

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057032.D
 Acq On : 1 Aug 2019 13:15
 Operator : JC/SP
 Sample : VN0801WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/2/2019 11:17:58 AM

Quant Time: Aug 02 05:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	473806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	701102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	610623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	230892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	245025	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
35) Dibromofluoromethane	7.58	113	224374	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	10.08	98	838826	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	258807	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	106174	22.166	ug/l	98
3) Chloromethane	2.05	50	117132	20.422	ug/l	99
4) Vinyl Chloride	2.18	62	110155	20.482	ug/l	100
5) Bromomethane	2.55	94	69599	20.816	ug/l	99
6) Chloroethane	2.69	64	60605	20.442	ug/l	99
7) Trichlorofluoromethane	3.00	101	156411	22.217	ug/l	100
8) Diethyl Ether	3.40	74	56264	21.354	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91914	21.058	ug/l	98
10) Methyl Iodide	3.94	142	119053	20.412	ug/l	98
11) Tert butyl alcohol	4.77	59	77725	118.560	ug/l	99
12) 1,1-Dichloroethene	3.72	96	88632	21.282	ug/l	99
13) Acrolein	3.60	56	26502	77.071	ug/l	91
14) Allyl chloride	4.31	41	139299	20.562	ug/l	98
15) Acrylonitrile	4.97	53	210007	109.236	ug/l	99
16) Acetone	3.81	43	170851	97.236	ug/l	96
17) Carbon Disulfide	4.04	76	209825	18.960	ug/l	99
18) Methyl Acetate	4.31	43	119321	21.287	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	276118	22.235	ug/l	99
20) Methylene Chloride	4.54	84	106836	21.108	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	91724	20.738	ug/l	95
22) Diisopropyl ether	5.94	45	301278	21.584	ug/l	96
23) Vinyl Acetate	5.88	43	1041593	107.701	ug/l	98
24) 1,1-Dichloroethane	5.83	63	180510	21.919	ug/l	98
25) 2-Butanone	6.82	43	263386	105.712	ug/l	99
26) 2,2-Dichloropropane	6.81	77	133648	21.343	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	110442	21.111	ug/l	99
28) Bromochloromethane	7.18	49	75225	19.433	ug/l	99
29) Tetrahydrofuran	7.20	42	176498	108.575	ug/l	99
30) Chloroform	7.36	83	179056	21.265	ug/l	98
31) Cyclohexane	7.64	56	160089	20.088	ug/l	95
32) 1,1,1-Trichloroethane	7.56	97	147982	22.026	ug/l	98
36) 1,1-Dichloropropene	7.78	75	125016	20.265	ug/l	97
37) Ethyl Acetate	6.91	43	109137	22.088	ug/l	99
38) Carbon Tetrachloride	7.76	117	126995	21.763	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	156968	19.908	ug/l	98
40) Benzene	8.03	78	405720	21.352	ug/l	99
41) Methacrylonitrile	7.16	41	56028	24.529	ug/l	85
42) 1,2-Dichloroethane	8.11	62	130678	21.943	ug/l	99
43) Isopropyl Acetate	8.16	43	174160	21.326	ug/l	93
44) Trichloroethene	8.82	130	110600	21.128	ug/l	97
45) 1,2-Dichloropropane	9.11	63	108398	21.328	ug/l	100
46) Dibromomethane	9.20	93	69160	22.564	ug/l	100
47) Bromodichloromethane	9.39	83	131532	21.826	ug/l	99
48) Methyl methacrylate	9.19	41	86062	21.828	ug/l	98
49) 1,4-Dioxane	9.19	88	36438	448.451	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	531864	109.611	ug/l	100
52) Toluene	10.15	92	247332	21.665	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	136158	21.773	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	156761	21.560	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	100230	21.892	ug/l	99
56) Ethyl methacrylate	10.42	69	135098	20.612	ug/l	99
57) 1,3-Dichloropropane	10.70	76	165364	21.782	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	210571	76.752	ug/l	98
59) 2-Hexanone	10.74	43	365562	99.351	ug/l	99
60) Dibromochloromethane	10.90	129	103906	22.152	ug/l	95
61) 1,2-Dibromoethane	11.00	107	101288	22.670	ug/l	100
64) Tetrachloroethene	10.63	164	115105	21.875	ug/l	96
65) Chlorobenzene	11.43	112	265280	21.316	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	102738	21.933	ug/l	99
67) Ethyl Benzene	11.51	91	461233	21.443	ug/l	99
68) m/p-Xylenes	11.62	106	340874	42.941	ug/l	100
69) o-Xylene	11.94	106	168446	21.689	ug/l	99
70) Styrene	11.96	104	263498	20.346	ug/l	98
71) Bromoform	12.12	173	71659	21.911	ug/l #	98
73) Isopropylbenzene	12.25	105	451821	22.642	ug/l	100
74) N-amyl acetate	12.07	43	130500	22.523	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	129425	24.350	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	110990m	23.670	ug/l	
77) Bromobenzene	12.52	156	115029	22.087	ug/l	99
78) n-propylbenzene	12.59	91	465270	21.837	ug/l	100
79) 2-Chlorotoluene	12.67	91	285368	21.751	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	374103	22.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32586	22.328	ug/l	93
82) 4-Chlorotoluene	12.77	91	265450	21.621	ug/l	99
83) tert-Butylbenzene	12.99	119	333589	23.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	359949	22.842	ug/l	100
85) sec-Butylbenzene	13.17	105	416930	22.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	372027	22.407	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	170075	21.469	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159308	20.889	ug/l	98
89) n-Butylbenzene	13.61	91	262571	20.520	ug/l	98
90) Hexachloroethane	13.87	117	64158	22.442	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	172754	22.157	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18325	23.089	ug/l	96

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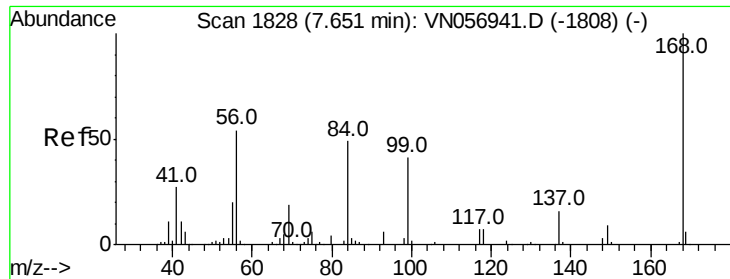
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58347	16.431	ug/l	98
94) Hexachlorobutadiene	15.00	225	70482	24.163	ug/l	100
95) Naphthalene	15.12	128	140849	16.915	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	68115	18.121	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion:168 Resp: 473806

Ion Ratio Lower Upper

168 100

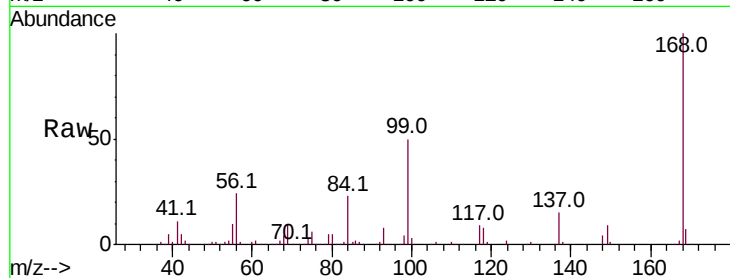
99 50.1 39.0 58.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

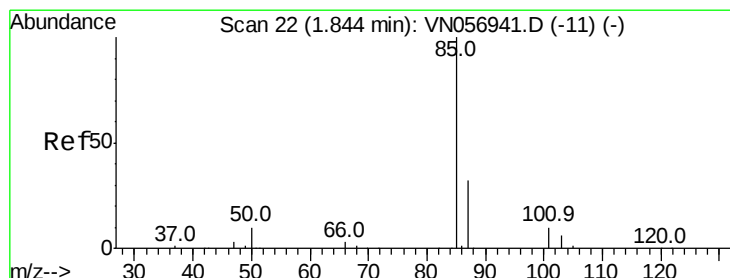
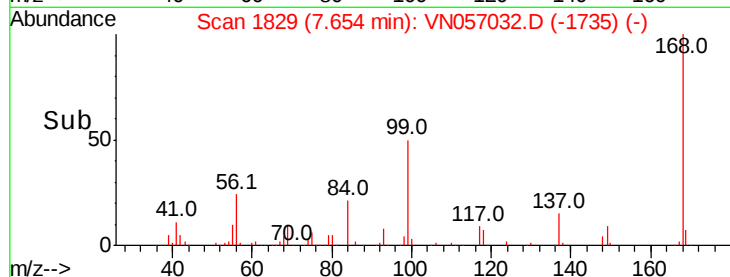
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 22.166 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057032.D

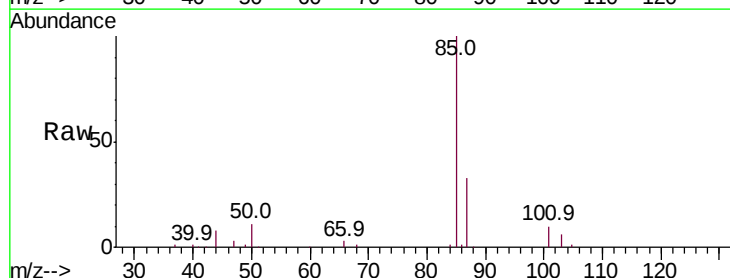
Acq: 1 Aug 2019 13:15

Tgt Ion: 85 Resp: 106174

Ion Ratio Lower Upper

85 100

87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

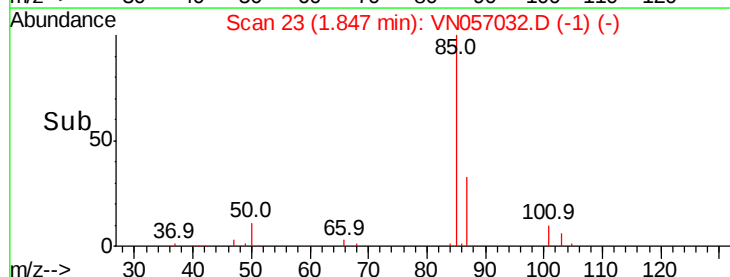
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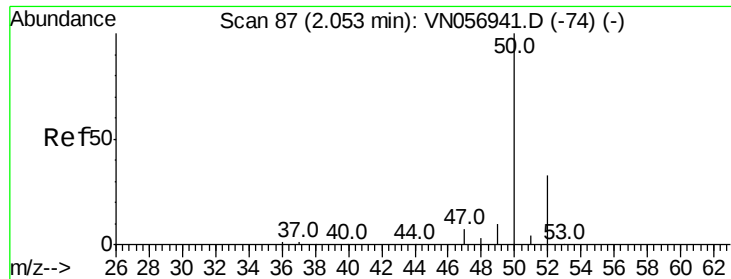
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.422 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion: 50 Resp: 117132

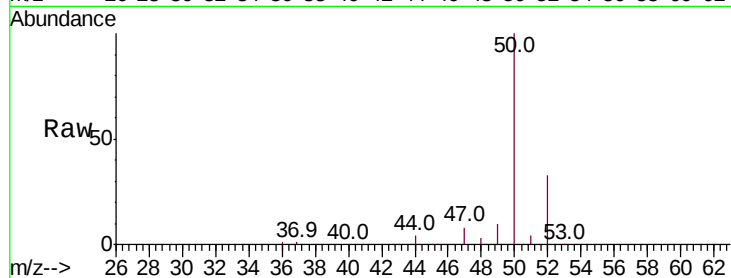
Ion Ratio Lower Upper

50 100

52 33.3 26.2 39.2

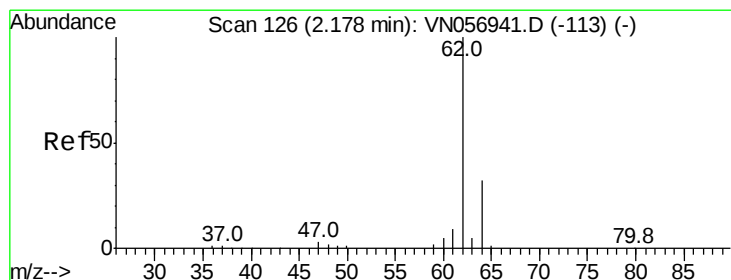
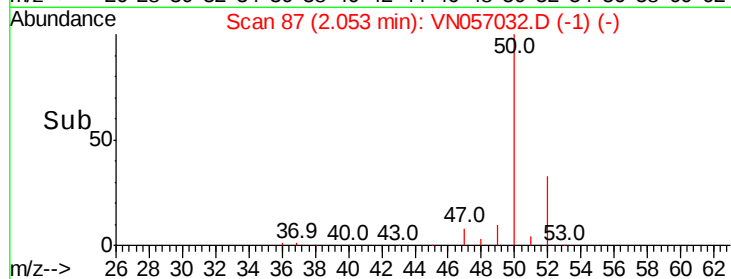
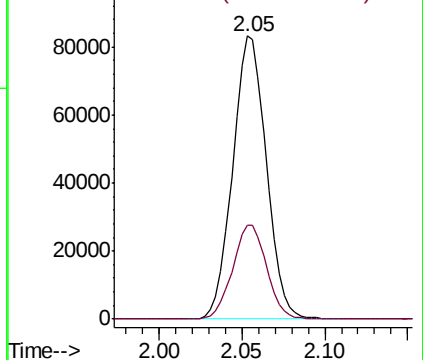
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 20.482 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057032.D

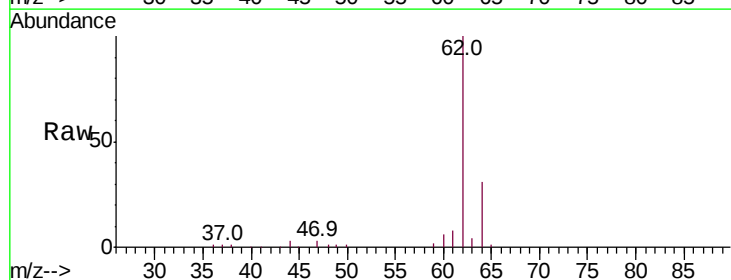
Acq: 1 Aug 2019 13:15

Tgt Ion: 62 Resp: 110155

Ion Ratio Lower Upper

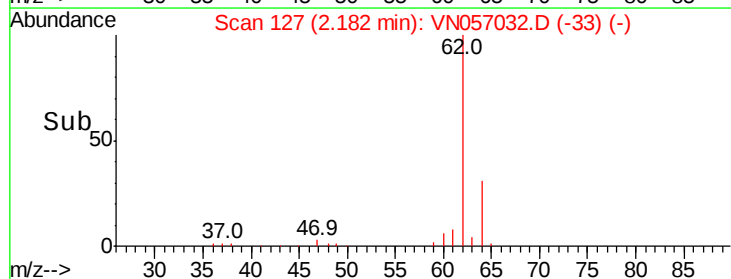
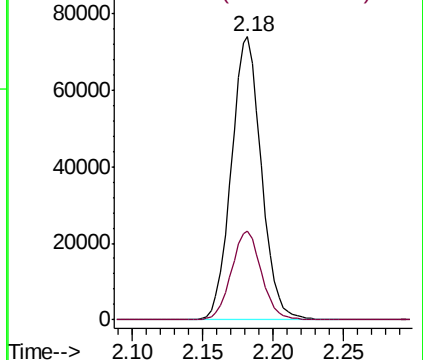
62 100

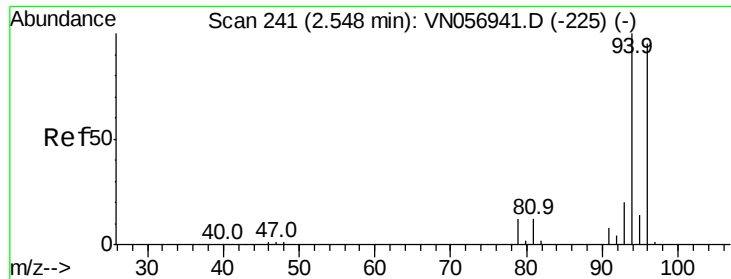
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





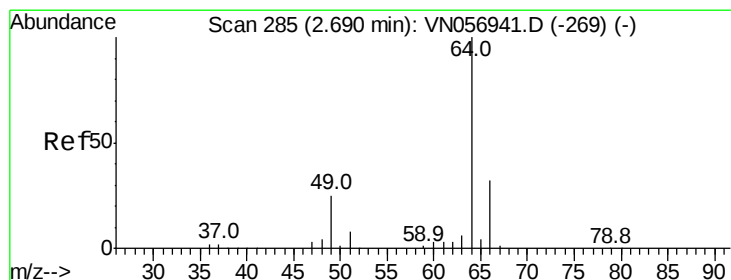
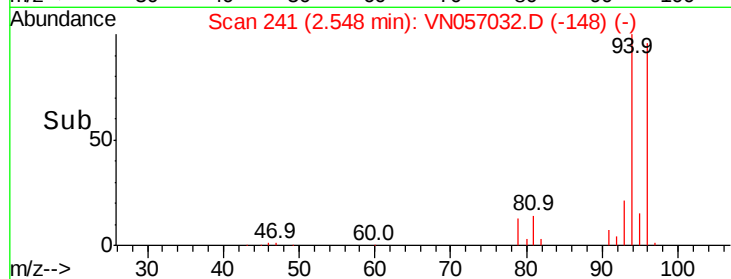
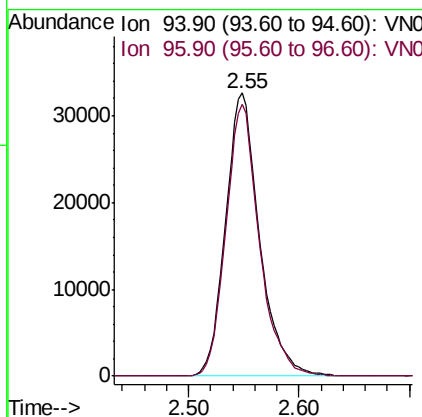
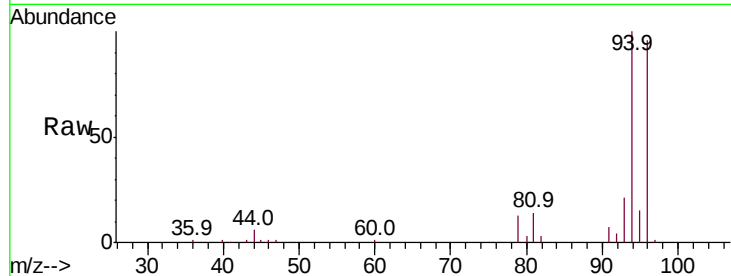
#5
Bromomethane
Concen: 20.816 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
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VN0801WBS02

Tot Ion: 94 Resp: 69599
Ion Ratio Lower Upper
94 100
96 96.1 76.2 114.2

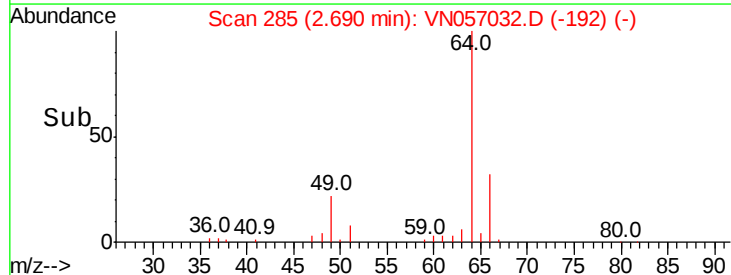
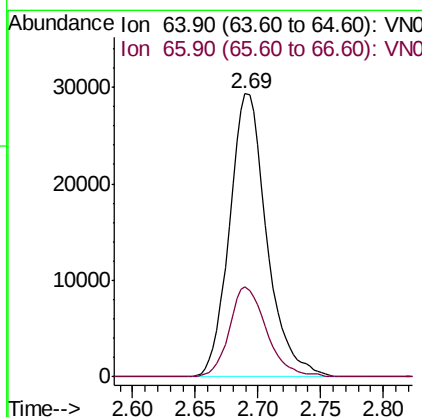
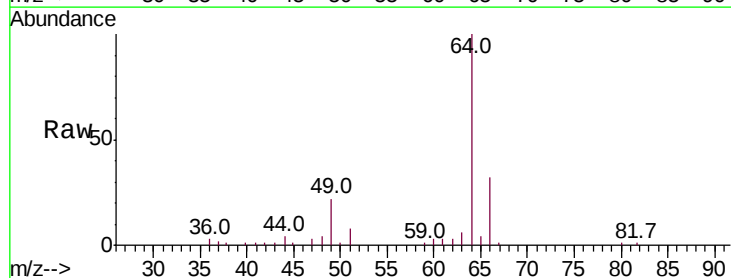
Manual Integrations
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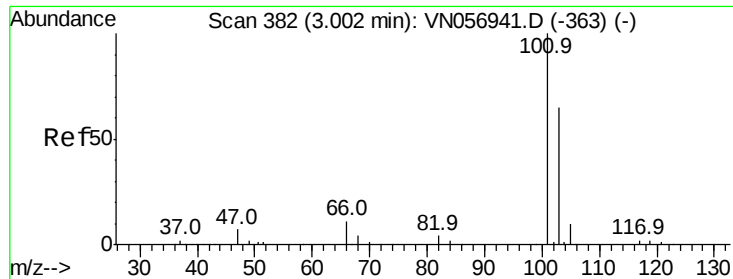
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#6
Chloroethane
Concen: 20.442 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 64 Resp: 60605
Ion Ratio Lower Upper
64 100
66 31.6 25.8 38.8





#7

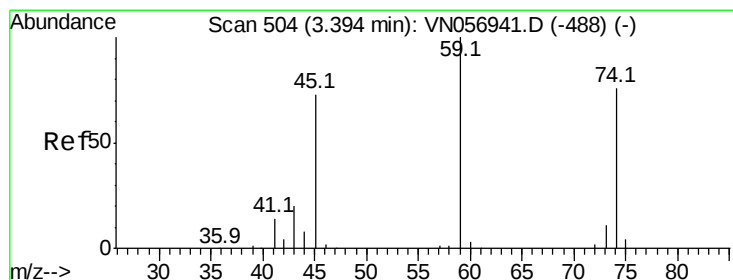
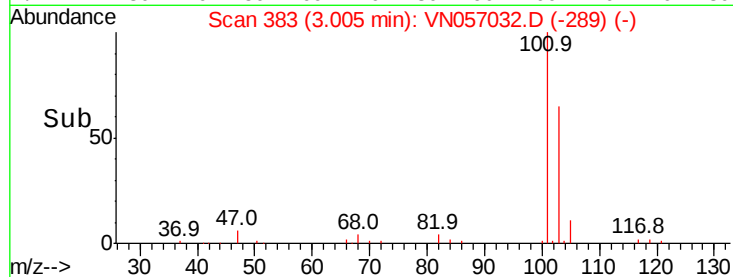
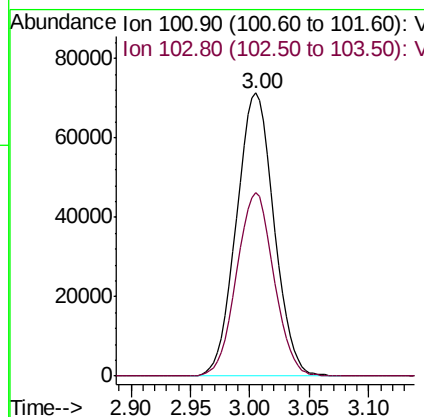
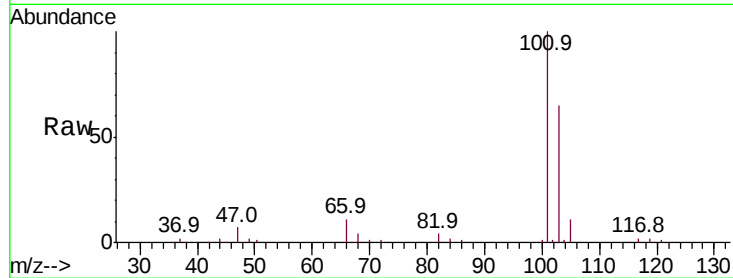
Trichlorofluoromethane
 Concen: 22.217 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
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 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

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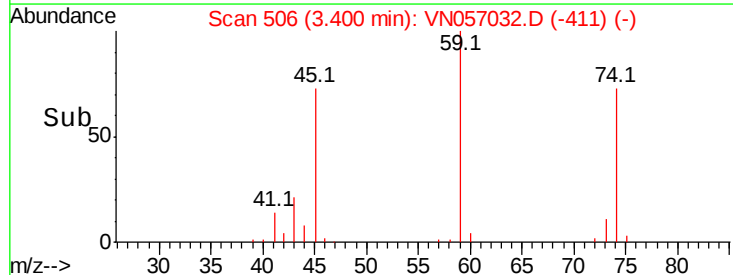
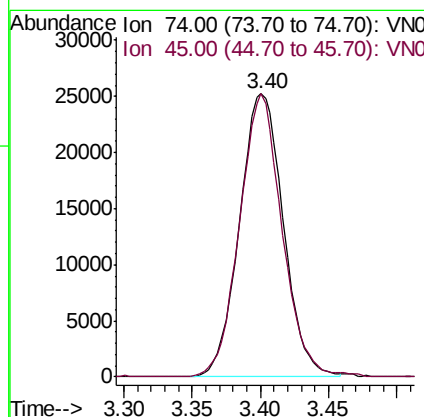
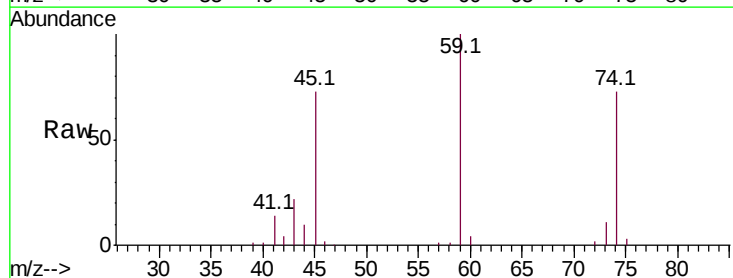
MMDadoda
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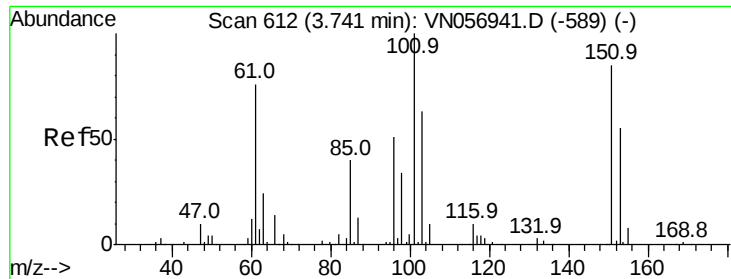


#8

Diethyl Ether
 Concen: 21.354 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.1	144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.058 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

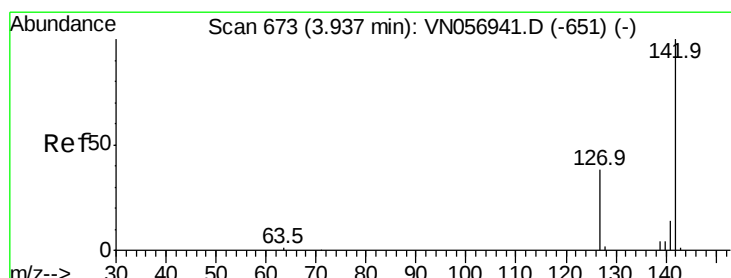
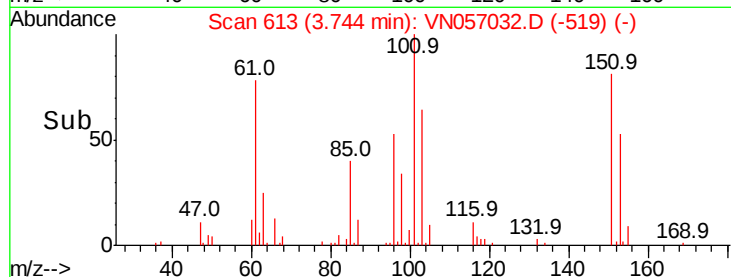
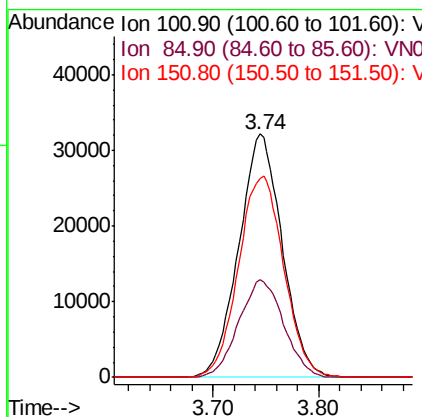
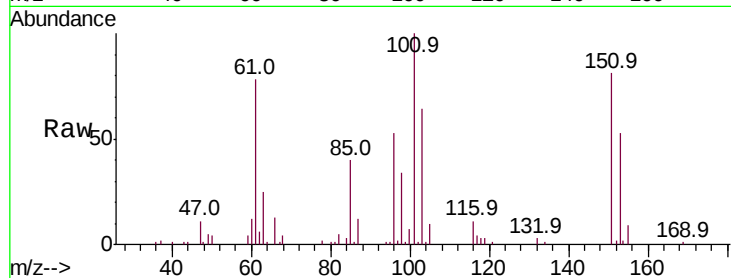
ClientSampleId :

VN0801WBS02

Tot Ion:	101	Resp:	91914
Ion Ratio	Lower	Upper	
101	100		
85	41.4	32.3	48.5
151	86.5	68.0	102.0

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#10

Methyl Iodide

Concen: 20.412 ug/l

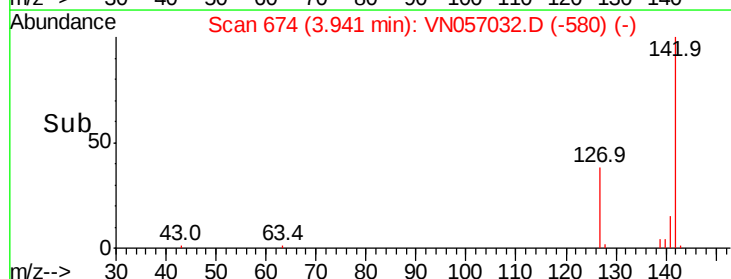
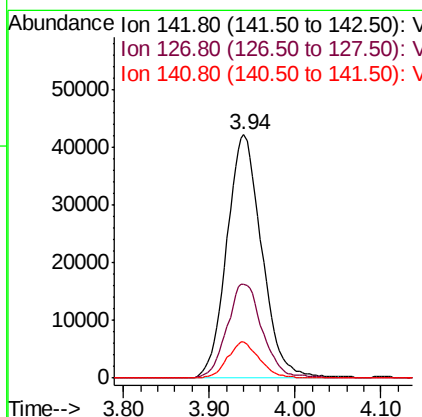
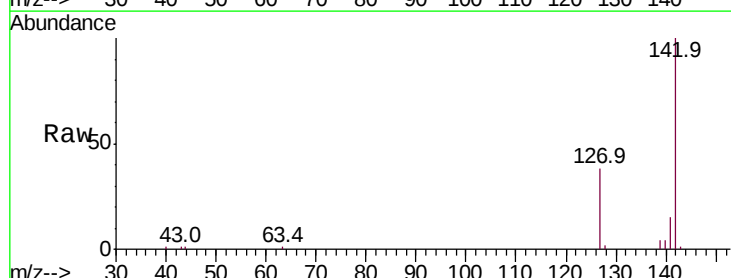
RT: 3.94 min Scan# 674

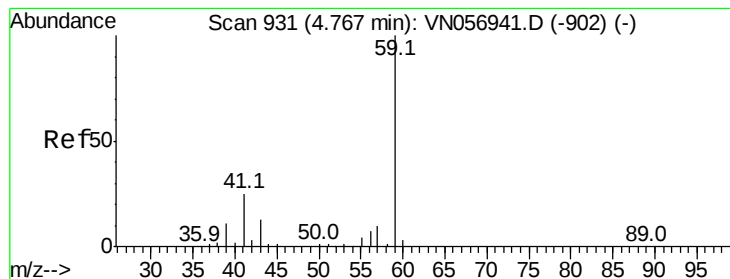
Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion:	142	Resp:	119053
Ion Ratio	Lower	Upper	
142	100		
127	39.2	30.4	45.6
141	13.6	11.1	16.7





#11

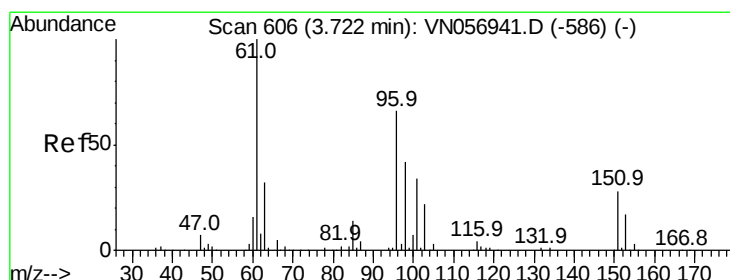
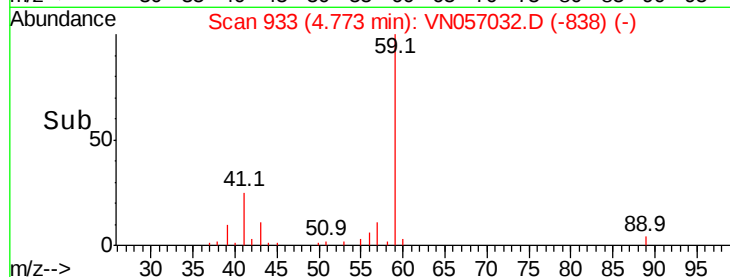
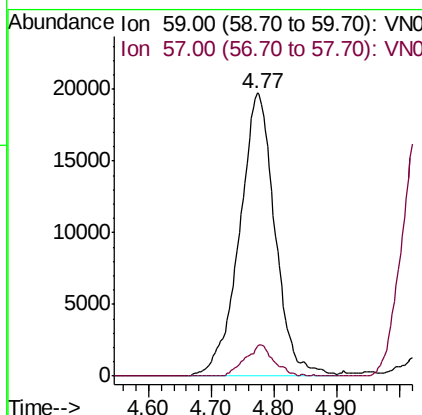
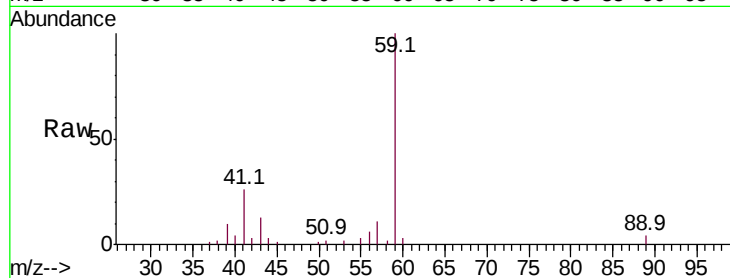
Tert butyl alcohol
 Concen: 118.560 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS02

Tot Ion	59	57	Ratio	100	8.9	Resp	77725	Lower	Upper
Ion	59	57	Ratio	100	8.9	Resp	77725	Lower	Upper
								7.5	11.3

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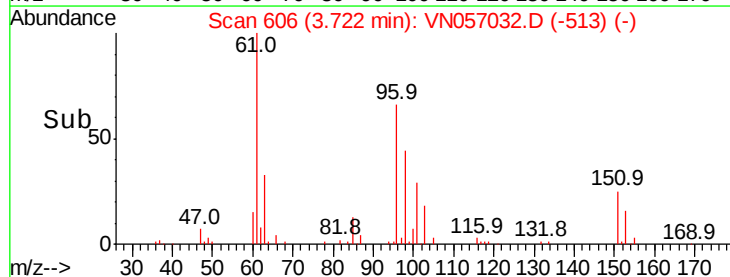
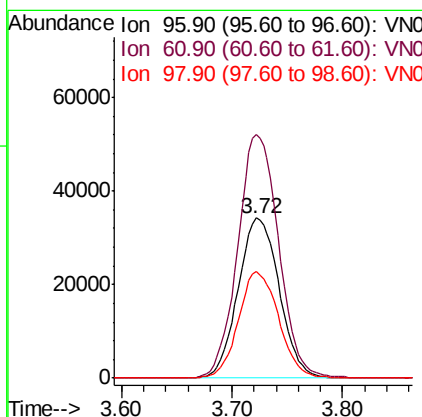
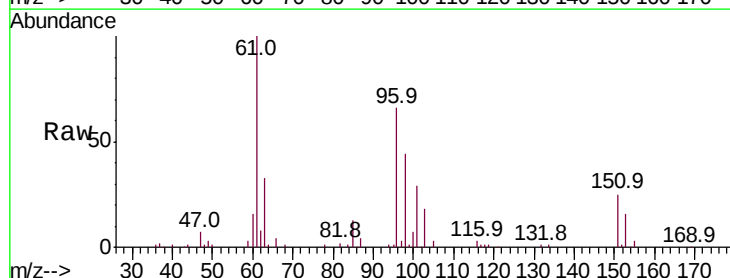
MMDadoda
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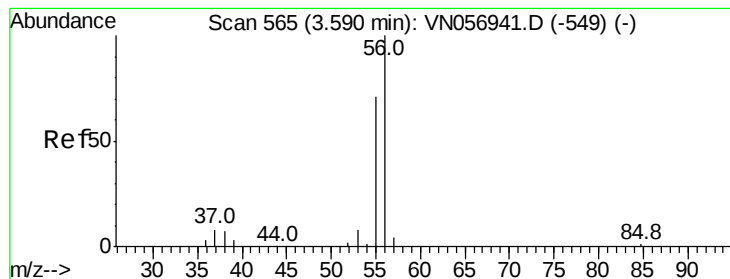


#12

1,1-Dichloroethene
 Concen: 21.282 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	96	61	98	Ratio	100	152.4	66.6	Resp	88632	Lower	Upper
Ion	96	61	98	Ratio	100	152.4	66.6	Resp	88632	Lower	Upper
										121.8	182.8
										51.7	77.5





#13

Acrolein

Concen: 77.071 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion: 56 Resp: 26502

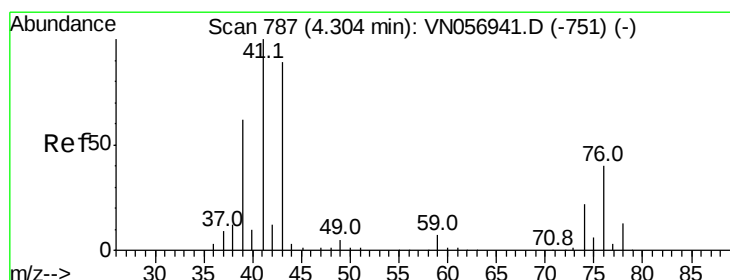
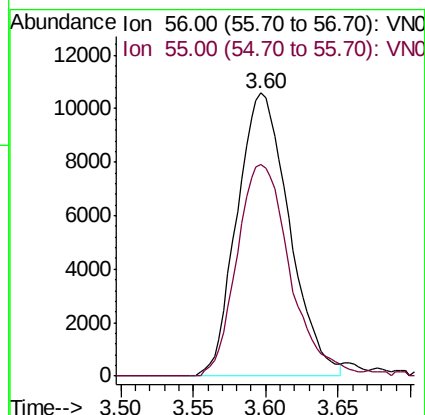
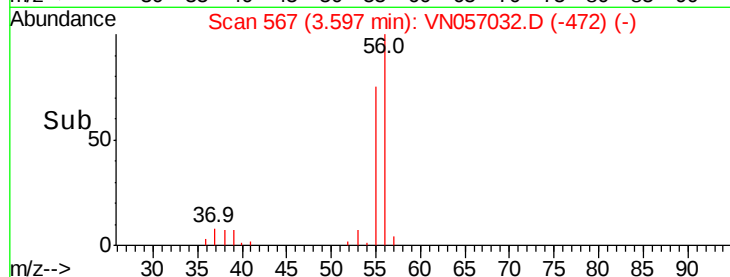
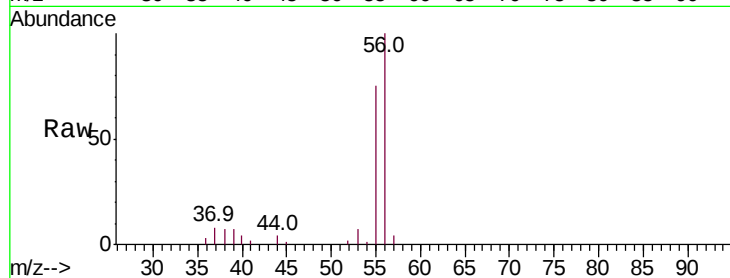
Ion Ratio Lower Upper

56 100

55 76.7 55.8 83.6

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#14

Allyl chloride

Concen: 20.562 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

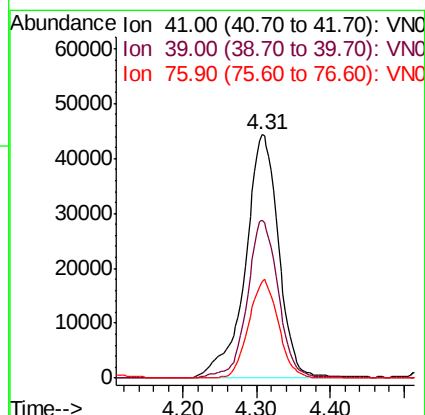
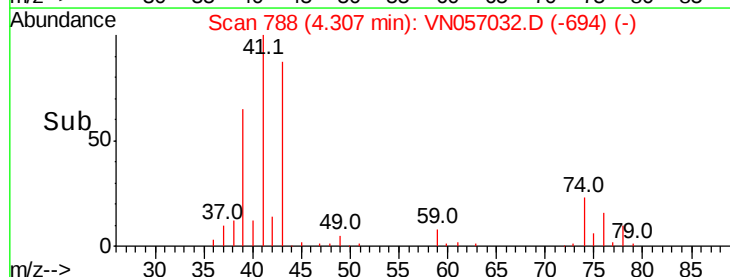
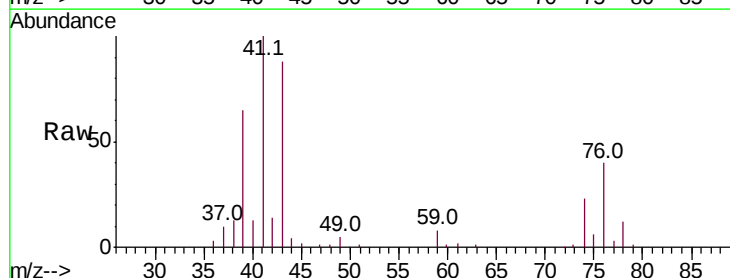
Tgt Ion: 41 Resp: 139299

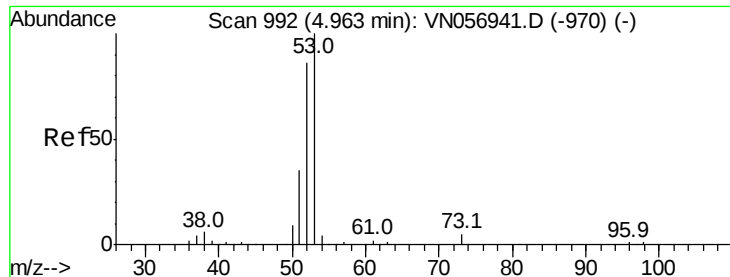
Ion Ratio Lower Upper

41 100

39 60.3 46.4 69.6

76 36.1 28.4 42.6





#15

Acrylonitrile

Concen: 109.236 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

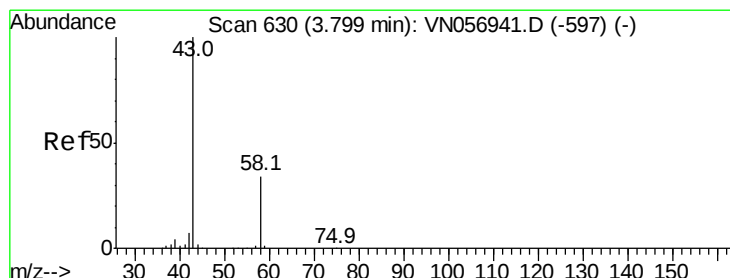
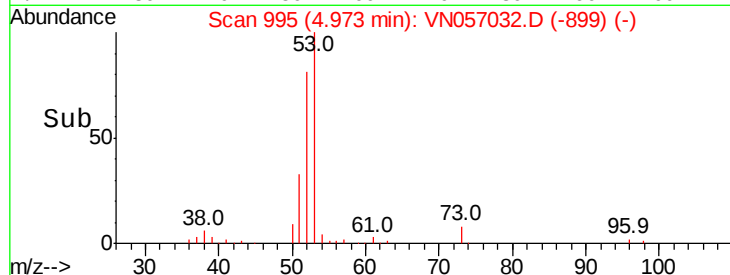
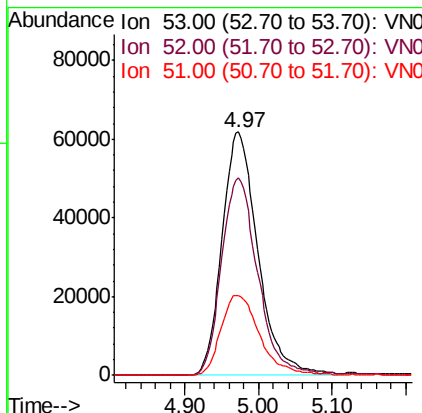
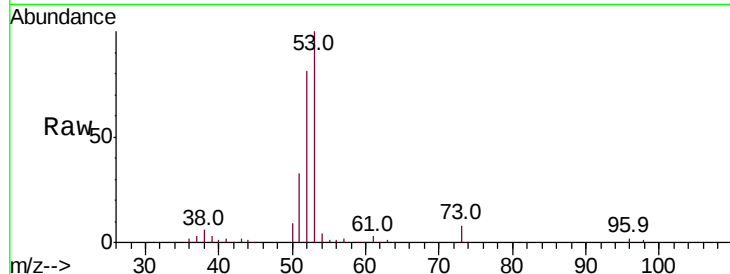
ClientSampleId :

VN0801WBS02

Tot Ion:	53	Resp:	210007
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.5	99.7
51	35.5	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 97.236 ug/l

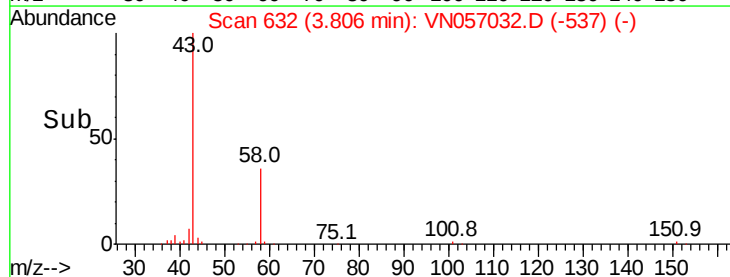
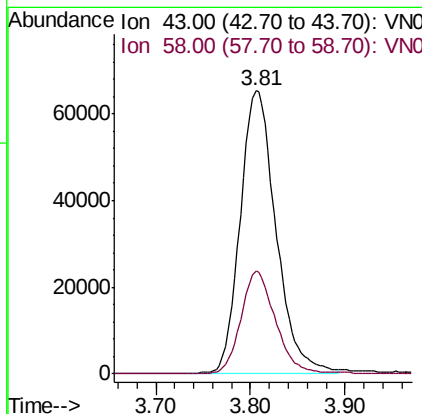
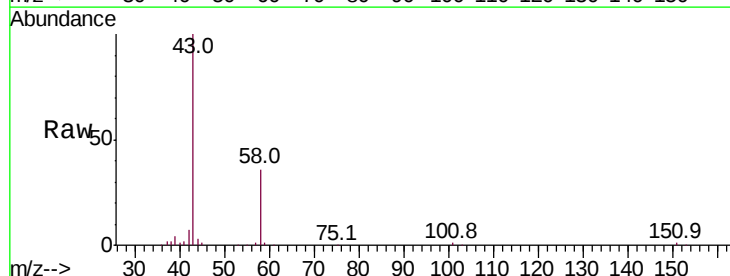
RT: 3.81 min Scan# 632

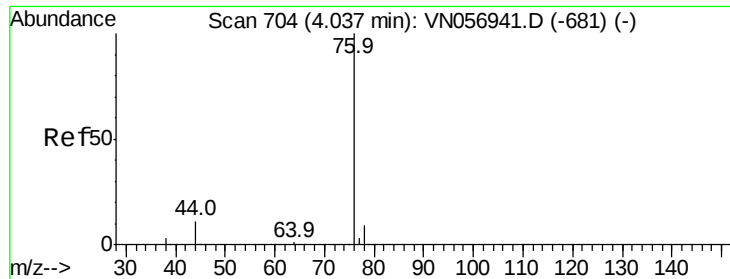
Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion:	43	Resp:	170851
Ion Ratio	Lower	Upper	
43	100		
58	36.5	27.2	40.8





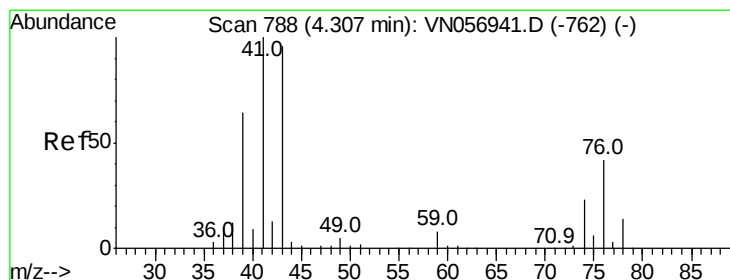
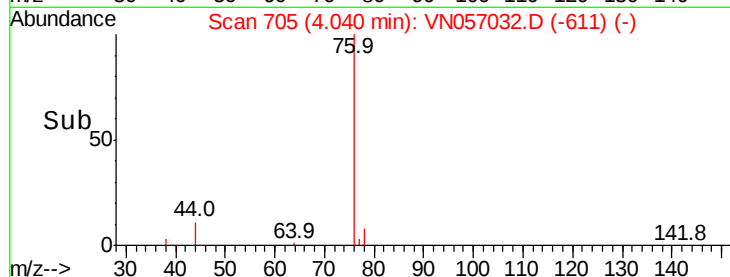
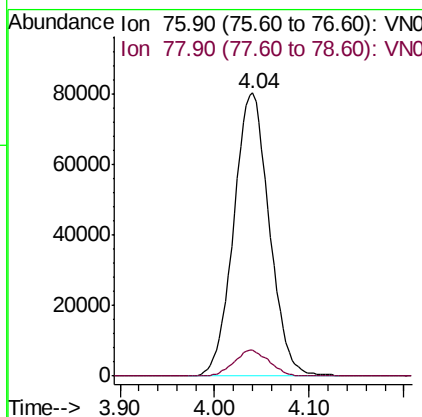
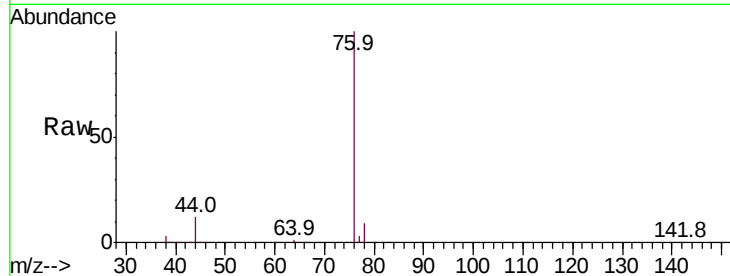
#17
Carbon Disulfide
Concen: 18.960 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion: 76 Resp: 209825
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

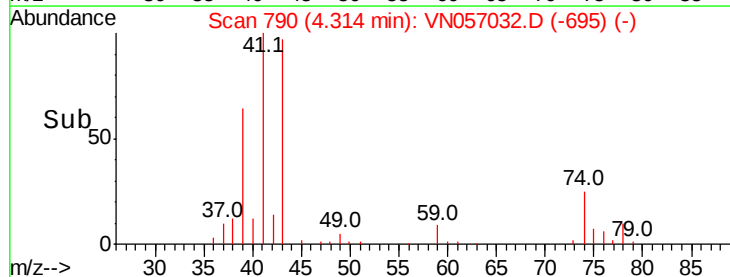
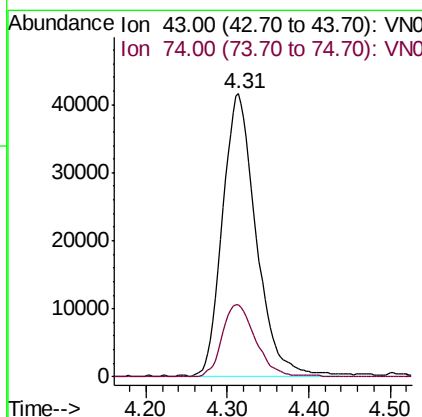
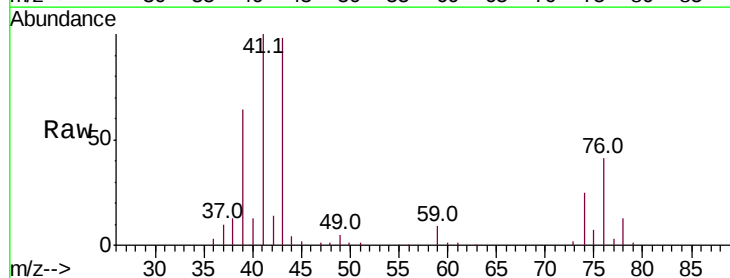
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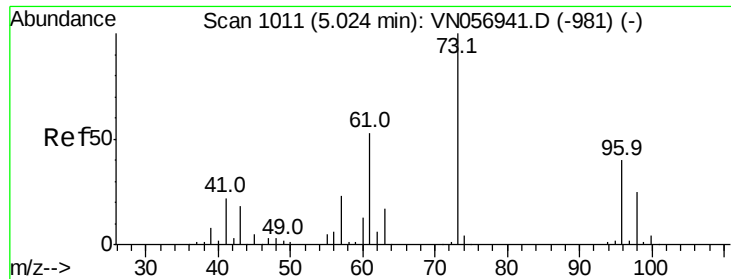
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#18
Methyl Acetate
Concen: 21.287 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 43 Resp: 119321
Ion Ratio Lower Upper
43 100
74 25.4 19.7 29.5





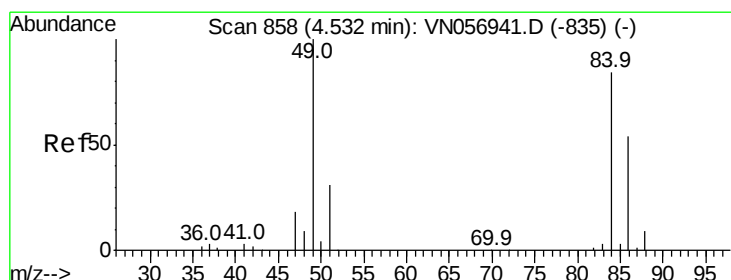
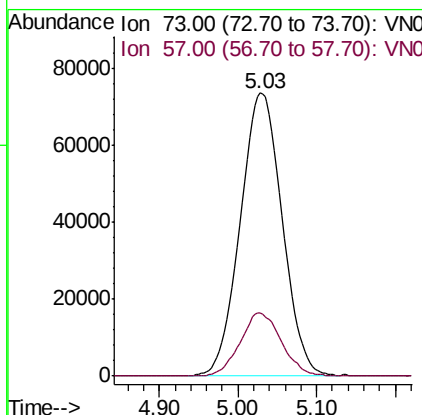
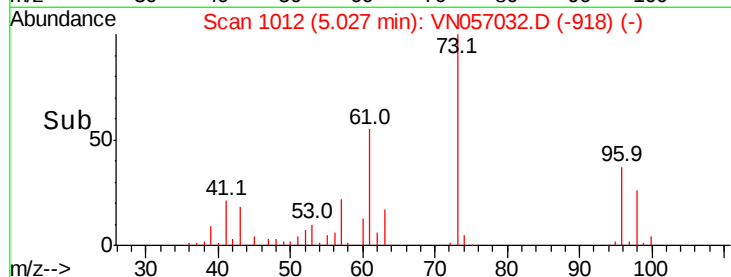
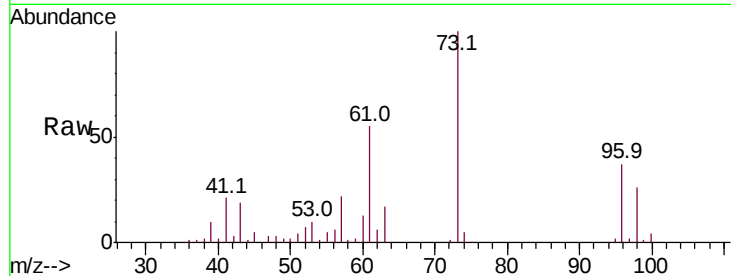
#19
Methvl tert-butvl Ether
Concen: 22.235 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion: 73 Resp: 276118
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

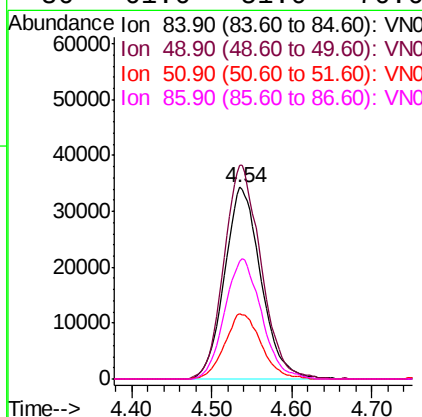
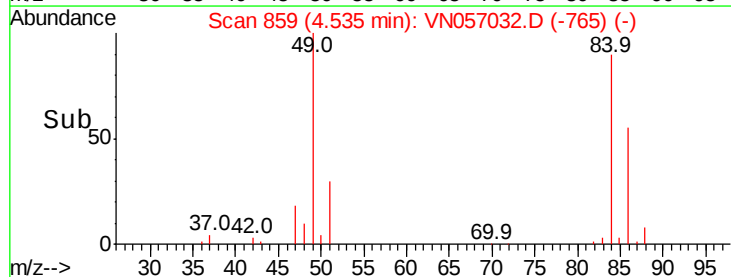
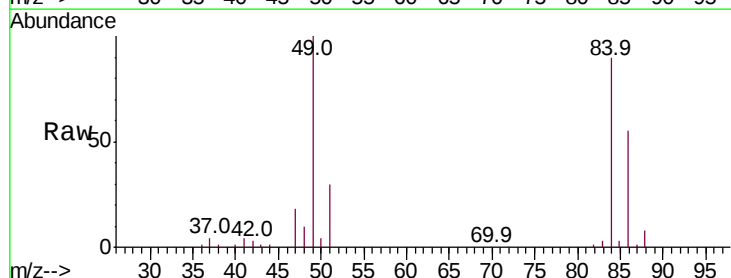
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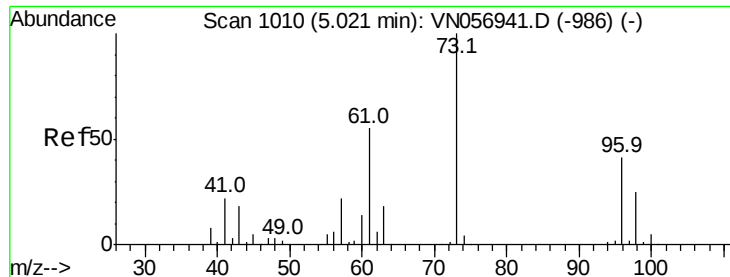
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#20
Methylene Chloride
Concen: 21.108 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 84 Resp: 106836
Ion Ratio Lower Upper
84 100
49 111.4 95.2 142.8
51 33.8 29.7 44.5
86 61.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.738 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 96 Resp: 91724

Ion Ratio Lower Upper

96 100

61 142.5 107.5 161.3

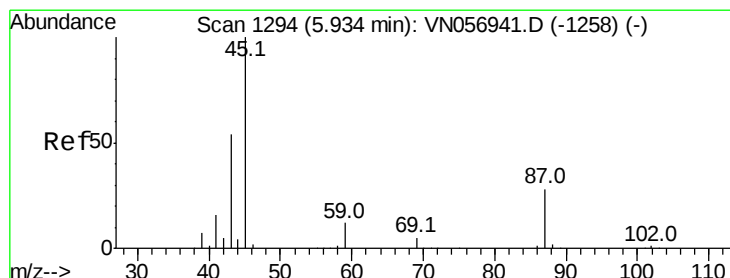
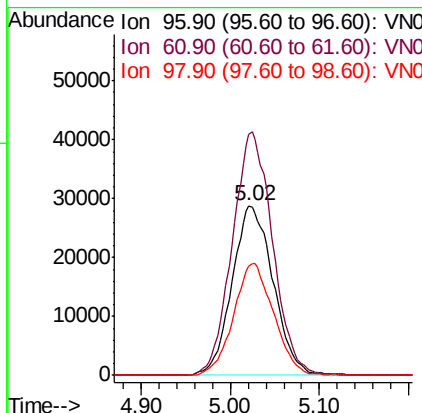
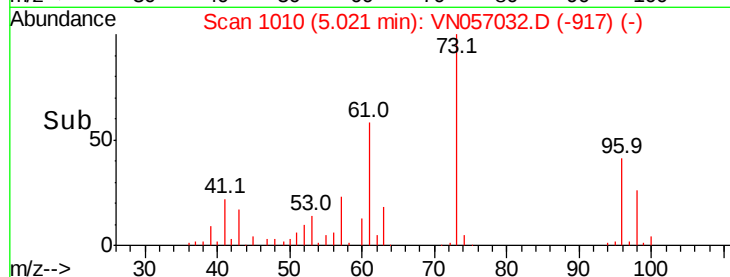
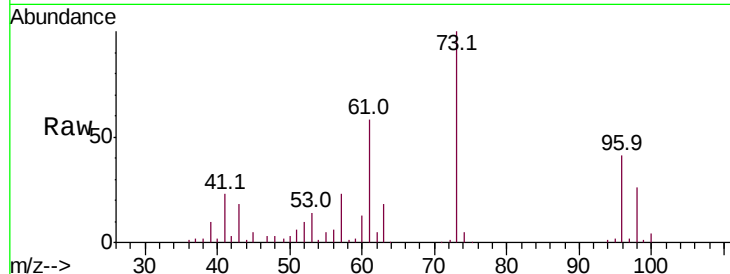
98 64.3 49.9 74.9

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#22

Diisopropyl ether

Concen: 21.584 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion: 45 Resp: 301278

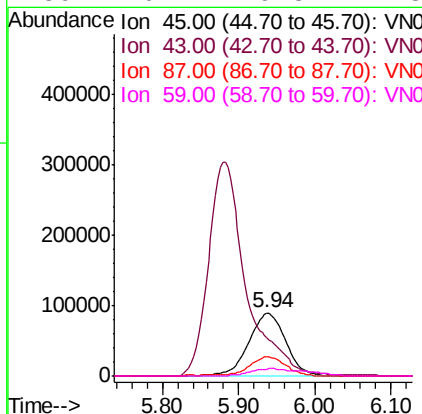
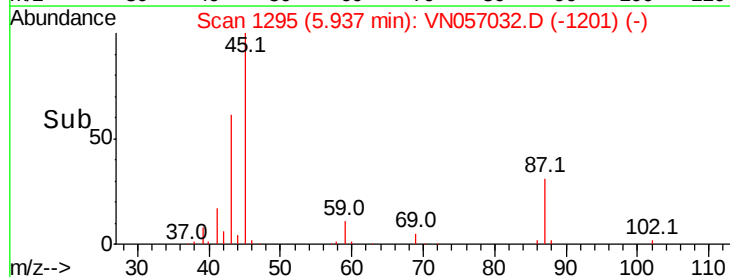
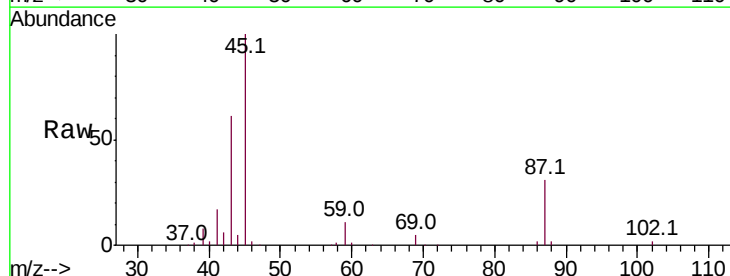
Ion Ratio Lower Upper

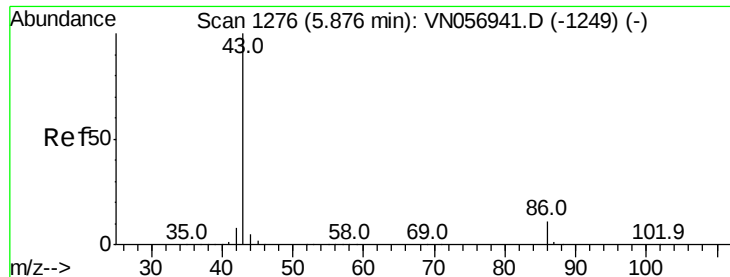
45 100

43 59.3 44.7 67.1

87 30.8 23.0 34.6

59 10.7 9.8 14.8





#23

Vinyl Acetate

Concen: 107.701 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion: 43 Resp: 1041593

Ion Ratio Lower Upper

43 100

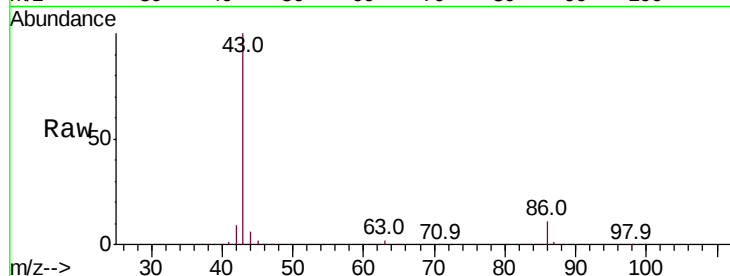
86 11.3 8.5 12.7

Manual Integrations

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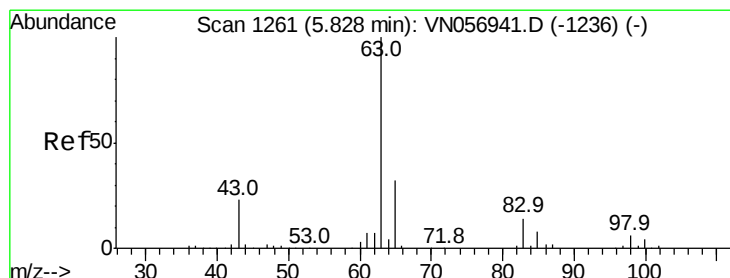
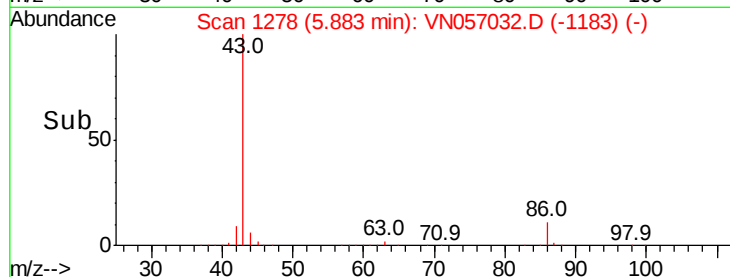
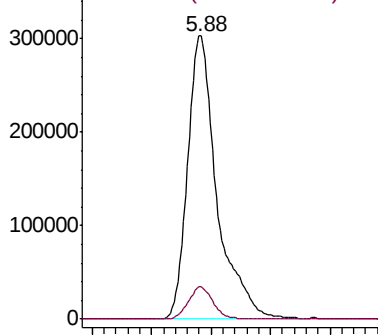
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.919 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

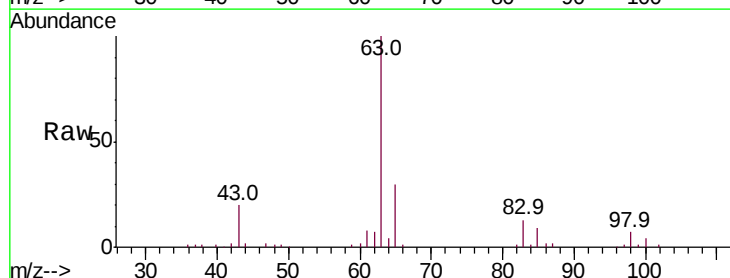
Tgt Ion: 63 Resp: 180510

Ion Ratio Lower Upper

63 100

98 7.4 3.2 9.6

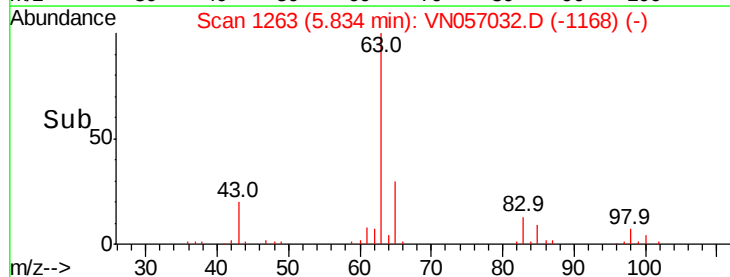
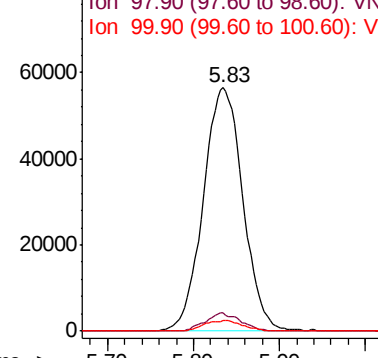
100 4.4 2.1 6.3

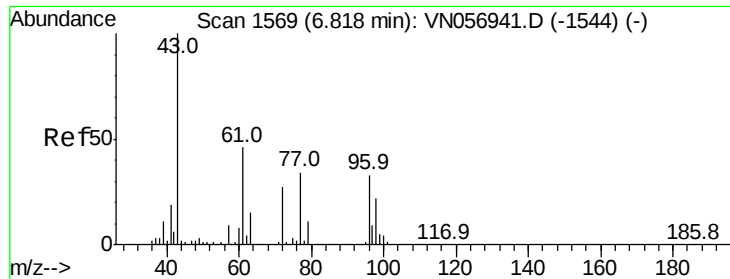


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 105.712 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 43 Resp: 263386

Ion Ratio Lower Upper

43 100

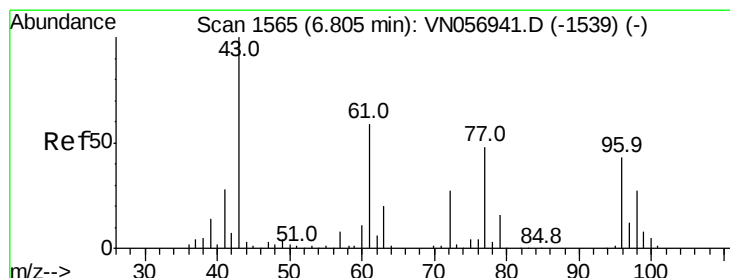
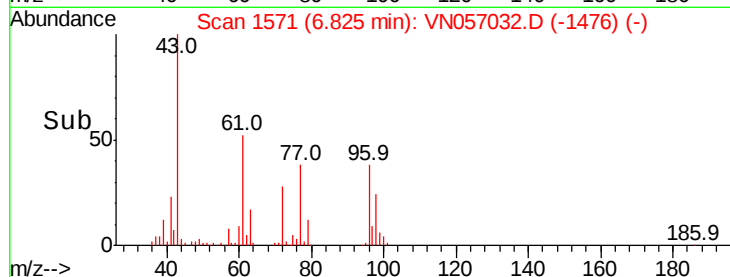
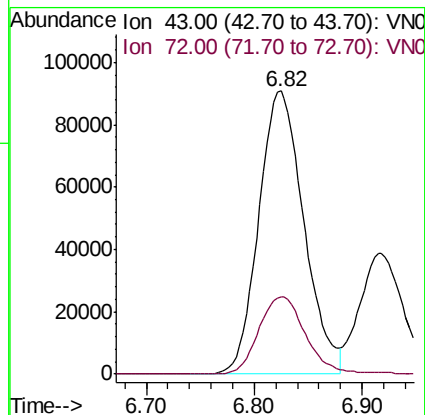
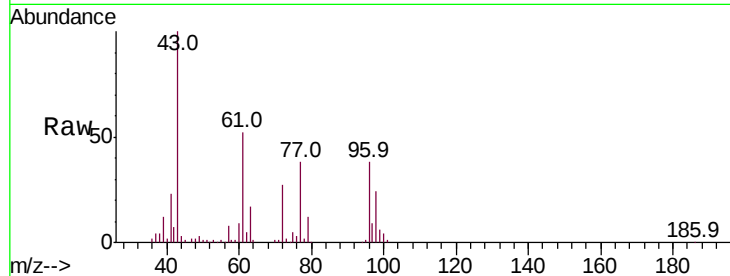
72 27.4 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.343 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057032.D

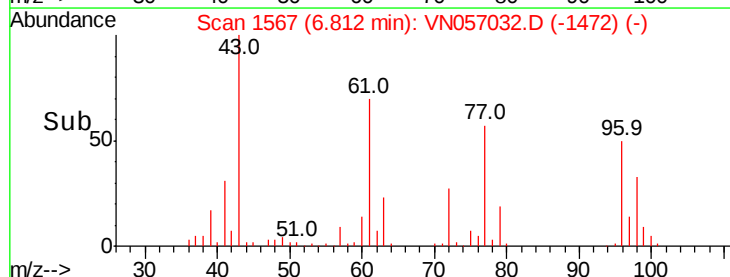
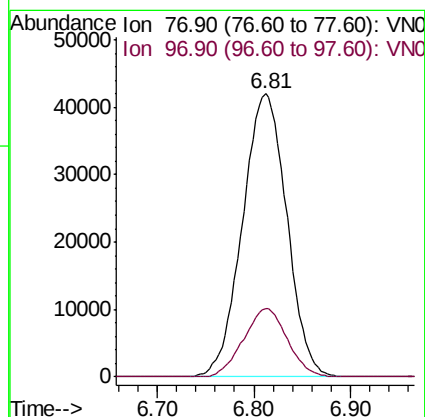
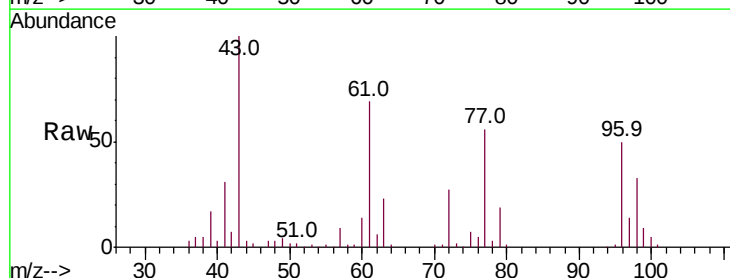
Acq: 1 Aug 2019 13:15

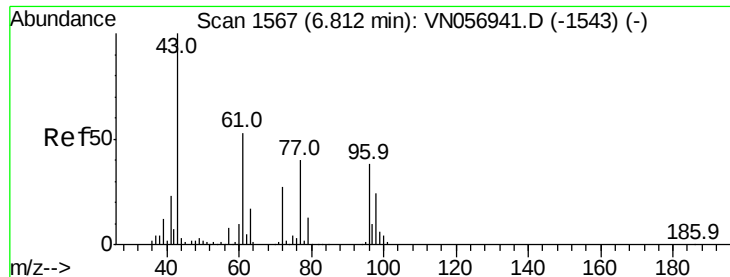
Tgt Ion: 77 Resp: 133648

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.111 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

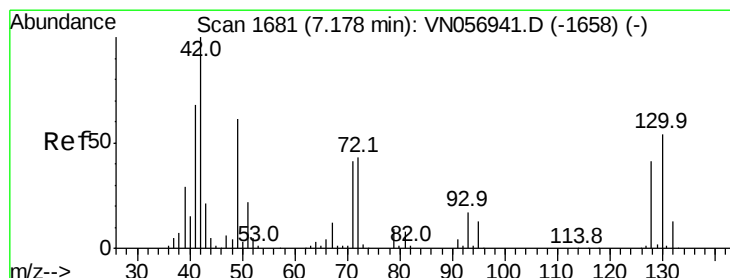
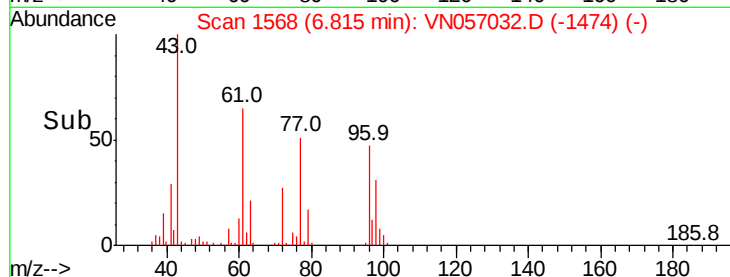
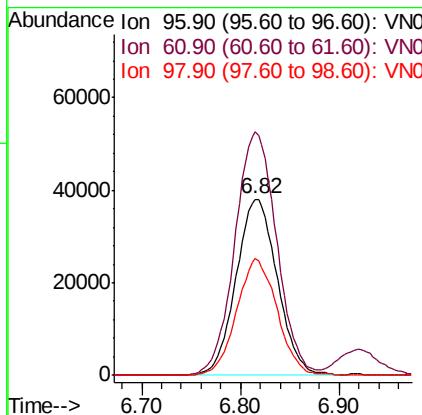
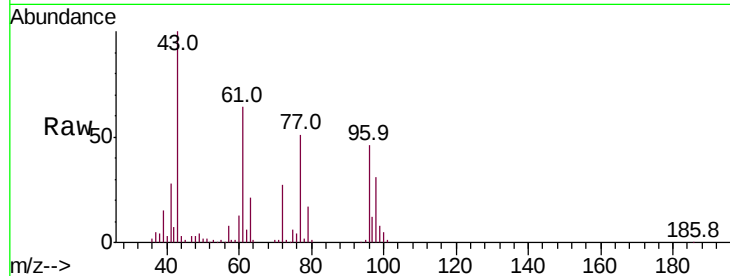
ClientSampleId :

VN0801WBS02

Tot Ion:	96	Resp:	110442
Ion Ratio	Lower	Upper	
96	100		
61	139.8	0.0	277.2
98	64.9	0.0	128.4

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#28

Bromochloromethane

Concen: 19.433 ug/l

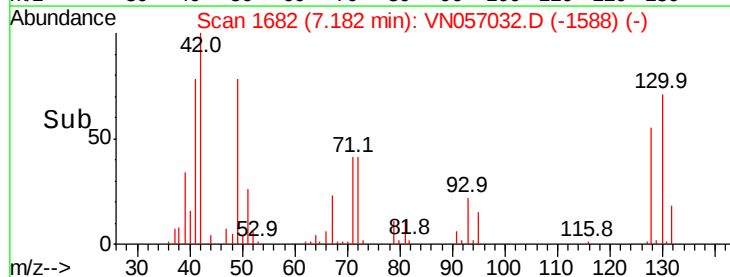
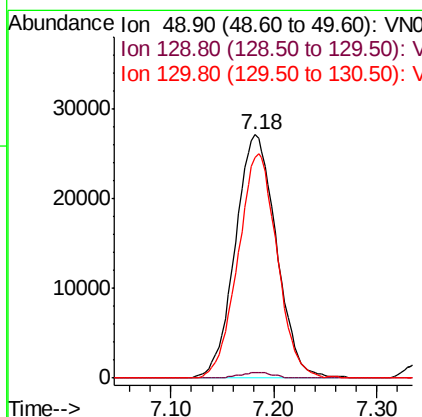
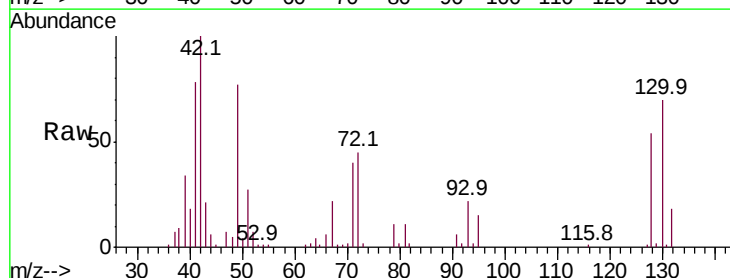
RT: 7.18 min Scan# 1682

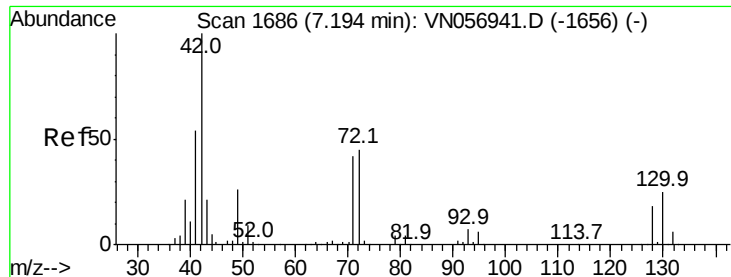
Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion:	49	Resp:	75225
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	4.6
130	87.5	69.0	103.4





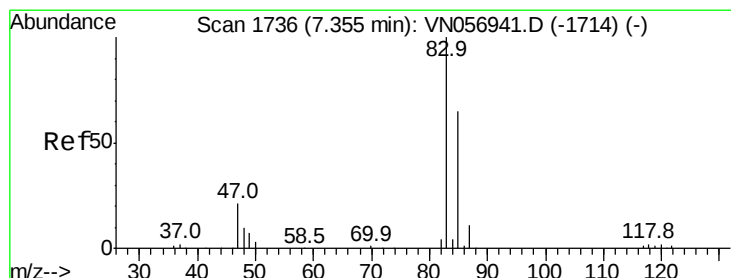
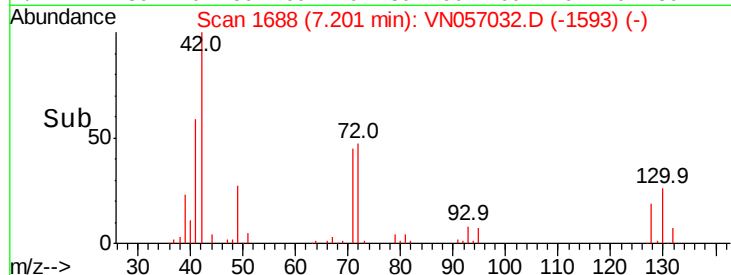
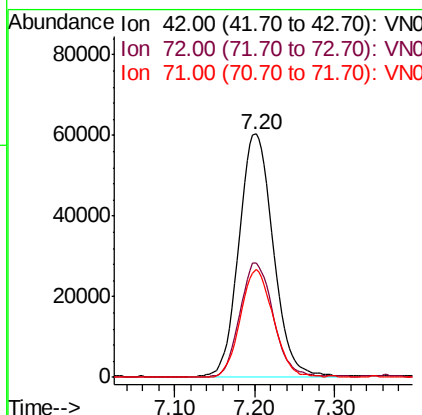
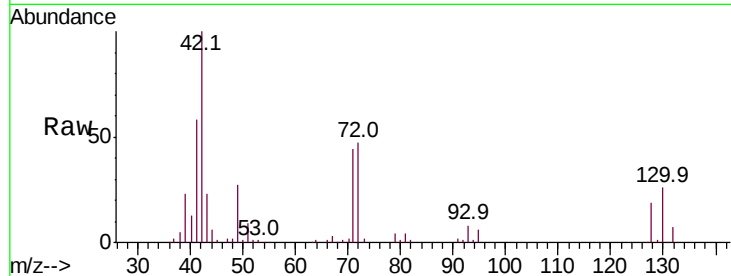
#29
Tetrahydrofuran
Concen: 108.575 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.8	35.6	53.4
71	42.1	33.5	50.3

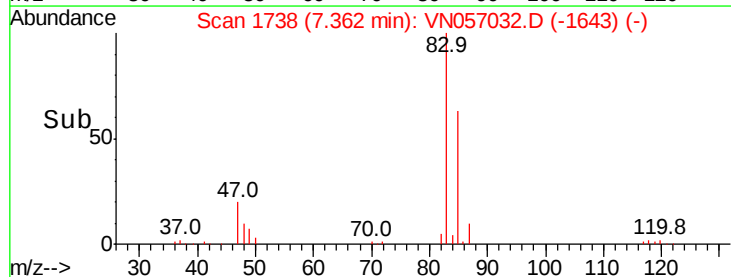
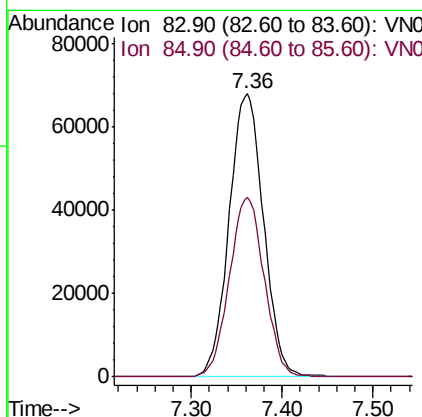
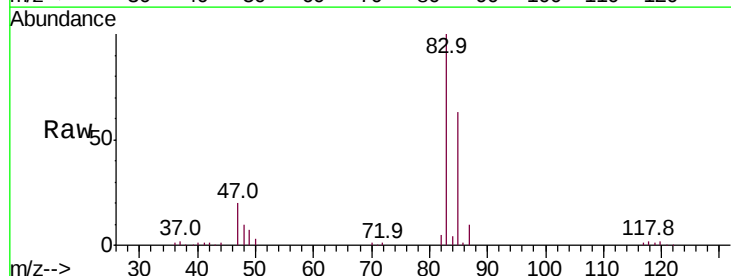
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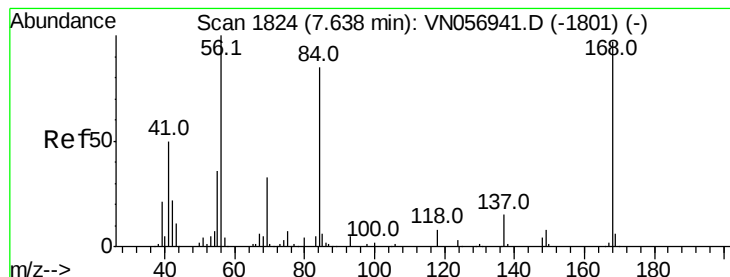
MMDadoda
8/2/2019 11:17:58 AM



#30
Chloroform
Concen: 21.265 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.2	78.2





#31

Cyclohexane

Concen: 20.088 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 56 Resp: 160089

Ion Ratio Lower Upper

56 100

69 36.6 26.2 39.2

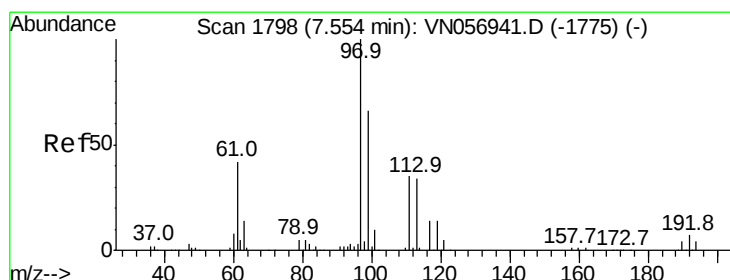
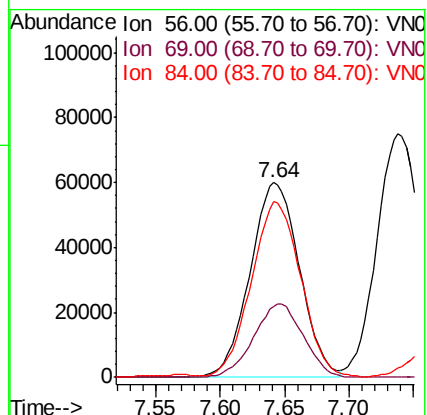
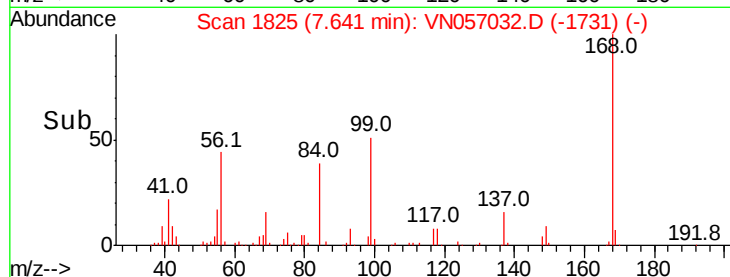
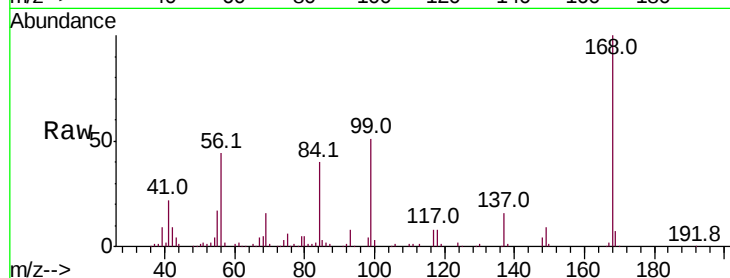
84 88.9 68.2 102.2

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 22.026 ug/l

RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

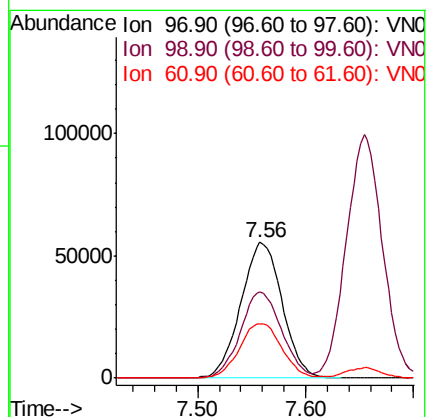
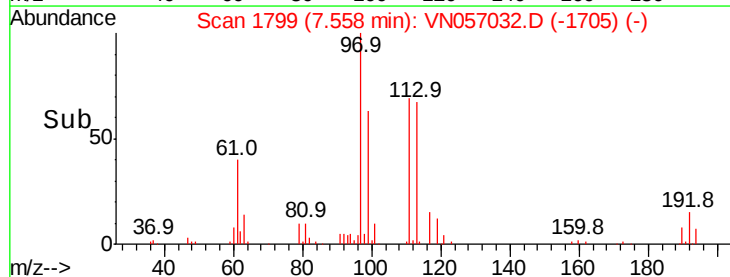
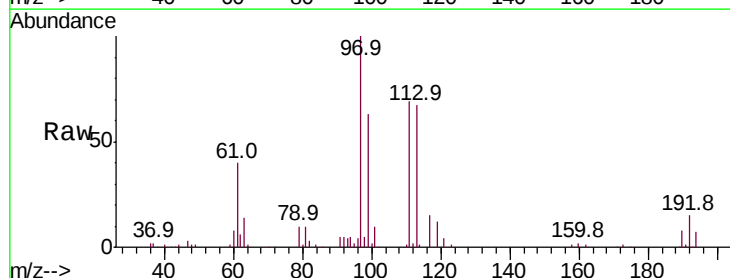
Tgt Ion: 97 Resp: 147982

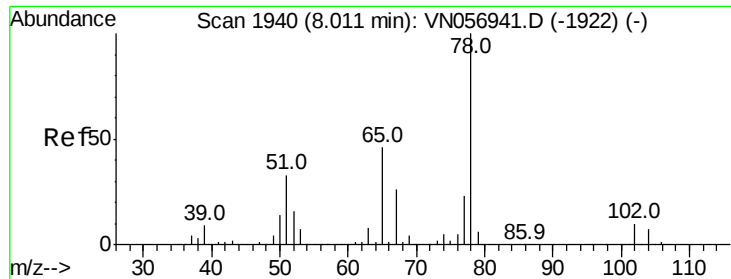
Ion Ratio Lower Upper

97 100

99 63.3 52.3 78.5

61 41.2 33.9 50.9





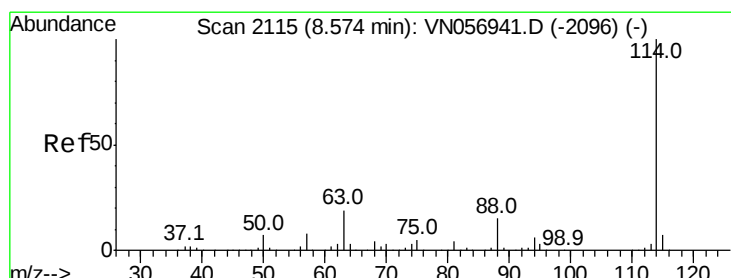
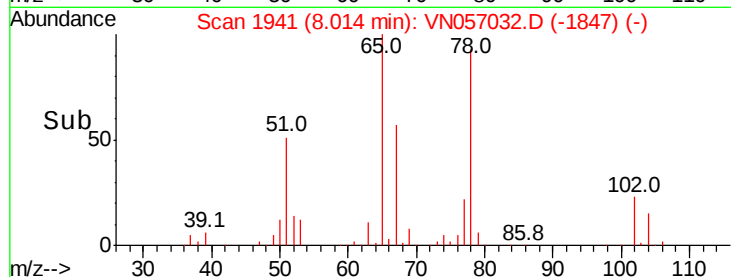
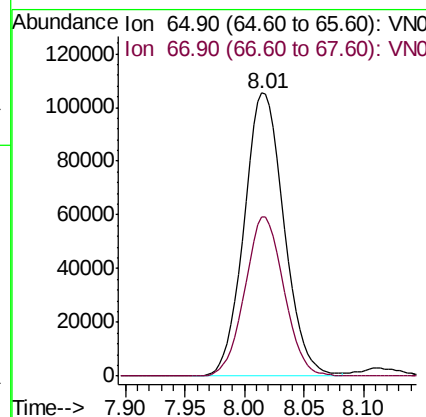
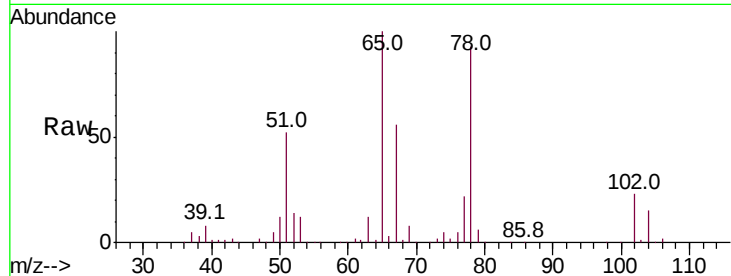
#33
 1,2-Dichloroethane-d4
 Concen: 50.520 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	245025		
67	55.3	0.0	112.0	

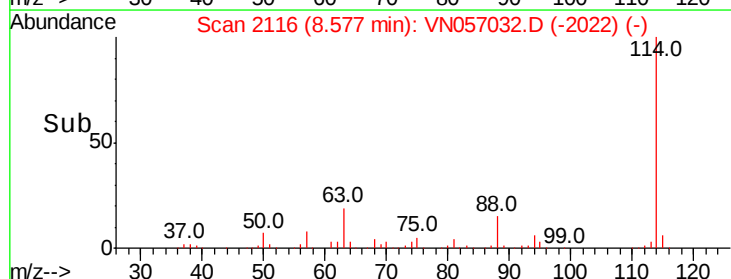
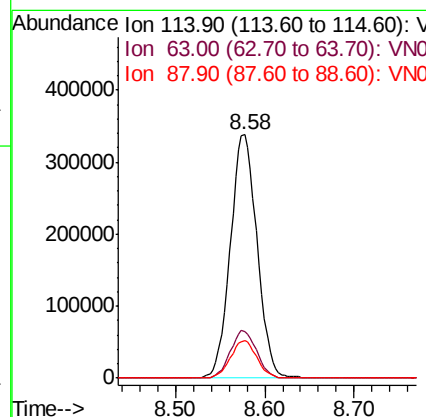
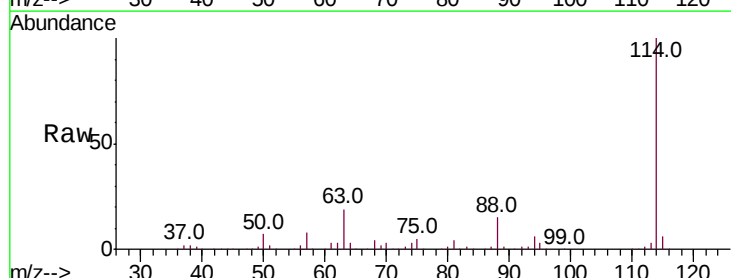
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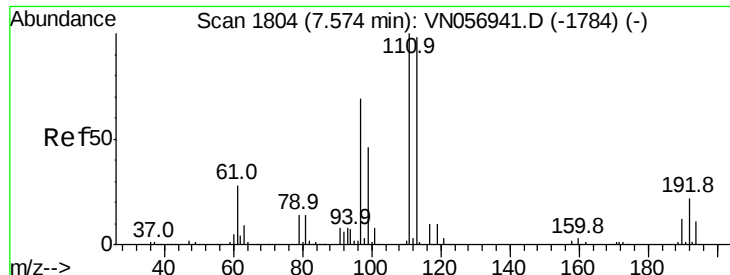
MMDadoda
 8/2/2019 11:17:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	701102		
63	19.3	0.0	38.0	
88	15.4	0.0	30.0	





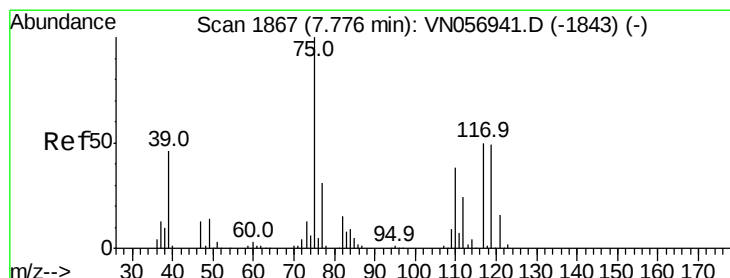
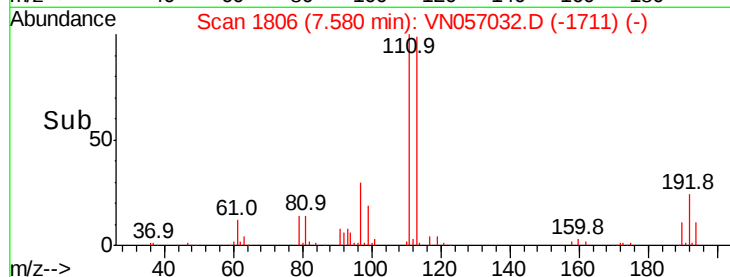
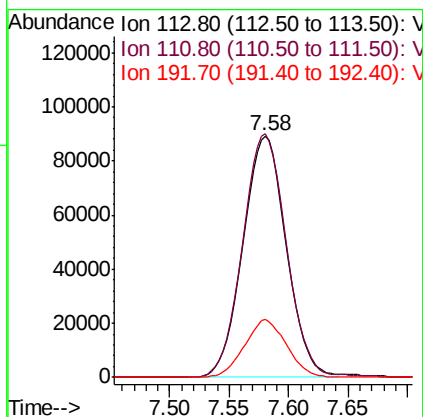
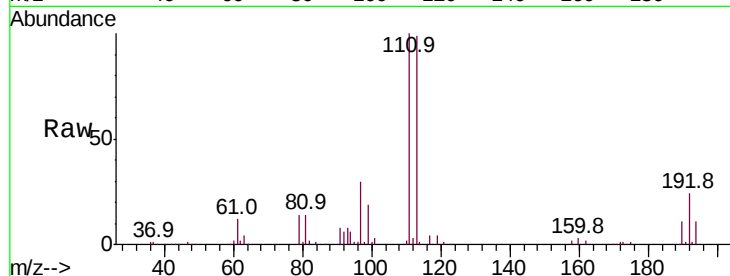
#35
 Dibromofluoromethane
 Concen: 49.992 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. 0.01 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.0	123.0
192	23.2	18.4	27.6

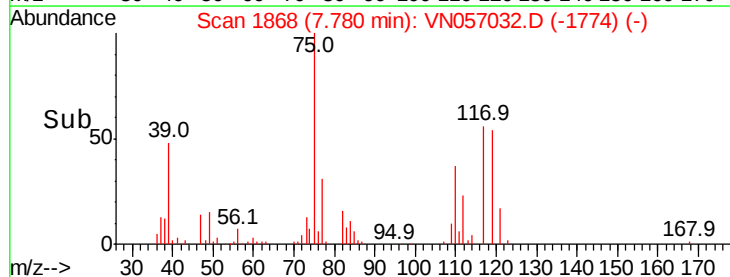
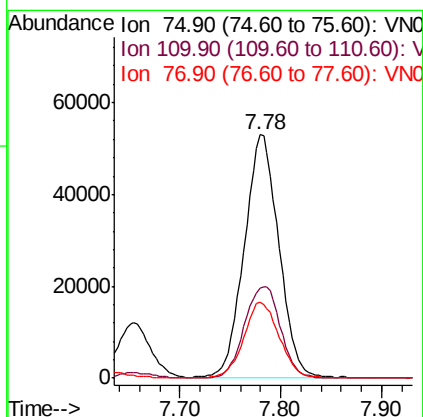
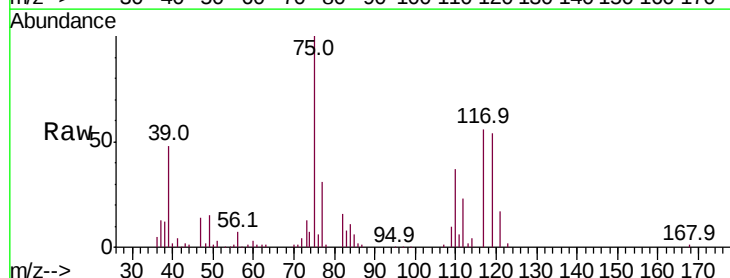
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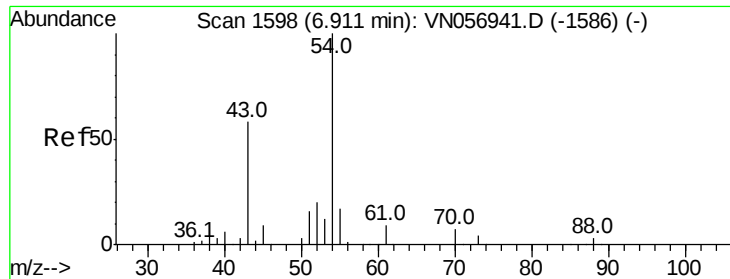
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 20.265 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	18.6	55.8
77	32.1	25.2	37.8





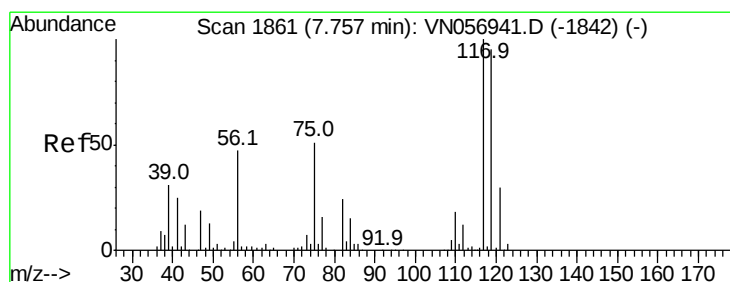
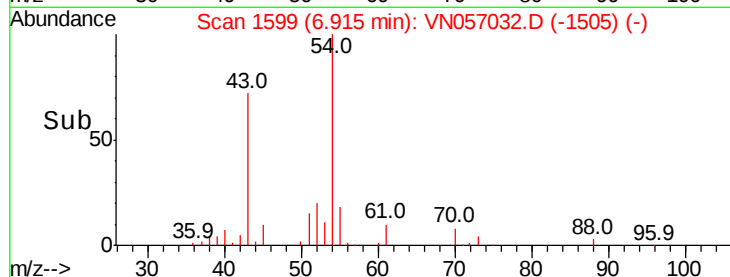
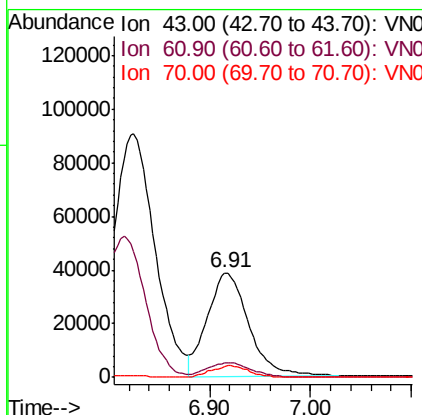
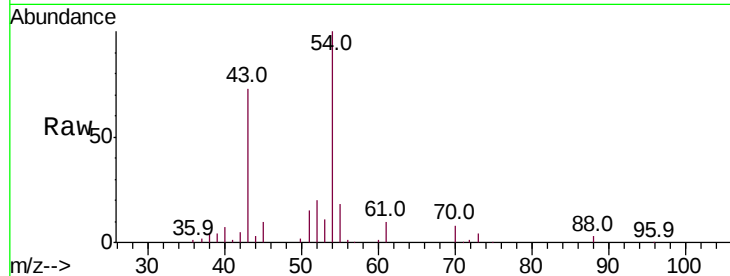
#37
Ethyl Acetate
Concen: 22.088 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.8	17.6
70	10.8	8.5	12.7

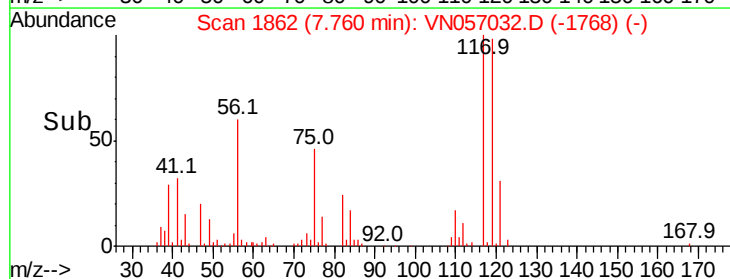
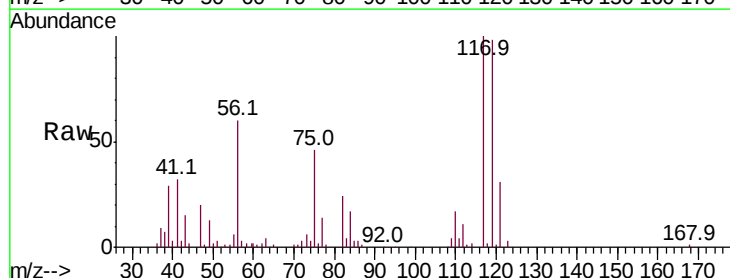
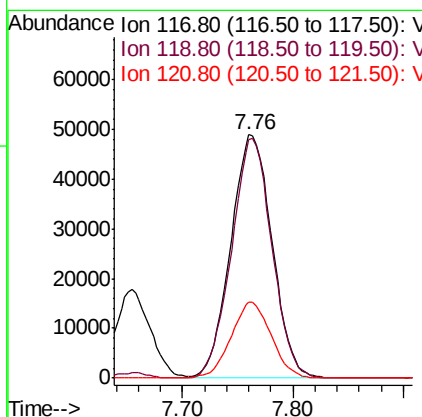
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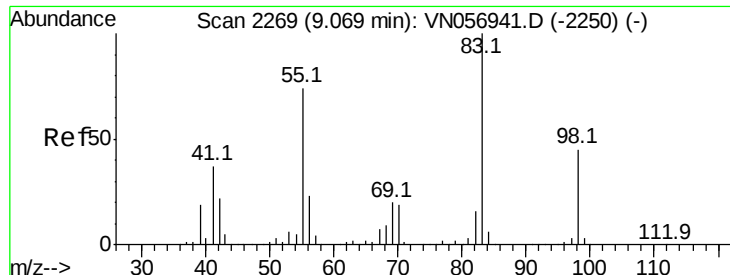
MMDadoda
8/2/2019 11:17:58 AM



#38
Carbon Tetrachloride
Concen: 21.763 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.3	112.9
121	31.4	24.2	36.4





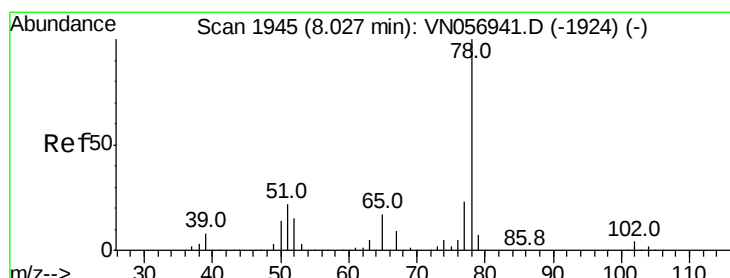
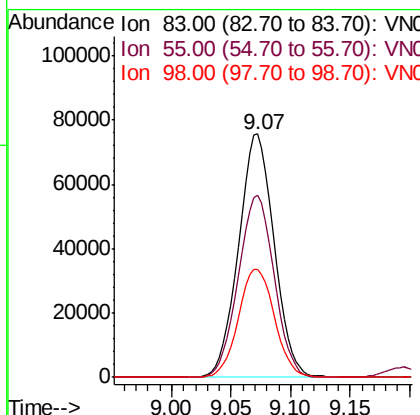
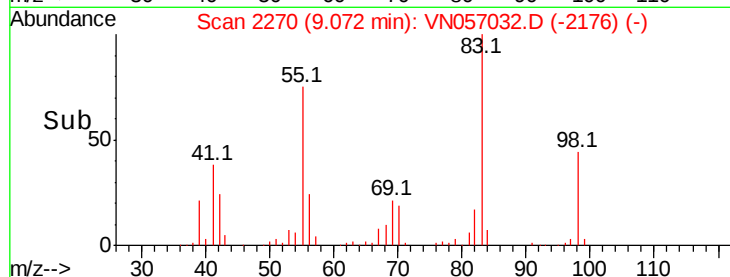
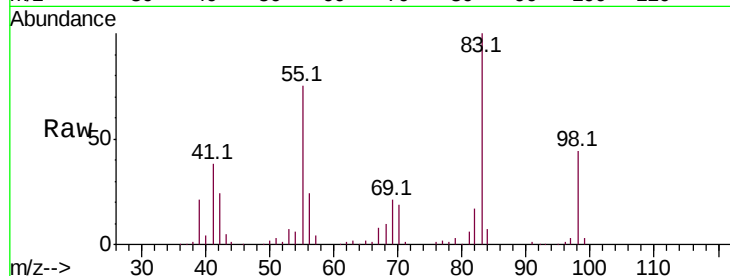
#39
Methvlcvclohexane
Concen: 19.908 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.0	88.6
98	44.1	36.2	54.4

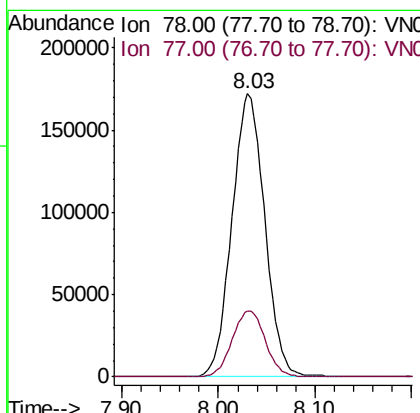
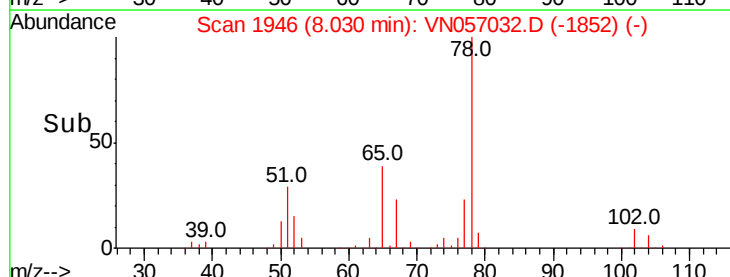
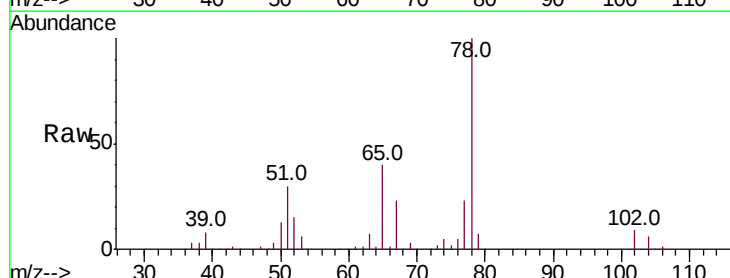
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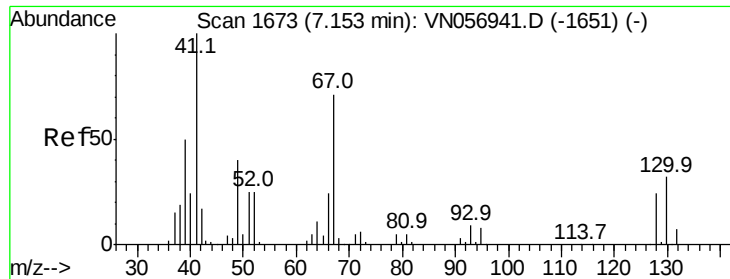
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#40
Benzene
Concen: 21.352 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





#41

Methacrylonitrile

Concen: 24.529 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion: 41 Resp: 56028

Ion Ratio Lower Upper

41 100

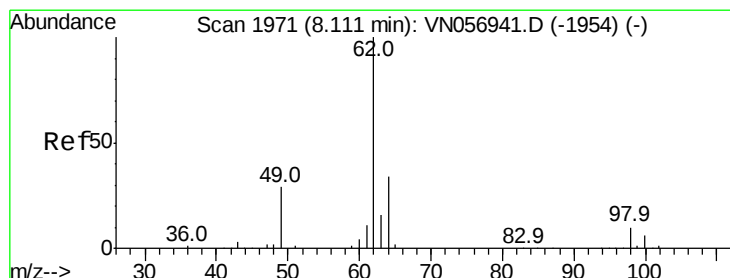
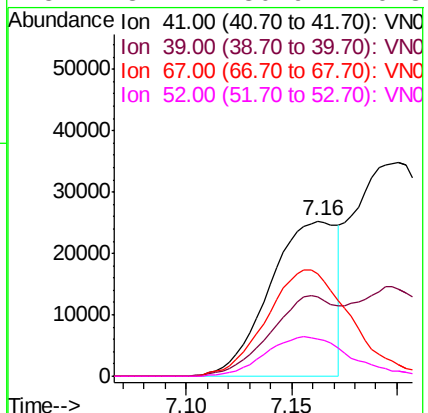
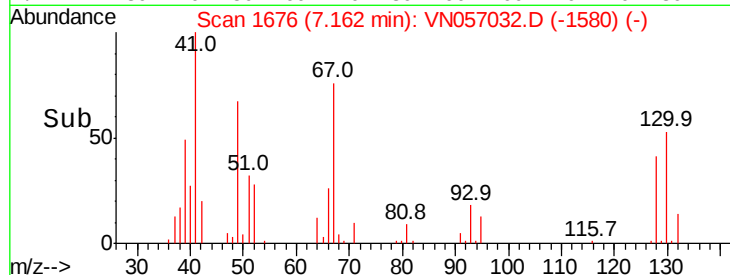
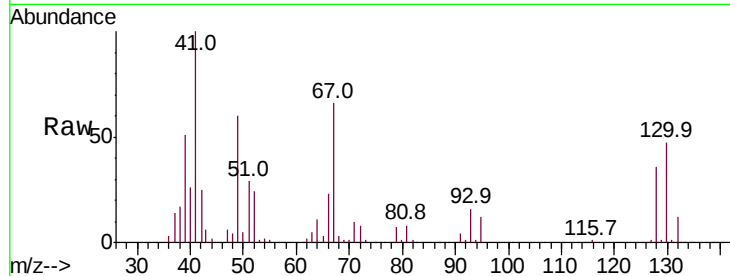
39 49.8 48.9 73.3

67 86.2 83.4 125.0

52 32.7 30.9 46.3

Manual Integrations
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8/2/2019 11:17:58 AM



#42

1,2-Dichloroethane

Concen: 21.943 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057032.D

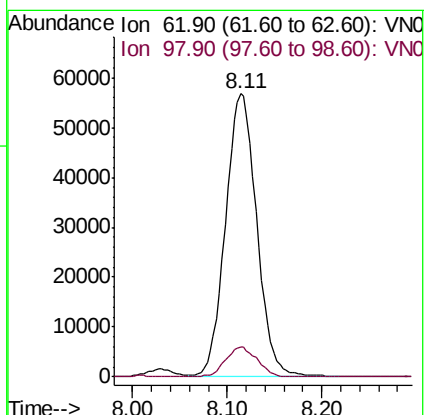
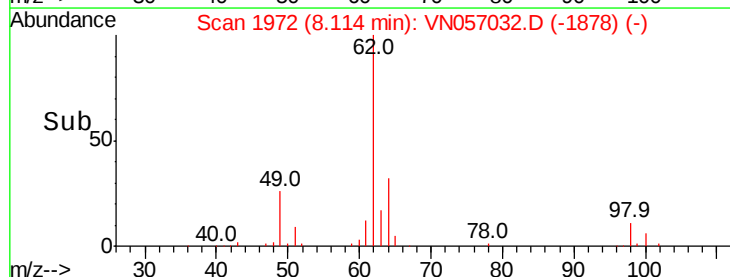
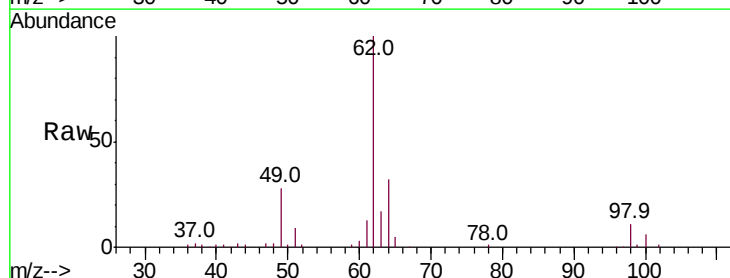
Acq: 1 Aug 2019 13:15

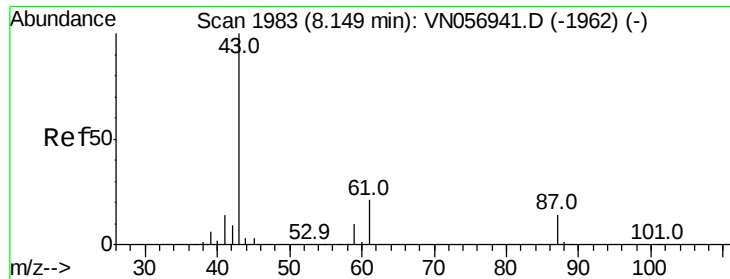
Tgt Ion: 62 Resp: 130678

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.6





#43

Isopropyl Acetate

Concen: 21.326 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

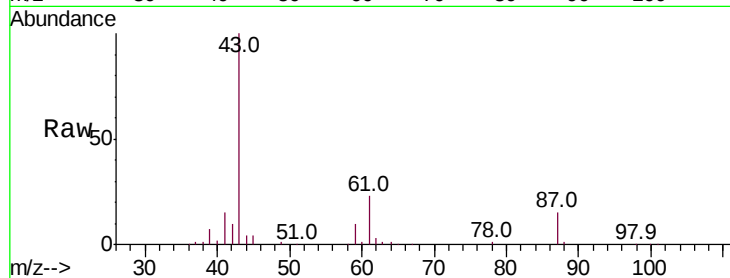
ClientSampleId :

VN0801WBS02

Tot Ion:	43	Resp:	174160
Ion	Ratio	Lower	Upper
43	100		
61	23.2	23.0	34.6
87	14.4	11.7	17.5

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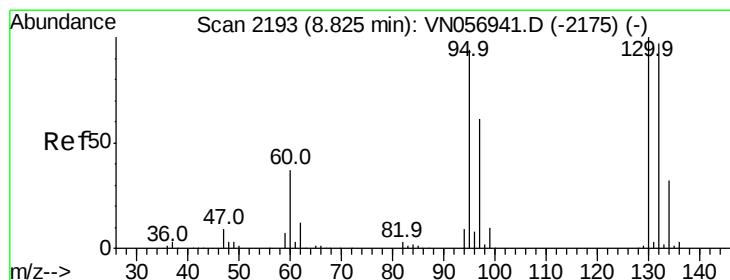
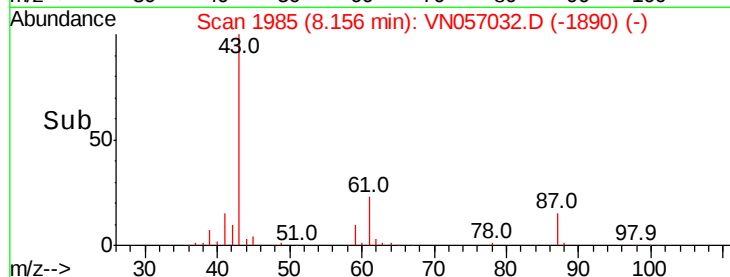
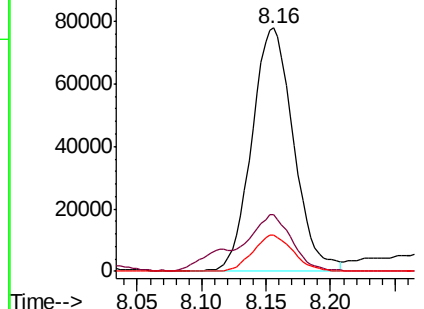
MMDadoda
8/2/2019 11:17:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 21.128 ug/l

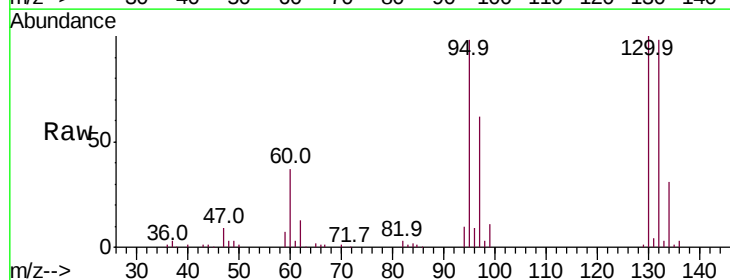
RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057032.D

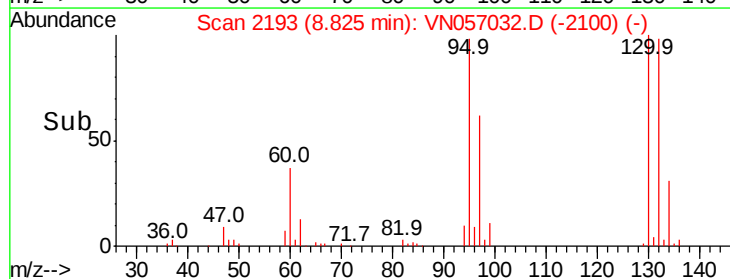
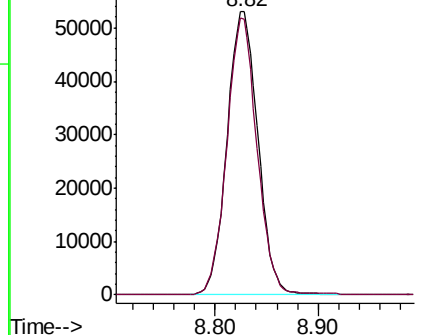
Acq: 1 Aug 2019 13:15

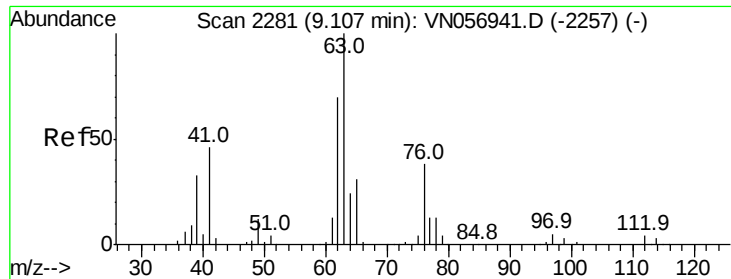
Tgt Ion:	130	Resp:	110600
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.328 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion: 63 Resp: 108398

Ion Ratio Lower Upper

63 100

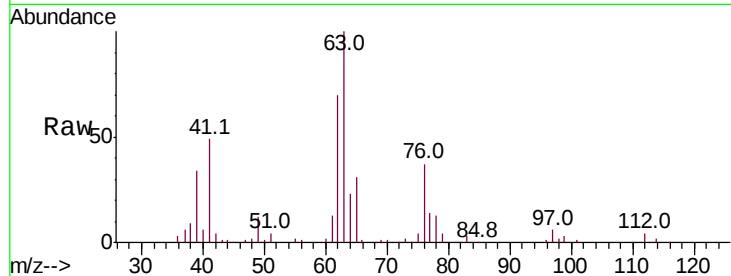
65 30.9 24.8 37.2

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

60000

50000

40000

30000

20000

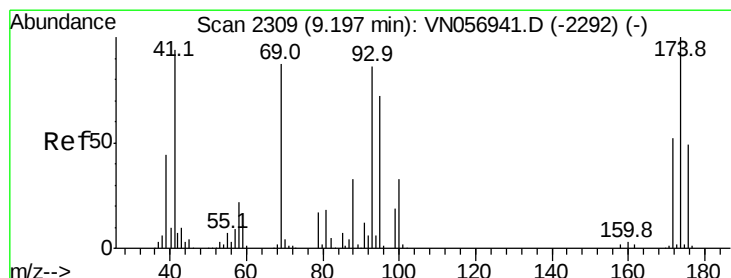
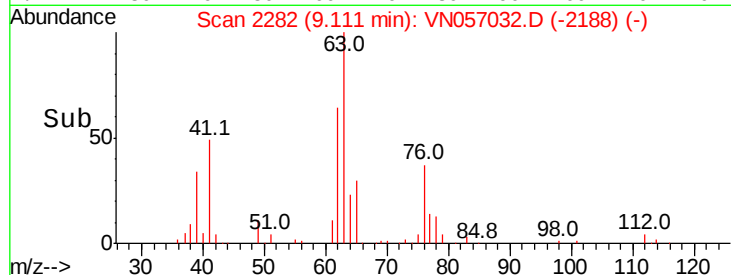
10000

0

9.11

9.00 9.05 9.10 9.15 9.20

Time-->



#46

Dibromomethane

Concen: 22.564 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

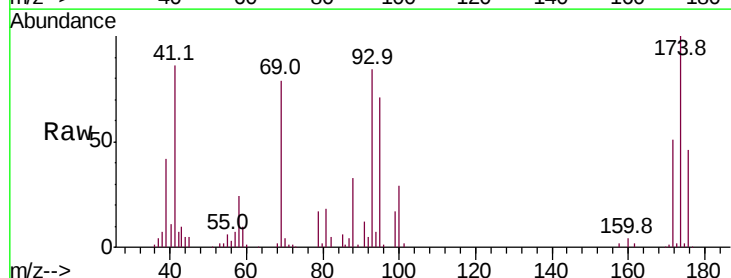
Tgt Ion: 93 Resp: 69160

Ion Ratio Lower Upper

93 100

95 83.5 67.0 100.6

174 116.2 92.7 139.1



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

50000

40000

30000

20000

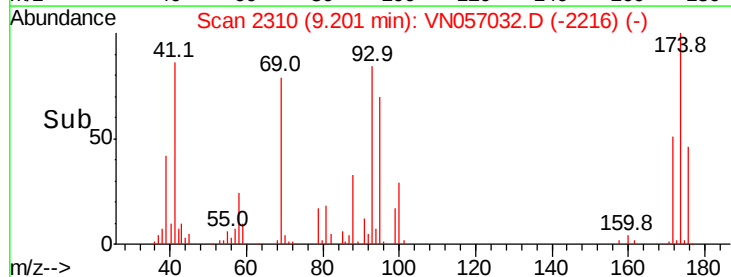
10000

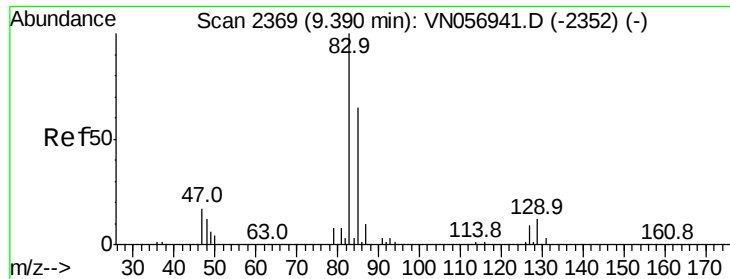
0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->





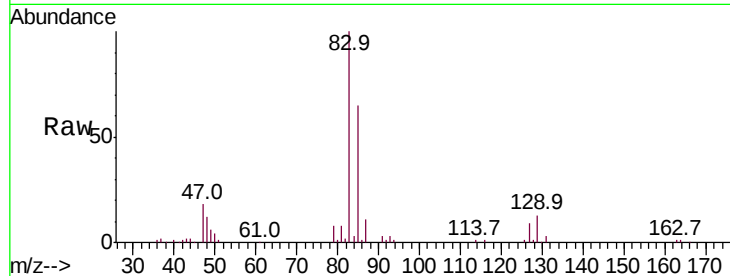
#47
Bromodichloromethane
Concen: 21.826 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

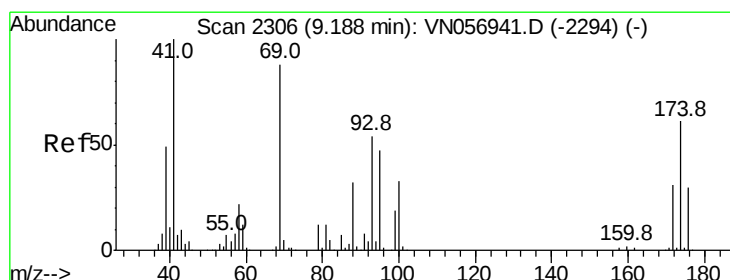
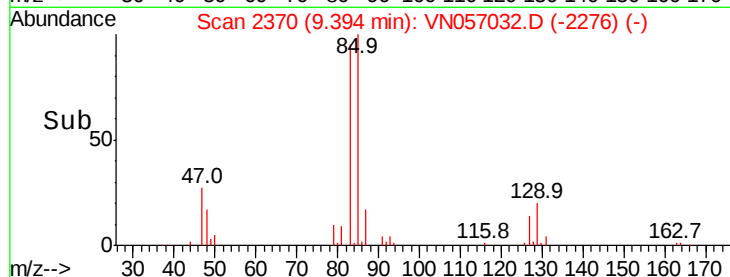
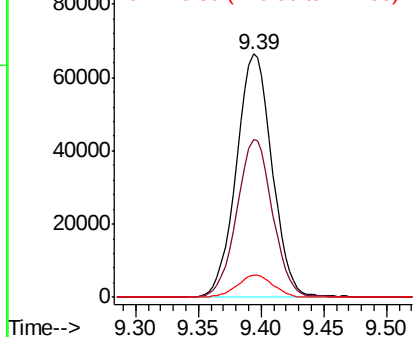
Tot Ion	83	Resp	131532
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.6	77.4
127	9.0	7.3	10.9

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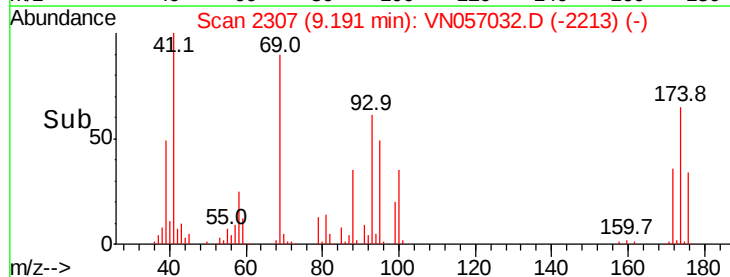
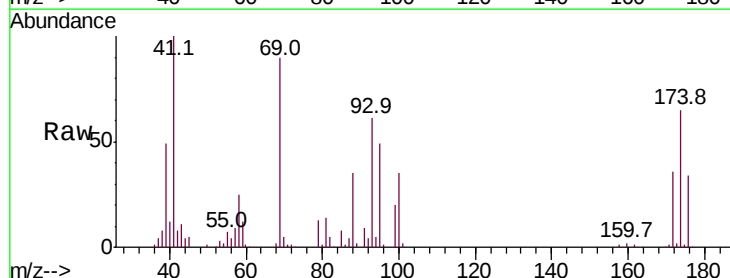
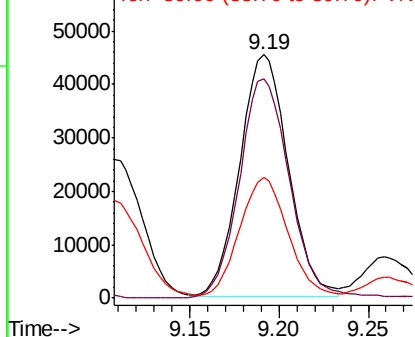
Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

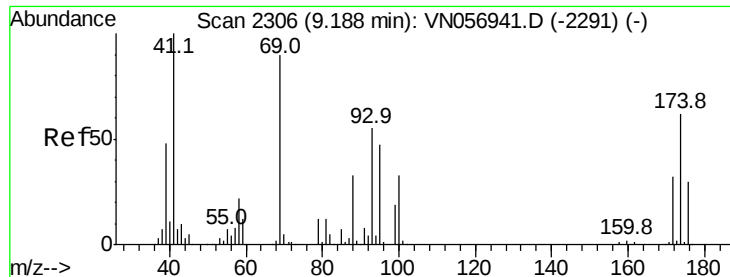


#48
Methyl methacrylate
Concen: 21.828 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	41	Resp	86062
Ion Ratio	100	Lower	Upper
41	100		
69	94.6	73.4	110.0
39	49.8	39.9	59.9

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





#49

1,4-Dioxane

Concen: 448.451 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 88 Resp: 36438

Ion Ratio Lower Upper

88 100

43 27.4 22.2 33.2

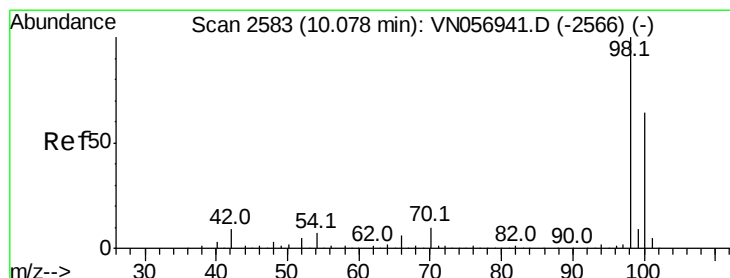
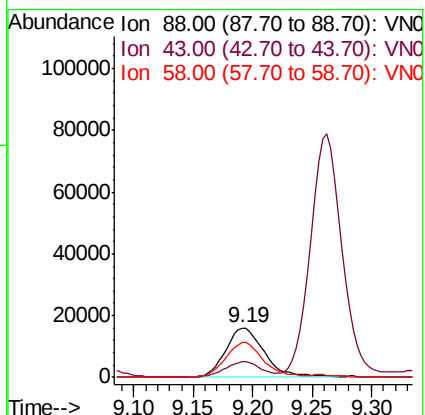
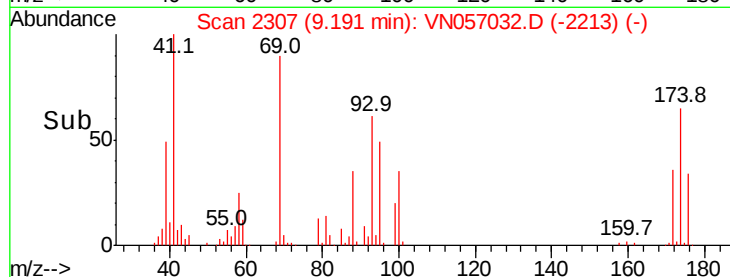
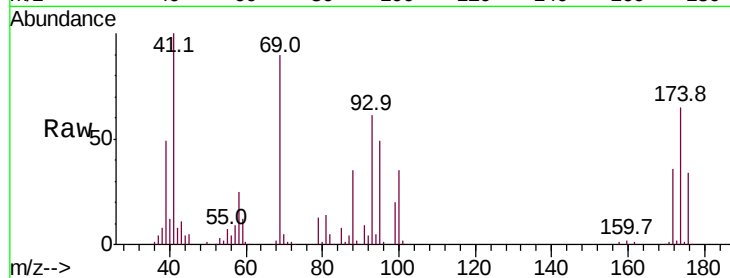
58 68.4 54.1 81.1

Manual Integrations

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#50

Toluene-d8

Concen: 49.009 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057032.D

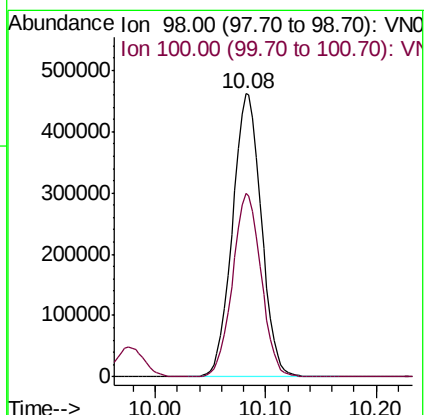
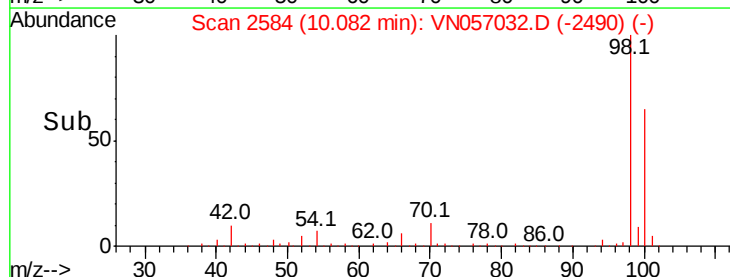
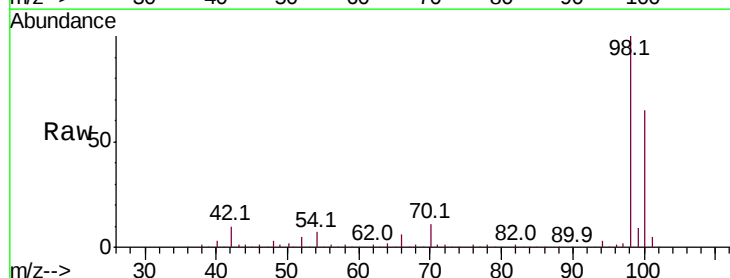
Acq: 1 Aug 2019 13:15

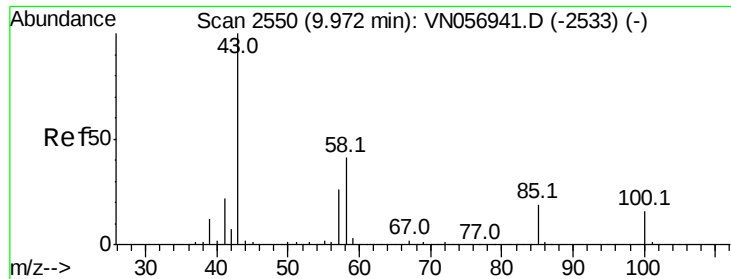
Tgt Ion: 98 Resp: 838826

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 109.611 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 43 Resp: 531864

Ion Ratio Lower Upper

43 100

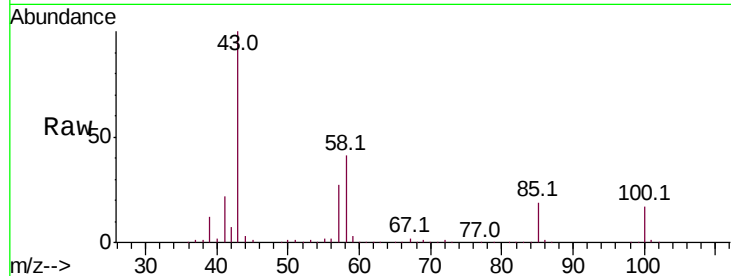
58 41.3 33.1 49.7

Manual Integrations

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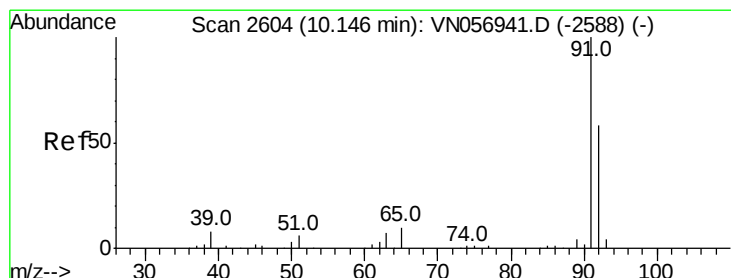
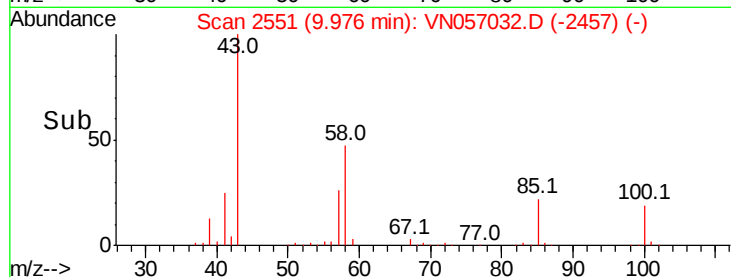
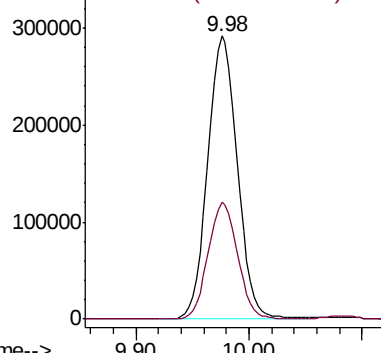
MMDadoda

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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: 21.665 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057032.D

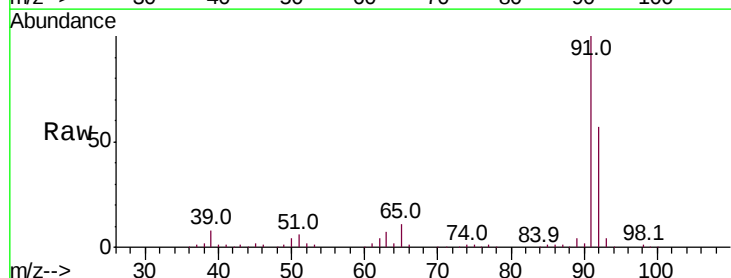
Acq: 1 Aug 2019 13:15

Tgt Ion: 92 Resp: 247332

Ion Ratio Lower Upper

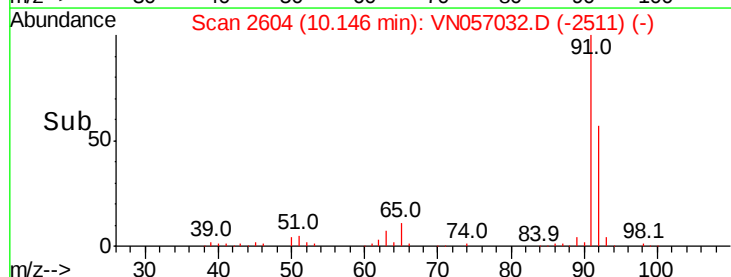
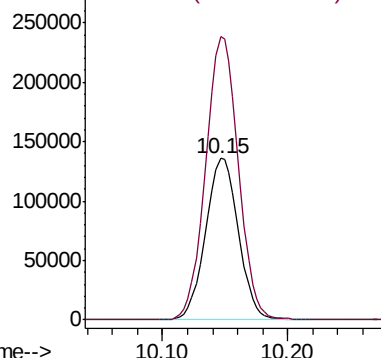
92 100

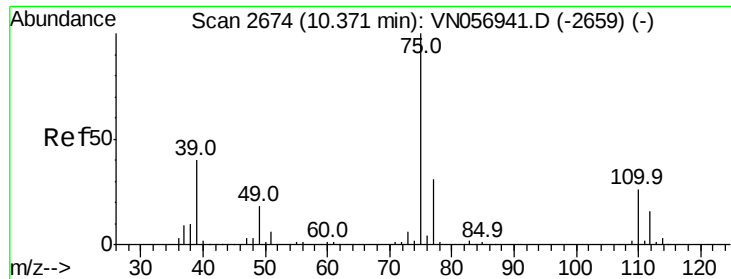
91 175.2 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





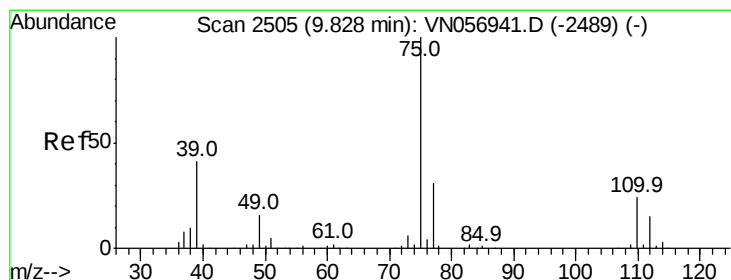
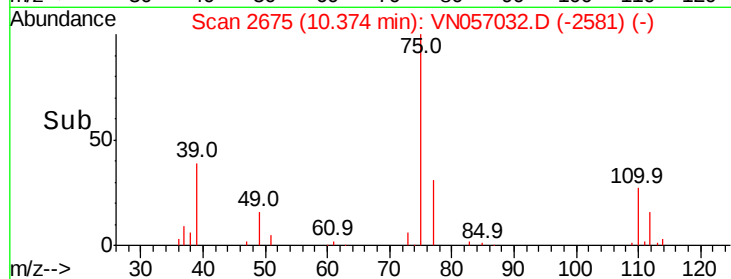
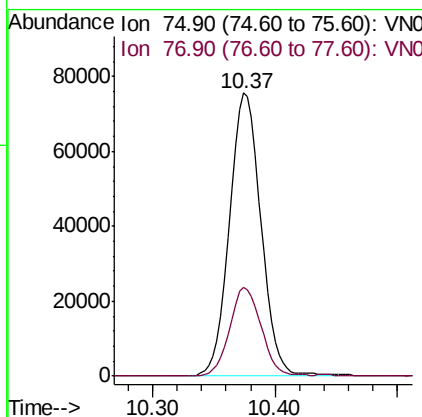
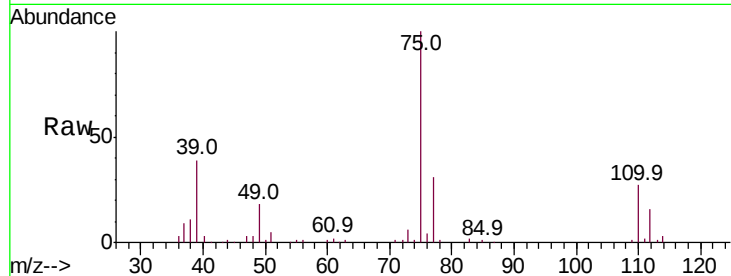
#53
t-1,3-Dichloropropene
Concen: 21.773 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion: 75 Resp: 136158
Ion Ratio Lower Upper
75 100
77 31.5 25.1 37.7

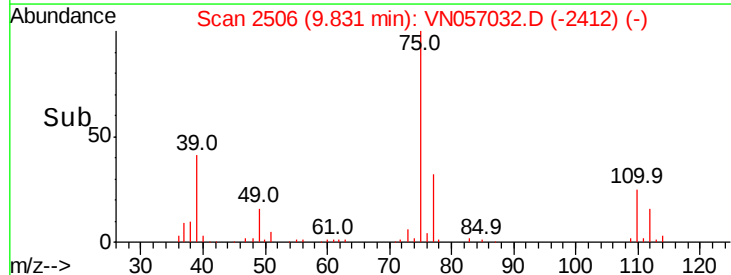
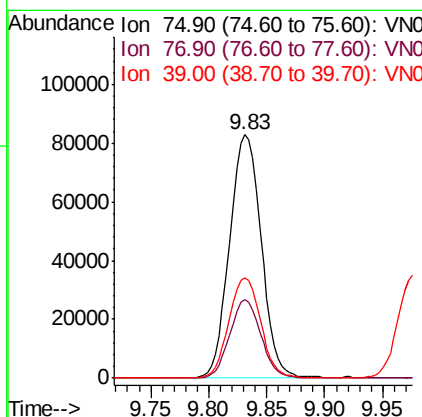
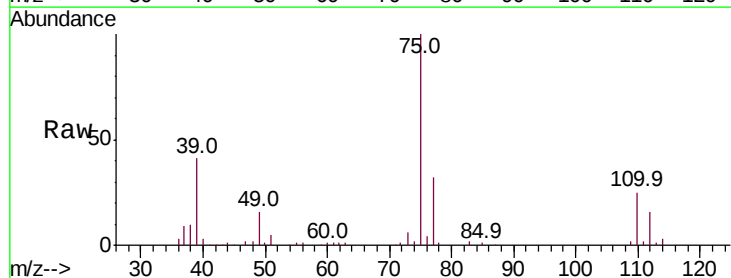
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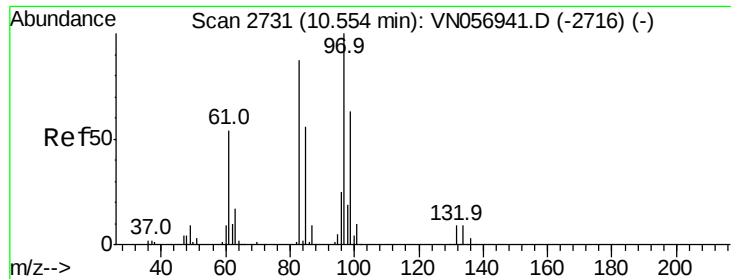
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#54
cis-1,3-Dichloropropene
Concen: 21.560 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 75 Resp: 156761
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6
39 41.2 32.6 49.0





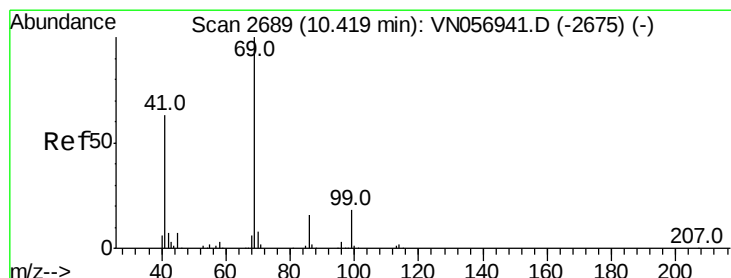
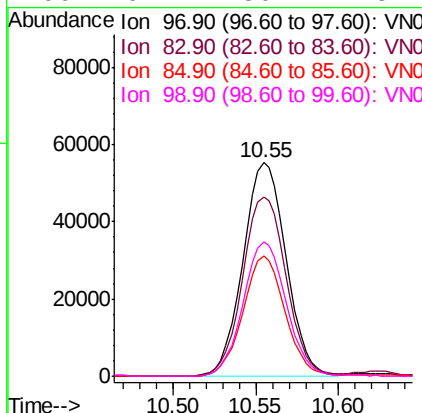
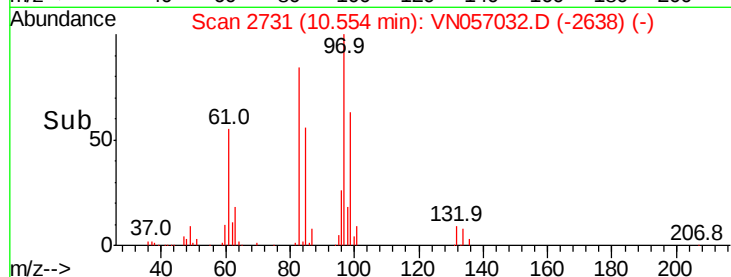
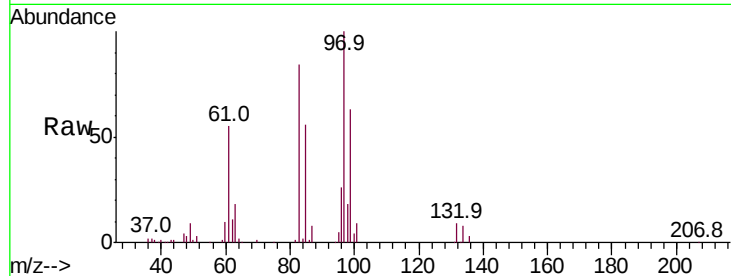
#55
 1,1,2-Trichloroethane
 Concen: 21.892 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Resp	Lower	Upper
97	100	100230		
83	84.1	69.4	104.0	
85	56.1	44.7	67.1	
99	62.7	50.1	75.1	

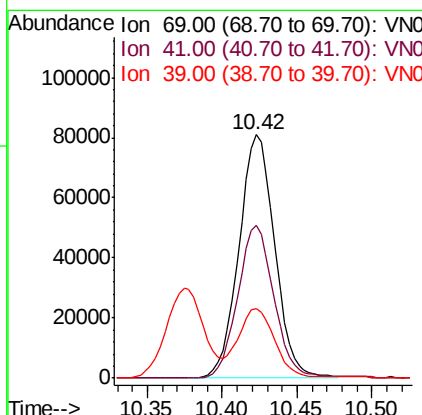
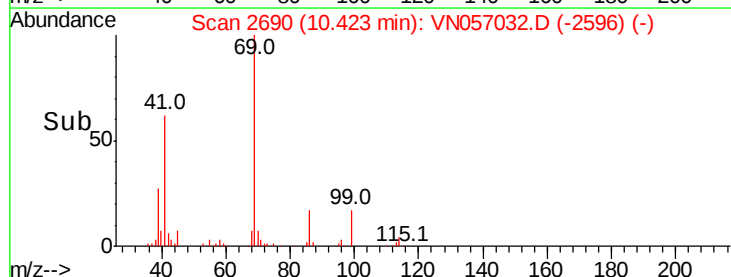
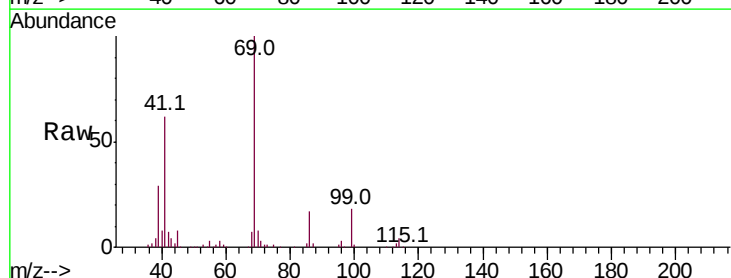
Manual Integrations
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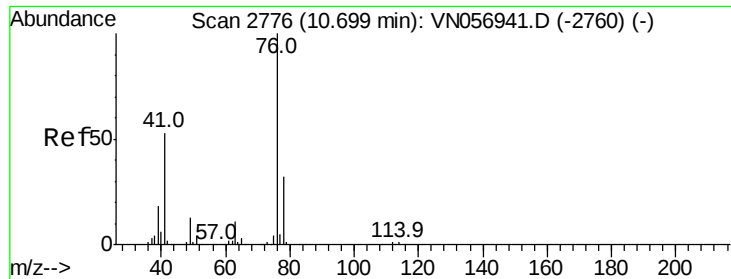
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#56
 Ethyl methacrylate
 Concen: 20.612 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	135098		
41	62.6	49.2	73.8	
39	28.1	23.1	34.7	





#57

1,3-Dichloropropane

Concen: 21.782 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 76 Resp: 165364

Ion Ratio Lower Upper

76 100

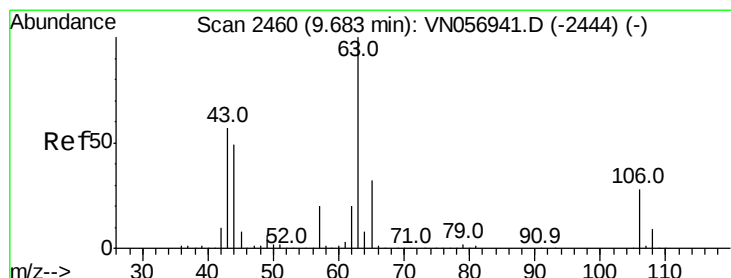
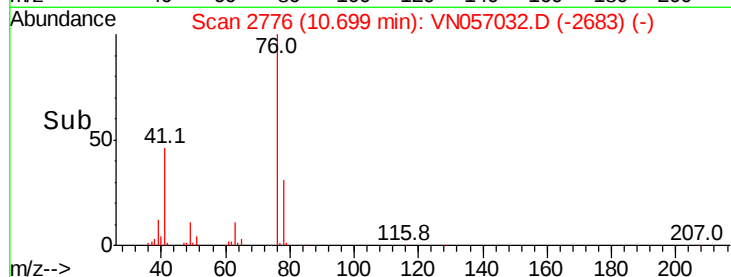
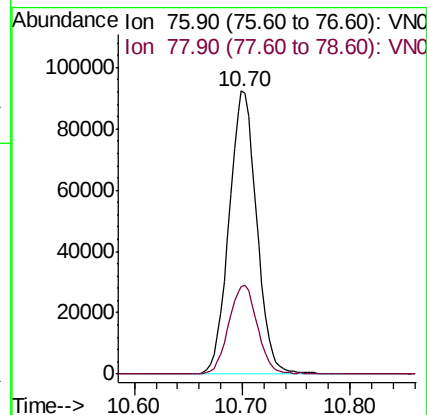
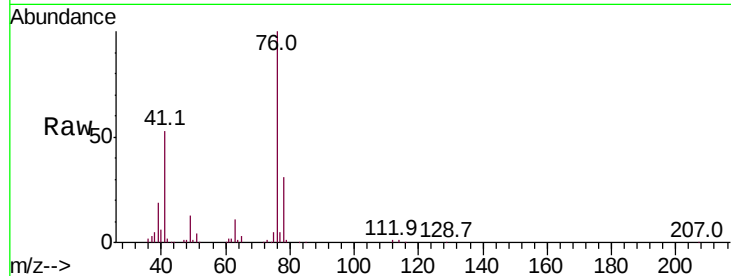
78 32.6 25.9 38.9

Manual Integrations

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8/2/2019 11:17:58 AM



#58

2-Chloroethyl Vinyl ether

Concen: 76.752 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN057032.D

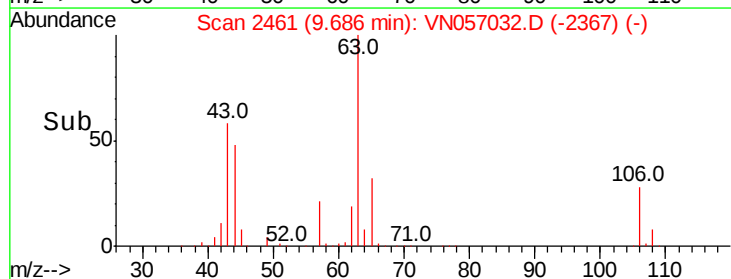
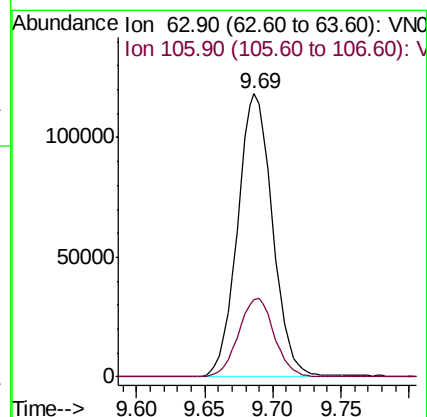
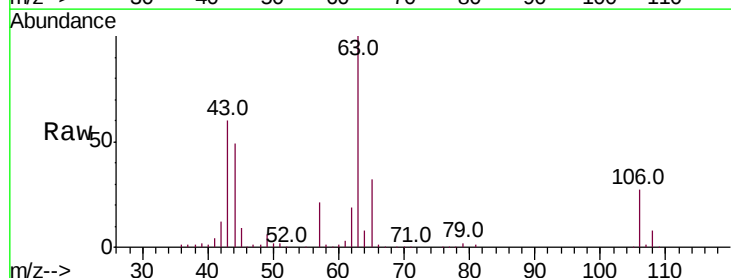
Acq: 1 Aug 2019 13:15

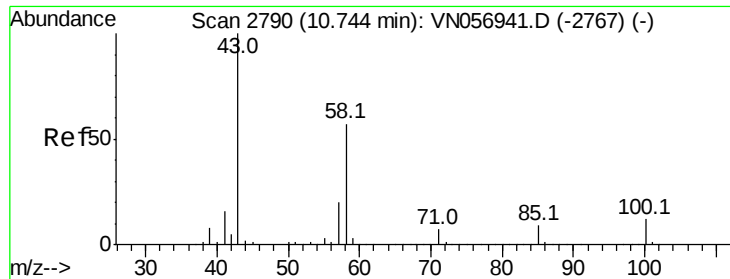
Tgt Ion: 63 Resp: 210571

Ion Ratio Lower Upper

63 100

106 28.5 22.0 33.0





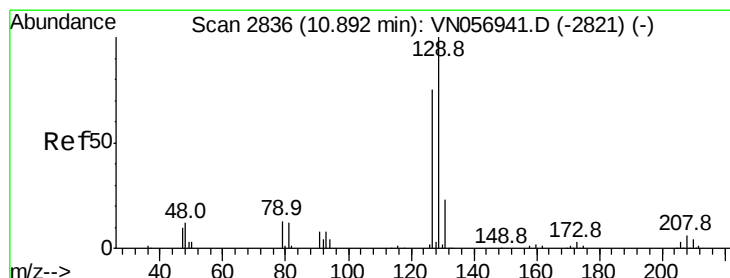
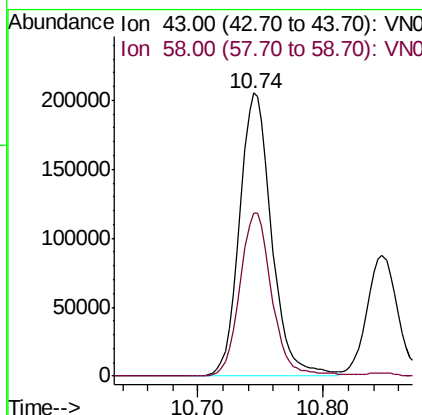
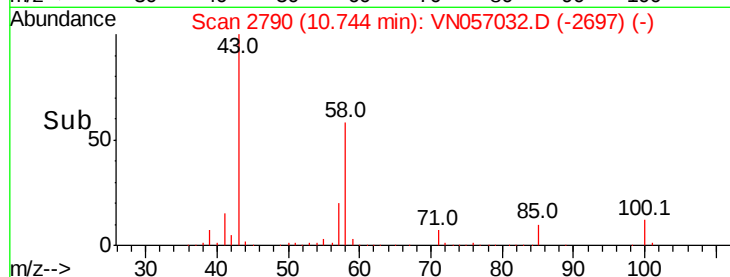
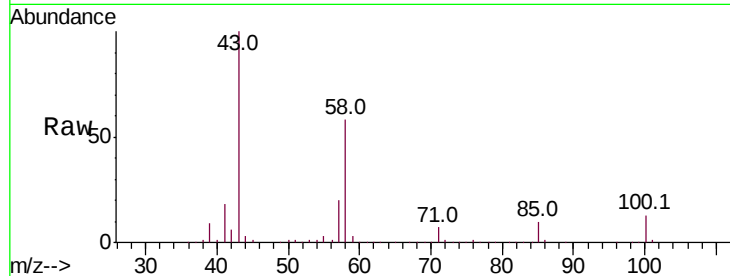
#59
2-Hexanone
Concen: 99.351 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion: 43 Resp: 365562
Ion Ratio Lower Upper
43 100
58 57.6 28.5 85.5

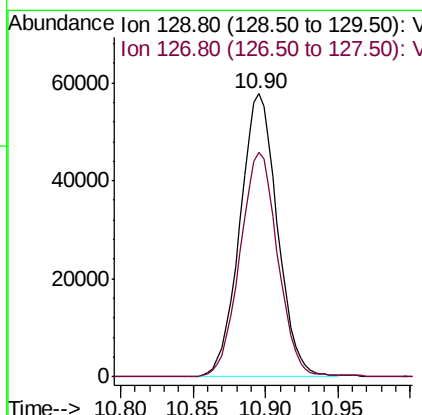
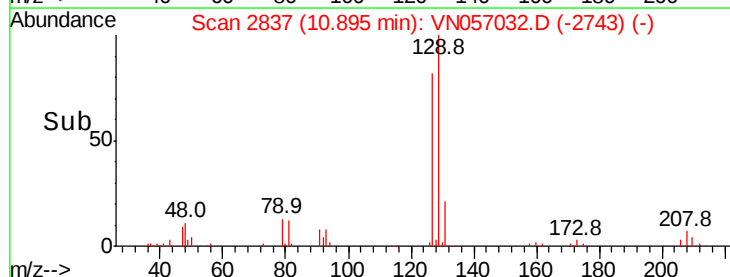
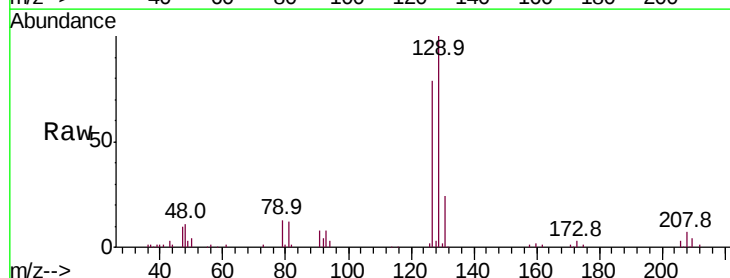
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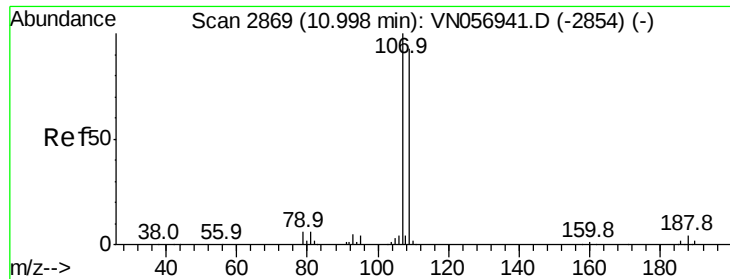
MMDadoda
8/2/2019 11:17:58 AM



#60
Dibromochloromethane
Concen: 22.152 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 129 Resp: 103906
Ion Ratio Lower Upper
129 100
127 79.9 38.0 113.9





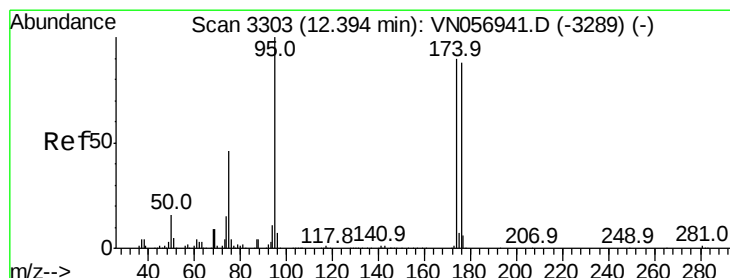
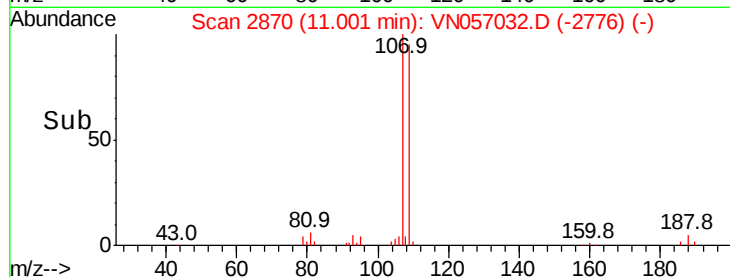
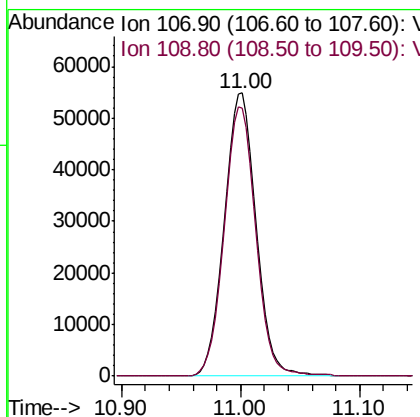
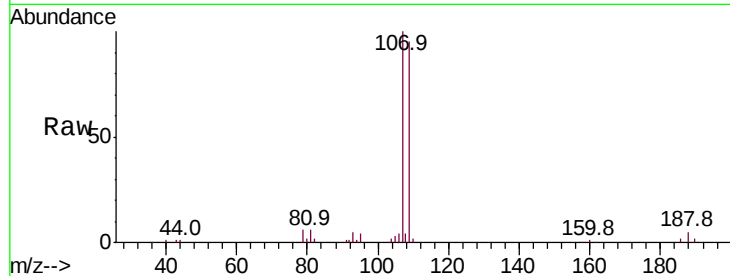
#61
 1,2-Dibromoethane
 Concen: 22.670 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.0	114.0

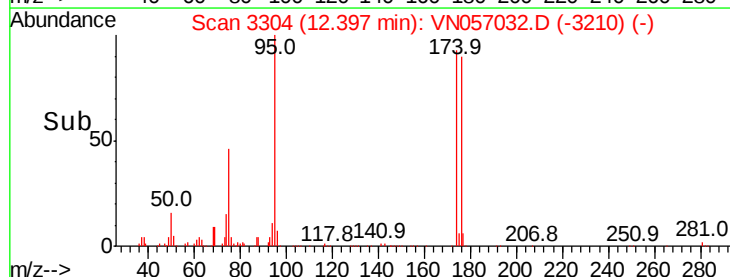
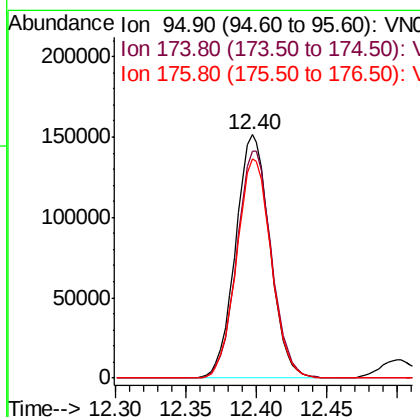
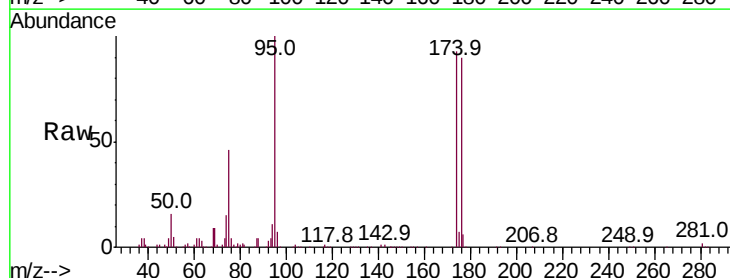
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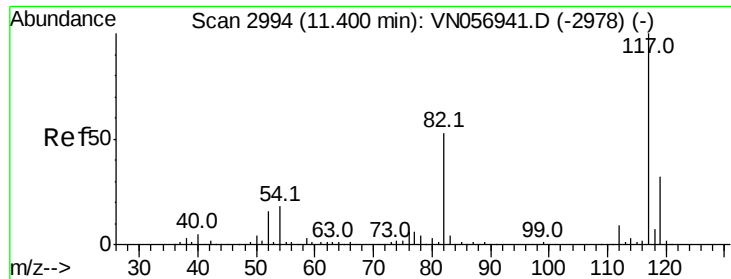
MMDadoda
 8/2/2019 11:17:58 AM



#62
 4-Bromofluorobenzene
 Concen: 46.448 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	182.2
176	90.6	0.0	179.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

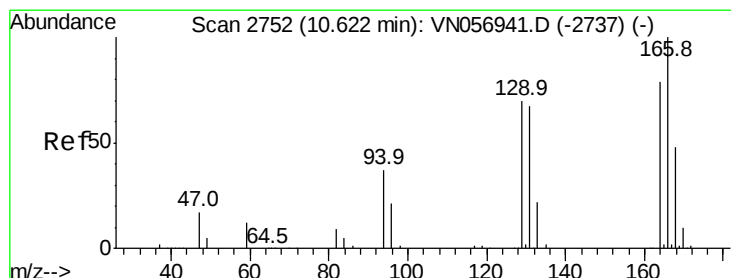
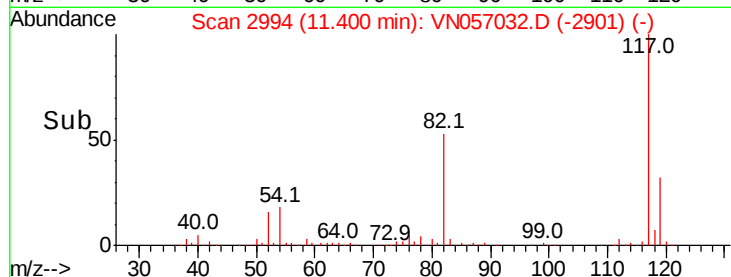
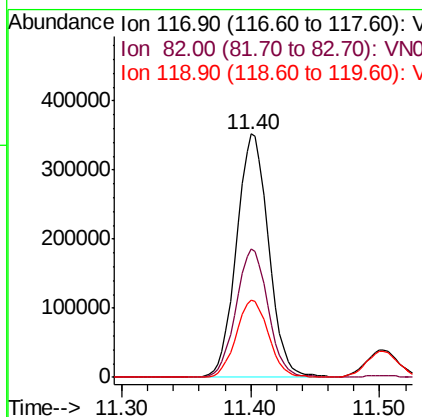
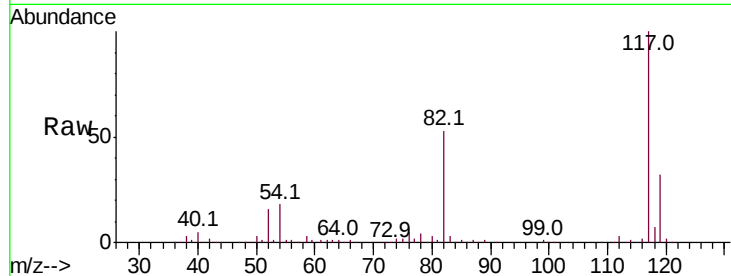
ClientSampleId :

VN0801WBS02

Tot Ion:	117	Resp:	610623
Ion Ratio	Lower	Upper	
117	100		
82	52.8	42.2	63.4
119	31.8	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 21.875 ug/l

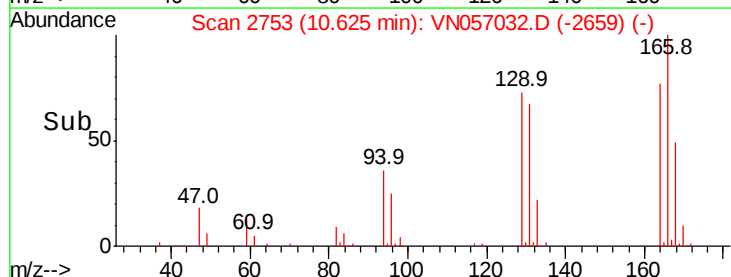
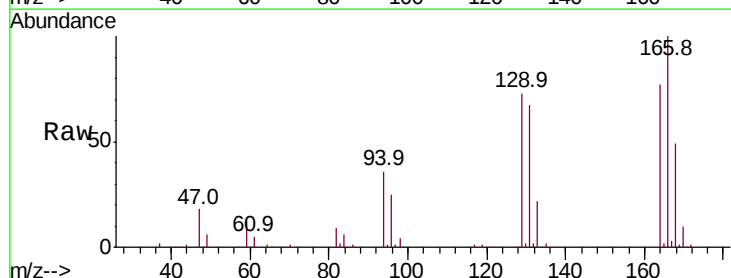
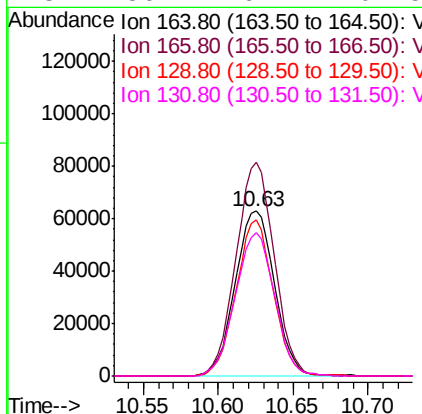
RT: 10.63 min Scan# 2753

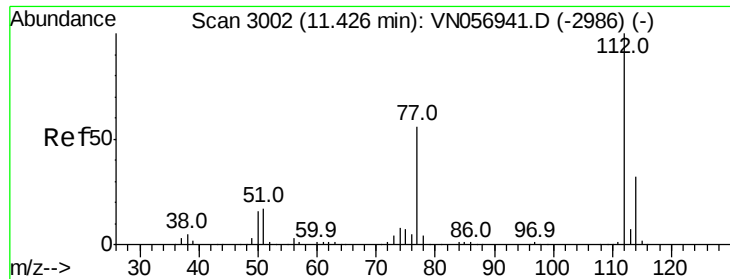
Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion:	164	Resp:	115105
Ion Ratio	Lower	Upper	
164	100		
166	129.6	101.1	151.7
129	94.6	70.9	106.3
131	86.7	67.7	101.5





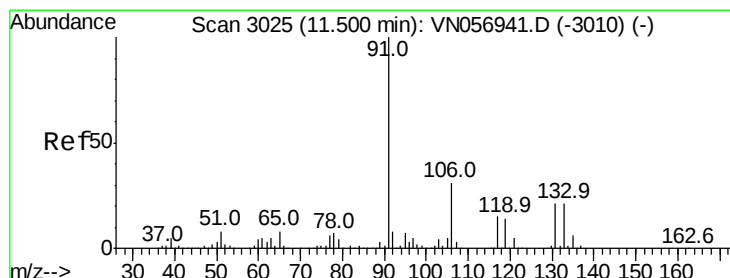
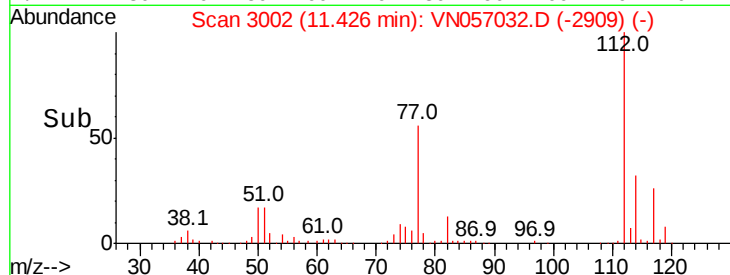
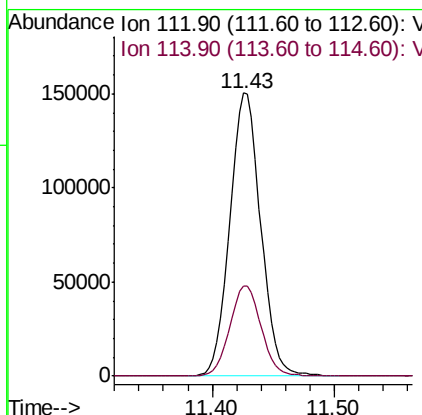
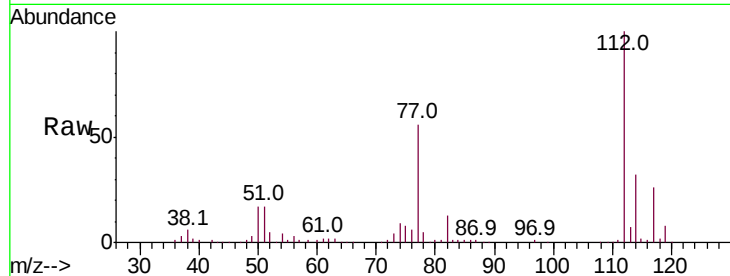
#65
Chlorobenzene
Concen: 21.316 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion:112 Resp: 265280
Ion Ratio Lower Upper
112 100
114 32.0 26.0 39.0

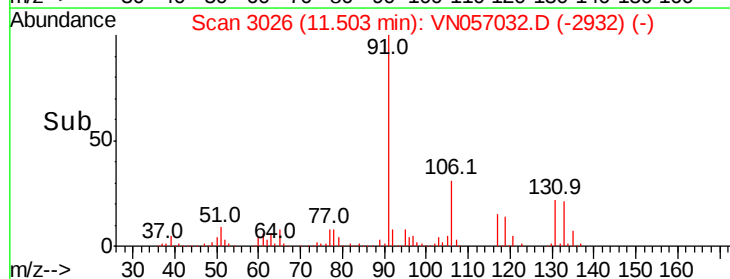
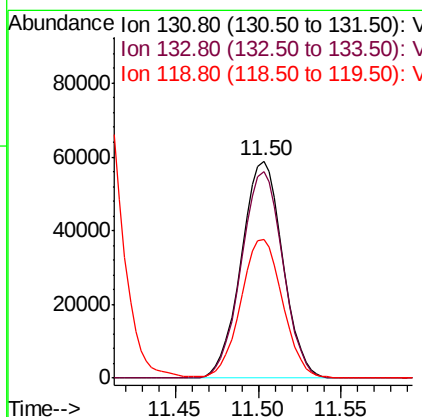
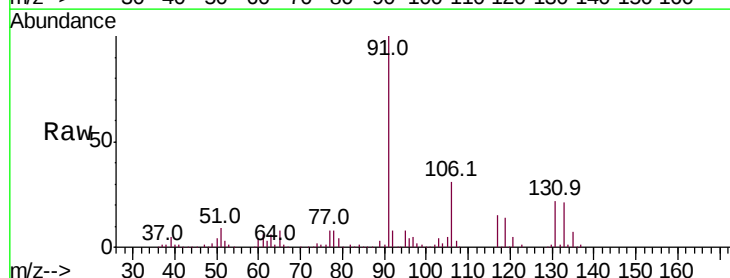
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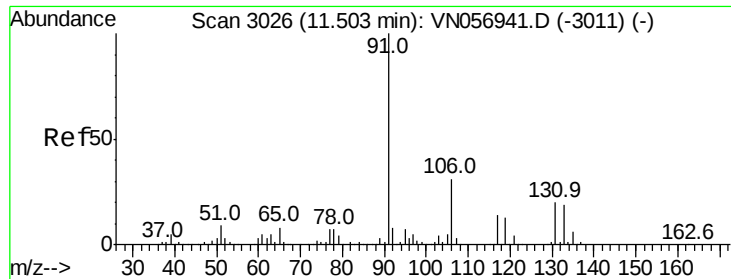
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.933 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion:131 Resp: 102738
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.0
119 64.6 33.2 99.6





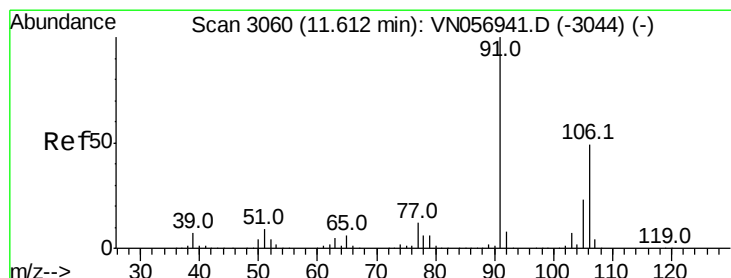
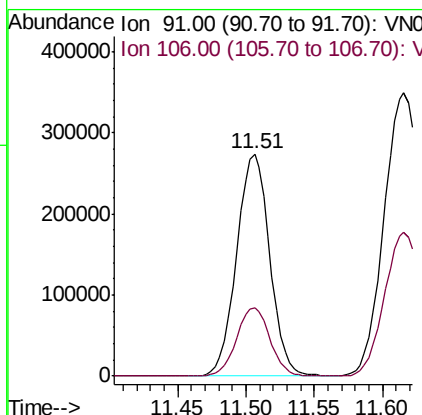
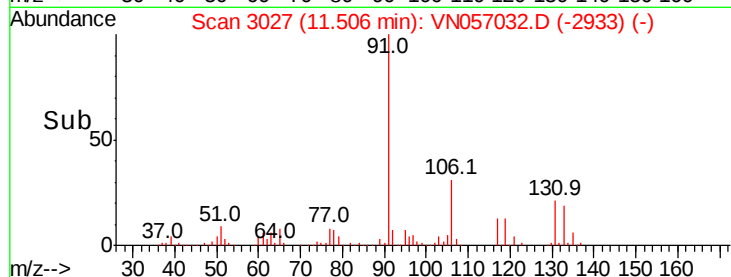
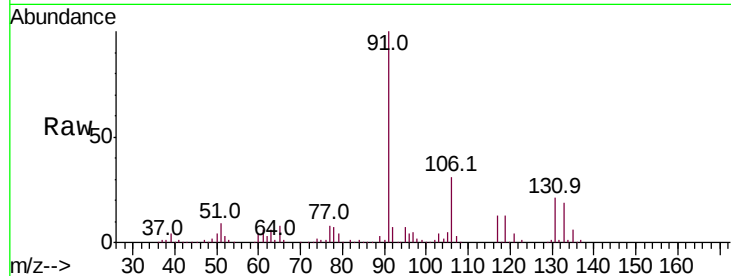
#67
Ethyl Benzene
Concen: 21.443 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion: 91 Resp: 461233
Ion Ratio Lower Upper
91 100
106 31.0 25.1 37.7

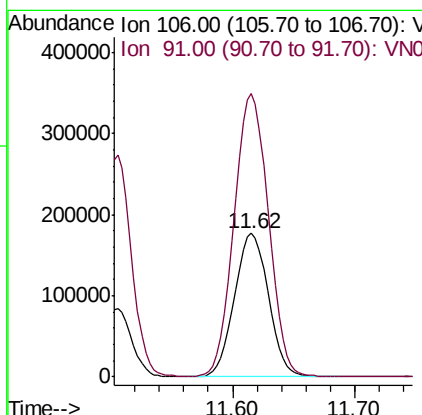
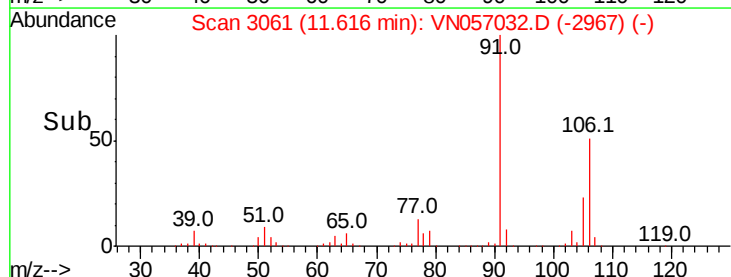
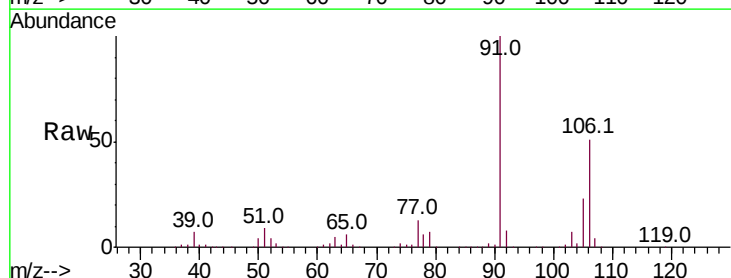
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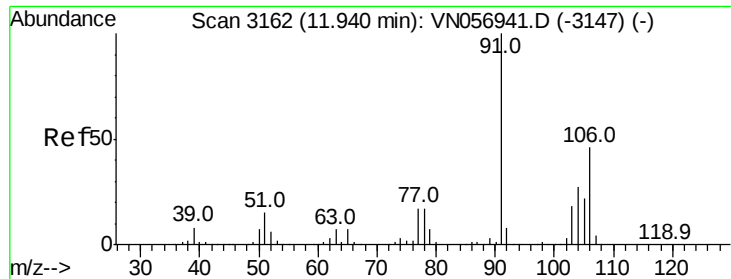
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#68
m/p-Xylenes
Concen: 42.941 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion: 106 Resp: 340874
Ion Ratio Lower Upper
106 100
91 200.2 160.0 240.0





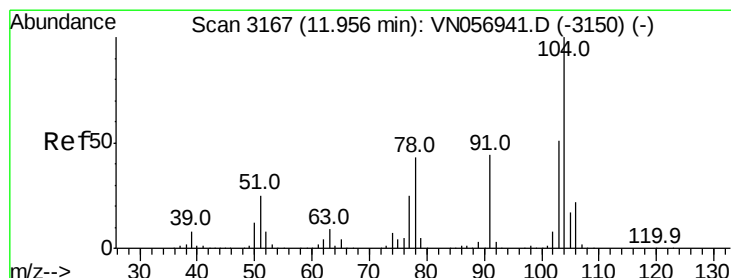
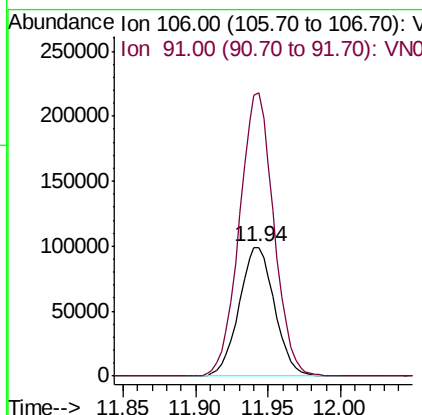
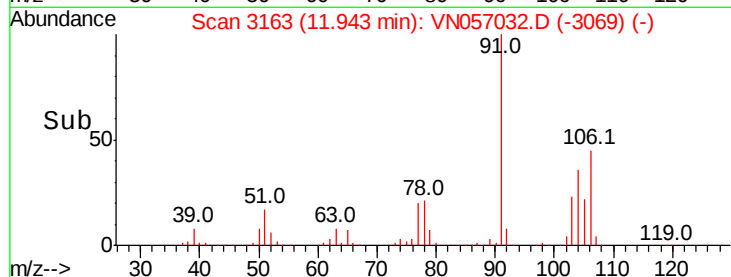
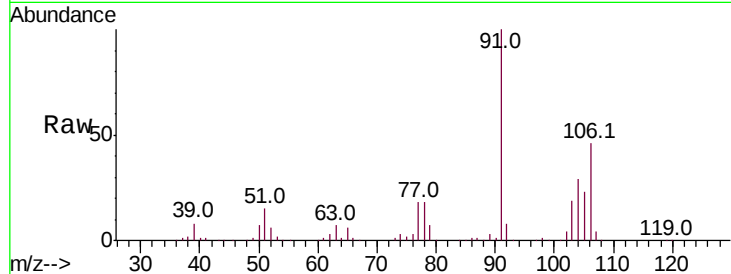
#69
o-Xylene
Concen: 21.689 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampled :
VN0801WBS02

Tot Ion:106 Resp: 168446
Ion Ratio Lower Upper
106 100
91 213.4 106.2 318.6

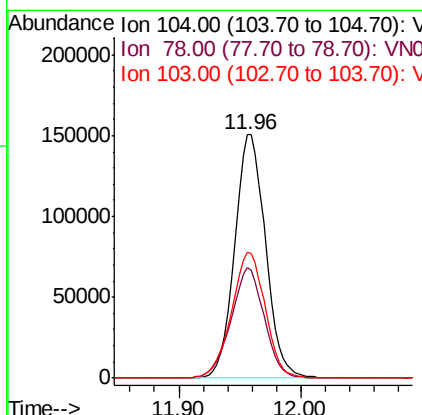
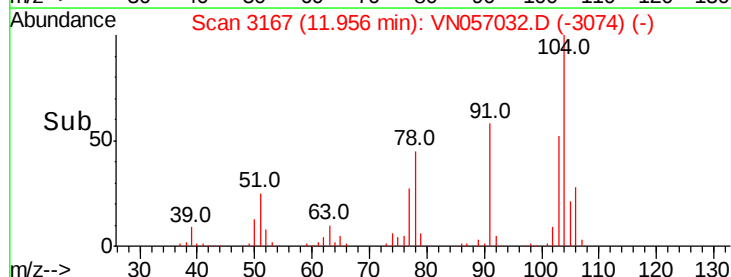
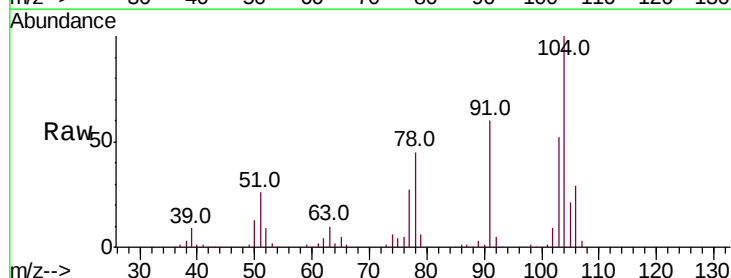
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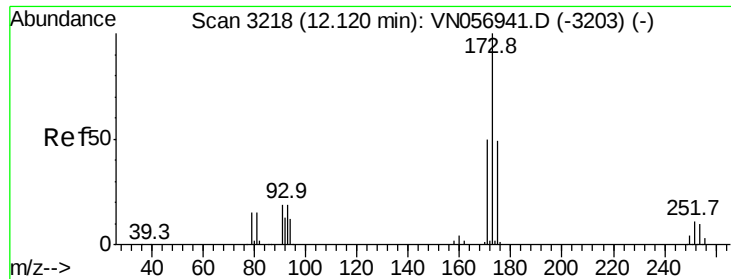
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#70
Styrene
Concen: 20.346 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion:104 Resp: 263498
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 56.7 44.3 66.5





#71

Bromoform

Concen: 21.911 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion:173 Resp: 71659

Ion Ratio Lower Upper

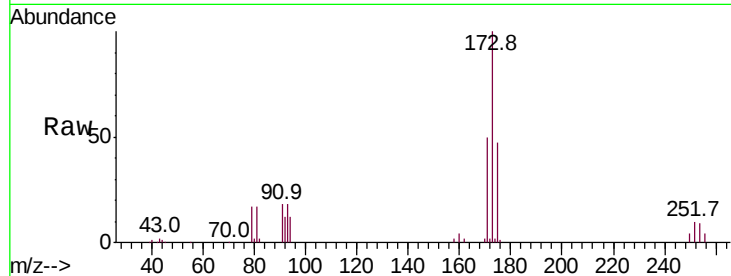
173 100

175 47.2 24.1 72.4

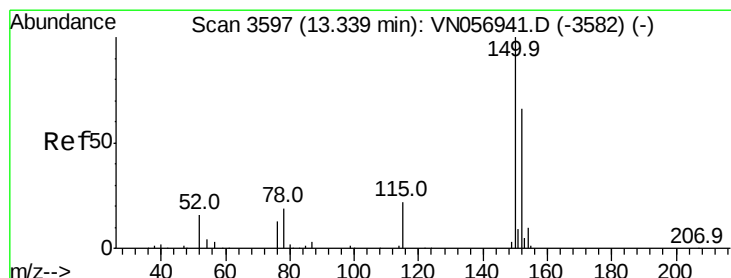
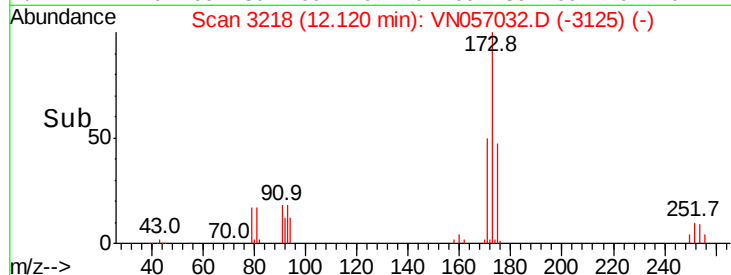
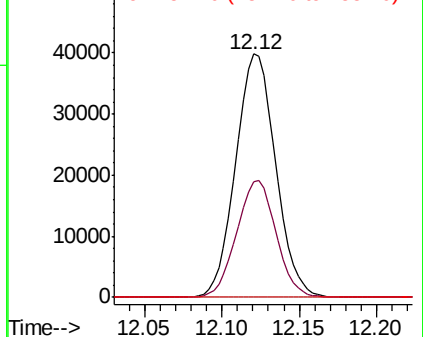
254 0.0 0.1 0.1#

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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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

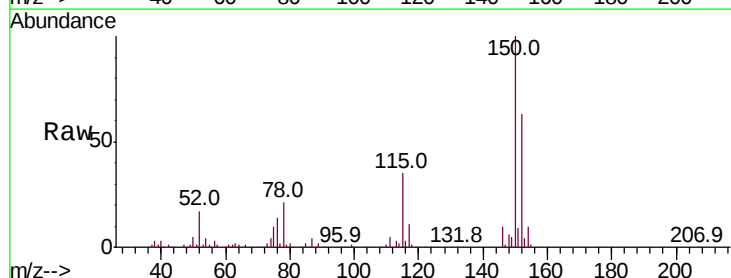
Tgt Ion:152 Resp: 230892

Ion Ratio Lower Upper

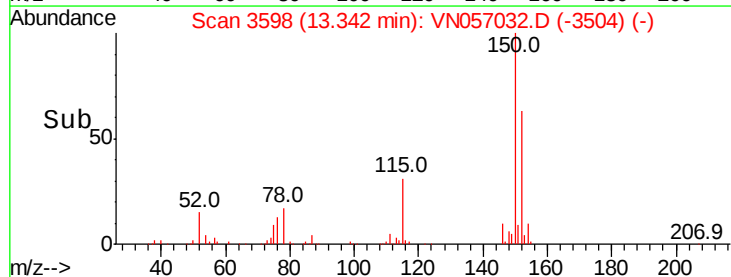
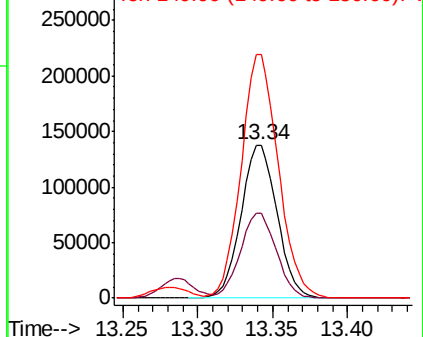
152 100

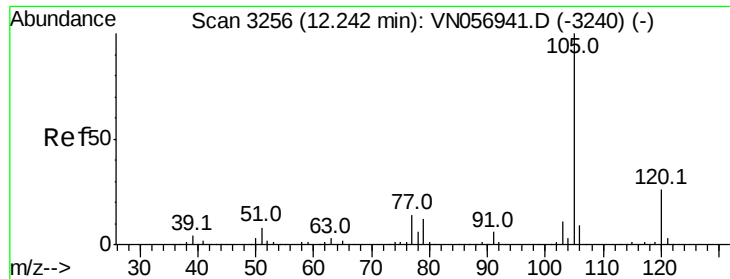
115 55.4 28.2 84.6

150 164.4 0.0 349.4



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: 22.642 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion:105 Resp: 451821

Ion Ratio Lower Upper

105 100

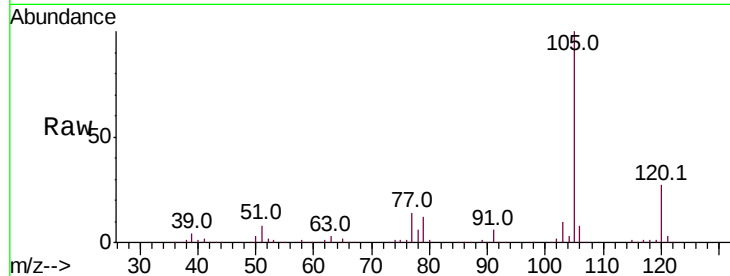
120 27.2 13.5 40.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

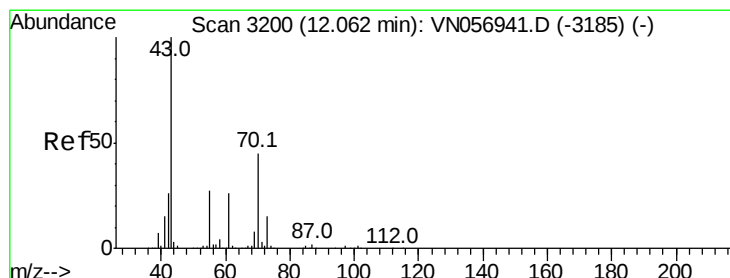
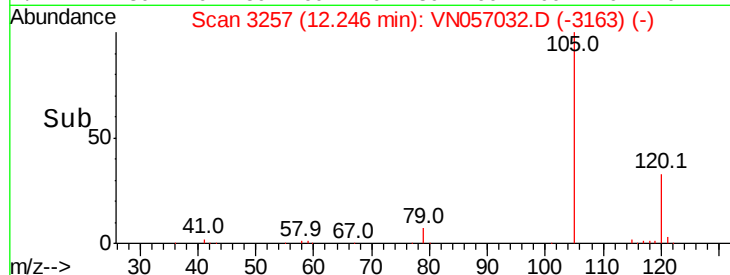
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 22.523 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion: 43 Resp: 130500

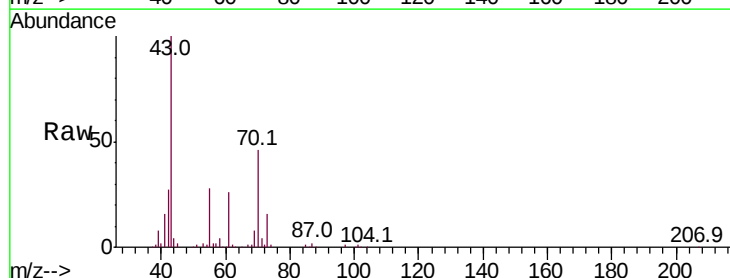
Ion Ratio Lower Upper

43 100

70 45.1 36.5 54.7

55 27.2 21.4 32.0

61 25.2 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

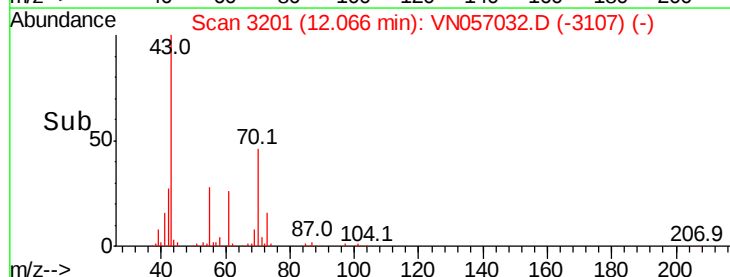
60000

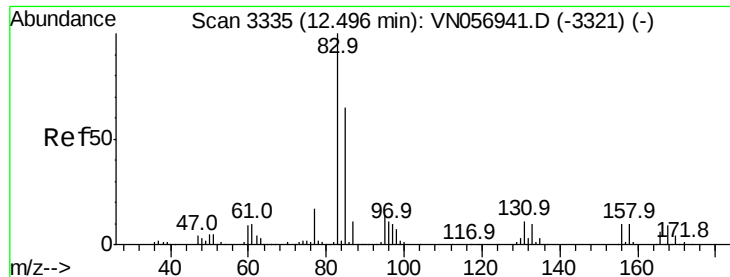
40000

20000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 24.350 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

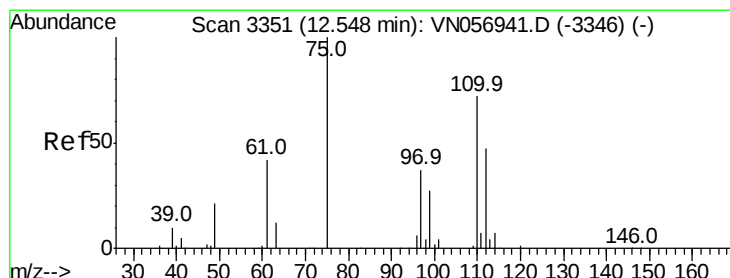
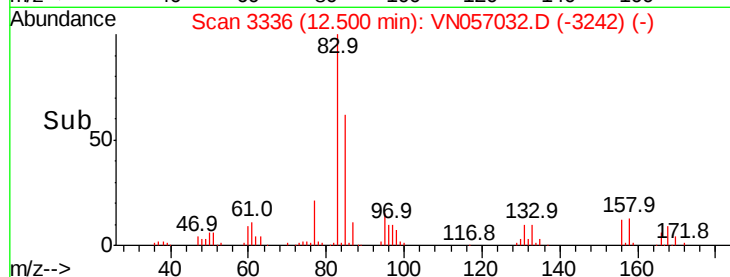
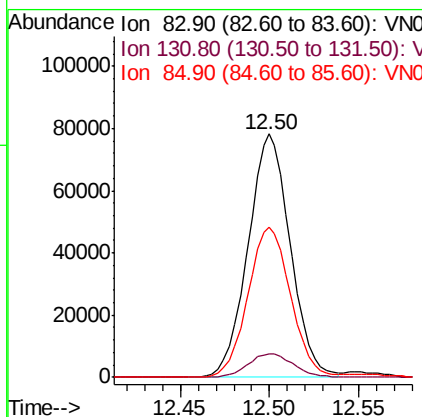
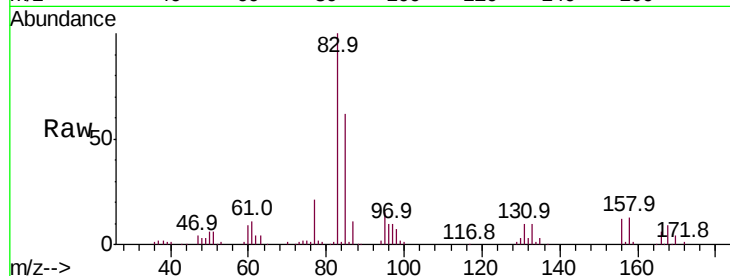
ClientSampled :

VN0801WBS02

Tot Ion	83	Resp	129425
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.3	16.1
85	62.4	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.670 ug/l m

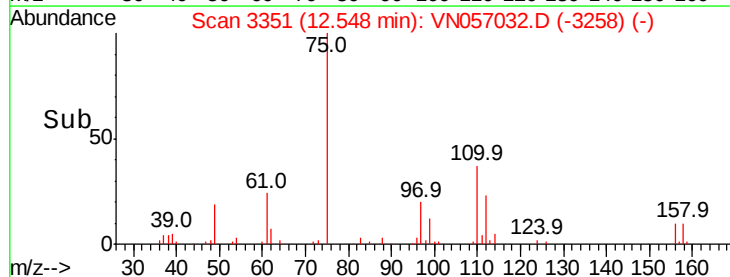
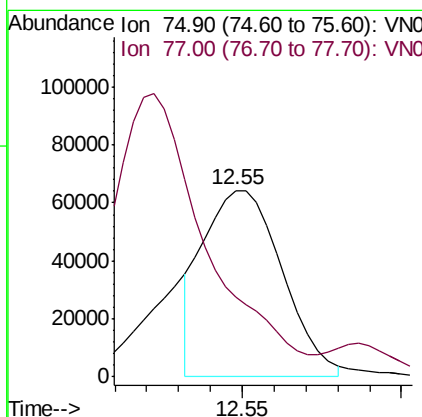
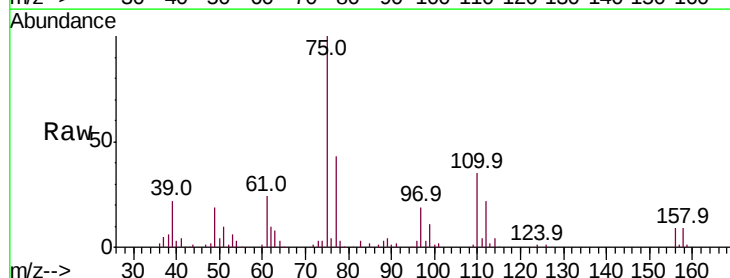
RT: 12.55 min Scan# 3351

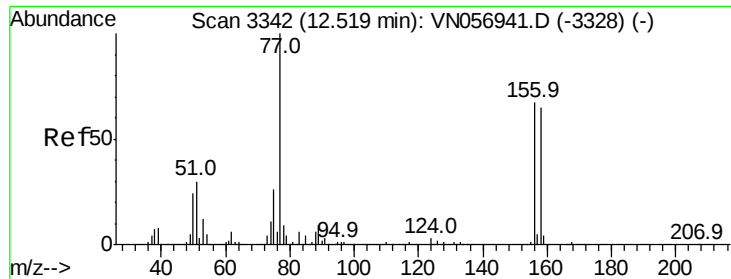
Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion	75	Resp	110990
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.087 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion:156 Resp: 115029

Ion Ratio Lower Upper

156 100

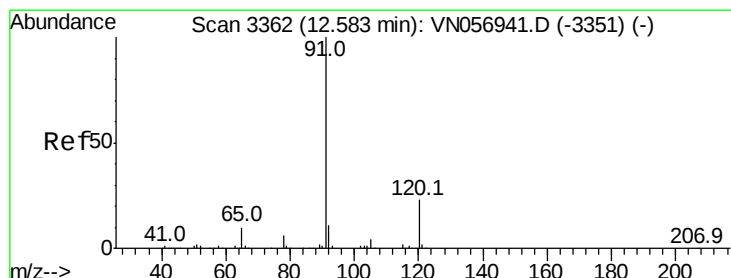
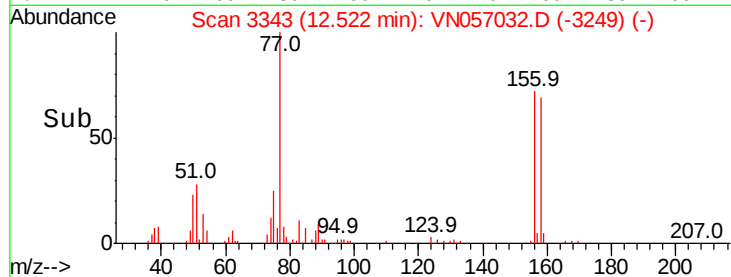
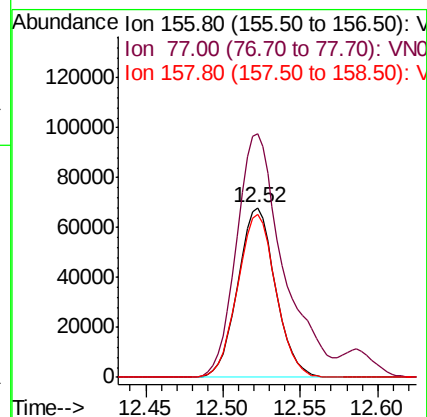
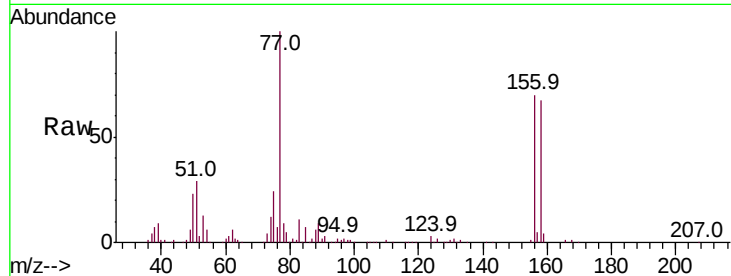
77 178.2 89.5 268.5

158 97.8 48.4 145.3

Manual Integrations
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8/2/2019 11:17:58 AM



#78

n-propylbenzene

Concen: 21.837 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057032.D

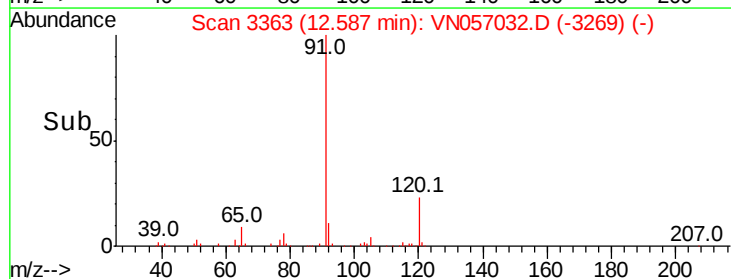
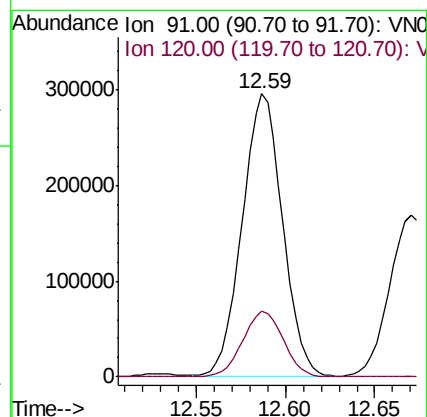
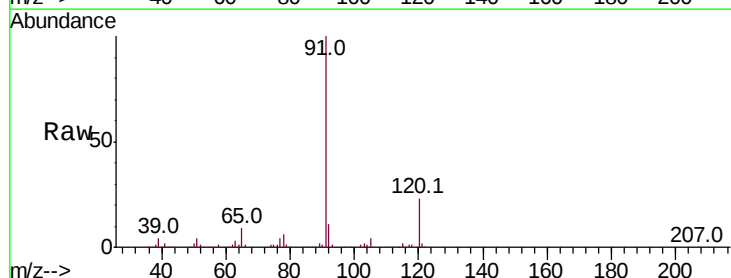
Acq: 1 Aug 2019 13:15

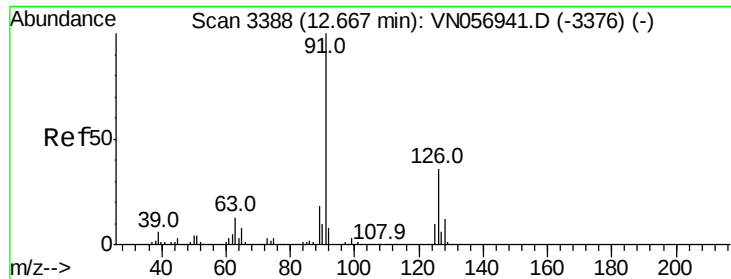
Tgt Ion: 91 Resp: 465270

Ion Ratio Lower Upper

91 100

120 23.4 11.8 35.4





#79

2-Chlorotoluene

Concen: 21.751 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampled :

VN0801WBS02

Tot Ion: 91 Resp: 285368

Ion Ratio Lower Upper

91 100

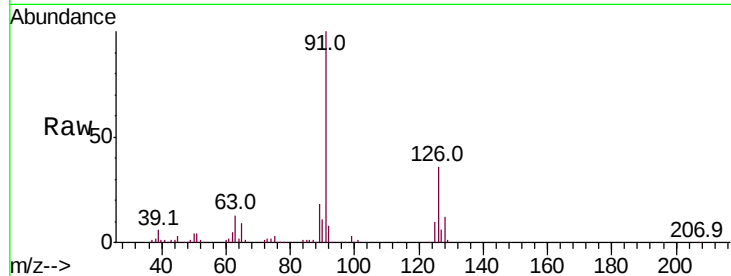
126 35.8 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

200000

150000

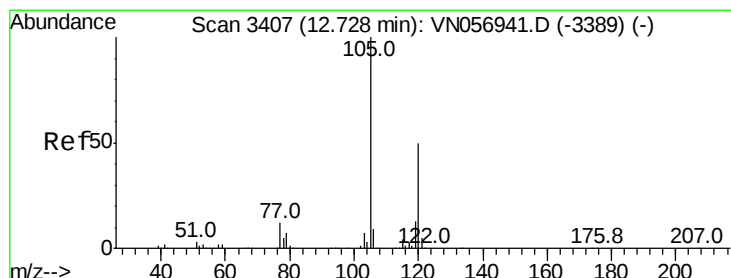
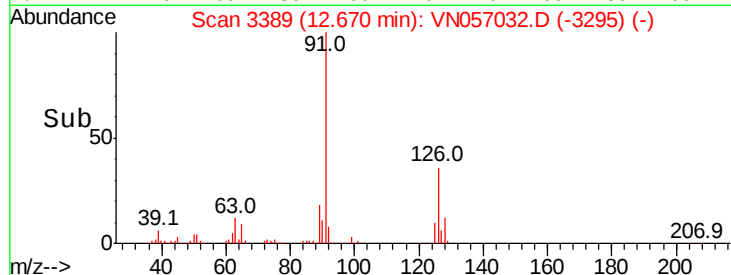
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.843 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057032.D

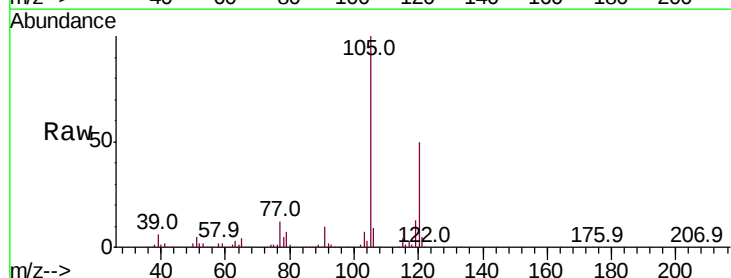
Acq: 1 Aug 2019 13:15

Tgt Ion:105 Resp: 374103

Ion Ratio Lower Upper

105 100

120 49.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

250000

200000

150000

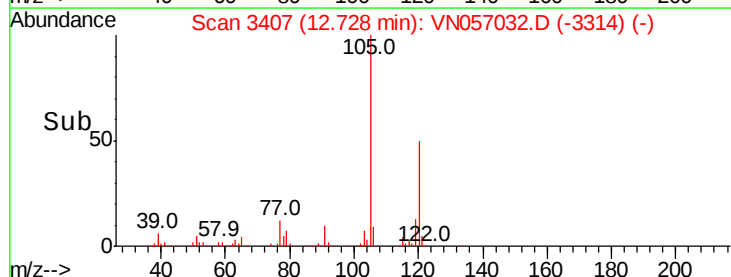
100000

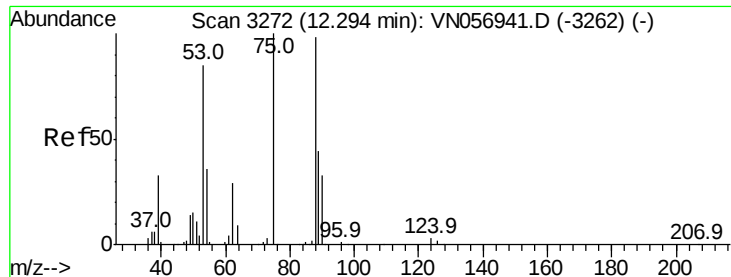
50000

0

12.65 12.70 12.75 12.80

Time-->





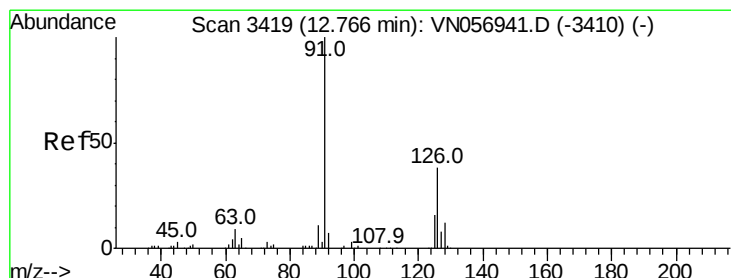
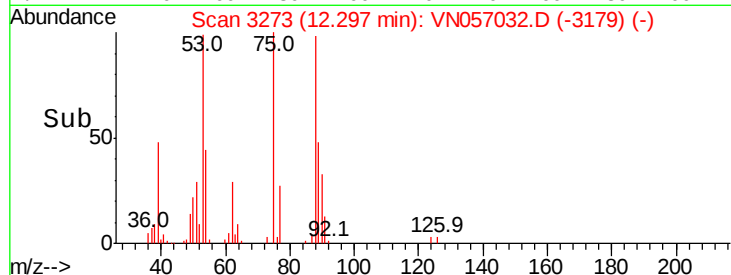
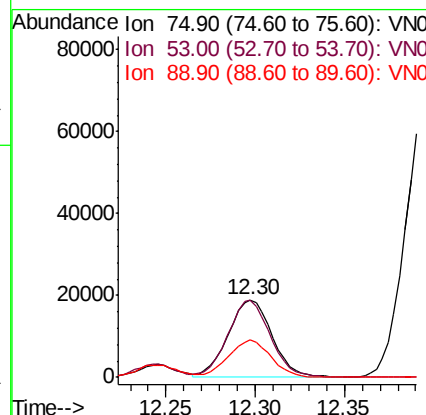
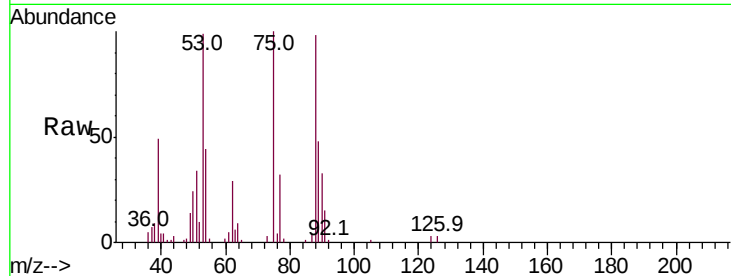
#81
trans-1,4-Dichloro-2-butene
Concen: 22.328 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.9	69.3	103.9
89	46.2	35.8	53.6

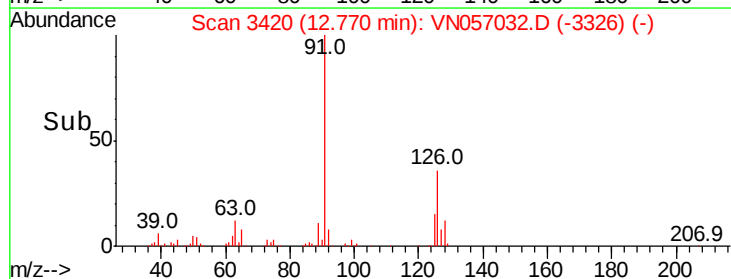
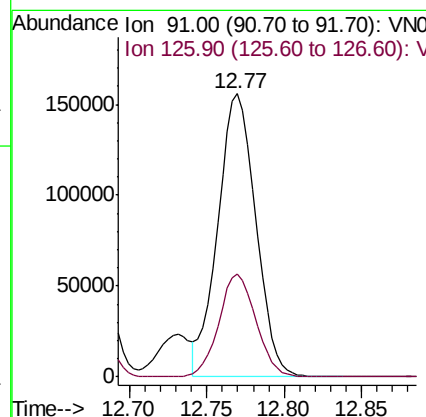
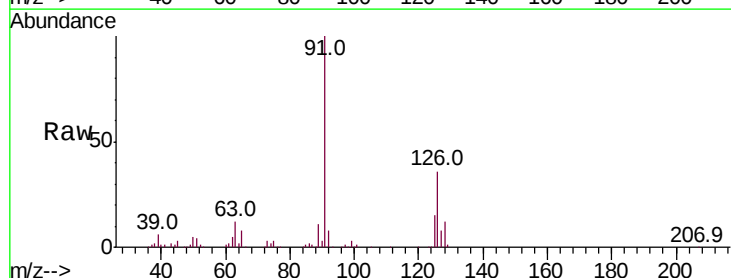
Manual Integrations
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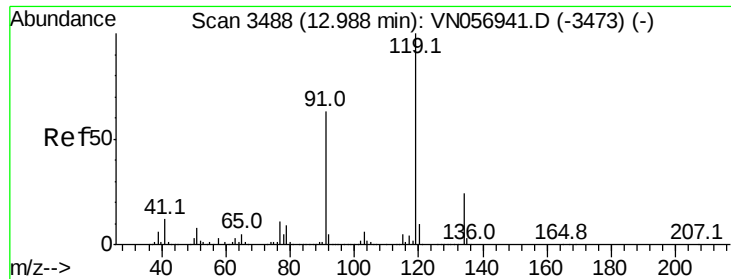
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#82
4-Chlorotoluene
Concen: 21.621 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





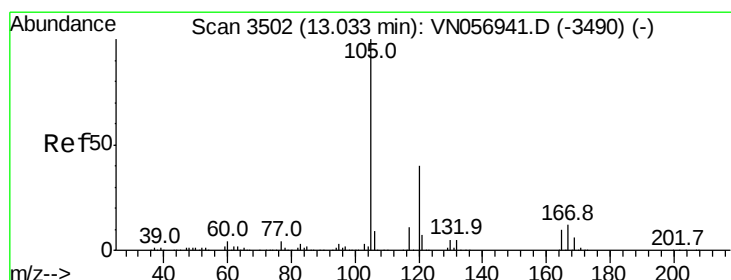
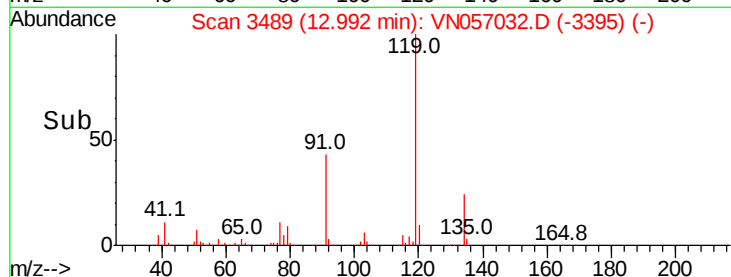
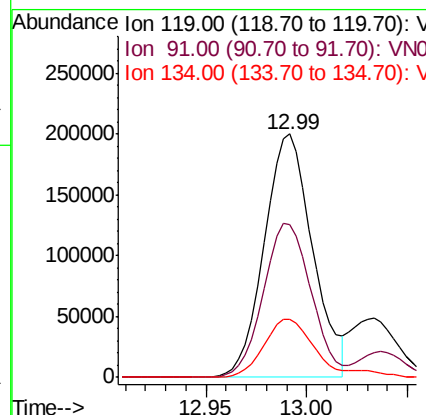
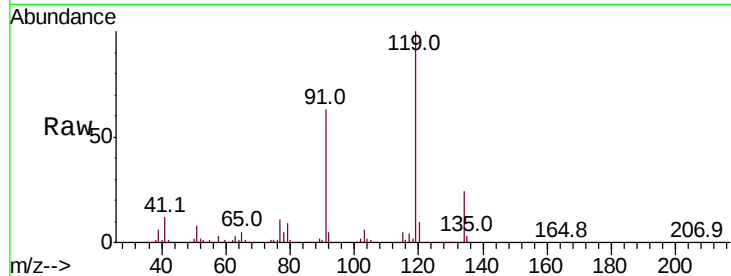
#83
tert-Butylbenzene
Concen: 23.009 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	333589		
91	62.5	31.3	93.8	
134	24.3	13.3	39.8	

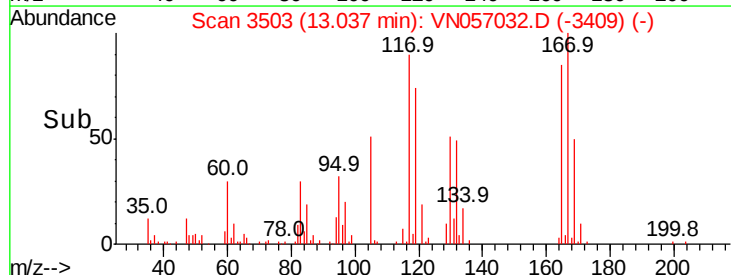
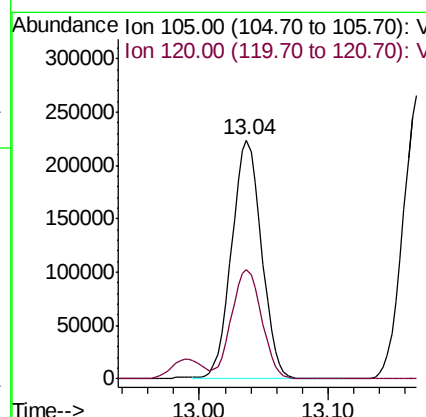
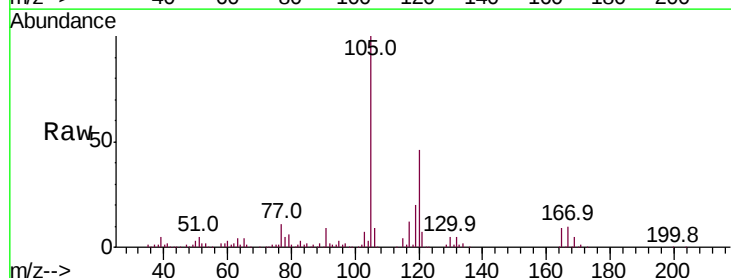
Manual Integrations
APPROVED

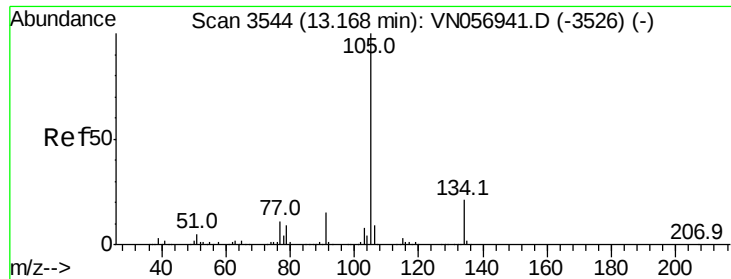
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#84
1,2,4-Trimethylbenzene
Concen: 22.842 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	359949		
120	46.5	23.2	69.6	





#85

sec-Butylbenzene

Concen: 22.295 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBS02

Tot Ion:105 Resp: 416930

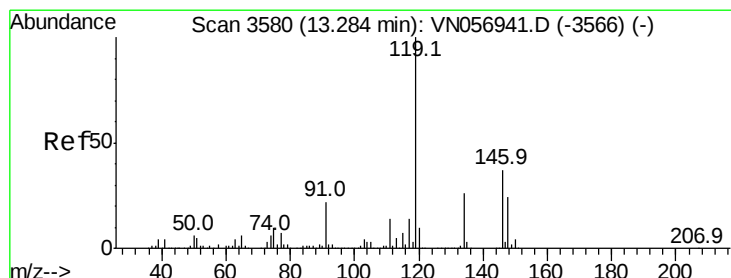
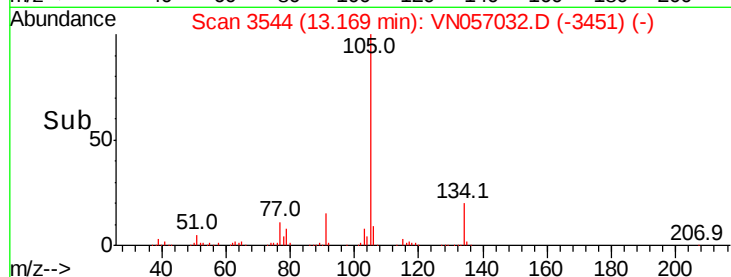
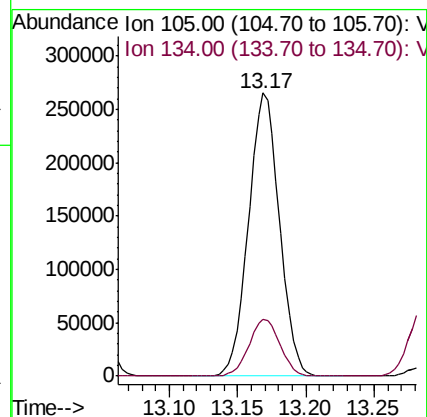
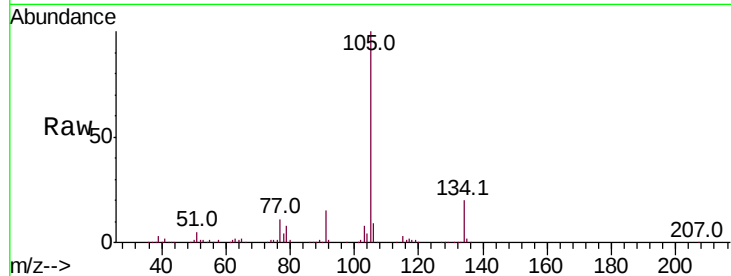
Ion Ratio Lower Upper

105 100

134 20.2 10.3 30.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.407 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

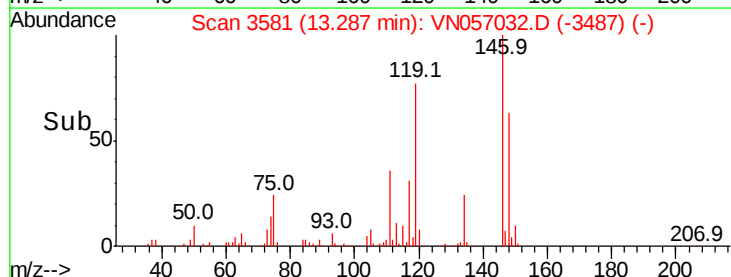
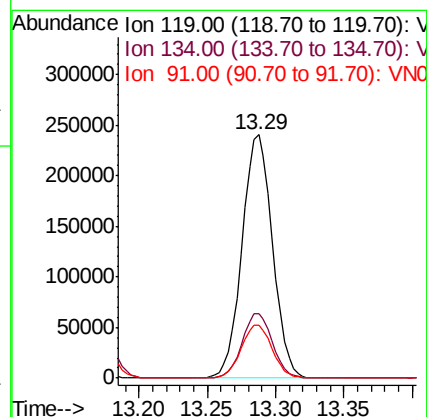
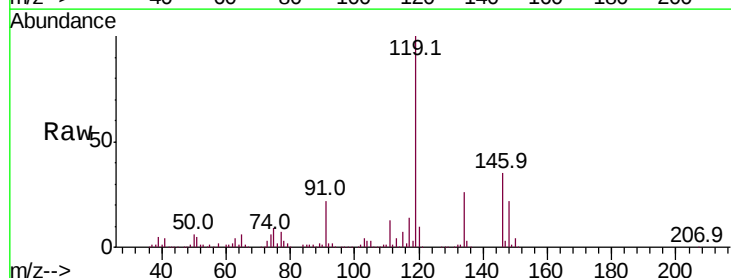
Tgt Ion:119 Resp: 372027

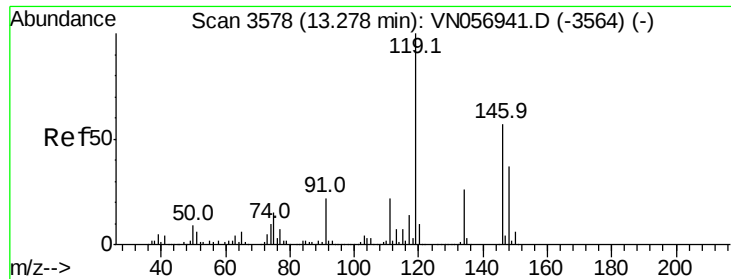
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.2 11.0 33.0





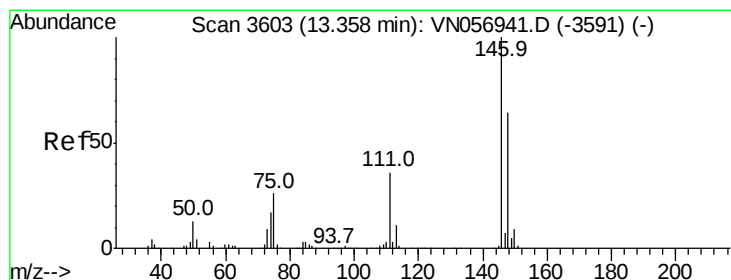
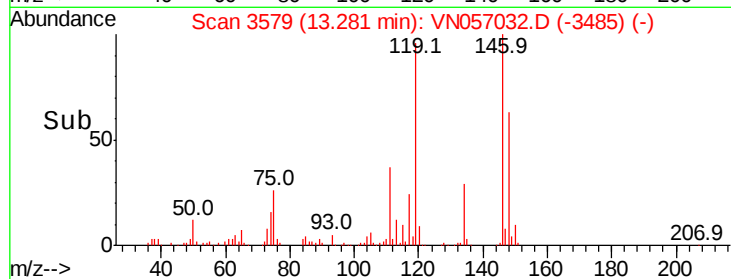
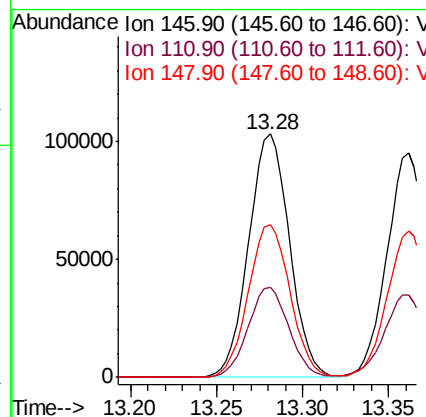
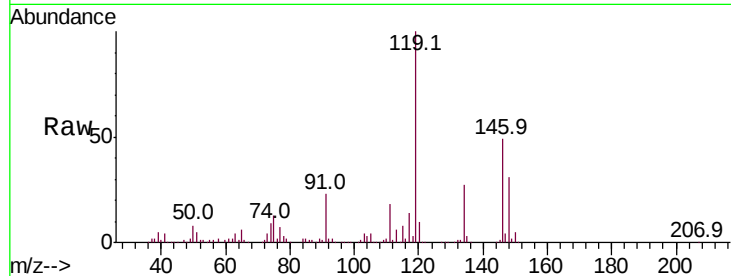
#87
 1,3-Dichlorobenzene
 Concen: 21.469 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	55.8
148	64.0	32.2	96.6

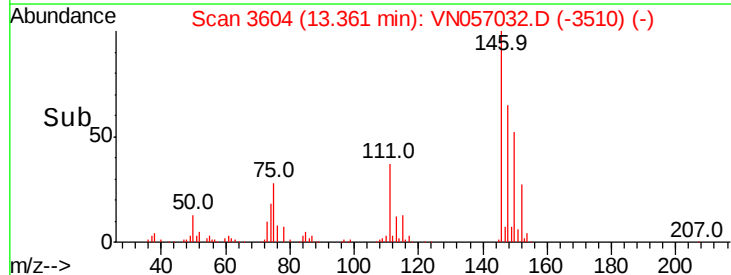
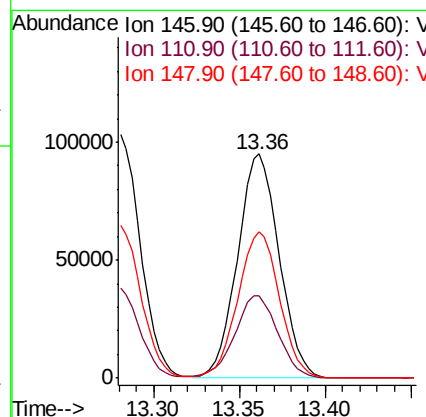
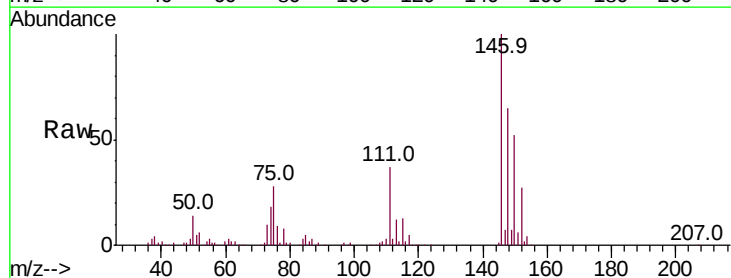
Manual Integrations
 APPROVED

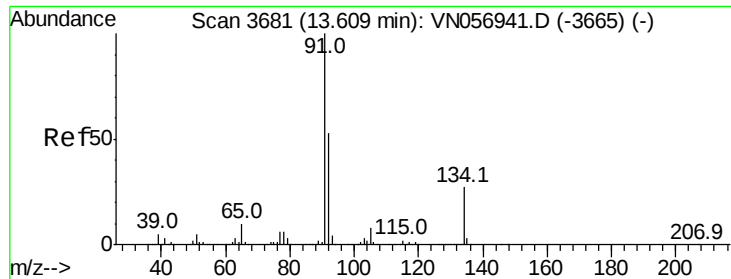
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#88
 1,4-Dichlorobenzene
 Concen: 20.889 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.2
148	65.4	32.3	96.9





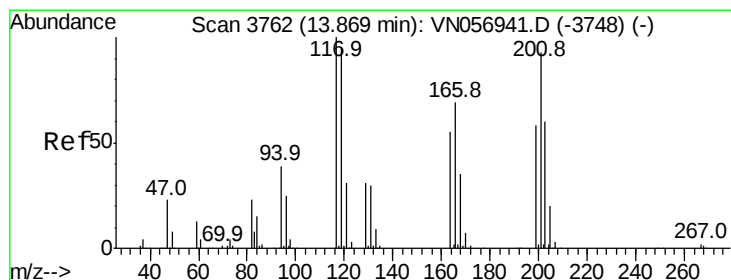
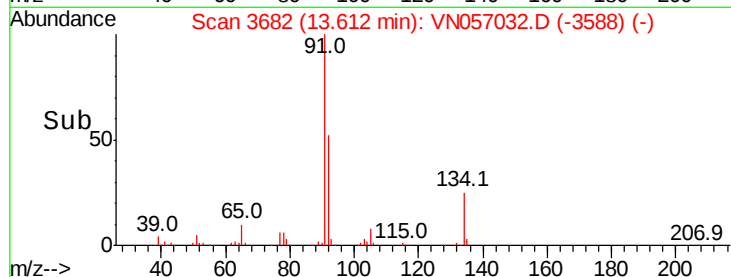
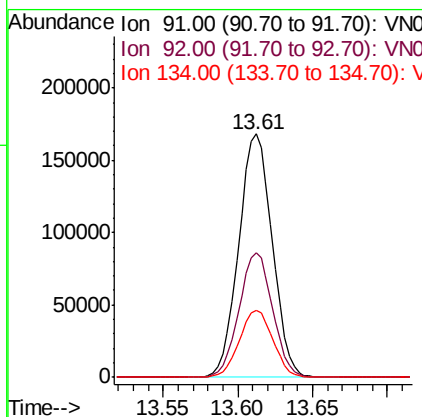
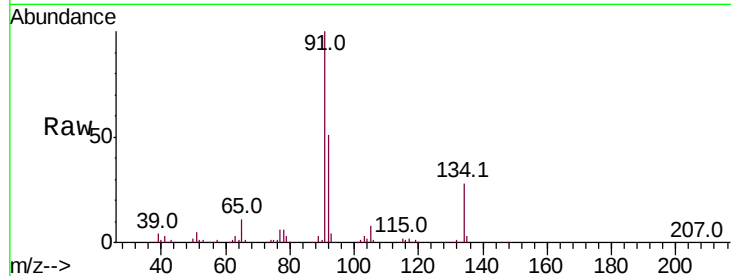
#89
n-Butylbenzene
Concen: 20.520 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.2	78.5
134	27.6	13.5	40.4

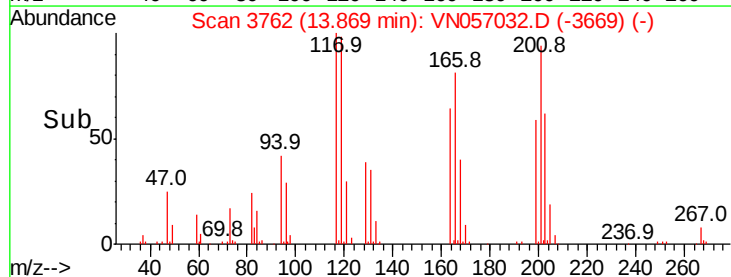
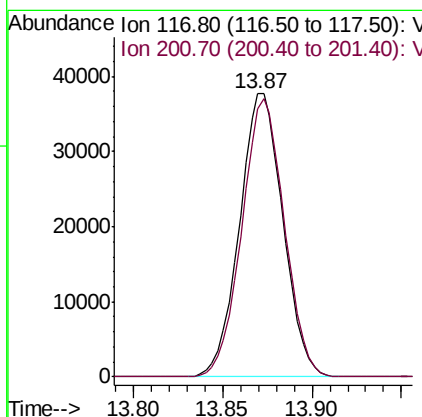
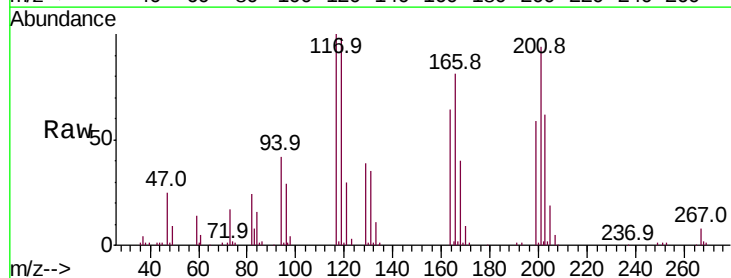
Manual Integrations
APPROVED

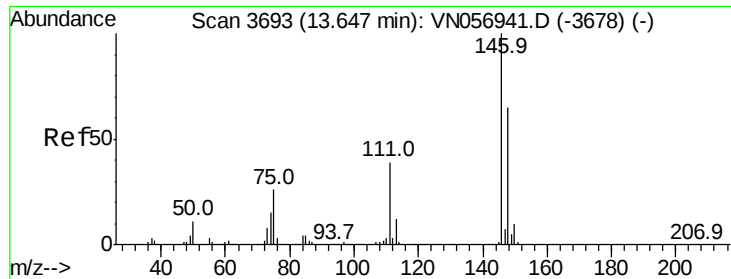
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#90
Hexachloroethane
Concen: 22.442 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN057032.D
Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	47.0	141.2





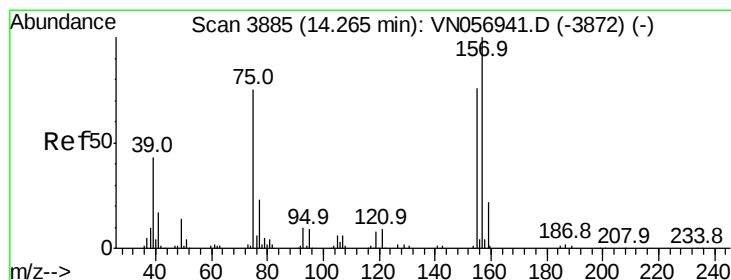
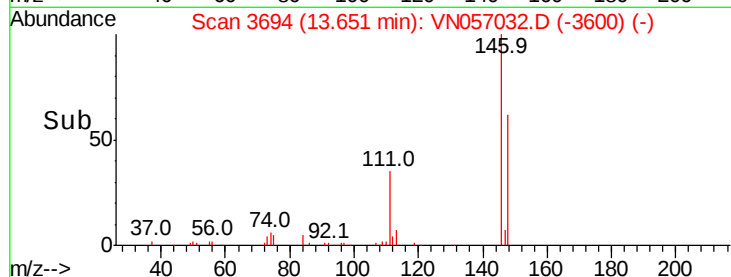
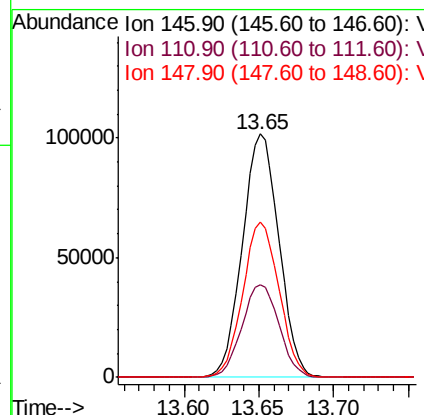
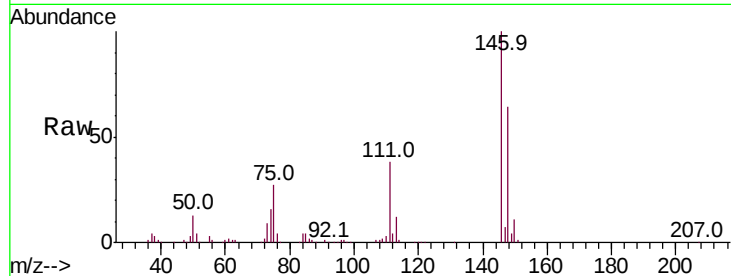
#91
 1,2-Dichlorobenzene
 Concen: 22.157 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.4
148	63.6	32.2	96.6

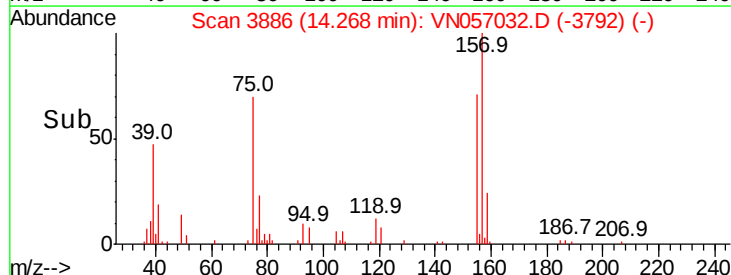
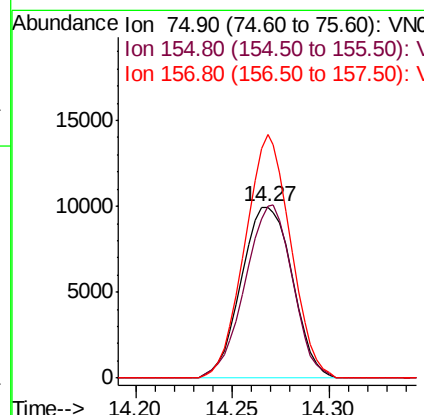
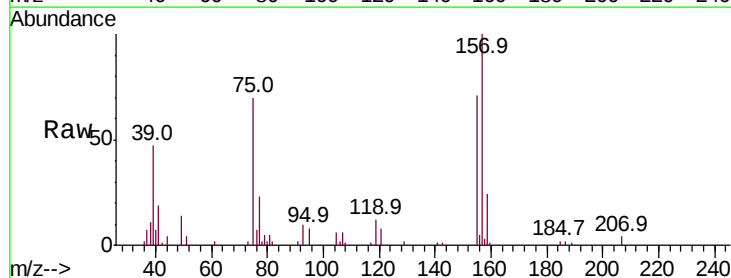
Manual Integrations
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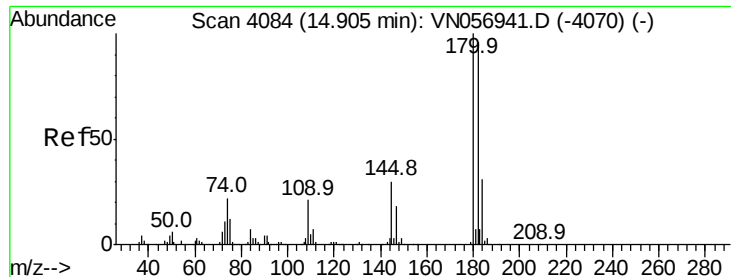
MMDadoda
 8/2/2019 11:17:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.089 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	50.2	150.6
157	127.3	65.1	195.4





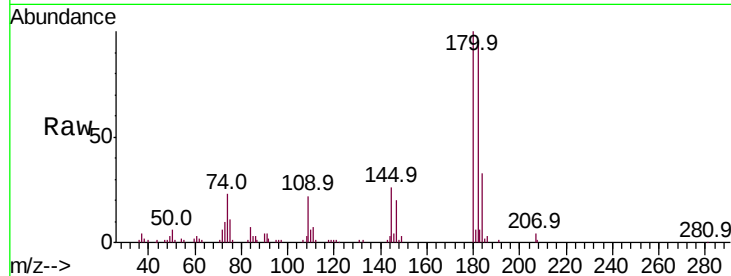
#93
 1,2,4-Trichlorobenzene
 Concen: 16.431 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.6	142.8	
145	26.6	14.2	42.8	

Manual Integrations
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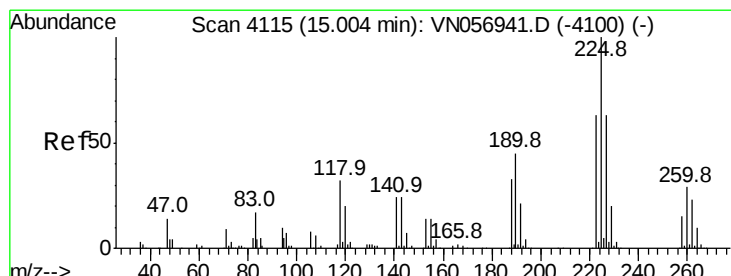
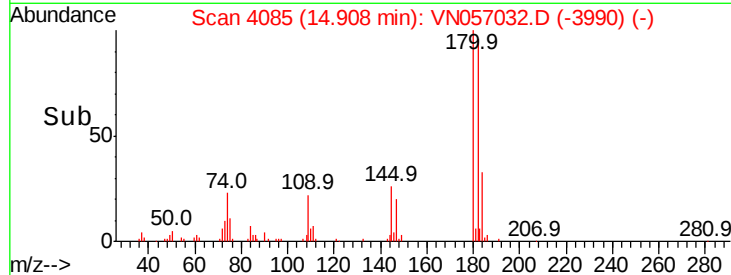
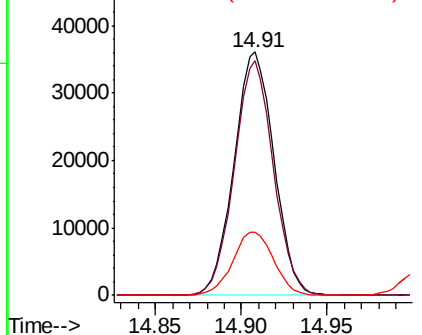


Abundance

Ion 179.80 (179.50 to 180.50): V

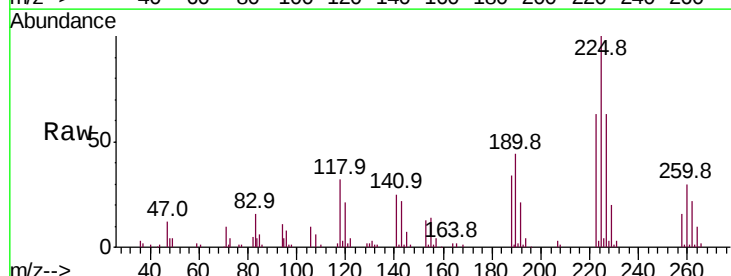
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 24.163 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057032.D
 Acq: 1 Aug 2019 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.8	30.8	92.4	
227	62.8	31.1	93.5	

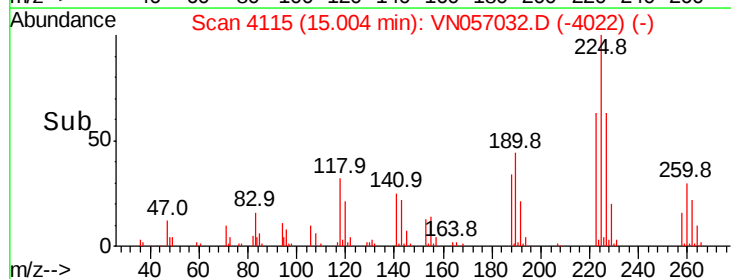
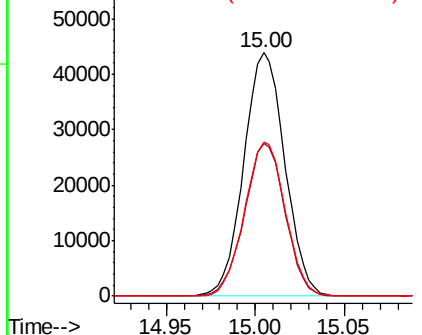


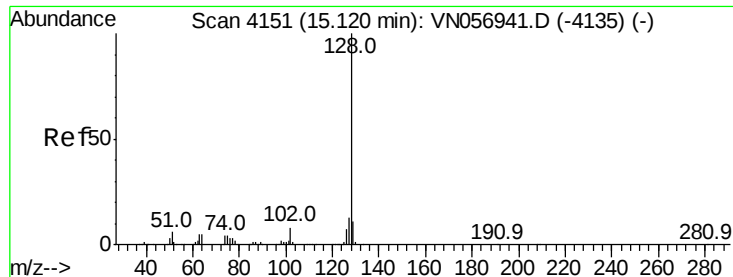
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.915 ug/l

RT: 15.12 min Scan# 4152

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Instrument :

MSVOA_N

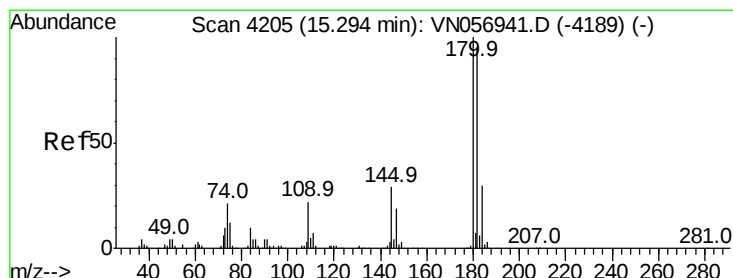
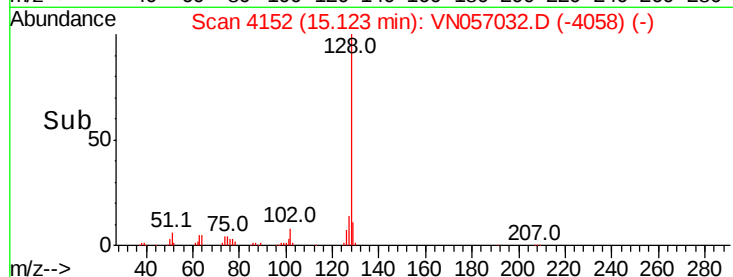
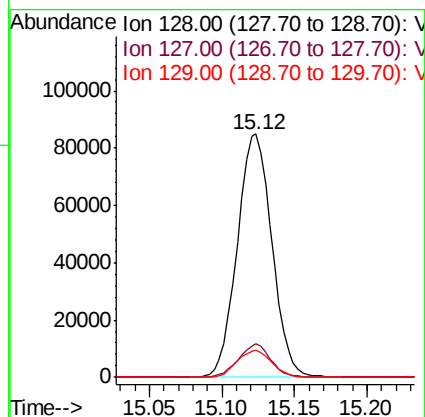
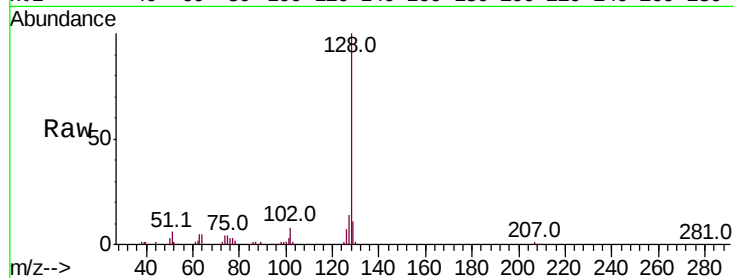
ClientSampleId :

VN0801WBS02

Tot Ion:	128	Resp:	140849
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.0	15.0
129	11.2	8.7	13.1

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#96

1,2,3-Trichlorobenzene

Concen: 18.121 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057032.D

Acq: 1 Aug 2019 13:15

Tgt Ion:	180	Resp:	68115
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.0	144.2
145	29.7	15.0	45.0

