

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081919\
 Data File : VN057387.D
 Acq On : 19 Aug 2019 9:52
 Operator : JC/SP
 Sample : VN0819WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2019 9:45:05 AM

Quant Time: Aug 20 07:32:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	902335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1278045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1139358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423671	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	414031	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
35) Dibromofluoromethane	7.58	113	388335	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
50) Toluene-d8	10.08	98	1444477	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	461010	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	119640	15.408	ug/l	98
3) Chloromethane	2.05	50	134655	14.693	ug/l	98
4) Vinyl Chloride	2.18	62	131933	15.302	ug/l	100
5) Bromomethane	2.55	94	106035	17.252	ug/l	100
6) Chloroethane	2.70	64	95396	16.085	ug/l	99
7) Trichlorofluoromethane	3.02	101	225714	16.689	ug/l	99
8) Diethyl Ether	3.40	74	82175	16.143	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	137823	17.345	ug/l	96
10) Methyl Iodide	3.95	142	212073	16.697	ug/l	99
11) Tert butyl alcohol	4.75	59	104660	75.050	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	132513	16.738	ug/l	98
13) Acrolein	3.60	56	46833	55.320	ug/l	99
14) Allyl chloride	4.31	41	196867	15.513	ug/l	98
15) Acrylonitrile	4.97	53	300641	79.407	ug/l	98
16) Acetone	3.80	43	303231	89.111	ug/l	97
17) Carbon Disulfide	4.05	76	341280	16.001	ug/l	100
18) Methyl Acetate	4.31	43	156370	15.530	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	410104	16.509	ug/l	99
20) Methylene Chloride	4.54	84	156515	16.439	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	143119	16.810	ug/l	94
22) Diisopropyl ether	5.93	45	412586	16.458	ug/l	99
23) Vinyl Acetate	5.88	43	1590062	78.809	ug/l	97
24) 1,1-Dichloroethane	5.84	63	254473	16.499	ug/l	100
25) 2-Butanone	6.82	43	394281	80.013	ug/l	93
26) 2,2-Dichloropropane	6.81	77	220278	17.672	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	168944	16.761	ug/l	99
28) Bromochloromethane	7.18	49	124911	18.227	ug/l #	93
29) Tetrahydrofuran	7.20	42	233744	74.954	ug/l	97
30) Chloroform	7.36	83	264839	16.385	ug/l	100
31) Cyclohexane	7.64	56	210527	15.751	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	236766	17.416	ug/l	99
36) 1,1-Dichloropropene	7.78	75	193596	17.156	ug/l	99
37) Ethyl Acetate	6.91	43	155092	16.781	ug/l	97
38) Carbon Tetrachloride	7.76	117	208868	17.815	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	224726	17.055	ug/l	98
40) Benzene	8.03	78	594982	17.239	ug/l	100
41) Methacrylonitrile	7.16	41	75831	18.219	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	193091	16.903	ug/l	98
43) Isopropyl Acetate	8.15	43	271015	15.250	ug/l	97
44) Trichloroethene	8.83	130	178210	18.365	ug/l	91
45) 1,2-Dichloropropane	9.11	63	153500	17.254	ug/l	97
46) Dibromomethane	9.20	93	102043	17.193	ug/l	97
47) Bromodichloromethane	9.40	83	208699	17.748	ug/l	99
48) Methyl methacrylate	9.19	41	120043	15.773	ug/l	98
49) 1,4-Dioxane	9.19	88	56049	350.191	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	750548	78.717	ug/l	98
52) Toluene	10.15	92	388151	18.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	221346	17.402	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	250439	17.855	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	148499	17.579	ug/l	97
56) Ethyl methacrylate	10.42	69	207922	16.866	ug/l	97
57) 1,3-Dichloropropane	10.70	76	250183	17.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	266438	84.658	ug/l	99
59) 2-Hexanone	10.75	43	546906	79.784	ug/l	99
60) Dibromochloromethane	10.90	129	174214	18.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	156801	17.425	ug/l	100
64) Tetrachloroethene	10.63	164	189106	19.200	ug/l	97
65) Chlorobenzene	11.43	112	426133	18.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165823	18.633	ug/l	99
67) Ethyl Benzene	11.51	91	720408	17.720	ug/l	99
68) m/p-Xylenes	11.62	106	544552	36.354	ug/l	98
69) o-Xylene	11.95	106	264197	17.964	ug/l	100
70) Styrene	11.96	104	417279	17.799	ug/l	99
71) Bromoform	12.12	173	131264	18.696	ug/l #	98
73) Isopropylbenzene	12.25	105	710265	18.980	ug/l	98
74) N-amyl acetate	12.07	43	193617	15.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	193733	17.680	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171581m	19.430	ug/l	
77) Bromobenzene	12.53	156	186445	19.202	ug/l	97
78) n-propylbenzene	12.59	91	708503	17.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	454647	18.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	579850	18.910	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	58993	16.979	ug/l	99
82) 4-Chlorotoluene	12.77	91	412205	17.050	ug/l	97
83) tert-Butylbenzene	12.99	119	534987	19.514	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	526576	17.256	ug/l	97
85) sec-Butylbenzene	13.17	105	622541	18.469	ug/l	99
86) p-Isopropyltoluene	13.29	119	540128	17.288	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263794	17.771	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	253155	17.966	ug/l	99
89) n-Butylbenzene	13.62	91	403845	18.132	ug/l	99
90) Hexachloroethane	13.88	117	116836	20.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	260353	18.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22902	15.159	ug/l	89

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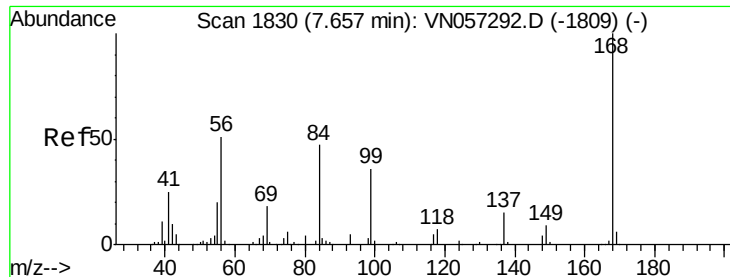
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68435	16.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	124898	20.912	ug/l	99
95) Naphthalene	15.13	128	120318	17.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	66319	19.609	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion:168 Resp: 902335

Ion Ratio Lower Upper

168 100

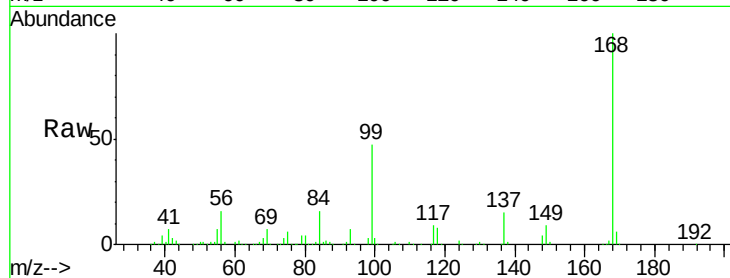
99 47.0 39.4 59.2

Manual Integrations

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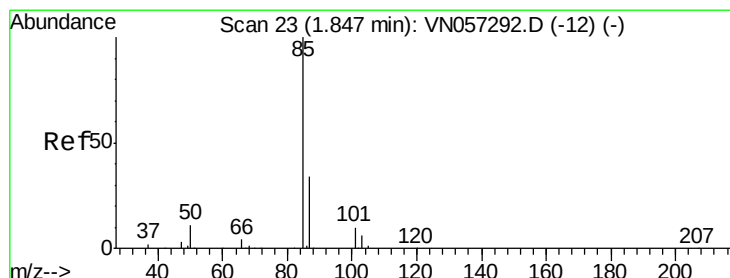
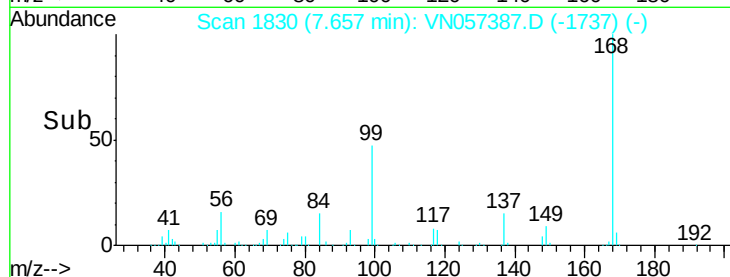
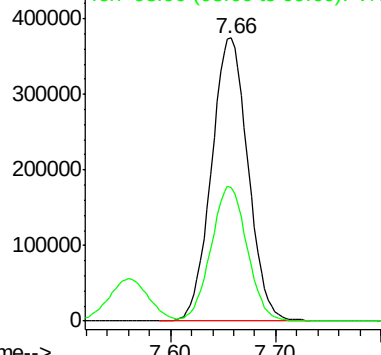
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.408 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057387.D

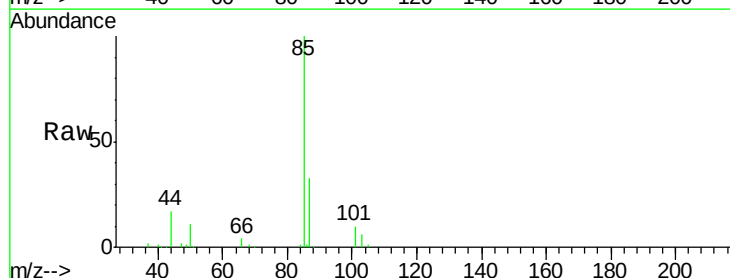
Acq: 19 Aug 2019 9:52

Tgt Ion: 85 Resp: 119640

Ion Ratio Lower Upper

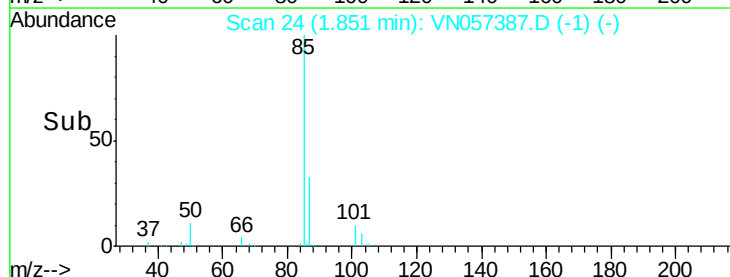
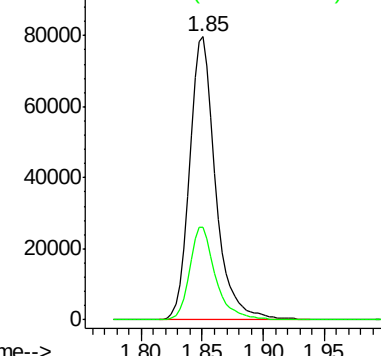
85 100

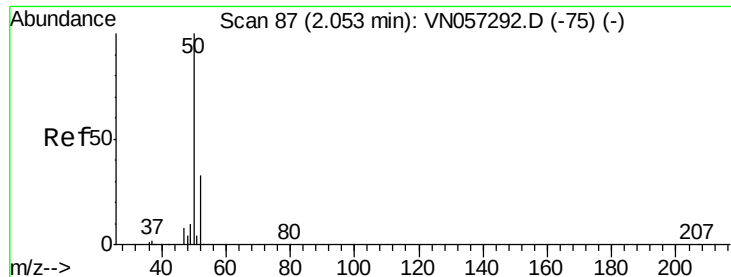
87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 14.693 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 50 Resp: 134655

Ion Ratio Lower Upper

50 100

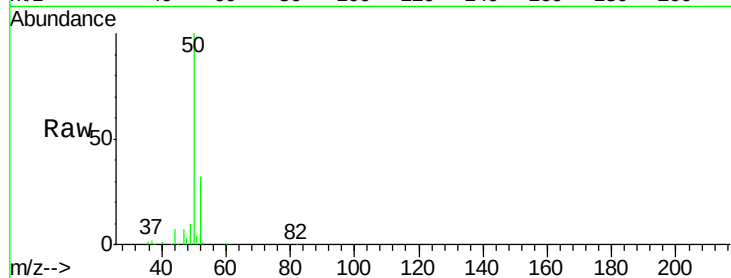
52 32.1 26.8 40.2

Manual Integrations

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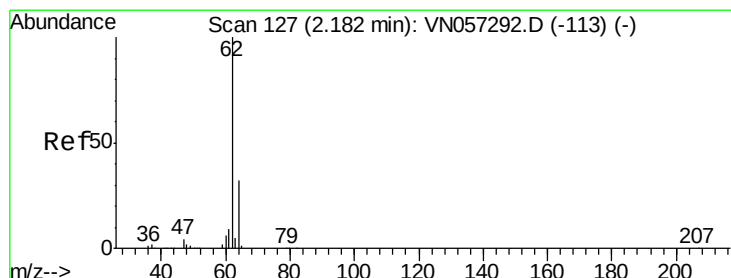
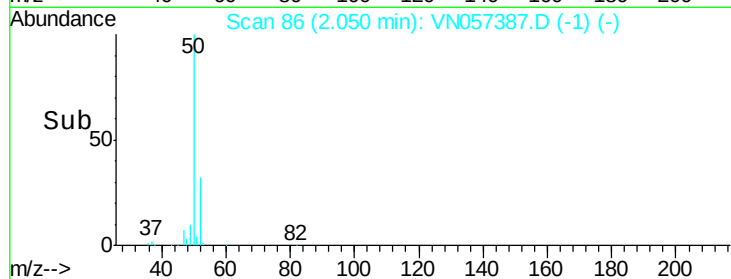
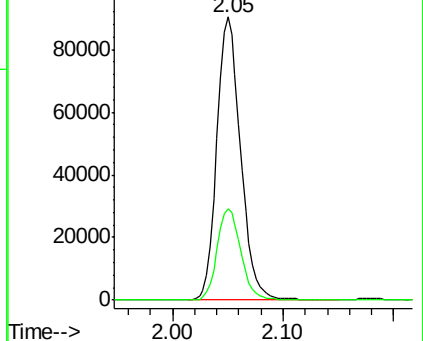
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.302 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057387.D

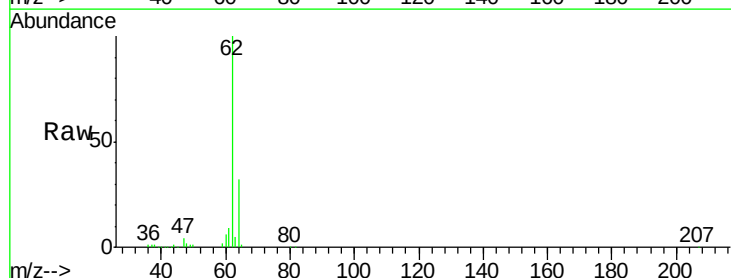
Acq: 19 Aug 2019 9:52

Tgt Ion: 62 Resp: 131933

Ion Ratio Lower Upper

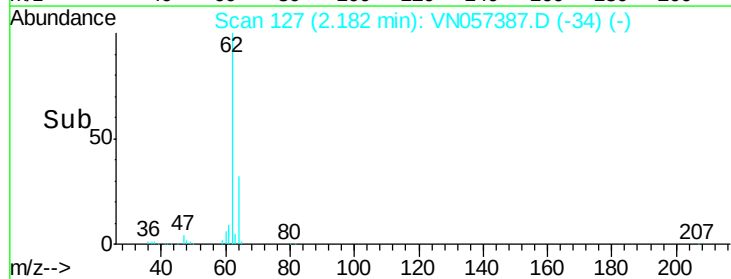
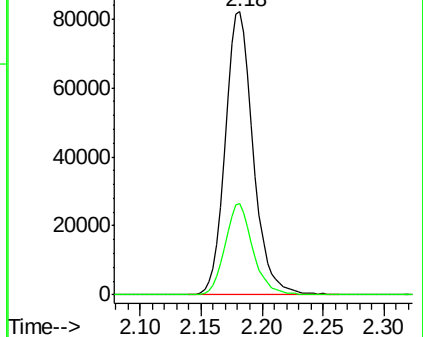
62 100

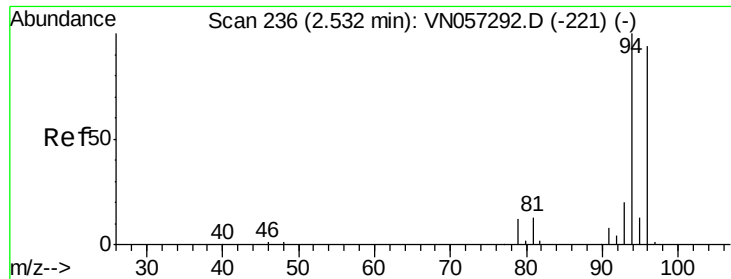
64 32.2 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.252 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 94 Resp: 106035

Ion Ratio Lower Upper

94 100

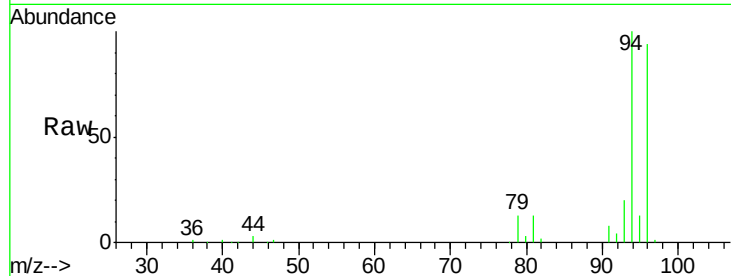
96 94.1 75.0 112.6

Manual Integrations

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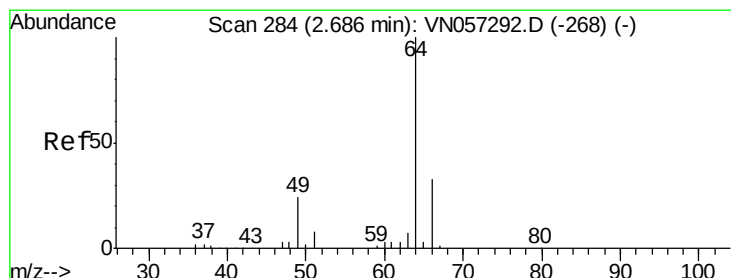
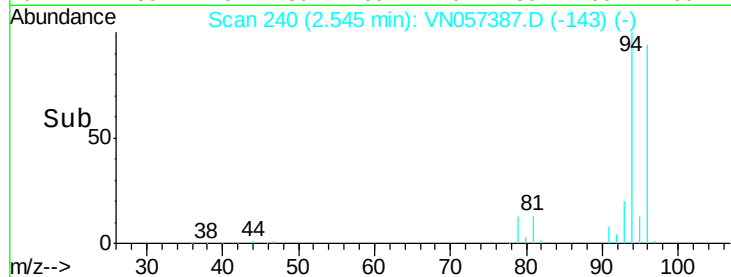
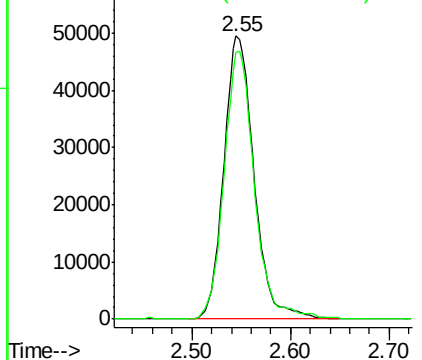
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 16.085 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN057387.D

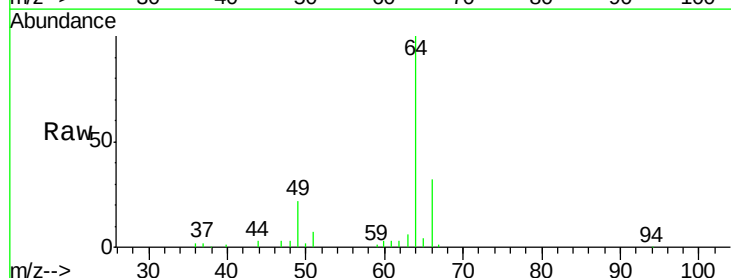
Acq: 19 Aug 2019 9:52

Tgt Ion: 64 Resp: 95396

Ion Ratio Lower Upper

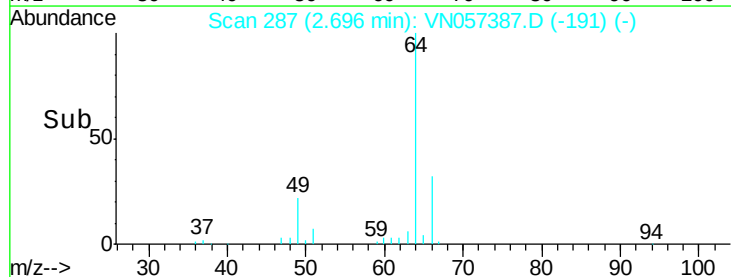
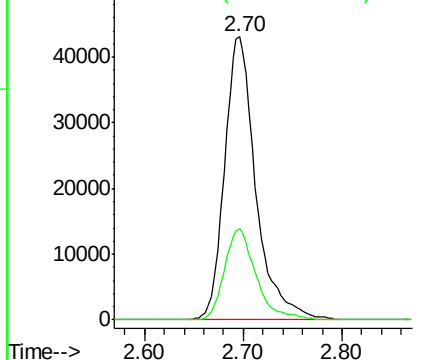
64 100

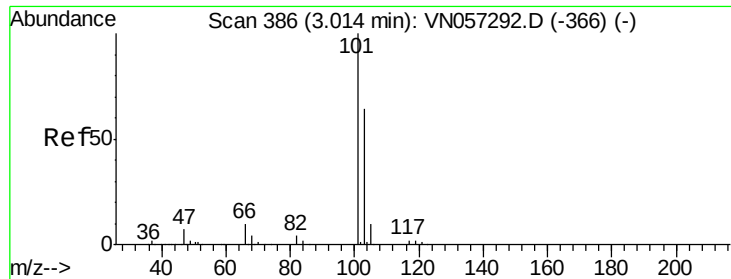
66 32.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

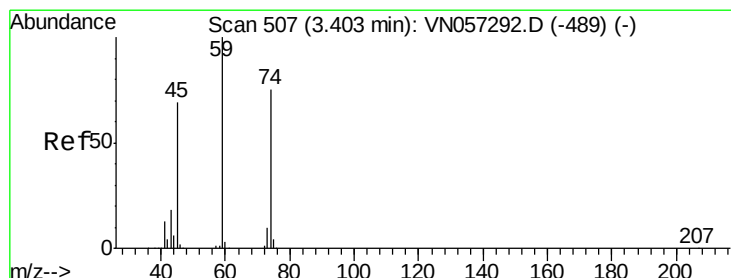
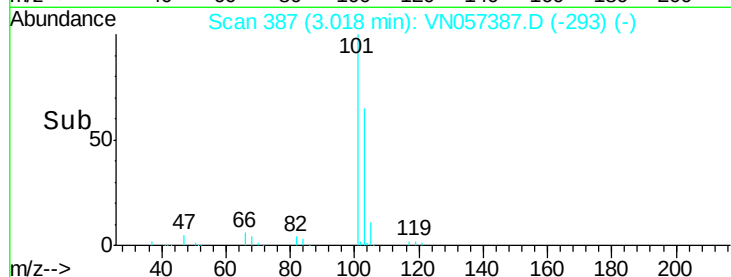
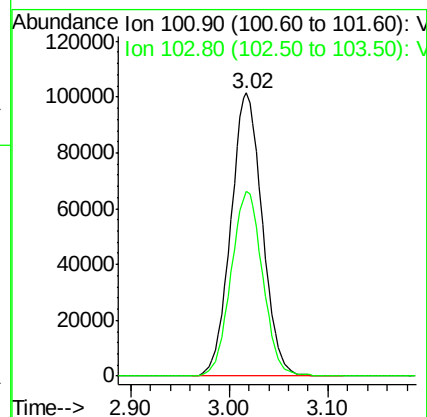
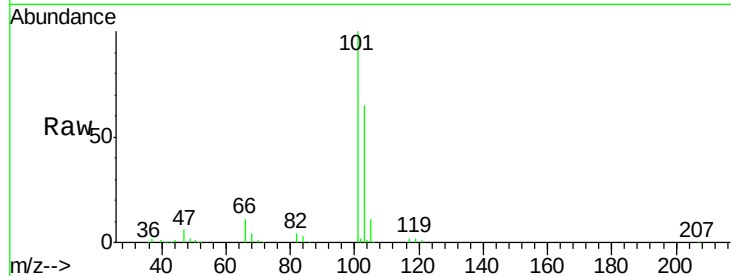
Trichlorofluoromethane
Concen: 16.689 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	225714		
103	65.1	51.5	77.3	

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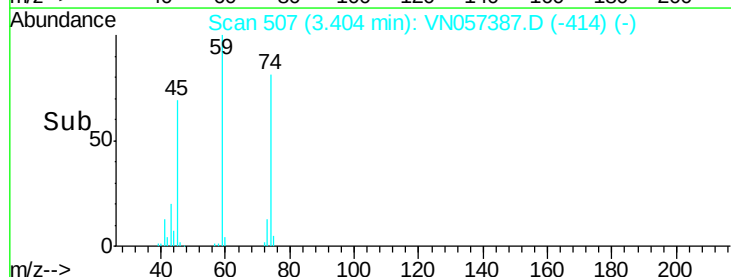
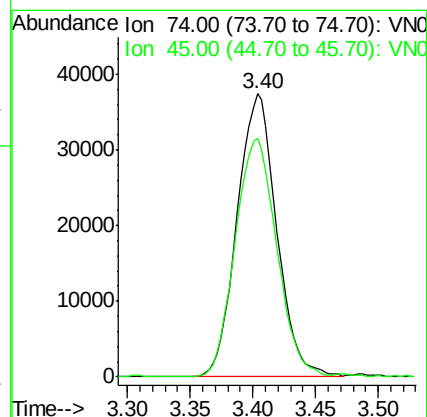
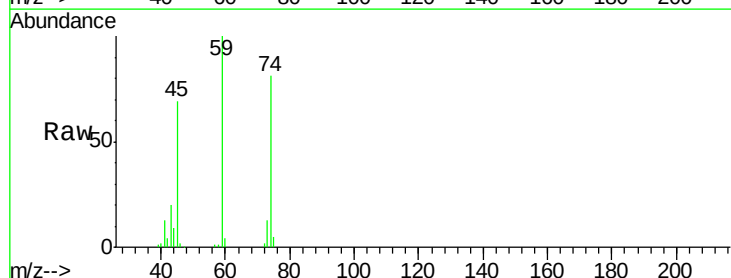
MMDadoda
8/21/2019 9:45:05 AM

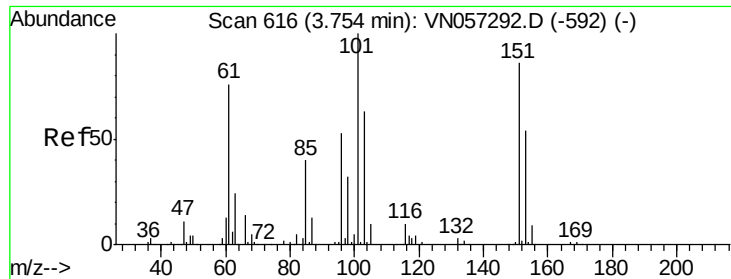


#8

Diethyl Ether
Concen: 16.143 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	82175		
45	88.4	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.345 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

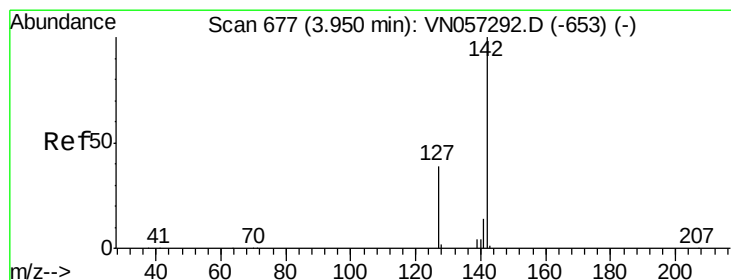
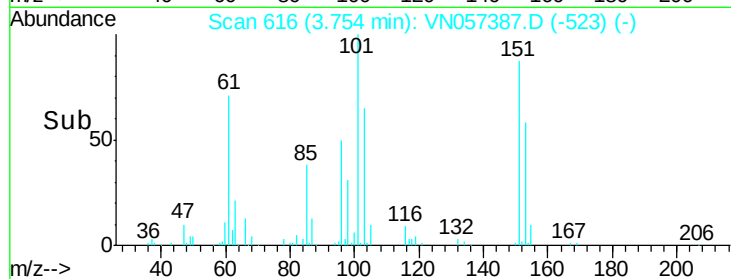
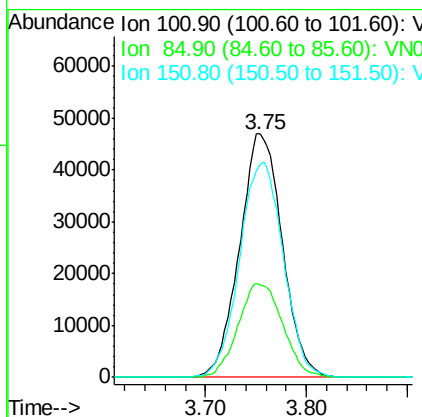
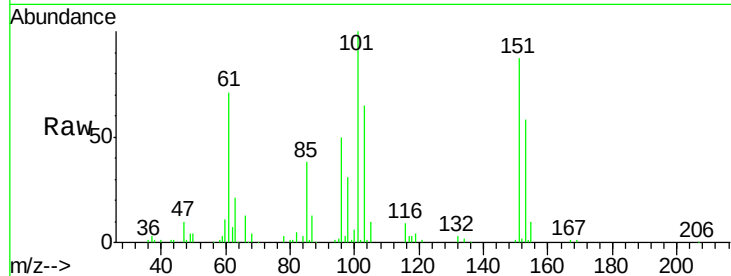
ClientSampleId :

VN0819WBS01

Tot Ion:	101	Resp:	137823
Ion Ratio	Lower	Upper	
101	100		
85	40.3	32.7	49.1
151	90.8	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 16.697 ug/l

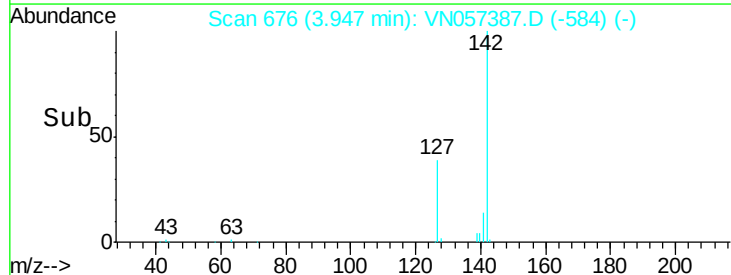
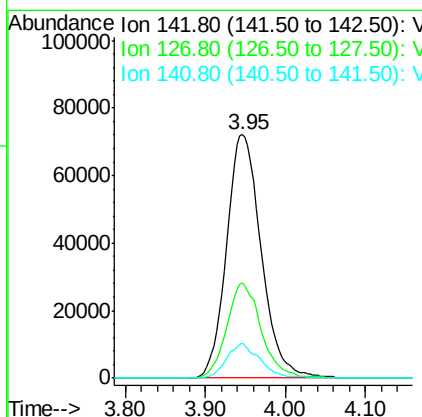
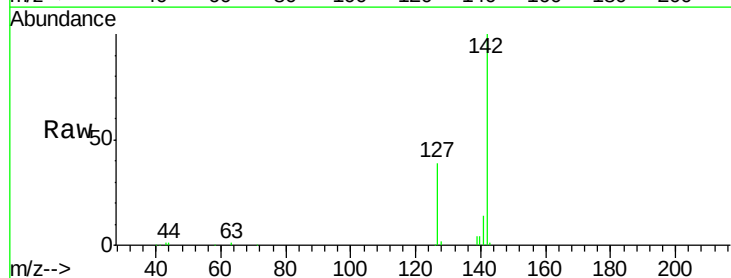
RT: 3.95 min Scan# 676

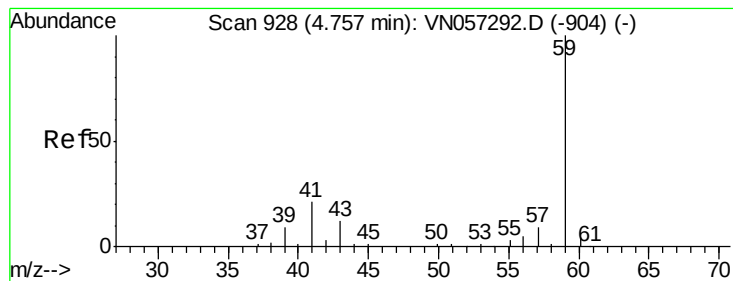
Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	142	Resp:	212073
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.6	47.4
141	13.6	11.2	16.8





#11

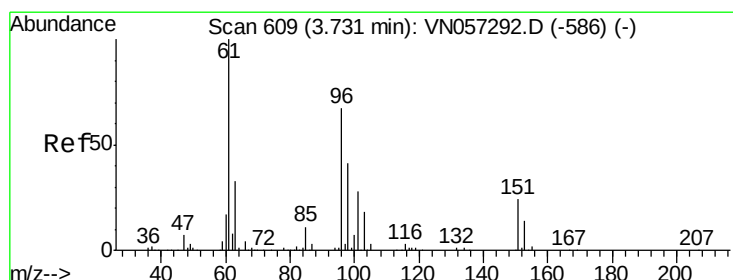
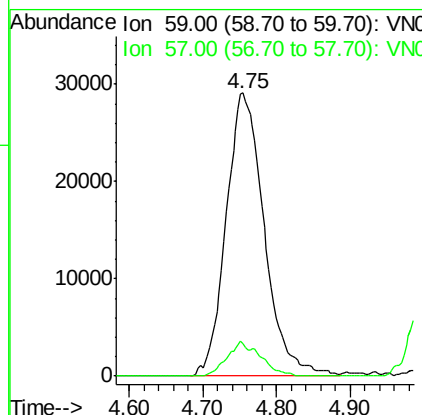
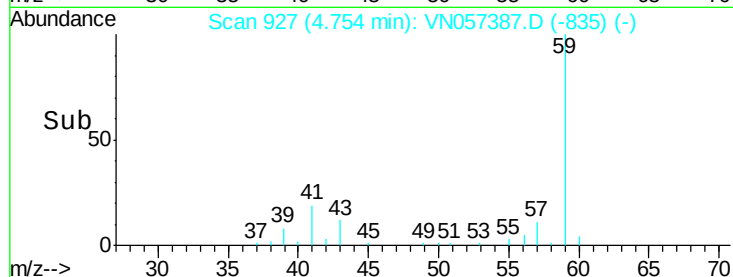
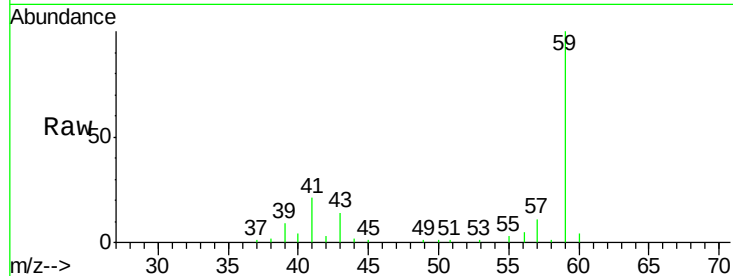
Tert butyl alcohol
Concen: 75.050 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	104660		
57	6.2	8.2	12.2#	

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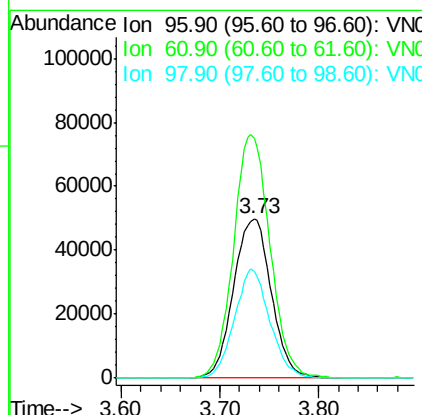
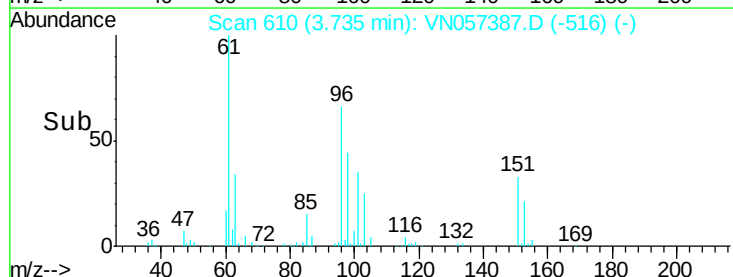
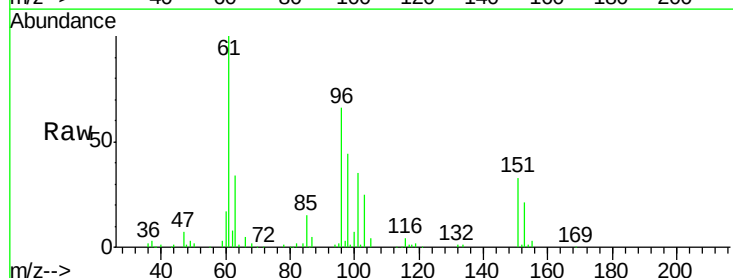
MMDadoda
8/21/2019 9:45:05 AM

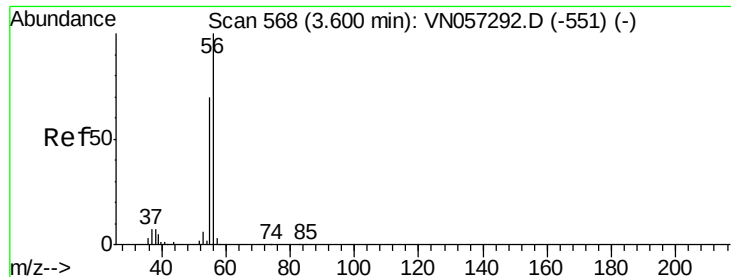


#12

1,1-Dichloroethene
Concen: 16.738 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	132513		
61	150.2	119.7	179.5	
98	66.8	49.0	73.4	





#13

Acrolein

Concen: 55.320 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 56 Resp: 46833

Ion Ratio Lower Upper

56 100

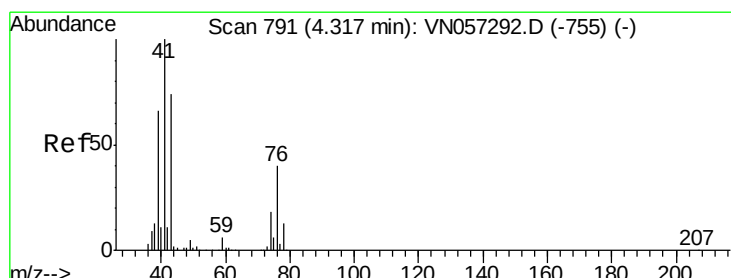
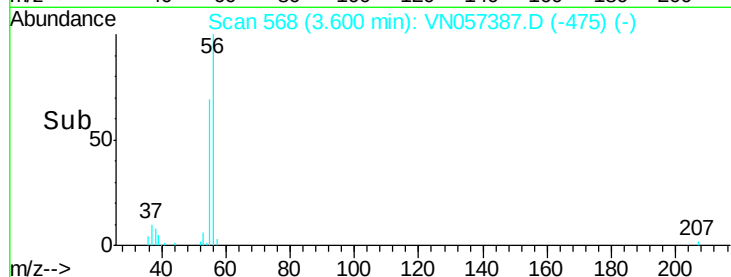
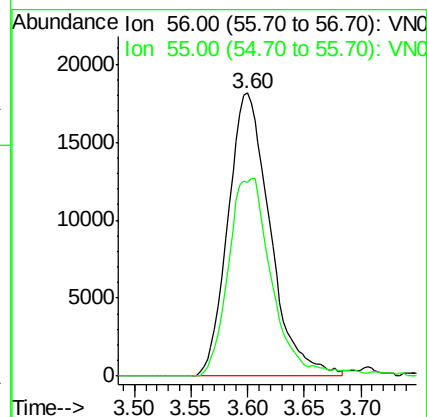
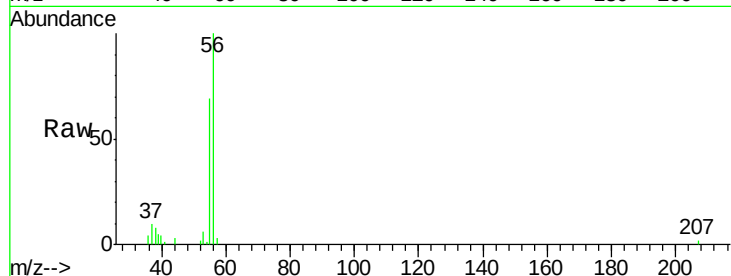
55 71.8 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 15.513 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

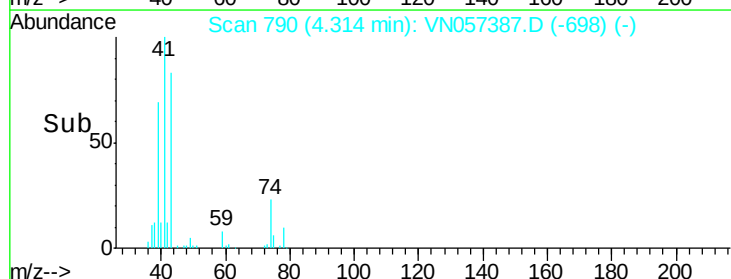
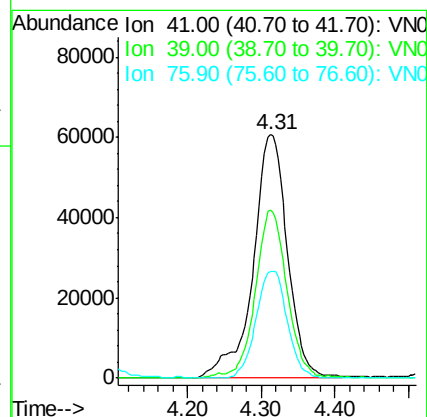
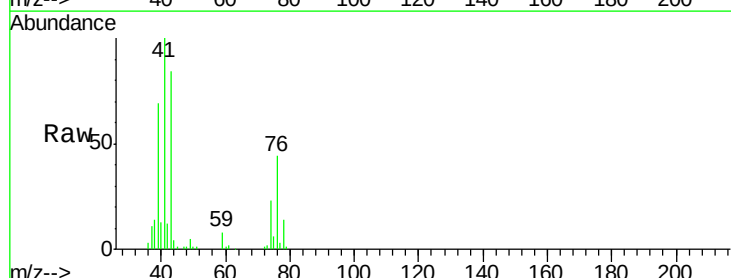
Tgt Ion: 41 Resp: 196867

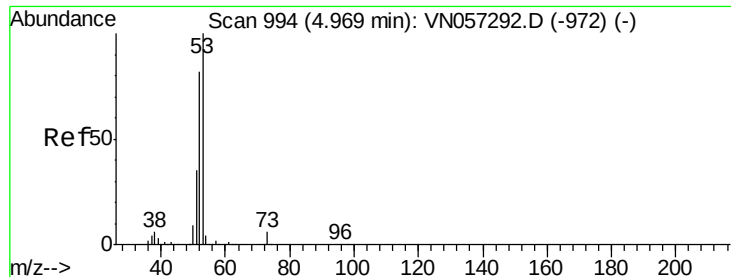
Ion Ratio Lower Upper

41 100

39 61.4 49.0 73.6

76 39.8 29.0 43.4





#15

Acrylonitrile

Concen: 79.407 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

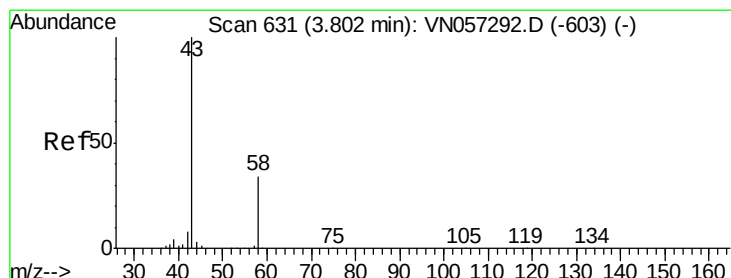
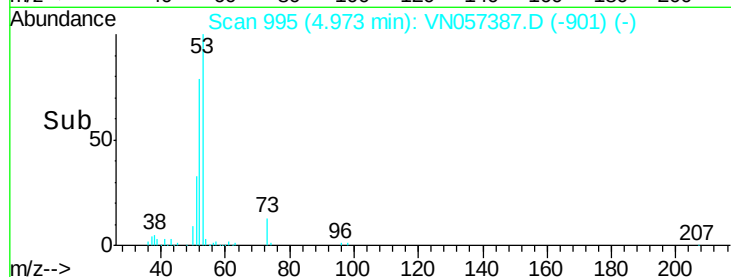
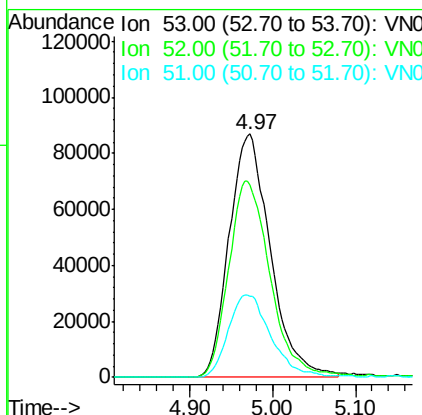
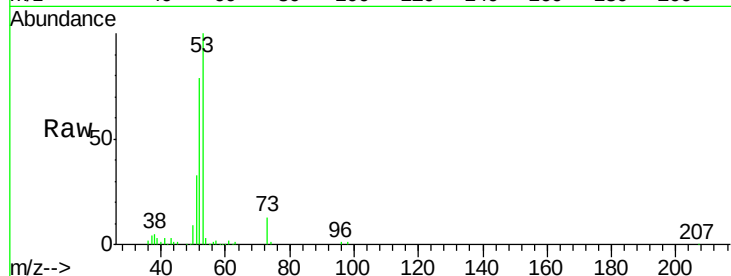
ClientSampleId :

VN0819WBS01

Tot Ion:	53	Resp:	300641
Ion Ratio	Lower	Upper	
53	100		
52	81.1	66.2	99.2
51	34.8	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 89.111 ug/l

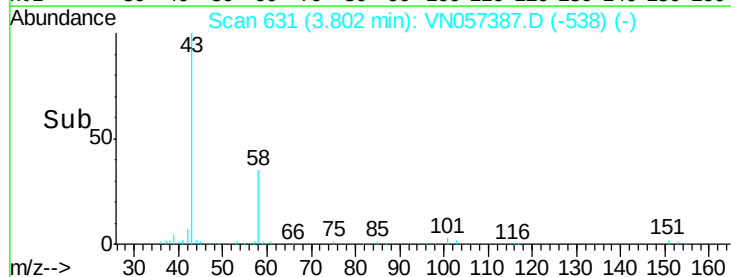
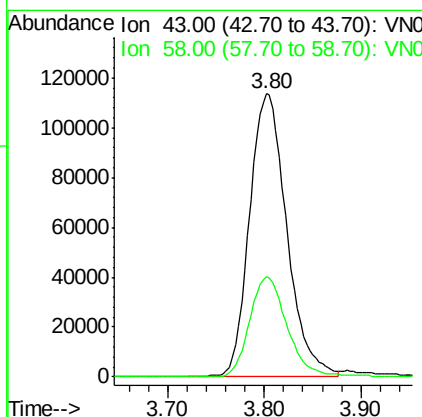
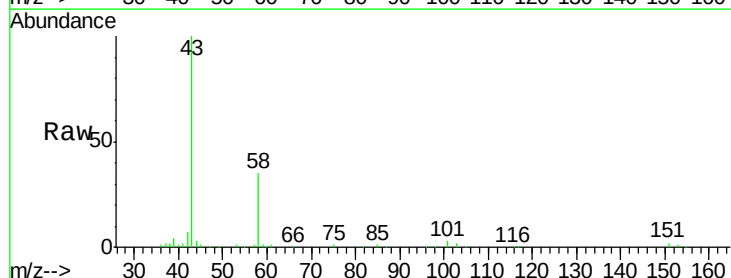
RT: 3.80 min Scan# 631

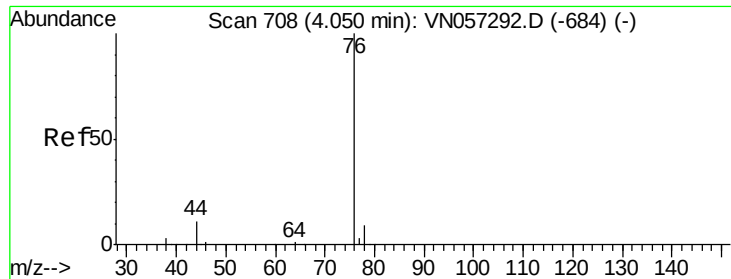
Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	43	Resp:	303231
Ion Ratio	Lower	Upper	
43	100		
58	35.5	27.0	40.6





#17

Carbon Disulfide

Concen: 16.001 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 76 Resp: 341280

Ion Ratio Lower Upper

76 100

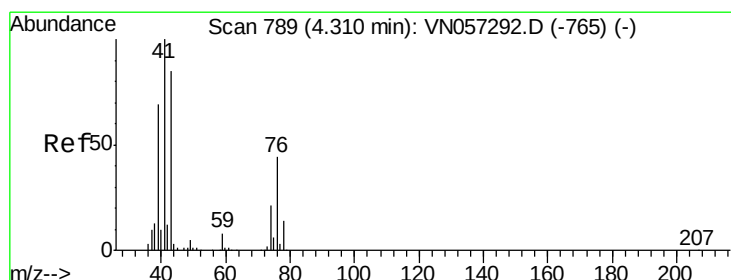
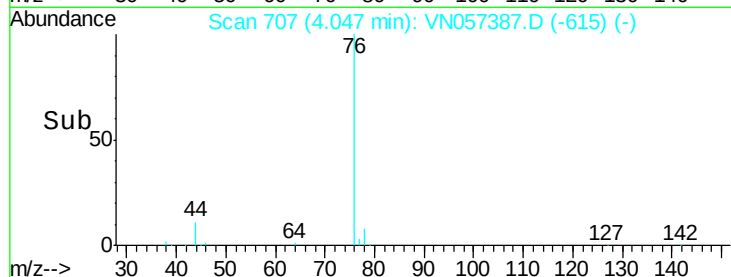
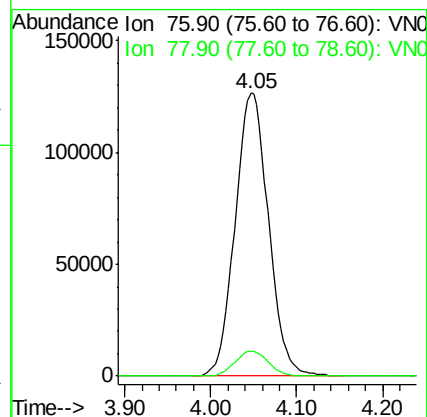
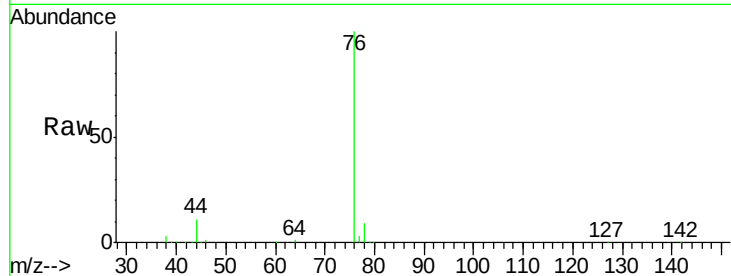
78 8.8 7.0 10.6

Manual Integrations

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MMDadoda

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#18

Methyl Acetate

Concen: 15.530 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057387.D

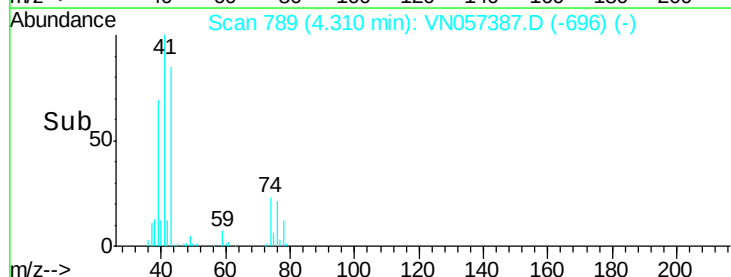
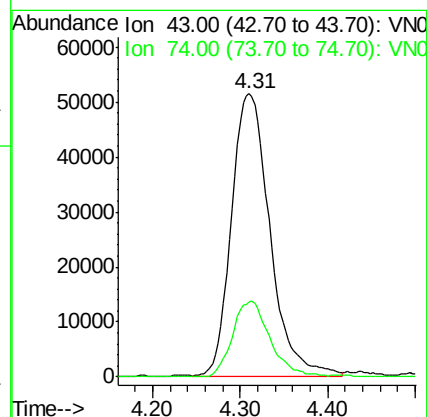
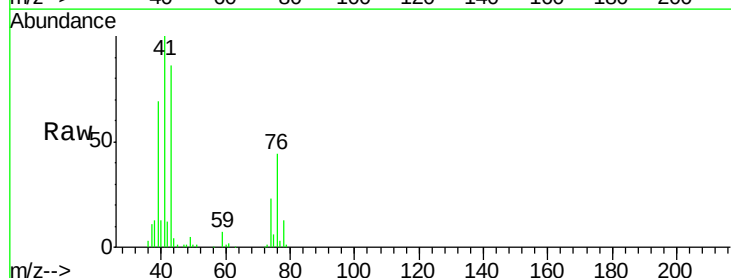
Acq: 19 Aug 2019 9:52

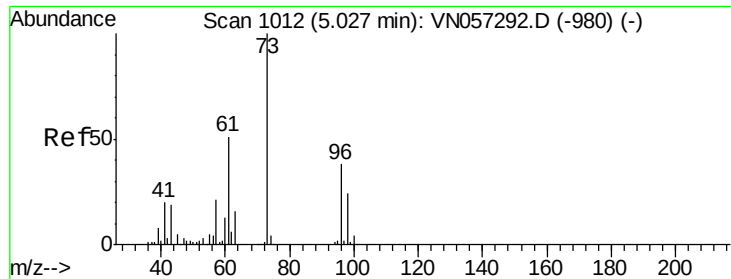
Tgt Ion: 43 Resp: 156370

Ion Ratio Lower Upper

43 100

74 26.0 20.2 30.2





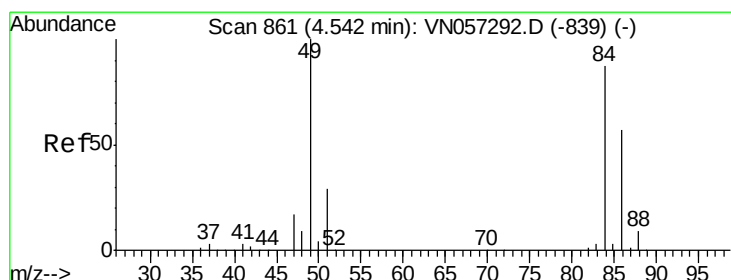
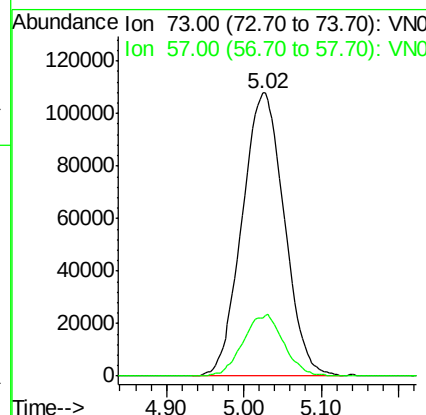
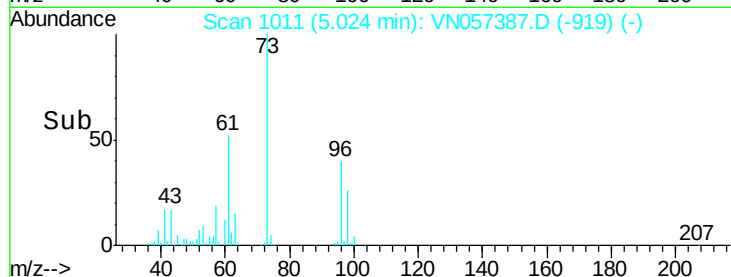
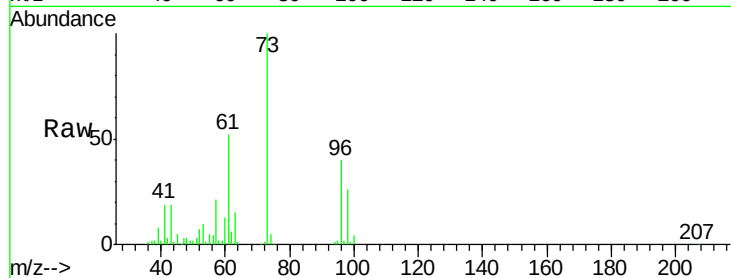
#19
Methyl tert-butyl Ether
Concen: 16.509 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion: 73 Resp: 410104
Ion Ratio Lower Upper
73 100
57 20.6 16.9 25.3

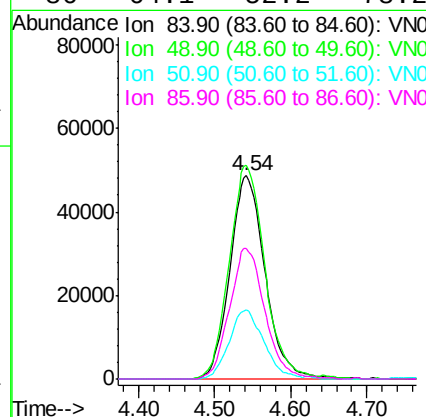
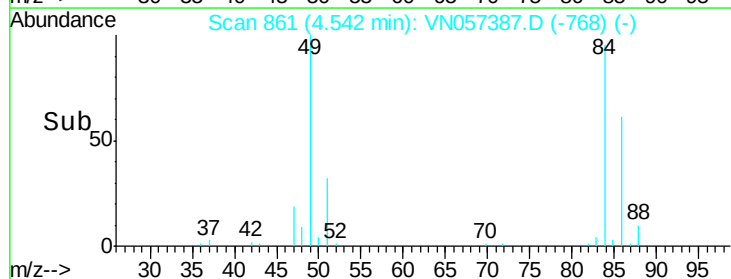
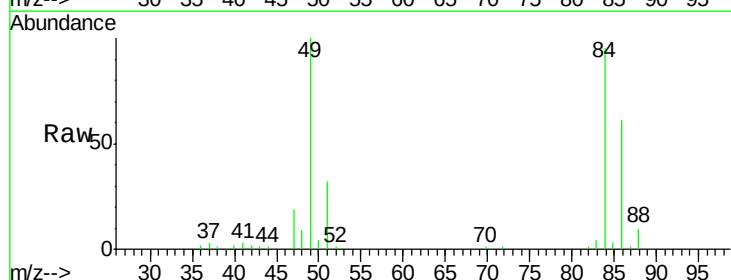
Manual Integrations
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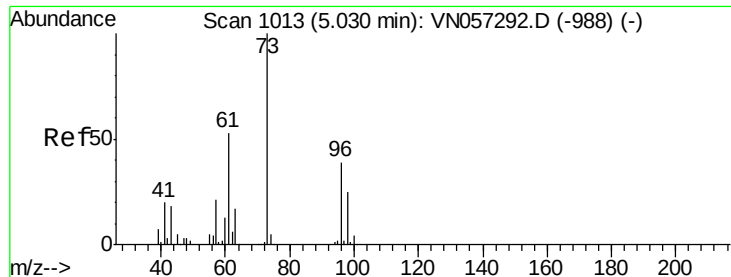
MMDadoda
8/21/2019 9:45:05 AM



#20
Methylene Chloride
Concen: 16.439 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 84 Resp: 156515
Ion Ratio Lower Upper
84 100
49 105.3 92.0 138.0
51 34.0 27.1 40.7
86 64.1 52.2 78.2





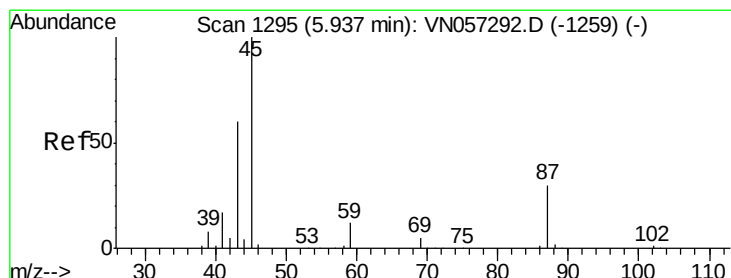
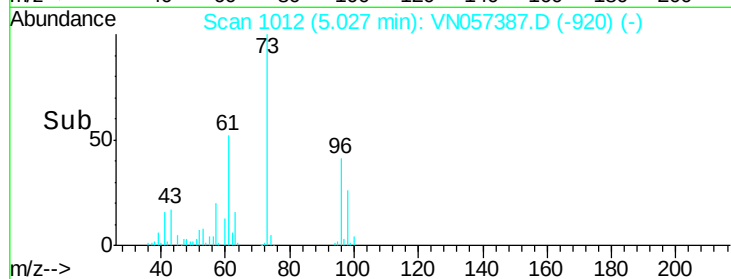
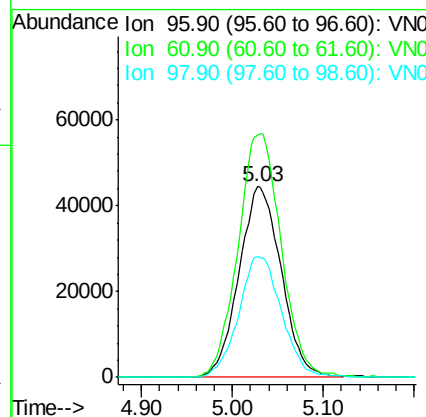
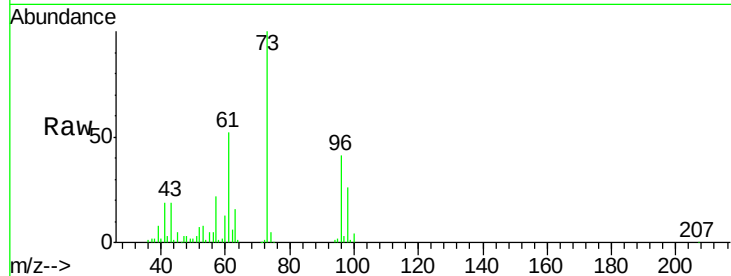
#21
trans-1,2-Dichloroethene
Concen: 16.810 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	109.5	164.3
98	63.4	51.0	76.6

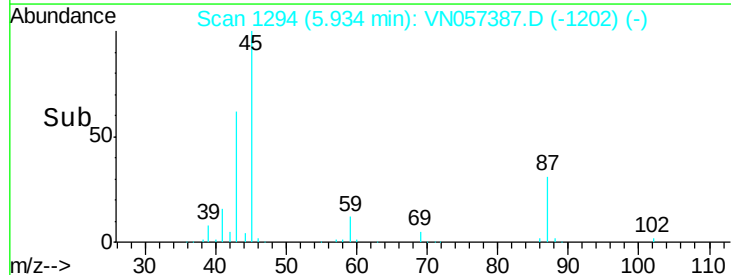
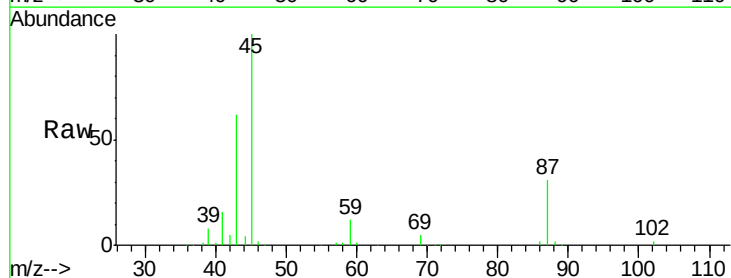
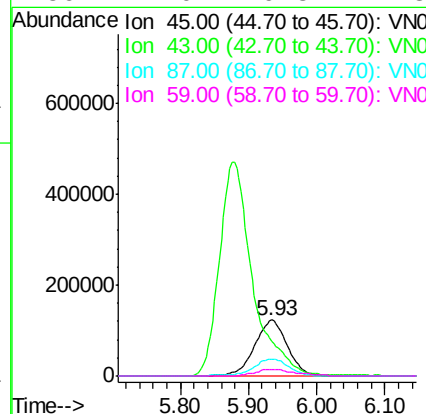
Manual Integrations
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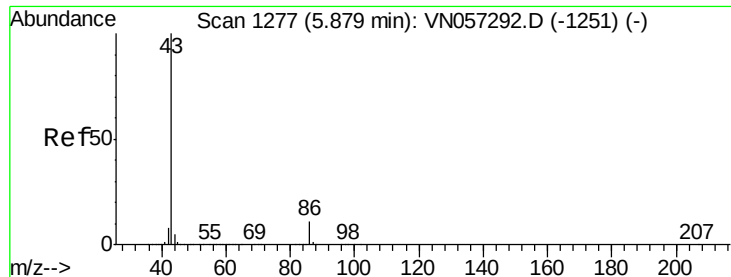
MMDadoda
8/21/2019 9:45:05 AM



#22
Diisopropyl ether
Concen: 16.458 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.3	72.5
87	30.8	24.6	36.8
59	12.0	9.8	14.8





#23

Vinyl Acetate

Concen: 78.809 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion: 43 Resp: 1590062

Ion Ratio Lower Upper

43 100

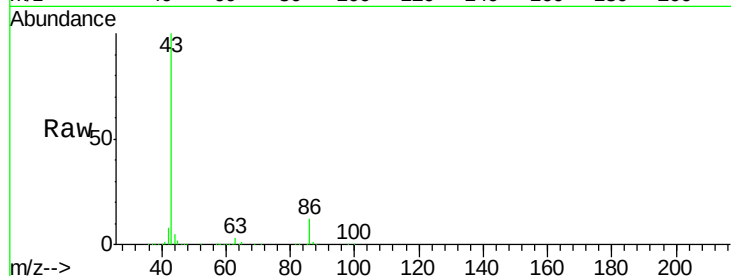
86 12.0 8.7 13.1

Manual Integrations

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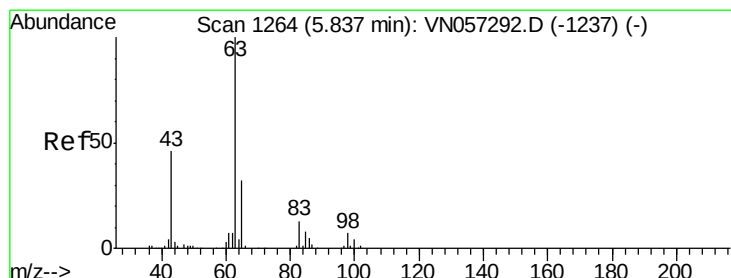
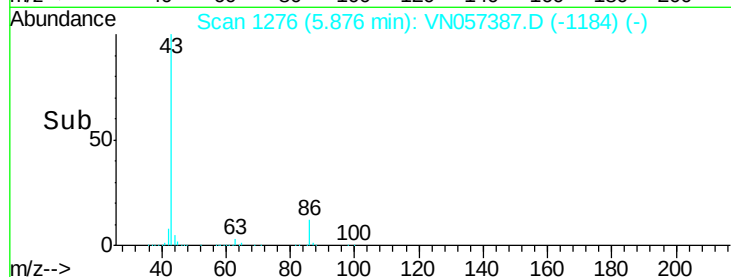
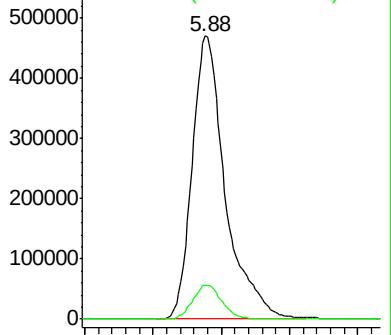
MMDadoda

8/21/2019 9:45:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 16.499 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

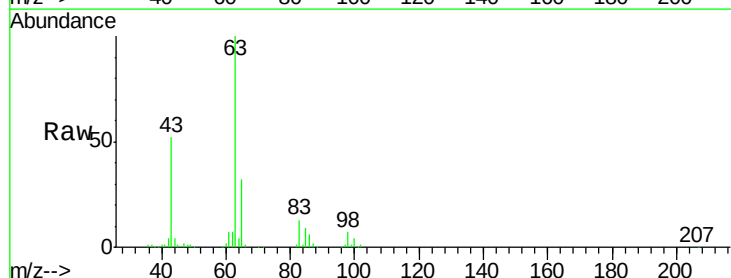
Tgt Ion: 63 Resp: 254473

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

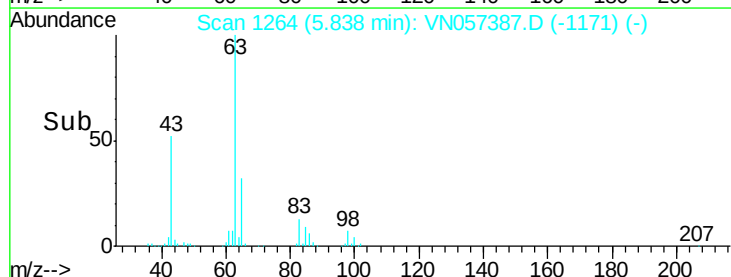
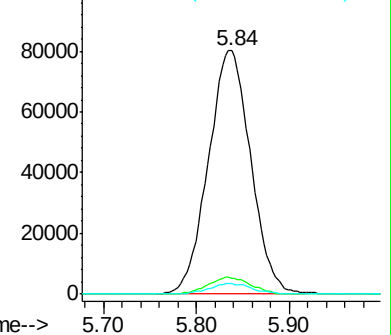
100 4.3 2.1 6.5

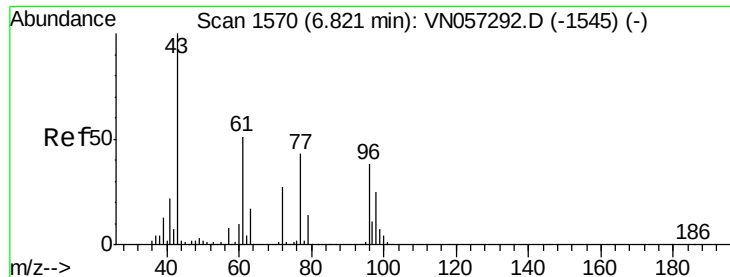


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 80.013 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 43 Resp: 394281

Ion Ratio Lower Upper

43 100

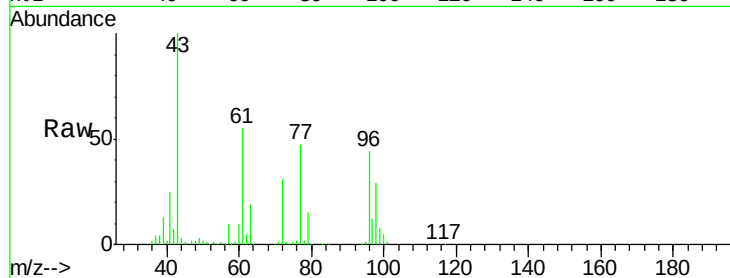
72 30.8 21.5 32.3

Manual Integrations

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MMDadoda

8/21/2019 9:45:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.82

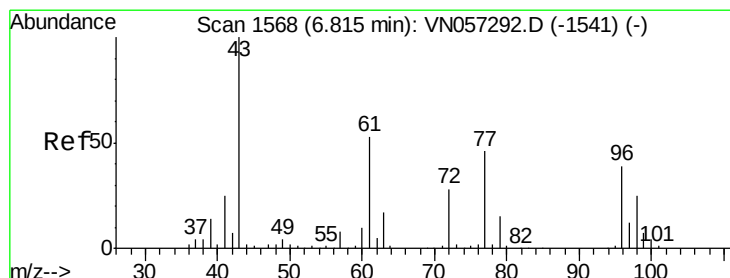
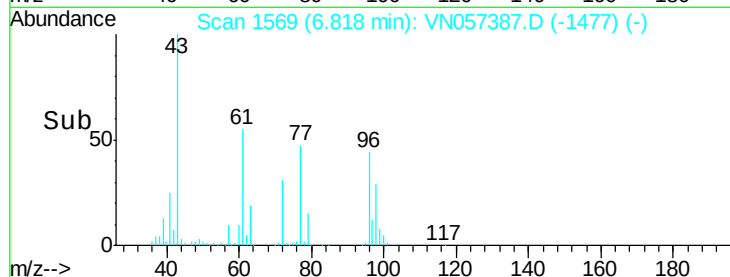
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.672 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN057387.D

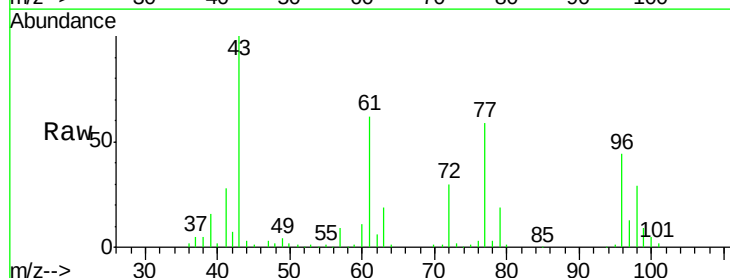
Acq: 19 Aug 2019 9:52

Tgt Ion: 77 Resp: 220278

Ion Ratio Lower Upper

77 100

97 24.1 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

80000

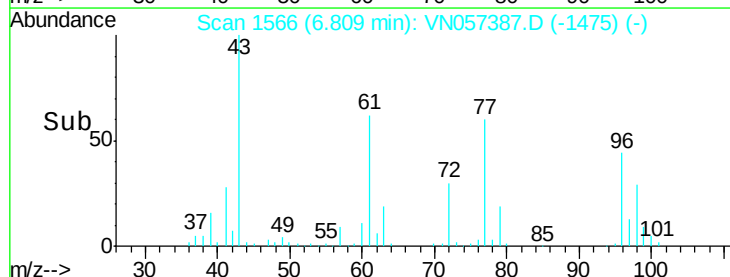
60000

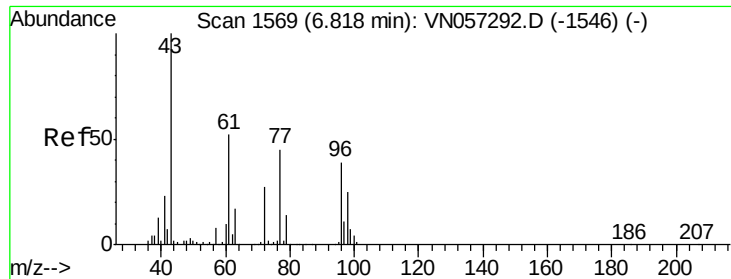
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 16.761 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

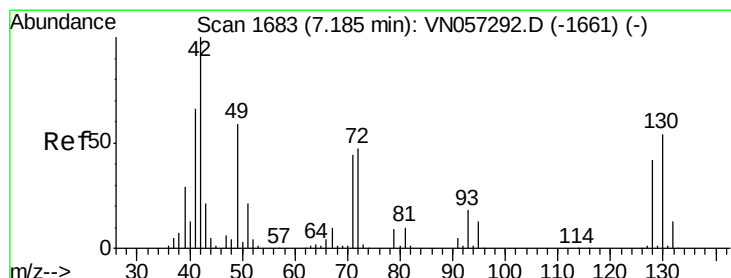
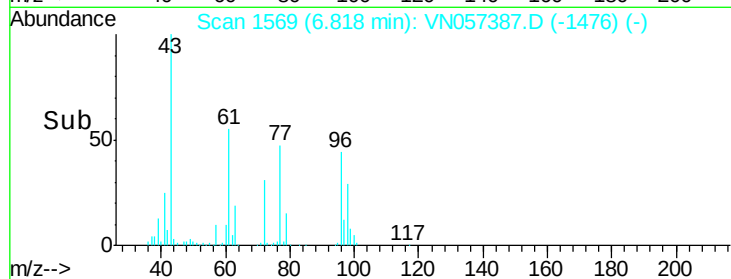
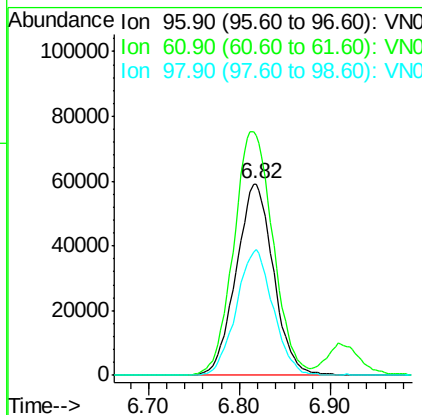
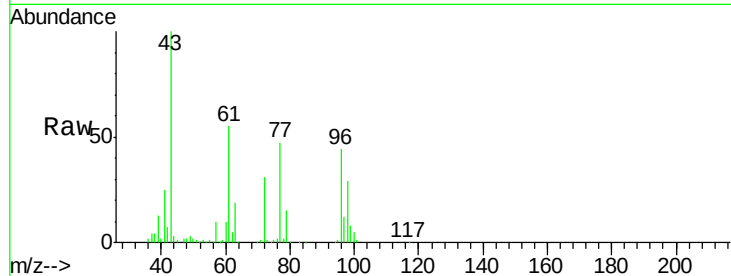
ClientSampleId :

VN0819WBS01

Tot Ion:	96	Resp:	168944
Ion Ratio	Lower	Upper	
96	100		
61	133.9	0.0	272.0
98	64.5	0.0	130.4

Manual Integrations
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8/21/2019 9:45:05 AM



#28

Bromochloromethane

Concen: 18.227 ug/l

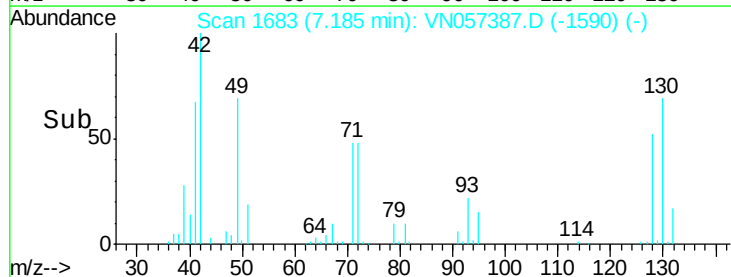
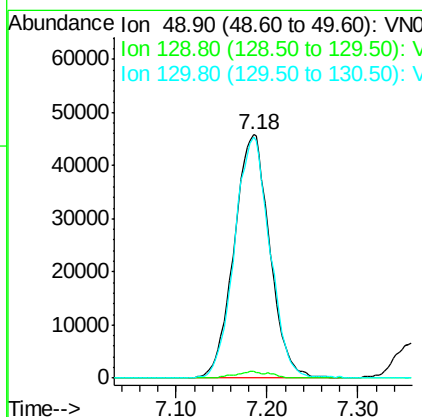
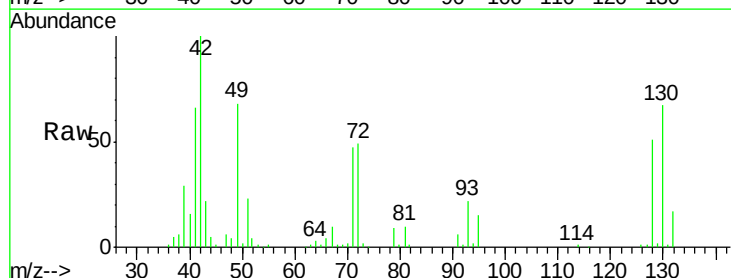
RT: 7.18 min Scan# 1683

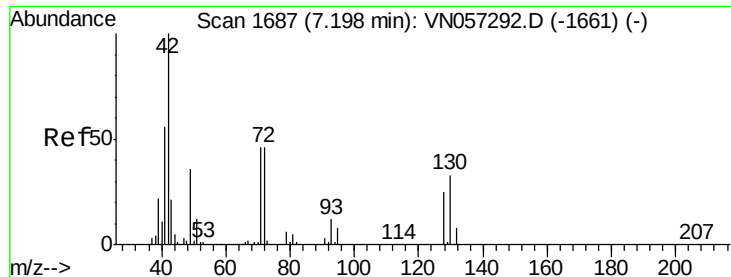
Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	49	Resp:	124911
Ion Ratio	Lower	Upper	
49	100		
129	2.6	0.0	2.0#
130	97.8	73.2	109.8





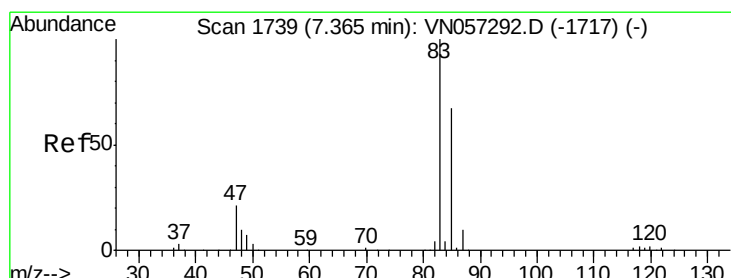
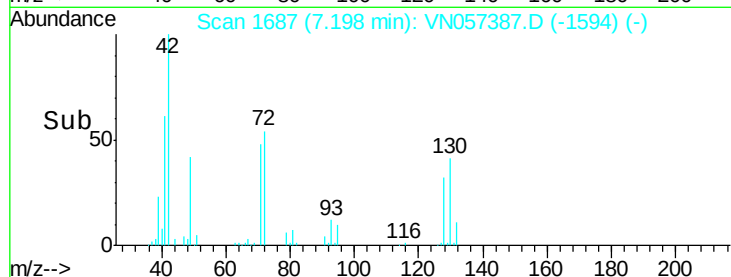
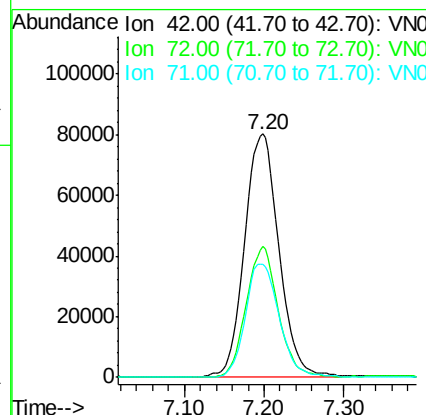
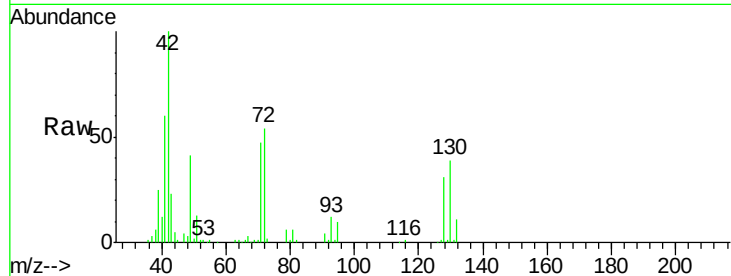
#29
Tetrahydrofuran
Concen: 74.954 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	37.8	56.6
71	45.9	35.7	53.5

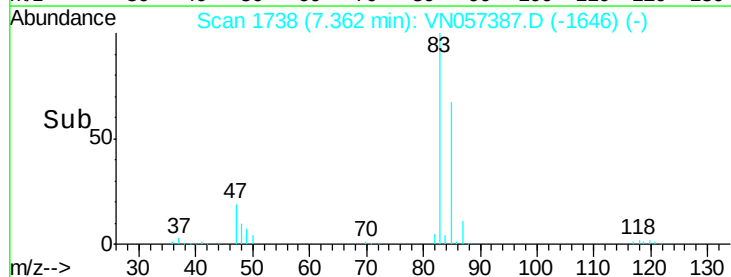
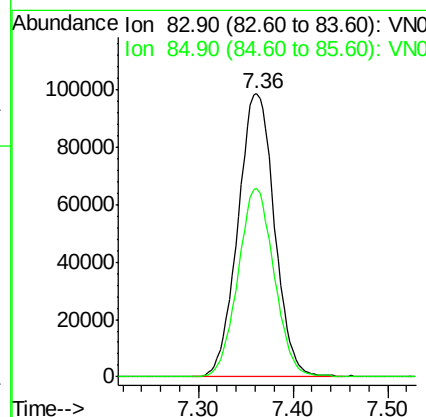
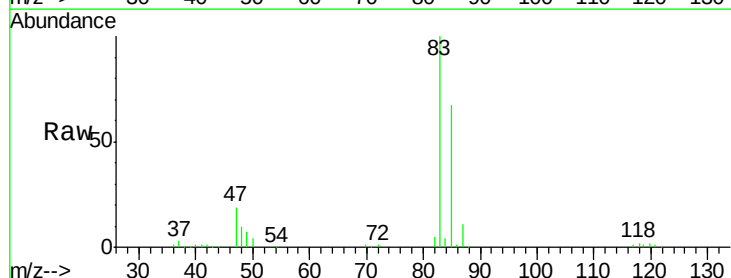
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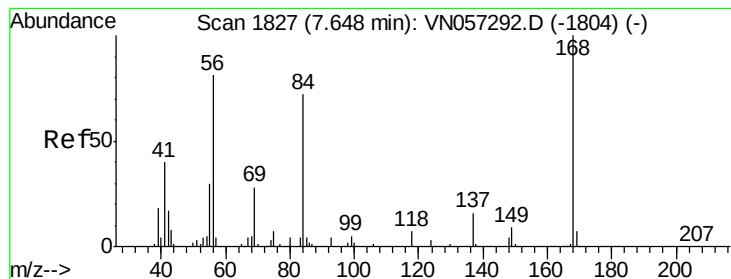
MMDadoda
8/21/2019 9:45:05 AM



#30
Chloroform
Concen: 16.385 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.3	79.9





#31

Cyclohexane

Concen: 15.751 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

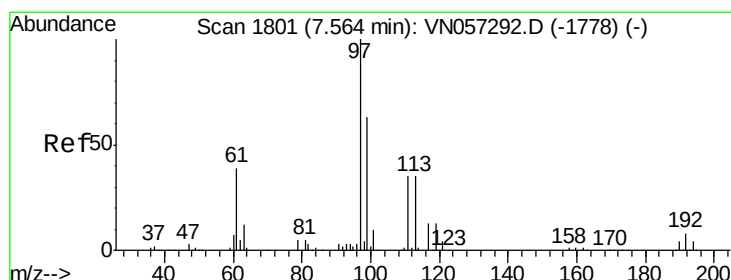
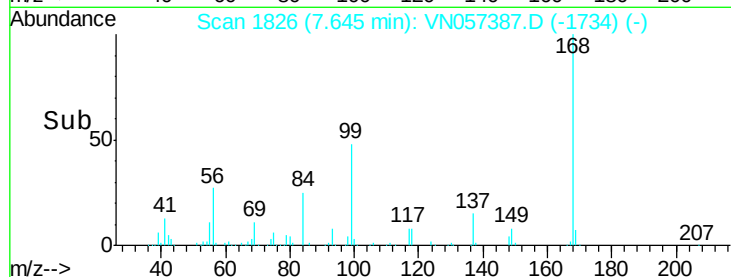
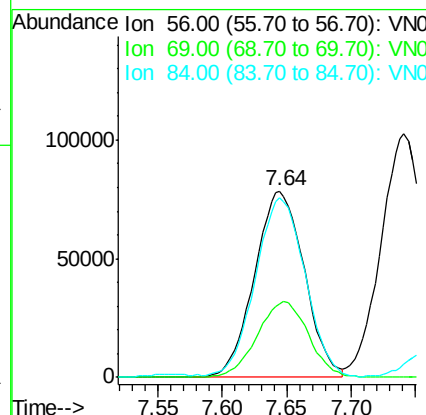
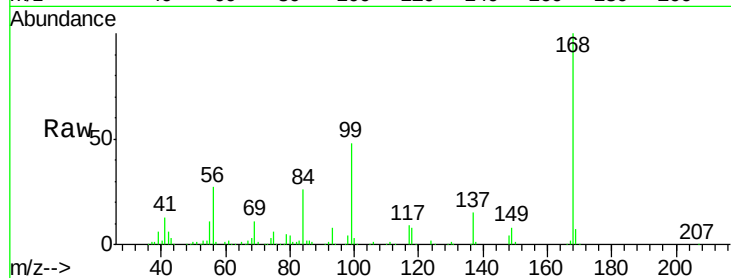
VN0819WBS01

Tot Ion: 56 Resp: 210527

Ion	Ratio	Lower	Upper
56	100		
69	39.6	27.3	40.9
84	95.2	71.0	106.6

Manual Integrations
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8/21/2019 9:45:05 AM



#32

1,1,1-Trichloroethane

Concen: 17.416 ug/l

RT: 7.56 min Scan# 1800

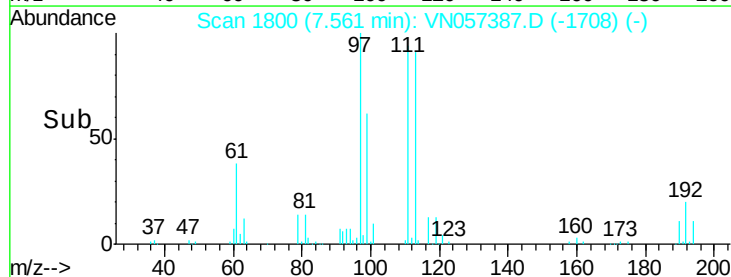
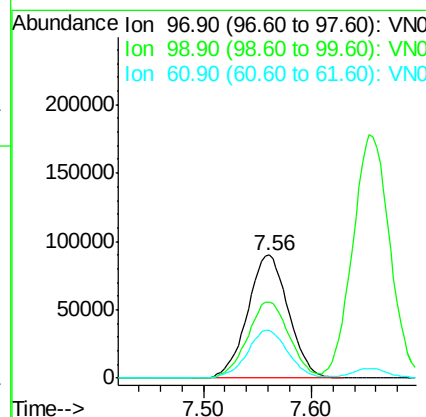
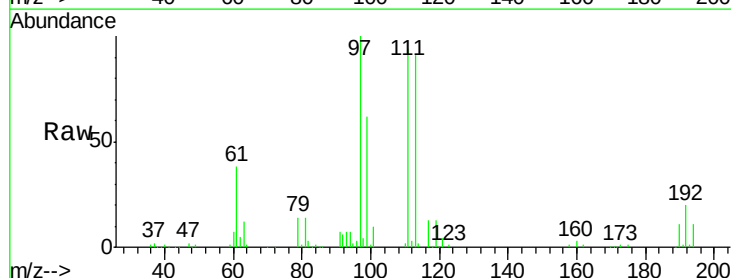
Delta R.T. -0.00 min

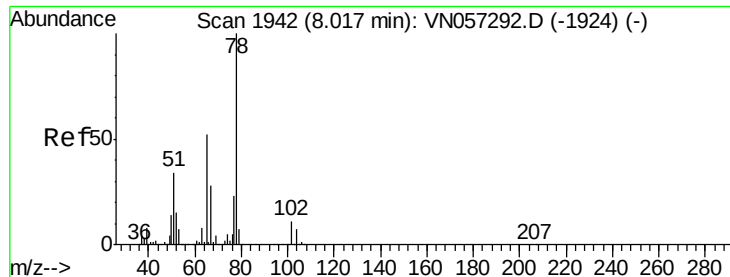
Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion: 97 Resp: 236766

Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.3	75.5
61	38.8	31.3	46.9





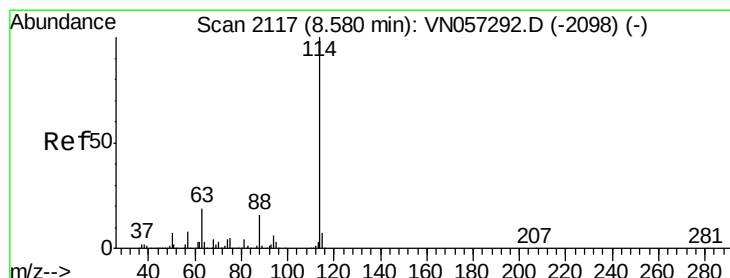
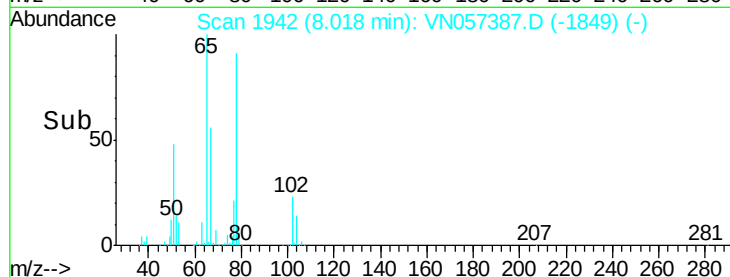
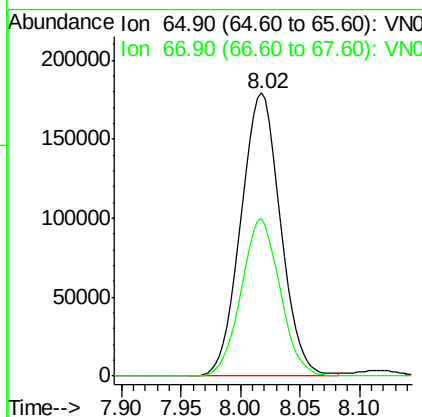
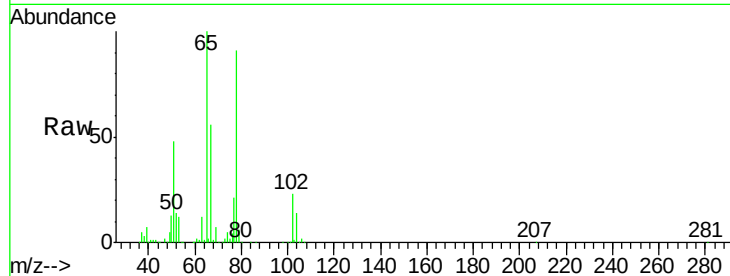
#33
 1,2-Dichloroethane-d4
 Concen: 42.208 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	107.4	

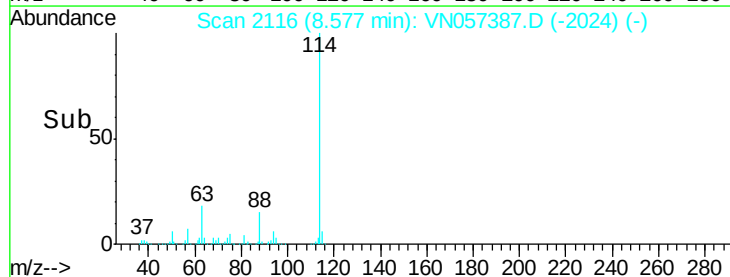
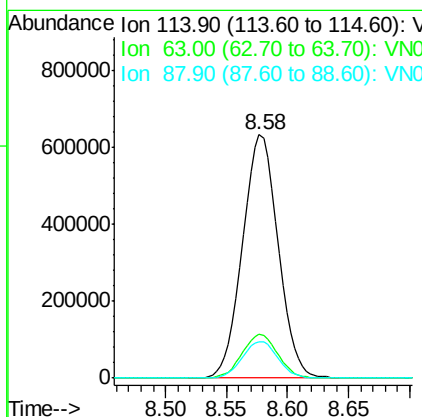
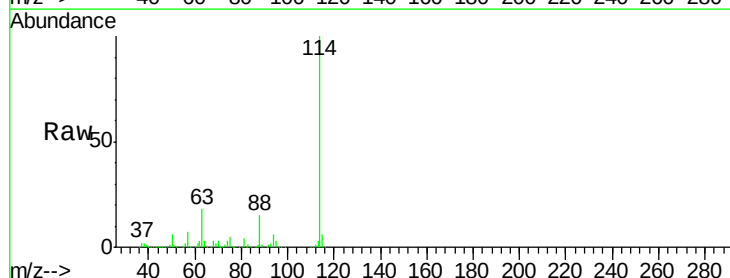
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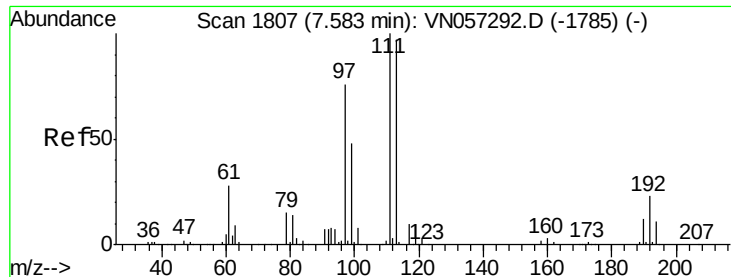
MMDadoda
 8/21/2019 9:45:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	38.8	
88	15.0	0.0	31.4	





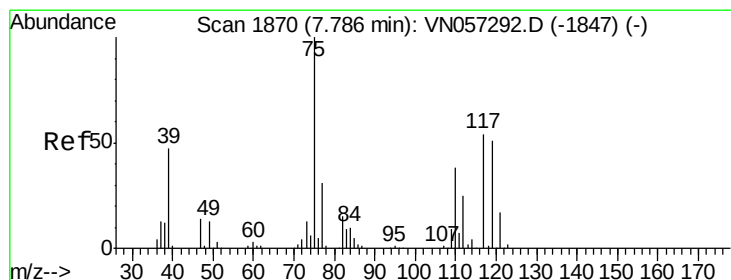
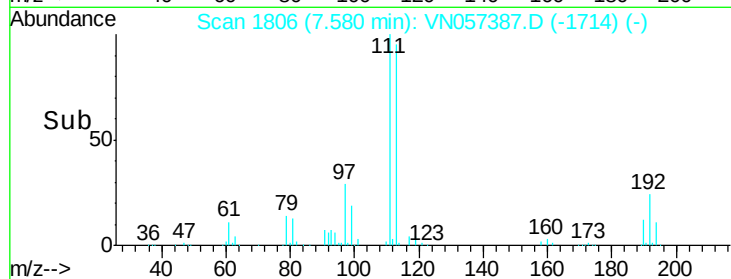
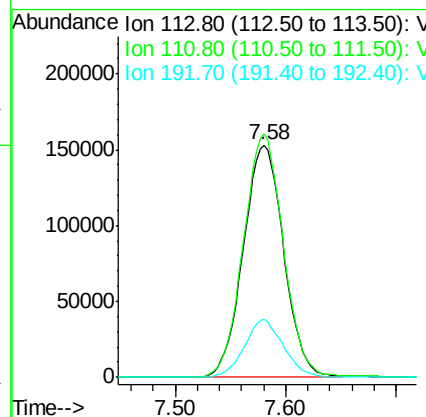
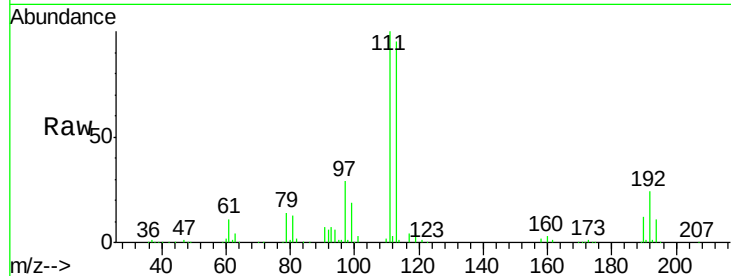
#35
 Dibromofluoromethane
 Concen: 46.353 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.6	82.1	123.1	
192	24.1	19.3	28.9	

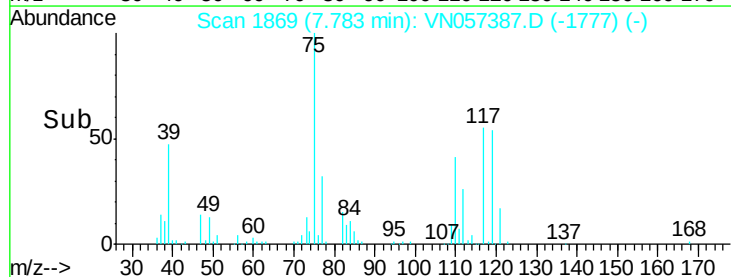
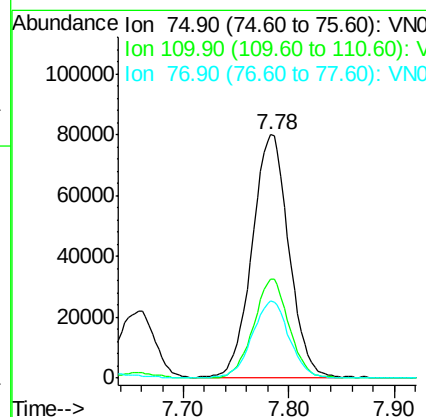
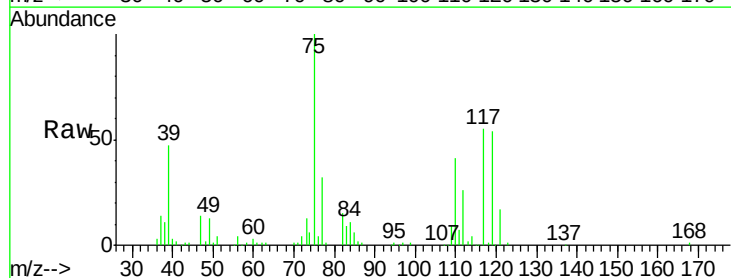
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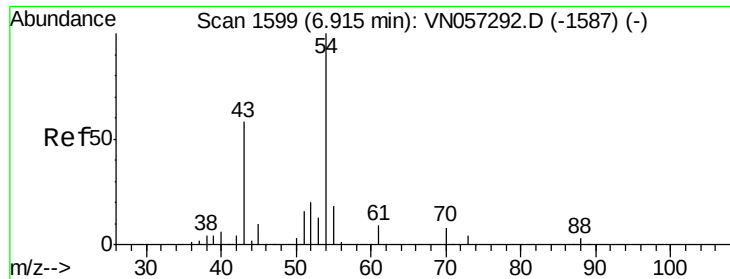
MMDadoda
 8/21/2019 9:45:05 AM



#36
 1,1-Dichloropropene
 Concen: 17.156 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	39.3	19.5	58.5	
77	32.0	25.0	37.6	





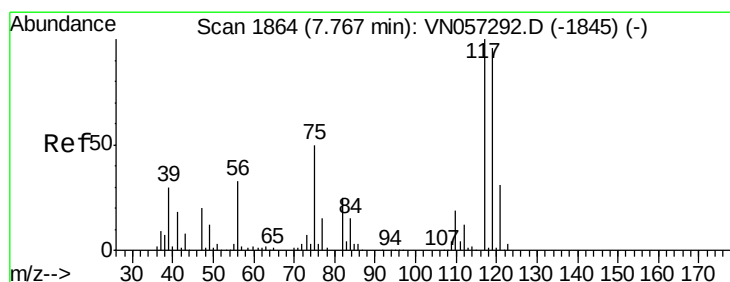
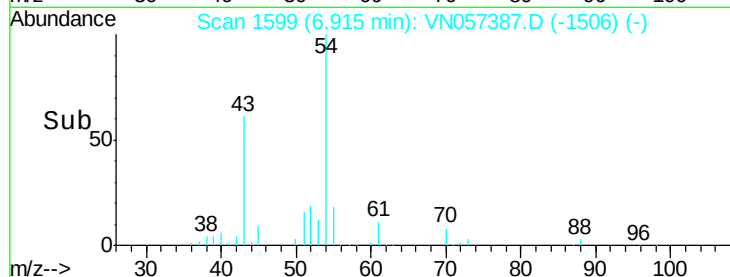
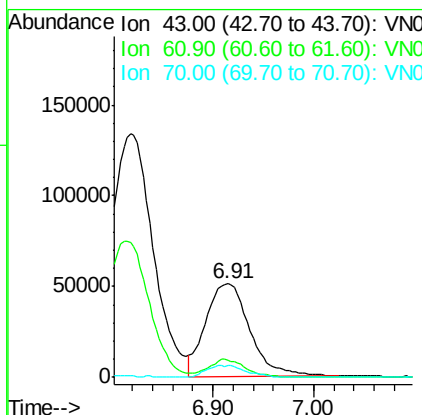
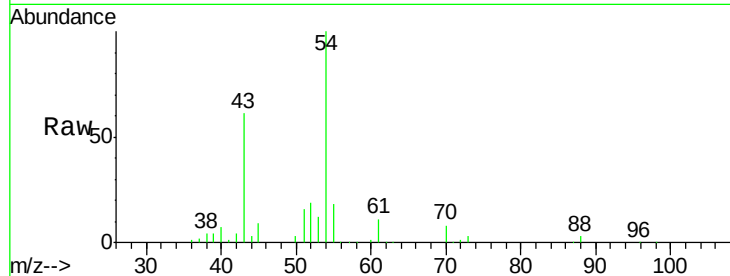
#37
Ethyl Acetate
Concen: 16.781 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.6	12.0	18.0
70	12.0	9.2	13.8

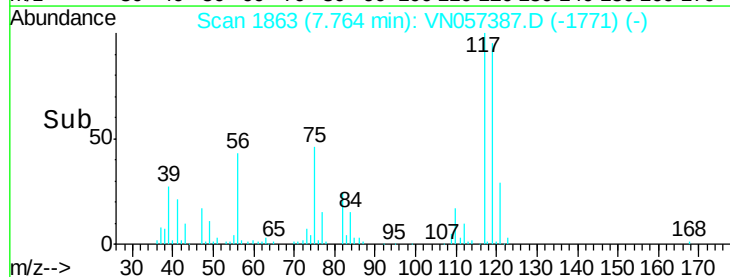
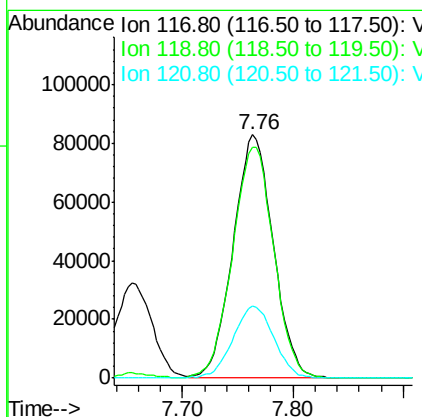
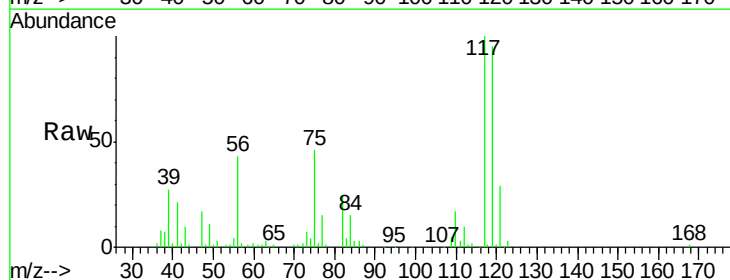
Manual Integrations
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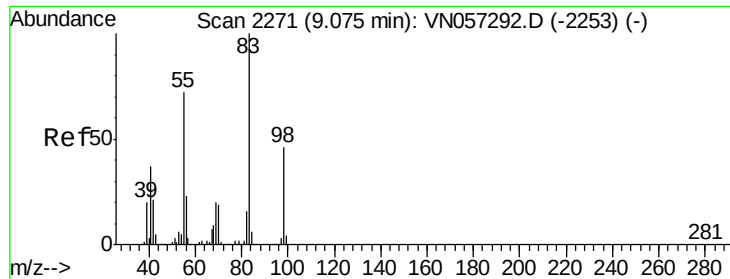
MMDadoda
8/21/2019 9:45:05 AM



#38
Carbon Tetrachloride
Concen: 17.815 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.8	115.2
121	29.5	25.0	37.4





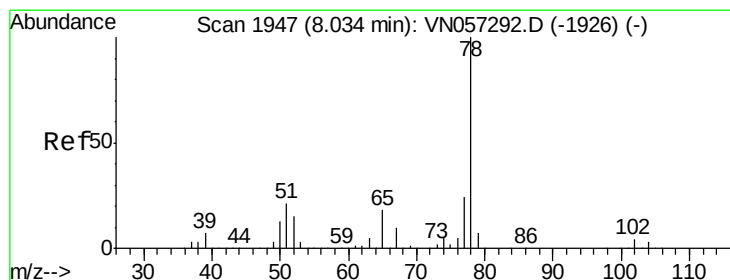
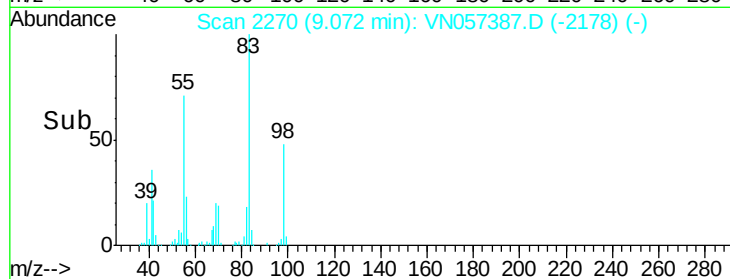
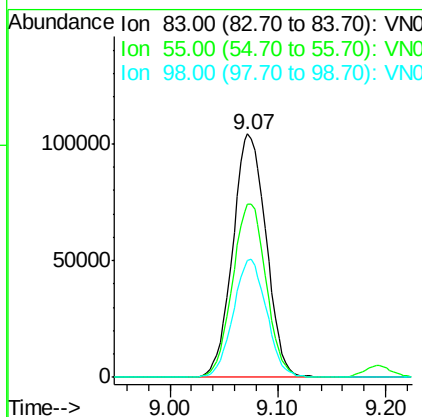
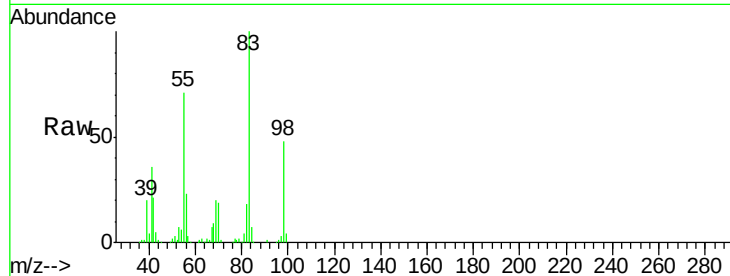
#39
Methylvlcyclohexane
Concen: 17.055 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.2	57.5	86.3
98	48.0	36.6	55.0

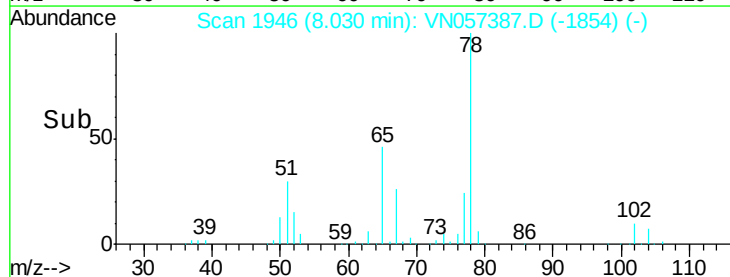
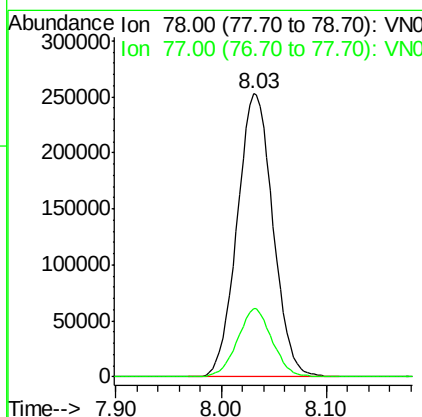
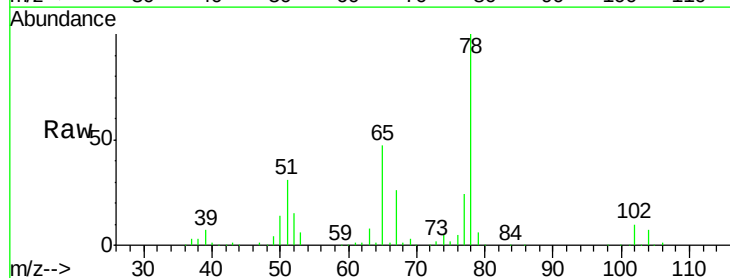
Manual Integrations
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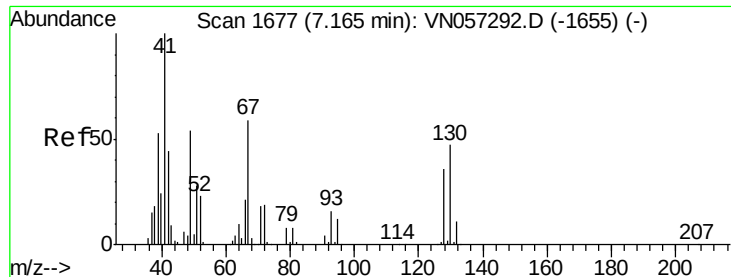
MMDadoda
8/21/2019 9:45:05 AM



#40
Benzene
Concen: 17.239 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





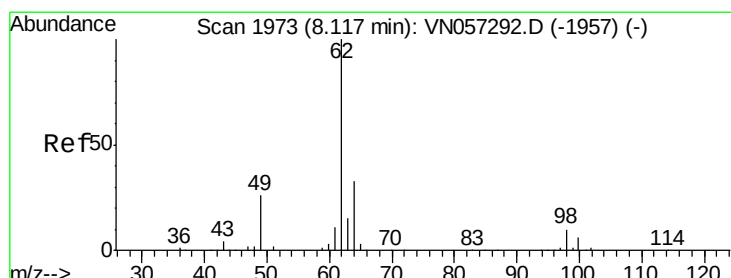
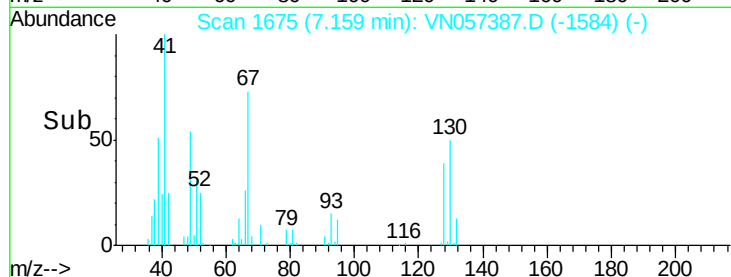
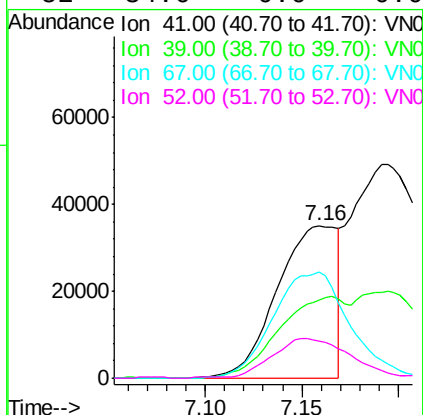
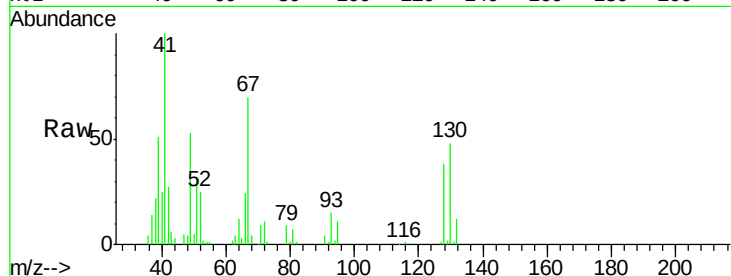
#41
Methacrylonitrile
Concen: 18.219 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	61.5	0.0	0.0#
67	89.6	0.0	0.0#
52	34.6	0.0	0.0#

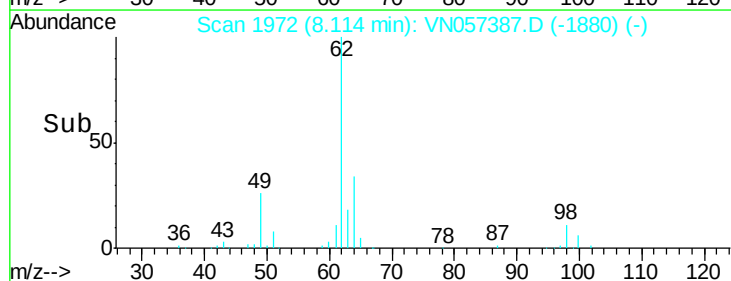
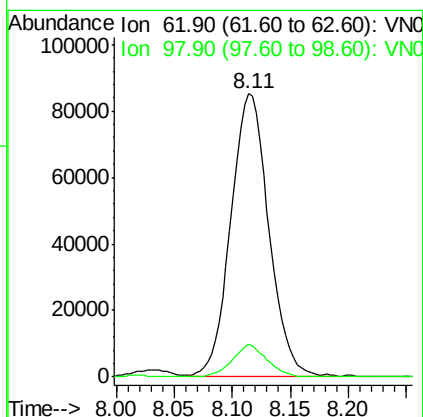
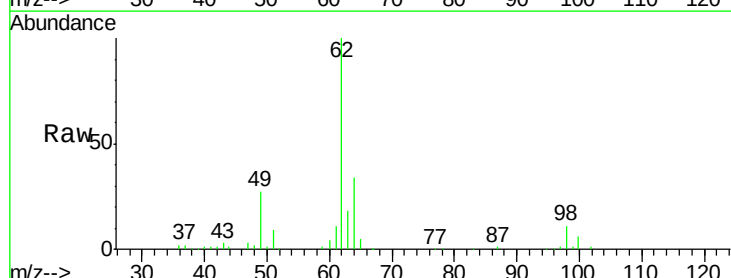
Manual Integrations
APPROVED

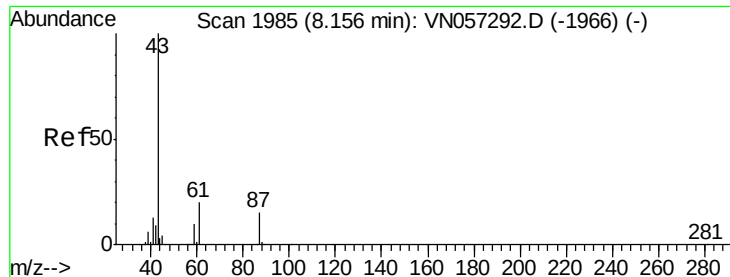
MMDadoda
8/21/2019 9:45:05 AM



#42
1,2-Dichloroethane
Concen: 16.903 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	10.5	0.0	19.4





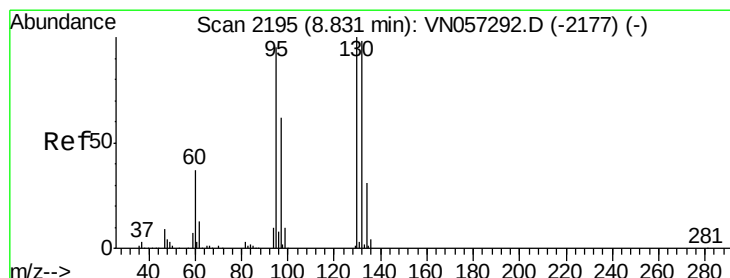
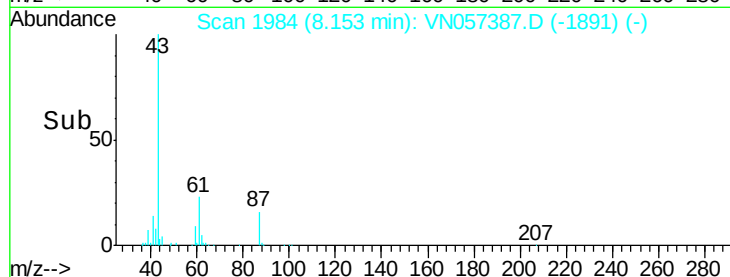
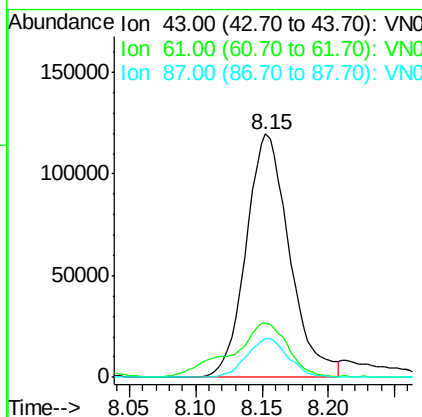
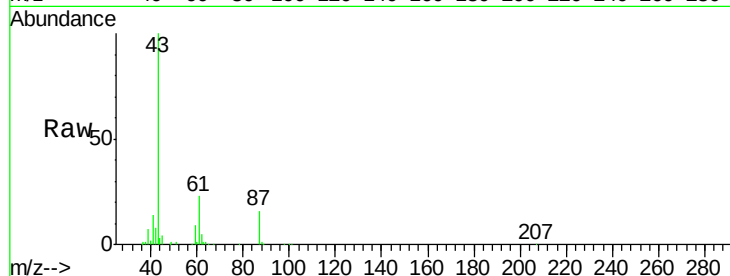
#43
Isopropyl Acetate
Concen: 15.250 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	21.6	32.4
87	15.3	11.4	17.0

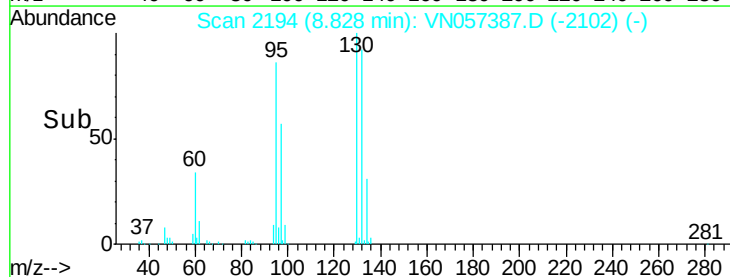
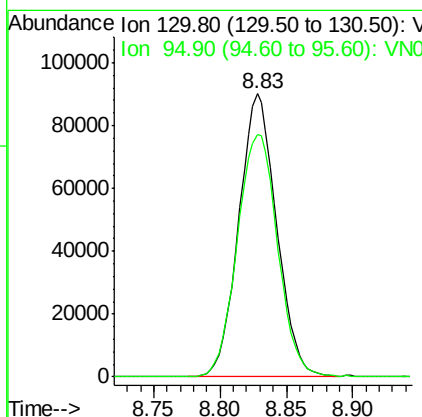
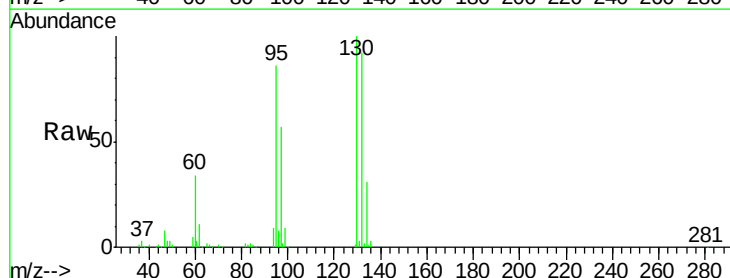
Manual Integrations
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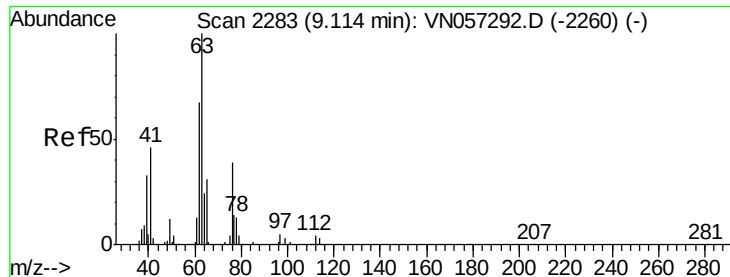
MMDadoda
8/21/2019 9:45:05 AM



#44
Trichloroethene
Concen: 18.365 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.5	0.0	189.2





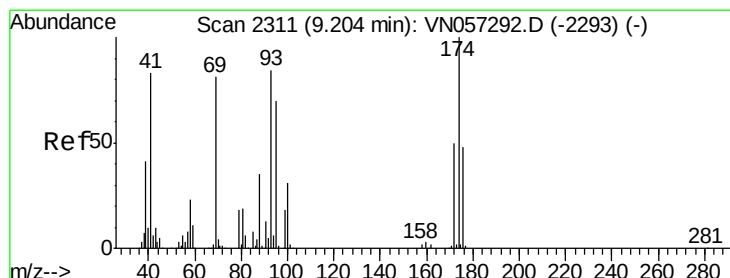
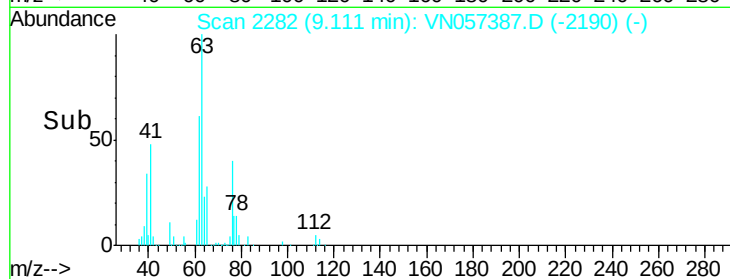
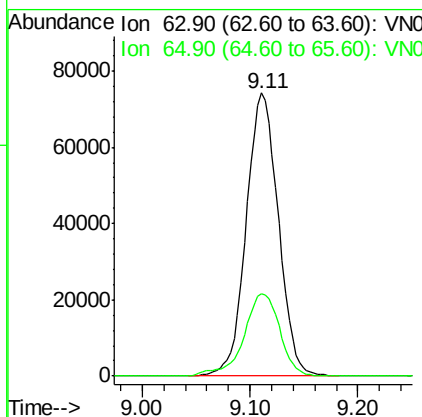
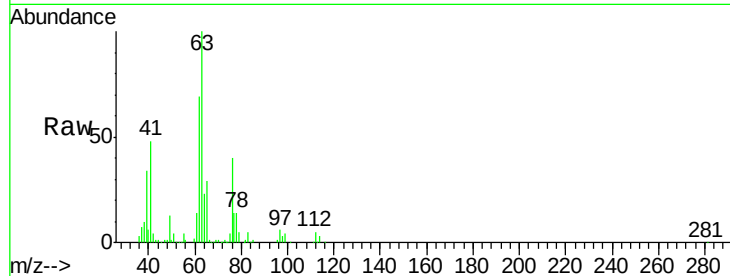
#45
 1,2-Dichloropropane
 Concen: 17.254 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.8	37.2

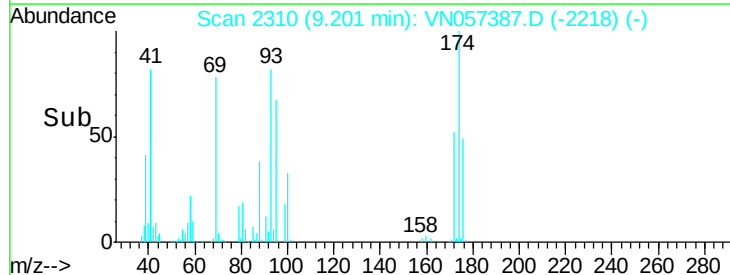
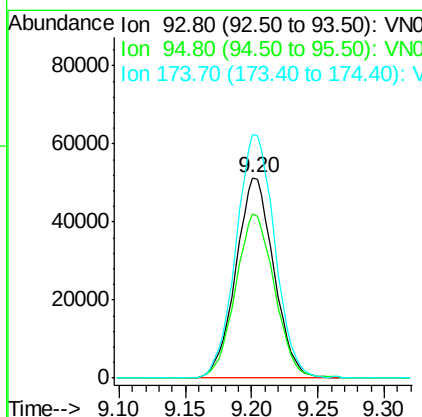
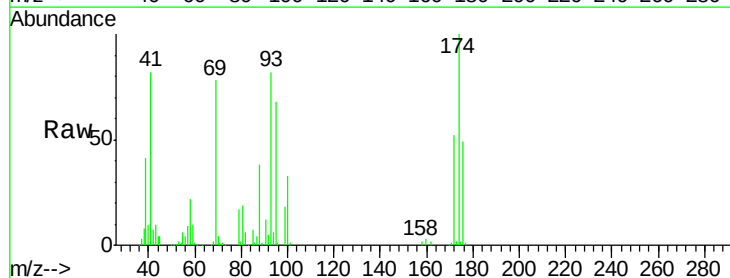
Manual Integrations
 APPROVED

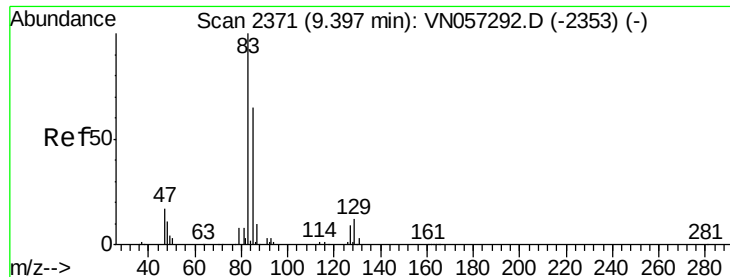
MMDadoda
 8/21/2019 9:45:05 AM



#46
 Dibromomethane
 Concen: 17.193 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.9	66.5	99.7
174	123.8	95.7	143.5





#47

Bromodichloromethane

Concen: 17.748 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

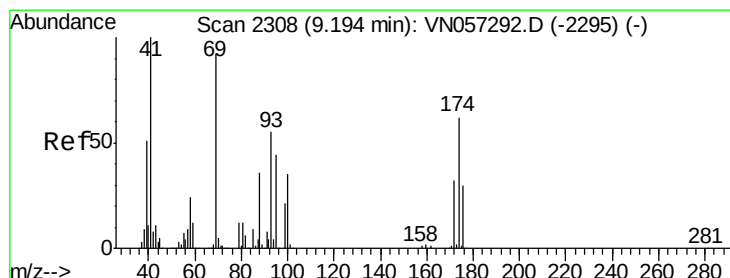
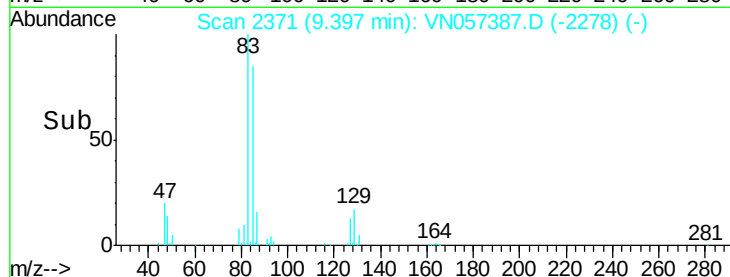
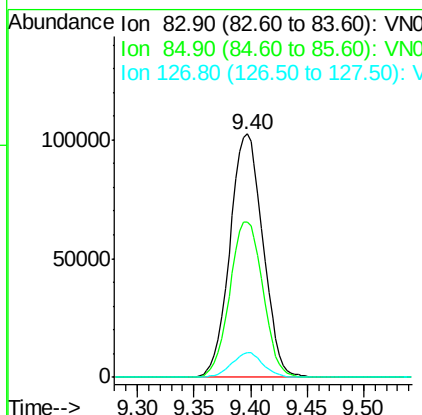
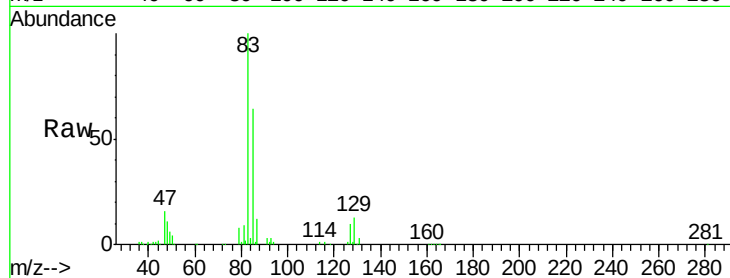
ClientSampleId :

VN0819WBS01

Tot Ion:	83	Resp:	208699
Ion Ratio	Lower	Upper	
83	100		
85	64.0	51.9	77.9
127	10.1	7.2	10.8

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:05 AM



#48

Methyl methacrylate

Concen: 15.773 ug/l

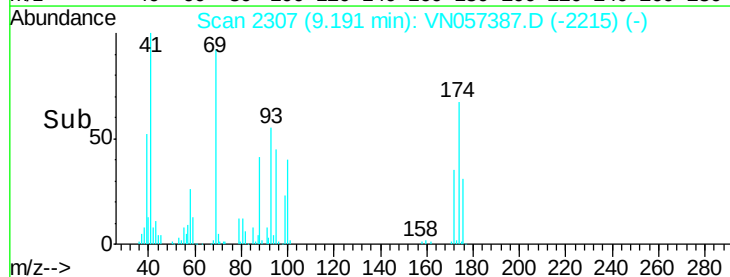
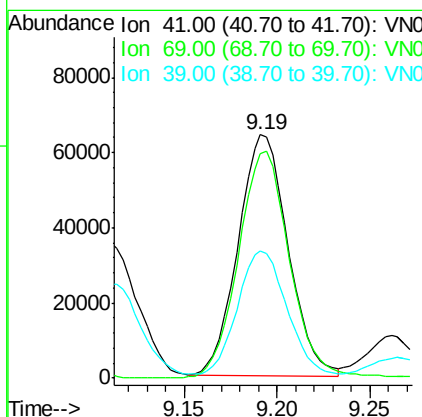
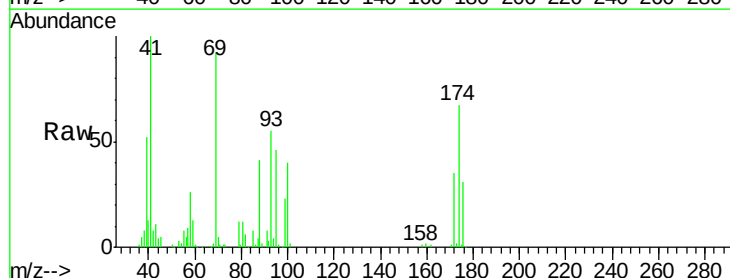
RT: 9.19 min Scan# 2307

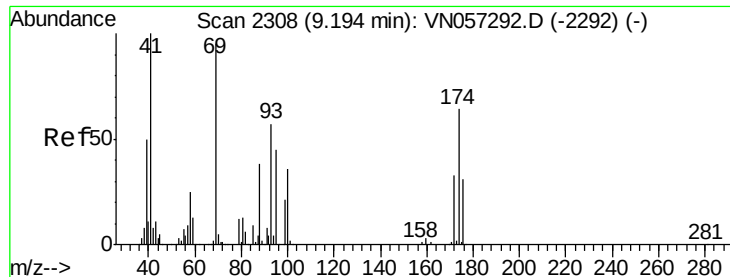
Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	41	Resp:	120043
Ion Ratio	Lower	Upper	
41	100		
69	97.4	75.9	113.9
39	54.0	42.3	63.5





#49

1,4-Dioxane

Concen: 350.191 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

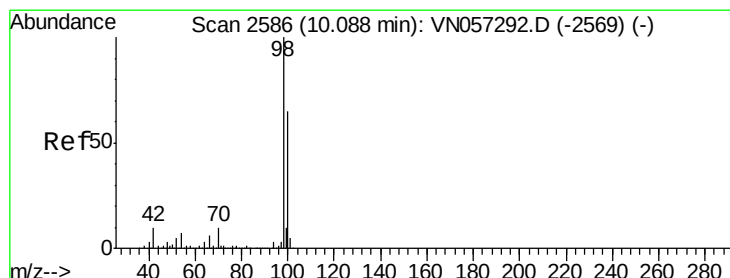
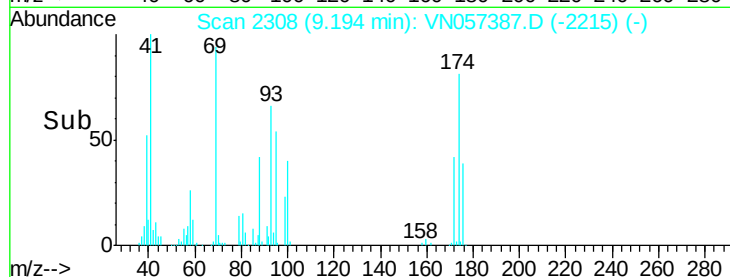
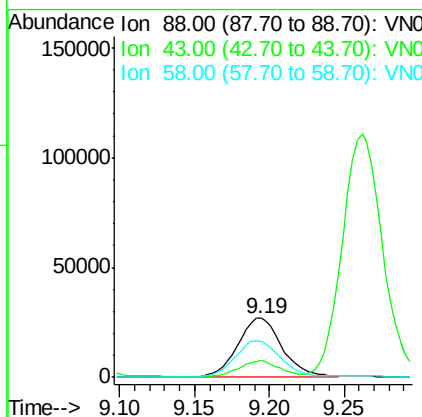
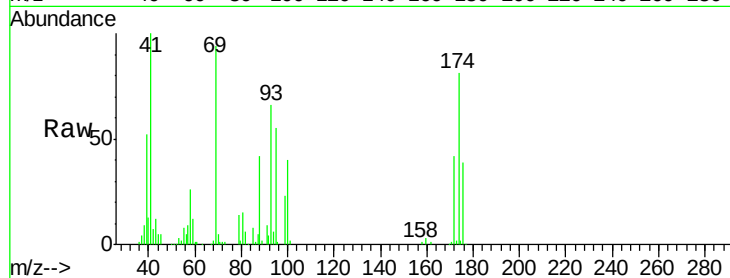
ClientSampleId :

VN0819WBS01

Tot Ion:	88	Resp:	56049
Ion	Ratio	Lower	Upper
88	100		
43	24.6	22.9	34.3
58	63.0	52.7	79.1

Manual Integrations
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#50

Toluene-d8

Concen: 47.140 ug/l

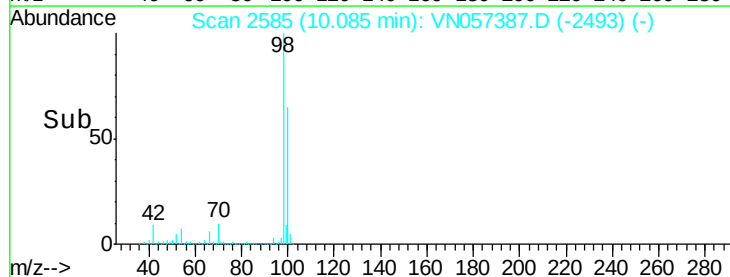
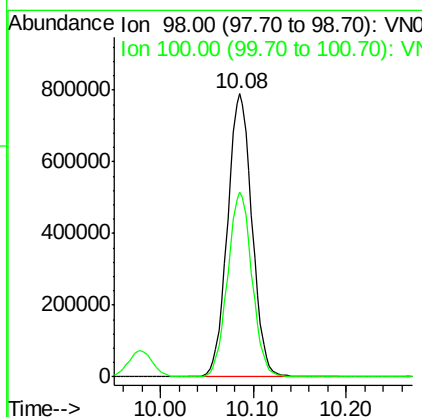
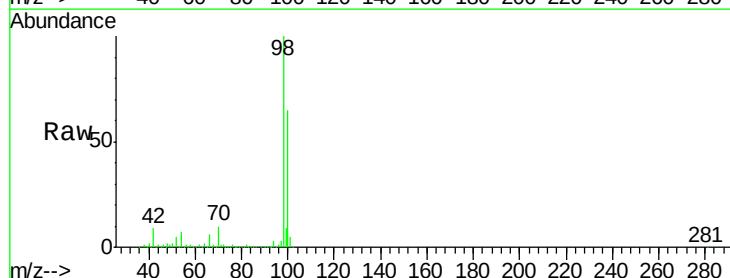
RT: 10.08 min Scan# 2585

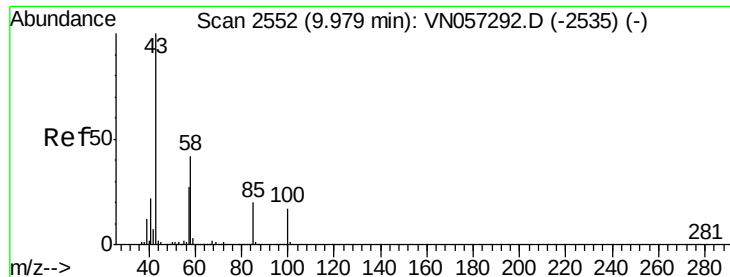
Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	98	Resp:	1444477
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 78.717 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 43 Resp: 750548

Ion Ratio Lower Upper

43 100

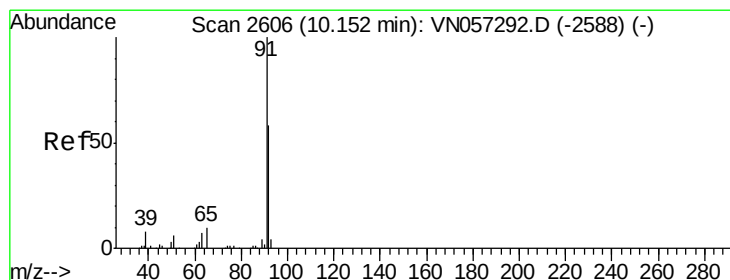
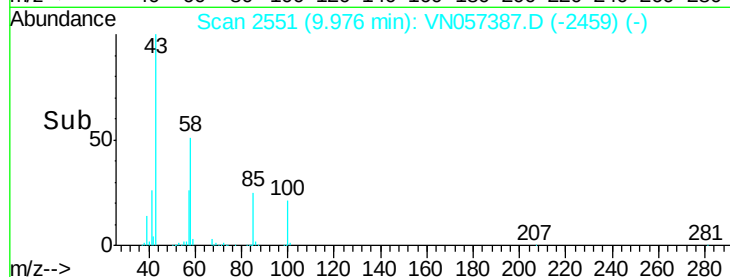
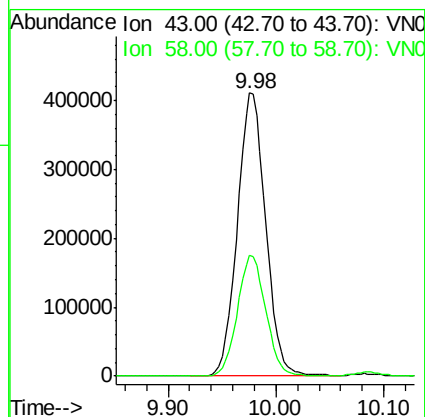
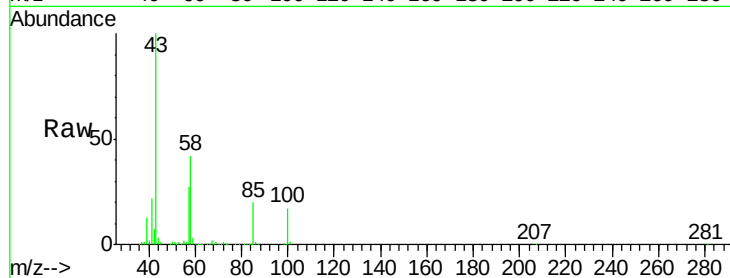
58 42.8 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 18.068 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057387.D

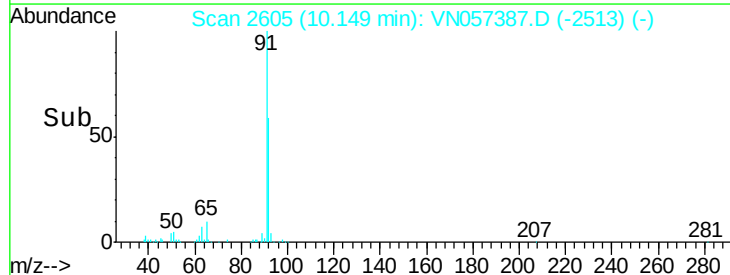
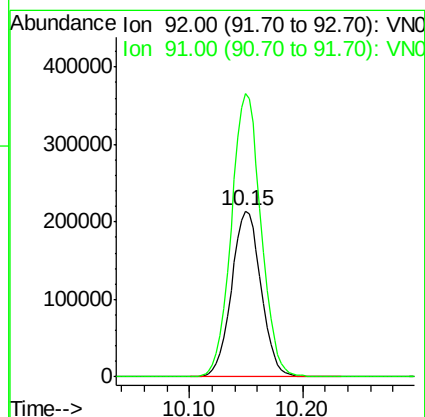
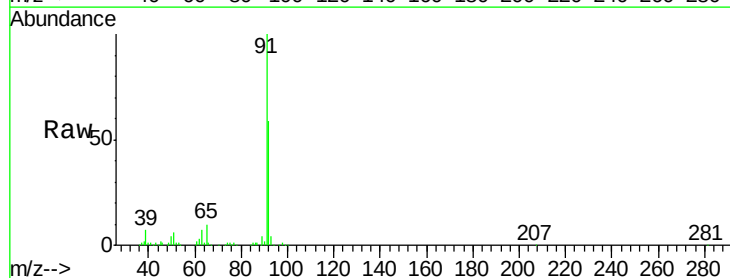
Acq: 19 Aug 2019 9:52

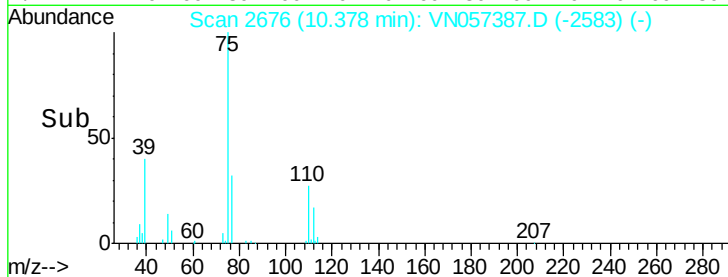
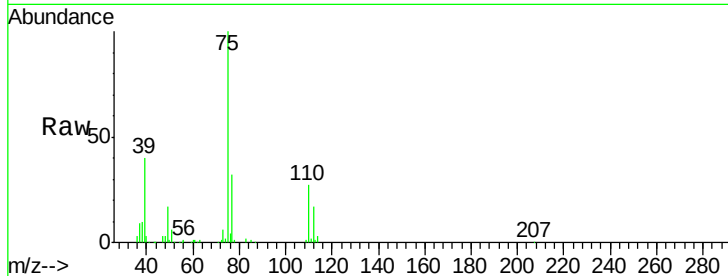
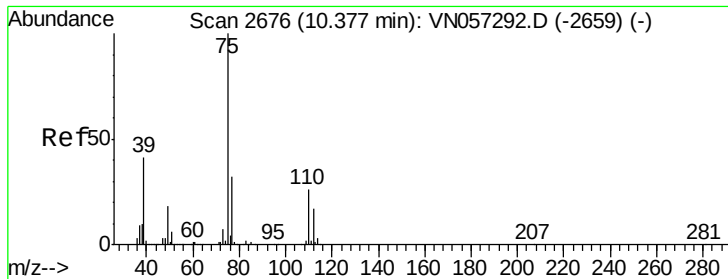
Tgt Ion: 92 Resp: 388151

Ion Ratio Lower Upper

92 100

91 171.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 17.402 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tot Ion	75	Ratio	Lower	Upper
75	100			
77	32.3		25.5	38.3

Instrument :

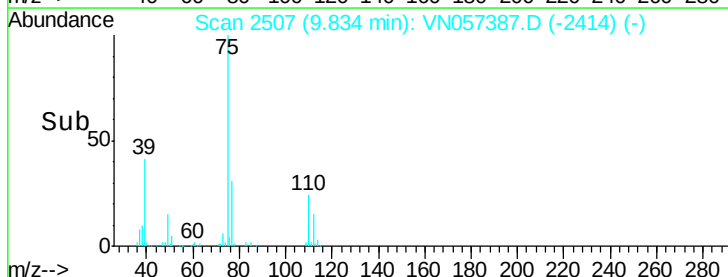
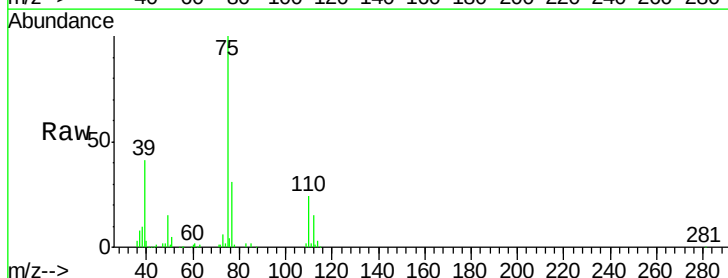
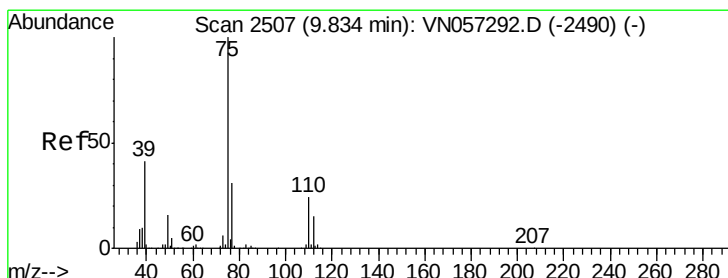
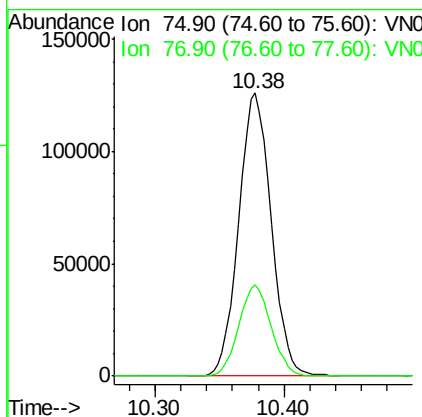
MSVOA_N

ClientSampled :

VN0819WBS01

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#54

cis-1,3-Dichloropropene

Concen: 17.855 ug/l

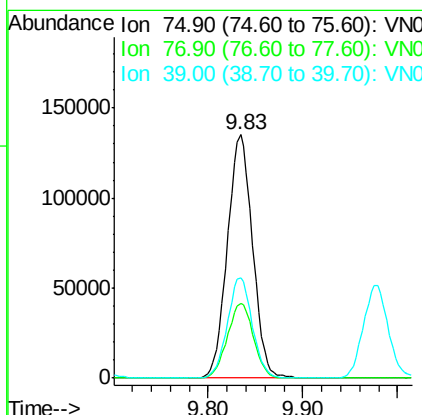
RT: 9.83 min Scan# 2507

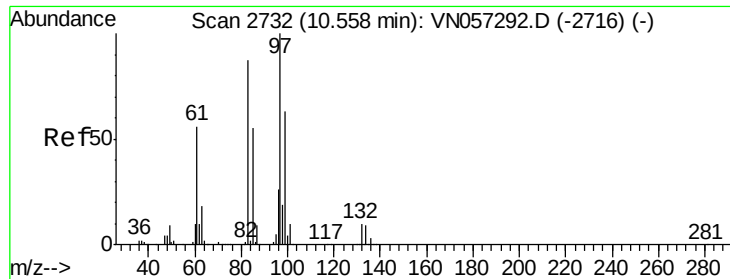
Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion	75	Ratio	Lower	Upper
75	100			
77	30.9		24.9	37.3
39	41.3		32.7	49.1





#55

1,1,2-Trichloroethane

Concen: 17.579 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

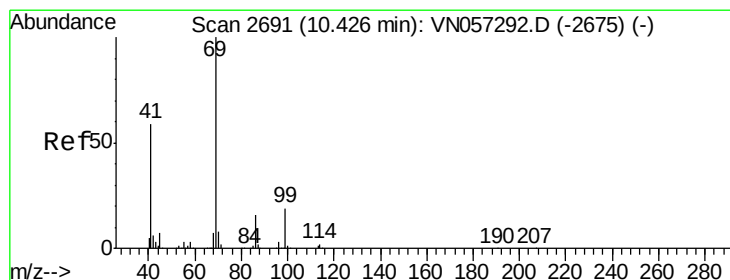
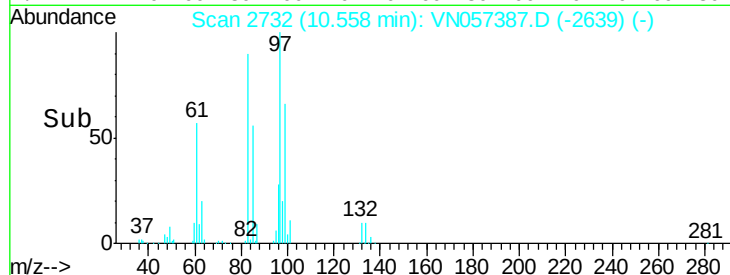
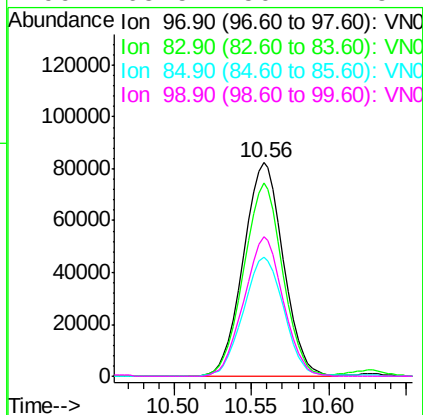
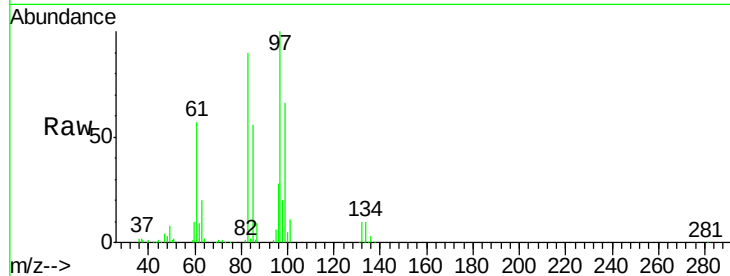
ClientSampleId :

VN0819WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		148499		
83	90.3	69.8	104.8		
85	56.0	44.1	66.1		
99	65.5	50.2	75.2		

Manual Integrations
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8/21/2019 9:45:05 AM



#56

Ethyl methacrylate

Concen: 16.866 ug/l

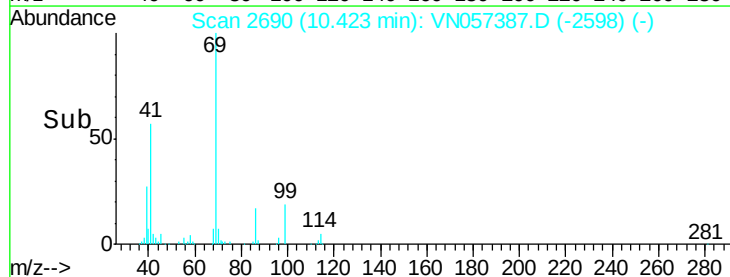
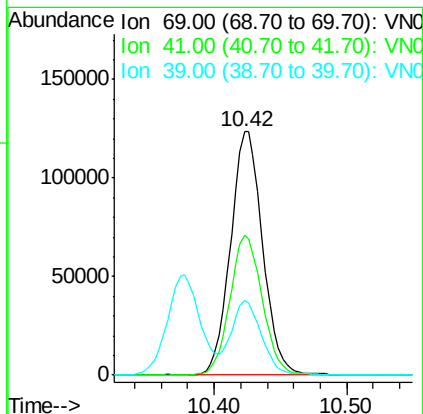
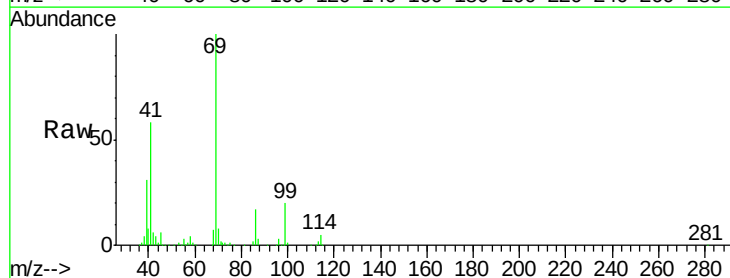
RT: 10.42 min Scan# 2690

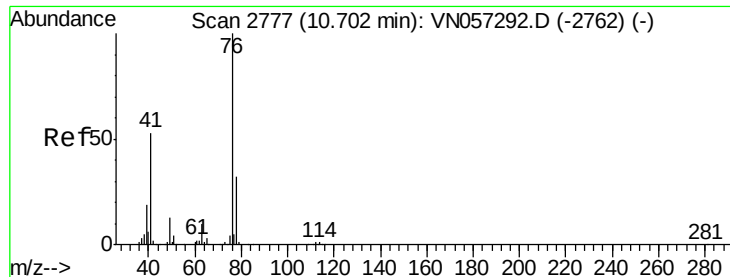
Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		207922		
41	57.0	48.2	72.2		
39	28.6	23.4	35.0		





#57

1,3-Dichloropropane

Concen: 17.728 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 76 Resp: 250183

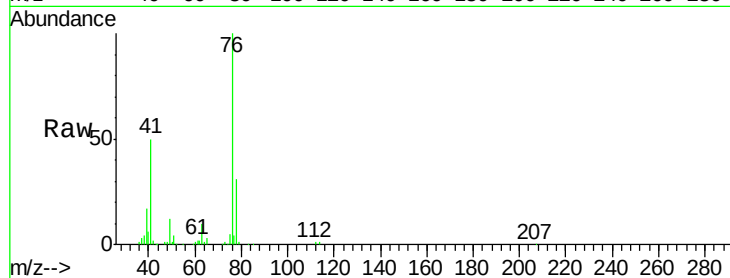
Ion Ratio Lower Upper

76 100

78 31.2 25.6 38.4

Manual Integrations
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8/21/2019 9:45:05 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

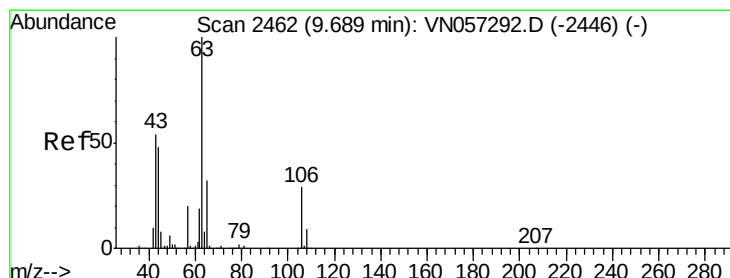
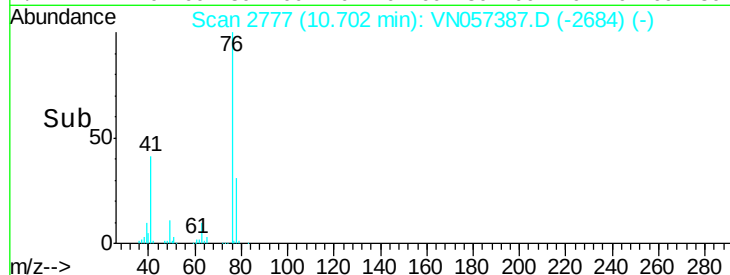
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 84.658 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057387.D

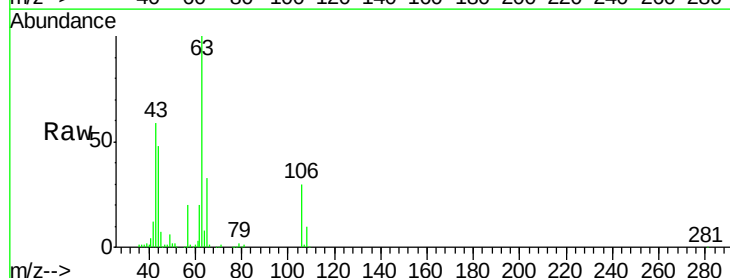
Acq: 19 Aug 2019 9:52

Tgt Ion: 63 Resp: 266438

Ion Ratio Lower Upper

63 100

106 29.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

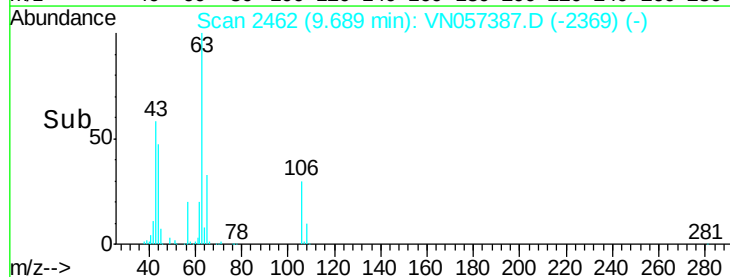
150000

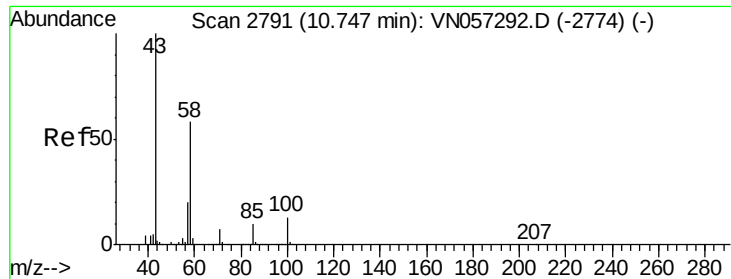
100000

50000

0

Time--> 9.60 9.70 9.80





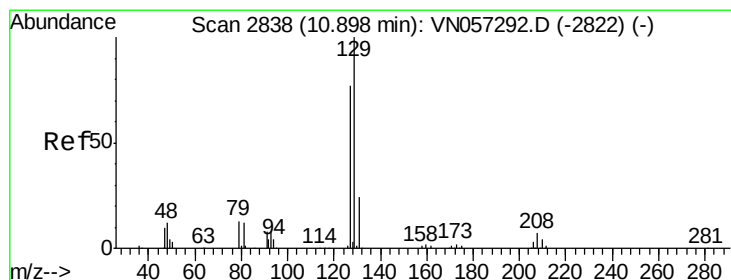
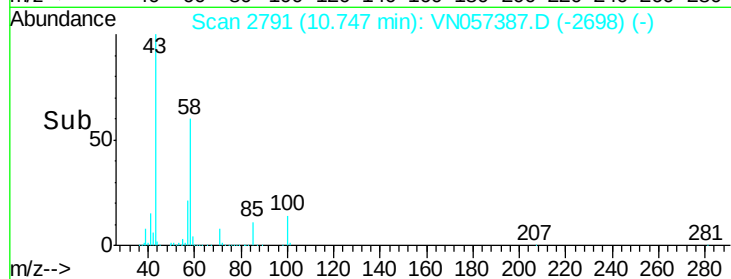
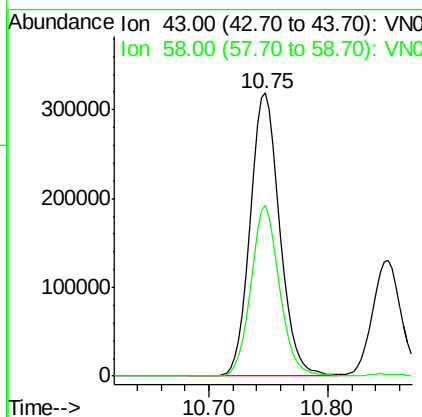
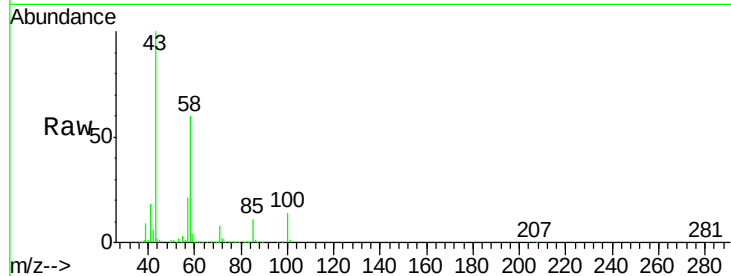
#59
2-Hexanone
Concen: 79.784 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion: 43 Resp: 546906
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.9

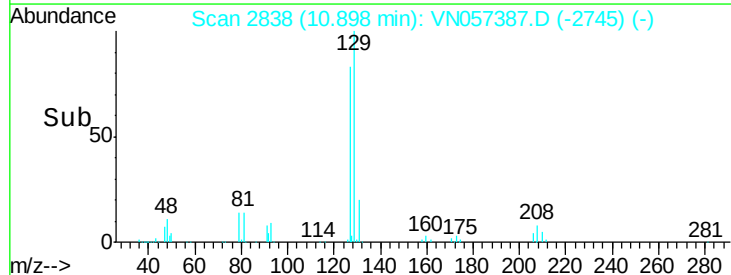
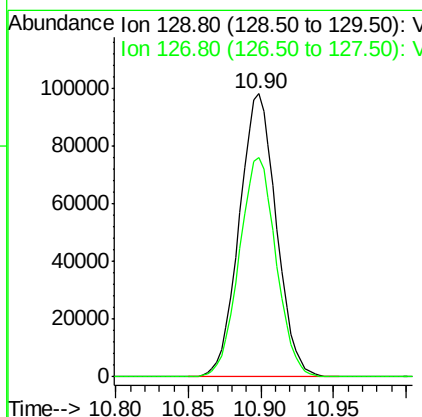
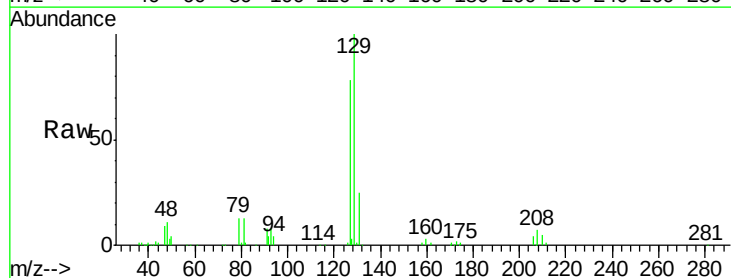
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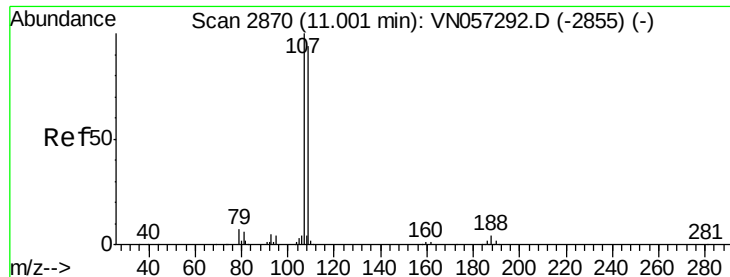
MMDadoda
8/21/2019 9:45:05 AM



#60
Dibromochloromethane
Concen: 18.403 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 129 Resp: 174214
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.425 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 107 Resp: 156801

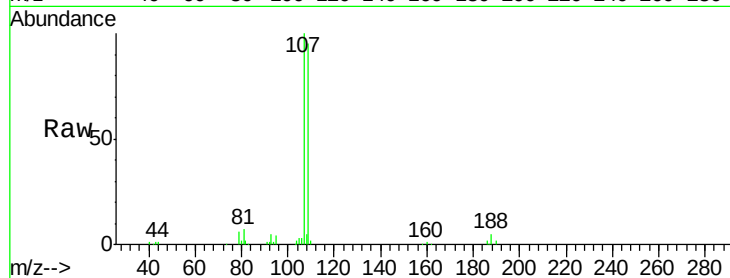
Ion Ratio Lower Upper

107 100

109 94.8 75.7 113.5

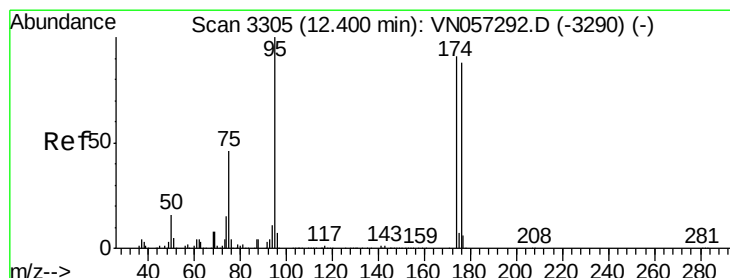
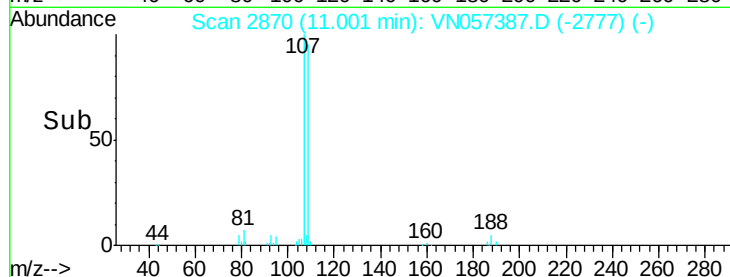
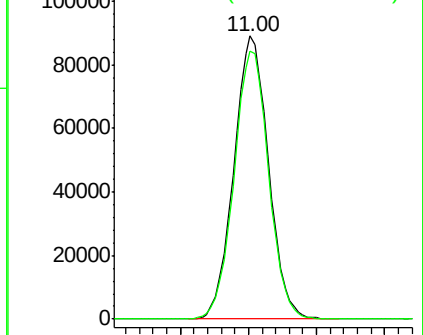
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

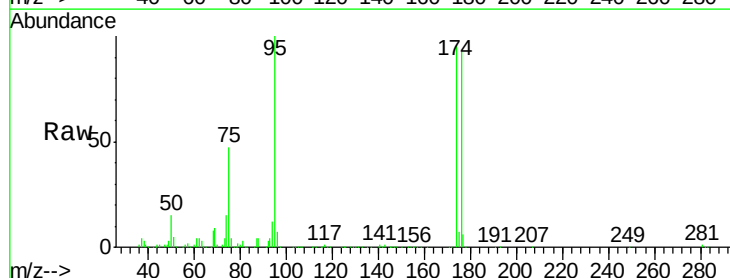
Tgt Ion: 95 Resp: 461010

Ion Ratio Lower Upper

95 100

174 97.7 0.0 185.0

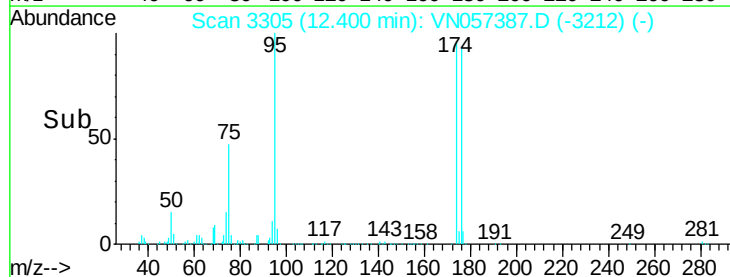
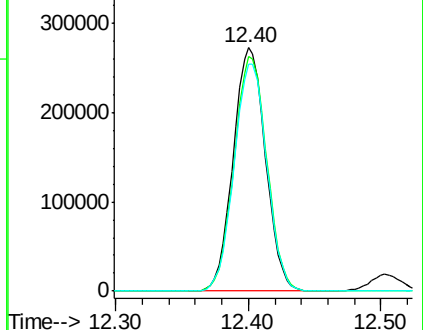
176 95.0 0.0 181.0

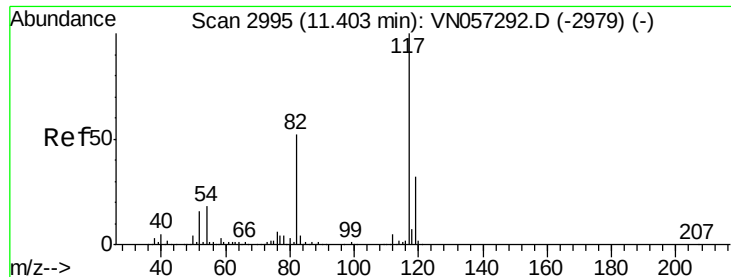


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





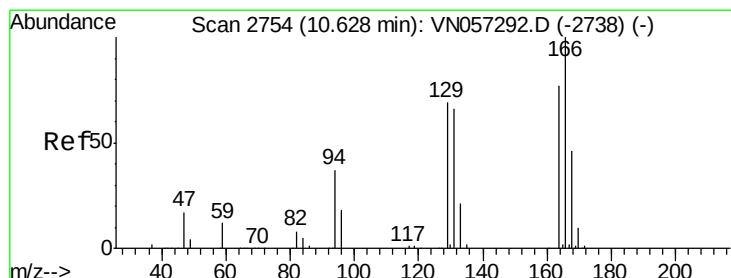
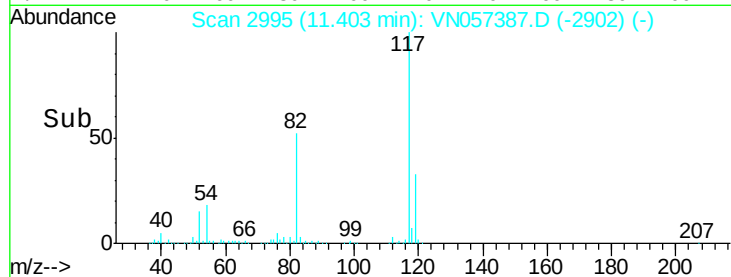
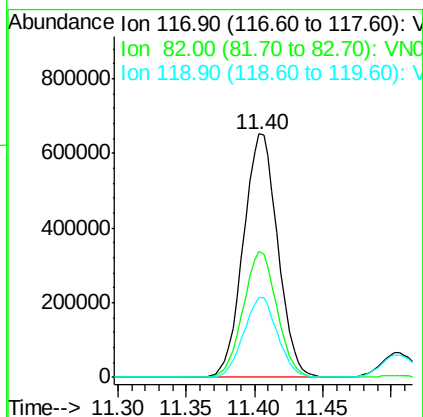
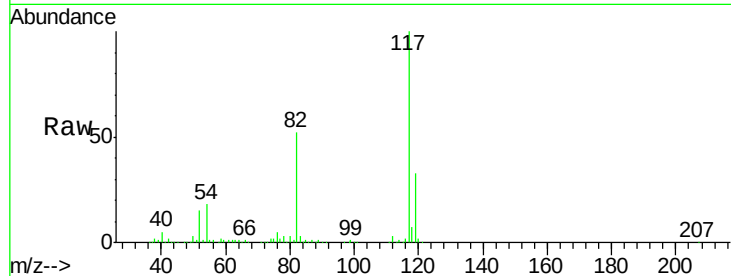
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.2	61.8
119	33.0	25.8	38.8

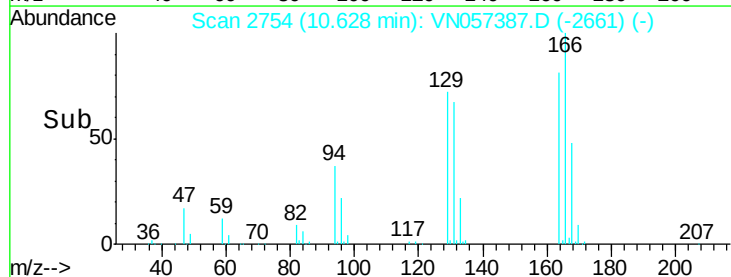
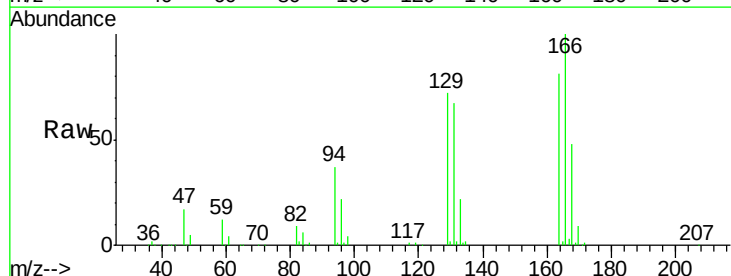
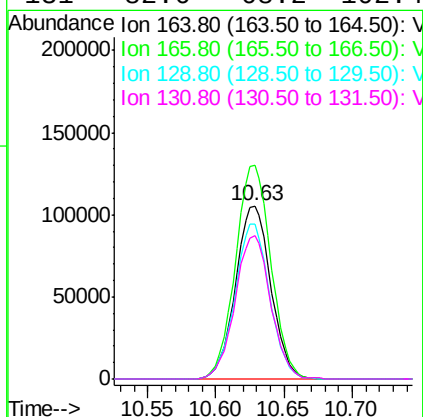
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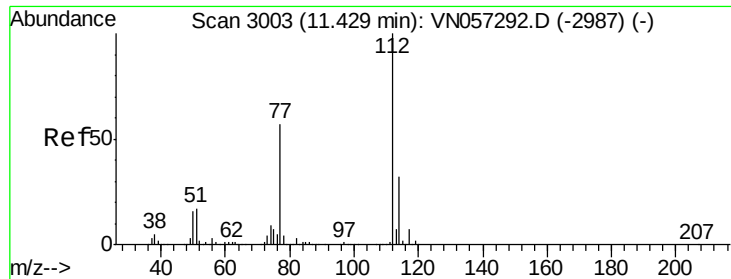
MMDadoda
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#64
Tetrachloroethene
Concen: 19.200 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.4	103.5	155.3
129	89.3	71.2	106.8
131	82.6	68.2	102.4





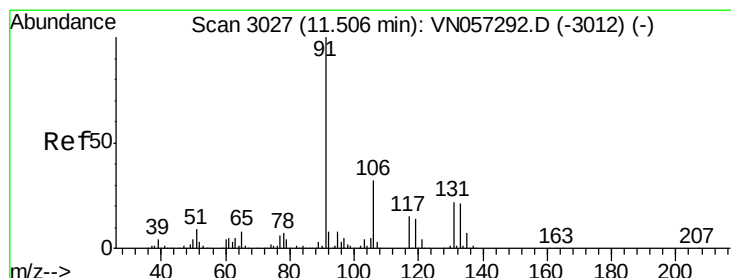
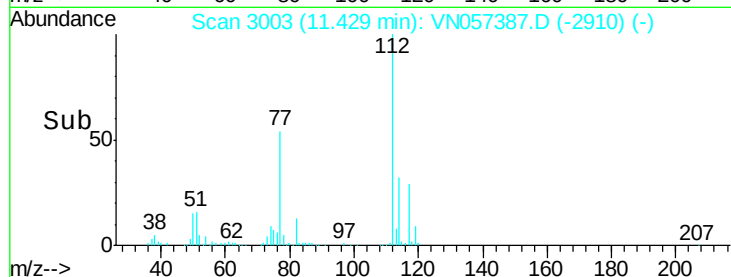
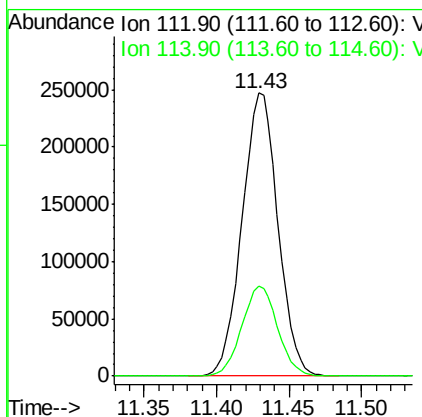
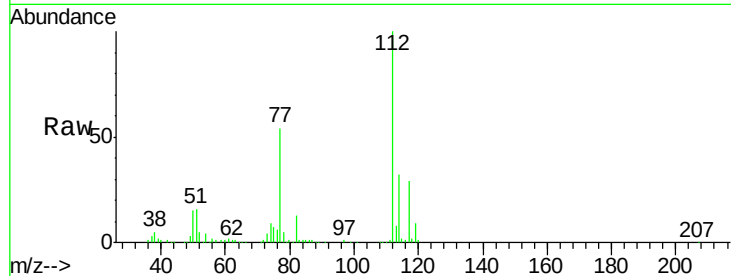
#65
Chlorobenzene
Concen: 18.338 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion:112 Resp: 426133
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5

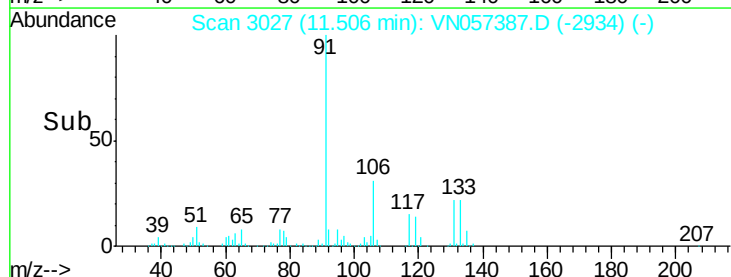
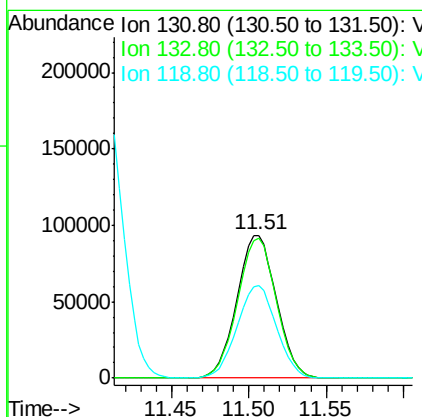
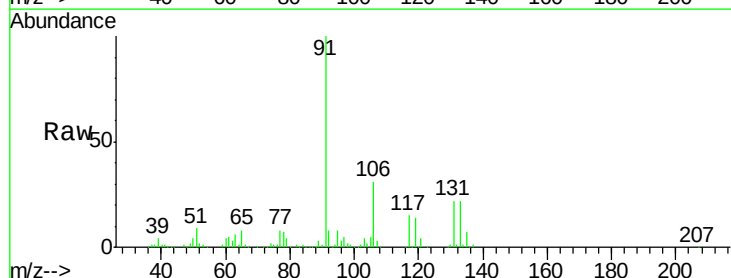
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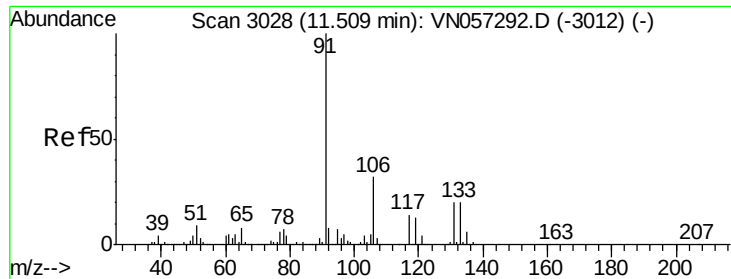
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.633 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:131 Resp: 165823
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 64.4 32.0 96.2





#67

Ethyl Benzene

Concen: 17.720 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion: 91 Resp: 720408

Ion Ratio Lower Upper

91 100

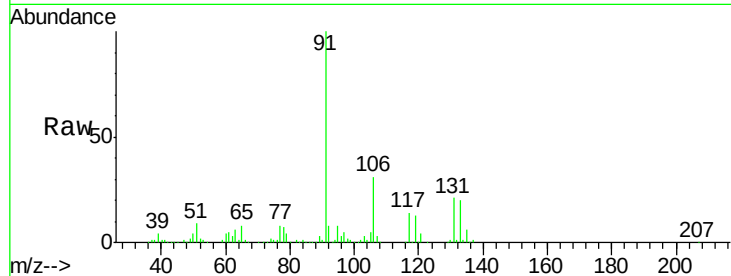
106 31.1 25.5 38.3

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Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN057292.D (-3012) (-)

600000

500000

400000

300000

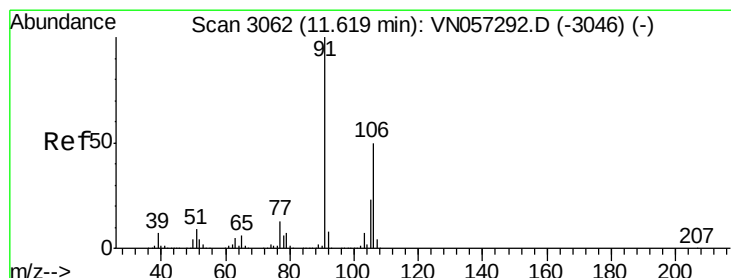
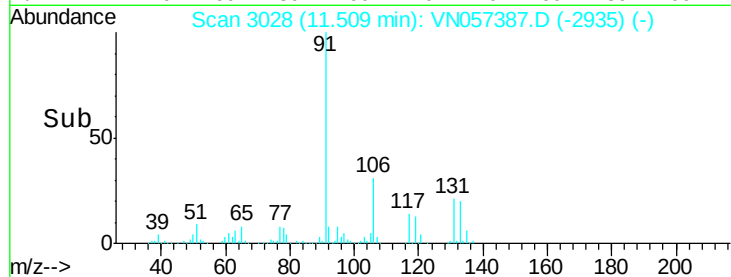
200000

100000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 36.354 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057387.D

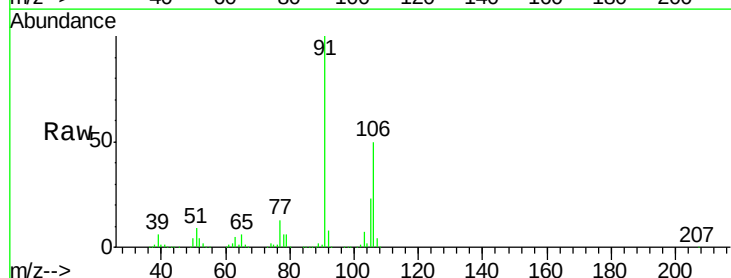
Acq: 19 Aug 2019 9:52

Tgt Ion: 106 Resp: 544552

Ion Ratio Lower Upper

106 100

91 199.4 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN057292.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN057292.D (-3046) (-)

600000

500000

400000

300000

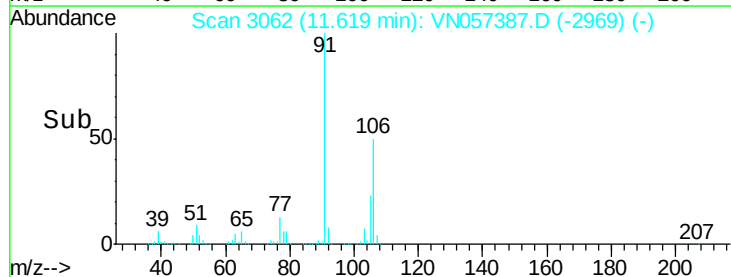
200000

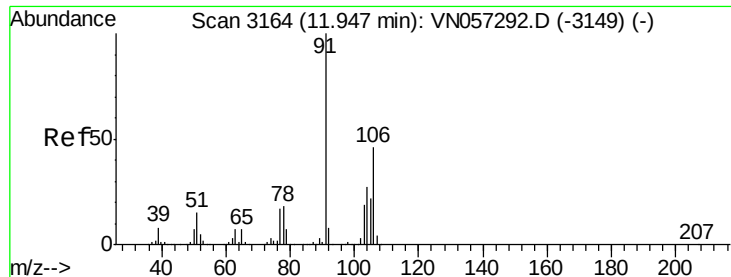
100000

0

11.60 11.62 11.64 11.66 11.68 11.70

Time-->





#69

o-Xylene

Concen: 17.964 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion:106 Resp: 264197

Ion Ratio Lower Upper

106 100

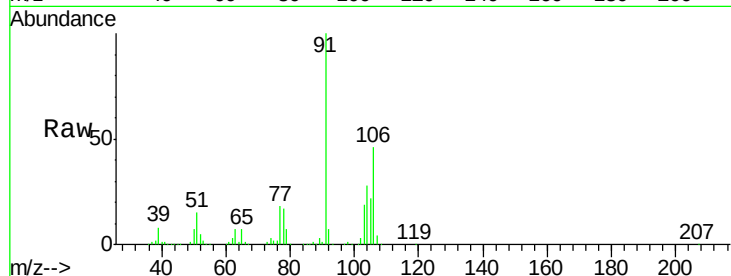
91 212.5 106.3 319.0

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

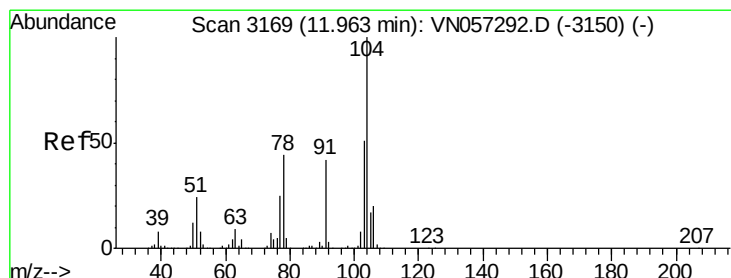
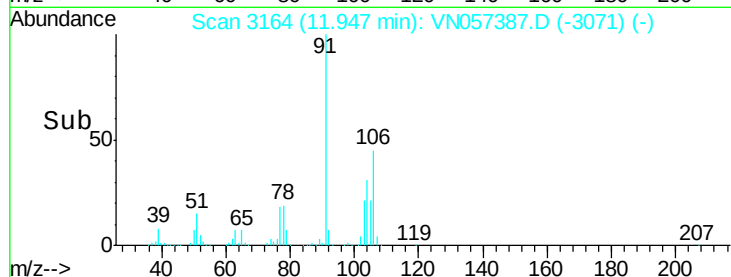
200000

100000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 17.799 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

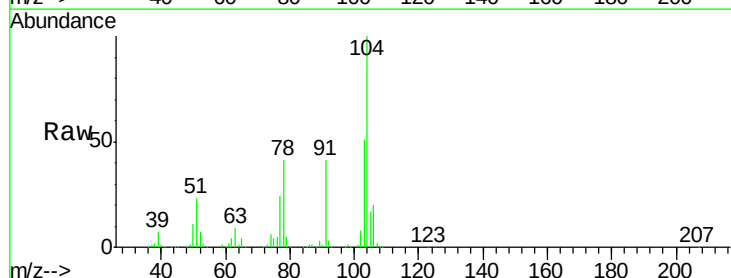
Tgt Ion:104 Resp: 417279

Ion Ratio Lower Upper

104 100

78 47.3 39.2 58.8

103 55.6 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

250000

200000

150000

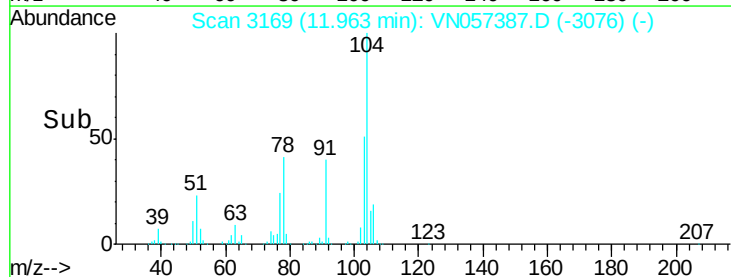
100000

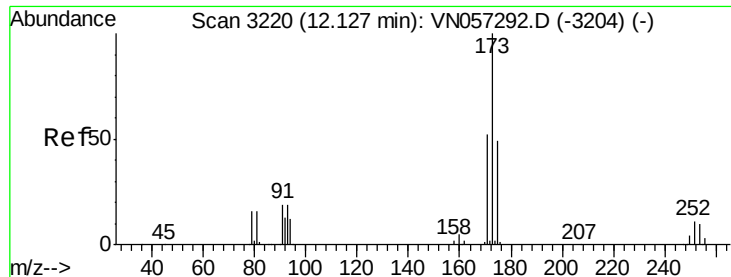
50000

0

11.90 11.96 12.00

Time-->





#71

Bromoform

Concen: 18.696 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

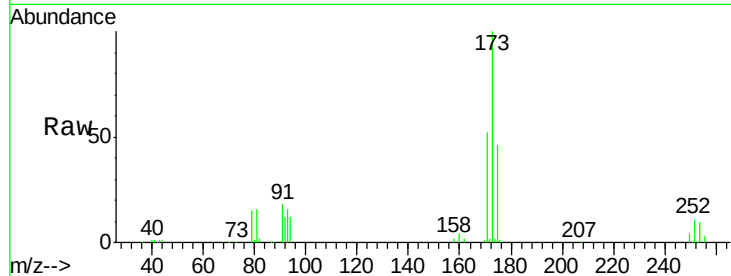
ClientSampled :

VN0819WBS01

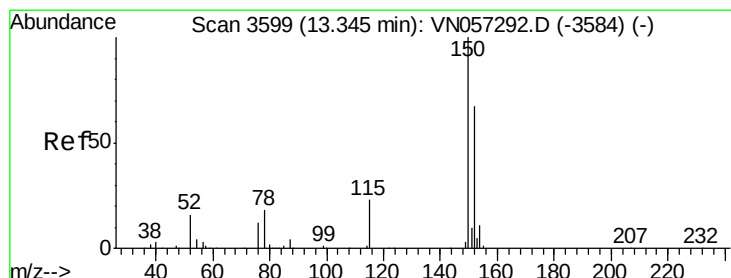
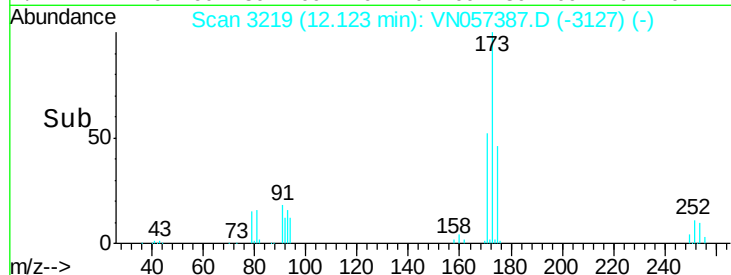
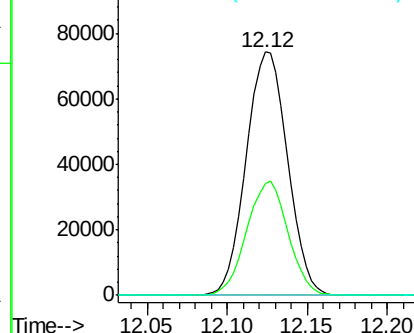
Tot Ion:	173	Resp:	131264
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.2	72.6
254	0.0	0.2	0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

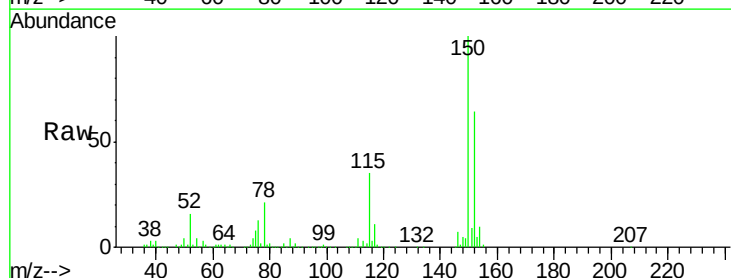
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

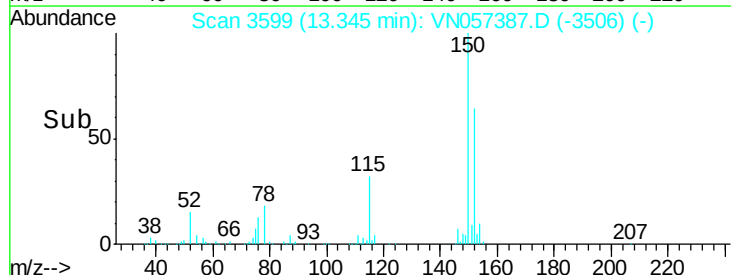
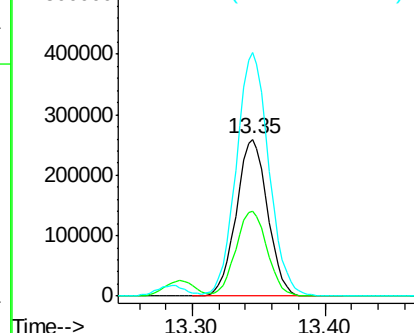
Lab File: VN057387.D

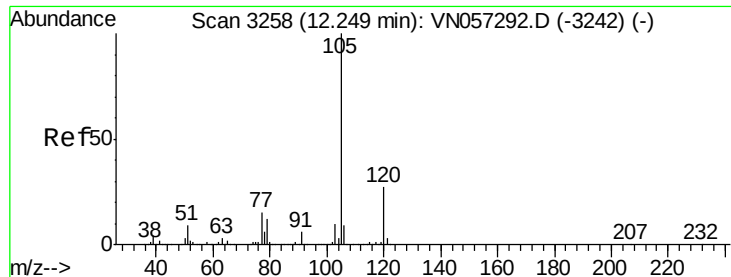
Acq: 19 Aug 2019 9:52

Tgt Ion:	152	Resp:	423671
Ion Ratio	Lower	Upper	
152	100		
115	54.6	27.3	81.9
150	161.9	0.0	344.4



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: 18.980 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion:105 Resp: 710265

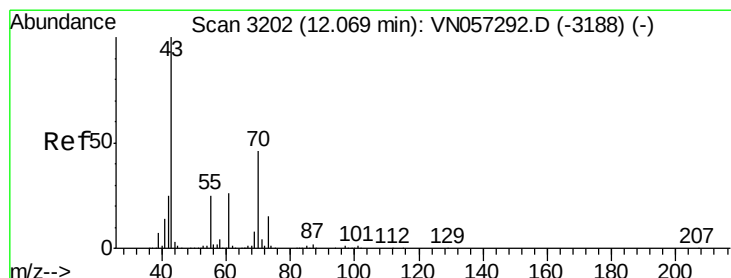
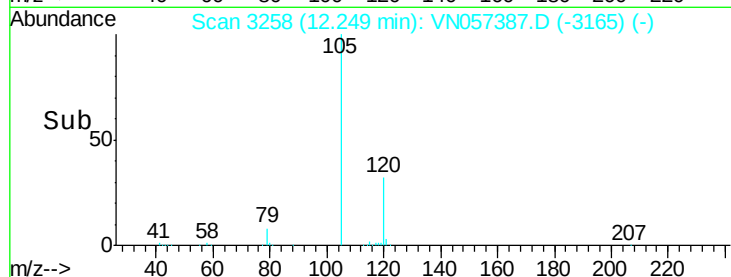
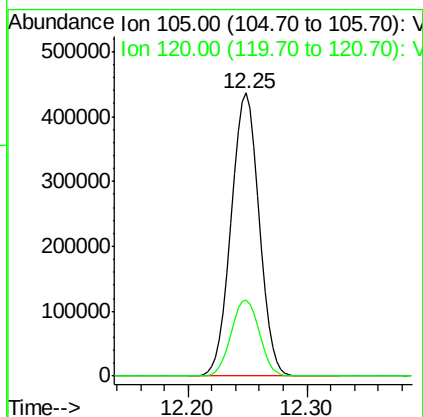
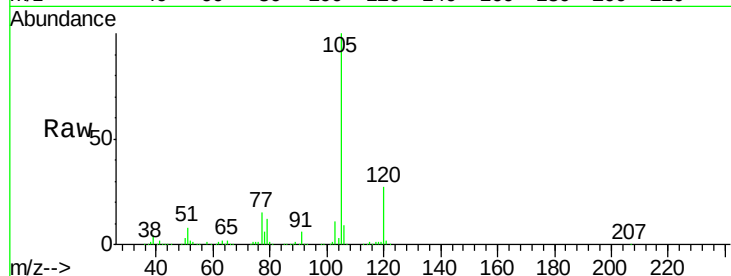
Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6

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#74

N-ethyl acetate

Concen: 15.749 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion: 43 Resp: 193617

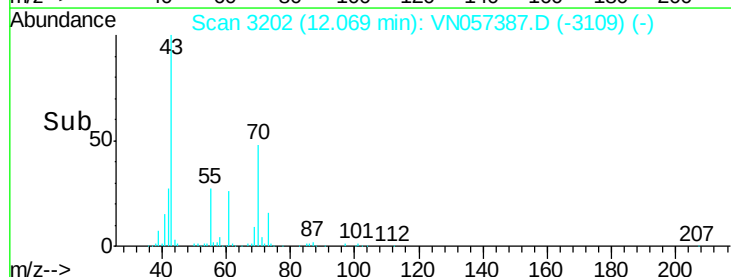
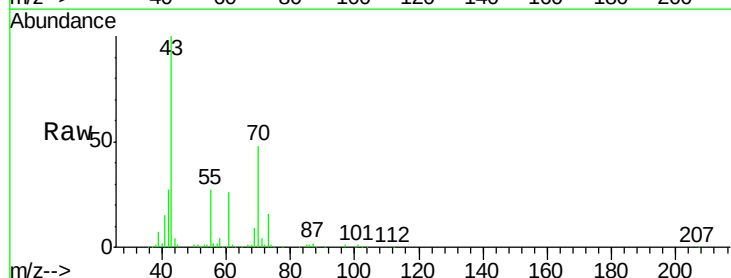
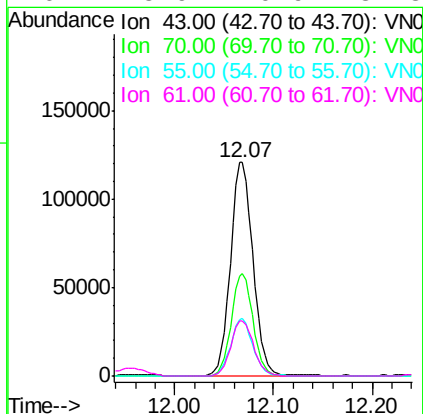
Ion Ratio Lower Upper

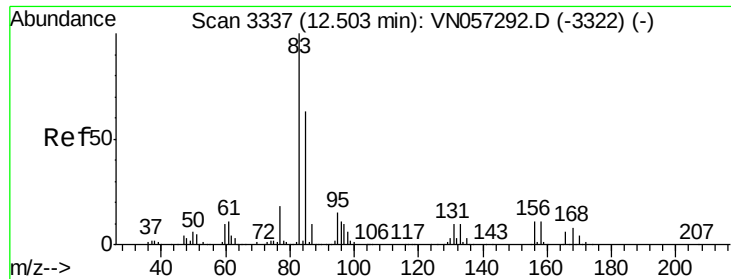
43 100

70 46.0 36.2 54.2

55 26.4 20.1 30.1

61 25.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.680 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

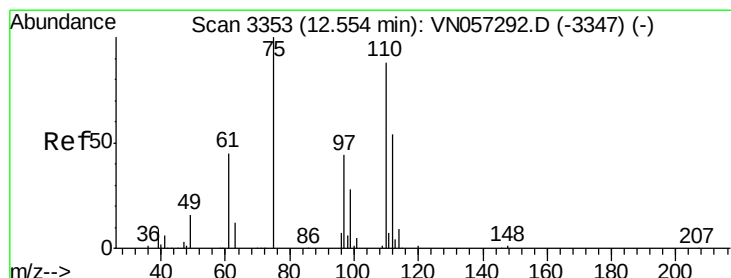
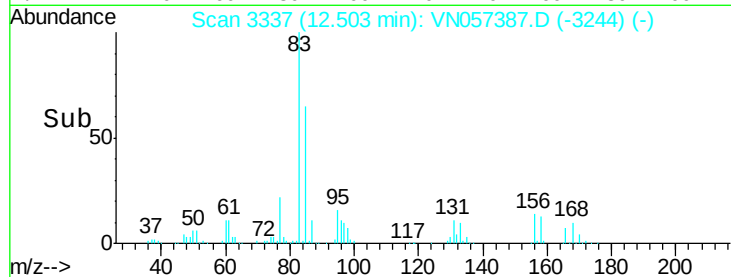
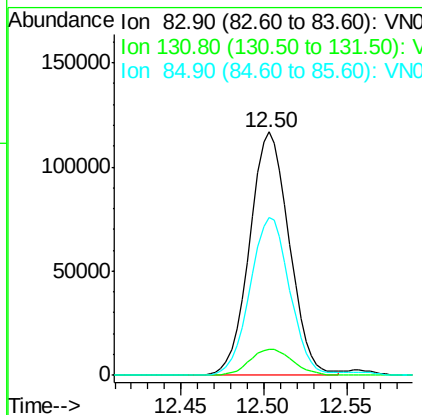
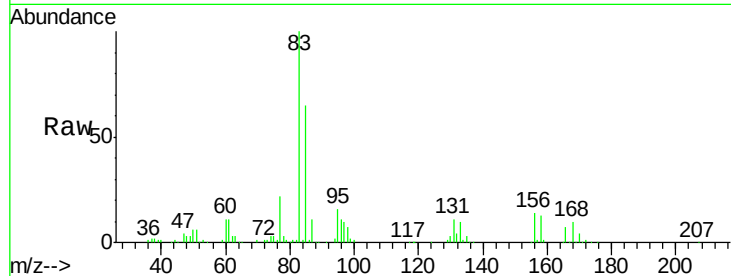
ClientSampleId :

VN0819WBS01

Tot Ion:	83	Resp:	193733
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.4	16.2
85	65.1	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.430 ug/l m

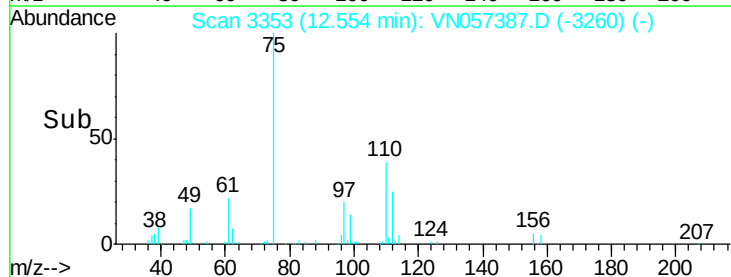
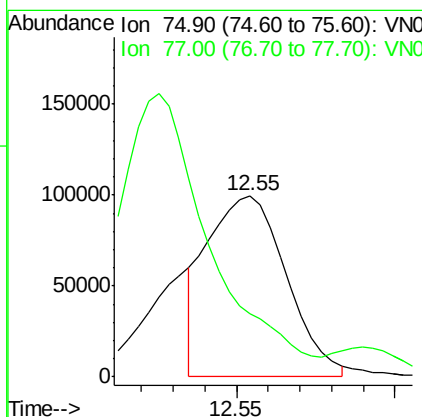
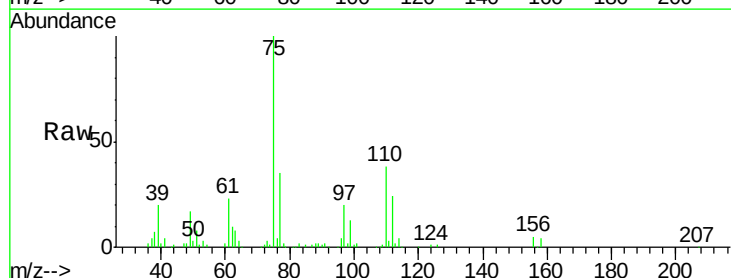
RT: 12.55 min Scan# 3353

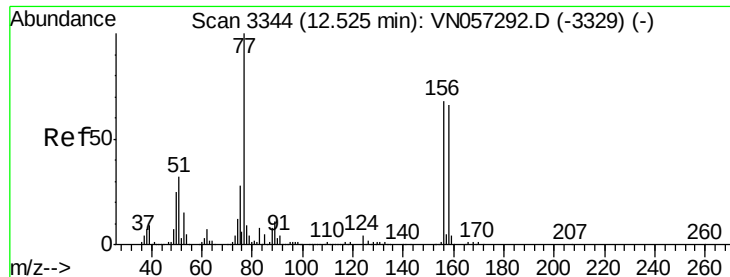
Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion:	75	Resp:	171581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.202 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

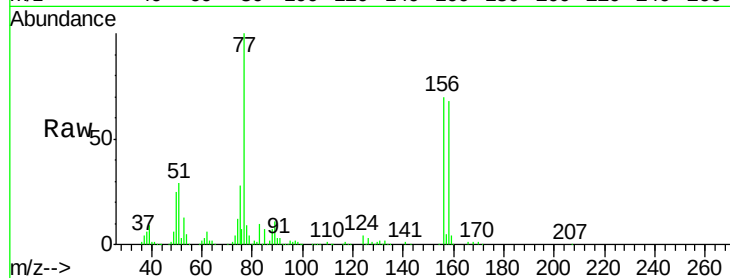
ClientSampleId :

VN0819WBS01

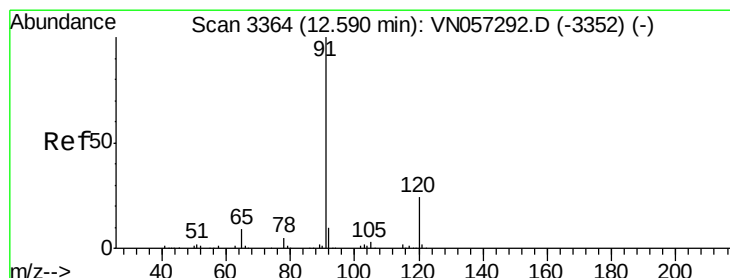
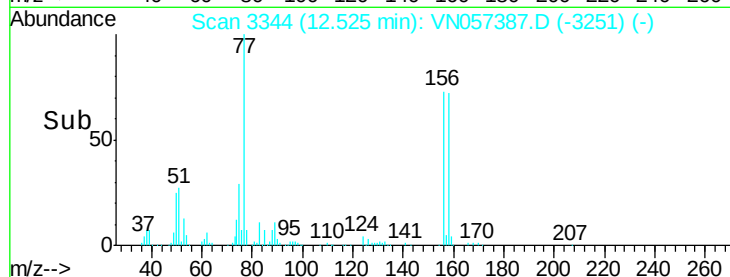
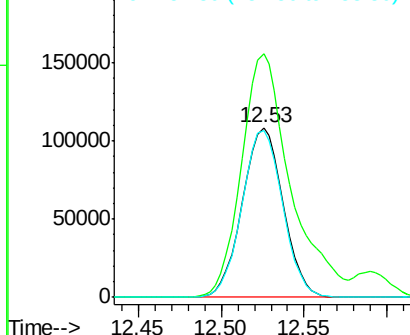
Tot Ion:	156	Resp:	186445
Ion Ratio	Lower	Upper	
156	100		
77	173.3	89.8	269.6
158	98.3	49.3	147.8

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



#78

n-propylbenzene

Concen: 17.366 ug/l

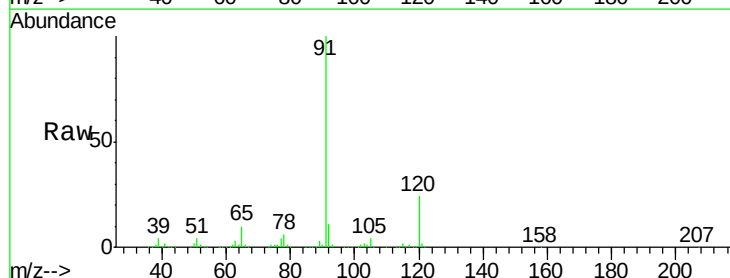
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

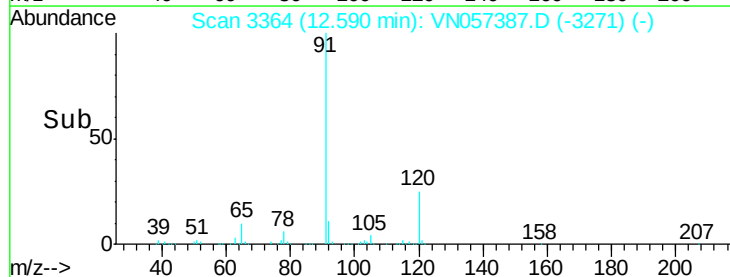
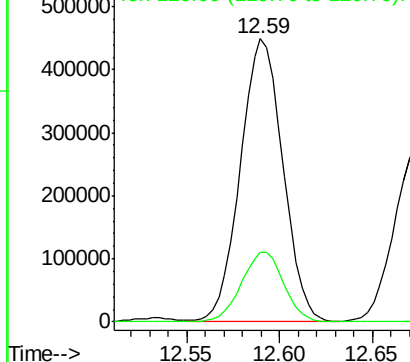
Lab File: VN057387.D

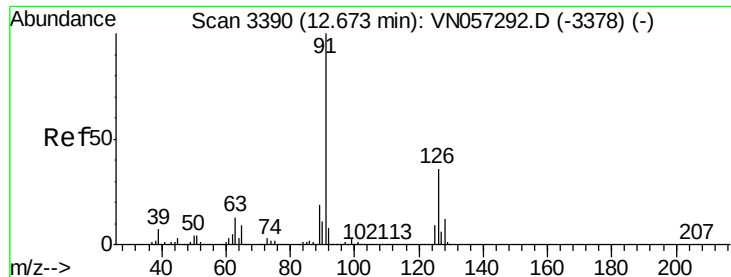
Acq: 19 Aug 2019 9:52

Tgt Ion:	91	Resp:	708503
Ion Ratio	Lower	Upper	
91	100		
120	24.7	11.9	35.7



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





#79

2-Chlorotoluene

Concen: 18.915 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

Tot Ion: 91 Resp: 454647

Ion Ratio Lower Upper

91 100

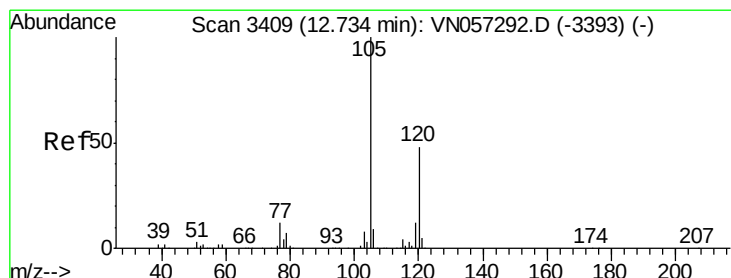
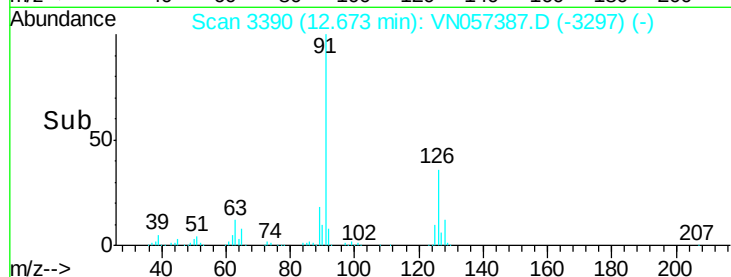
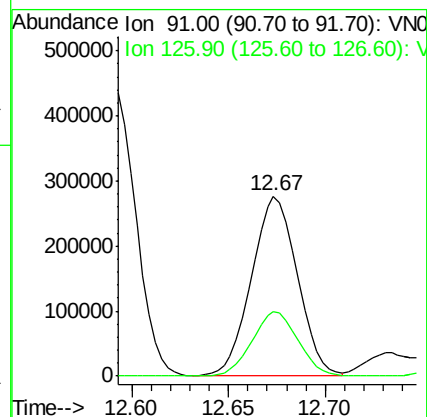
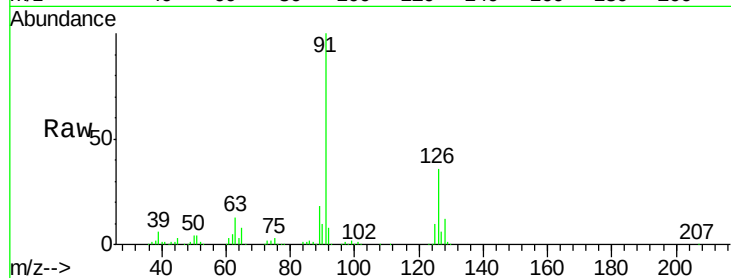
126 36.2 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 18.910 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057387.D

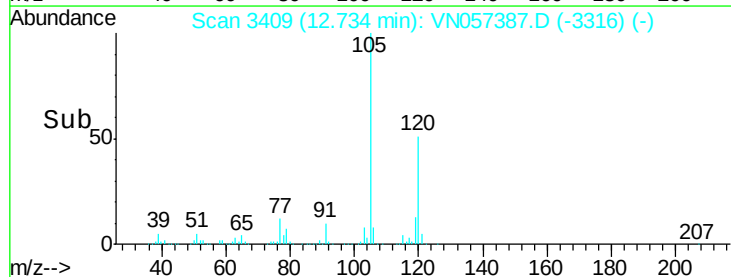
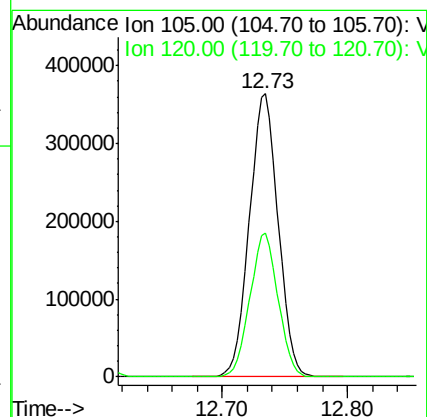
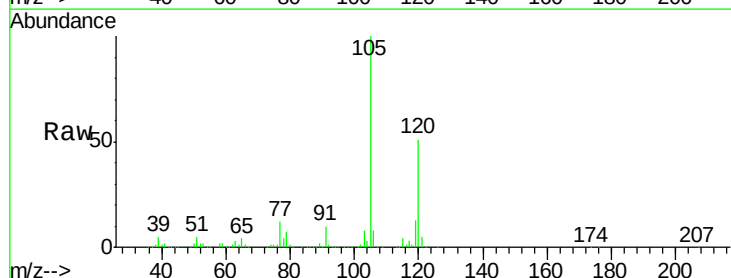
Acq: 19 Aug 2019 9:52

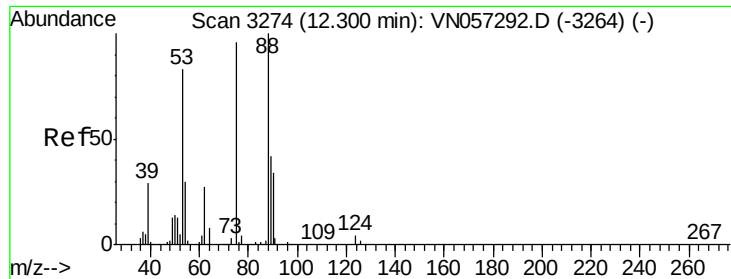
Tgt Ion: 105 Resp: 579850

Ion Ratio Lower Upper

105 100

120 49.9 24.3 73.0





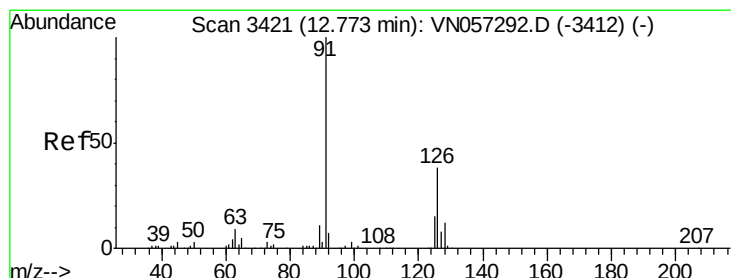
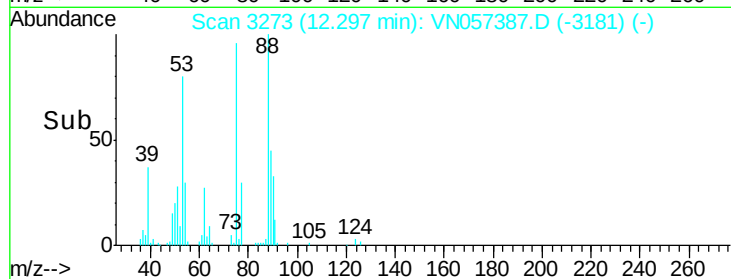
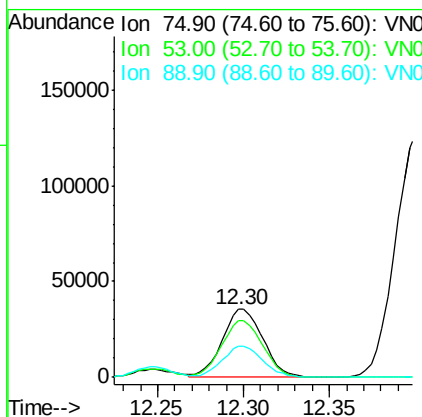
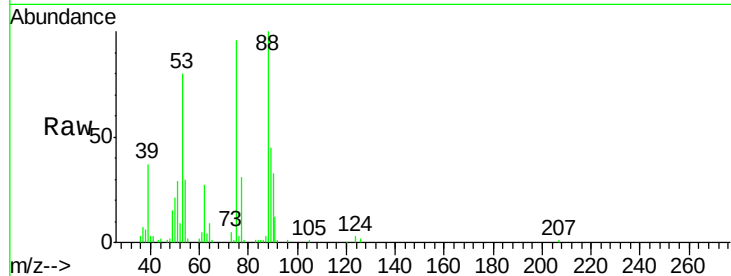
#81
trans-1,4-Dichloro-2-butene
Concen: 16.979 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	83.1	67.9	101.9
89	45.5	36.2	54.4

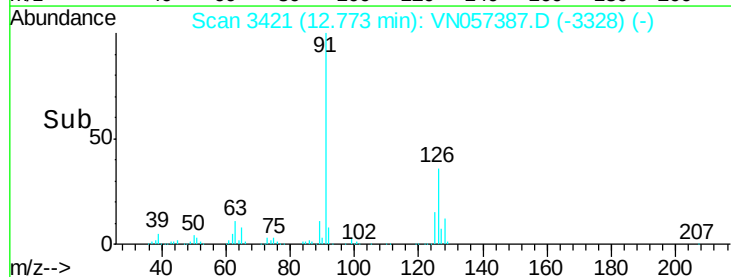
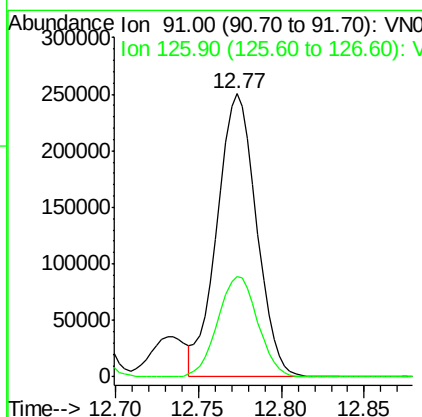
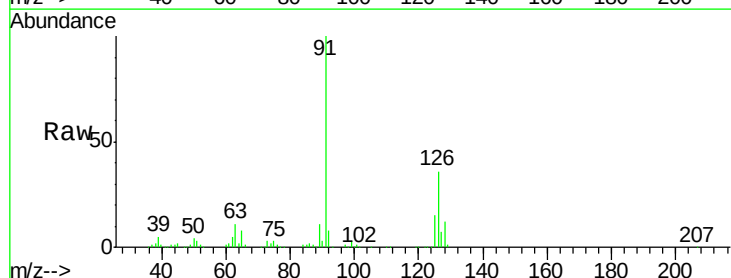
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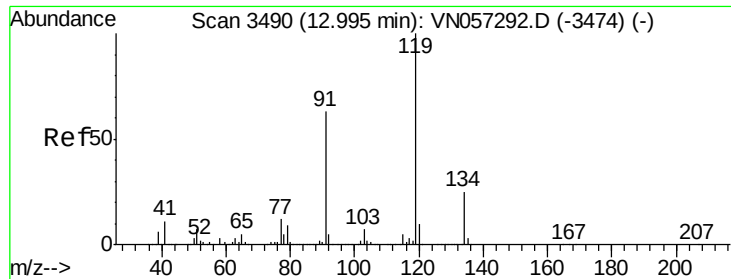
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#82
4-Chlorotoluene
Concen: 17.050 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.3	51.7





#83

tert-Butylbenzene

Concen: 19.514 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

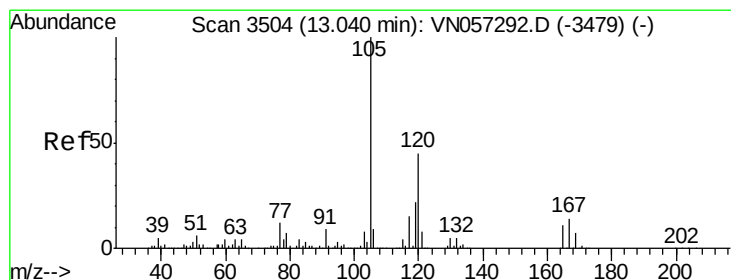
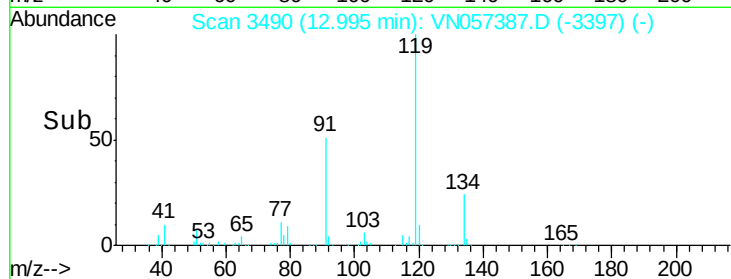
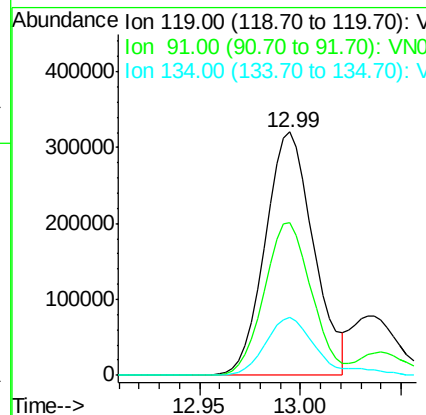
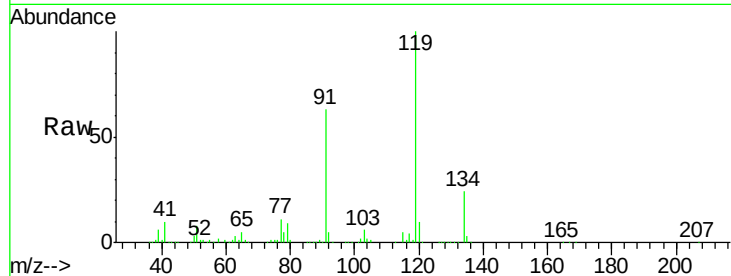
ClientSampleId :

VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	534987		
91	61.6		31.3	93.8
134	23.6		13.1	39.1

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#84

1,2,4-Trimethylbenzene

Concen: 17.256 ug/l

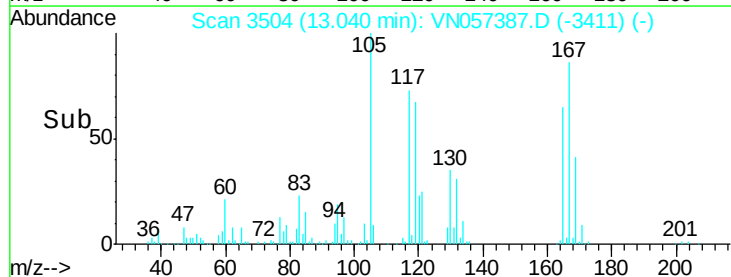
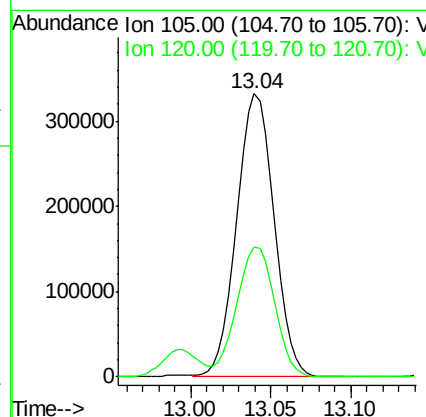
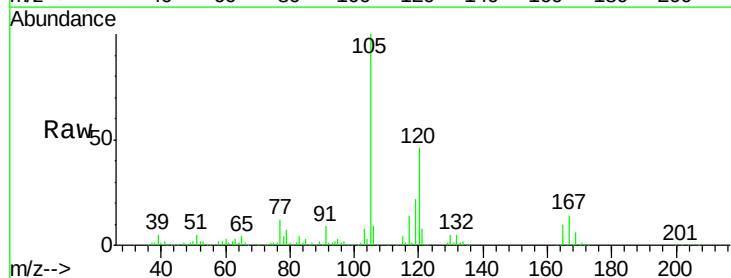
RT: 13.04 min Scan# 3504

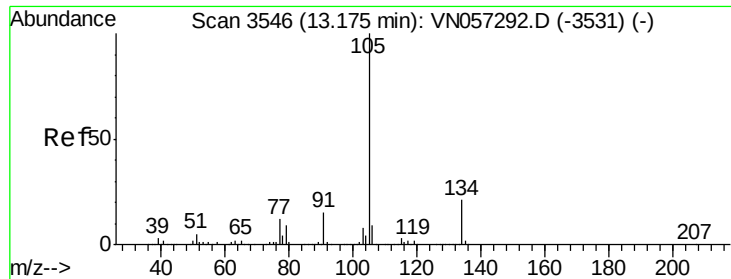
Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	526576		
120	47.0		22.6	67.7





#85

sec-Butylbenzene

Concen: 18.469 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tot Ion:105 Resp: 622541

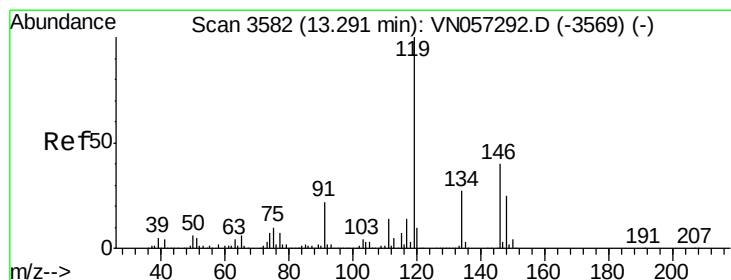
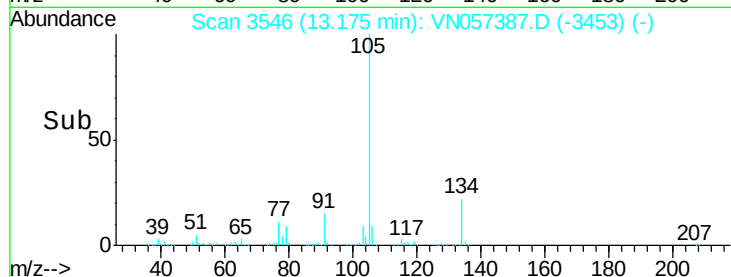
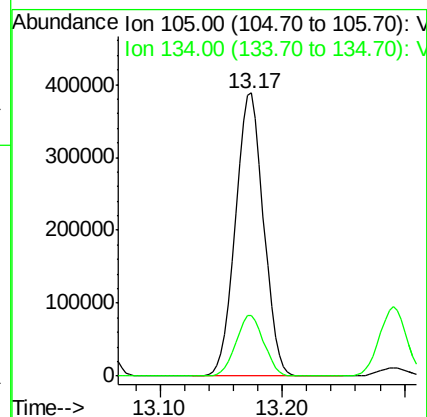
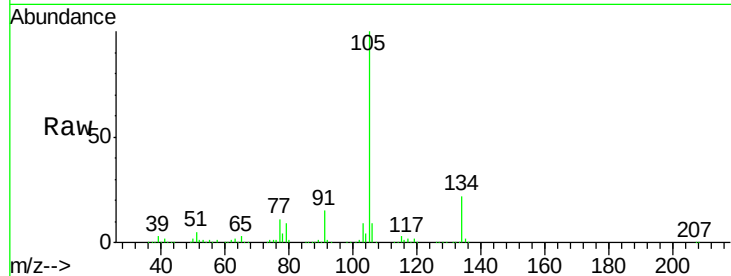
Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 17.288 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

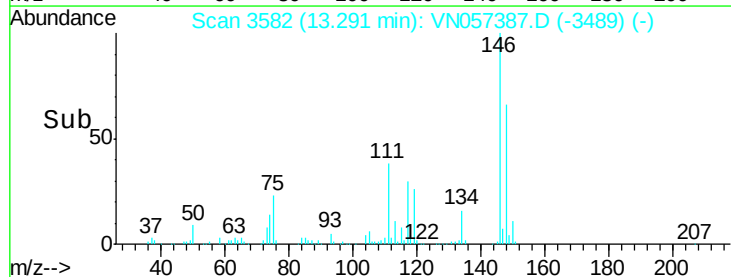
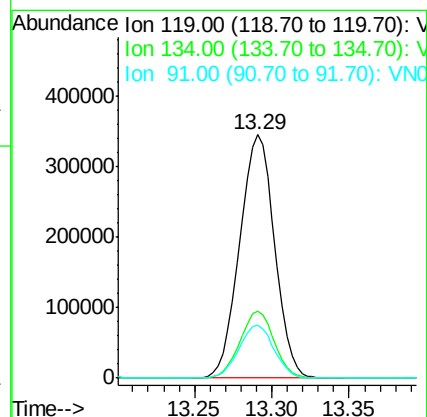
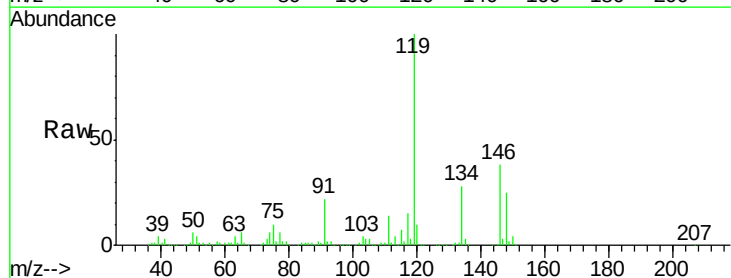
Tgt Ion:119 Resp: 540128

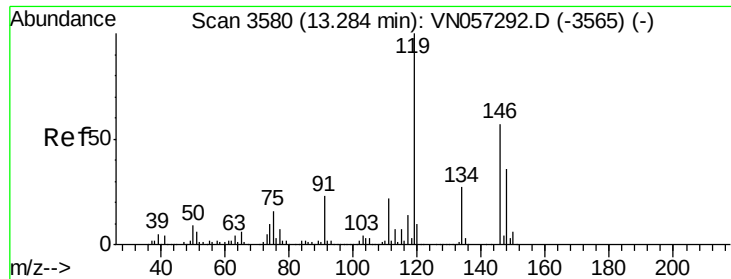
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 21.7 11.2 33.5





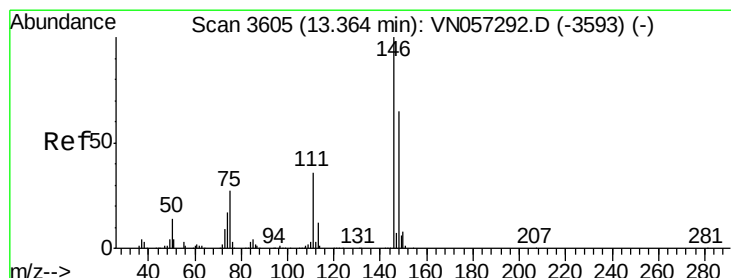
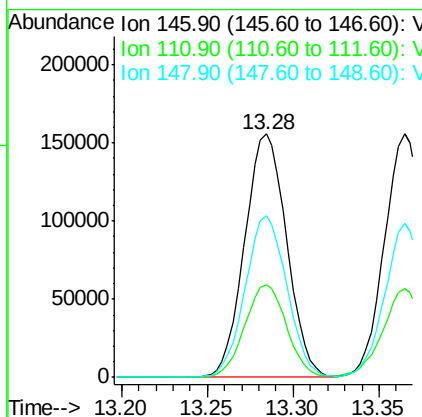
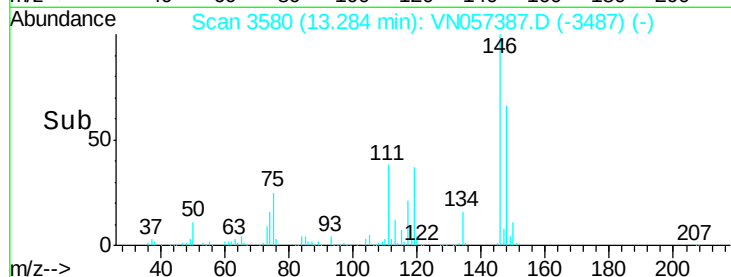
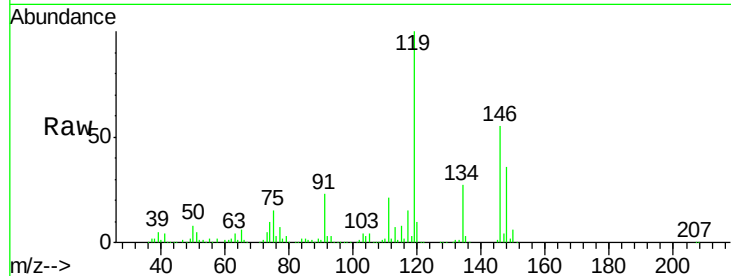
#87
 1,3-Dichlorobenzene
 Concen: 17.771 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	263794		
111	37.9	18.7	56.1	
148	66.1	31.7	95.1	

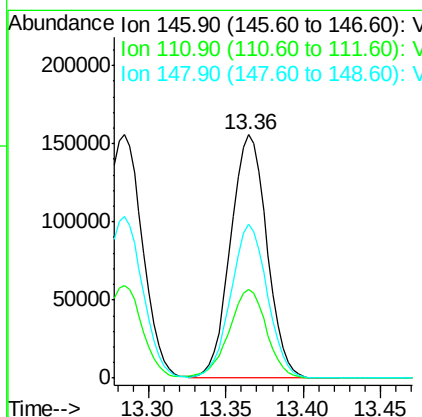
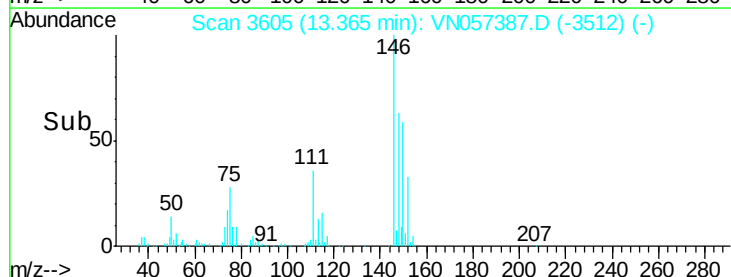
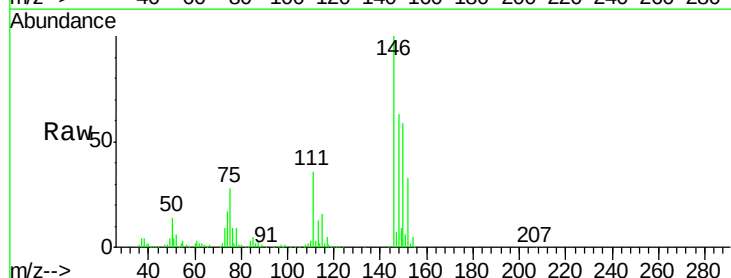
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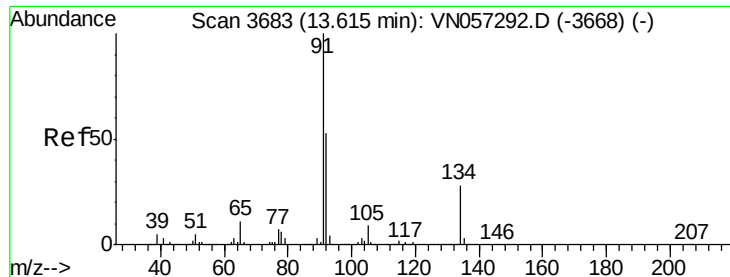
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#88
 1,4-Dichlorobenzene
 Concen: 17.966 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	253155		
111	37.7	18.4	55.4	
148	63.8	32.5	97.4	





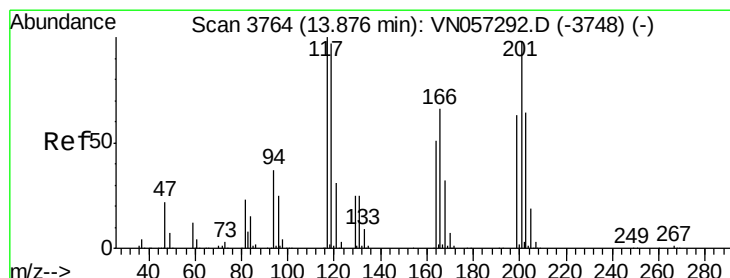
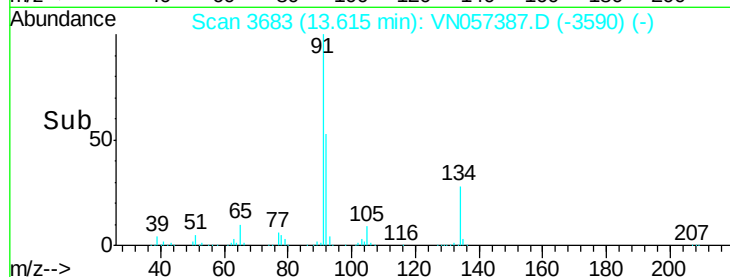
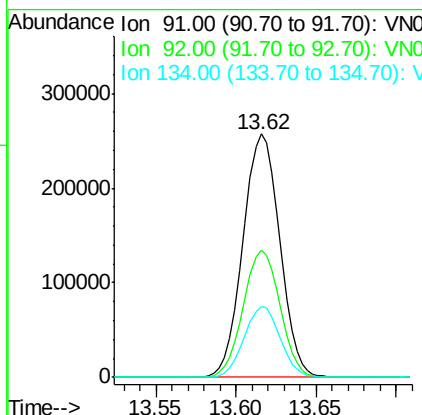
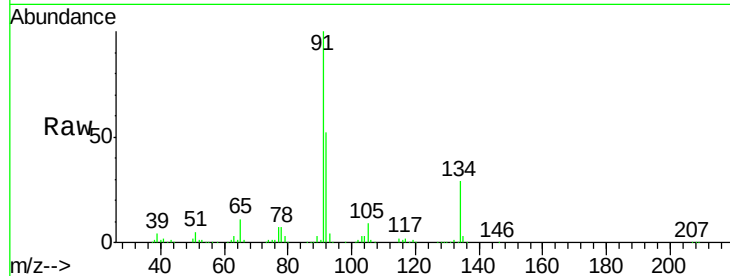
#89
n-Butylbenzene
Concen: 18.132 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	28.4	13.9	41.7

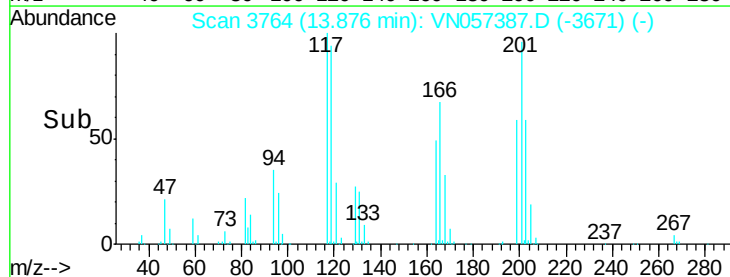
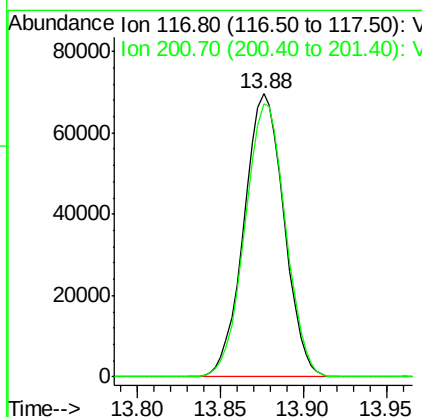
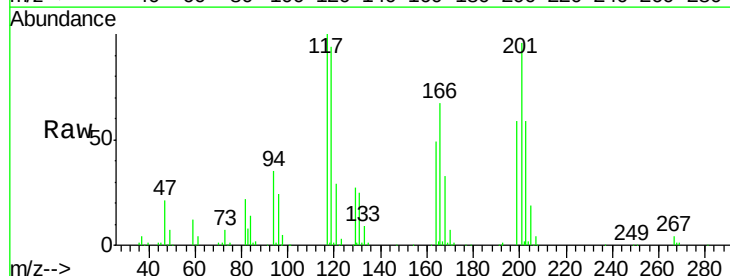
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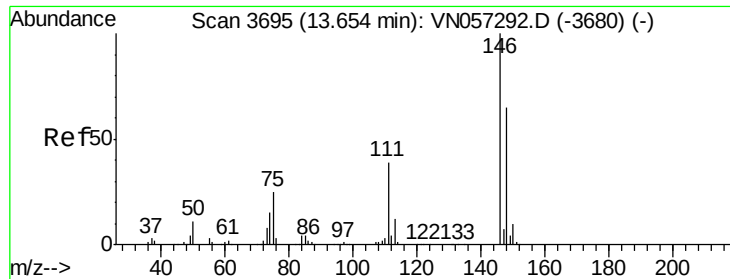
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#90
Hexachloroethane
Concen: 20.619 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.8	48.4	145.0





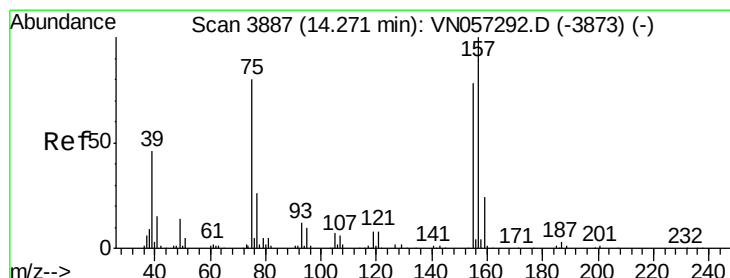
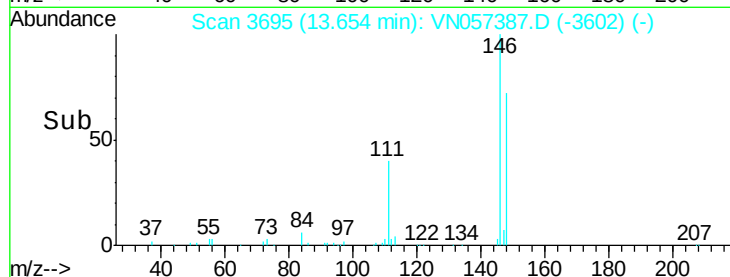
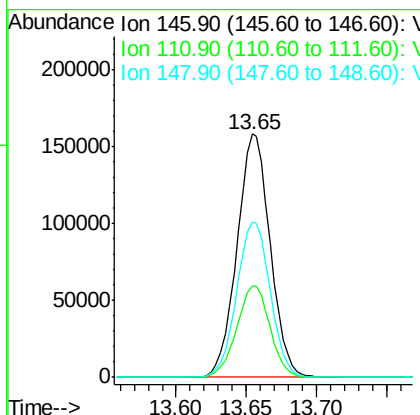
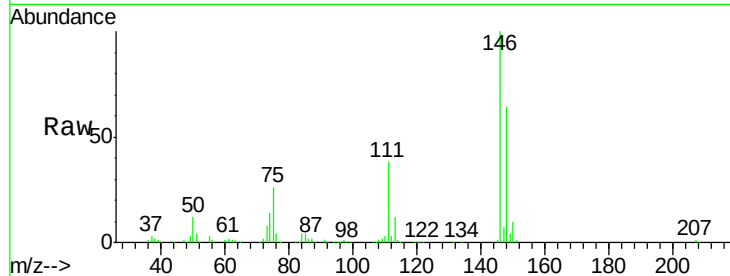
#91
 1,2-Dichlorobenzene
 Concen: 18.815 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	260353		
111	37.7	19.7	59.1	
148	65.0	32.0	96.0	

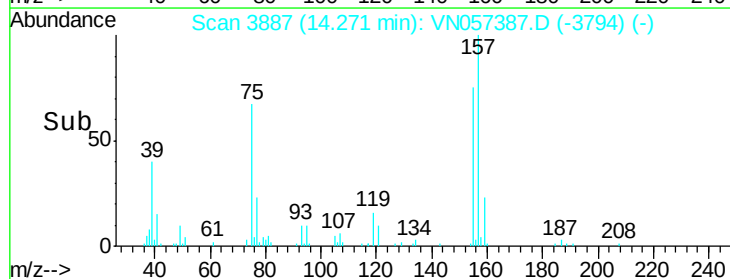
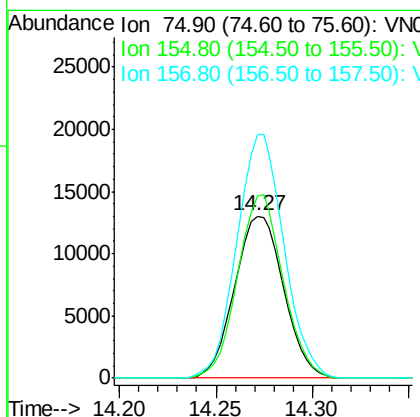
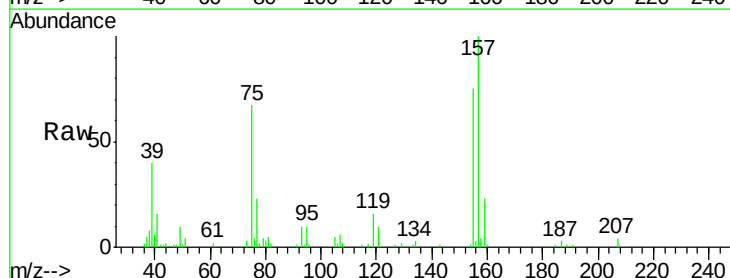
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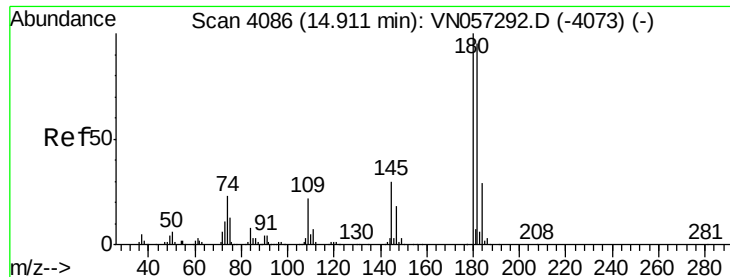
MMDadoda
 8/21/2019 9:45:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.159 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22902		
155	105.6	49.6	148.8	
157	145.0	63.7	191.1	





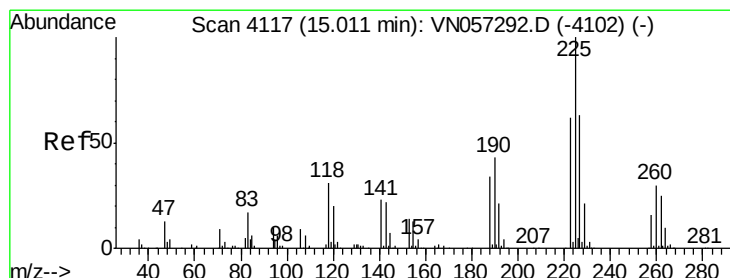
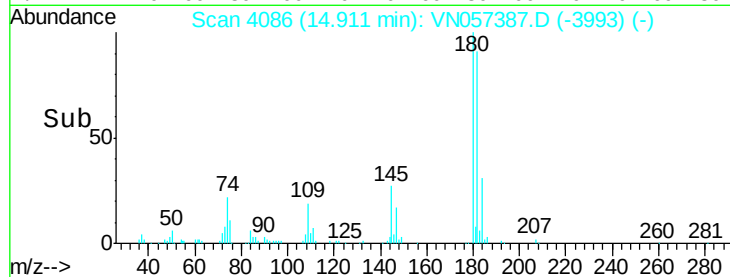
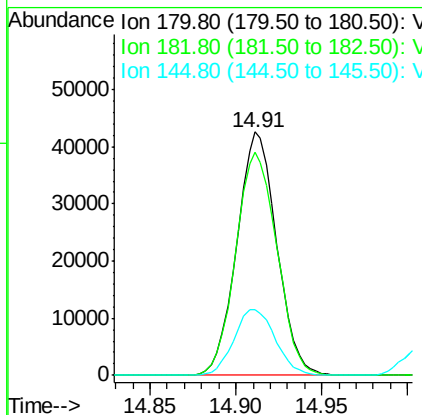
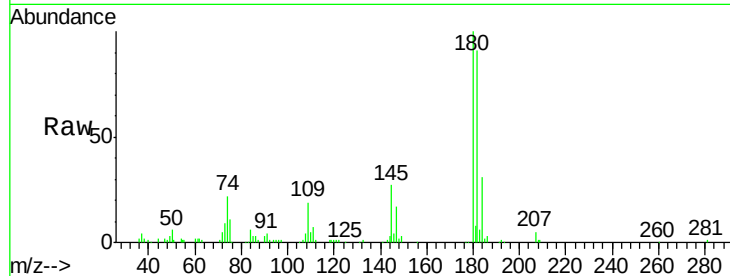
#93
 1,2,4-Trichlorobenzene
 Concen: 16.398 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68435		
182	94.9	48.0	144.2	
145	28.2	14.5	43.6	

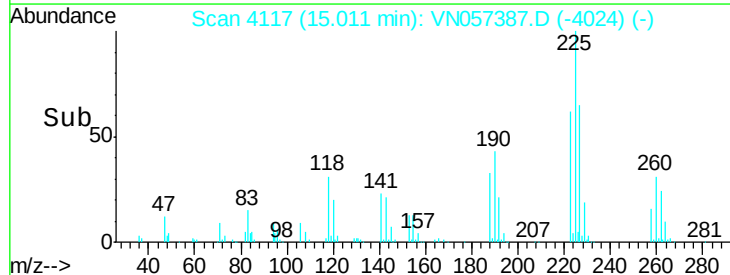
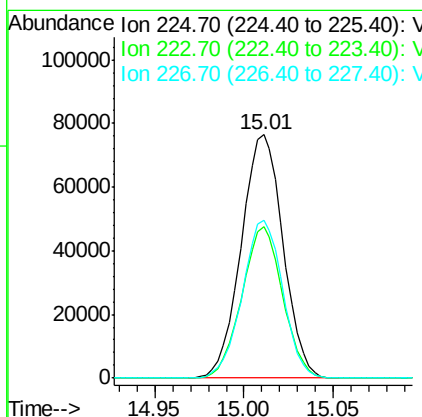
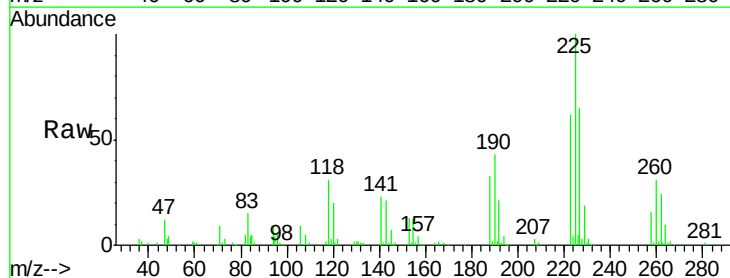
Manual Integrations
 APPROVED

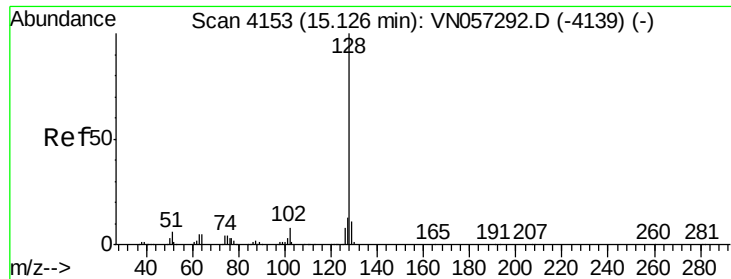
MMDadoda
 8/21/2019 9:45:05 AM



#94
 Hexachlorobutadiene
 Concen: 20.912 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	124898		
223	60.6	30.7	92.1	
227	62.7	30.9	92.7	





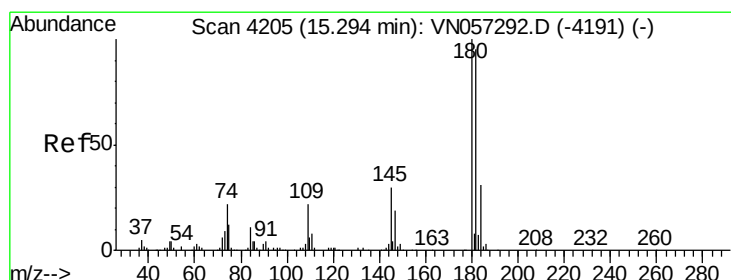
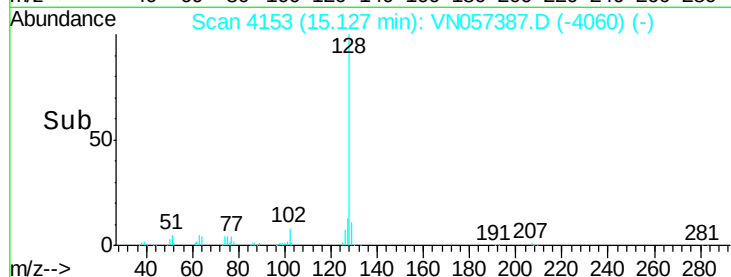
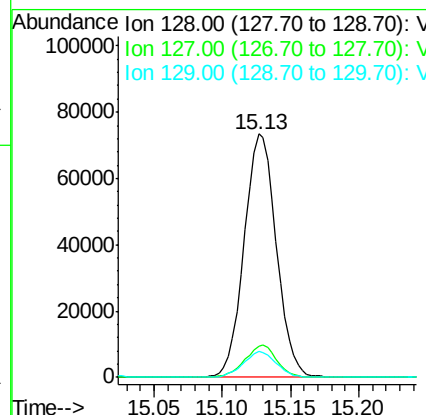
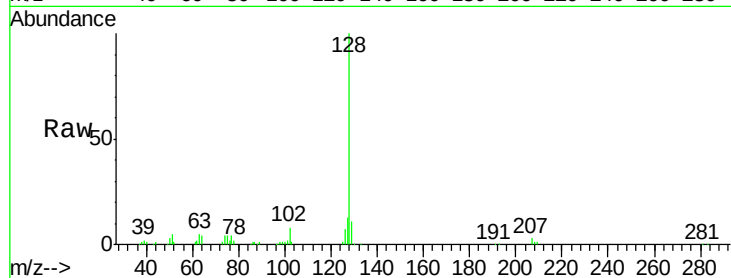
#95
Naphthalene
Concen: 17.661 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/21/2019 9:45:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.609 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	93.9	47.9	143.6
145	28.8	15.1	45.3

