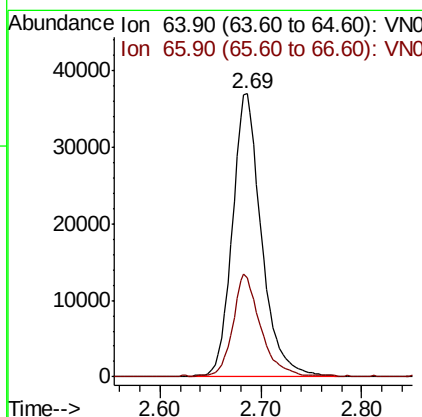
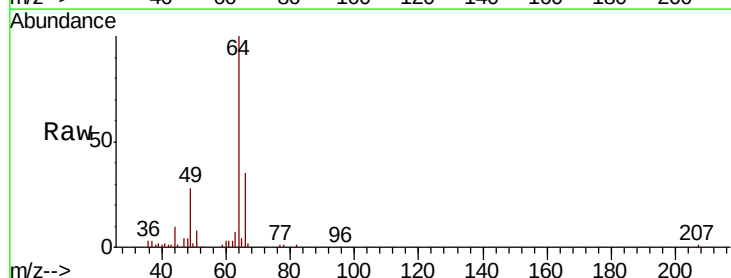
Acq: 12 Oct 2019 1:33

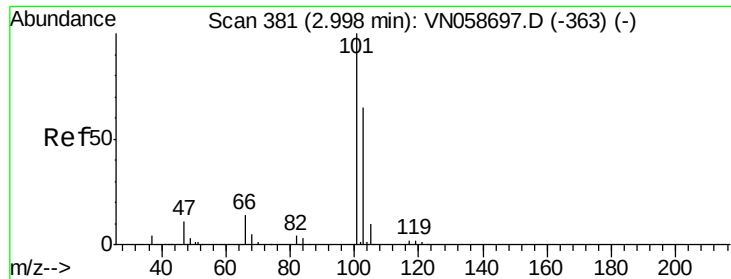
Tgt Ion: 64 Resp: 74348

Ion Ratio Lower Upper

64 100

66 35.0 25.4 38.2





#7

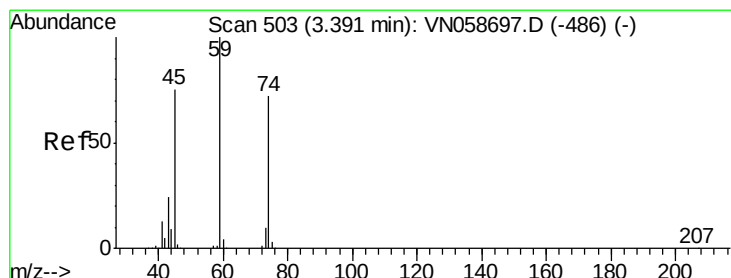
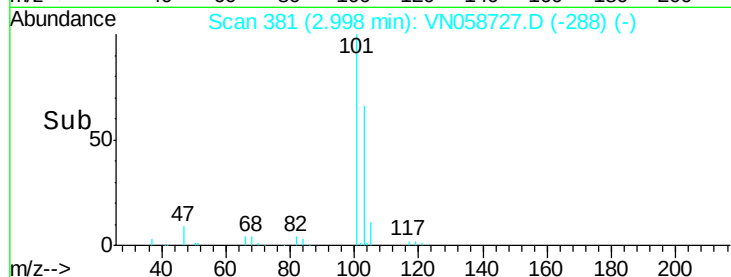
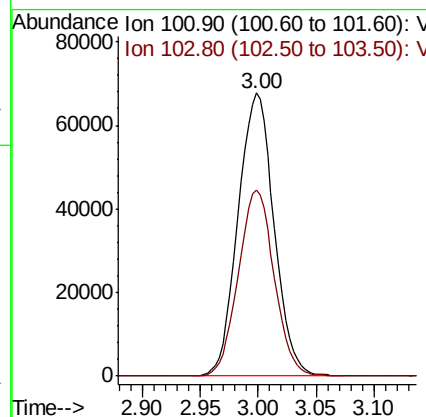
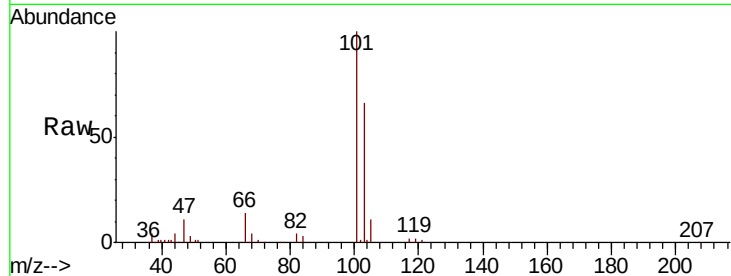
Trichlorofluoromethane
Concen: 20.902 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

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ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6

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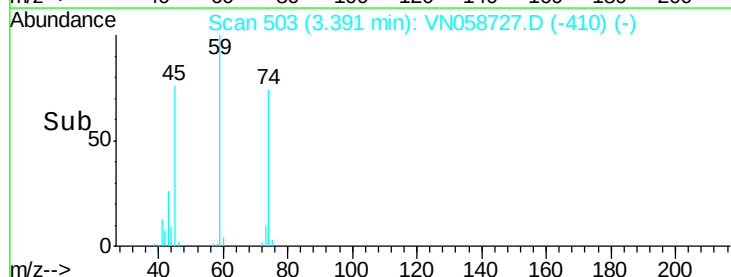
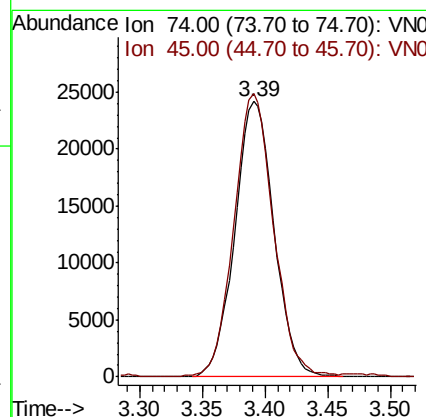
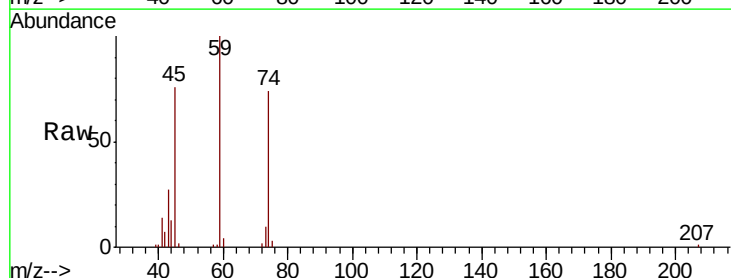
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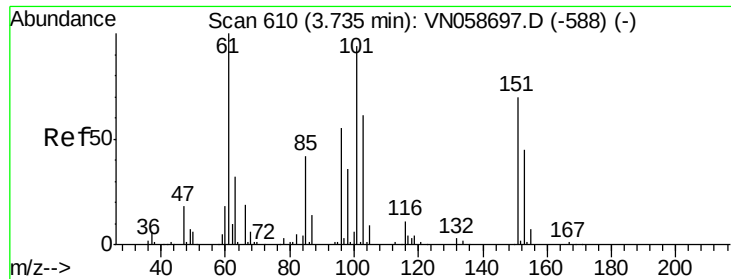


#8

Diethyl Ether
Concen: 20.399 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.8	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.164 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

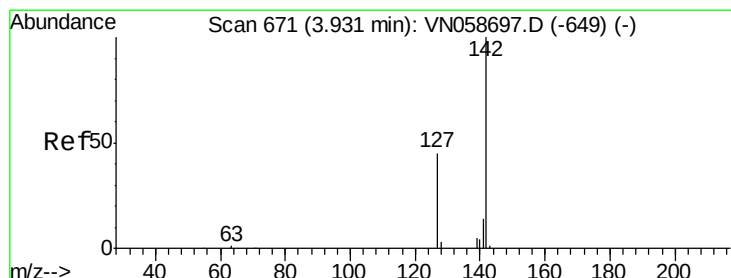
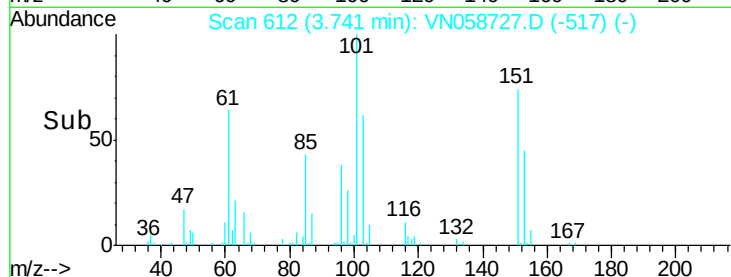
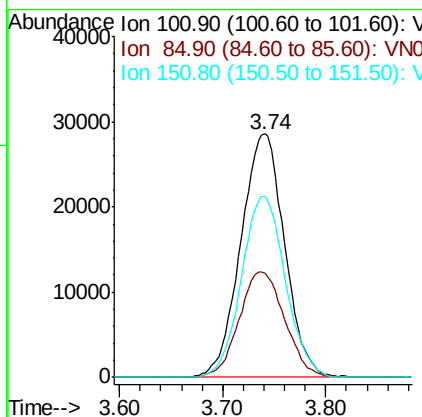
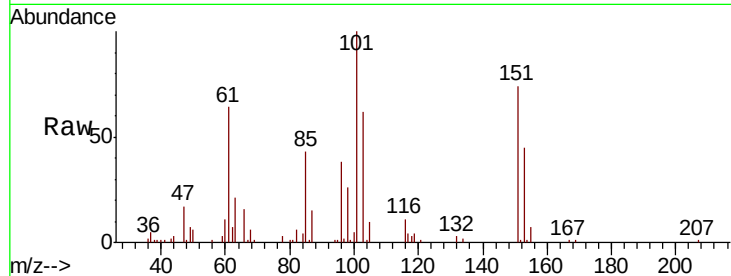
ClientSampleId :

VN1013WBS02

Tot Ion:	101	Resp:	84132
Ion Ratio	Lower	Upper	
101	100		
85	45.1	37.0	55.6
151	74.6	61.8	92.6

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#10

Methyl Iodide

Concen: 20.045 ug/l

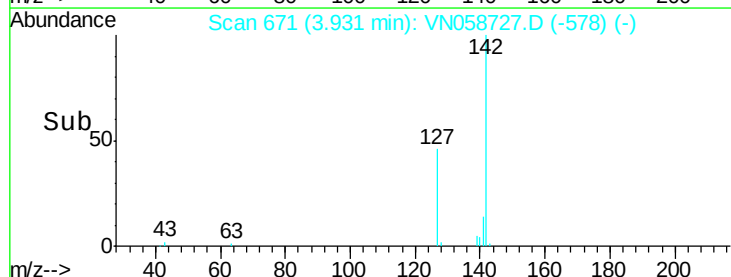
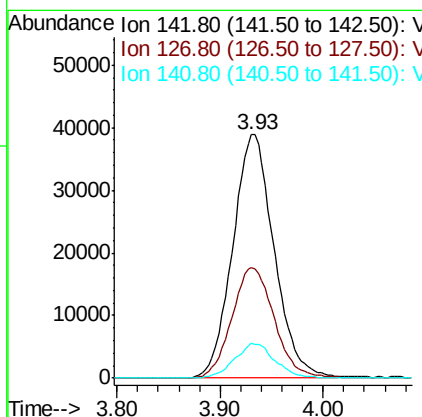
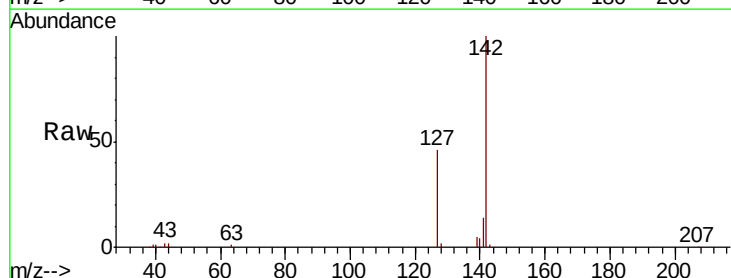
RT: 3.93 min Scan# 671

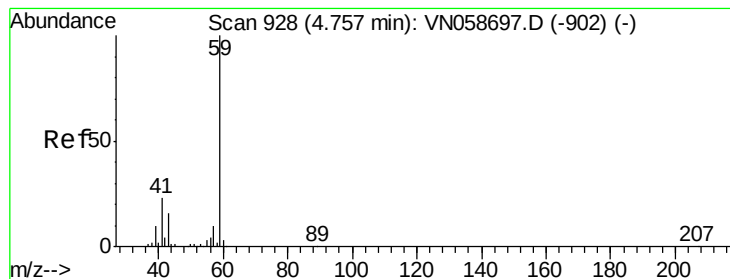
Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion:	142	Resp:	108735
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.4	54.6
141	13.8	11.1	16.7





#11

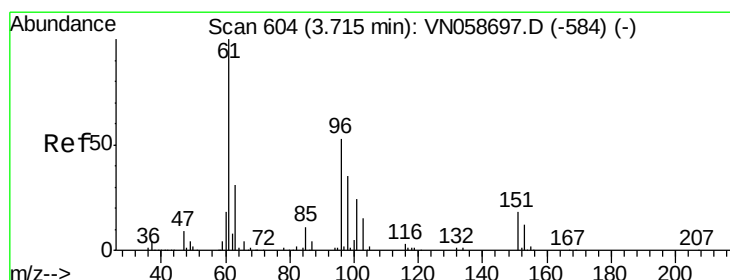
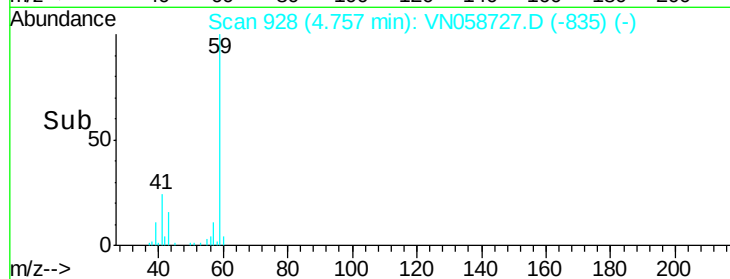
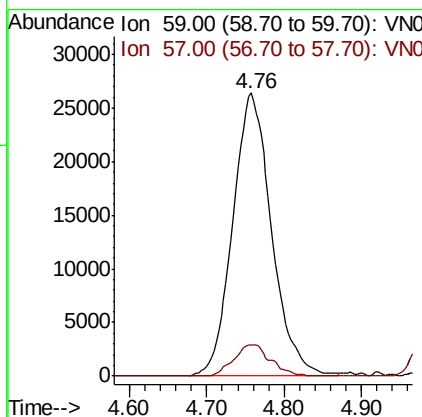
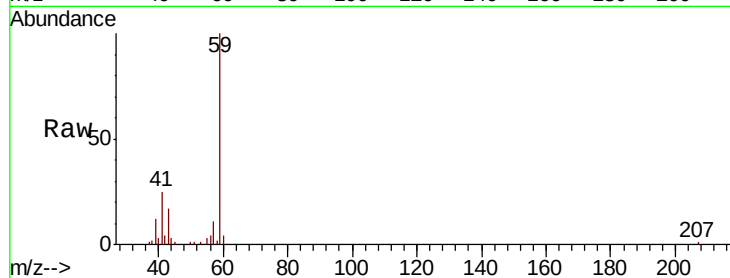
Tert butyl alcohol
 Concen: 102.753 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	59	Resp	92008
Ion Ratio	100	Lower	Upper
57	10.5	8.4	12.6

Manual Integrations
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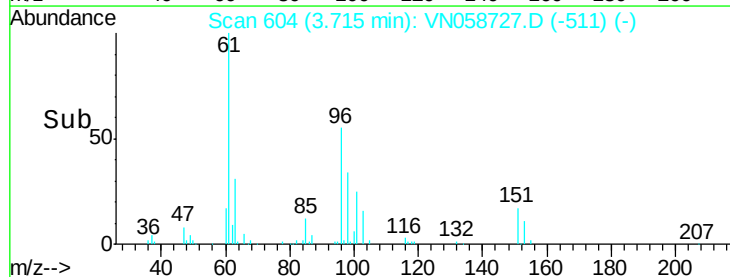
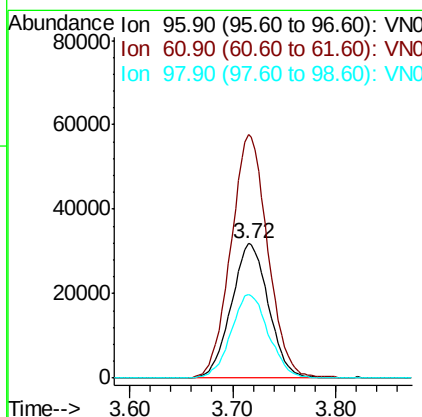
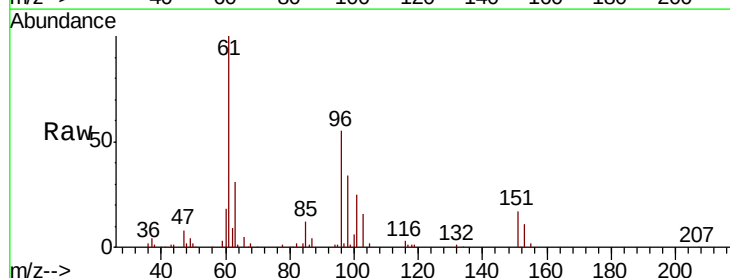
MMDadoda
 10/16/2019 12:48:58 AM

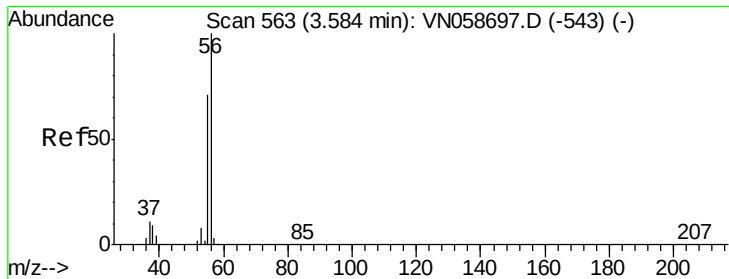


#12

1,1-Dichloroethene
 Concen: 21.109 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	96	Resp	80063
Ion Ratio	100	Lower	Upper
61	180.8	151.3	226.9
98	62.1	52.6	78.8





#13

Acrolein

Concen: 91.979 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 56 Resp: 66239

Ion Ratio Lower Upper

56 100

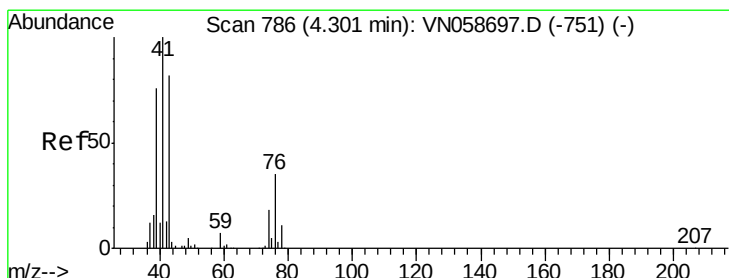
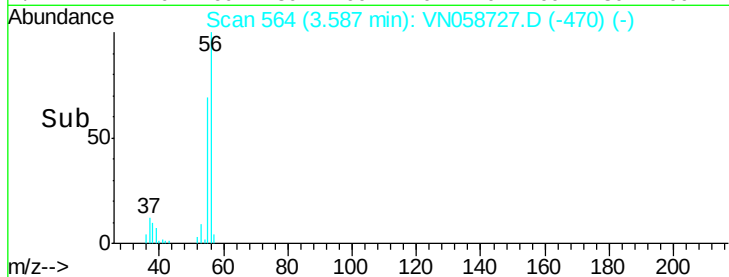
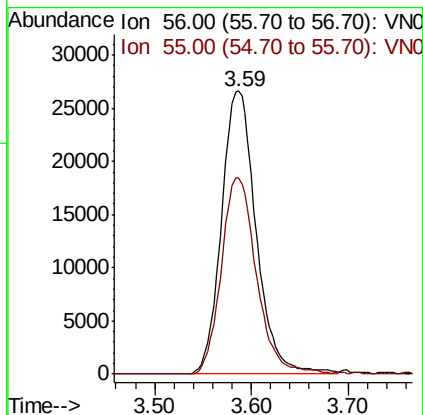
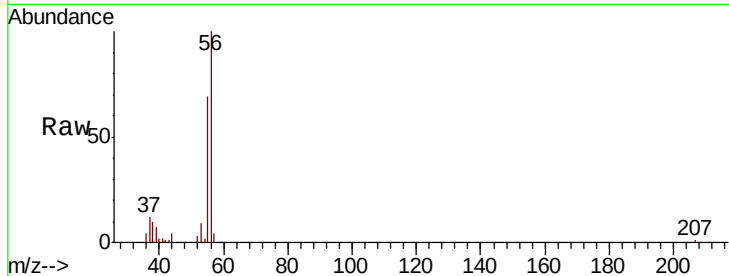
55 69.7 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.378 ug/l m

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

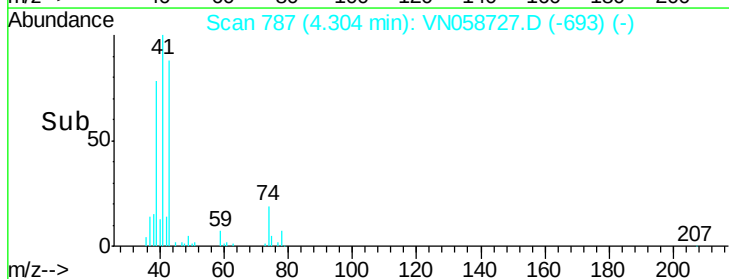
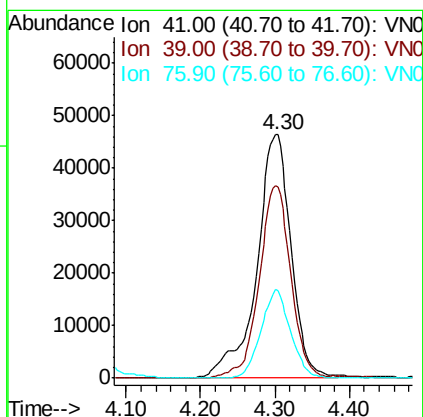
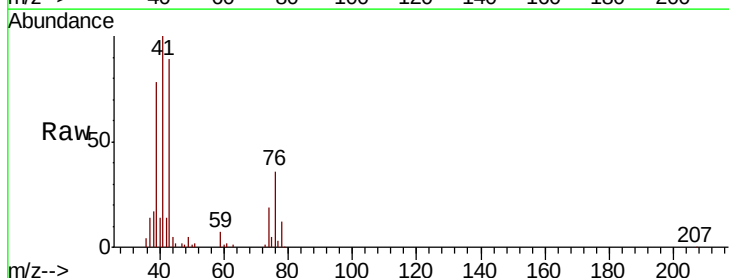
Tgt Ion: 41 Resp: 148318

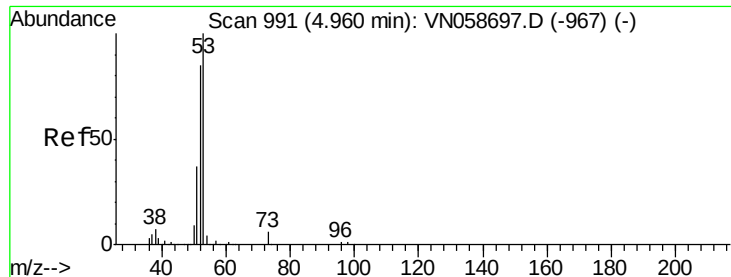
Ion Ratio Lower Upper

41 100

39 72.7 57.2 85.8

76 31.1 25.0 37.6





#15

Acrylonitrile

Concen: 104.234 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

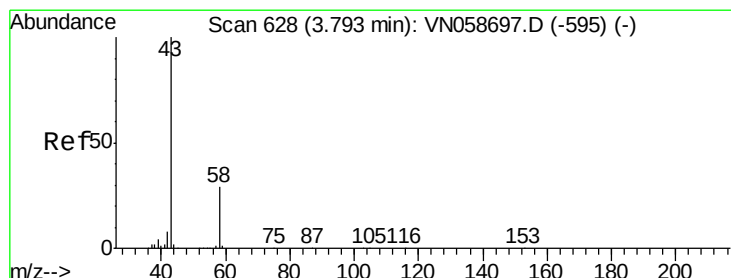
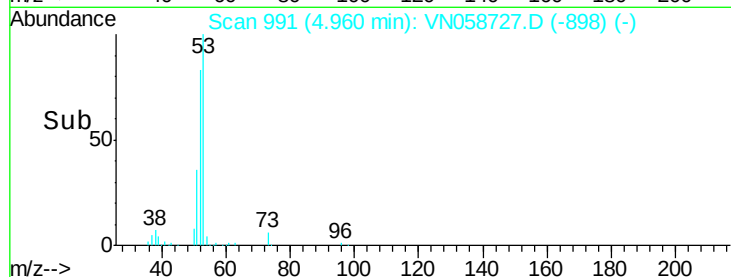
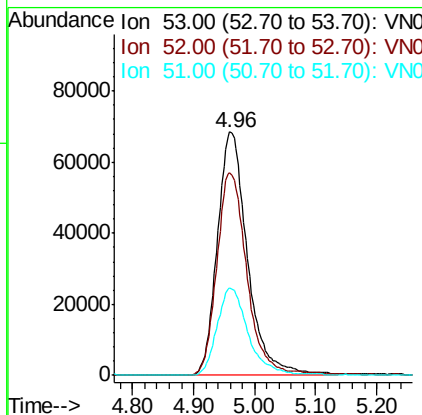
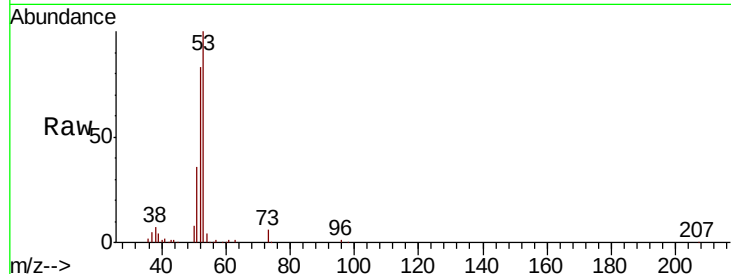
ClientSampleId :

VN1013WBS02

Tot Ion:	53	Resp:	235374
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.9	29.4	44.2

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#16

Acetone

Concen: 92.491 ug/l

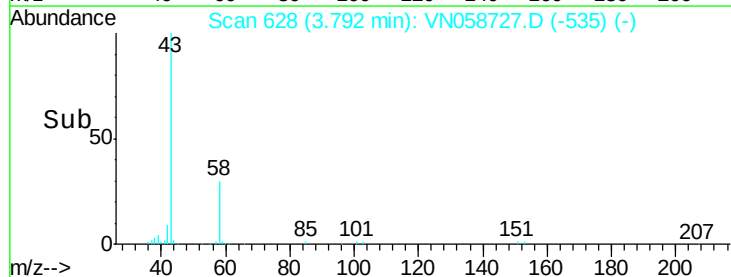
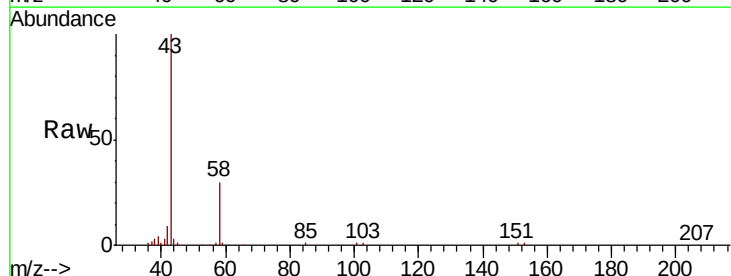
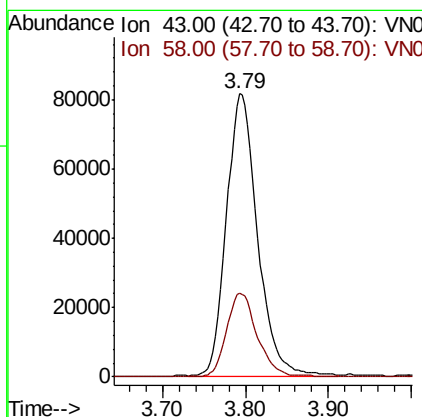
RT: 3.79 min Scan# 628

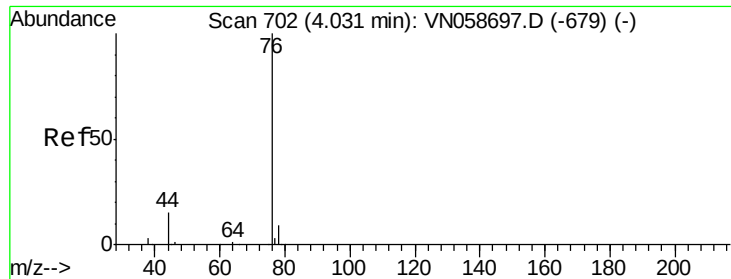
Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion:	43	Resp:	211710
Ion Ratio		Lower	Upper
43	100		
58	29.6	23.3	34.9





#17

Carbon Disulfide

Concen: 20.182 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 76 Resp: 244680

Ion Ratio Lower Upper

76 100

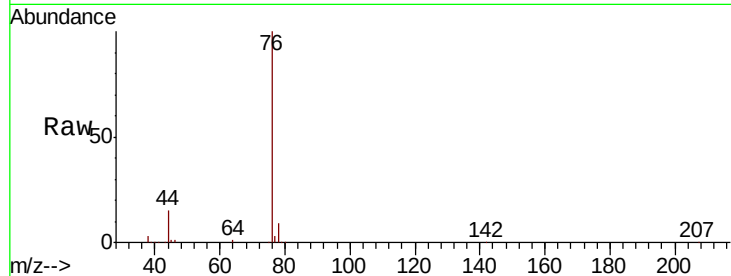
78 8.7 7.1 10.7

Manual Integrations

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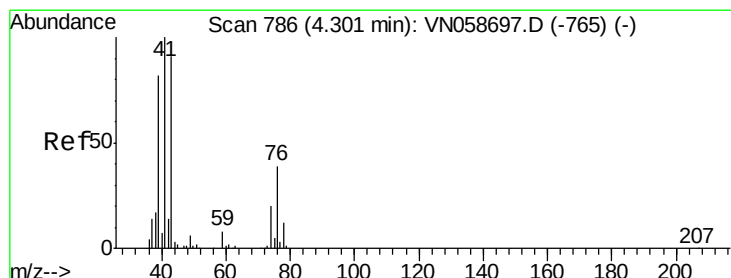
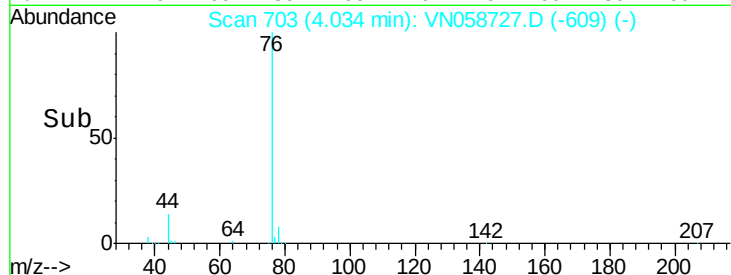
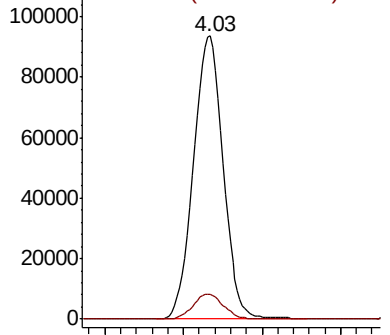
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.684 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058727.D

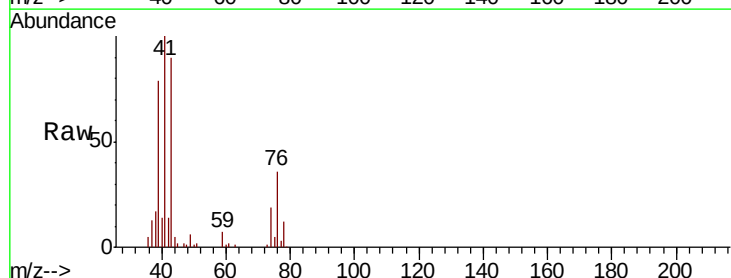
Acq: 12 Oct 2019 1:33

Tgt Ion: 43 Resp: 120097

Ion Ratio Lower Upper

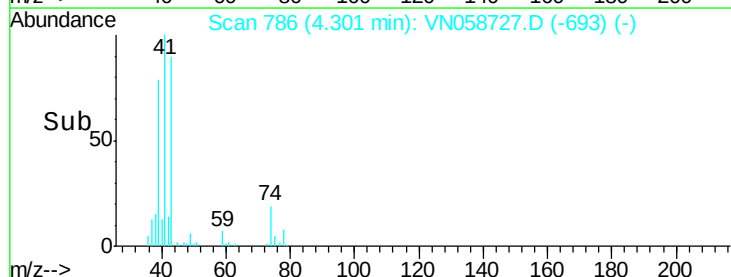
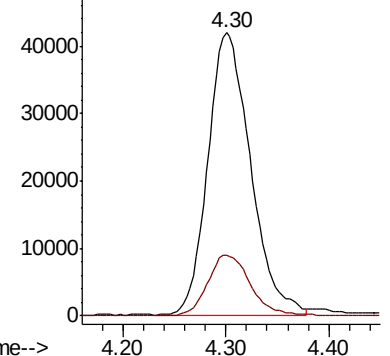
43 100

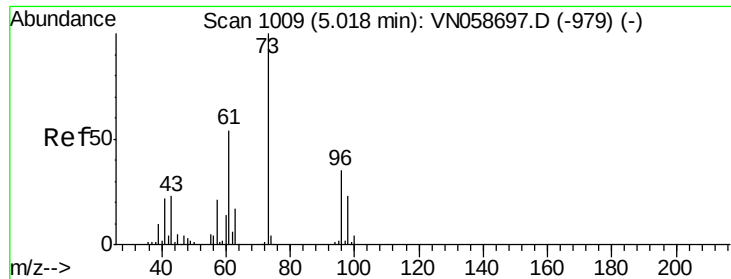
74 21.6 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





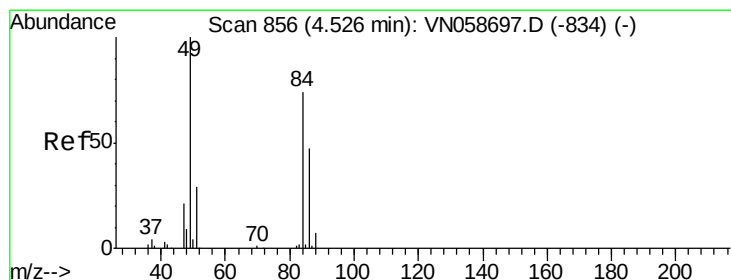
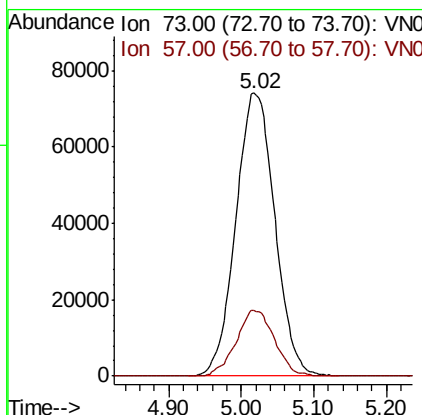
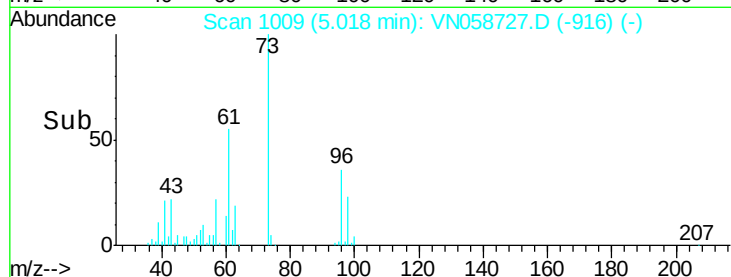
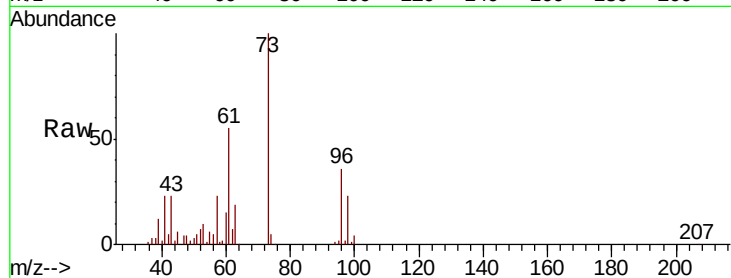
#19
Methyl tert-butyl Ether
Concen: 20.530 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion: 73 Resp: 278040
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6

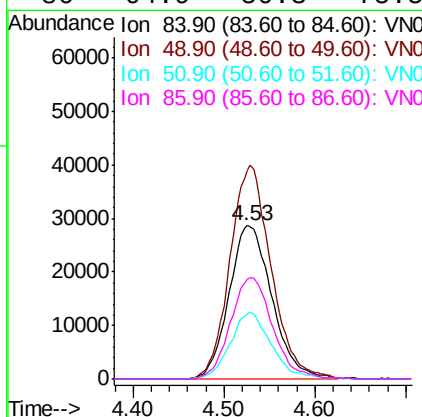
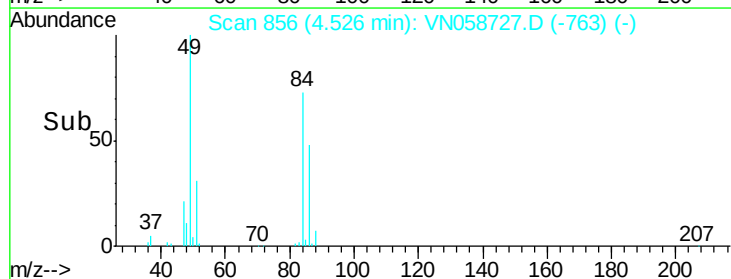
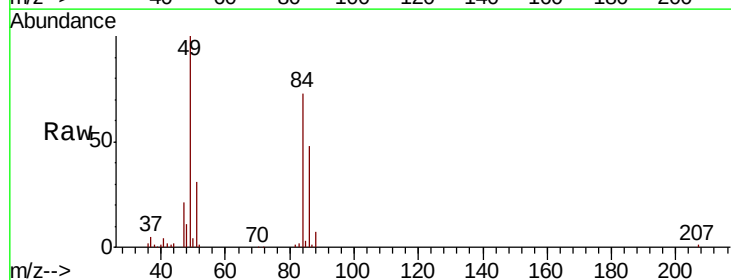
Manual Integrations
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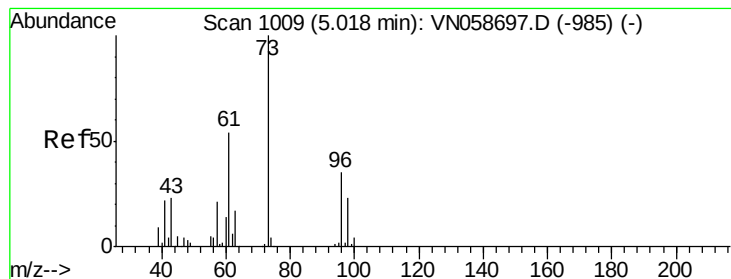
MMDadoda
10/16/2019 12:48:58 AM



#20
Methylene Chloride
Concen: 19.631 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 84 Resp: 93914
Ion Ratio Lower Upper
84 100
49 136.4 107.6 161.4
51 43.0 31.4 47.0
86 64.9 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.762 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 96 Resp: 88082

Ion Ratio Lower Upper

96 100

61 150.4 123.6 185.4

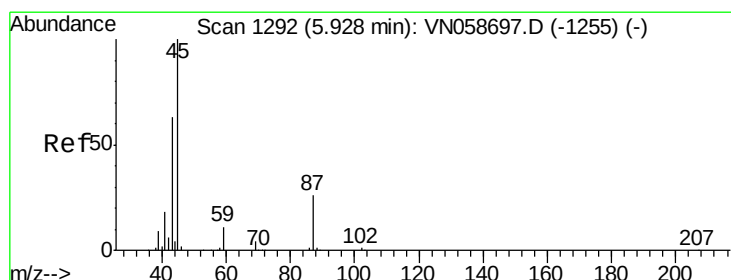
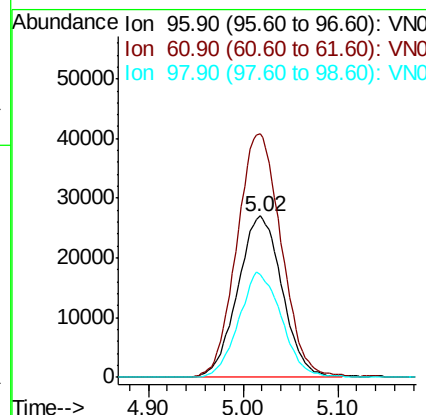
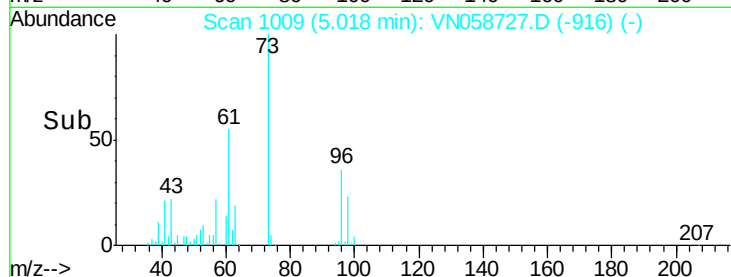
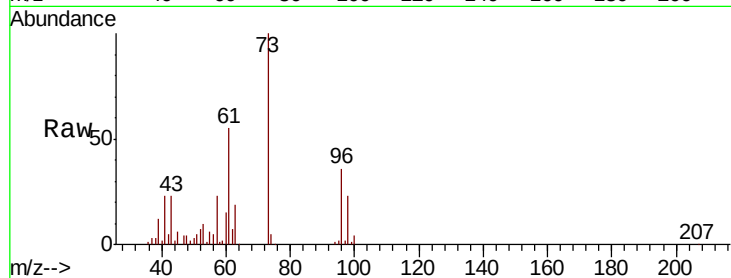
98 64.1 52.1 78.1

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#22

Diisopropyl ether

Concen: 20.797 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion: 45 Resp: 309504

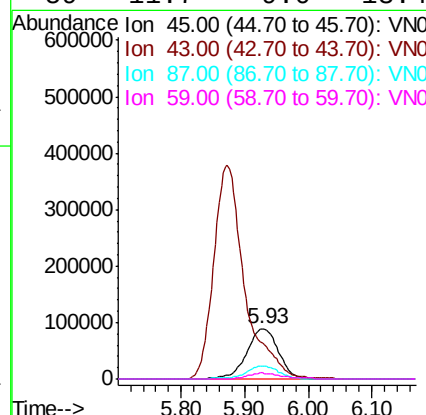
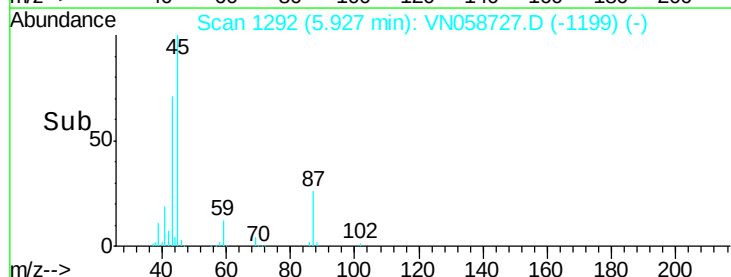
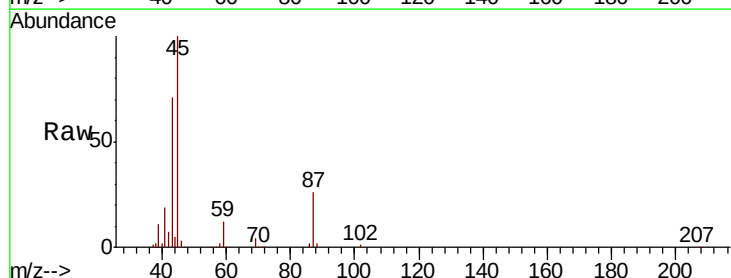
Ion Ratio Lower Upper

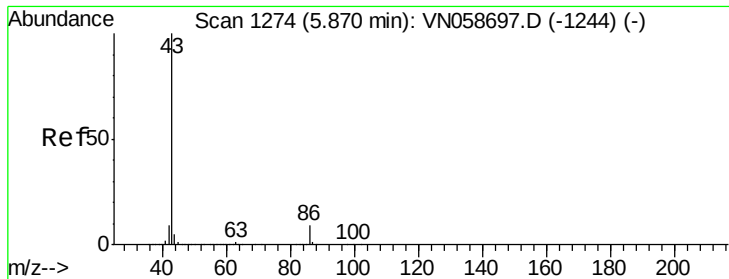
45 100

43 70.0 50.6 75.8

87 26.1 21.1 31.7

59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 106.481 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 43 Resp: 1278665

Ion Ratio Lower Upper

43 100

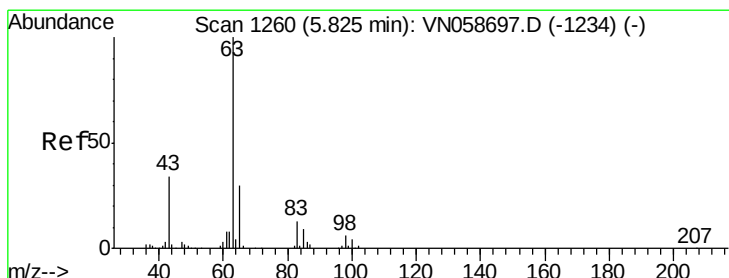
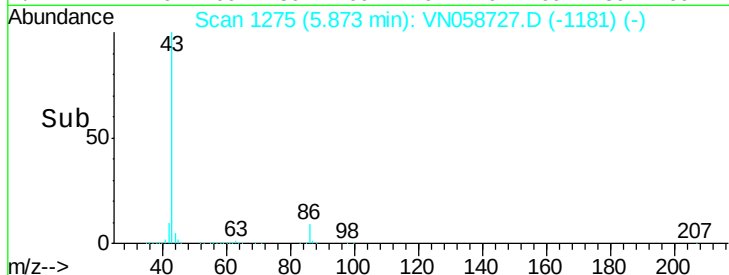
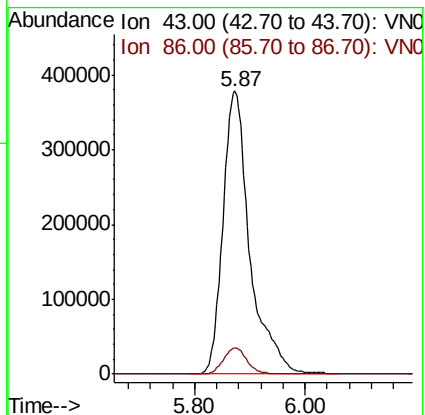
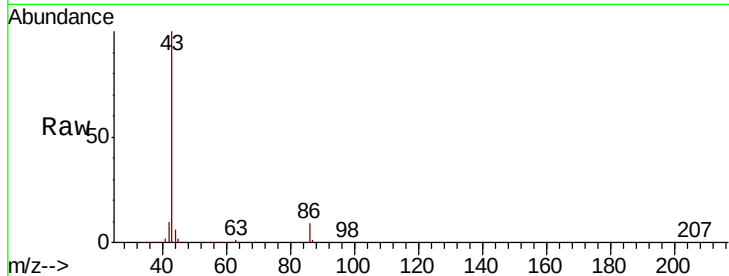
86 9.2 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.127 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

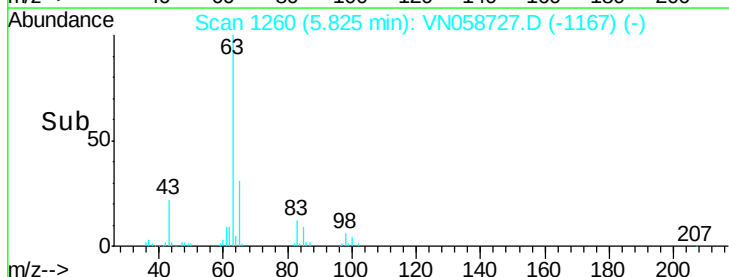
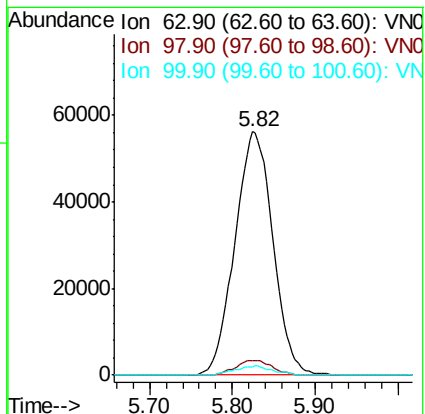
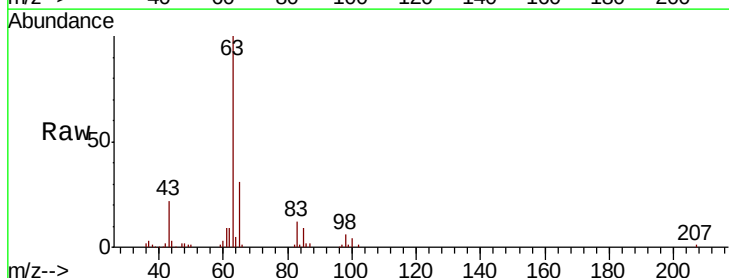
Tgt Ion: 63 Resp: 179068

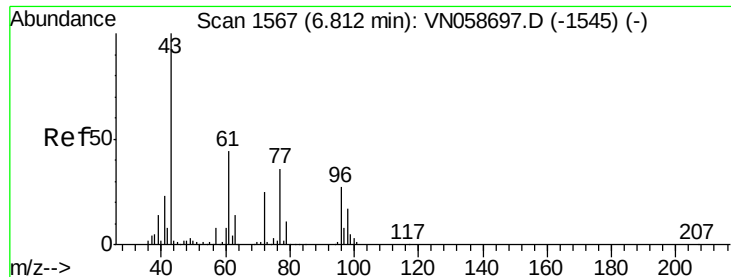
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.6 1.8 5.5





#25

2-Butanone

Concen: 98.134 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tot Ion: 43 Resp: 324673

Ion Ratio Lower Upper

43 100

72 24.6 20.2 30.2

Instrument :

MSVOA_N

ClientSampleId :

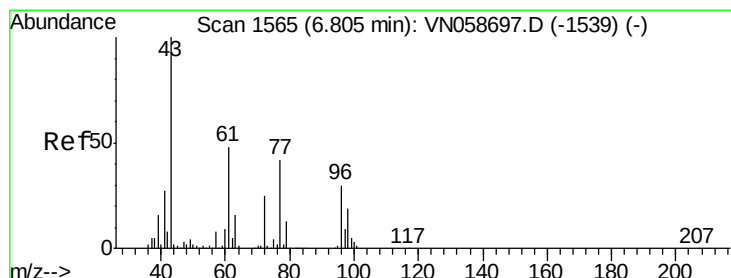
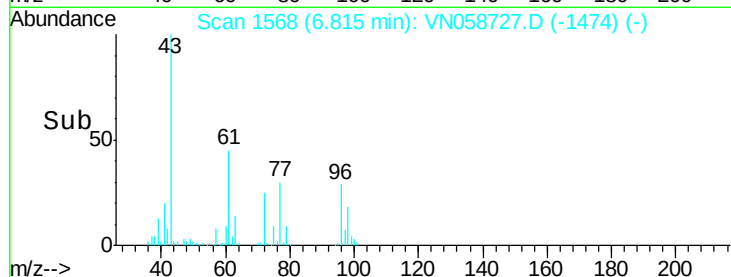
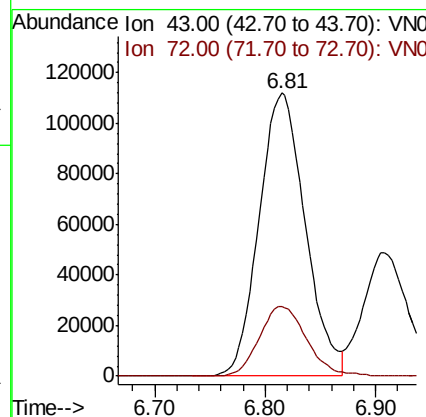
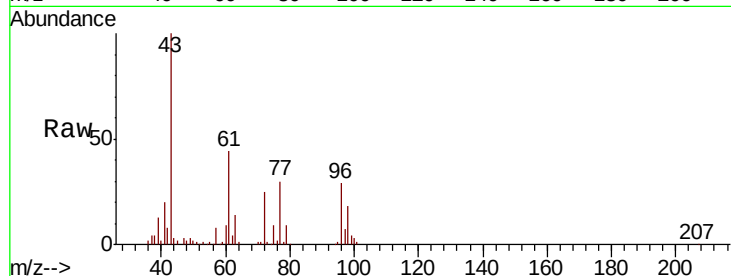
VN1013WBS02

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.733 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058727.D

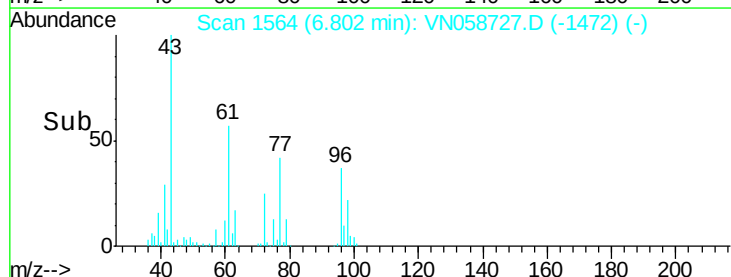
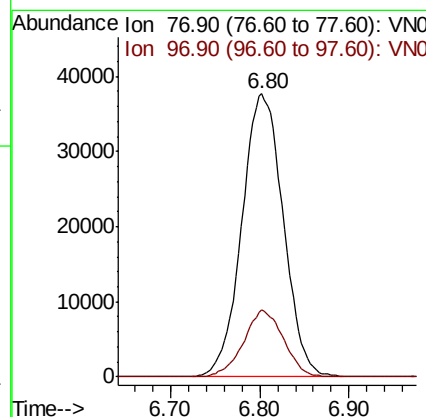
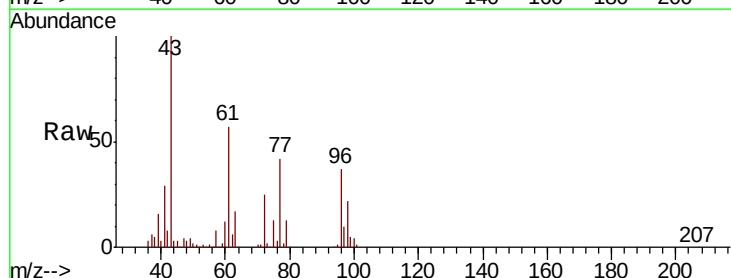
Acq: 12 Oct 2019 1:33

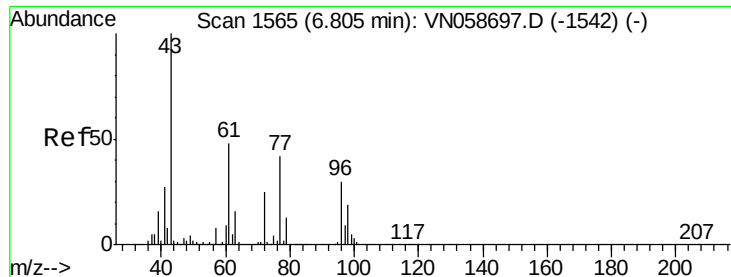
Tgt Ion: 77 Resp: 121730

Ion Ratio Lower Upper

77 100

97 22.7 10.7 31.9





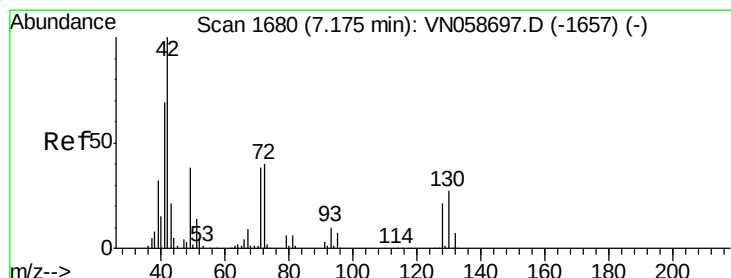
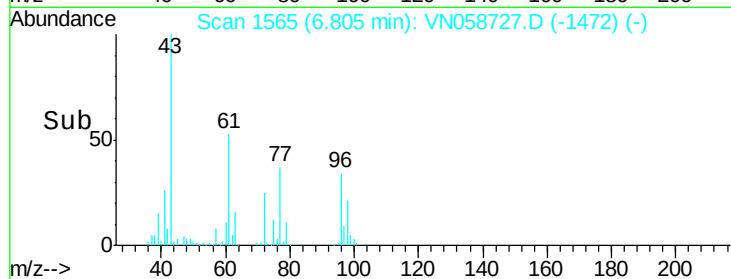
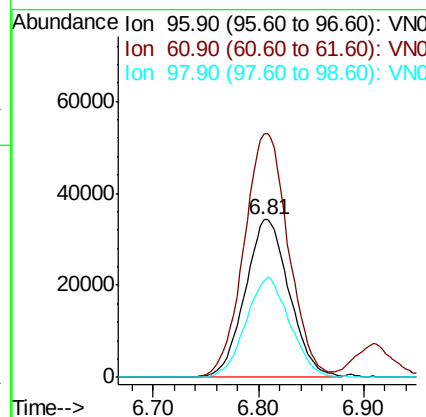
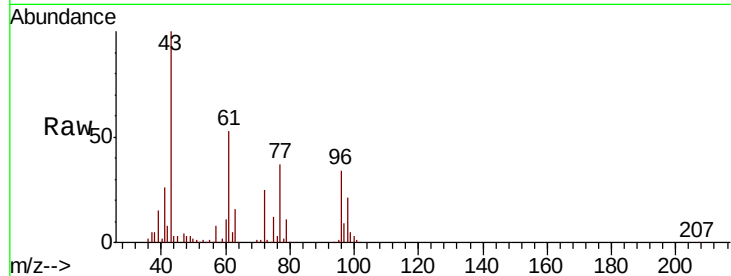
#27
 cis-1,2-Dichloroethene
 Concen: 20.194 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	155.5	0.0	324.8	
98	62.9	0.0	129.2	

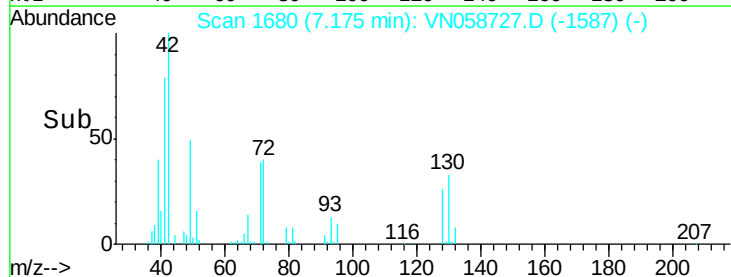
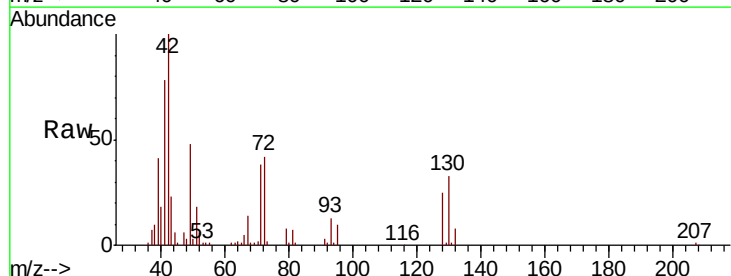
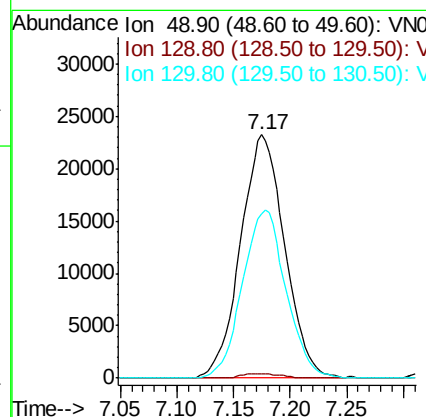
Manual Integrations
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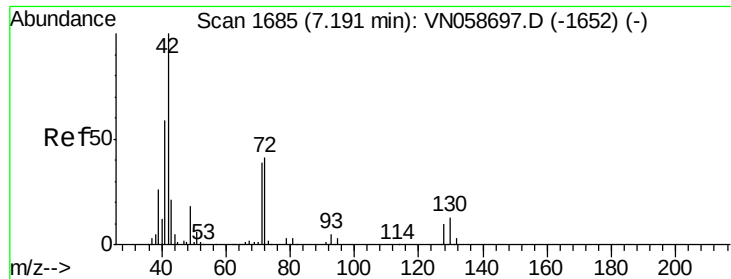
MMDadoda
 10/16/2019 12:48:58 AM



#28
 Bromochloromethane
 Concen: 21.350 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.7	0.0	3.6	
130	68.2	55.0	82.4	





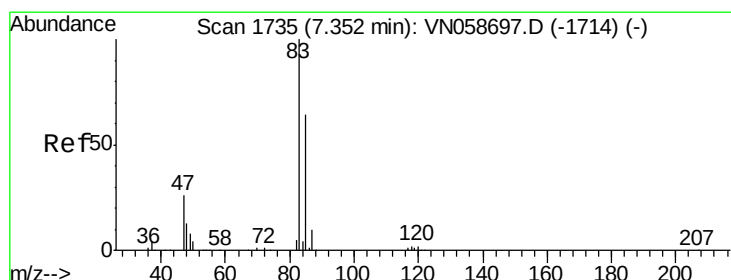
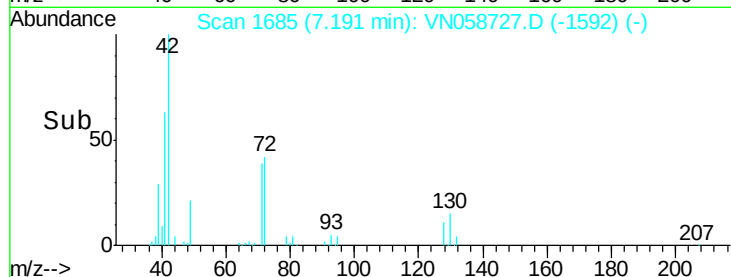
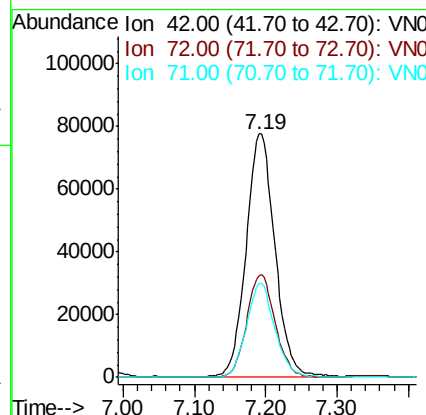
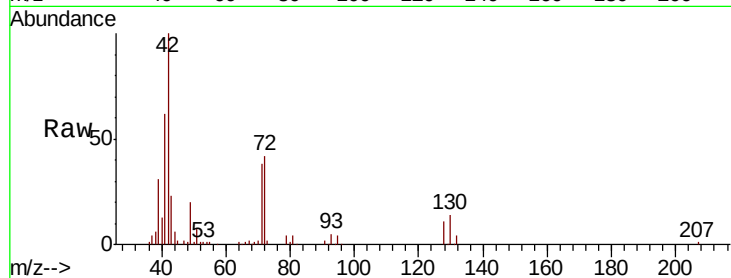
#29
Tetrahydrofuran
Concen: 102.642 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.8	49.2
71	37.6	31.1	46.7

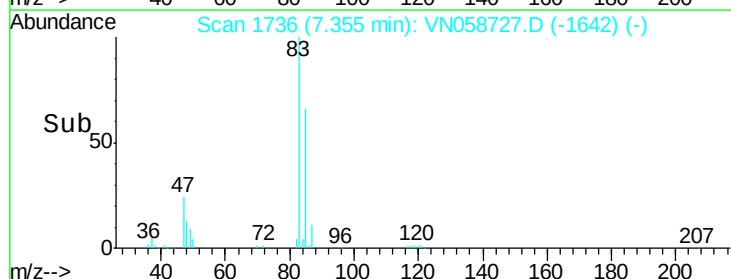
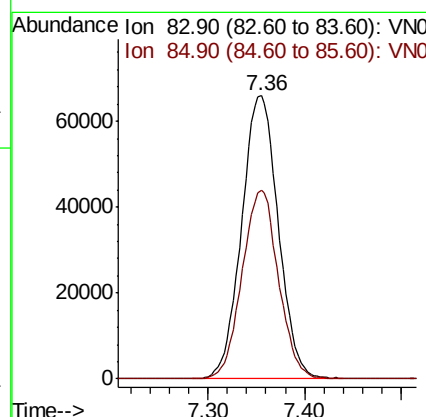
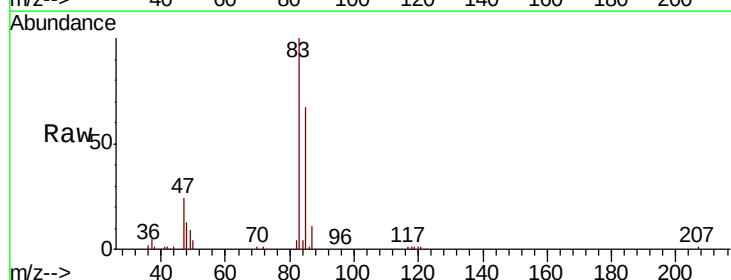
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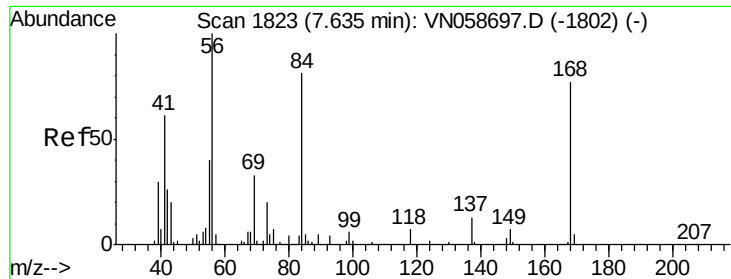
MMDadoda
10/16/2019 12:48:58 AM



#30
Chloroform
Concen: 20.420 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.0	76.6





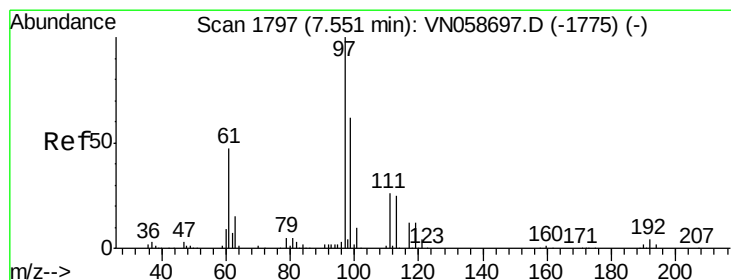
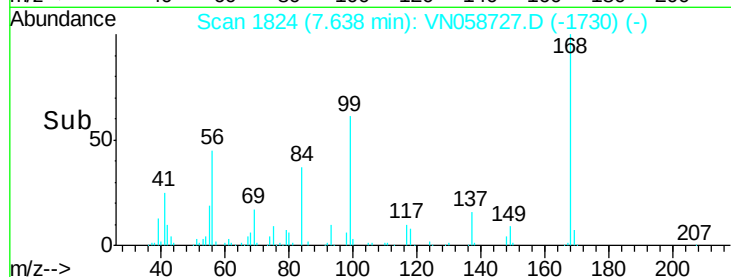
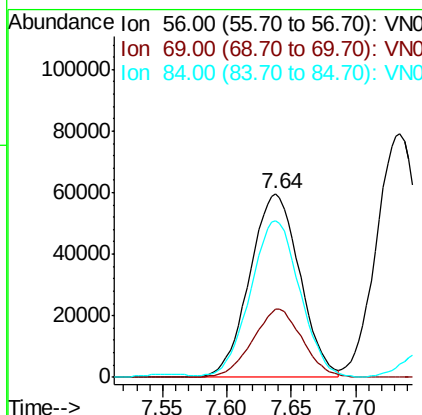
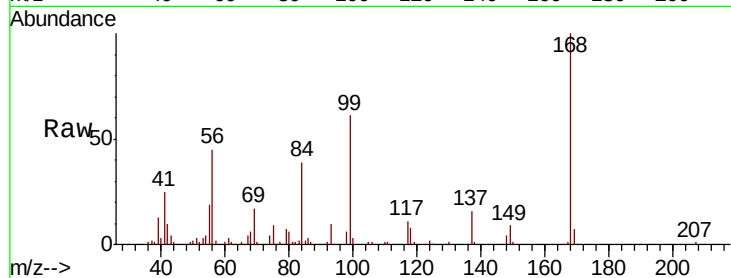
#31
Cyclohexane
Concen: 19.859 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	84.0	64.9	97.3

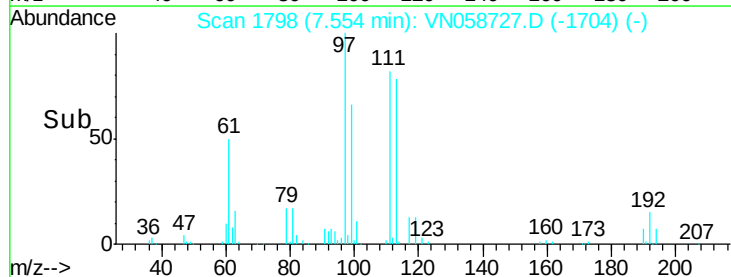
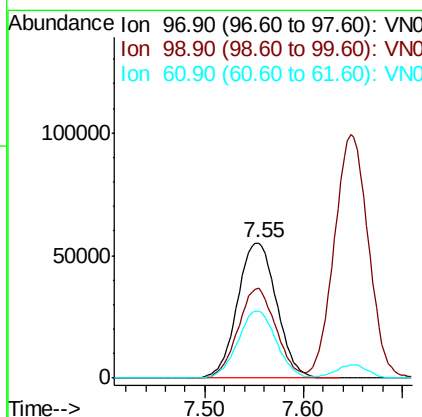
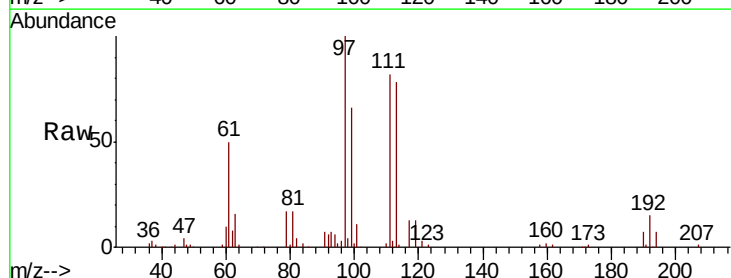
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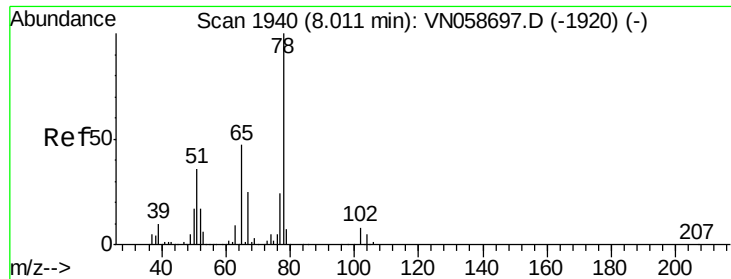
MMDadoda
10/16/2019 12:48:58 AM



#32
1,1,1-Trichloroethane
Concen: 20.844 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.8	76.2
61	48.6	38.1	57.1





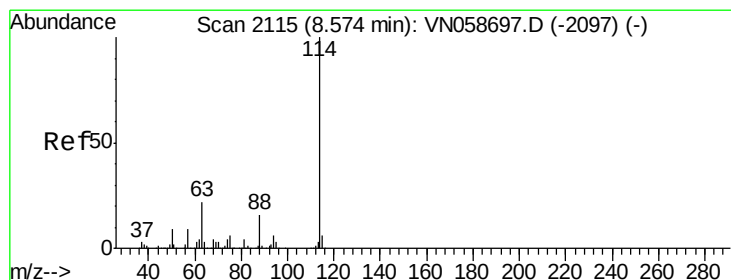
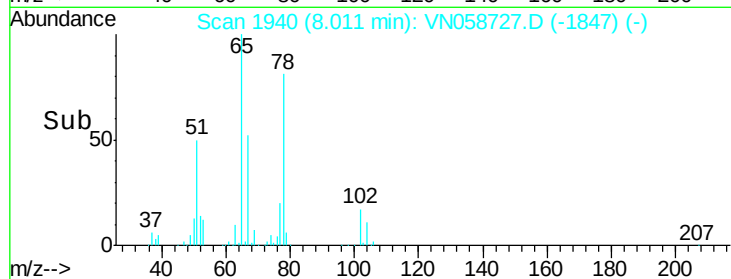
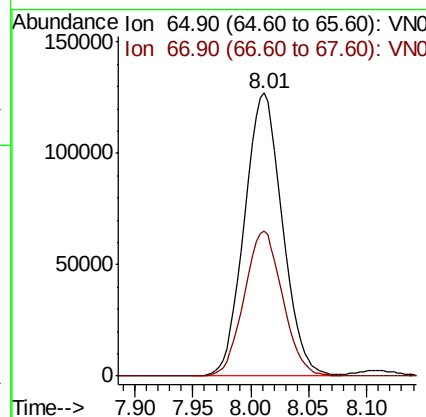
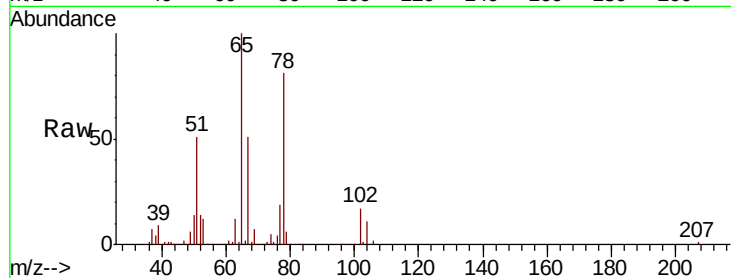
#33
 1,2-Dichloroethane-d4
 Concen: 52.650 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	291100		
67	51.5	0.0	103.8	

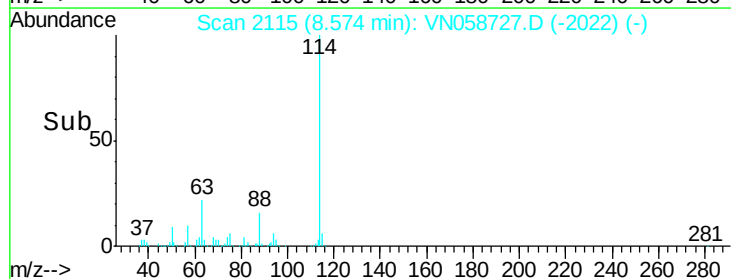
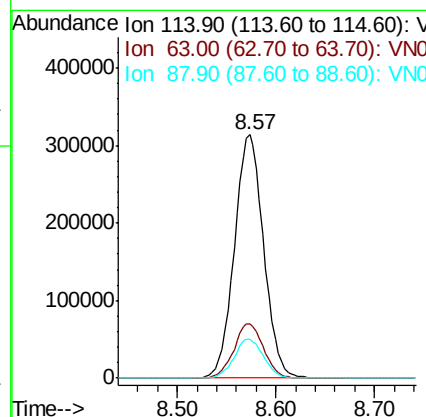
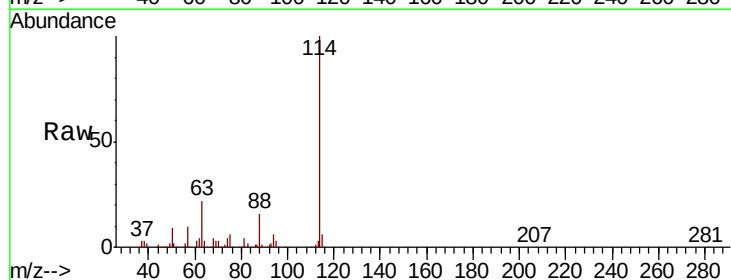
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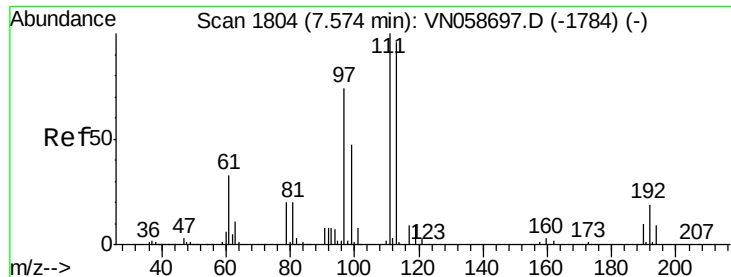
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	646494		
63	22.4	0.0	43.8	
88	15.9	0.0	32.0	





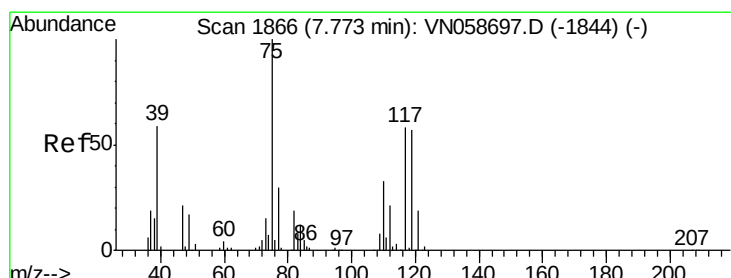
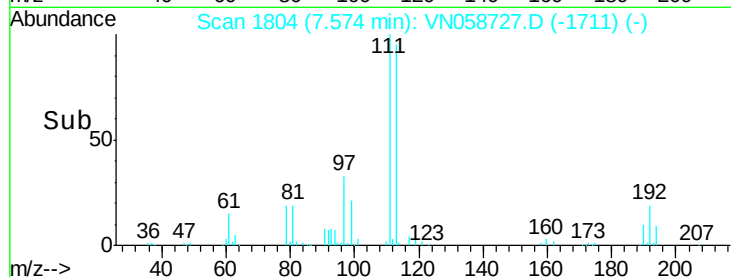
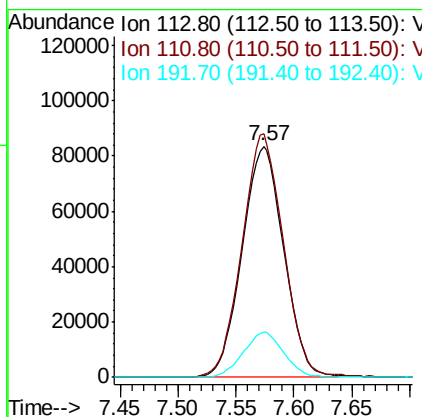
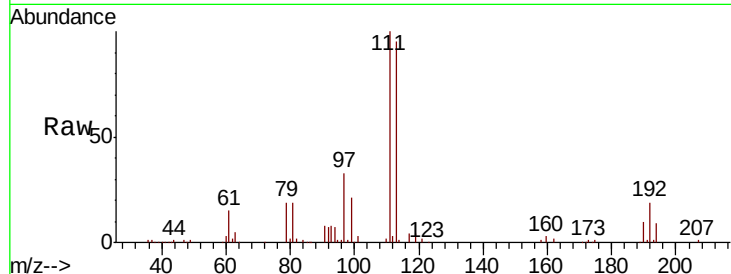
#35
Dibromofluoromethane
Concen: 52.339 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209002		
111	104.7		82.3	123.5
192	19.1		15.0	22.6

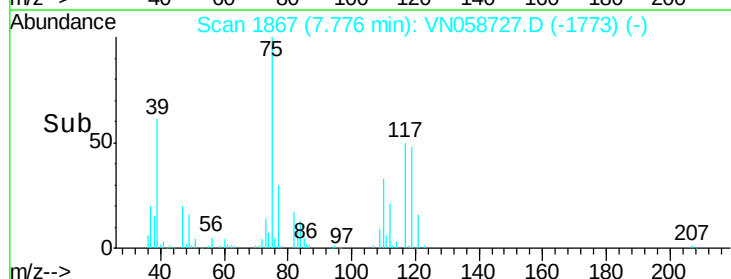
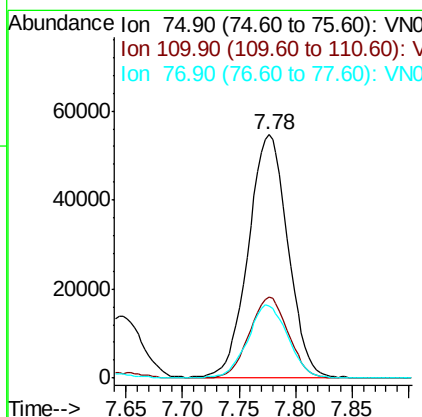
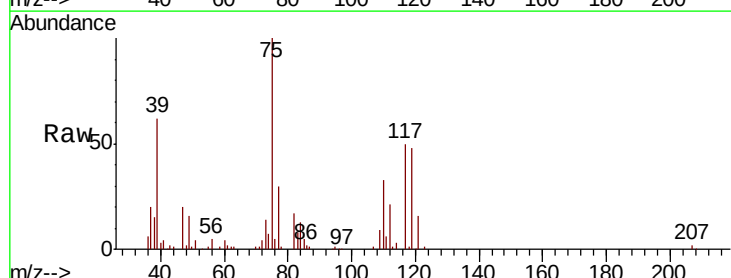
Manual Integrations
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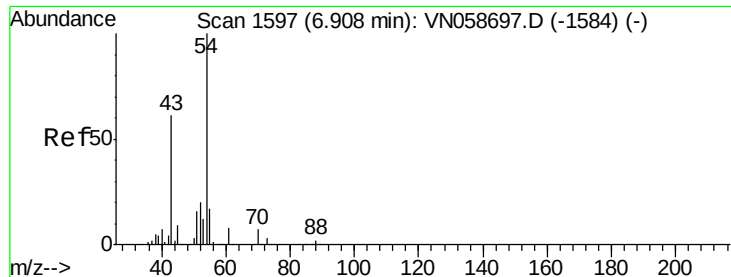
MMDadoda
10/16/2019 12:48:58 AM



#36
1,1-Dichloropropene
Concen: 20.216 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132144		
110	32.9		16.6	49.8
77	30.8		24.6	37.0





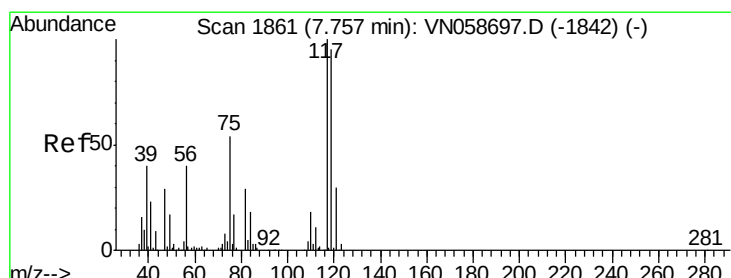
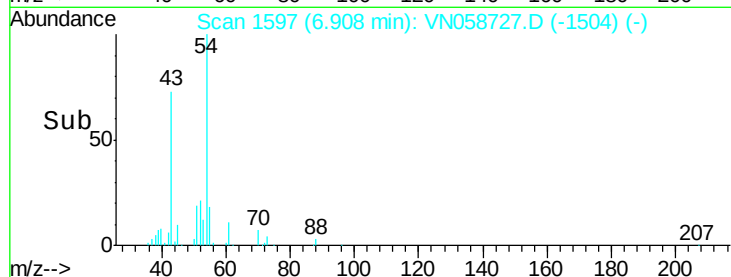
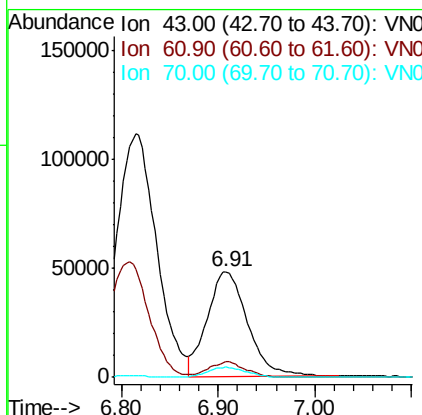
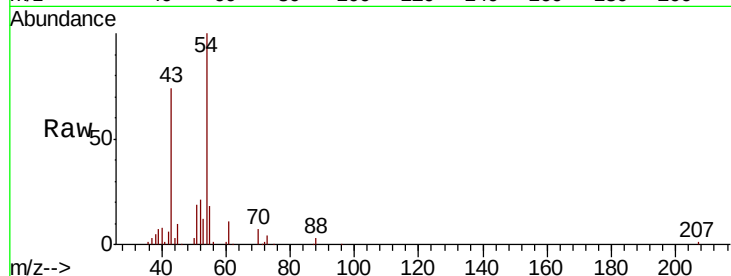
#37
Ethyl Acetate
Concen: 21.172 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.3	16.9
70	9.2	7.2	10.8

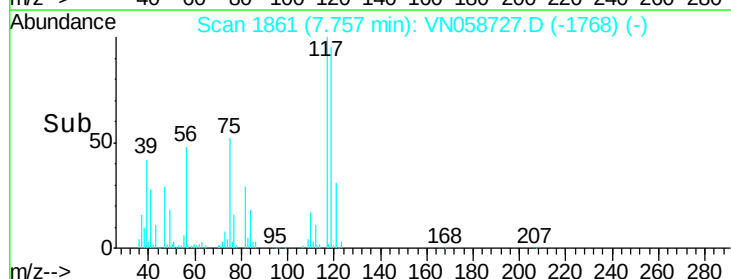
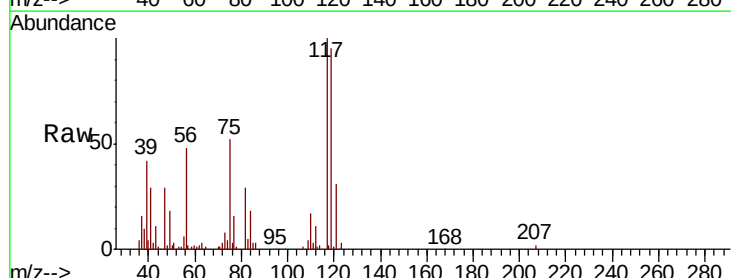
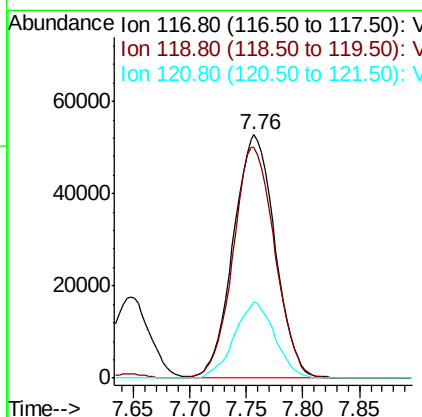
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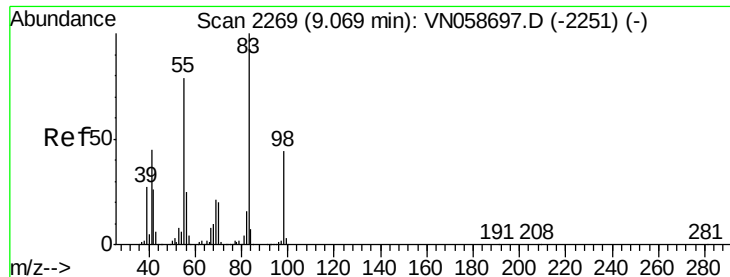
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#38
Carbon Tetrachloride
Concen: 21.248 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.7	113.5
121	31.1	23.9	35.9





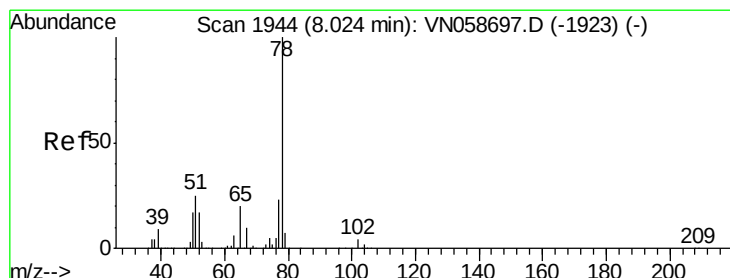
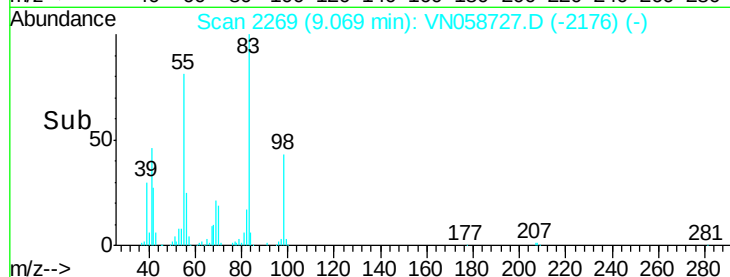
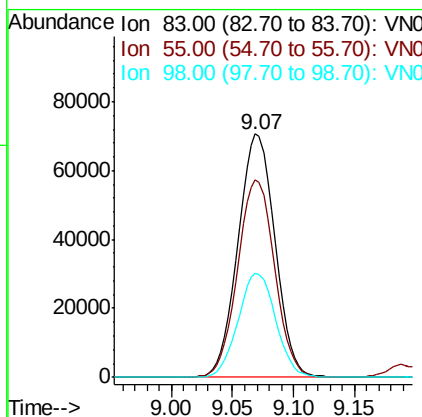
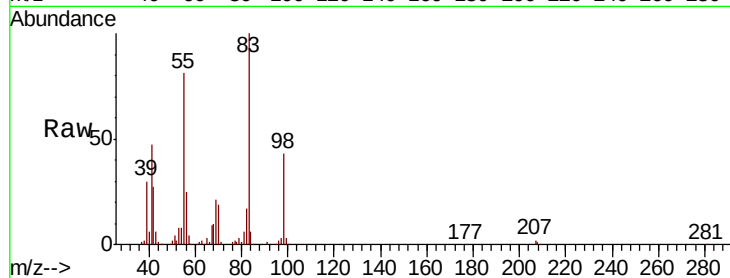
#39
Methylvlcyclohexane
Concen: 19.519 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.4	95.0
98	42.7	35.1	52.7

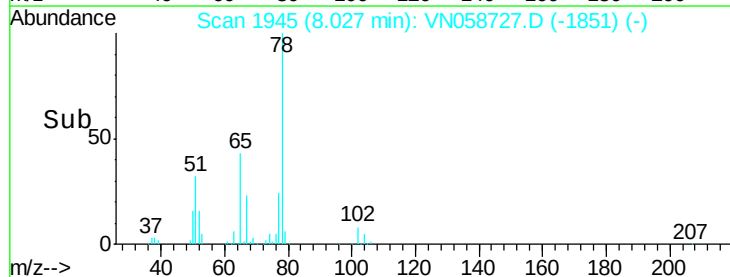
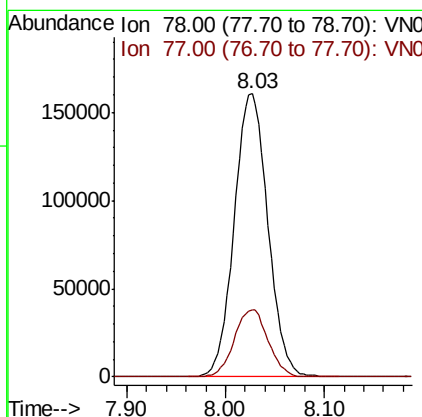
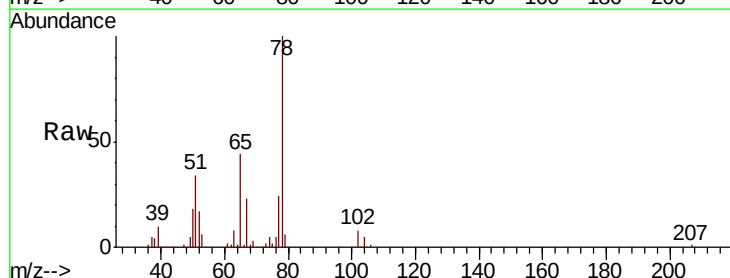
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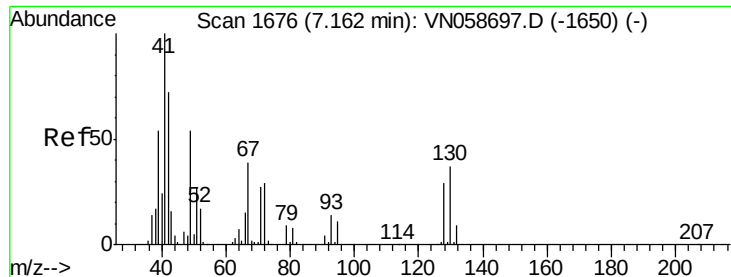
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10/16/2019 12:48:58 AM



#40
Benzene
Concen: 20.252 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





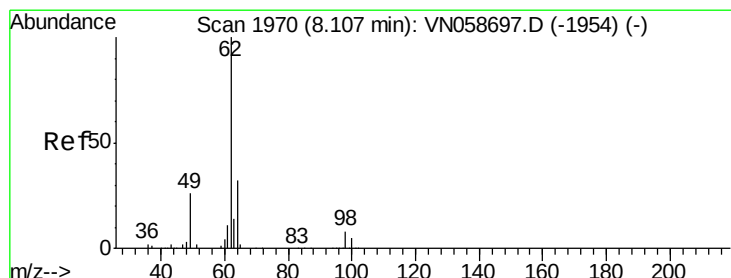
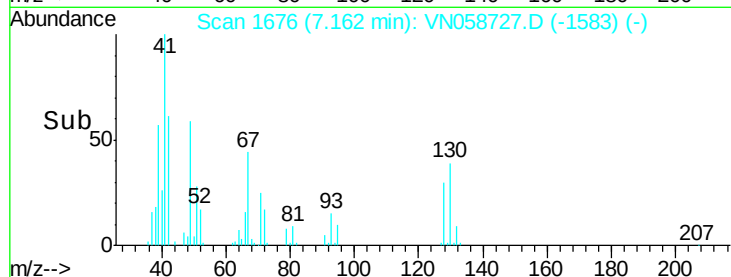
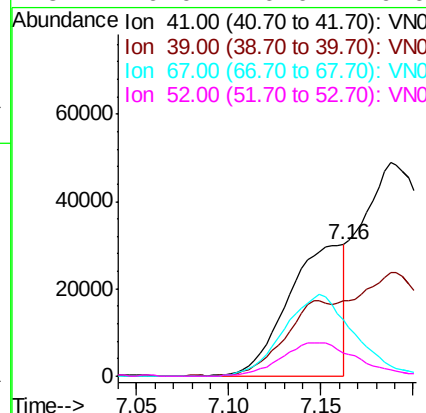
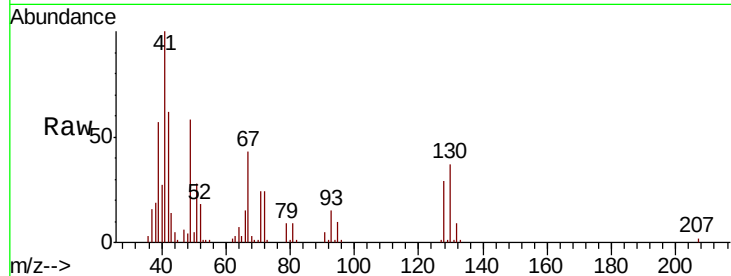
#41
Methacrylonitrile
Concen: 20.555 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	41	Resp	63605
Ion Ratio	Lower	Upper	
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

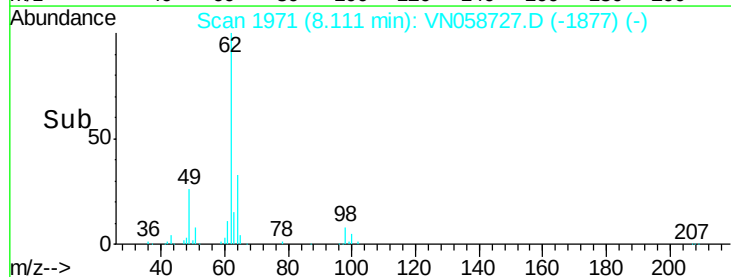
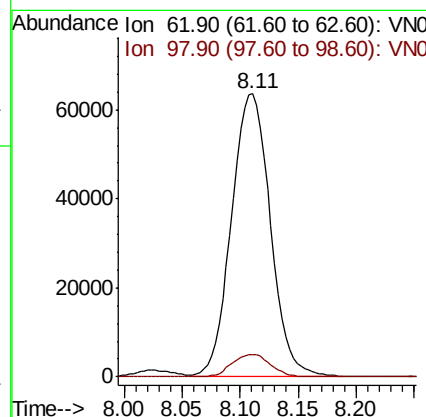
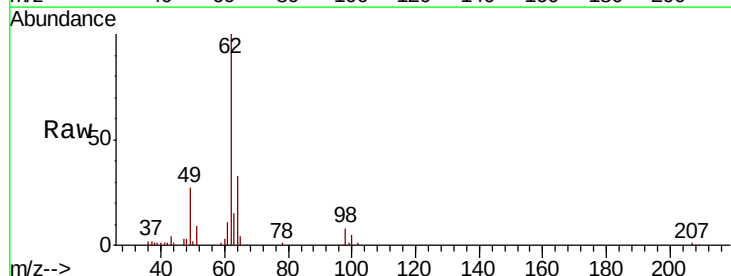
Manual Integrations
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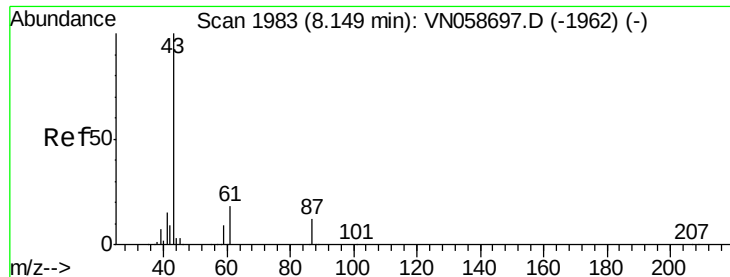
MMDadoda
10/16/2019 12:48:58 AM



#42
1,2-Dichloroethane
Concen: 20.444 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	62	Resp	147444
Ion Ratio	Lower	Upper	
62	100		
98	8.0	0.0	15.8





#43

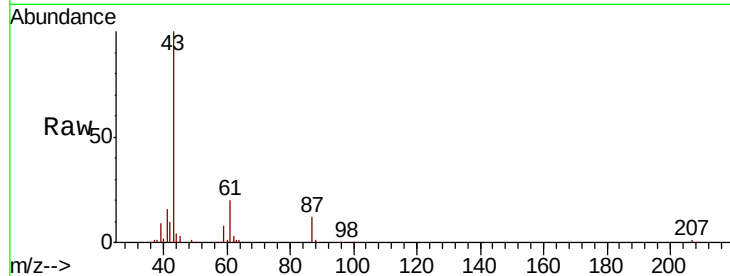
Isopropyl Acetate
 Concen: 19.763 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

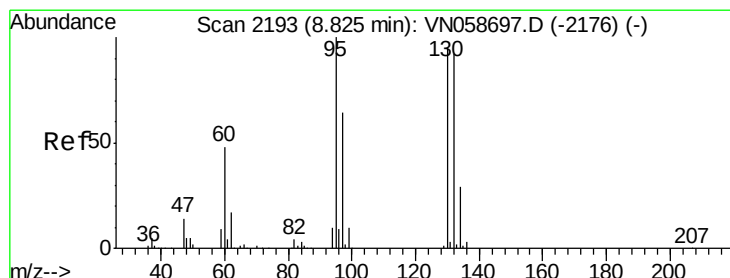
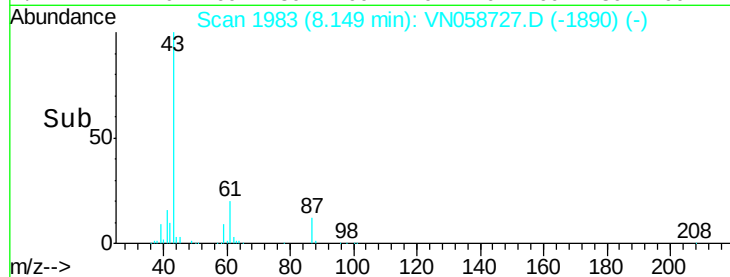
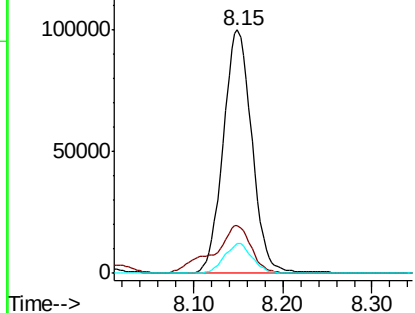
Tot Ion	43	Resp	222555
Ion Ratio	Lower	Upper	
43	100		
61	25.3	20.3	30.5
87	11.9	9.8	14.6

Manual Integrations
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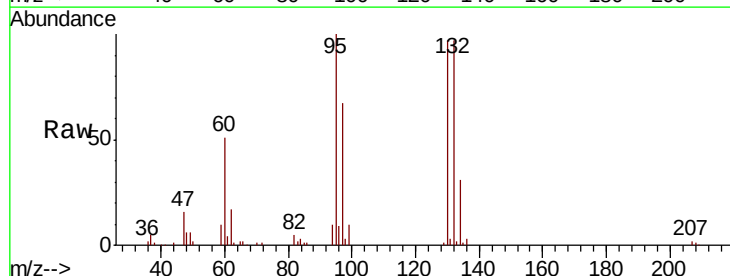
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



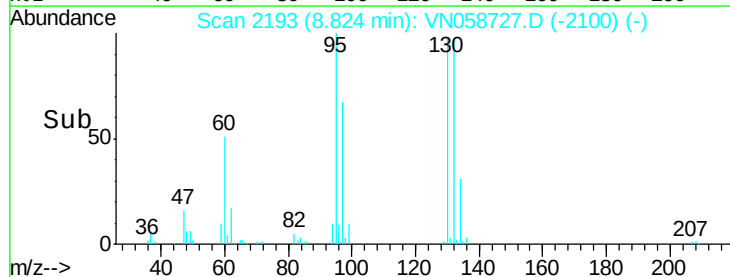
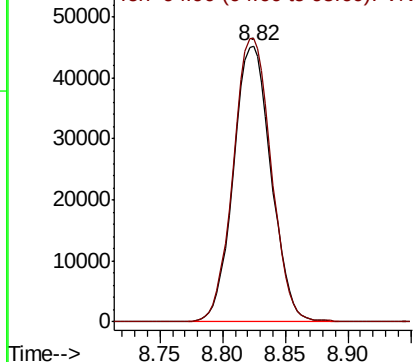
#44

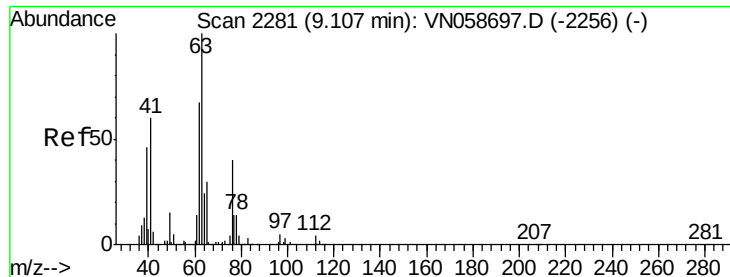
Trichloroethene
 Concen: 20.279 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	130	Resp	94537
Ion Ratio	Lower	Upper	
130	100		
95	102.6	0.0	211.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





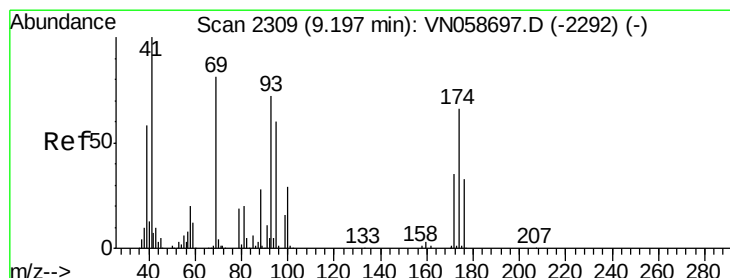
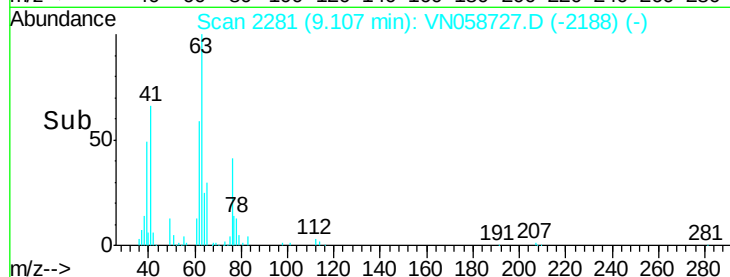
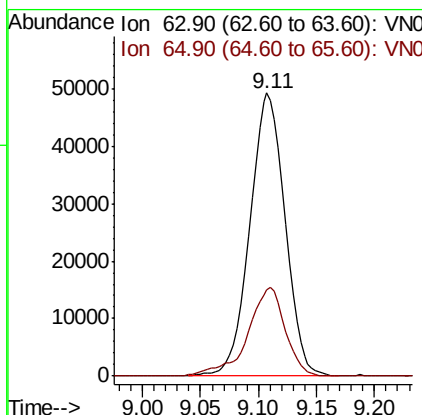
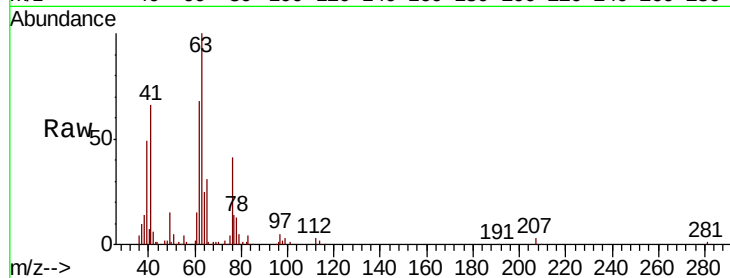
#45
 1,2-Dichloropropane
 Concen: 20.708 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.1	36.1

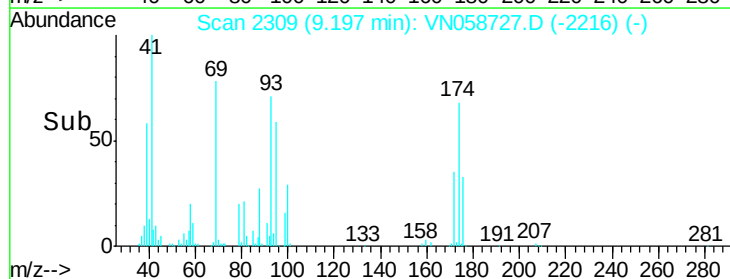
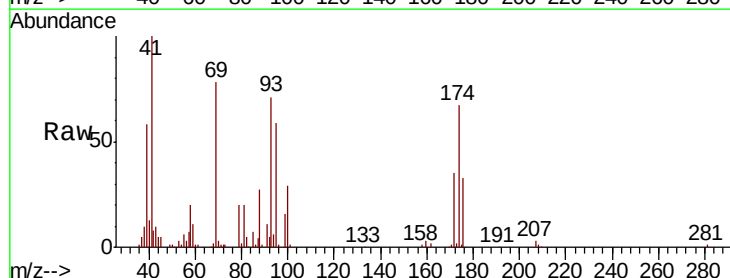
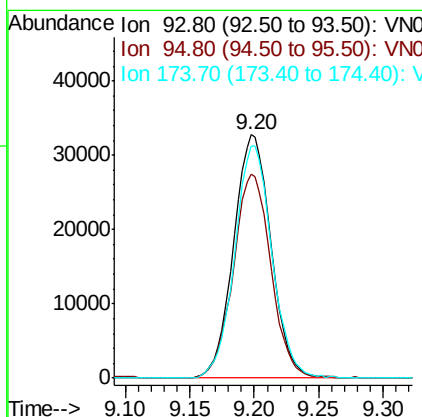
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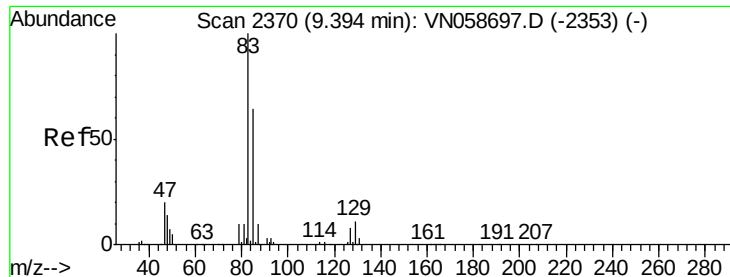
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#46
 Dibromomethane
 Concen: 20.769 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.6	100.0
174	94.9	75.2	112.8





#47

Bromodichloromethane

Concen: 20.691 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

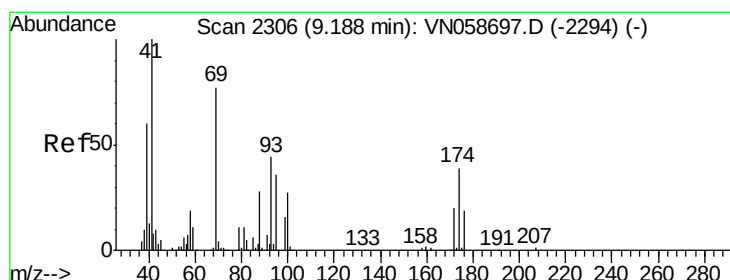
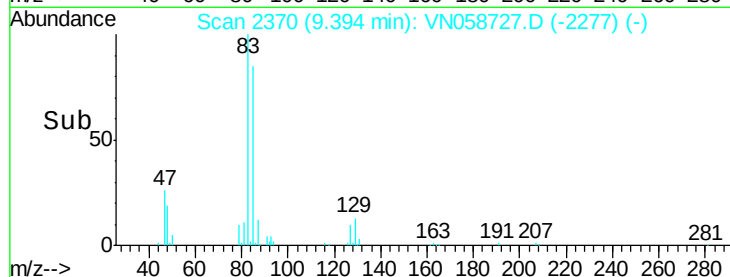
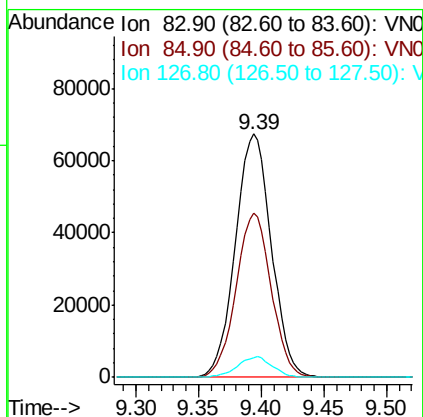
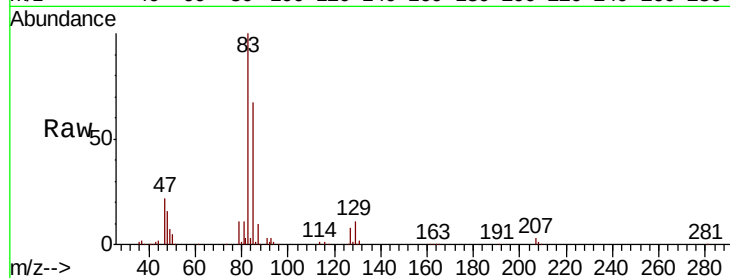
ClientSampleId :

VN1013WBS02

Tot Ion:	83	Resp:	134246
Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.9	76.3
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.616 ug/l

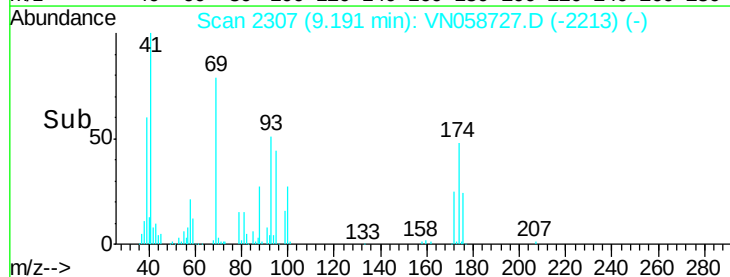
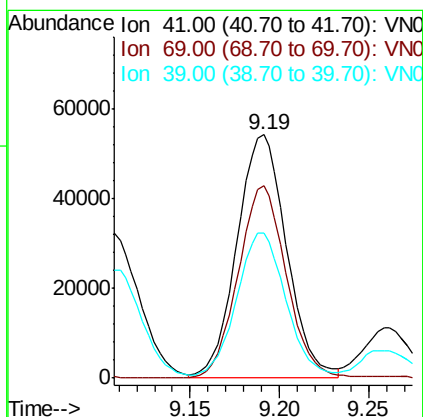
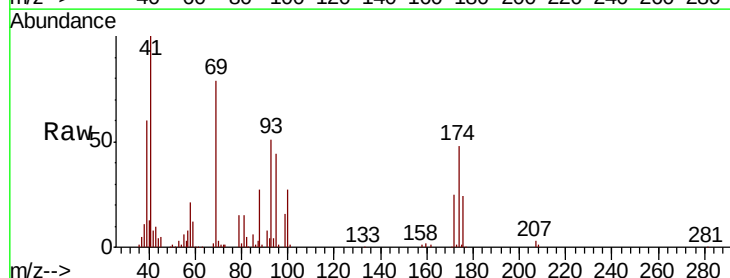
RT: 9.19 min Scan# 2307

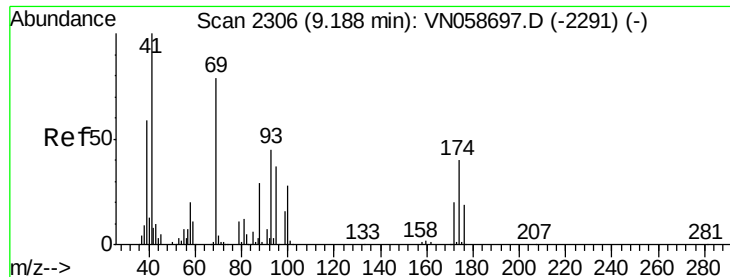
Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion:	41	Resp:	105239
Ion	Ratio	Lower	Upper
41	100		
69	77.4	63.4	95.2
39	57.3	48.9	73.3





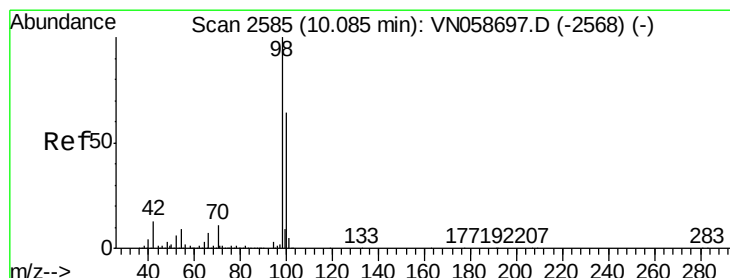
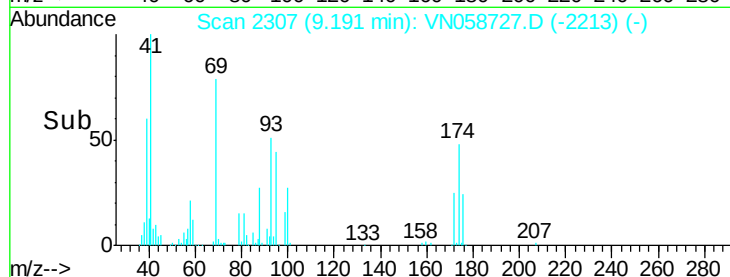
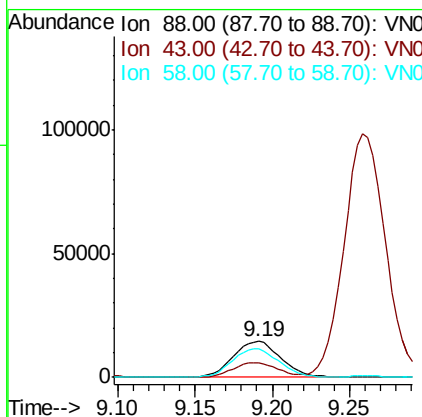
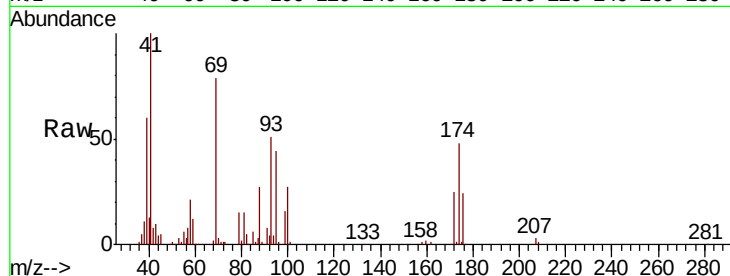
#49
1,4-Dioxane
Concen: 395.012 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	28.6	43.0
58	78.6	57.2	85.8

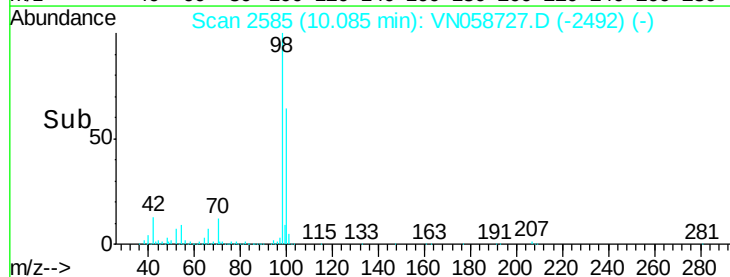
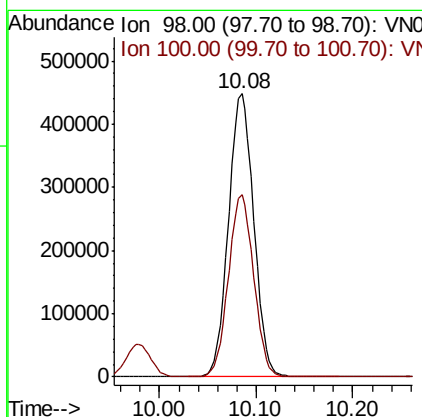
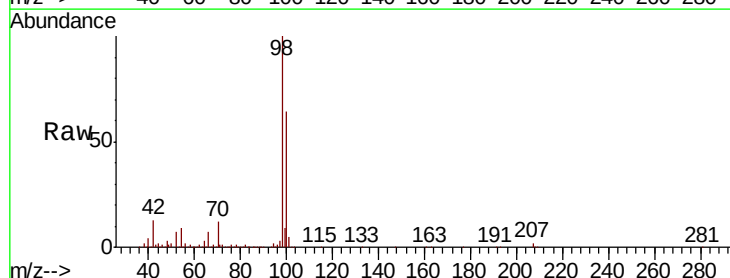
Manual Integrations
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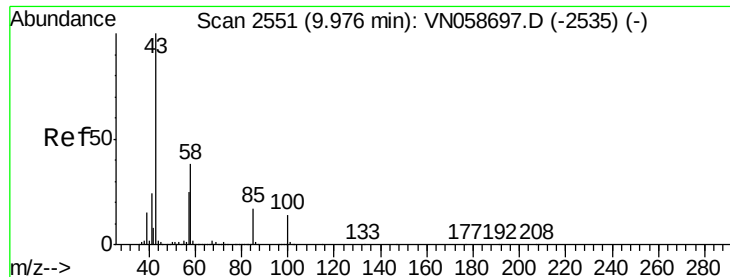
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#50
Toluene-d8
Concen: 50.986 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 108.678 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 43 Resp: 687338

Ion Ratio Lower Upper

43 100

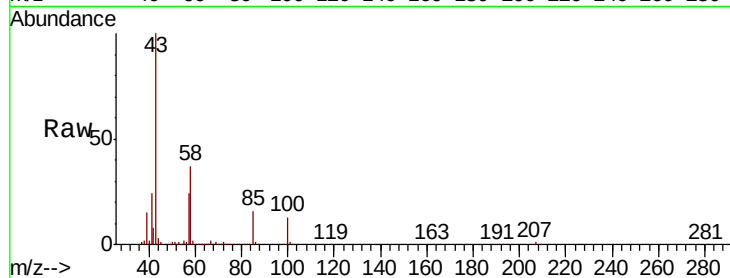
58 37.3 30.3 45.5

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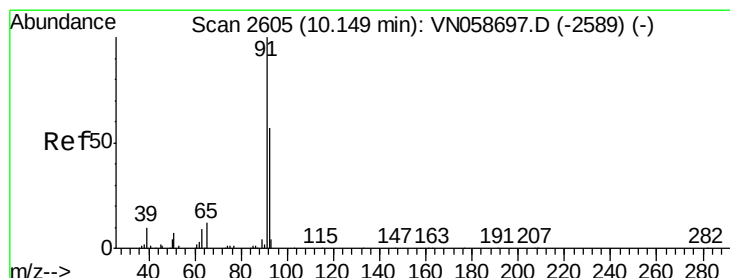
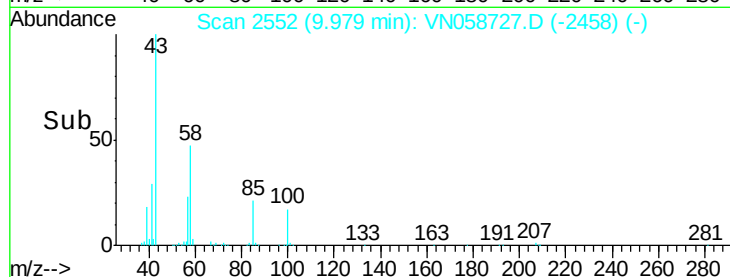
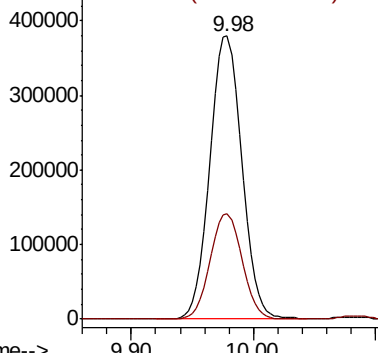
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.191 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058727.D

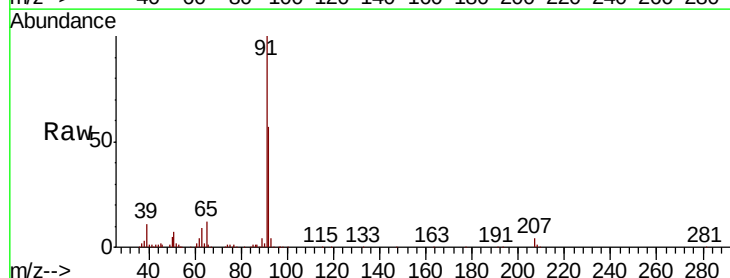
Acq: 12 Oct 2019 1:33

Tgt Ion: 92 Resp: 231829

Ion Ratio Lower Upper

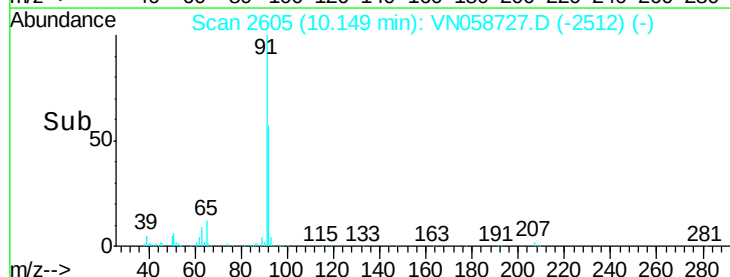
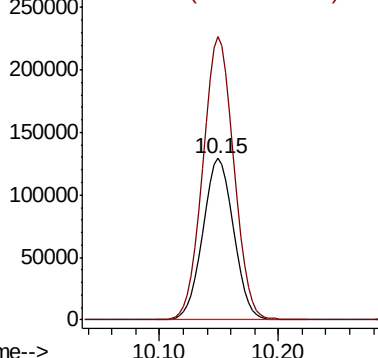
92 100

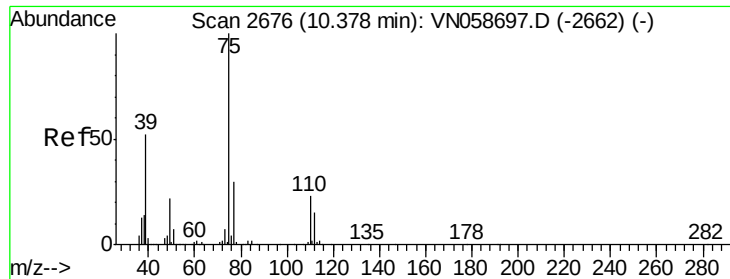
91 176.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





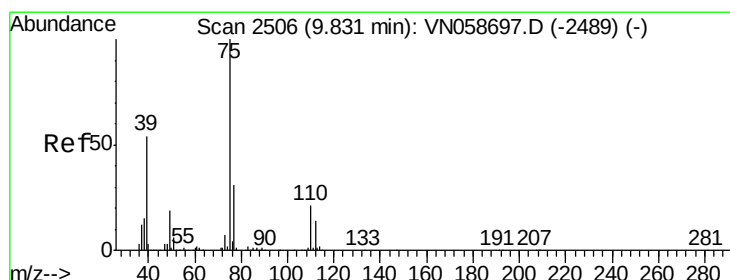
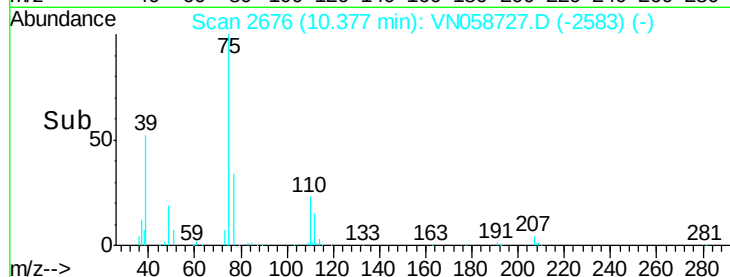
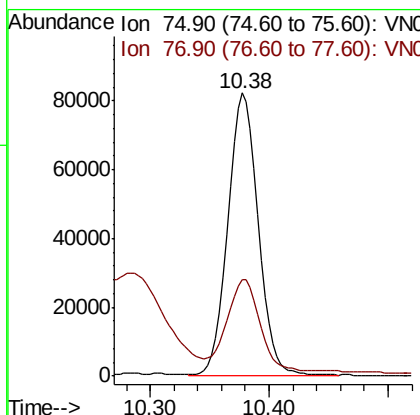
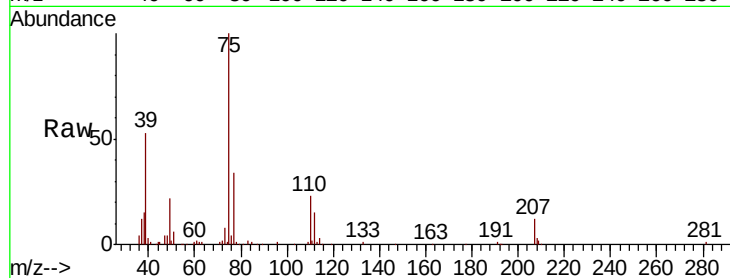
#53
t-1,3-Dichloropropene
Concen: 19.338 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	75	Resp	143909
Ion Ratio	Lower	Upper	
75	100		
77	32.3	26.2	39.4

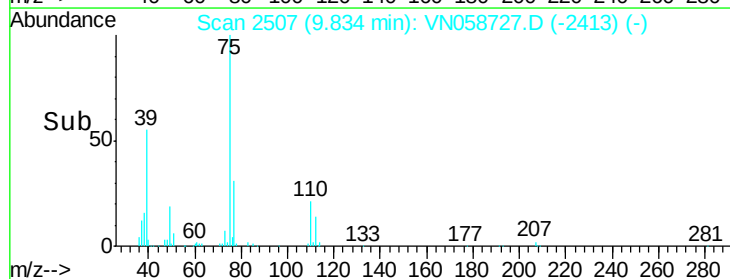
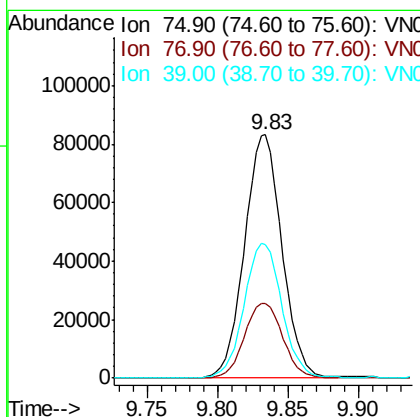
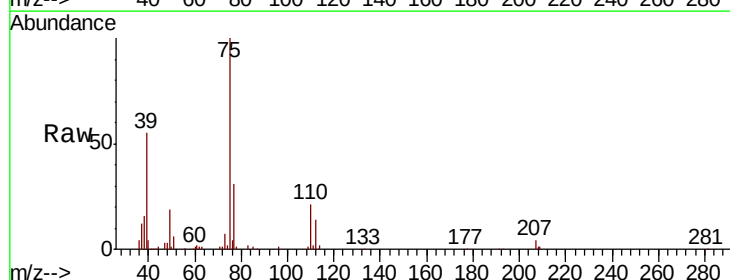
Manual Integrations
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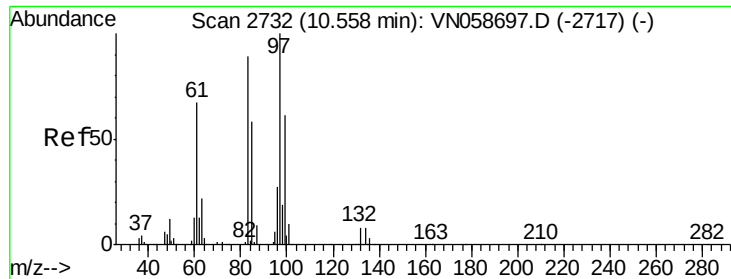
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#54
cis-1,3-Dichloropropene
Concen: 19.561 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	75	Resp	154551
Ion Ratio	Lower	Upper	
75	100		
77	30.8	24.4	36.6
39	54.7	43.1	64.7





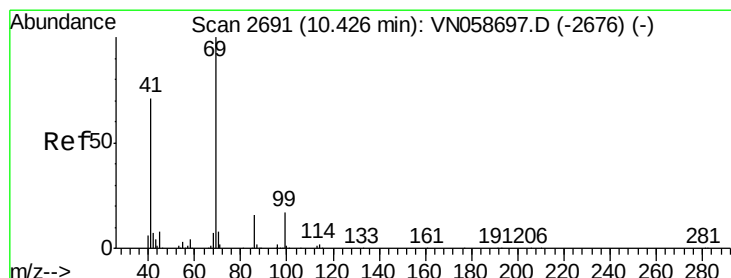
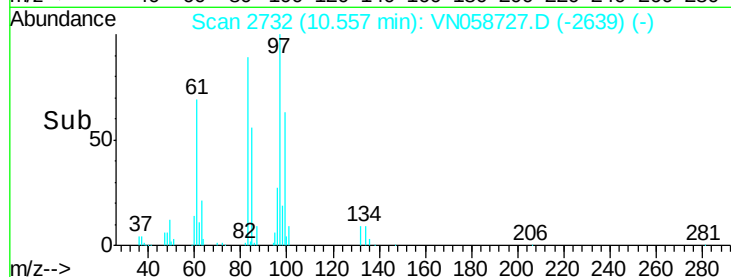
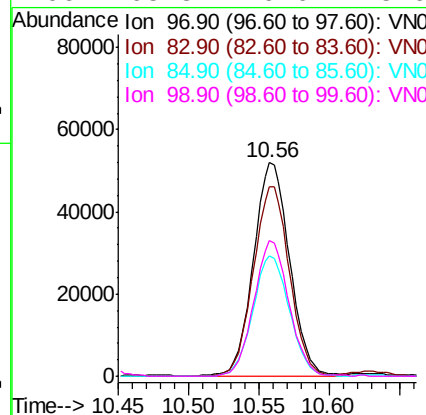
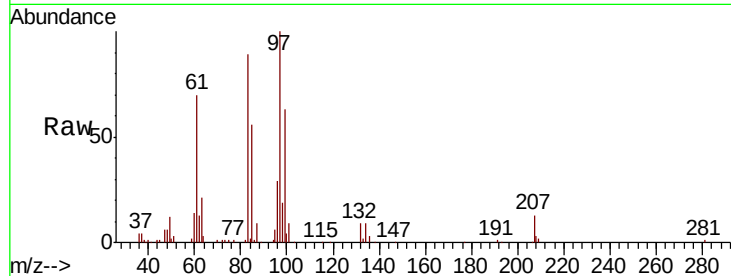
#55
 1,1,2-Trichloroethane
 Concen: 19.900 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion:	97	Resp:	93521
Ion Ratio	Lower	Upper	
97	100		
83	88.9	71.2	106.8
85	56.5	46.7	70.1
99	63.3	49.0	73.6

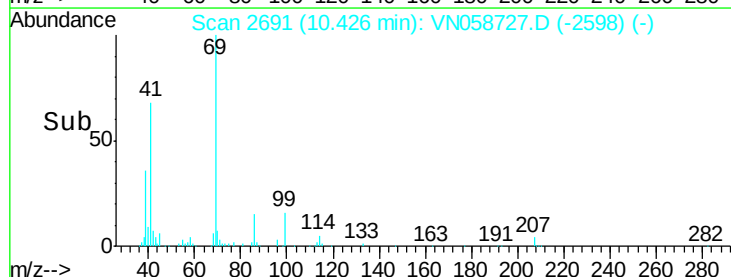
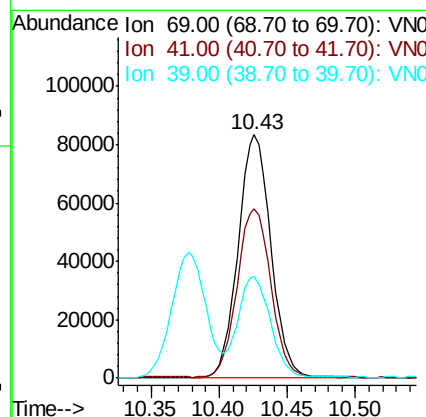
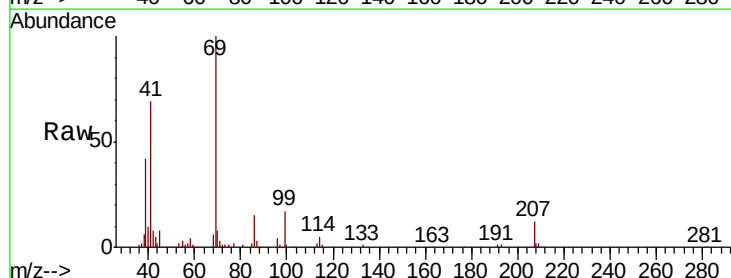
Manual Integrations
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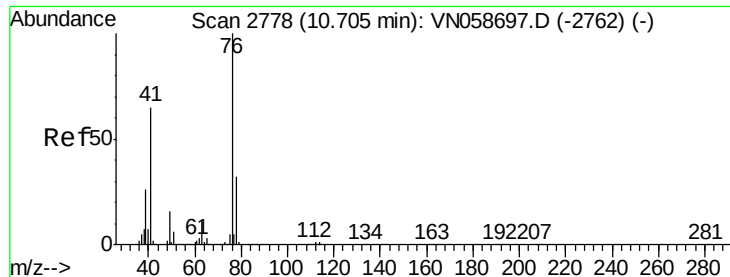
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#56
 Ethyl methacrylate
 Concen: 20.311 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion:	69	Resp:	139446
Ion Ratio	Lower	Upper	
69	100		
41	71.0	56.8	85.2
39	40.8	32.5	48.7





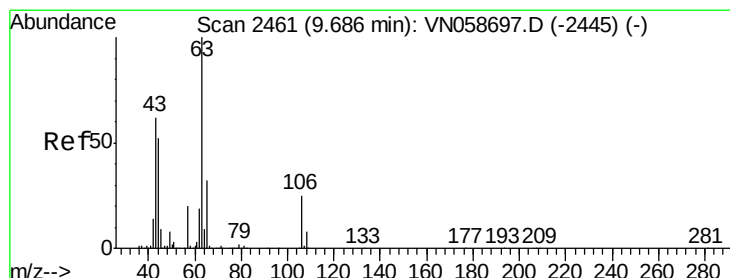
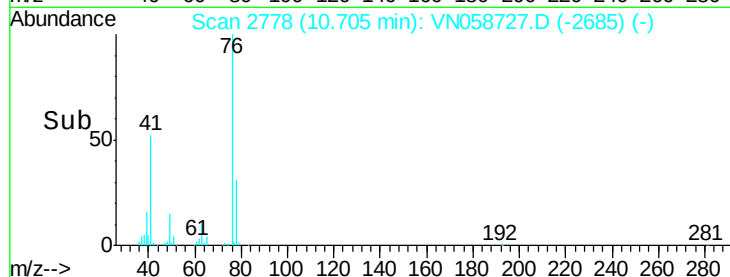
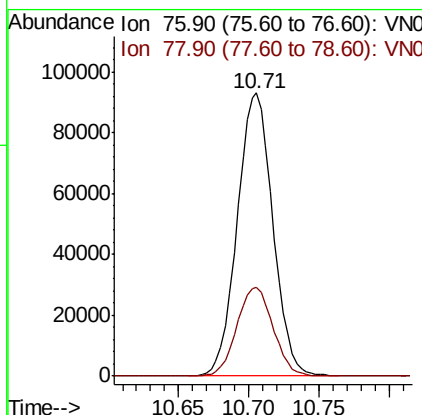
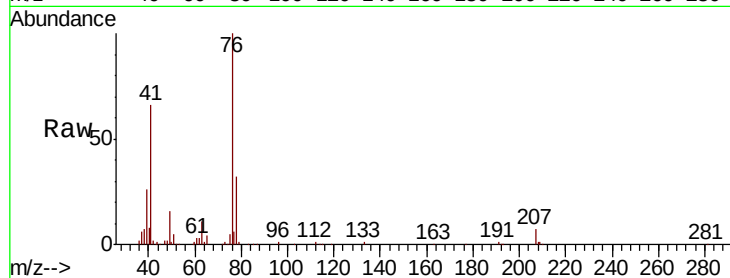
#57
 1,3-Dichloropropane
 Concen: 20.540 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.9	38.9

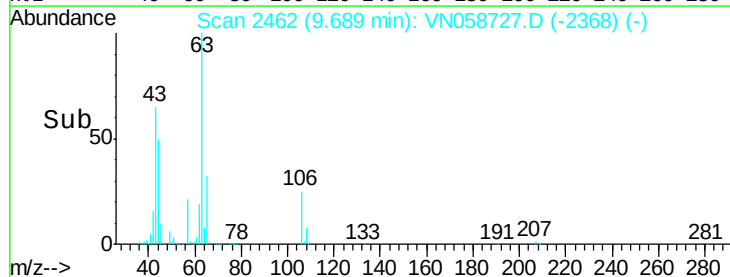
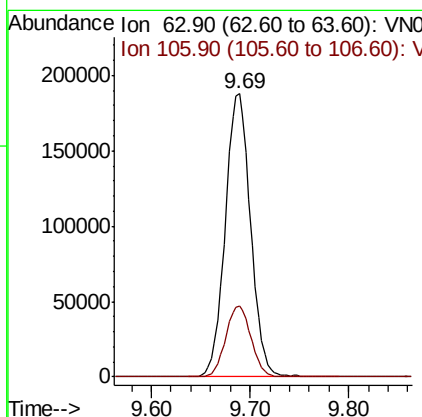
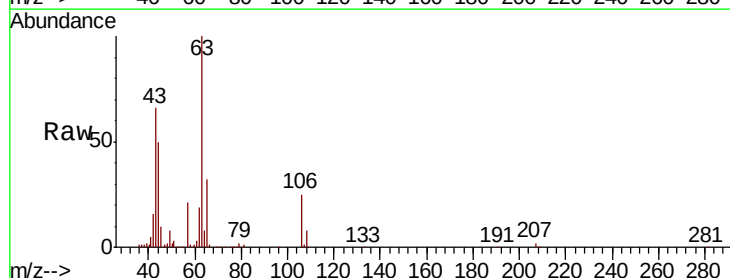
Manual Integrations
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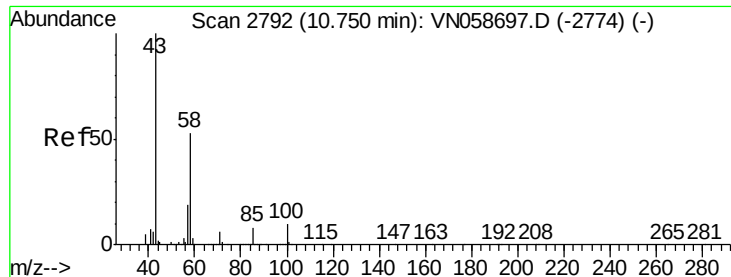
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.518 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	20.0	30.0





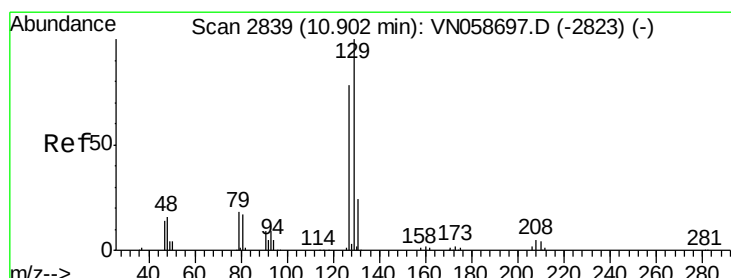
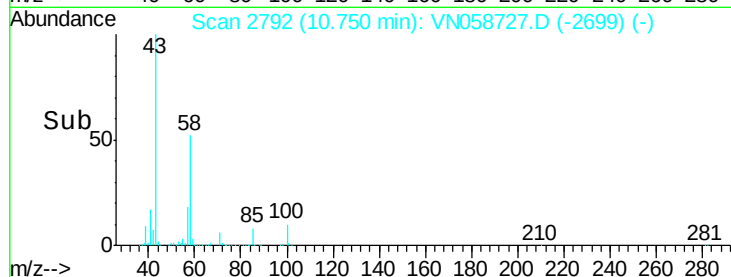
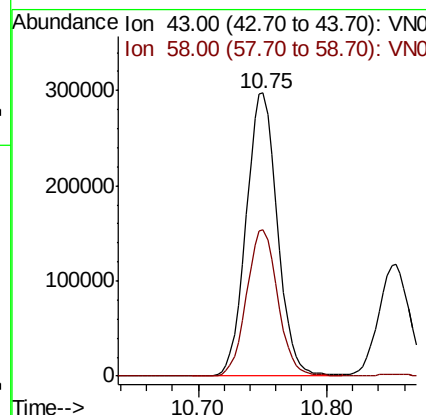
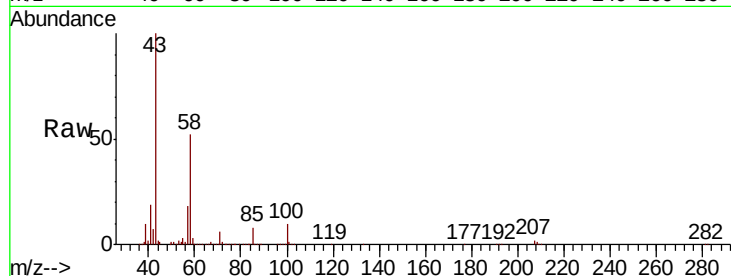
#59
2-Hexanone
Concen: 102.536 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.8	26.1	78.3

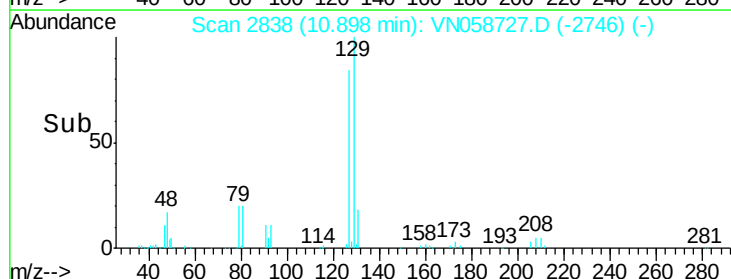
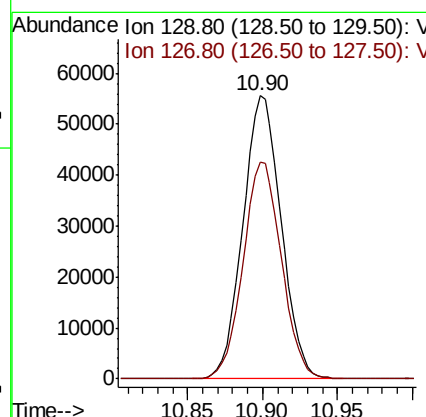
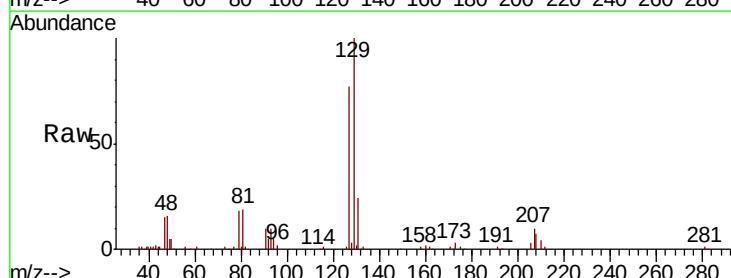
Manual Integrations
APPROVED

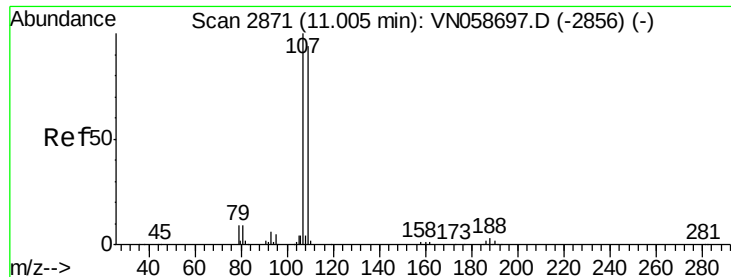
MMDadoda
10/16/2019 12:48:58 AM



#60
Dibromochloromethane
Concen: 20.418 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.5	115.3





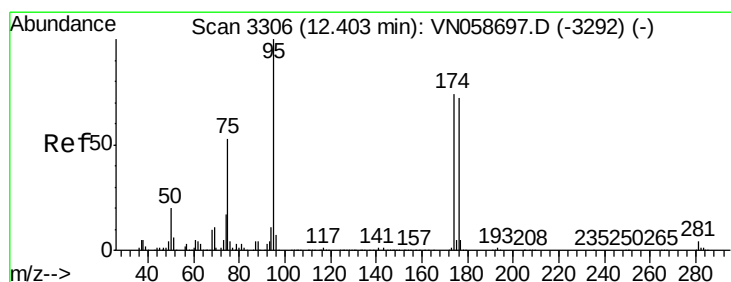
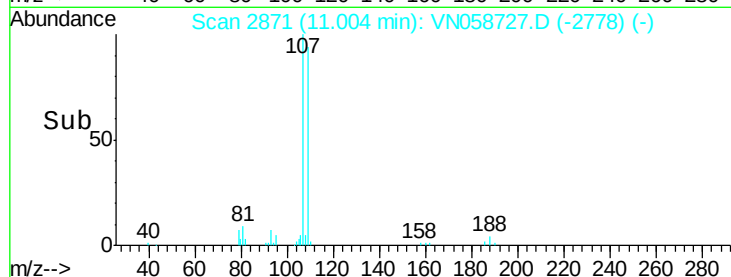
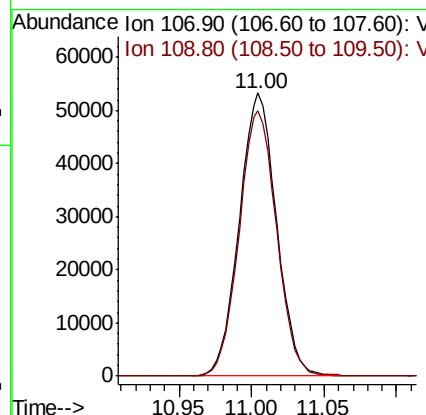
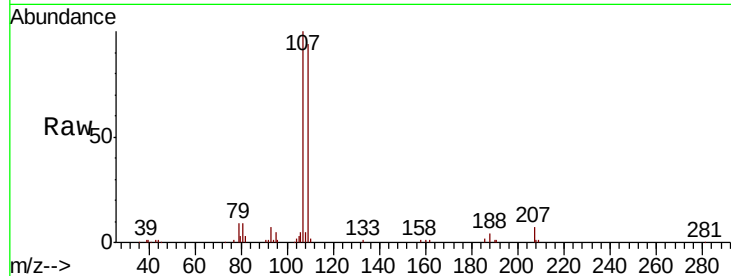
#61
1,2-Dibromoethane
Concen: 20.174 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.4	113.0

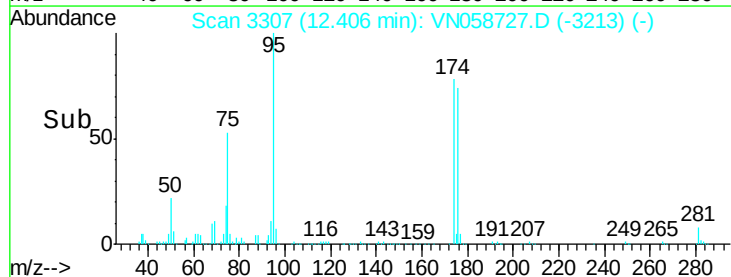
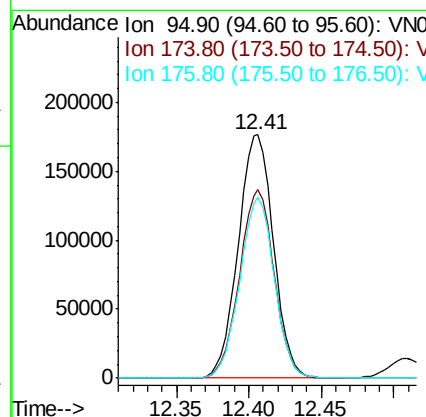
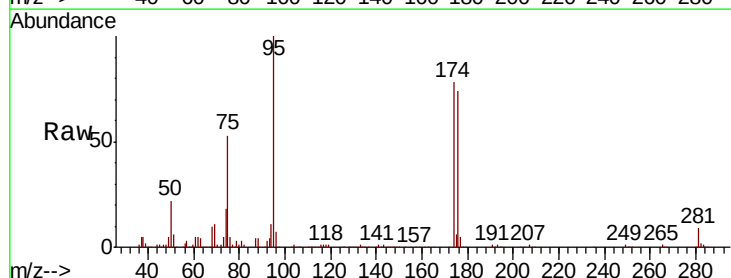
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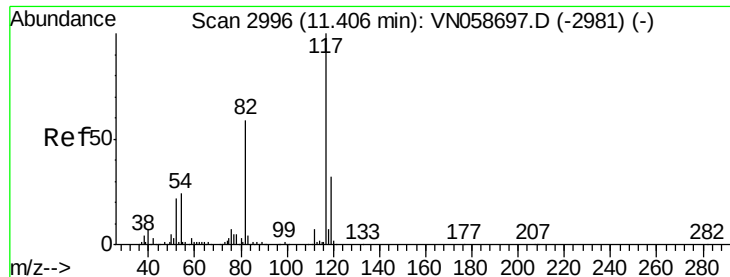
MMDadoda
10/16/2019 12:48:58 AM



#62
4-Bromofluorobenzene
Concen: 49.275 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.4	0.0	150.4
176	73.0	0.0	146.8





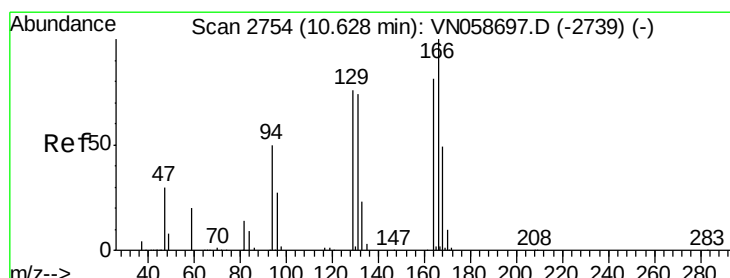
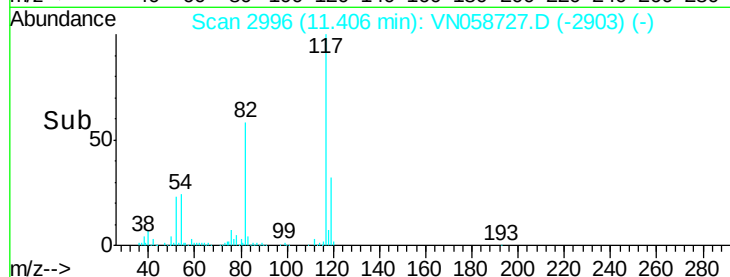
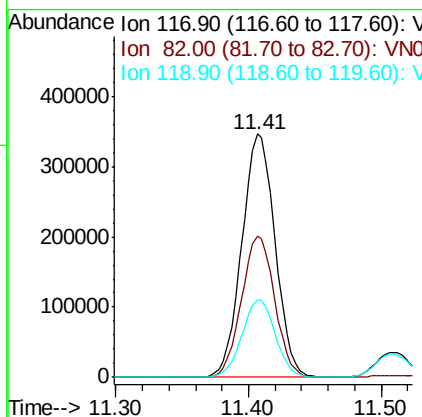
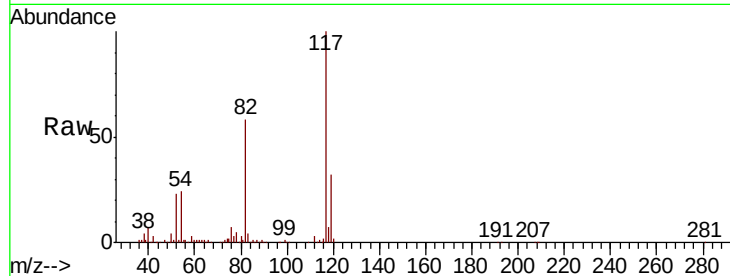
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	602160		
82	58.2	47.0	70.4	
119	32.0	25.4	38.2	

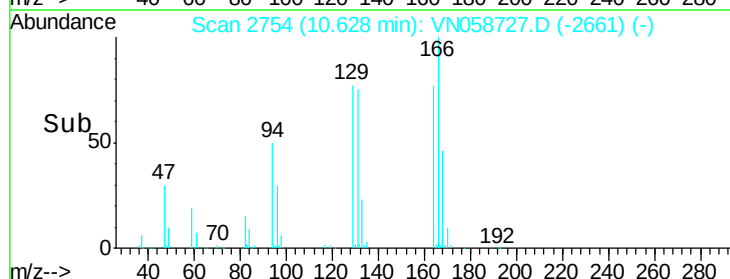
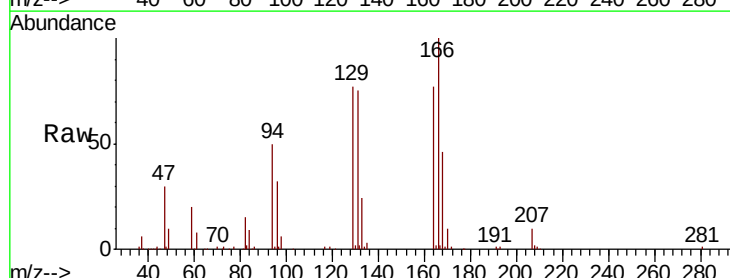
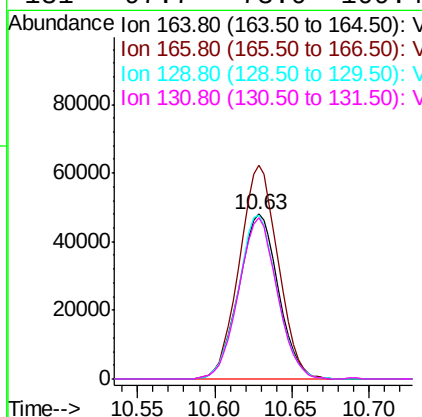
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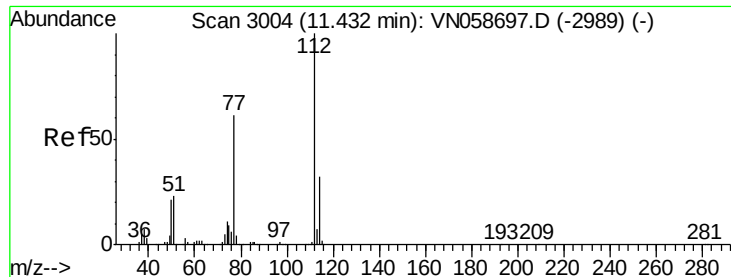
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#64
Tetrachloroethene
Concen: 20.371 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	85847		
166	129.8	99.3	148.9	
129	99.4	75.2	112.8	
131	97.7	73.0	109.4	





#65

Chlorobenzene

Concen: 20.009 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion:112 Resp: 244680

Ion Ratio Lower Upper

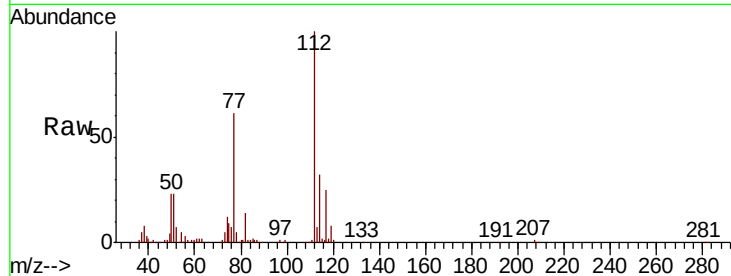
112 100

114 31.7 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

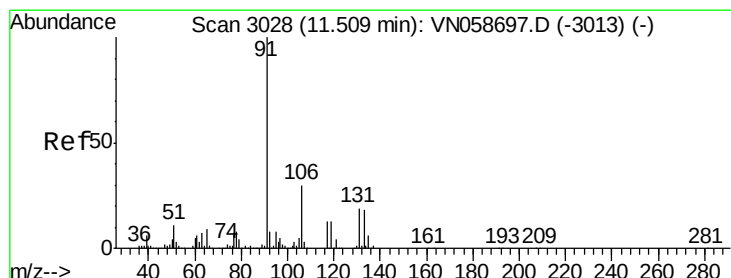
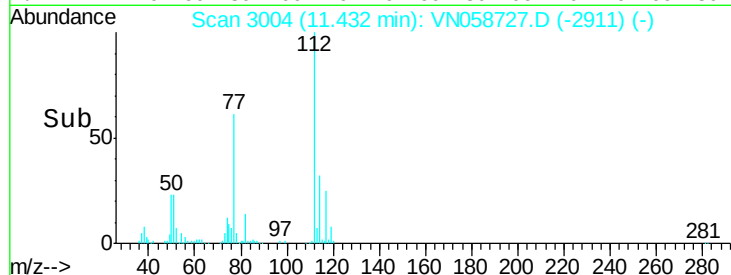
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 20.081 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

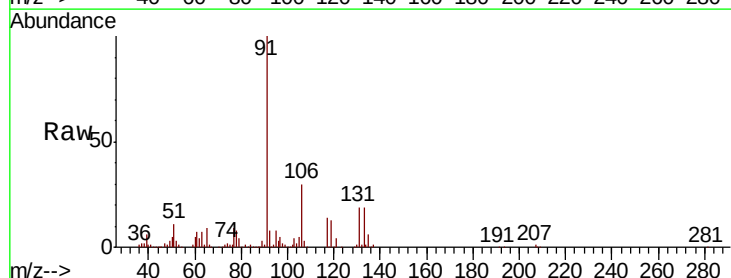
Tgt Ion:131 Resp: 90803

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

119 67.4 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

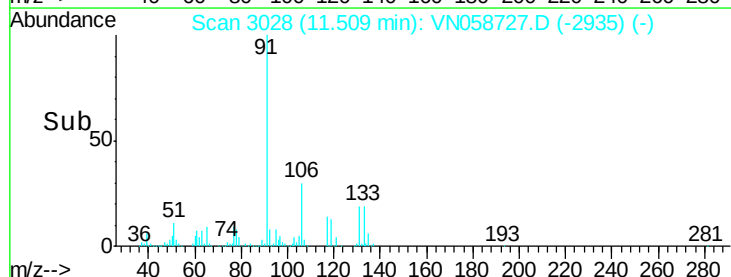
60000

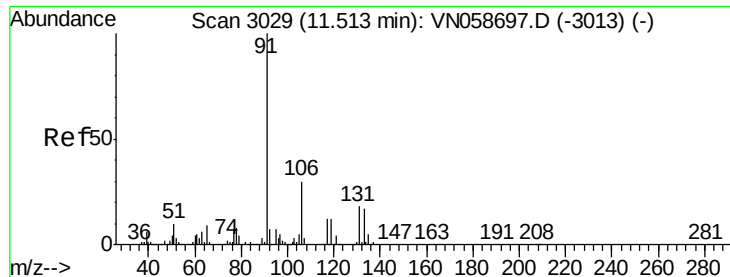
40000

20000

0

Time-->





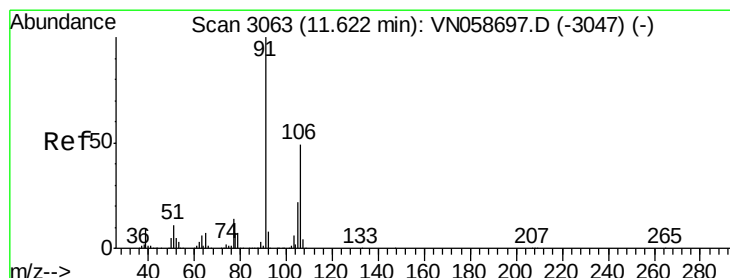
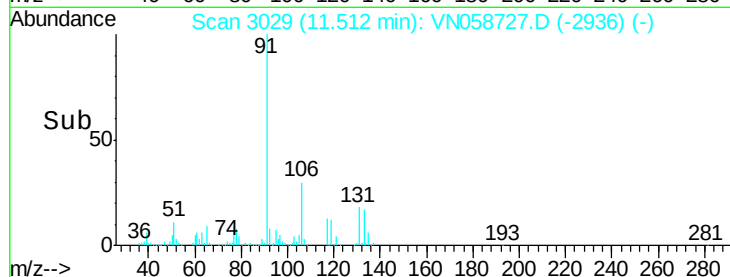
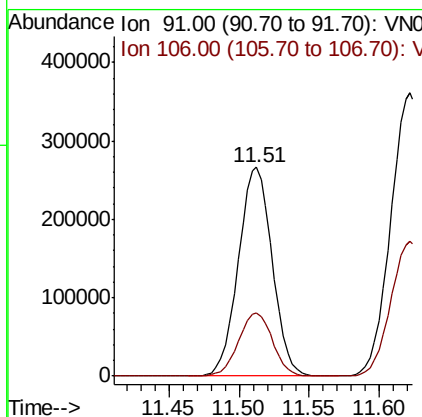
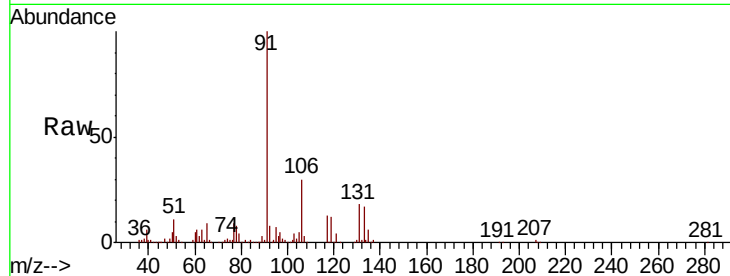
#67
Ethyl Benzene
Concen: 20.560 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion: 91 Resp: 448174
Ion Ratio Lower Upper
91 100
106 30.1 24.1 36.1

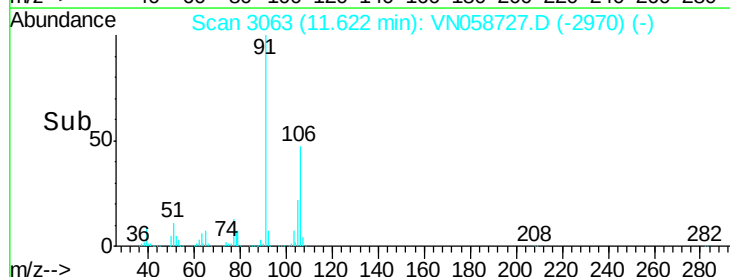
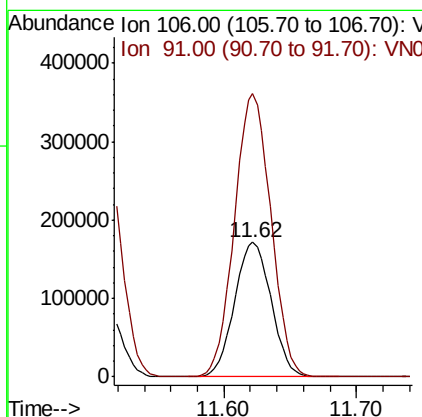
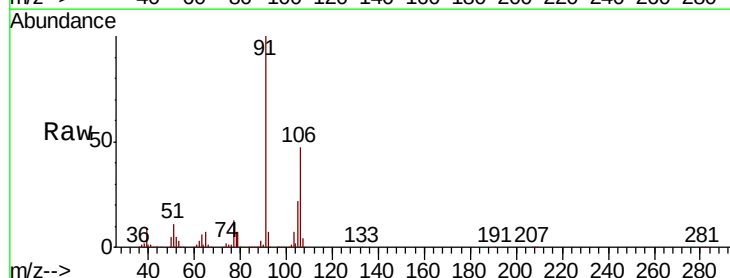
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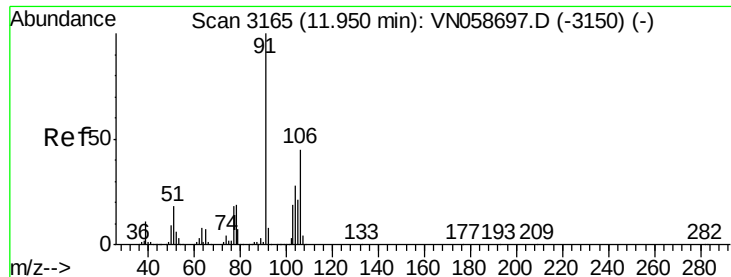
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#68
m/p-Xylenes
Concen: 40.239 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion: 106 Resp: 329171
Ion Ratio Lower Upper
106 100
91 209.1 165.7 248.5





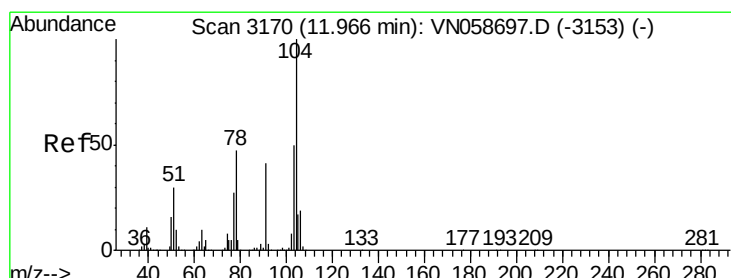
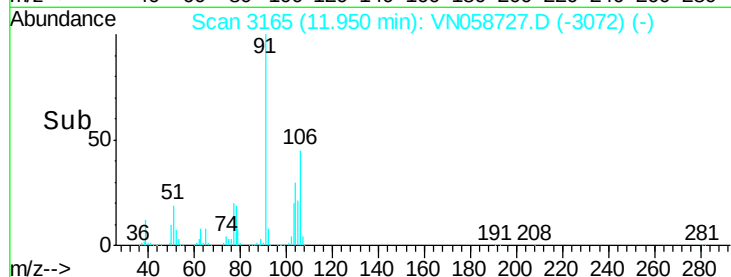
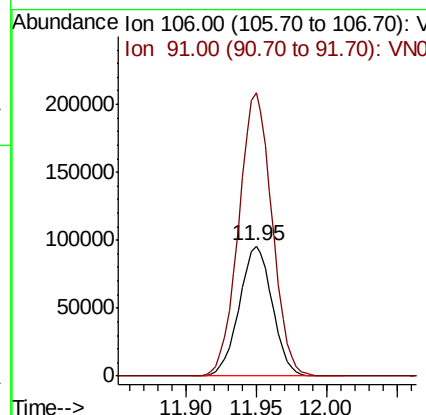
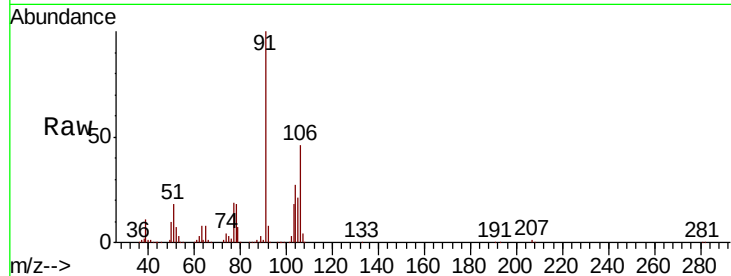
#69
o-Xylene
Concen: 19.937 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	157798		
91	91	219.0	110.9	332.9	

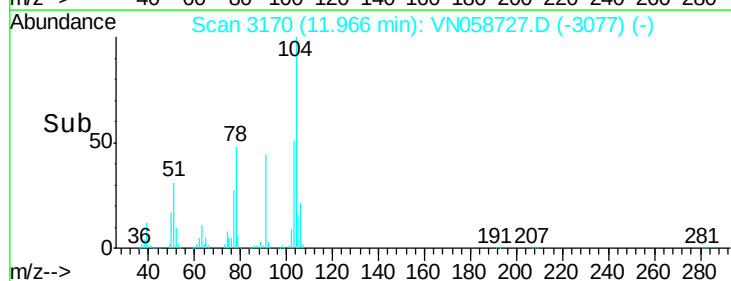
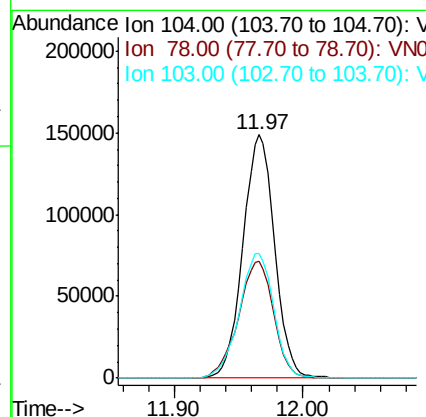
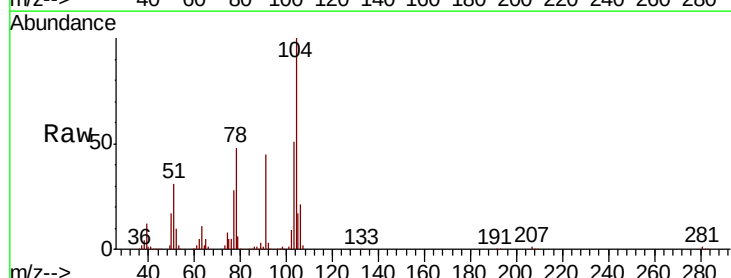
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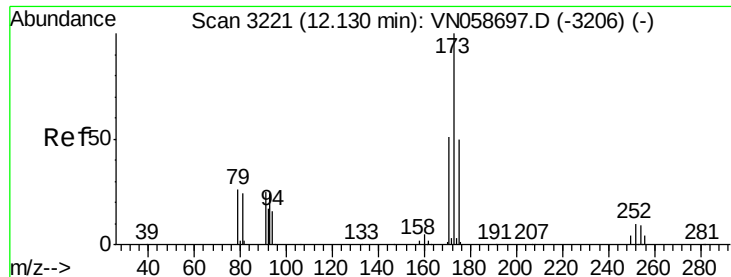
MMDadoda
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#70
Styrene
Concen: 19.646 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	254854		
78	78	53.3	42.2	63.2	
103	103	55.6	43.7	65.5	





#71

Bromoform

Concen: 19.989 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

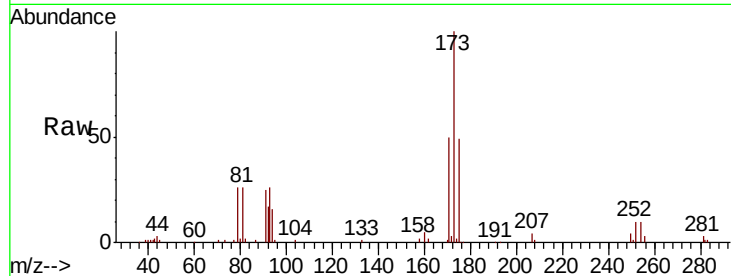
ClientSampleId :

VN1013WBS02

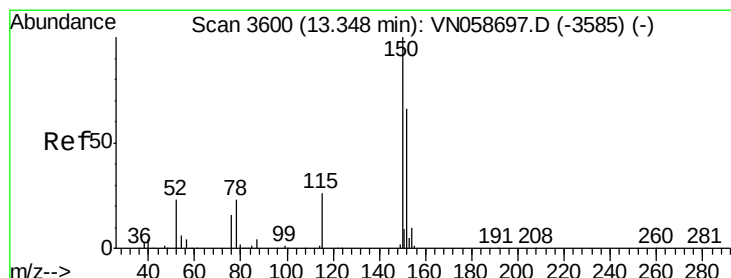
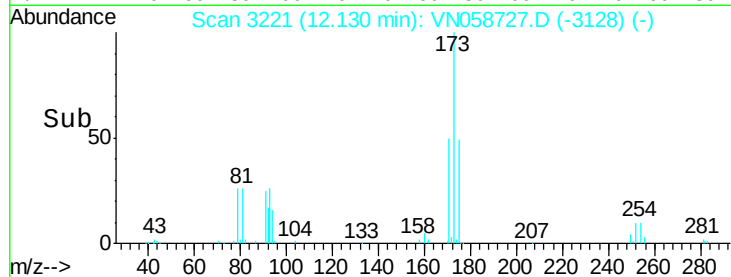
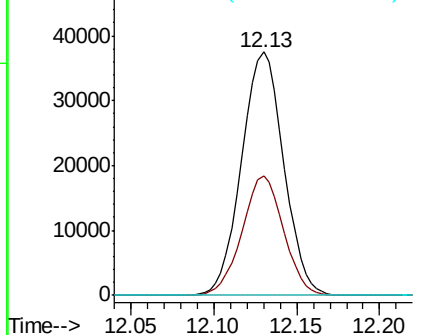
Tot Ion:	173	Resp:	66251
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.6	73.8
254	0.0	0.1	0.1#

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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

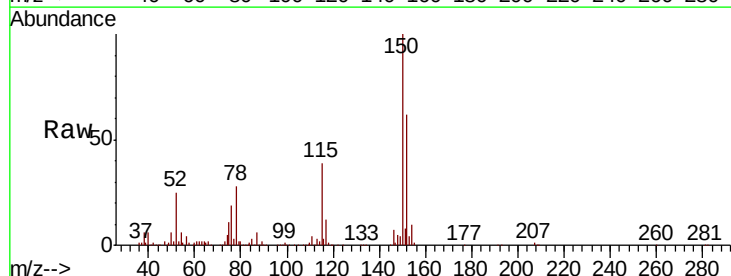
RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

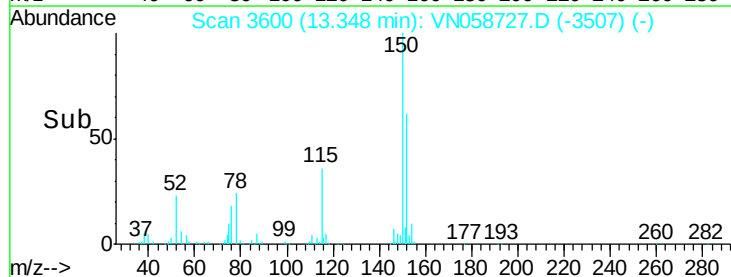
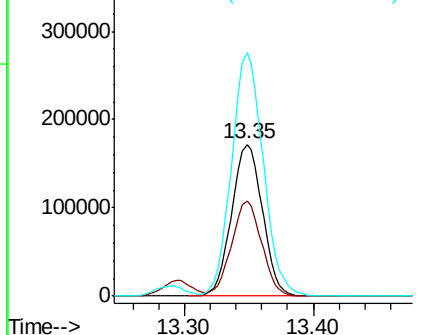
Lab File: VN058727.D

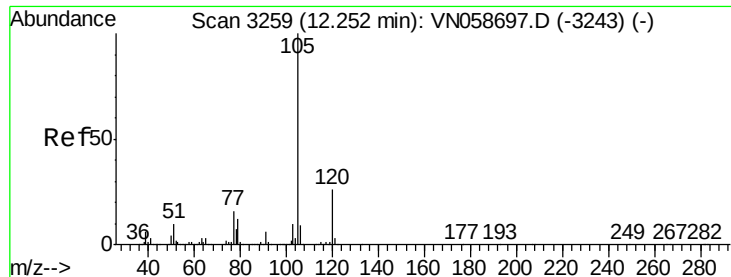
Acq: 12 Oct 2019 1:33

Tgt Ion:	152	Resp:	285677
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.4	91.2
150	164.3	0.0	345.4



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: 21.090 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 105 Resp: 436345

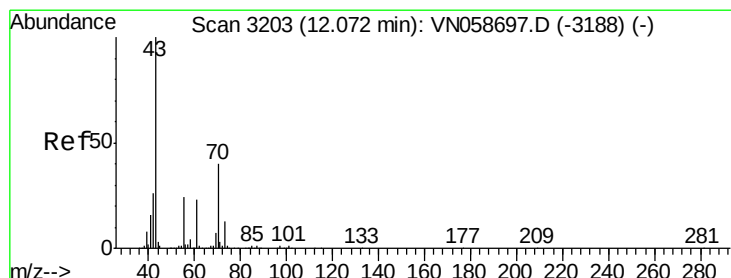
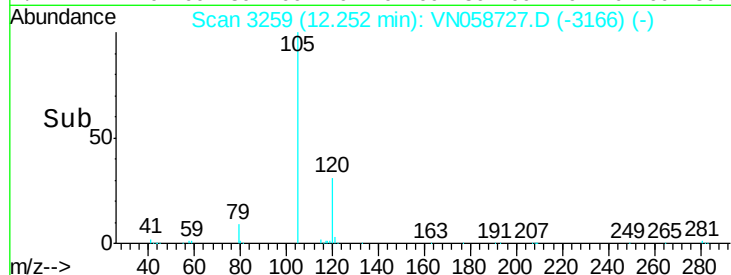
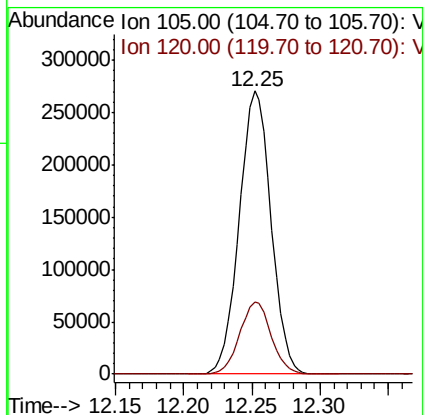
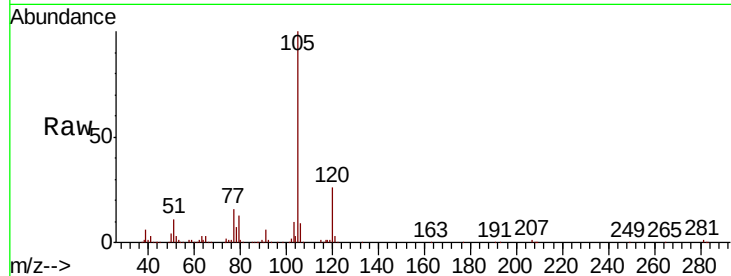
Ion Ratio Lower Upper

105 100

120 25.3 13.1 39.1

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#74

N-ethyl acetate

Concen: 20.143 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion: 43 Resp: 187172

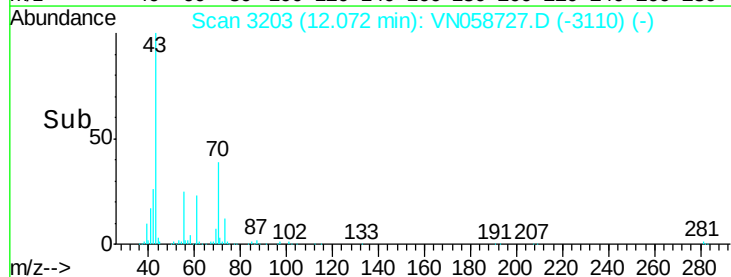
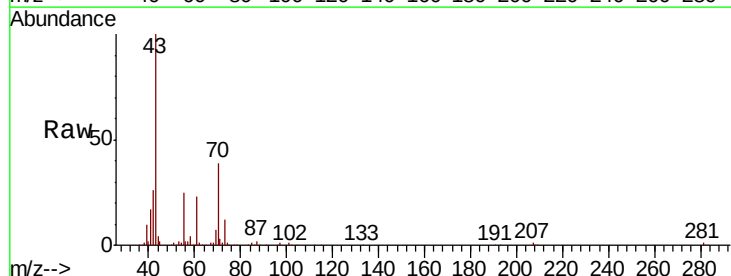
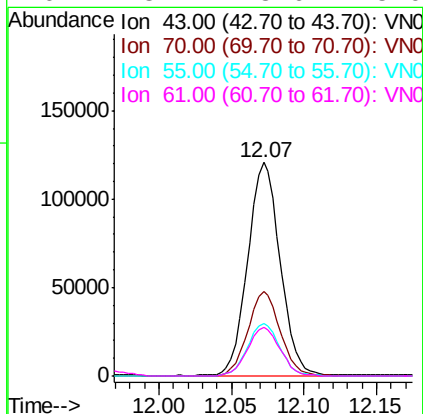
Ion Ratio Lower Upper

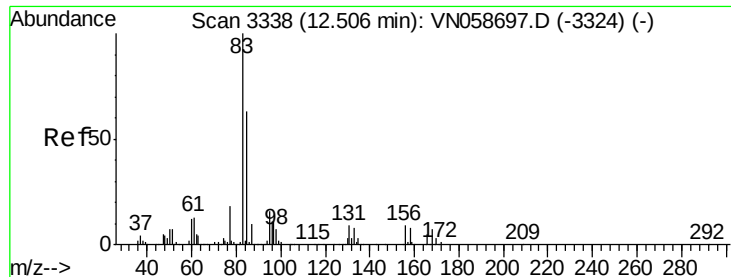
43 100

70 39.8 32.2 48.4

55 25.0 19.6 29.4

61 23.1 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.651 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

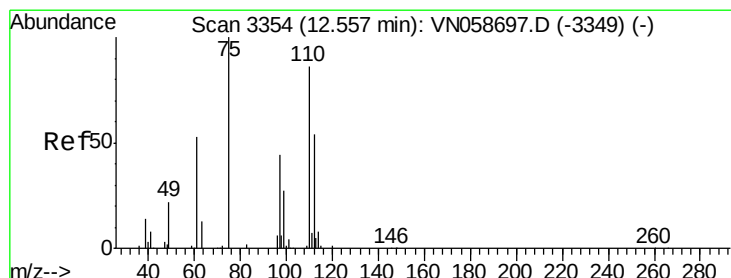
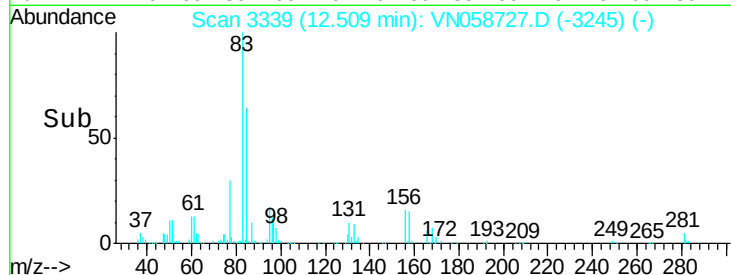
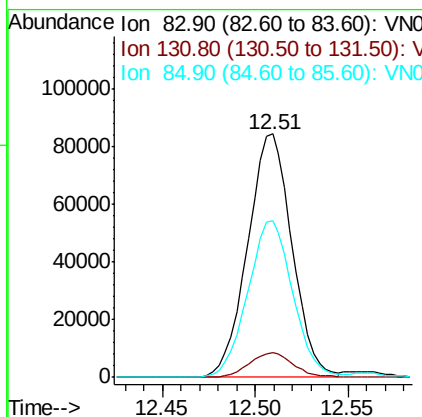
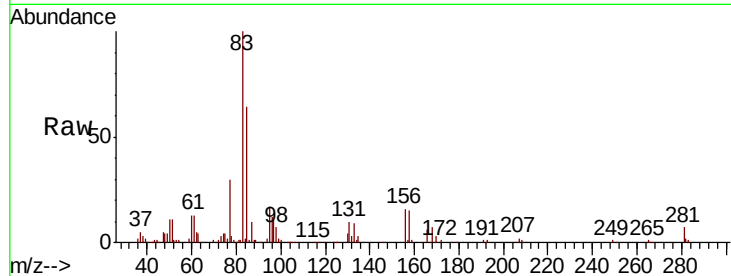
ClientSampleId :

VN1013WBS02

Tot Ion:	83	Resp:	140752
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.8	14.4
85	65.3	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.209 ug/l m

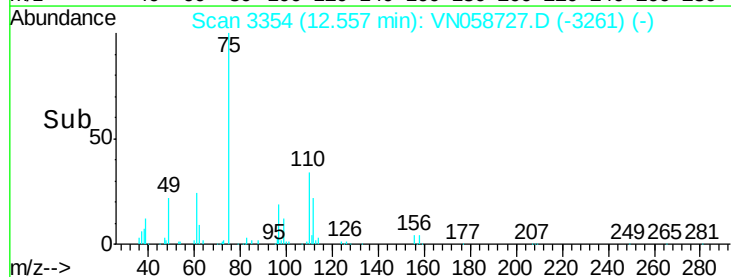
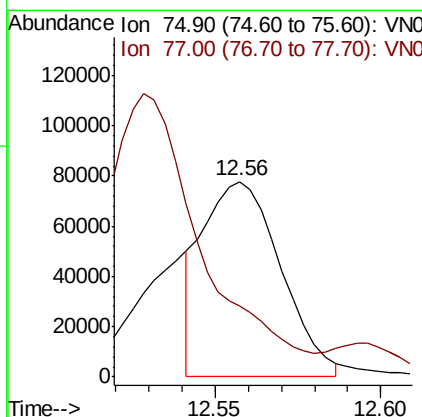
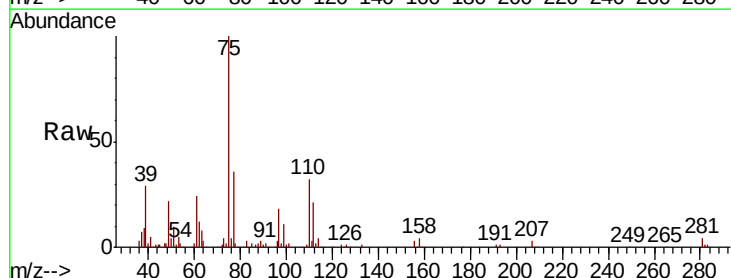
RT: 12.56 min Scan# 3354

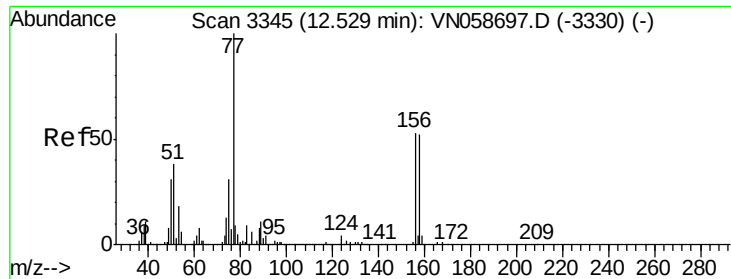
Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion:	75	Resp:	126650
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.641 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion:156 Resp: 103873

Ion Ratio Lower Upper

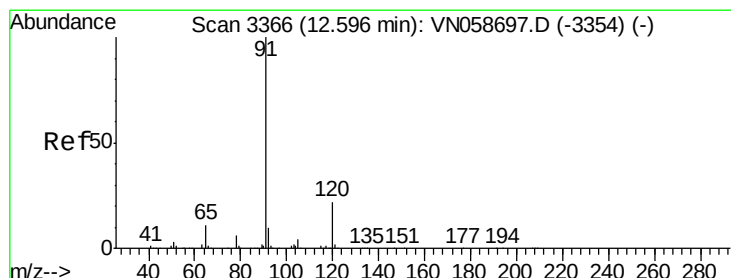
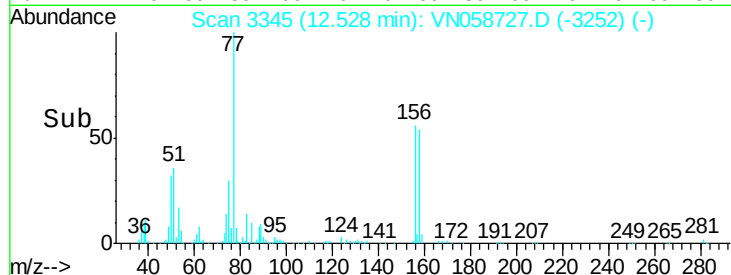
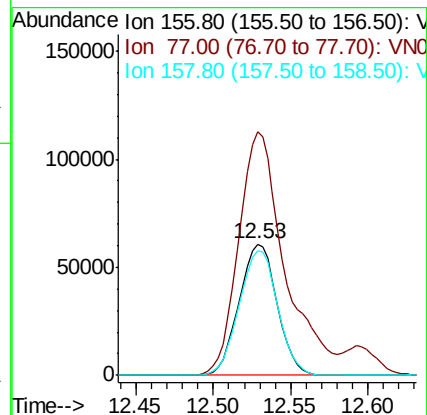
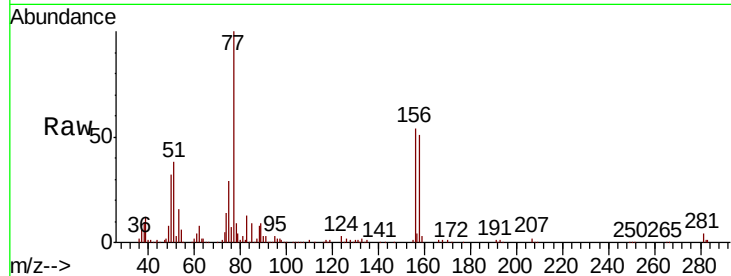
156 100

77 224.9 115.8 347.3

158 96.8 48.9 146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.018 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058727.D

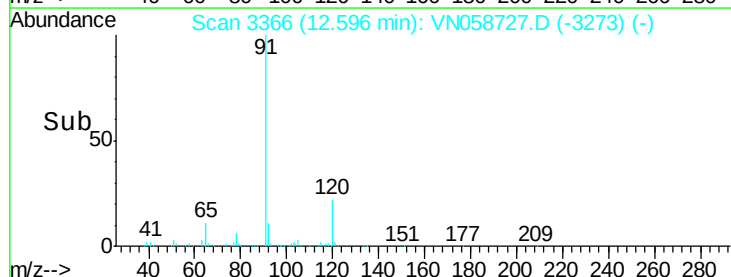
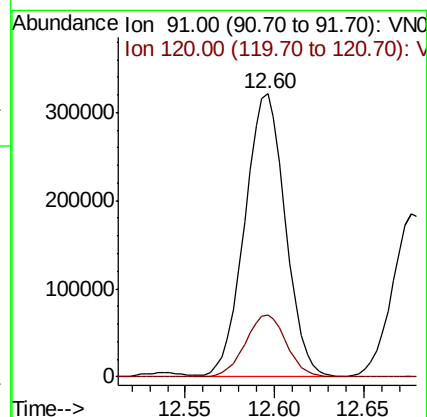
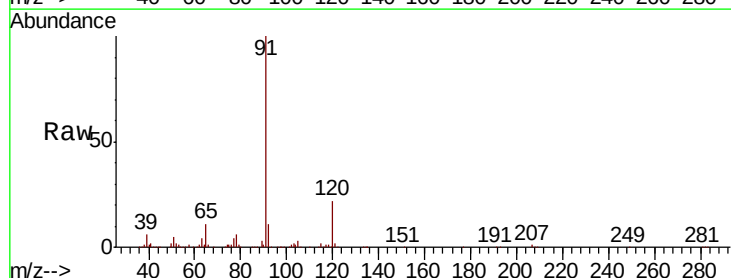
Acq: 12 Oct 2019 1:33

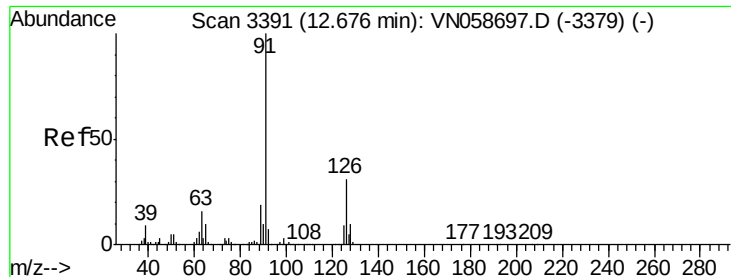
Tgt Ion: 91 Resp: 506720

Ion Ratio Lower Upper

91 100

120 22.2 11.1 33.3





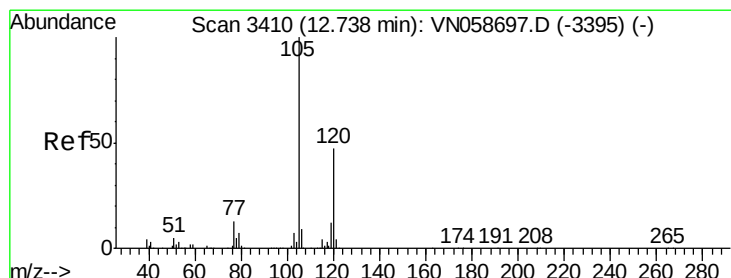
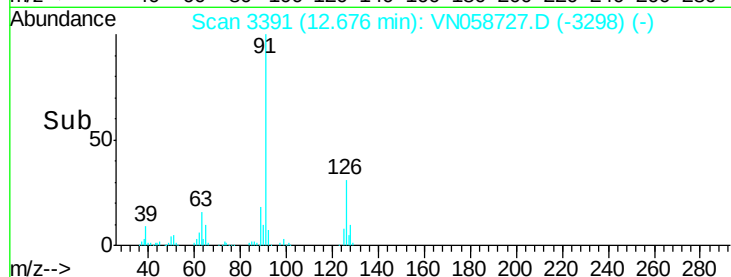
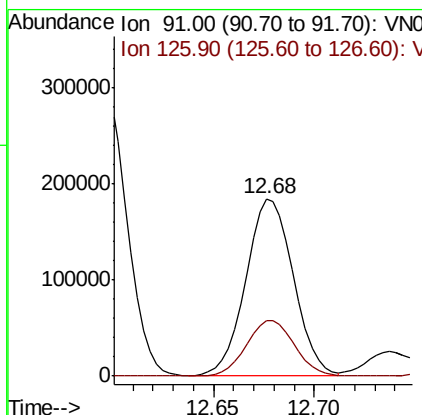
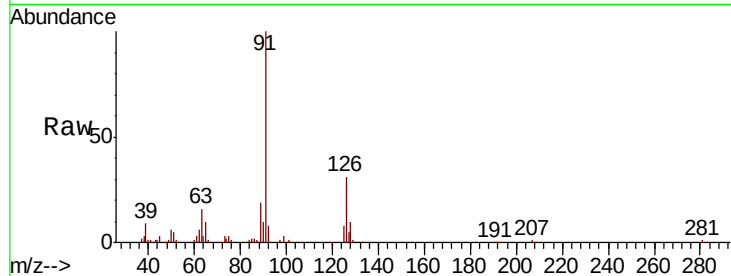
#79
 2-Chlorotoluene
 Concen: 20.273 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.2	48.5

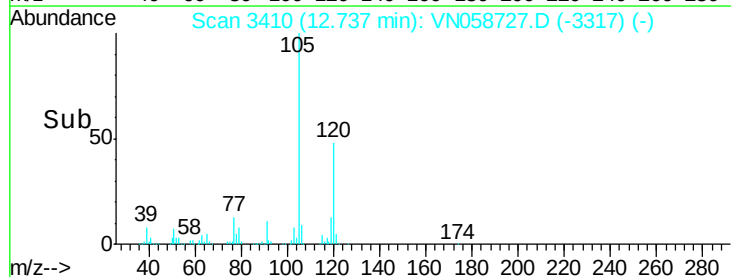
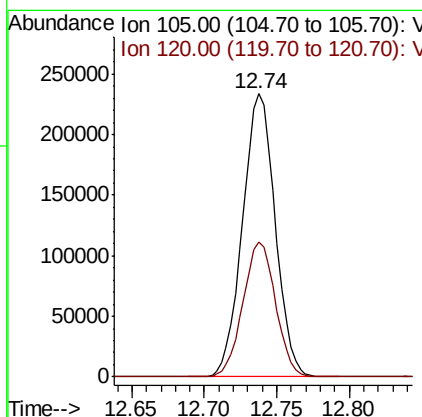
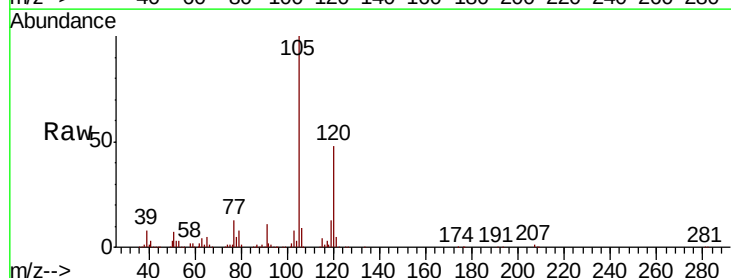
Manual Integrations
 APPROVED

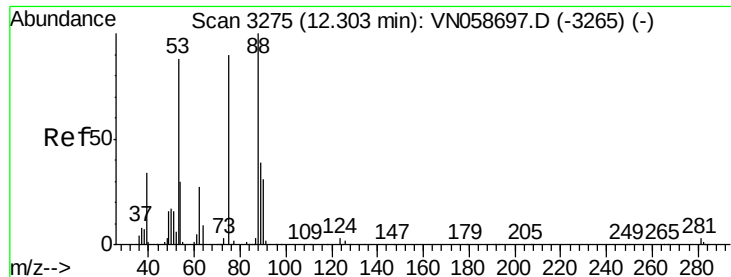
MMDadoda
 10/16/2019 12:48:58 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 20.695 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.9	23.4	70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.560 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

ClientSampleId :

VN1013WBS02

Tot Ion: 75 Resp: 41083

Ion Ratio Lower Upper

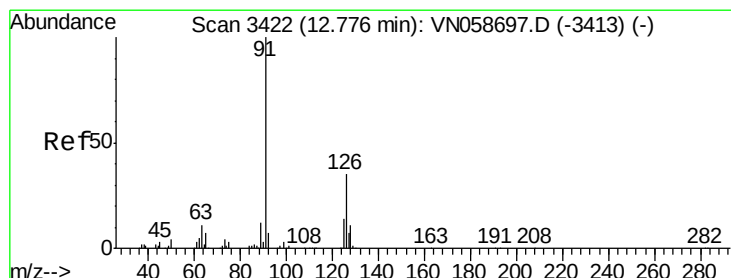
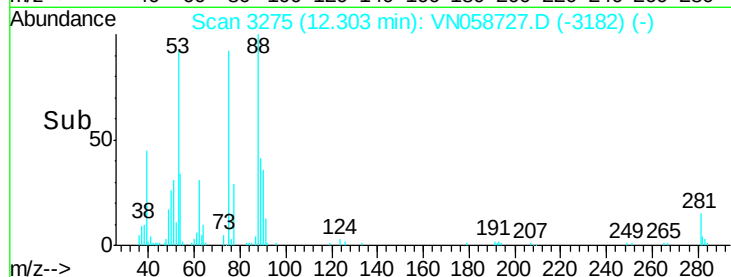
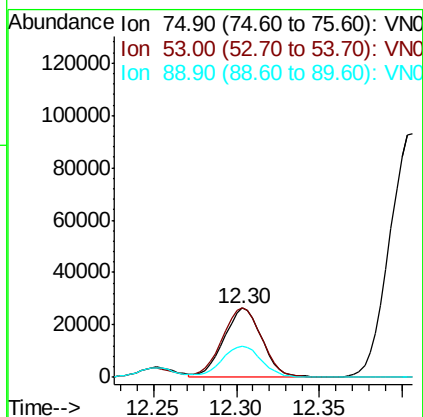
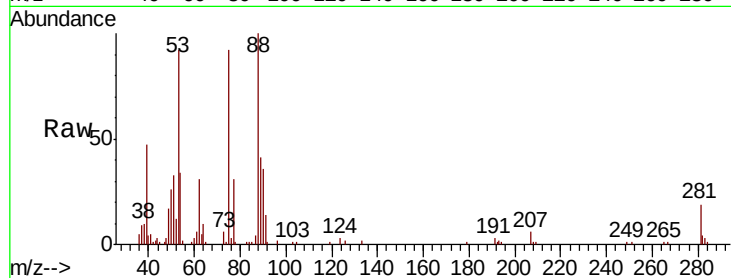
75 100

53 107.5 78.4 117.6

89 47.8 34.9 52.3

Manual Integrations
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MMDadoda
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#82

4-Chlorotoluene

Concen: 19.863 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058727.D

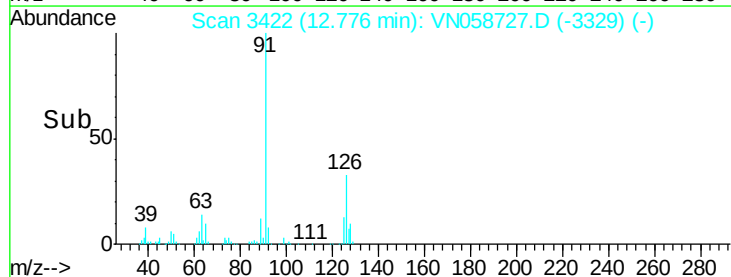
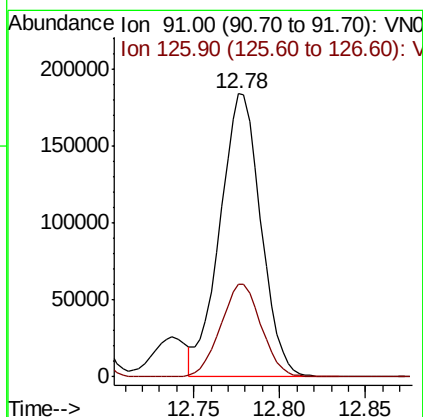
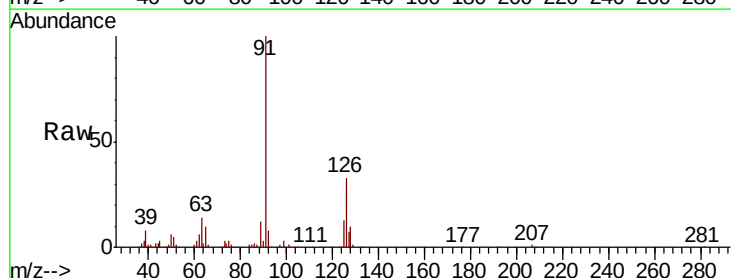
Acq: 12 Oct 2019 1:33

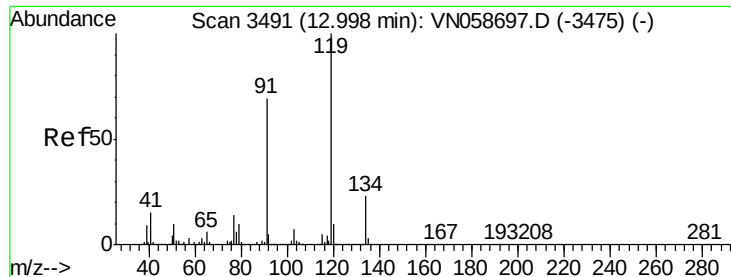
Tgt Ion: 91 Resp: 304991

Ion Ratio Lower Upper

91 100

126 32.8 15.9 47.6





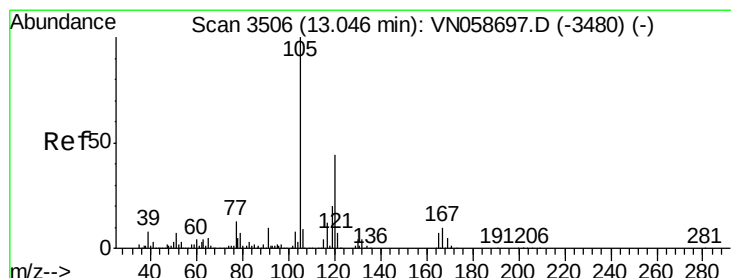
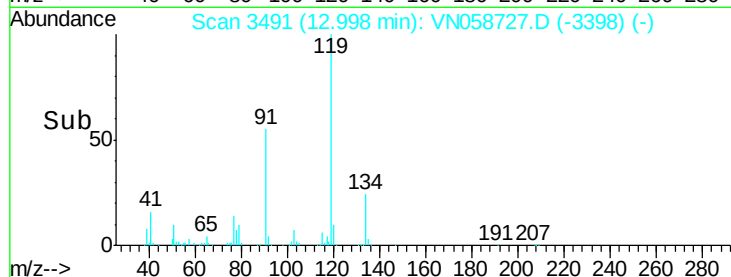
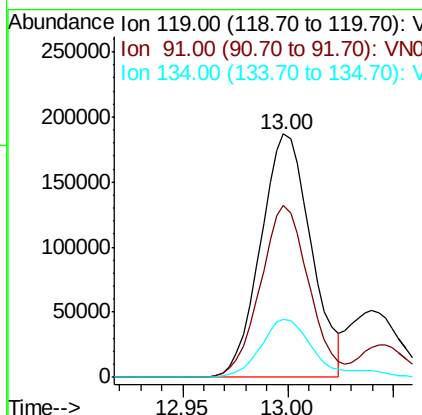
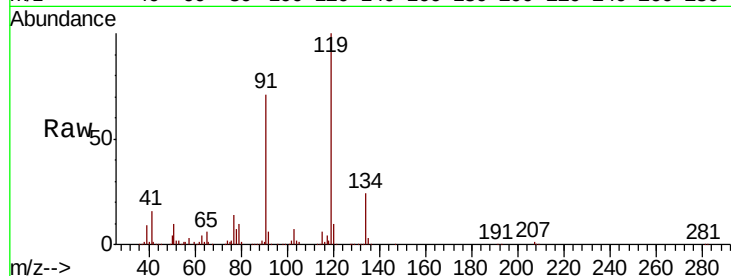
#83
 tert-Butylbenzene
 Concen: 20.588 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.8	101.3
134	23.9	12.6	37.6

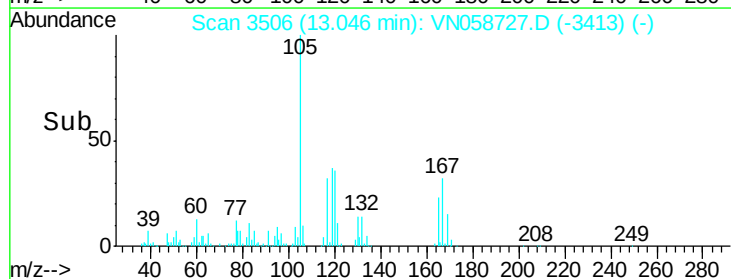
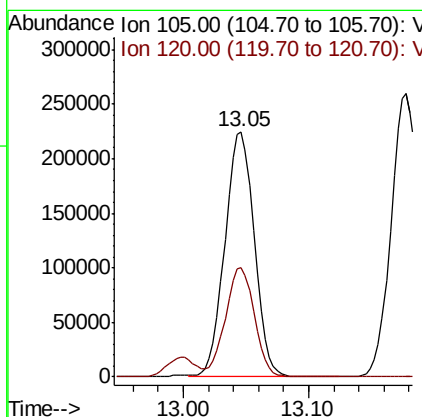
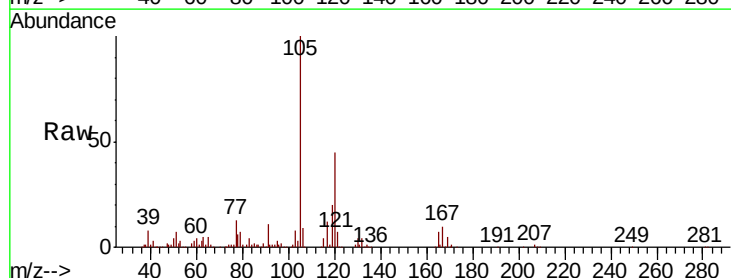
Manual Integrations
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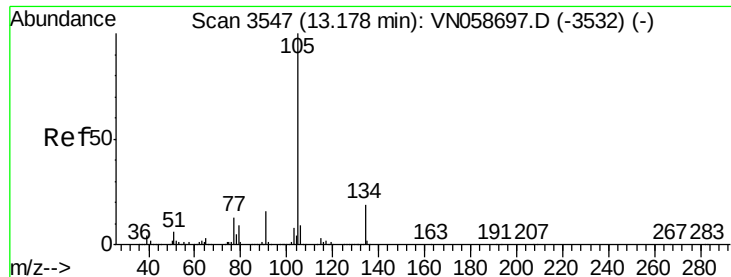
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.771 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.7





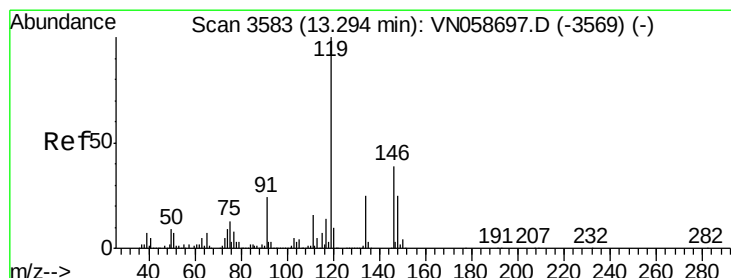
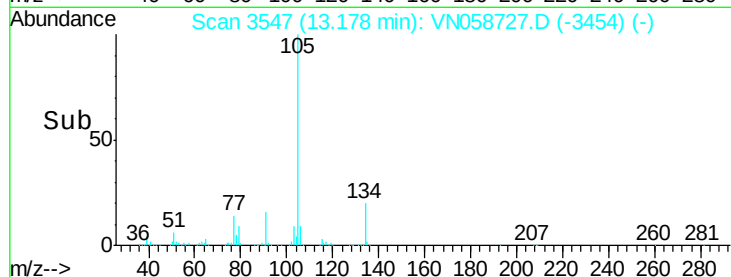
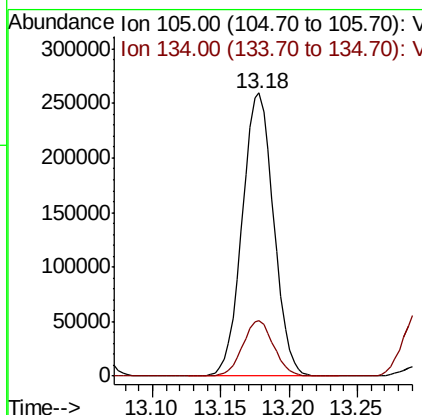
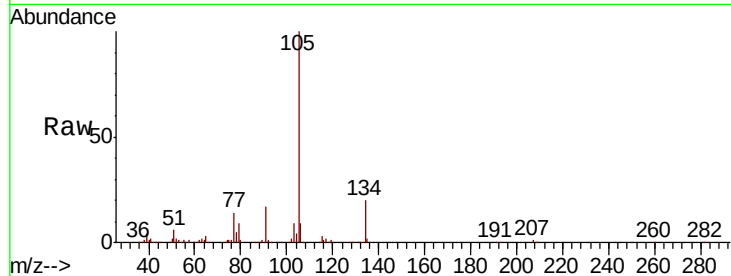
#85
 sec-Butylbenzene
 Concen: 20.810 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.7	29.1

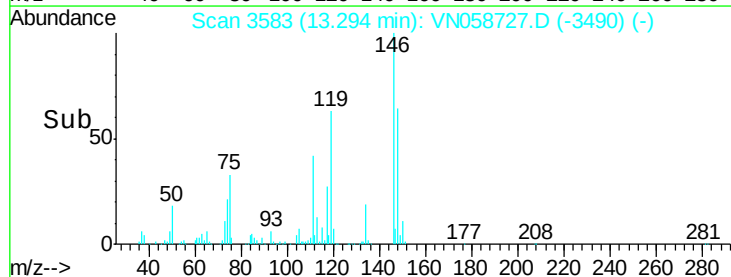
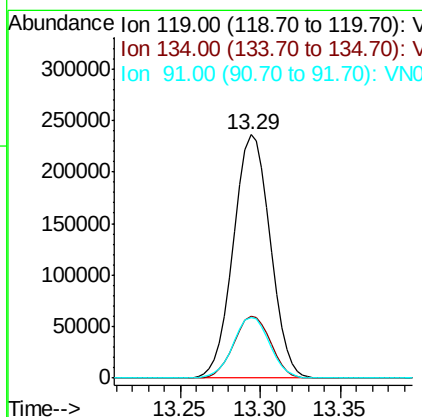
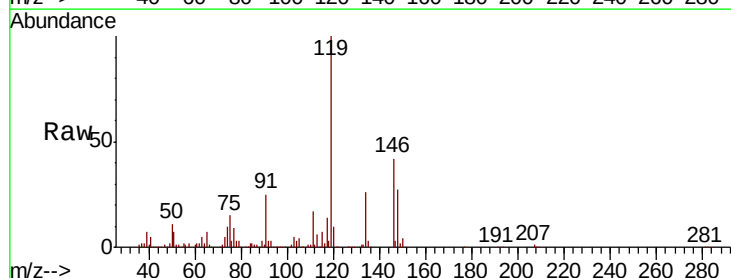
Manual Integrations
 APPROVED

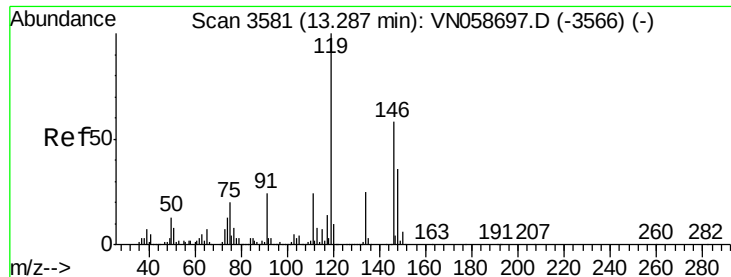
MMDadoda
 10/16/2019 12:48:58 AM



#86
 p-Isopropyltoluene
 Concen: 20.347 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.7	38.1
91	25.1	11.9	35.5





#87

1,3-Dichlorobenzene

Concen: 20.029 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058727.D

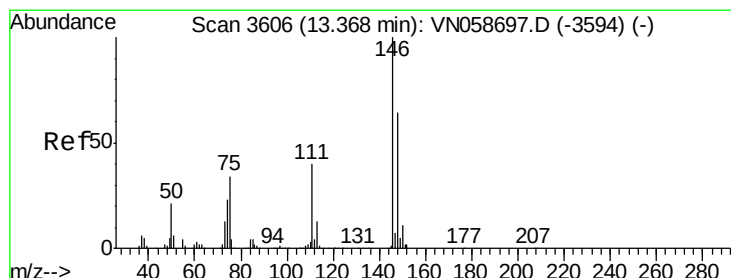
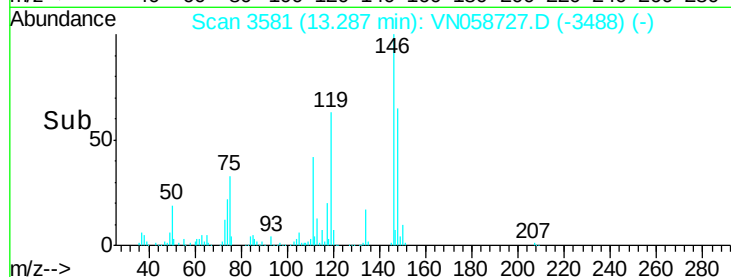
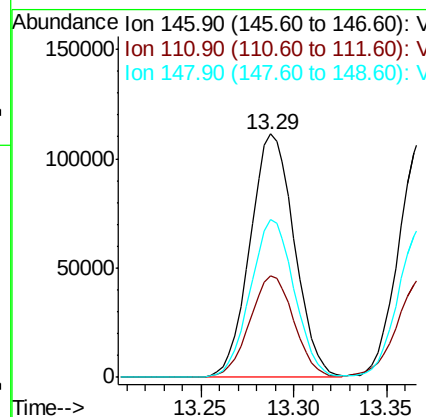
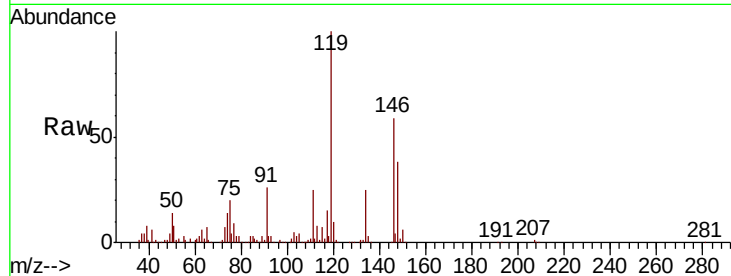
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	185882		
111	41.5	20.5	61.6	
148	64.2	31.3	93.9	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.482 ug/l

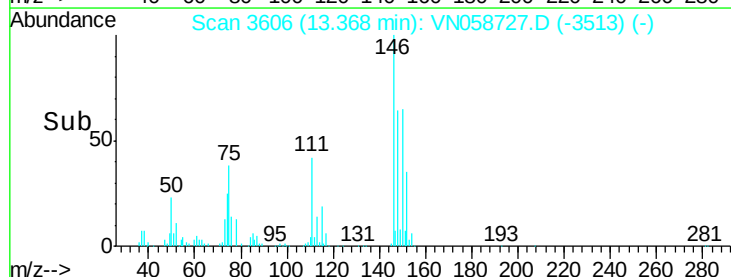
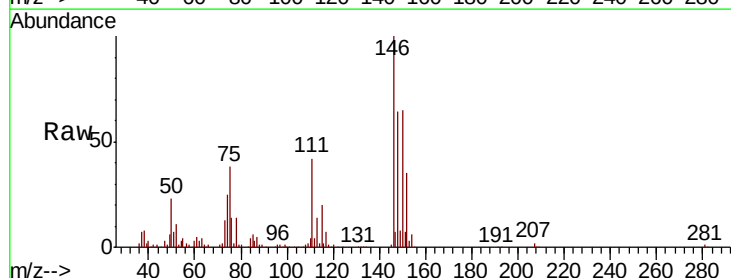
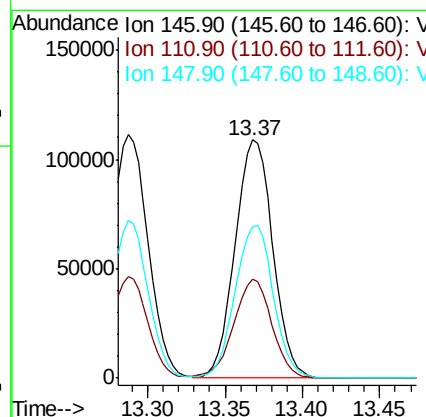
RT: 13.37 min Scan# 3606

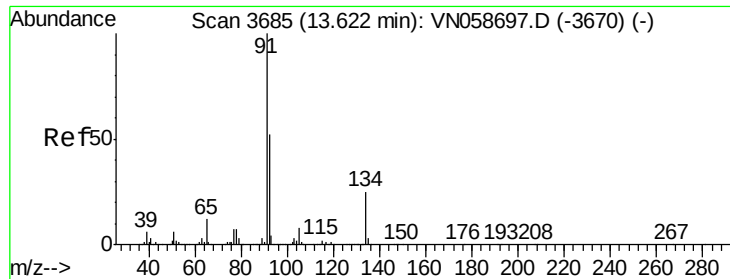
Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183835		
111	42.3	20.1	60.2	
148	64.9	31.9	95.7	





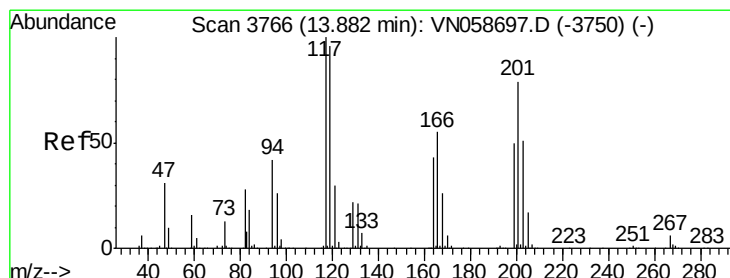
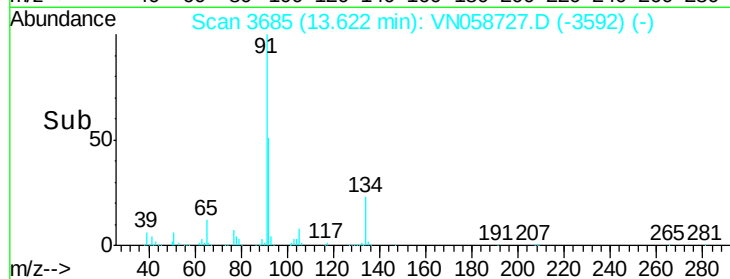
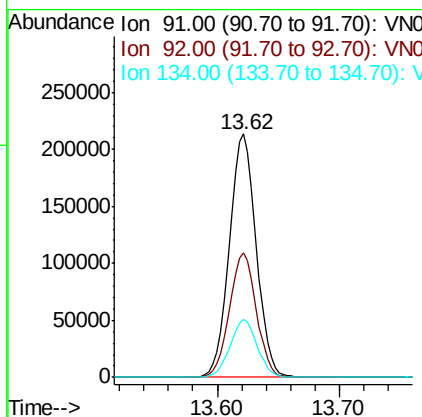
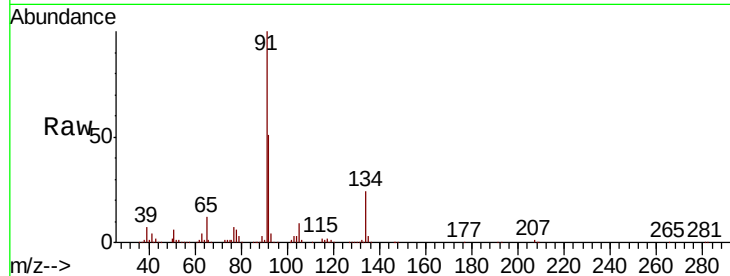
#89
n-Butylbenzene
Concen: 19.570 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		327913		
92	51.2	26.0	78.0		
134	24.0	12.2	36.6		

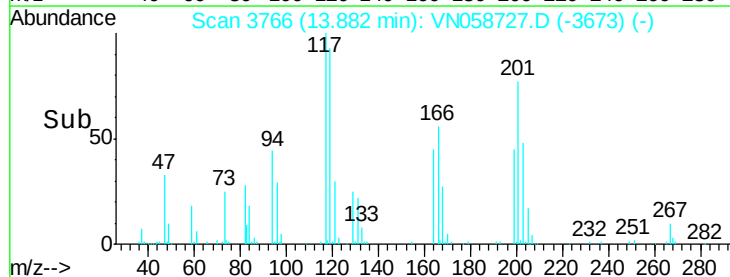
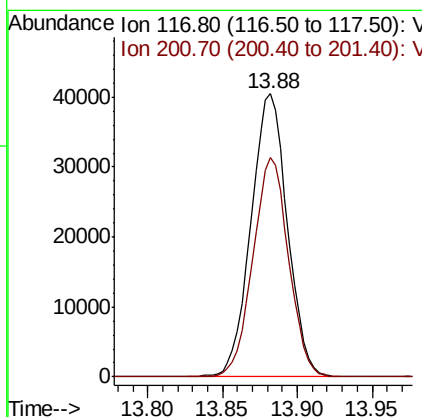
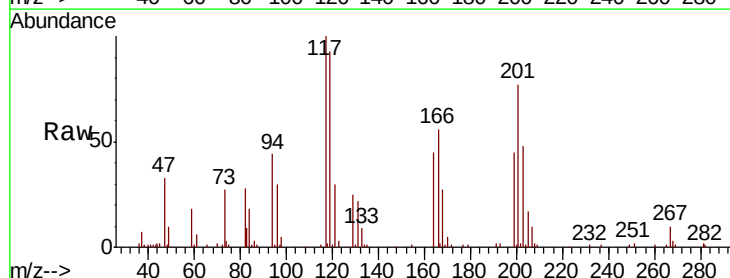
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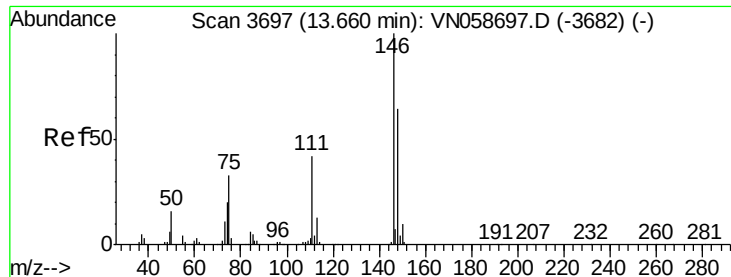
MMDadoda
10/16/2019 12:48:58 AM



#90
Hexachloroethane
Concen: 21.109 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		68447		
201	75.7	39.6	118.7		





#91

1,2-Dichlorobenzene

Concen: 20.210 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Instrument :

MSVOA_N

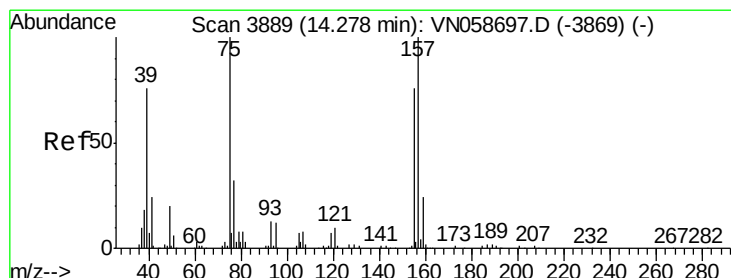
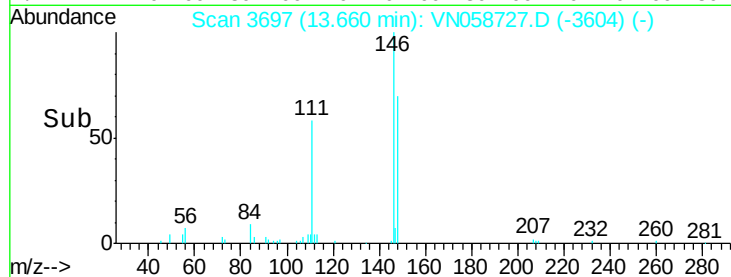
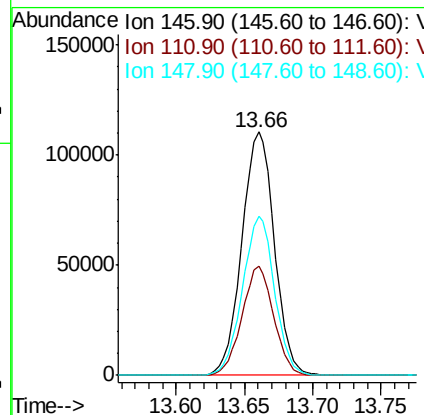
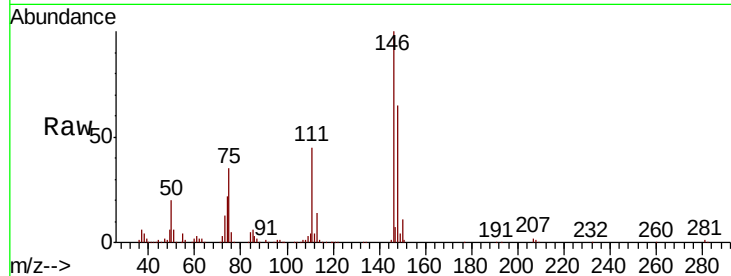
ClientSampleId :

VN1013WBS02

Tot Ion:	146	Resp:	182809
Ion Ratio	Lower	Upper	
146	100		
111	43.7	21.1	63.4
148	64.2	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.387 ug/l

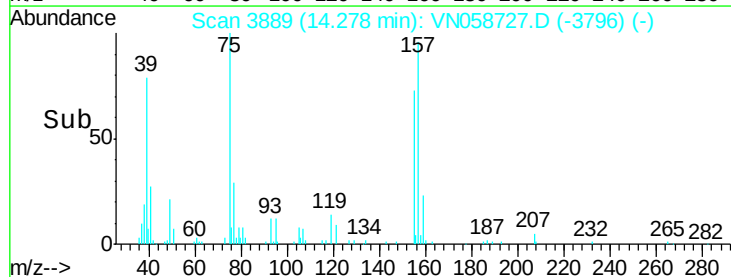
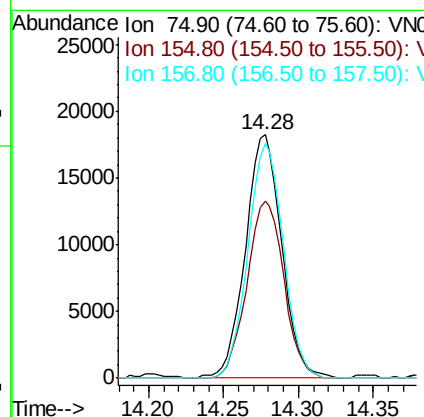
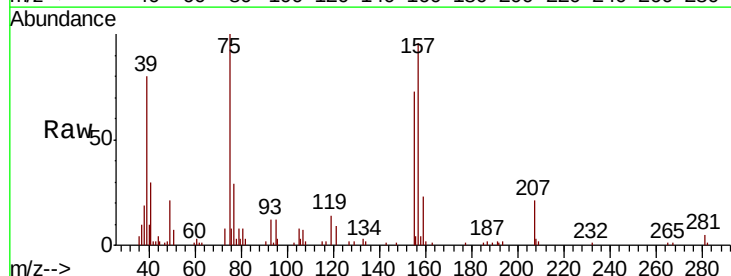
RT: 14.28 min Scan# 3889

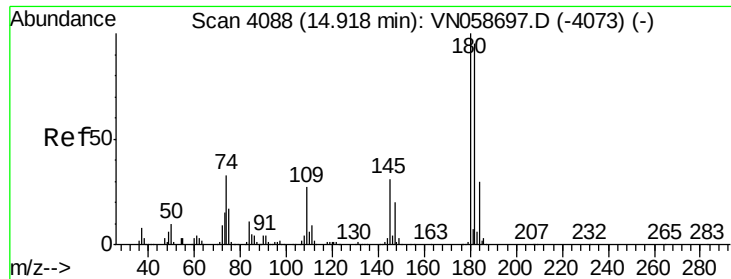
Delta R.T. -0.00 min

Lab File: VN058727.D

Acq: 12 Oct 2019 1:33

Tgt Ion:	75	Resp:	30870
Ion Ratio	Lower	Upper	
75	100		
155	73.8	37.9	113.6
157	93.9	49.4	148.2





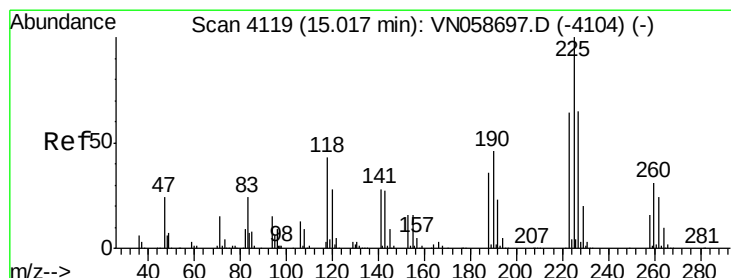
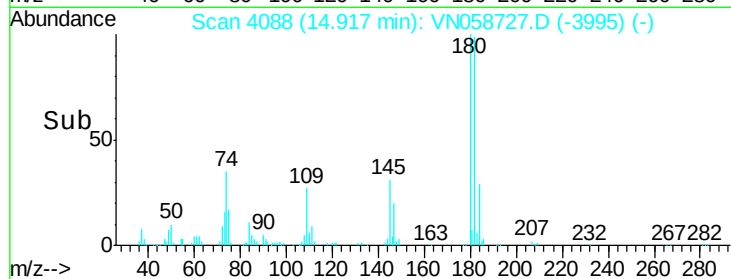
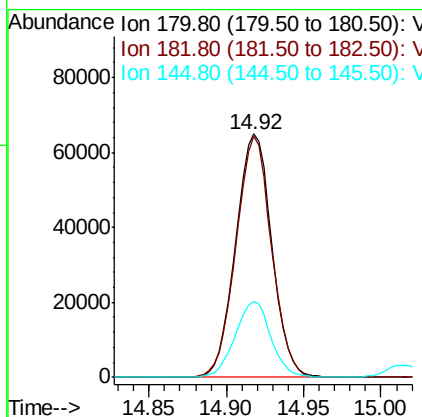
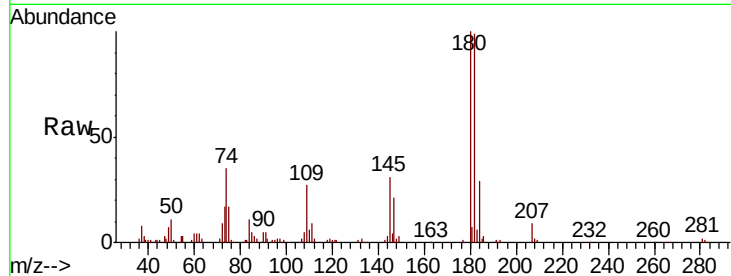
#93
 1,2,4-Trichlorobenzene
 Concen: 19.094 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	105354		
182	97.2	47.4	142.2	
145	30.9	15.4	46.2	

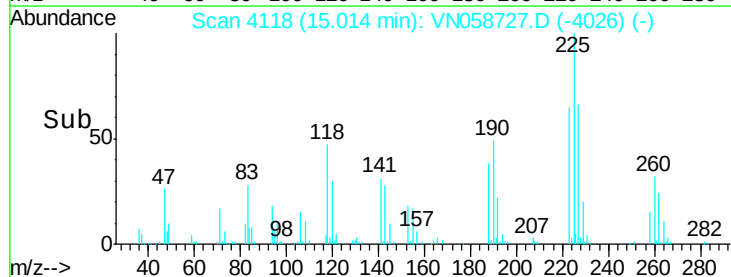
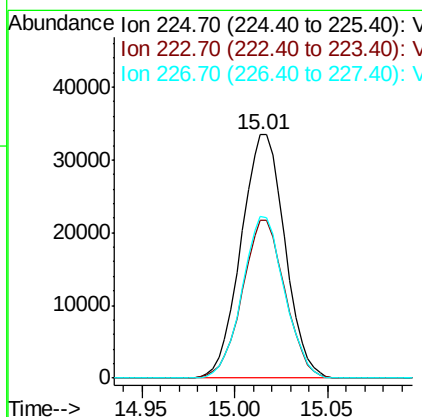
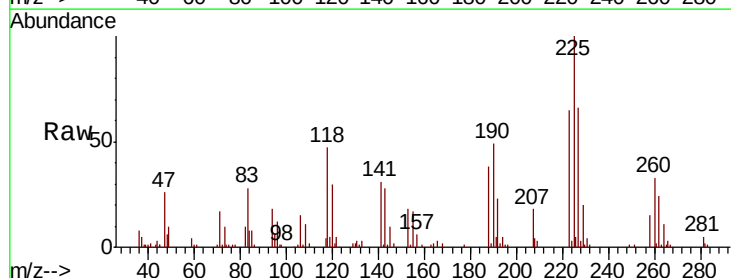
Manual Integrations
 APPROVED

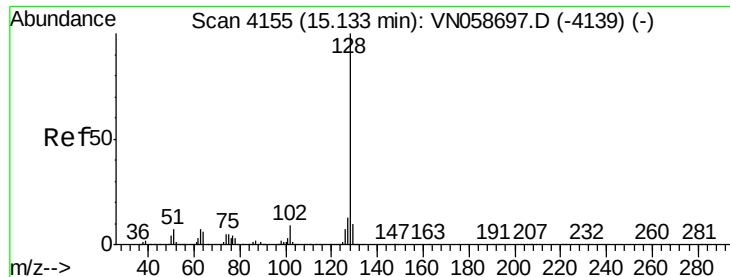
MMDadoda
 10/16/2019 12:48:58 AM



#94
 Hexachlorobutadiene
 Concen: 18.973 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058727.D
 Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55130		
223	63.2	32.3	96.8	
227	64.0	32.4	97.0	





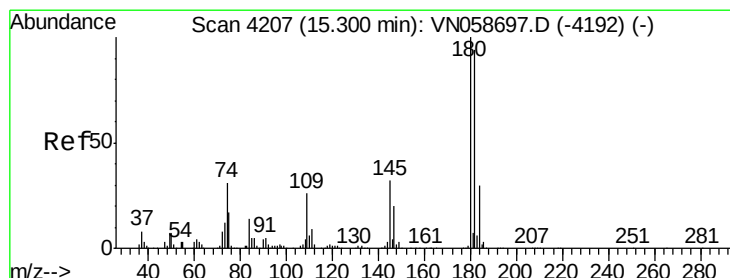
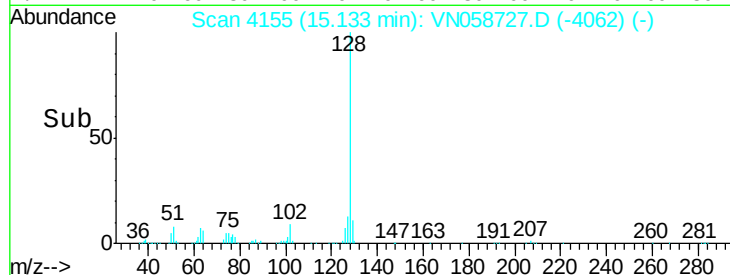
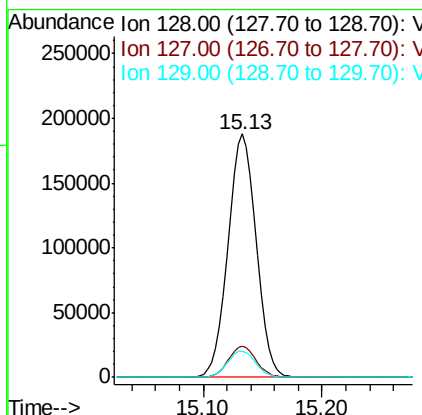
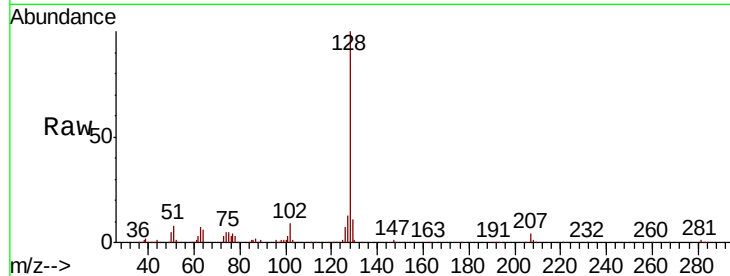
#95
Naphthalene
Concen: 19.446 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Instrument :
MSVOA_N
ClientSampleId :
VN1013WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	308366		
127	12.6	10.2	15.4	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:48:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.013 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058727.D
Acq: 12 Oct 2019 1:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102424		
182	95.1	47.3	142.0	
145	32.0	16.2	48.6	

