

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057929.D
 Acq On : 11 Sep 2019 17:35
 Operator : JC/SP
 Sample : VN0912MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:25 AM

Quant Time: Sep 11 18:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	324707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	538924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	500927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288602	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	337845	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.57	113	238966	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
50) Toluene-d8	10.09	98	980910	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	335469	45.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	94925	21.139	ug/l	99
3) Chloromethane	2.03	50	87981	19.223	ug/l	98
4) Vinyl Chloride	2.16	62	88787	18.329	ug/l	99
5) Bromomethane	2.54	94	48821	17.347	ug/l	96
6) Chloroethane	2.68	64	55877	18.103	ug/l	100
7) Trichlorofluoromethane	2.99	101	113984	18.699	ug/l	97
8) Diethyl Ether	3.39	74	49820	19.595	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76337	19.851	ug/l	99
10) Methyl Iodide	3.93	142	68478	16.002	ug/l	99
11) Tert butyl alcohol	4.77	59	73623	92.493	ug/l	98
12) 1,1-Dichloroethene	3.71	96	65372	18.907	ug/l	97
13) Acrolein	3.59	56	43688	64.693	ug/l	100
14) Allyl chloride	4.30	41	121843	18.007	ug/l	99
15) Acrylonitrile	4.96	53	223208	102.022	ug/l	100
16) Acetone	3.80	43	187805	87.110	ug/l	96
17) Carbon Disulfide	4.03	76	89568	16.750	ug/l	99
18) Methyl Acetate	4.31	43	126517	22.009	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	290363	20.179	ug/l	99
20) Methylene Chloride	4.53	84	86490	20.343	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	69685	18.644	ug/l	97
22) Diisopropyl ether	5.93	45	317321	19.998	ug/l	96
23) Vinyl Acetate	5.87	43	1148314	102.112	ug/l	99
24) 1,1-Dichloroethane	5.82	63	167818	19.351	ug/l	99
25) 2-Butanone	6.82	43	299750	96.060	ug/l	97
26) 2,2-Dichloropropane	6.81	77	122007	17.777	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	95686	19.103	ug/l	99
28) Bromochloromethane	7.18	49	86170	19.889	ug/l	98
29) Tetrahydrofuran	7.20	42	192024	99.866	ug/l	100
30) Chloroform	7.36	83	178293	19.663	ug/l	98
31) Cyclohexane	7.64	56	124741	19.755	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	136839	19.028	ug/l	98
36) 1,1-Dichloropropene	7.78	75	114470	18.315	ug/l	100
37) Ethyl Acetate	6.91	43	128327	19.873	ug/l	100
38) Carbon Tetrachloride	7.76	117	104815	18.368	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	115983	17.653	ug/l	97
40) Benzene	8.03	78	363047	19.294	ug/l	98
41) Methacrylonitrile	7.16	41	65974	22.507	ug/l #	66
42) 1,2-Dichloroethane	8.11	62	147753	19.634	ug/l	99
43) Isopropyl Acetate	8.15	43	211559	19.482	ug/l #	91
44) Trichloroethene	8.83	130	85035	18.425	ug/l	96
45) 1,2-Dichloropropane	9.11	63	105557	19.278	ug/l	99
46) Dibromomethane	9.20	93	65328	19.744	ug/l	98
47) Bromodichloromethane	9.40	83	122720	18.574	ug/l	99
48) Methyl methacrylate	9.19	41	104254	18.926	ug/l	98
49) 1,4-Dioxane	9.19	88	33825	363.103	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	675823	105.166	ug/l	99
52) Toluene	10.15	92	225244	19.005	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	123819	17.796	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	139255	18.128	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	99337	19.787	ug/l	100
56) Ethyl methacrylate	10.43	69	148110	19.592	ug/l	99
57) 1,3-Dichloropropane	10.71	76	173338	20.035	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	359039	100.835	ug/l	100
59) 2-Hexanone	10.75	43	482883	100.251	ug/l	99
60) Dibromochloromethane	10.90	129	82858	17.774	ug/l	100
61) 1,2-Dibromoethane	11.00	107	91214	19.219	ug/l	99
64) Tetrachloroethene	10.63	164	69986	18.922	ug/l	97
65) Chlorobenzene	11.43	112	255884	19.519	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	84395	18.553	ug/l	97
67) Ethyl Benzene	11.51	91	455001	19.804	ug/l	100
68) m/p-Xylenes	11.62	106	334005	39.688	ug/l	100
69) o-Xylene	11.95	106	165119	19.736	ug/l	98
70) Styrene	11.97	104	284694	19.772	ug/l	99
71) Bromoform	12.13	173	48888	17.238	ug/l #	98
73) Isopropylbenzene	12.25	105	454797	20.308	ug/l	99
74) N-amyl acetate	12.07	43	188410	19.332	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	148384	19.679	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	117331m	17.972	ug/l	
77) Bromobenzene	12.53	156	106740	19.117	ug/l	98
78) n-propylbenzene	12.60	91	539697	20.987	ug/l	99
79) 2-Chlorotoluene	12.68	91	318297	19.584	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	388895	20.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28339	15.275	ug/l #	79
82) 4-Chlorotoluene	12.78	91	324482	19.441	ug/l	100
83) tert-Butylbenzene	13.00	119	334339	19.877	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	386216	20.082	ug/l	100
85) sec-Butylbenzene	13.18	105	452608	20.302	ug/l	100
86) p-Isopropyltoluene	13.29	119	401241	20.427	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	198529	19.372	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	200953	19.317	ug/l	99
89) n-Butylbenzene	13.62	91	373382	20.128	ug/l	99
90) Hexachloroethane	13.88	117	53135	18.189	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	200194	19.553	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23197	18.629	ug/l	99

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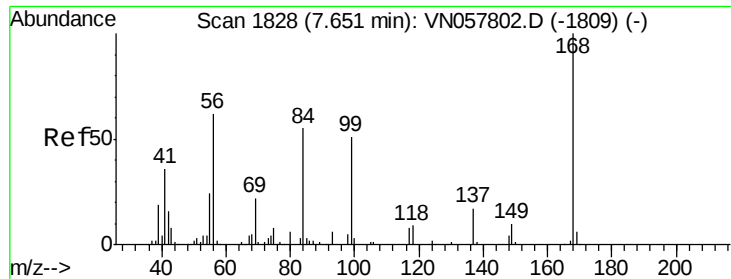
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	121997	18.230	ug/l	99
94) Hexachlorobutadiene	15.02	225	53730	18.940	ug/l	98
95) Naphthalene	15.13	128	357605	20.231	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	115600	20.390	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion:168 Resp: 324707

Ion Ratio Lower Upper

168 100

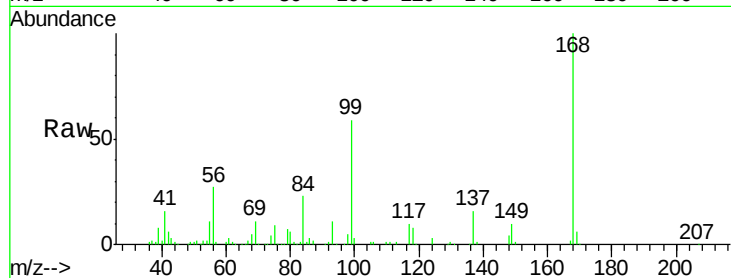
99 59.1 48.0 72.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

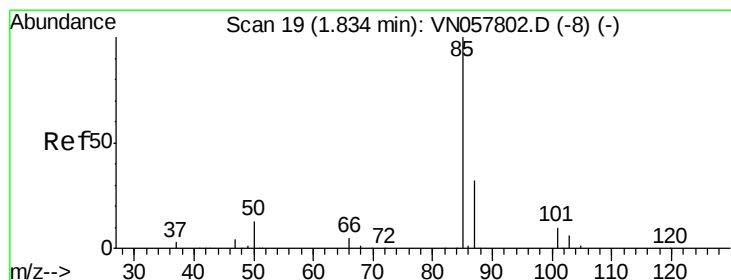
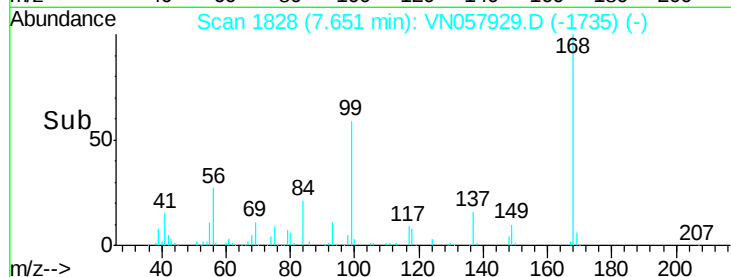
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.139 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057929.D

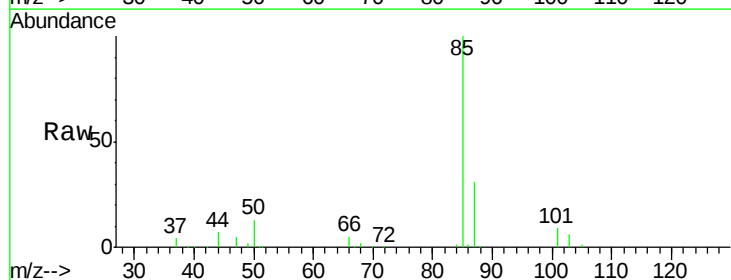
Acq: 11 Sep 2019 17:35

Tgt Ion: 85 Resp: 94925

Ion Ratio Lower Upper

85 100

87 31.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

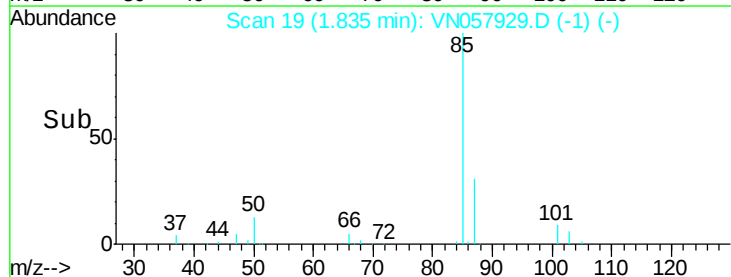
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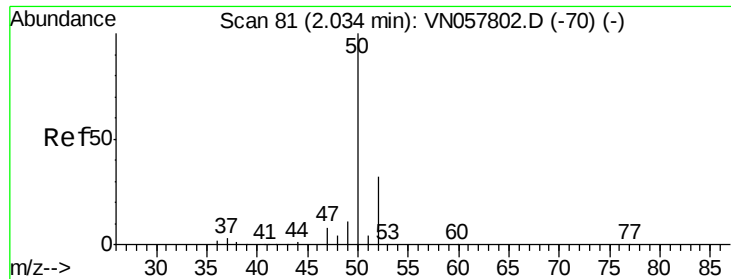
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.223 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 50 Resp: 87981

Ion Ratio Lower Upper

50 100

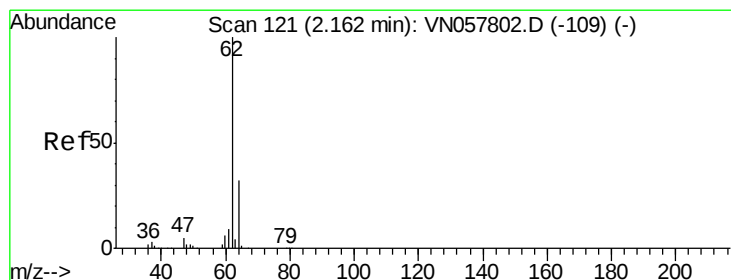
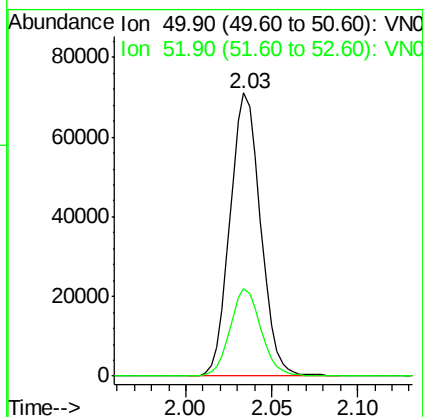
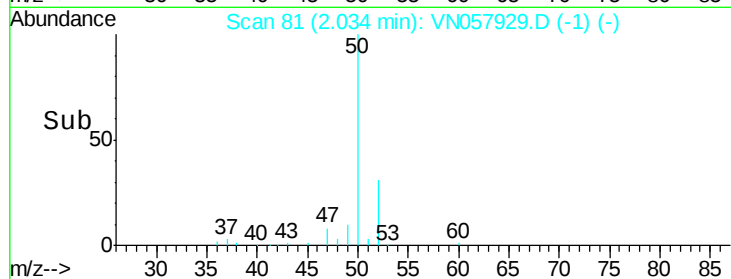
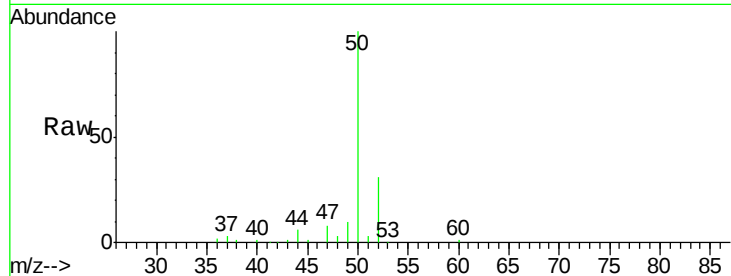
52 30.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.329 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057929.D

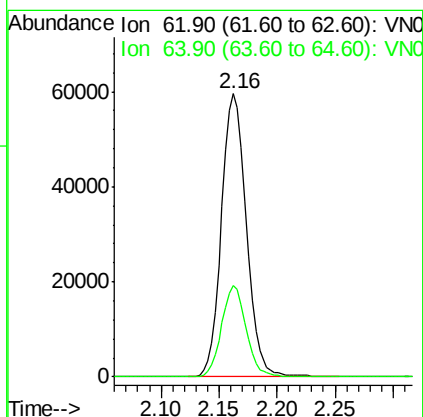
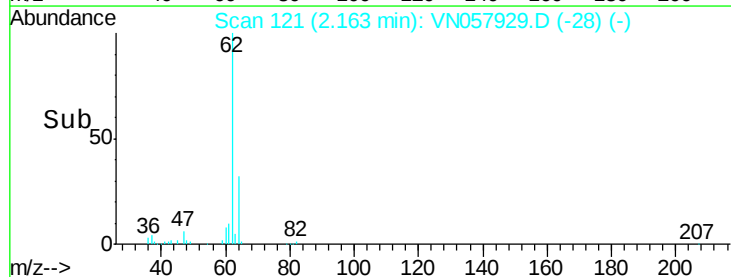
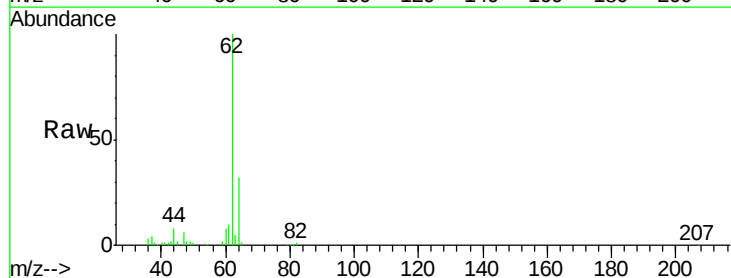
Acq: 11 Sep 2019 17:35

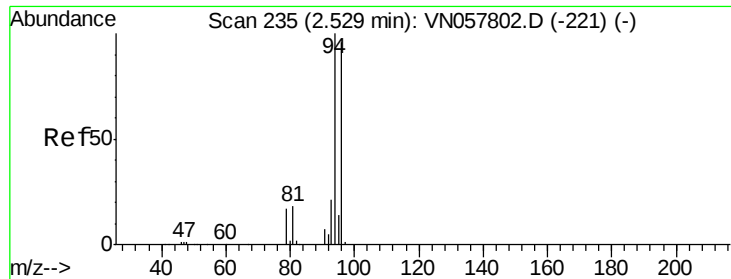
Tgt Ion: 62 Resp: 88787

Ion Ratio Lower Upper

62 100

64 32.3 25.6 38.4





#5

Bromomethane

Concen: 17.347 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 94 Resp: 48821

Ion Ratio Lower Upper

94 100

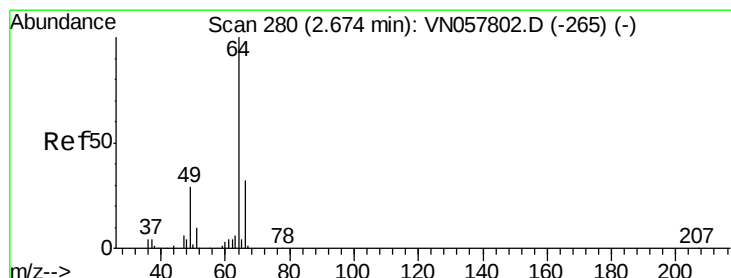
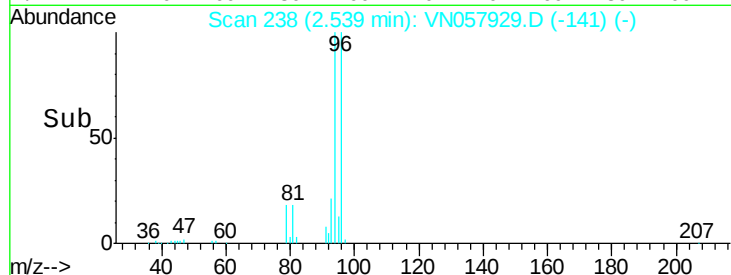
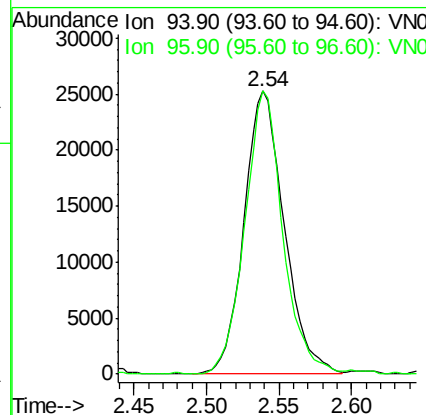
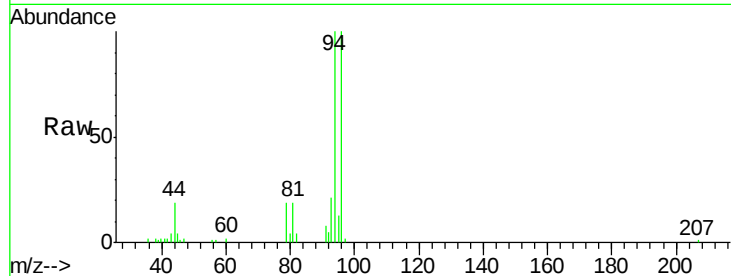
96 100.1 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 18.103 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057929.D

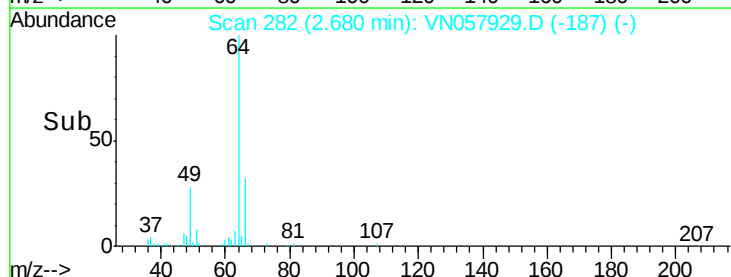
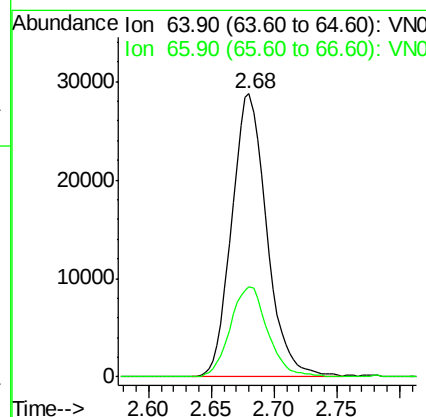
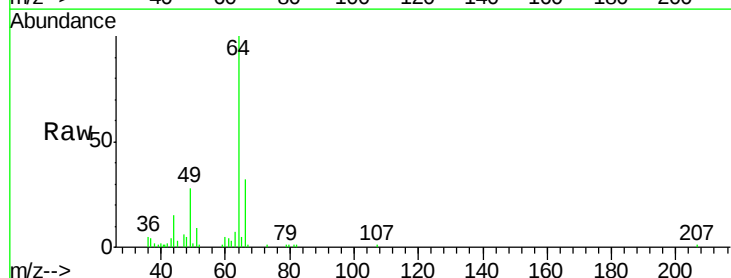
Acq: 11 Sep 2019 17:35

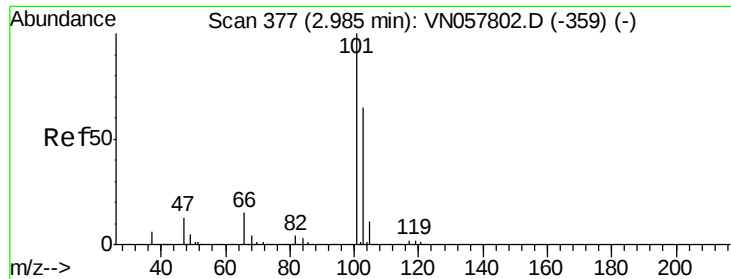
Tgt Ion: 64 Resp: 55877

Ion Ratio Lower Upper

64 100

66 32.1 25.5 38.3





#7

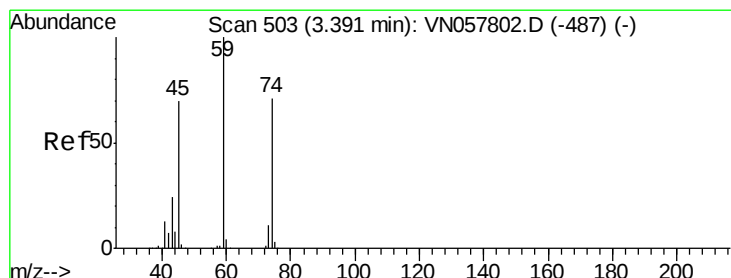
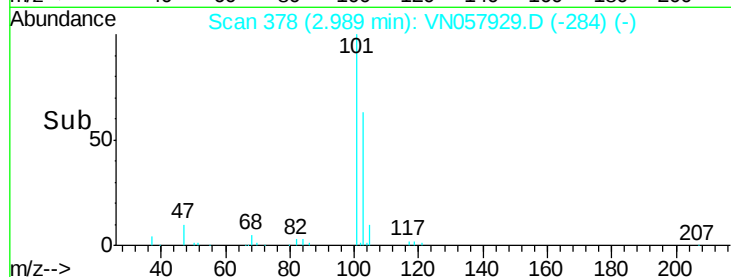
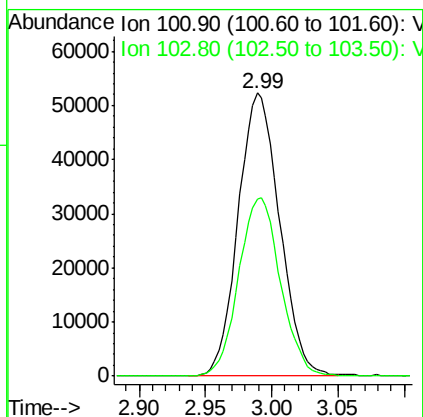
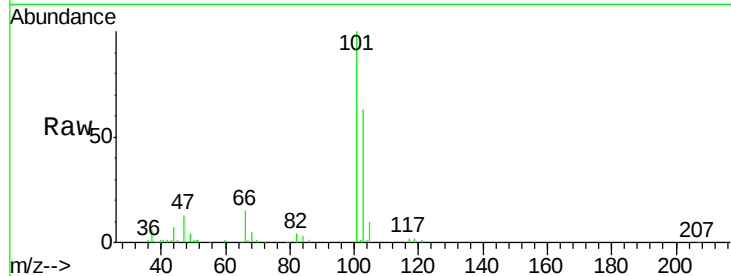
Trichlorofluoromethane
 Concen: 18.699 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
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 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	51.9	77.9

Manual Integrations
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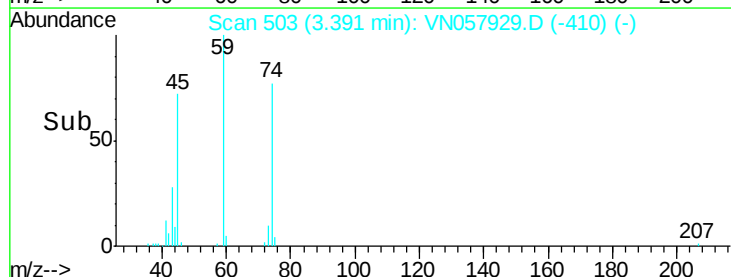
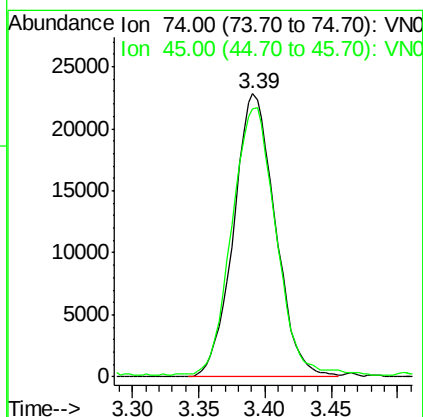
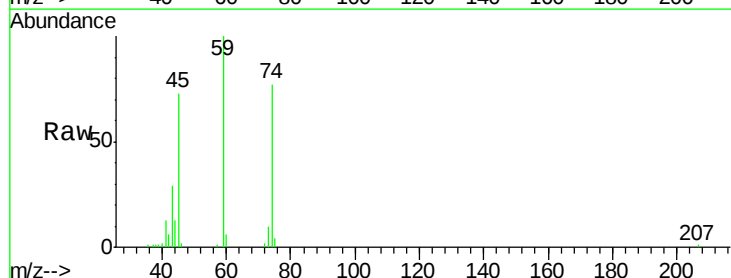
MMDadoda
 9/13/2019 11:07:25 AM

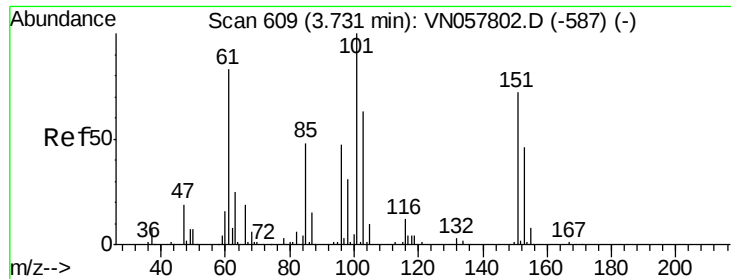


#8

Diethyl Ether
 Concen: 19.595 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	50.3	151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.851 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

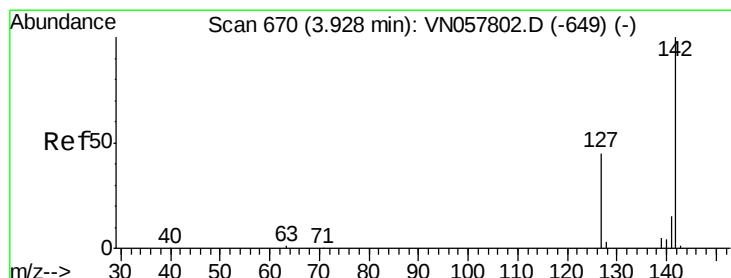
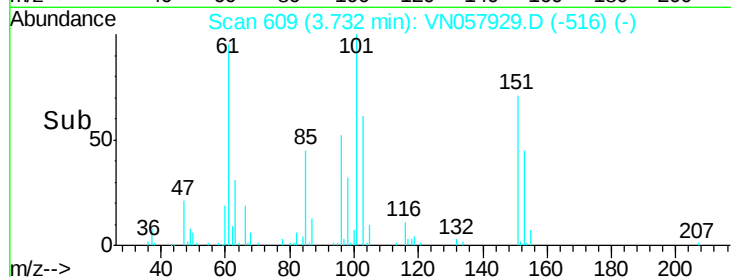
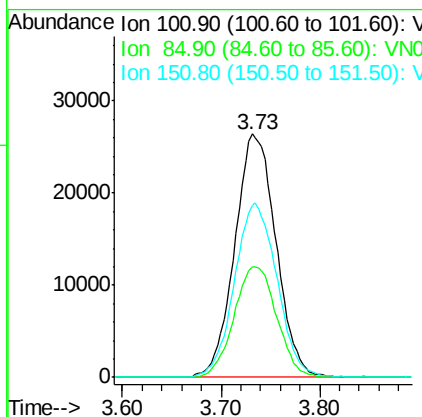
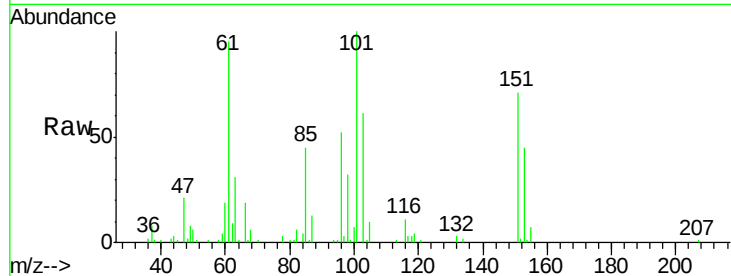
ClientSampleId :

VN0912MBS01

Tot Ion:	101	Resp:	76337
Ion Ratio	Lower	Upper	
101	100		
85	46.8	38.1	57.1
151	73.8	58.4	87.6

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#10

Methyl Iodide

Concen: 16.002 ug/l

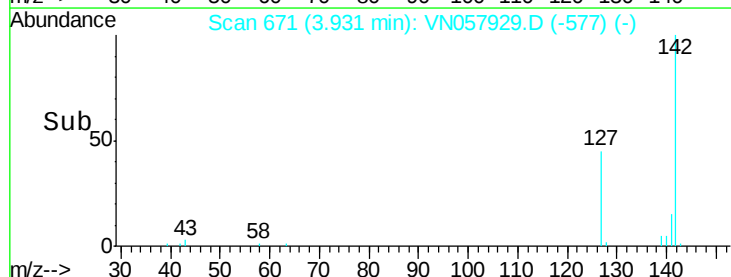
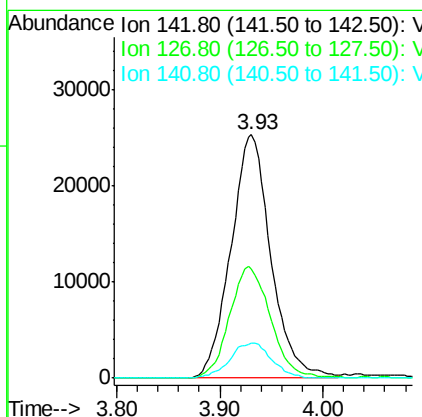
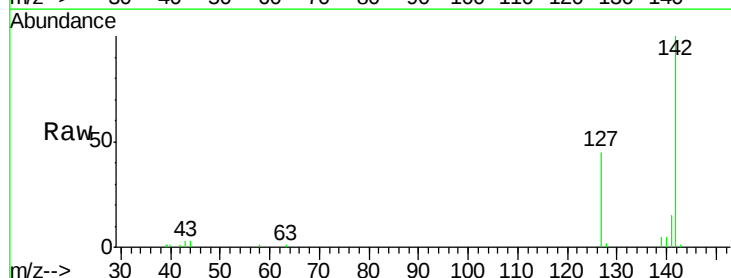
RT: 3.93 min Scan# 671

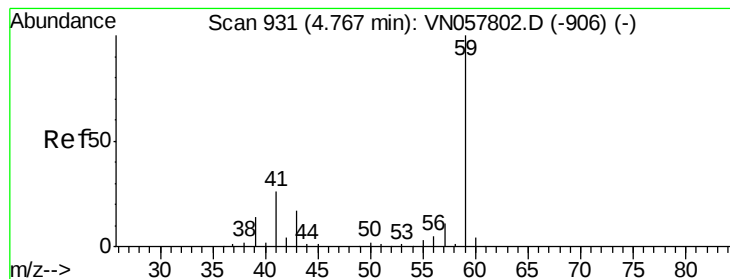
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	142	Resp:	68478
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.7	55.1
141	15.0	11.4	17.0





#11

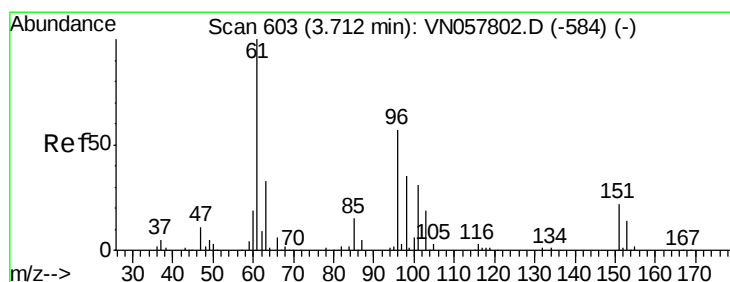
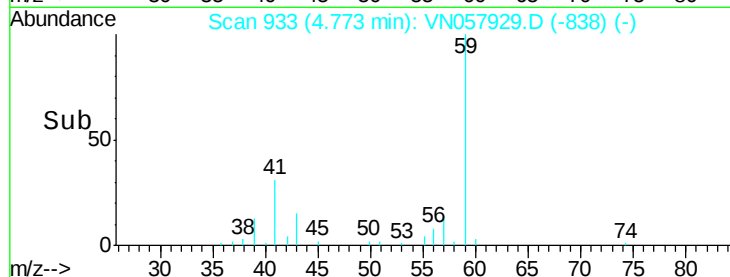
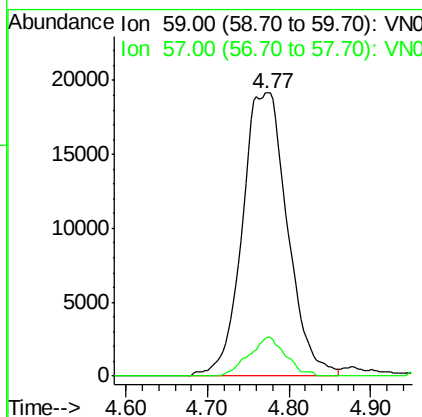
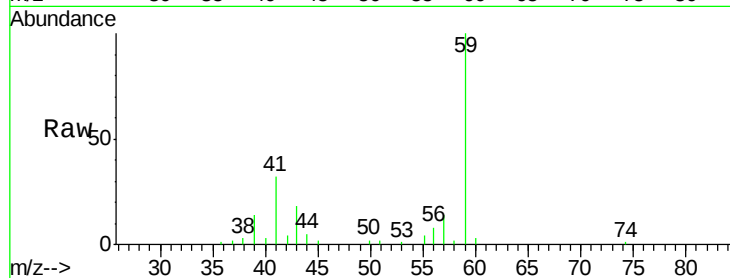
Tert butyl alcohol
 Concen: 92.493 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.2	8.4	12.6

Manual Integrations
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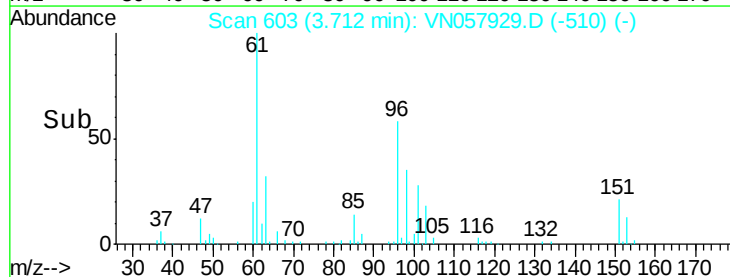
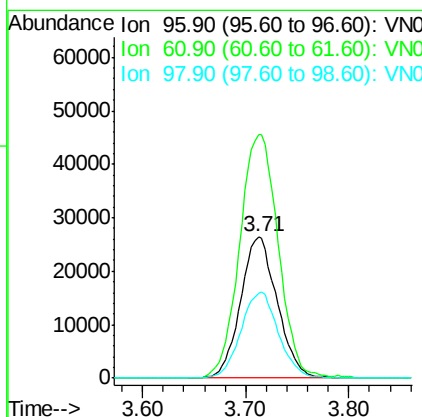
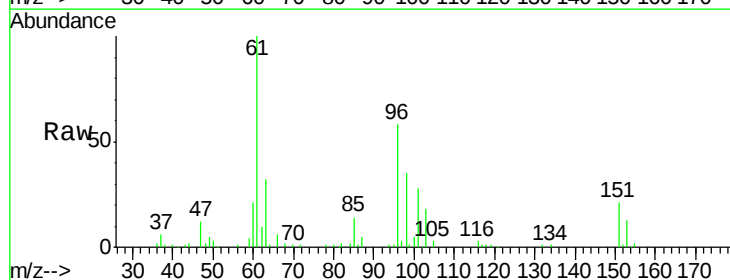
MMDadoda
 9/13/2019 11:07:25 AM

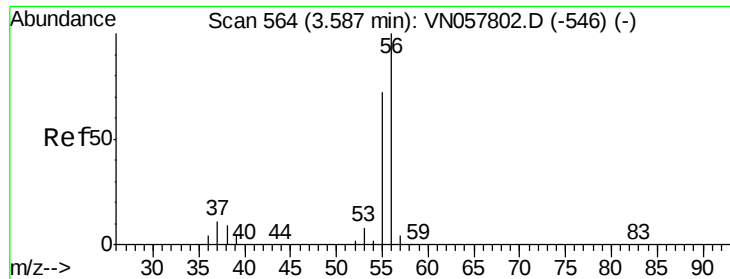


#12

1,1-Dichloroethene
 Concen: 18.907 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	172.0	141.2	211.8
98	98	59.7	49.9	74.9





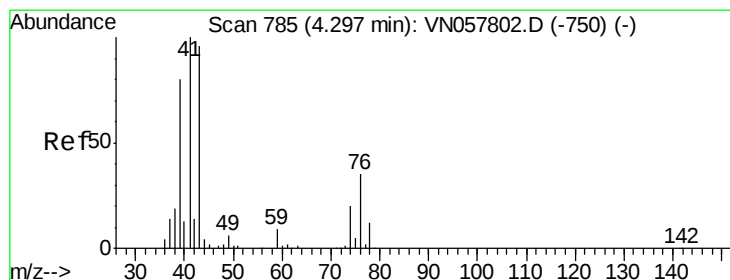
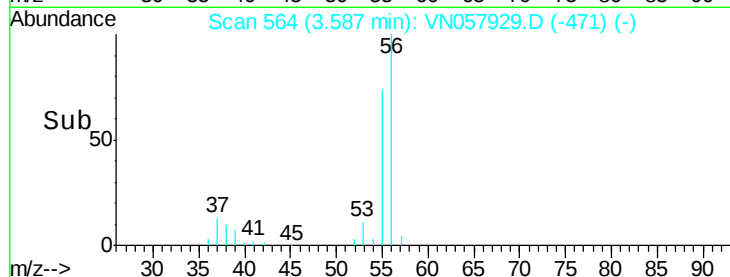
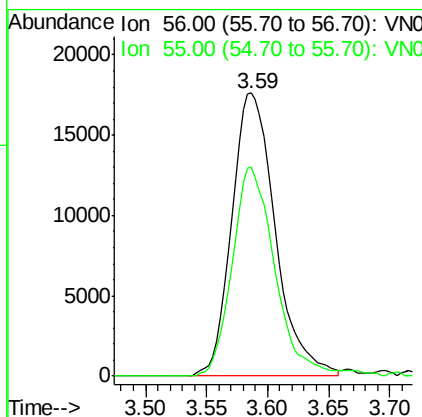
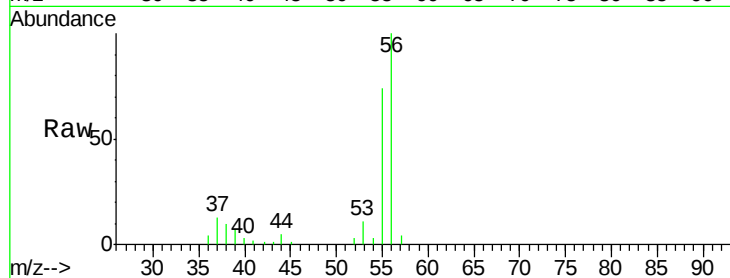
#13
Acrolein
Concen: 64.693 ug/l
RT: 3.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	56	55	Ratio	Lower	Upper
56	100				
55	71.6		57.3	85.9	

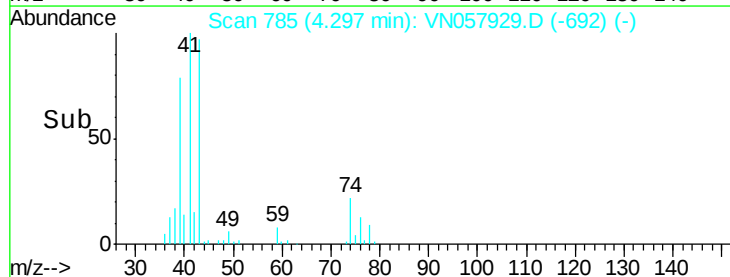
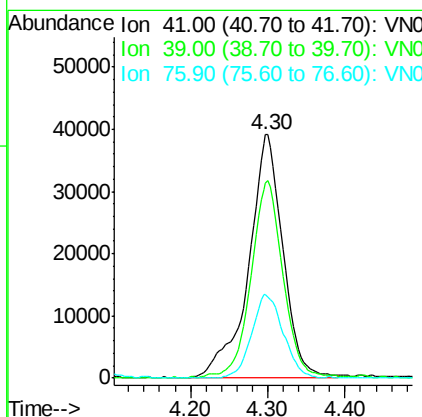
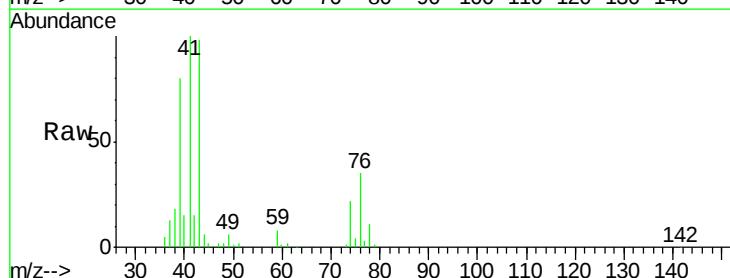
Manual Integrations
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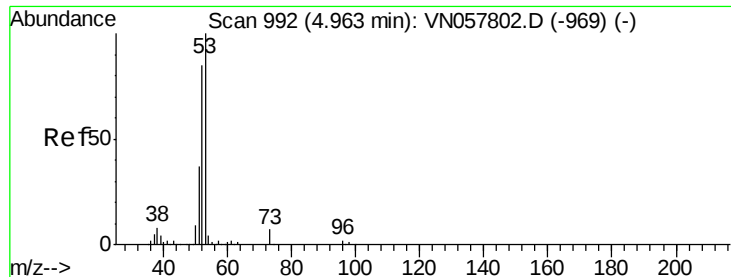
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#14
Allyl chloride
Concen: 18.007 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	41	39	76	Ratio	Lower	Upper
41	100					
39	74.2		59.4	89.2		
76	31.5		26.0	39.0		





#15

Acrylonitrile

Concen: 102.022 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

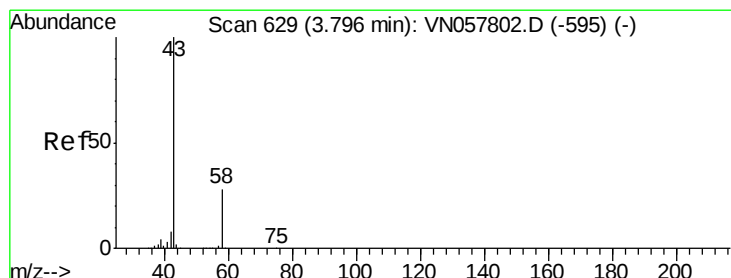
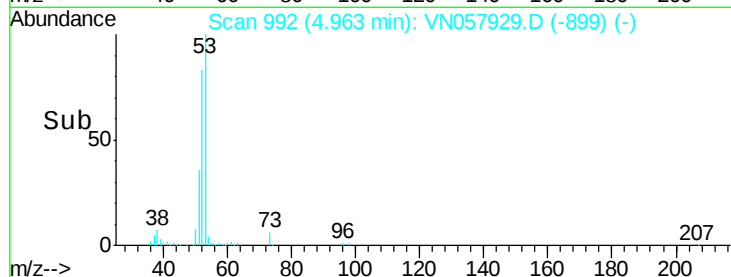
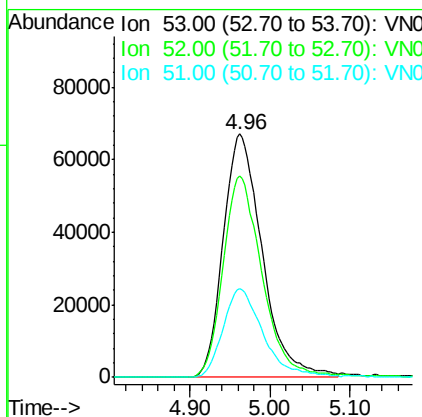
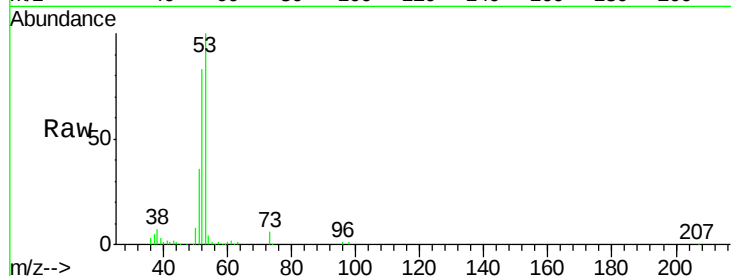
ClientSampleId :

VN0912MBS01

Tot Ion:	53	Resp:	223208
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.6	100.0
51	37.1	29.8	44.8

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#16

Acetone

Concen: 87.110 ug/l

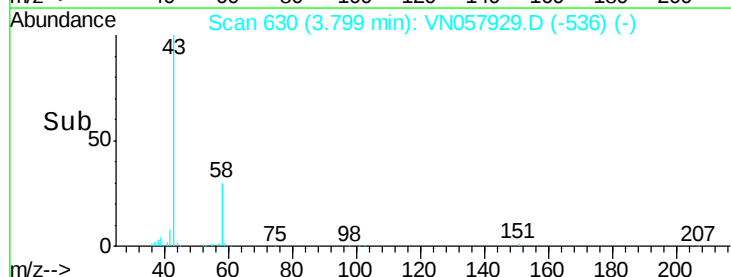
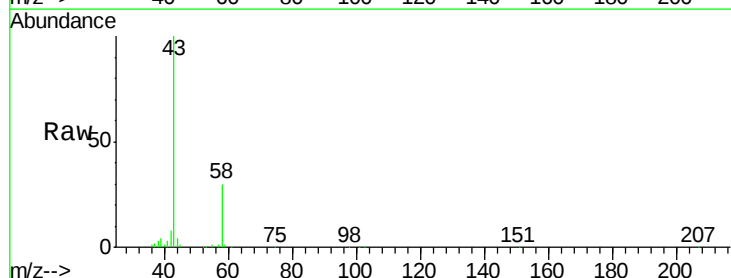
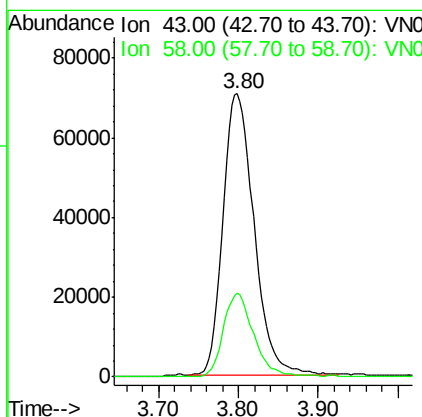
RT: 3.80 min Scan# 630

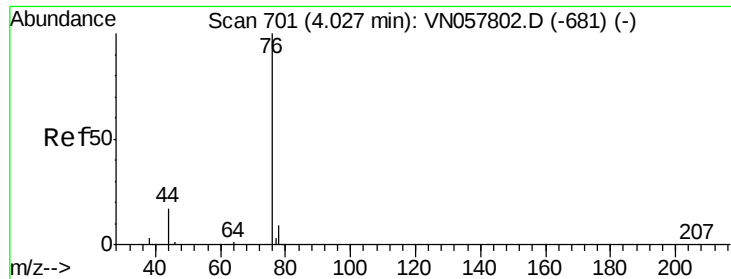
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	43	Resp:	187805
Ion Ratio		Lower	Upper
43	100		
58	29.8	22.2	33.2





#17

Carbon Disulfide

Concen: 16.750 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 76 Resp: 89568

Ion Ratio Lower Upper

76 100

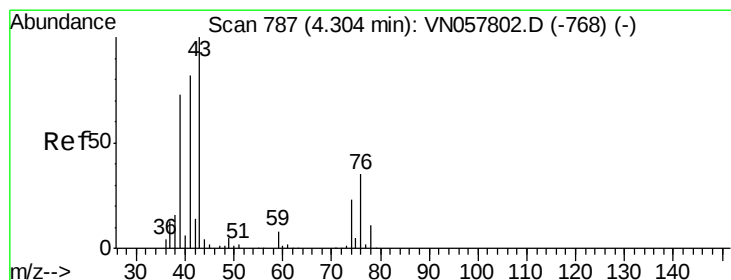
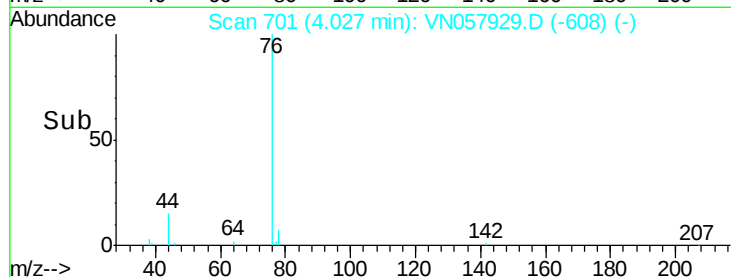
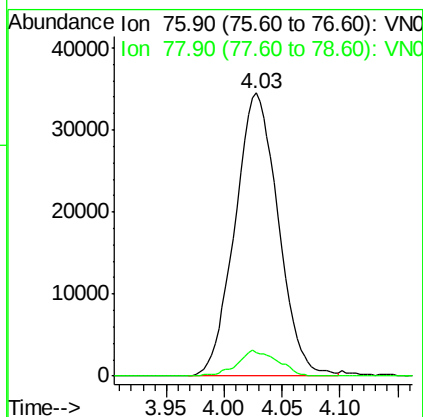
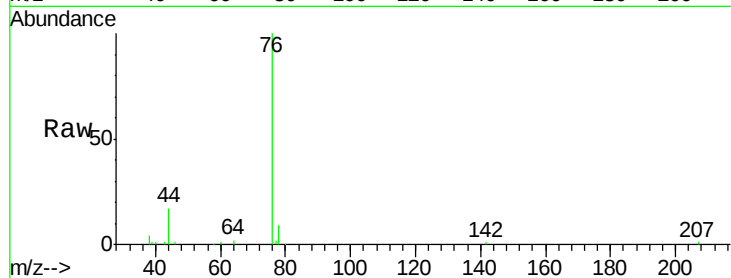
78 8.5 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 22.009 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057929.D

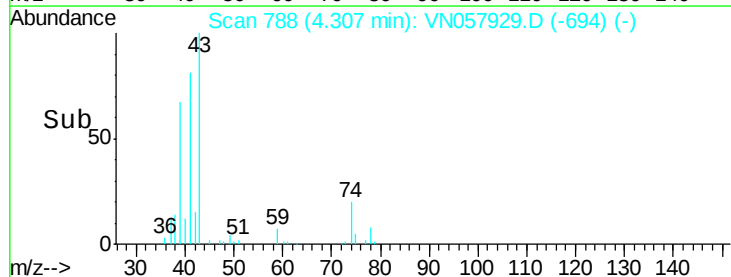
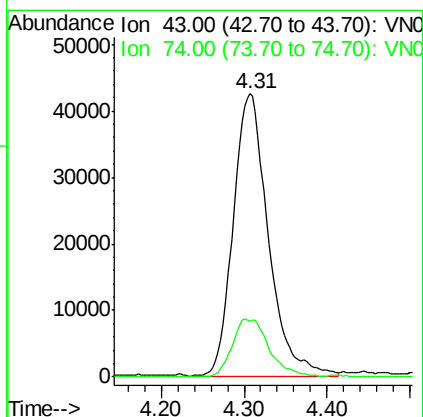
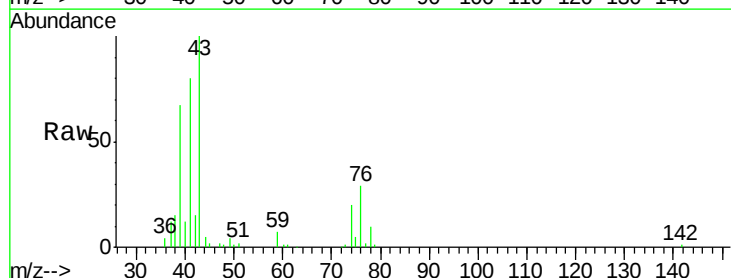
Acq: 11 Sep 2019 17:35

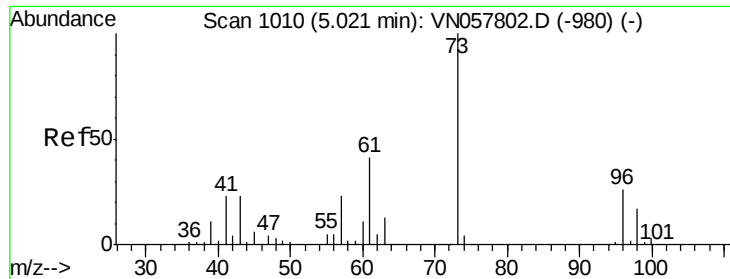
Tgt Ion: 43 Resp: 126517

Ion Ratio Lower Upper

43 100

74 21.1 17.9 26.9





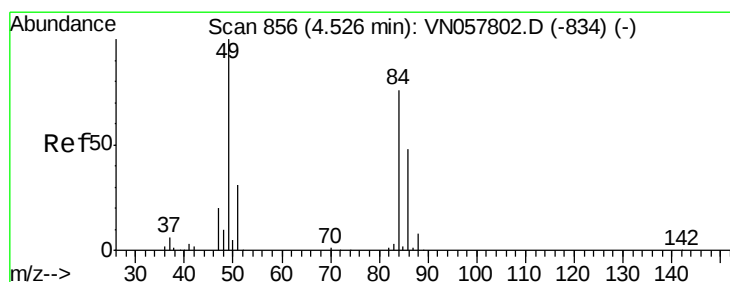
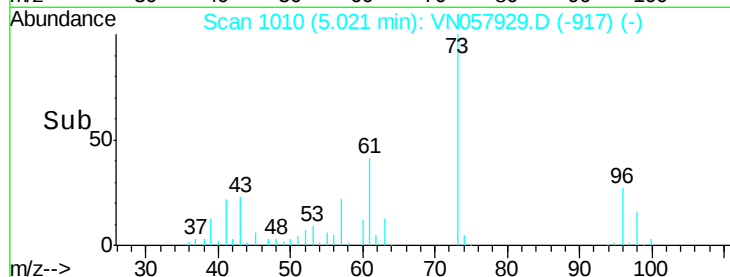
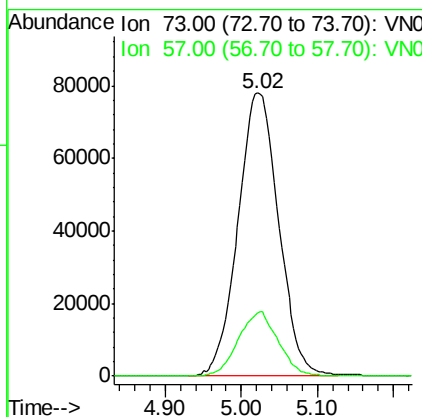
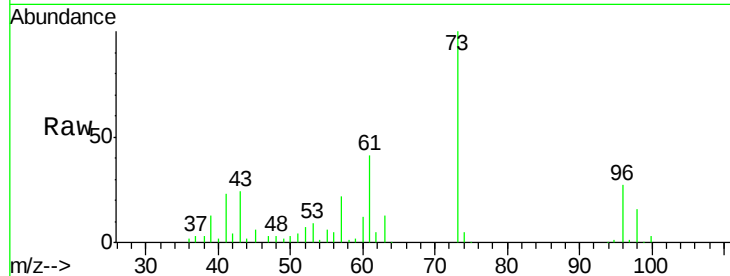
#19
Methvl tert-butvl Ether
Concen: 20.179 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion: 73 Resp: 290363
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.2

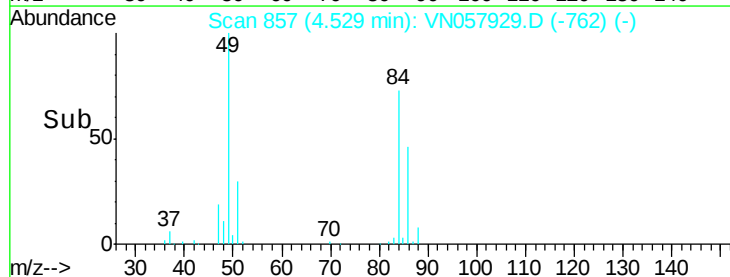
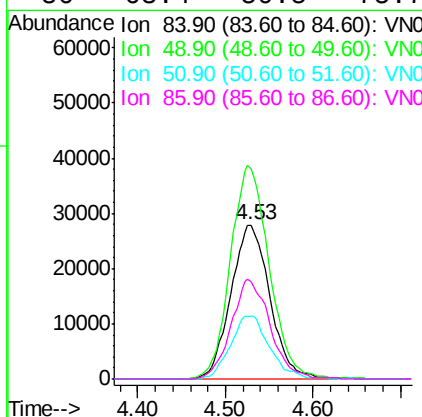
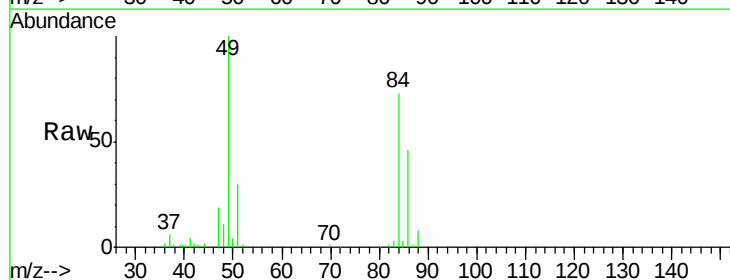
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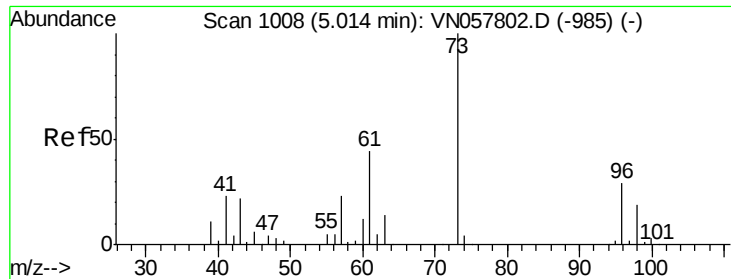
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#20
Methylene Chloride
Concen: 20.343 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion: 84 Resp: 86490
Ion Ratio Lower Upper
84 100
49 136.7 104.8 157.2
51 41.0 33.0 49.4
86 63.4 50.5 75.7





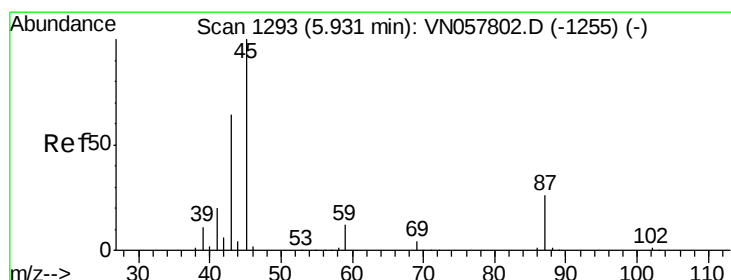
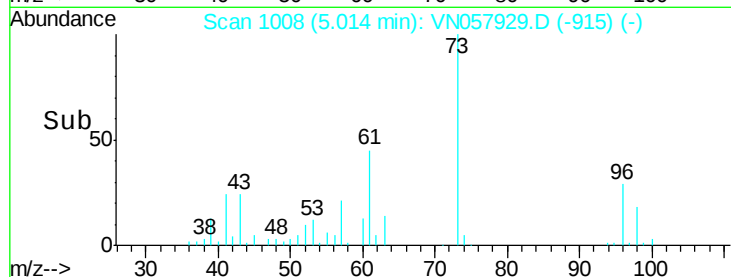
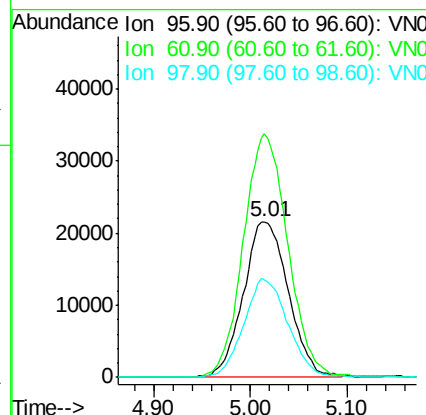
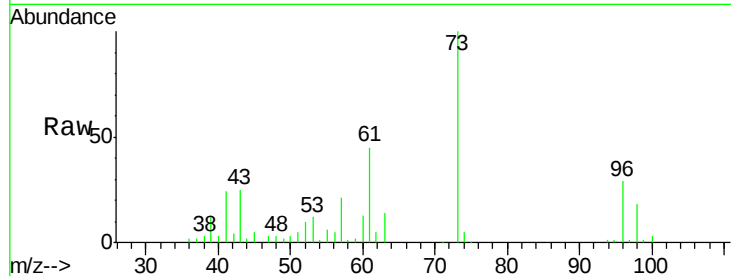
#21
trans-1,2-Dichloroethene
Concen: 18.644 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.2	121.9	182.9
98	62.7	52.2	78.4

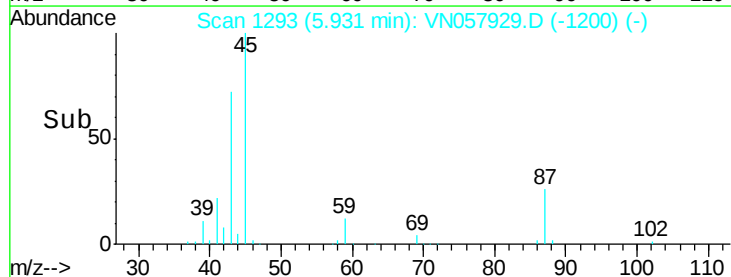
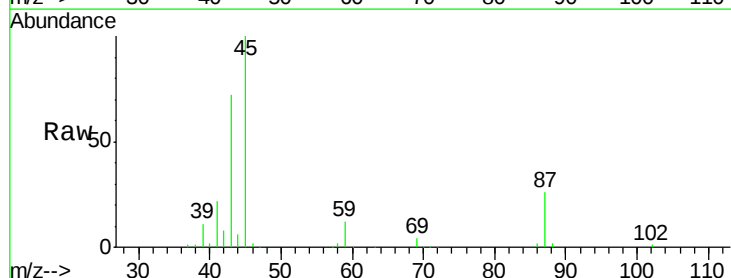
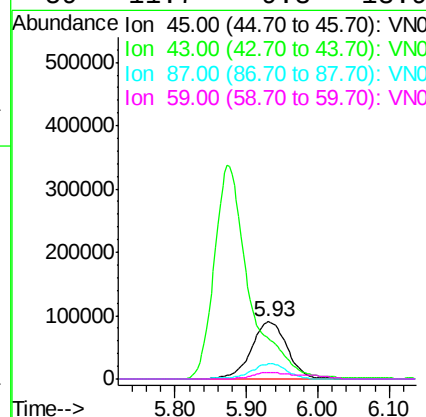
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#22
Diisopropyl ether
Concen: 19.998 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.4	51.4	77.2
87	26.2	21.3	31.9
59	11.7	9.3	13.9





#23

Vinyl Acetate

Concen: 102.112 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 43 Resp: 1148314

Ion Ratio Lower Upper

43 100

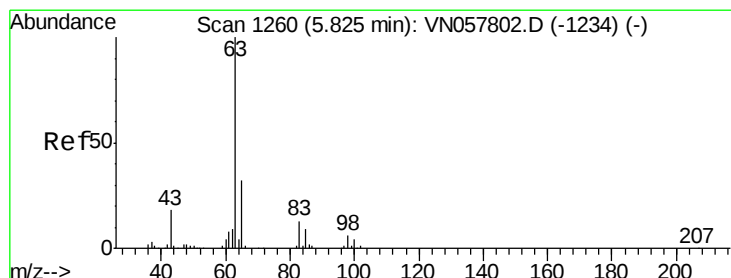
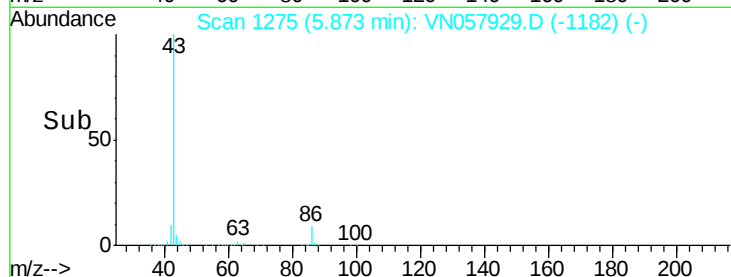
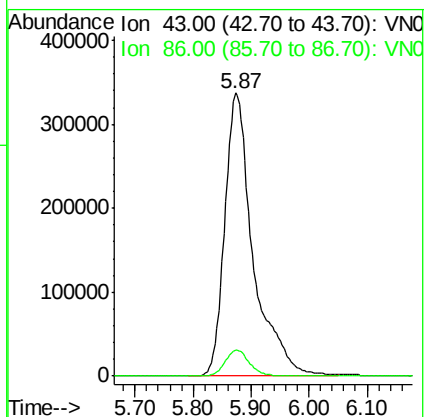
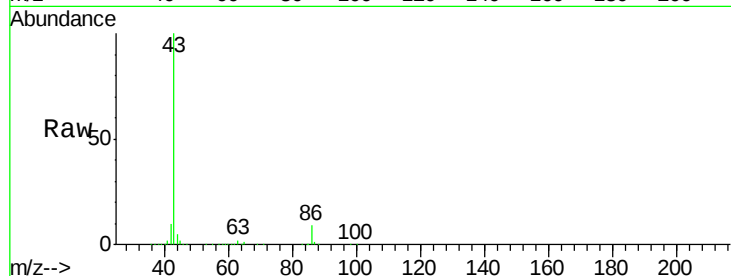
86 9.1 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.351 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

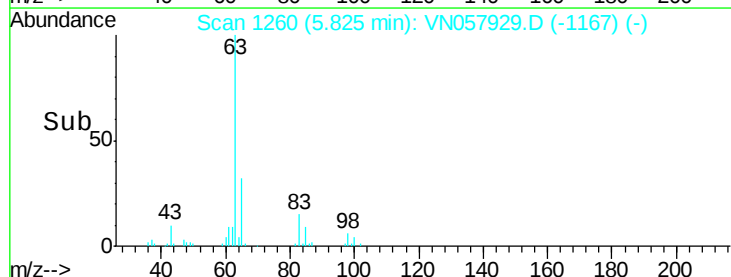
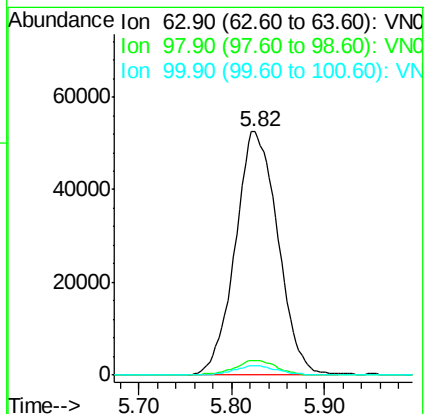
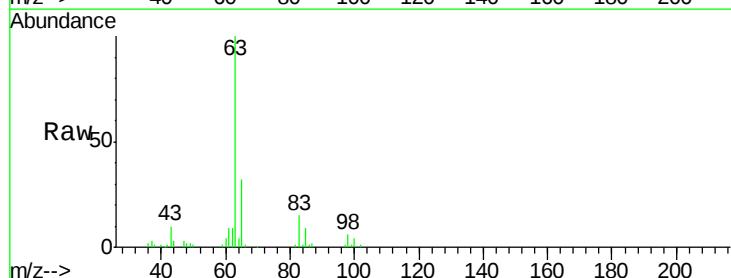
Tgt Ion: 63 Resp: 167818

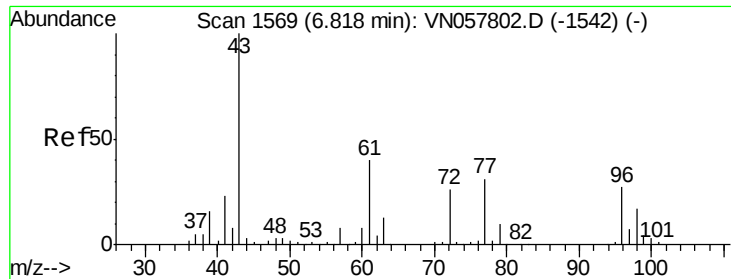
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.2

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 96.060 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 43 Resp: 299750

Ion Ratio Lower Upper

43 100

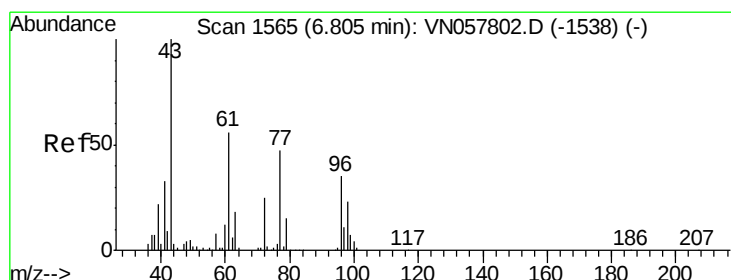
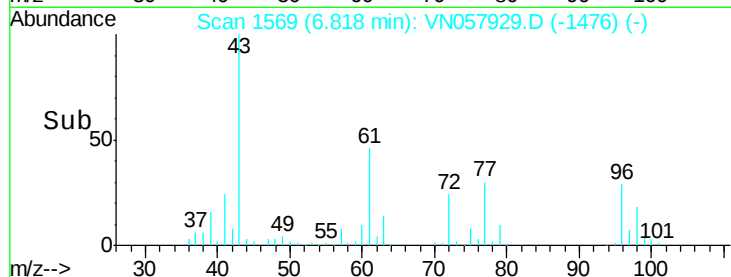
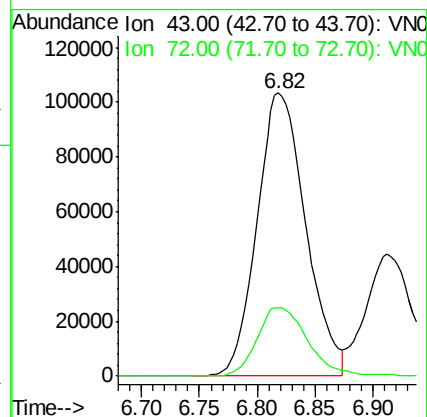
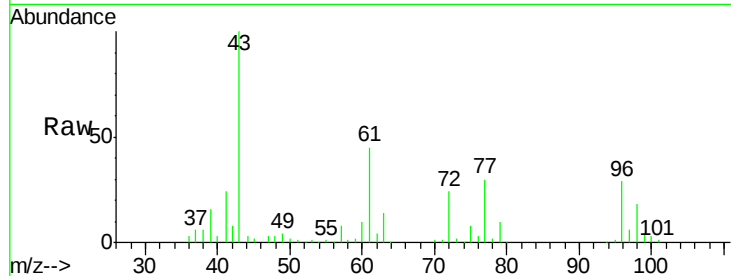
72 24.3 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 17.777 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057929.D

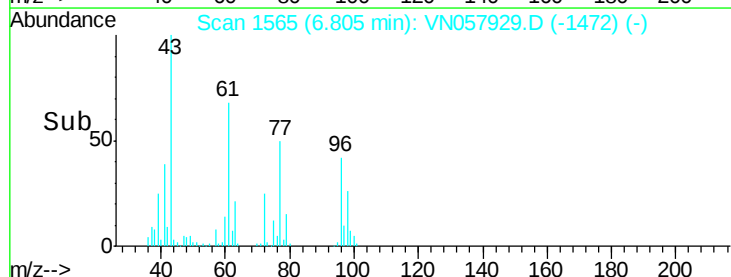
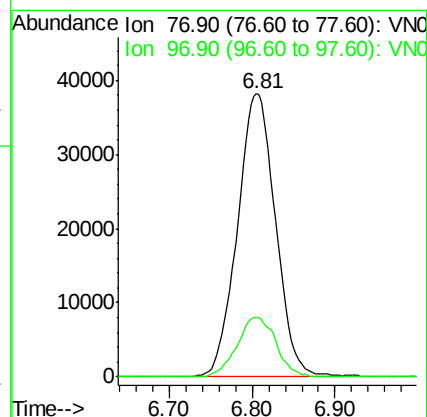
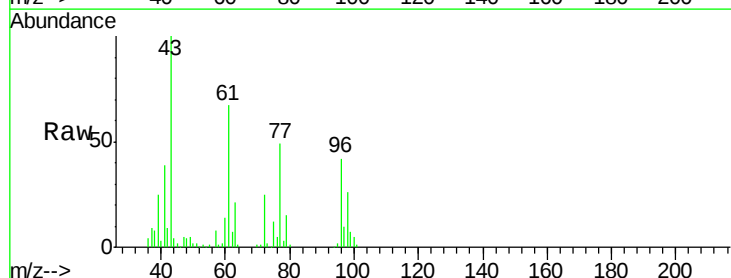
Acq: 11 Sep 2019 17:35

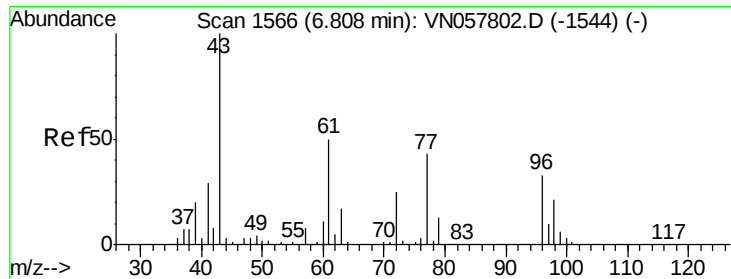
Tgt Ion: 77 Resp: 122007

Ion Ratio Lower Upper

77 100

97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 19.103 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

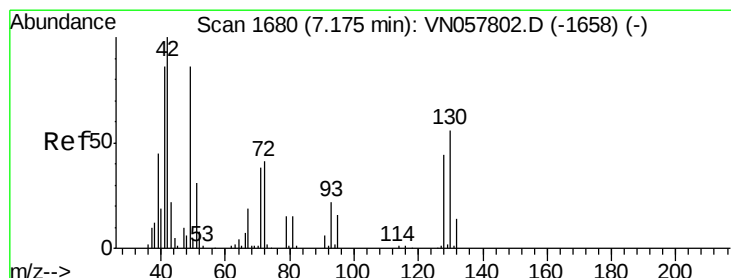
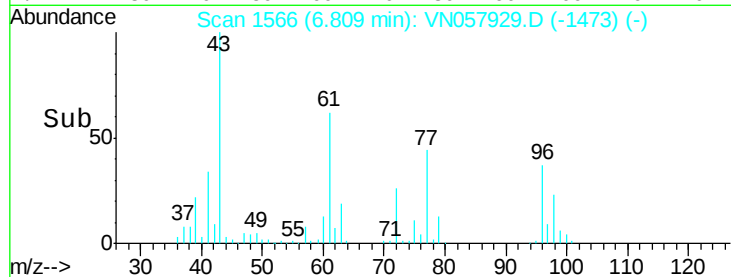
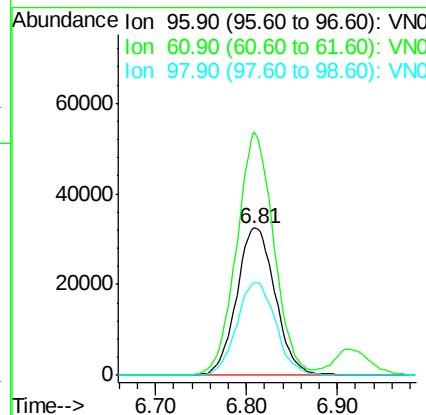
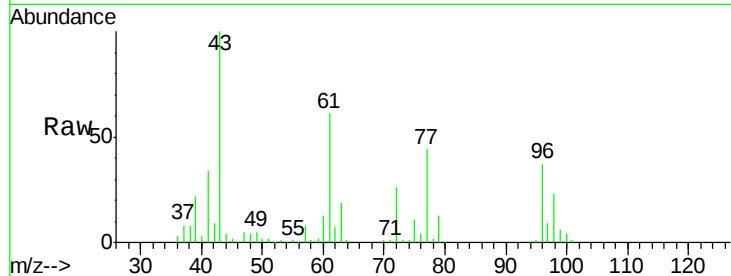
ClientSampleId :

VN0912MBS01

Tot Ion:	96	Resp:	95686
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	314.0
98	63.5	0.0	128.6

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#28

Bromochloromethane

Concen: 19.889 ug/l

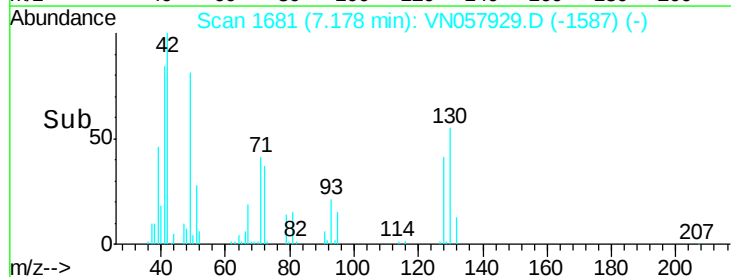
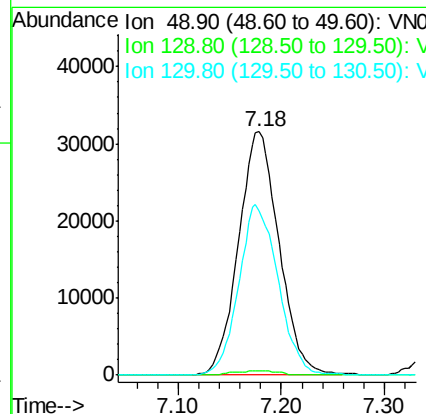
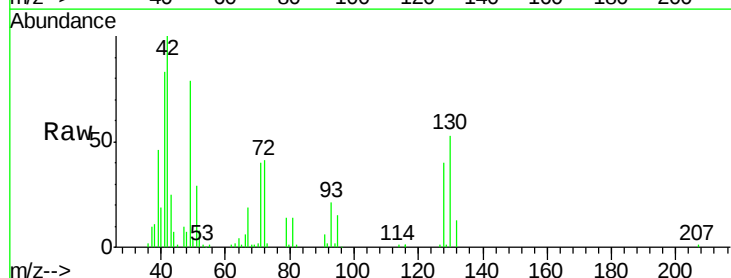
RT: 7.18 min Scan# 1681

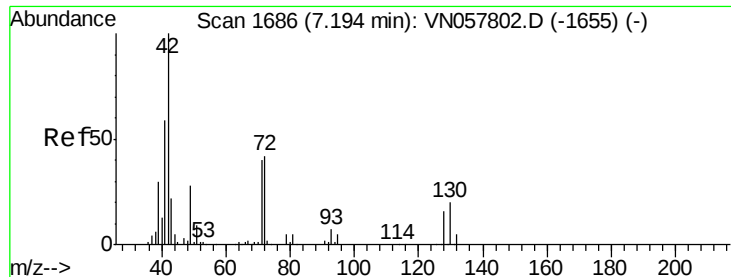
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	49	Resp:	86170
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	3.8
130	67.9	53.0	79.6





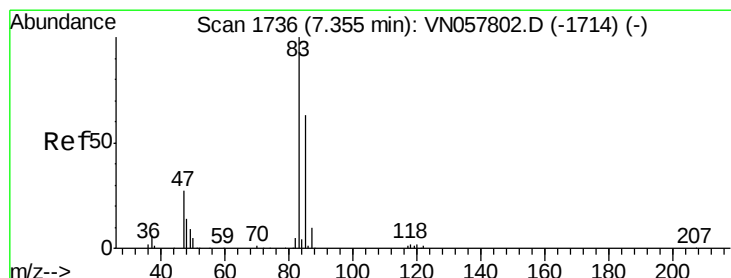
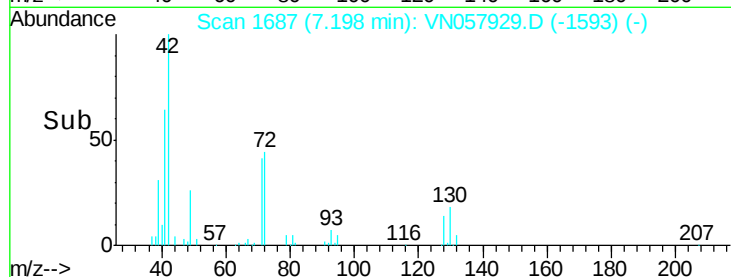
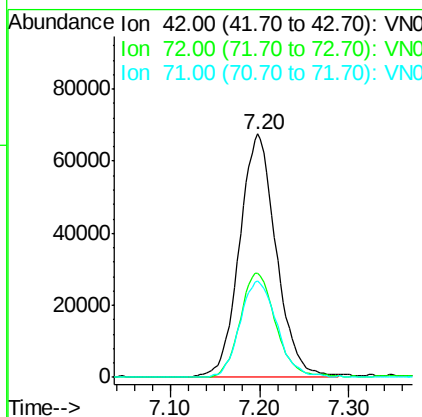
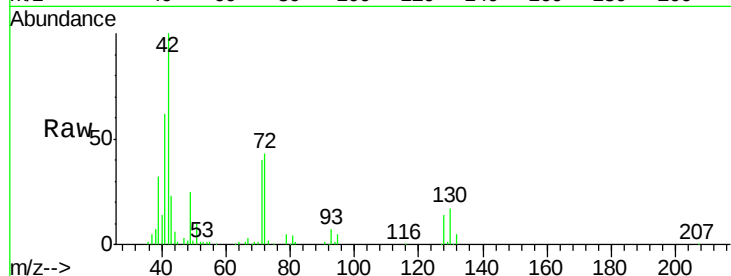
#29
Tetrahydrofuran
Concen: 99.866 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	40.4	31.9	47.9

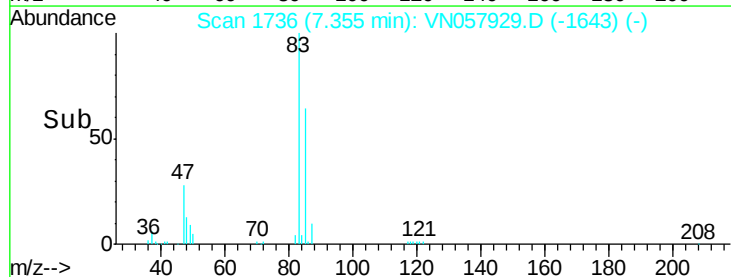
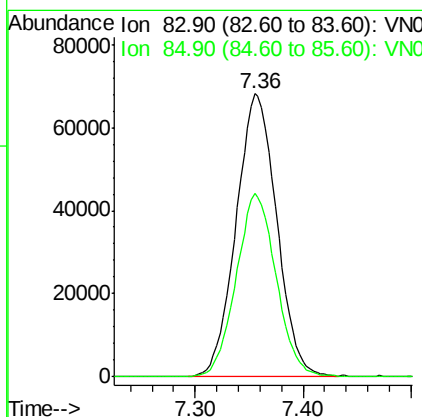
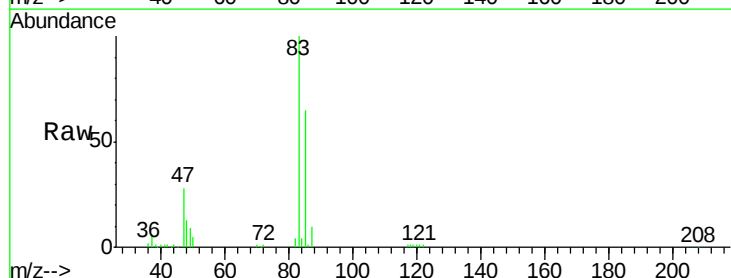
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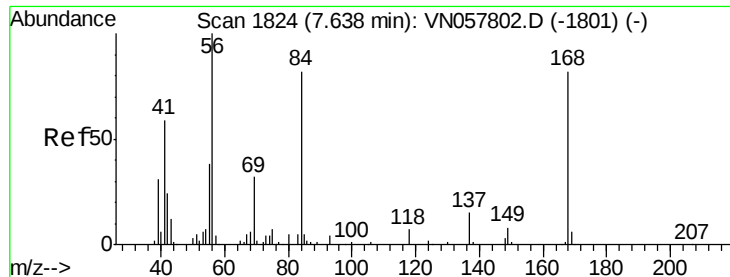
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#30
Chloroform
Concen: 19.663 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8





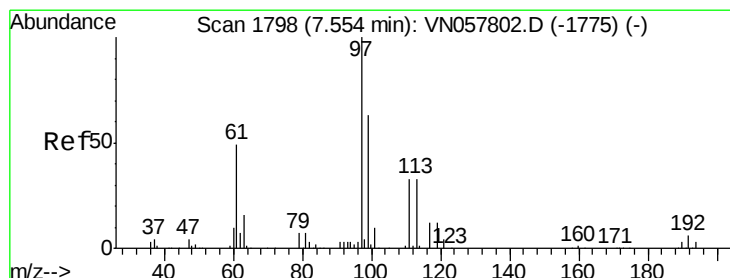
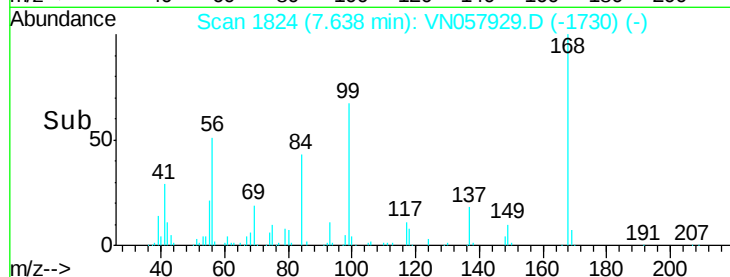
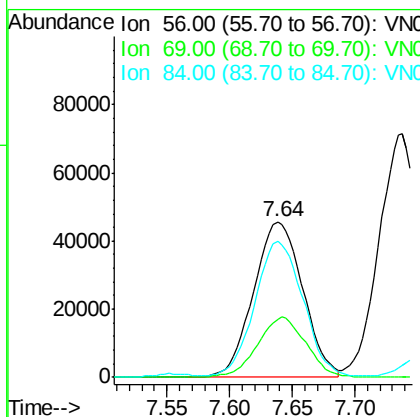
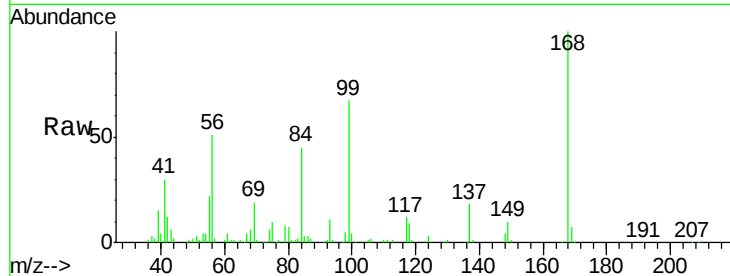
#31
Cyclohexane
Concen: 19.755 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.9	38.9
84	85.5	65.6	98.4

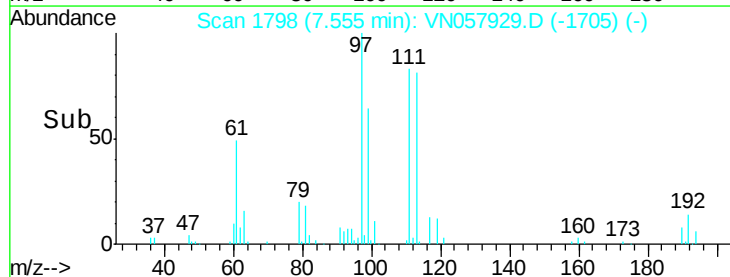
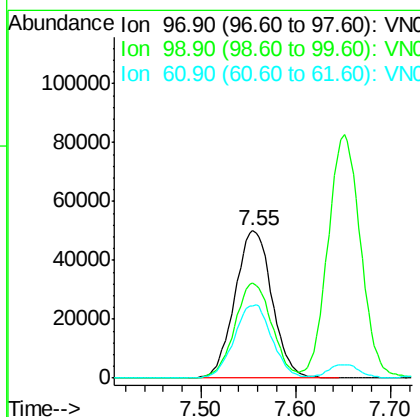
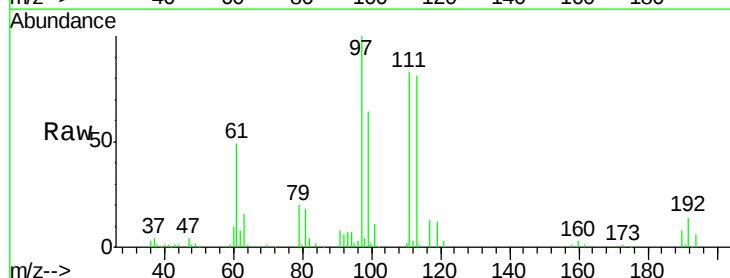
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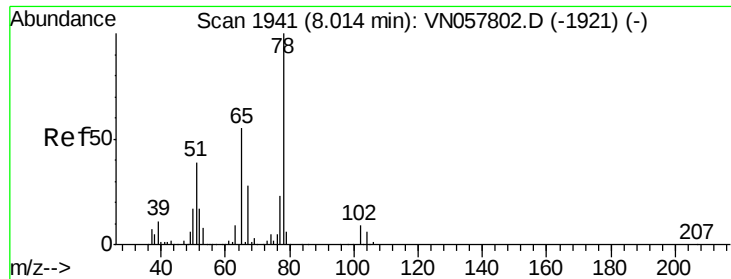
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#32
1,1,1-Trichloroethane
Concen: 19.028 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.0	76.4
61	50.3	39.0	58.6





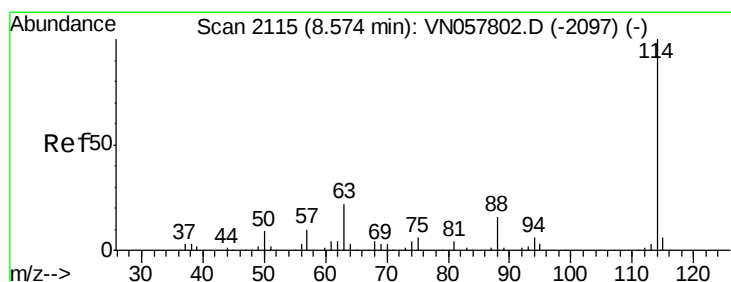
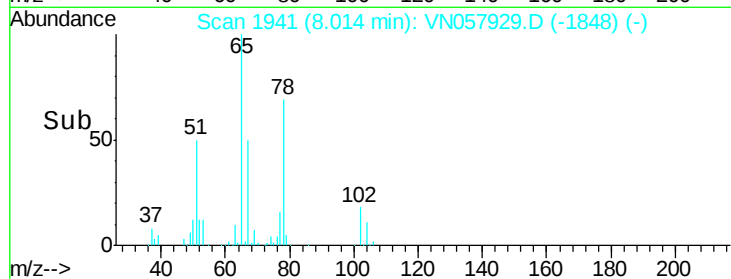
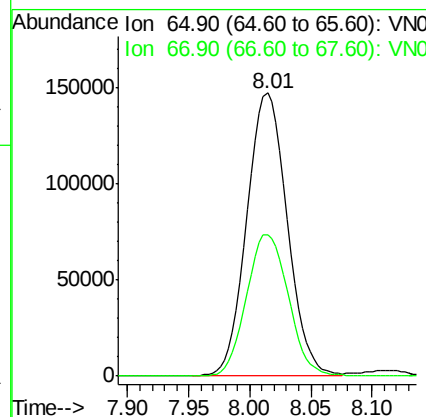
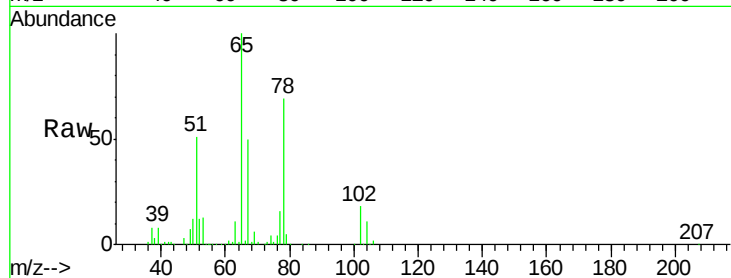
#33
 1,2-Dichloroethane-d4
 Concen: 51.370 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.0	0.0	104.0	

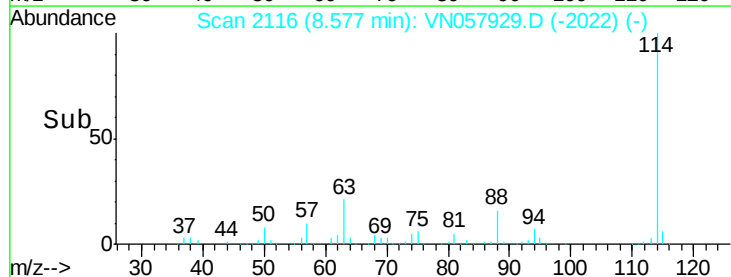
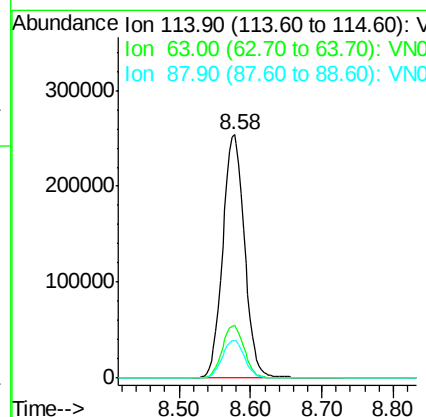
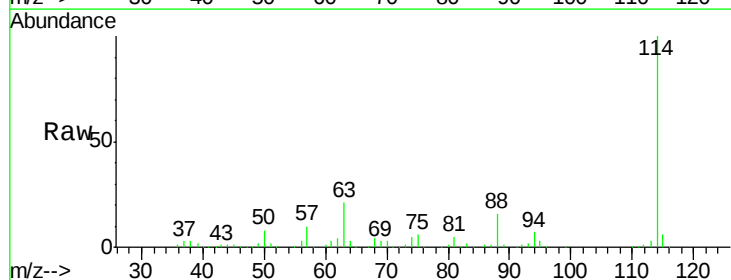
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	44.0	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 48.043 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

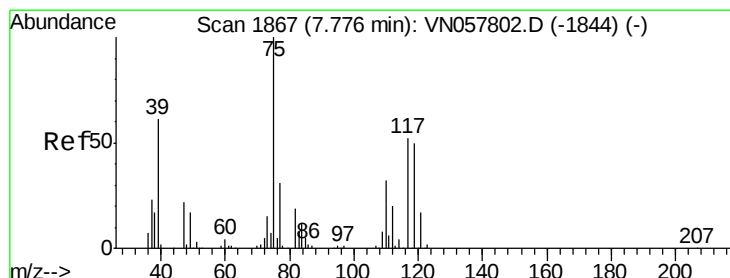
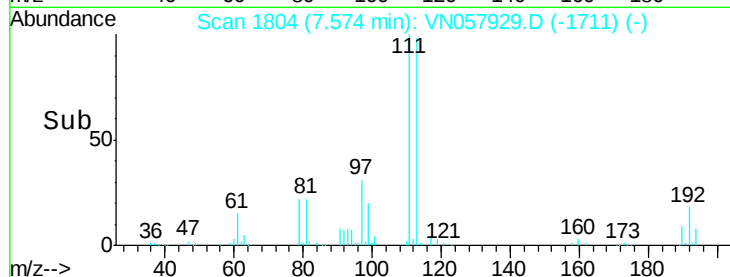
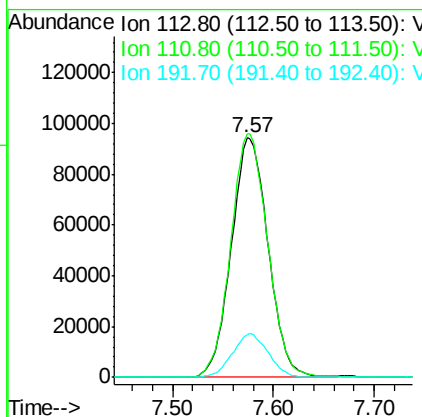
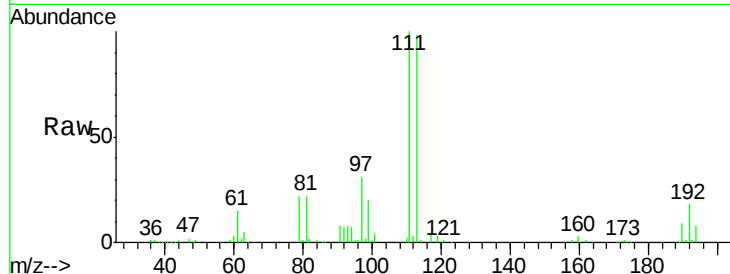
ClientSampleId :

VN0912MBS01

Tot Ion:	113	Resp:	238966
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.3	121.9
192	17.8	14.6	22.0

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#36

1,1-Dichloropropene

Concen: 18.315 ug/l

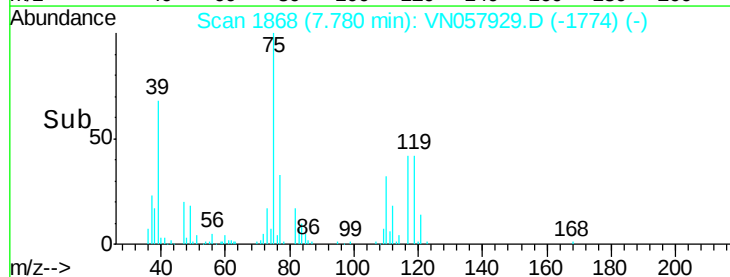
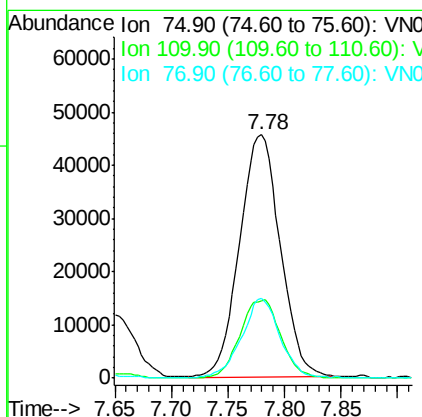
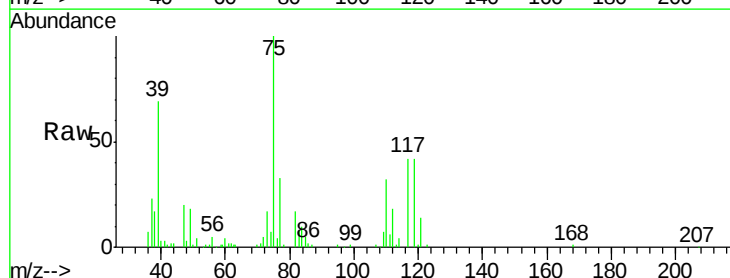
RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	75	Resp:	114470
Ion Ratio	Lower	Upper	
75	100		
110	32.2	16.3	48.9
77	31.1	25.0	37.4





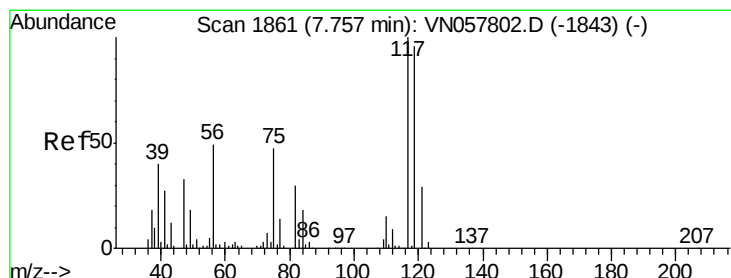
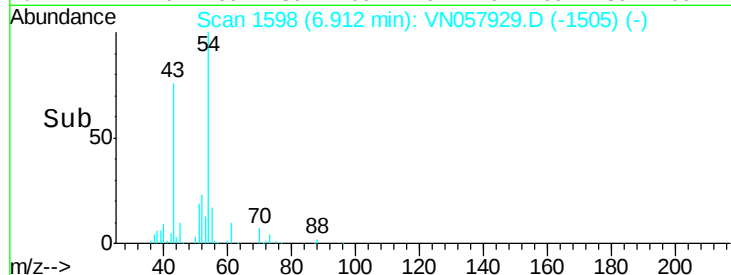
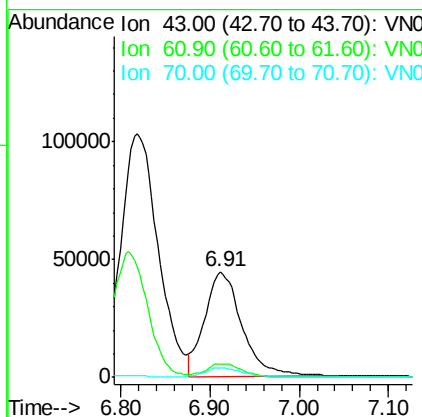
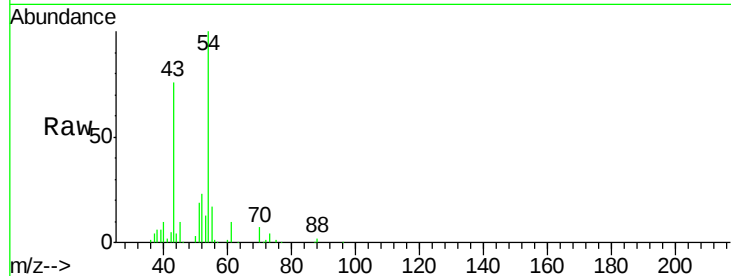
#37
Ethyl Acetate
Concen: 19.873 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.0	10.5	15.7	
70	9.3	7.4	11.0	

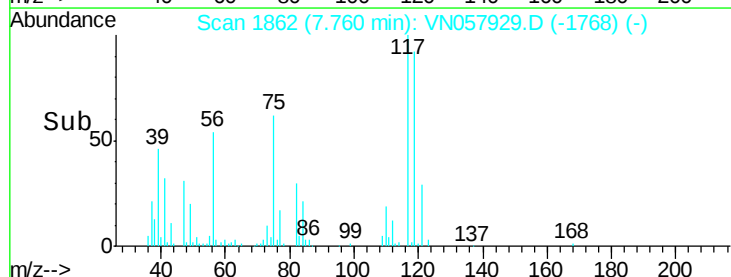
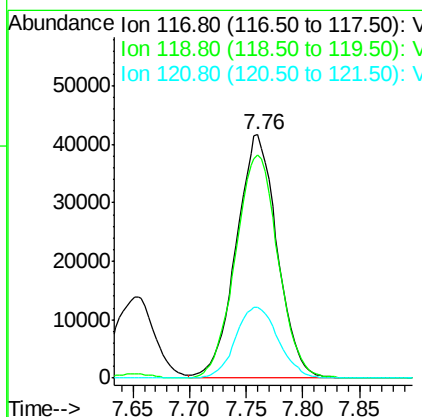
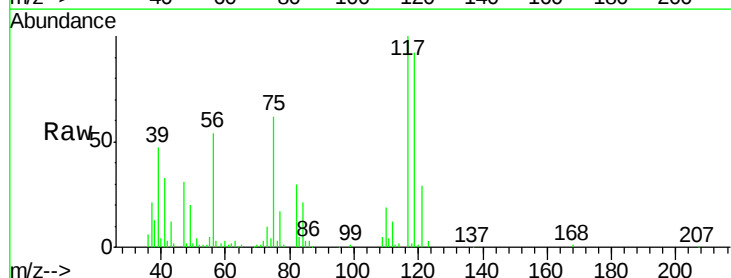
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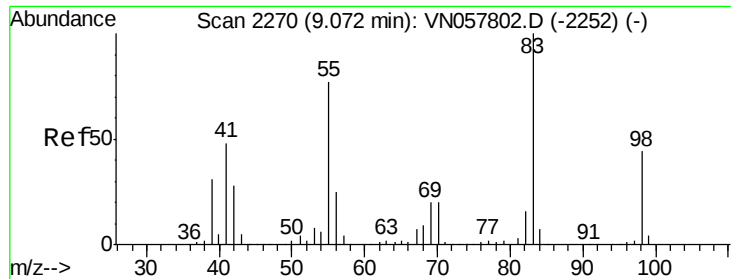
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#38
Carbon Tetrachloride
Concen: 18.368 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	91.5	76.9	115.3	
121	29.1	23.4	35.2	





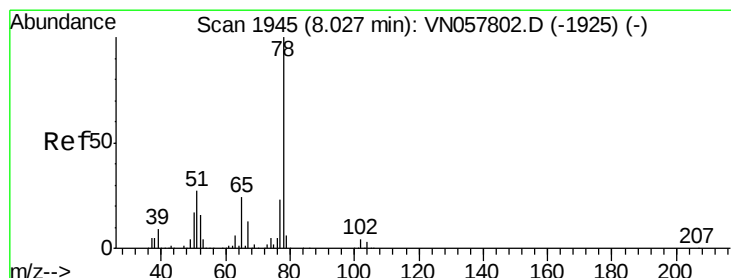
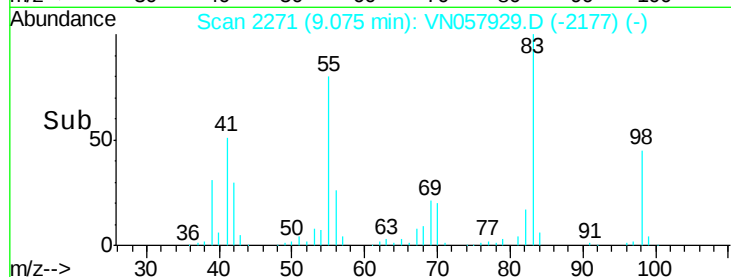
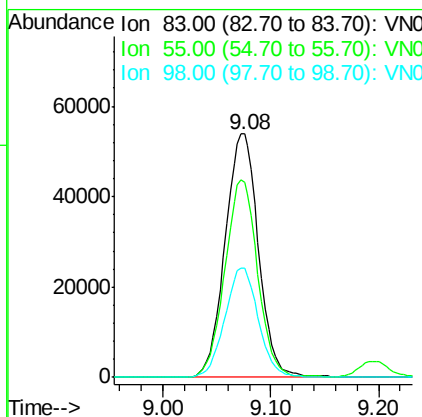
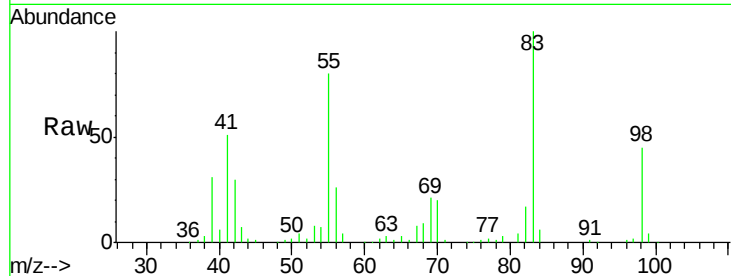
#39
Methvlcvclohexane
Concen: 17.653 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.1	61.6	92.4	
98	44.7	34.9	52.3	

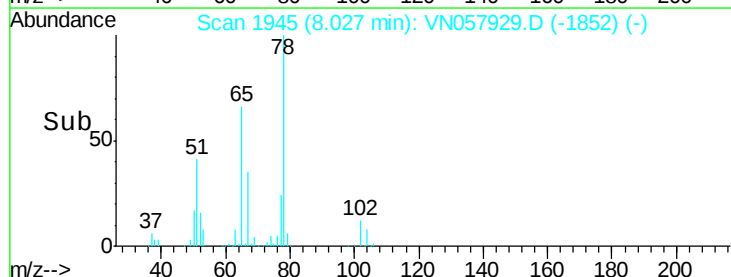
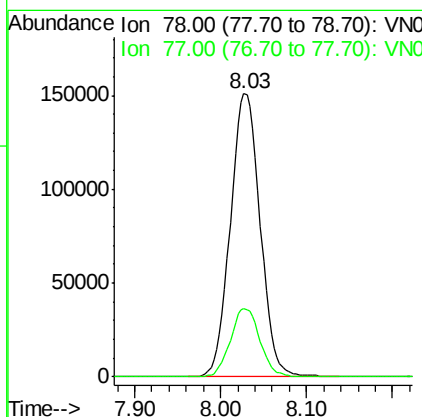
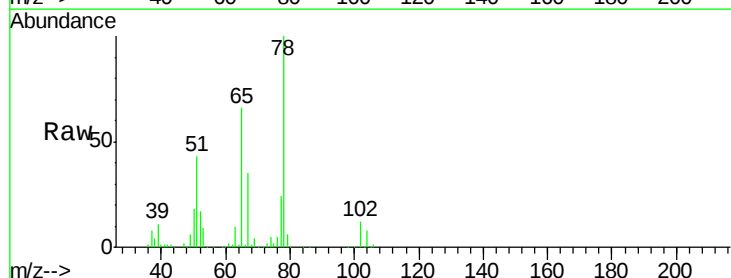
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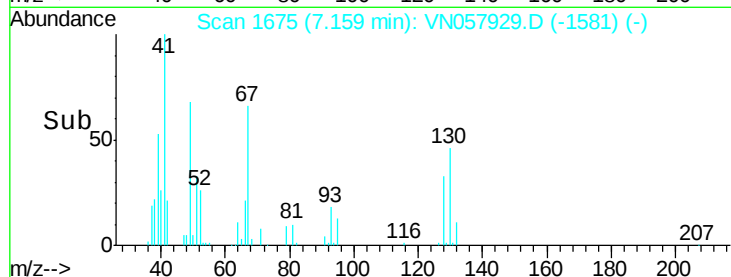
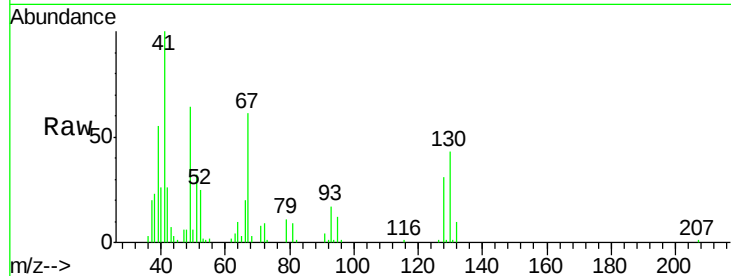
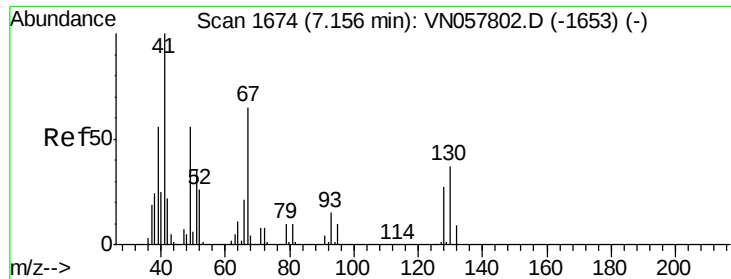
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#40
Benzene
Concen: 19.294 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	18.3	27.5	





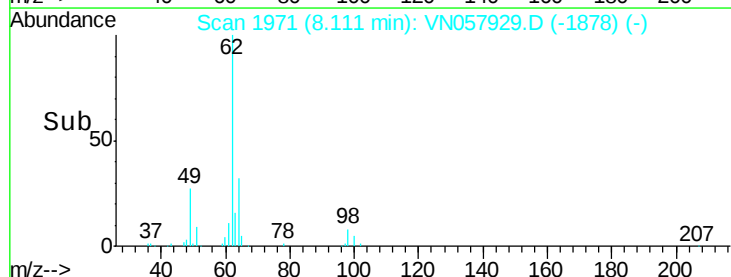
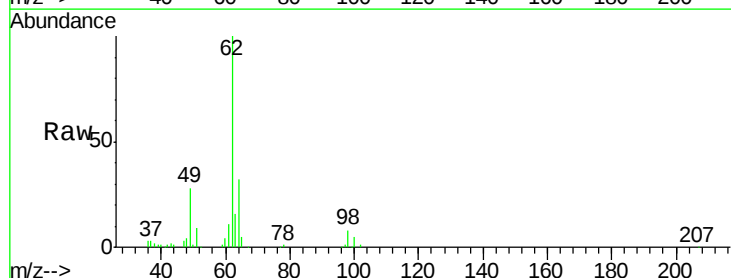
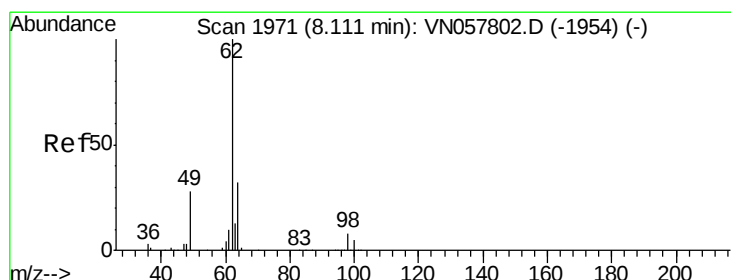
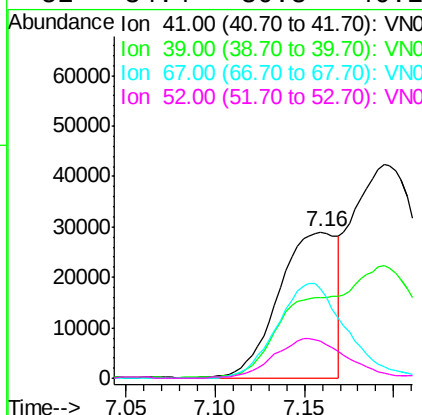
#41
Methacrylonitrile
Concen: 22.507 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tot Ion	41	39	67	52
Resp	65974			
Ratio	100	0.0	77.5	34.4
Lower		51.0	70.7	30.8
Upper		76.6	106.1	46.2

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

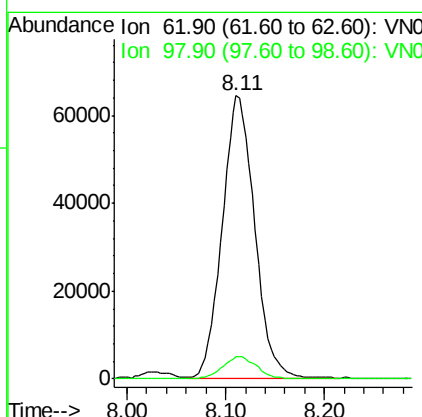
Manual Integrations
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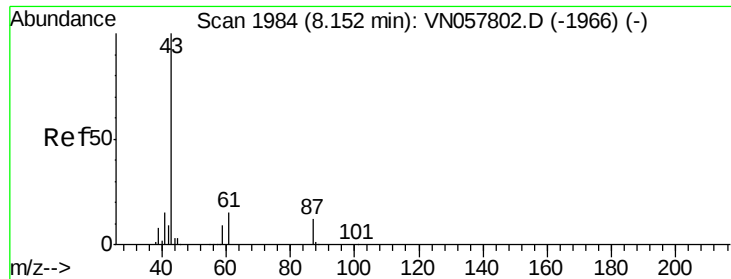
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.634 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	62	98
Resp	147753	
Ratio	100	8.2
Lower		0.0
Upper		15.8





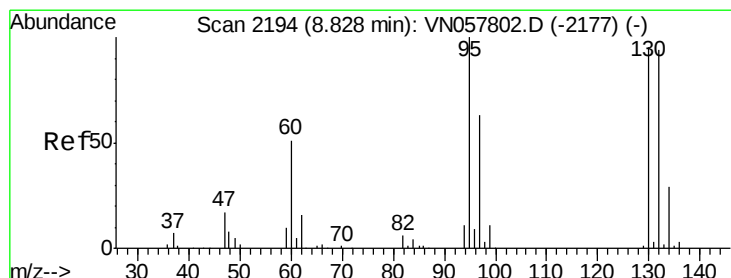
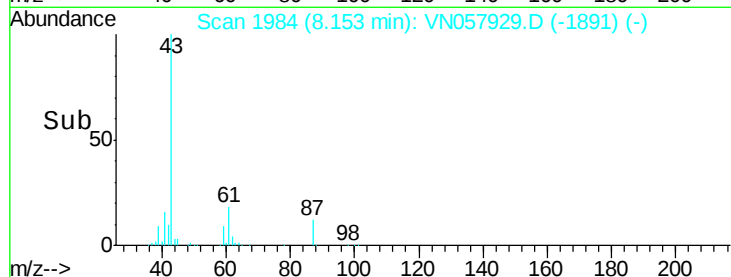
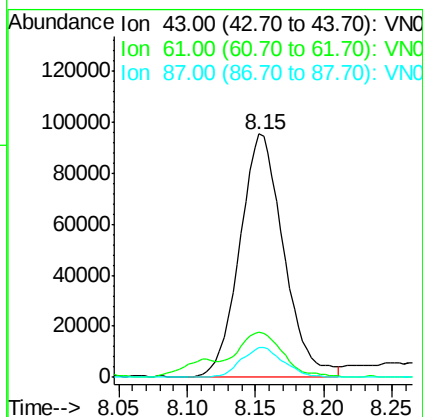
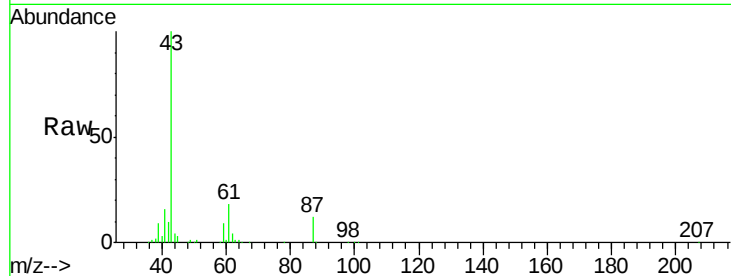
#43
Isopropyl Acetate
Concen: 19.482 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	20.1	30.1#
87	12.0	9.5	14.3

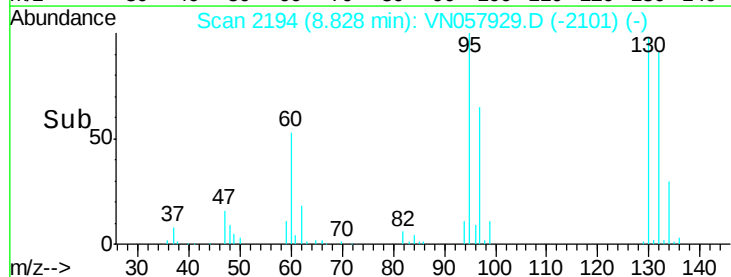
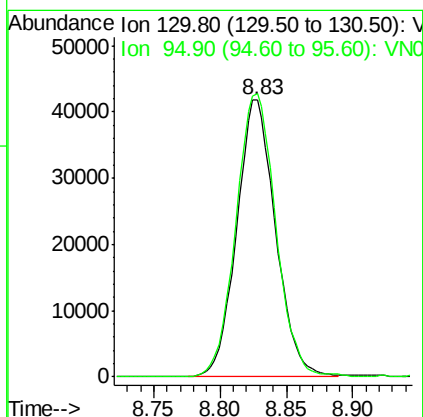
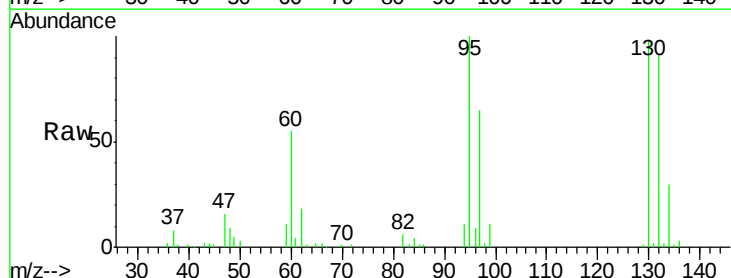
Manual Integrations
APPROVED

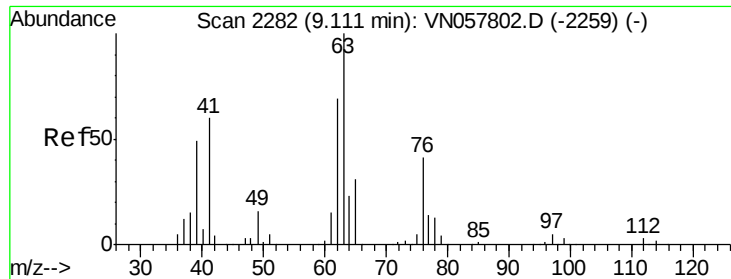
MMDadoda
9/13/2019 11:07:25 AM



#44
Trichloroethene
Concen: 18.425 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	211.4





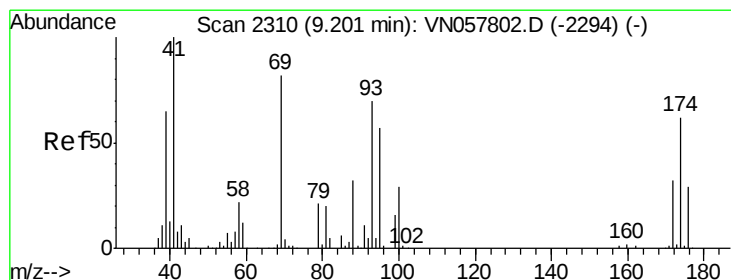
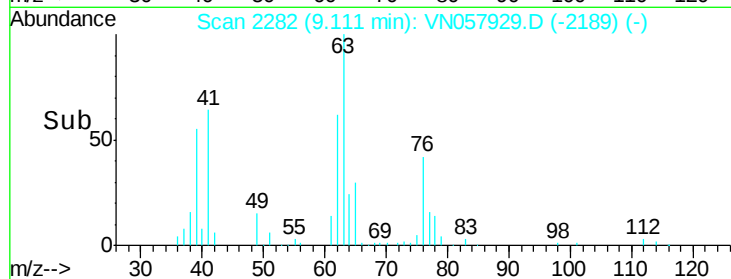
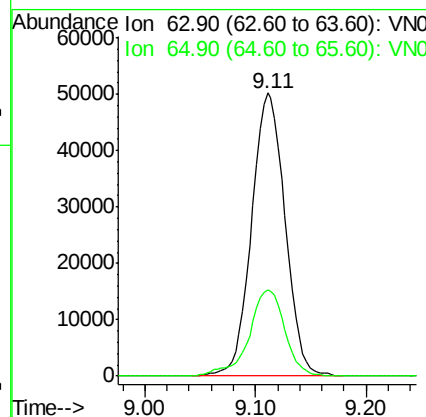
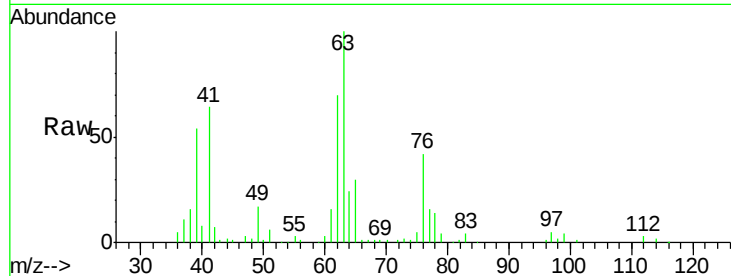
#45
 1,2-Dichloropropane
 Concen: 19.278 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampled :
 VN0912MBS01

Tot Ion	63	Resp	105557
Ion Ratio	Lower	Upper	
63	100		
65	30.3	24.8	37.2

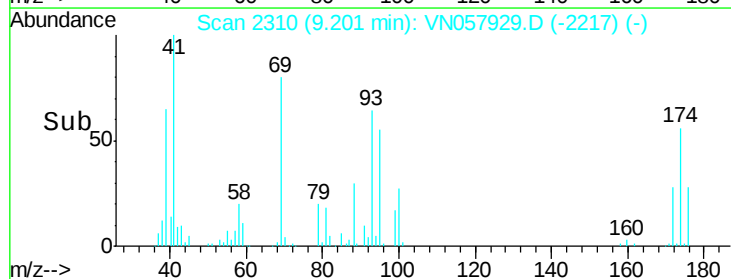
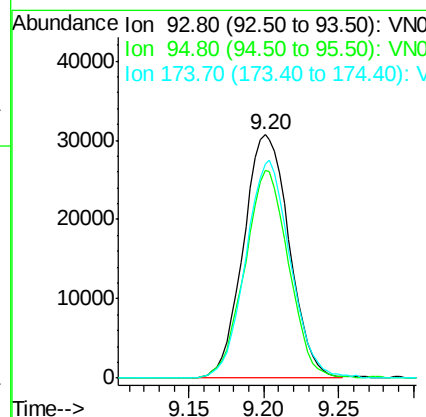
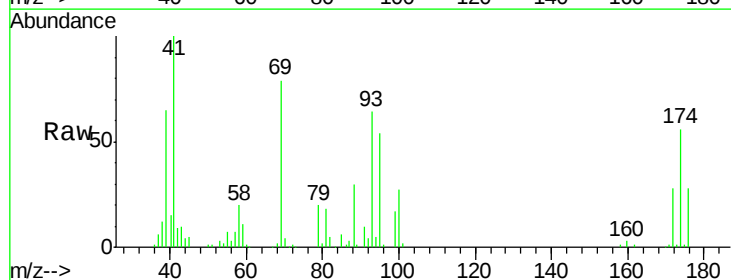
Manual Integrations
 APPROVED

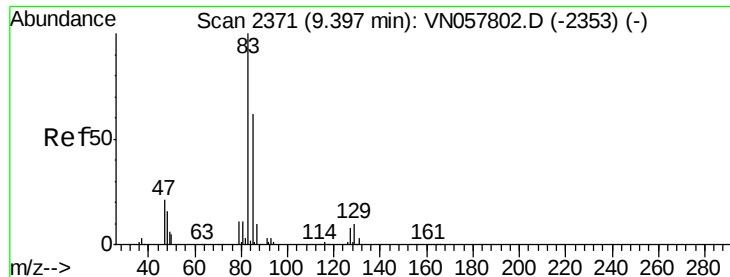
MMDadoda
 9/13/2019 11:07:25 AM



#46
 Dibromomethane
 Concen: 19.744 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	93	Resp	65328
Ion Ratio	Lower	Upper	
93	100		
95	81.8	65.9	98.9
174	87.1	71.8	107.6





#47

Bromodichloromethane

Concen: 18.574 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

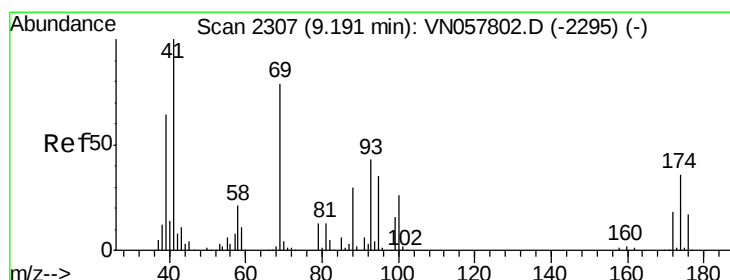
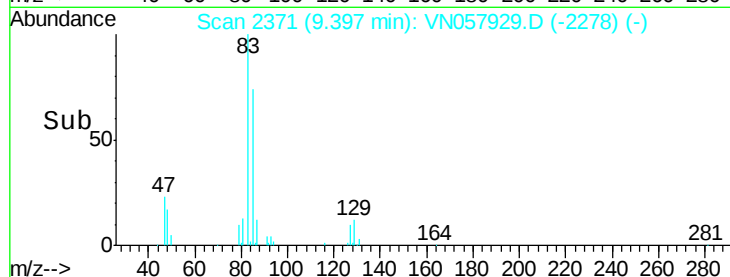
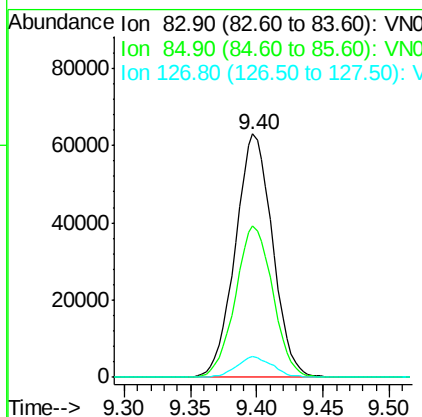
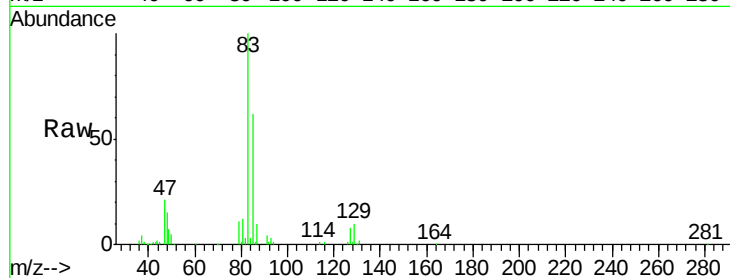
ClientSampleId :

VN0912MBS01

Tot Ion:	83	Resp:	122720
Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.9	74.9
127	8.4	6.5	9.7

Manual Integrations
APPROVED

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#48

Methyl methacrylate

Concen: 18.926 ug/l

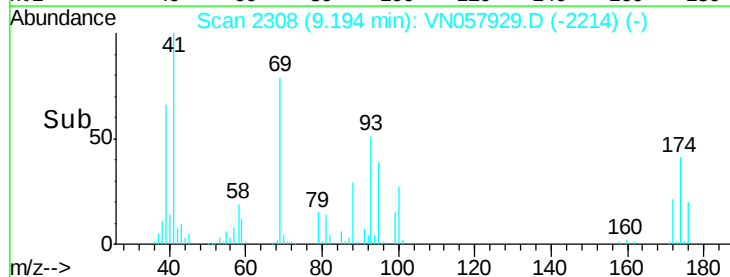
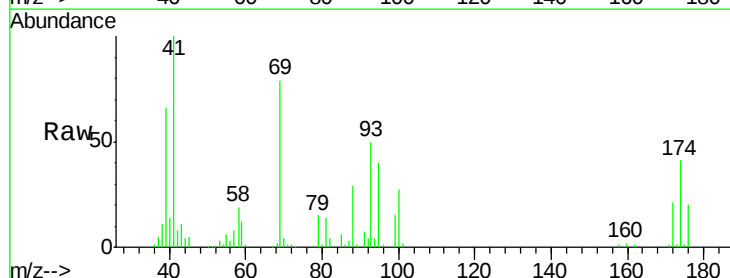
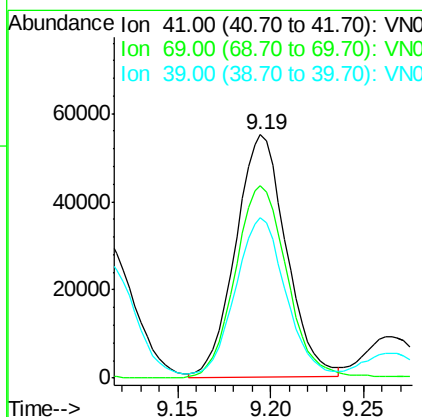
RT: 9.19 min Scan# 2308

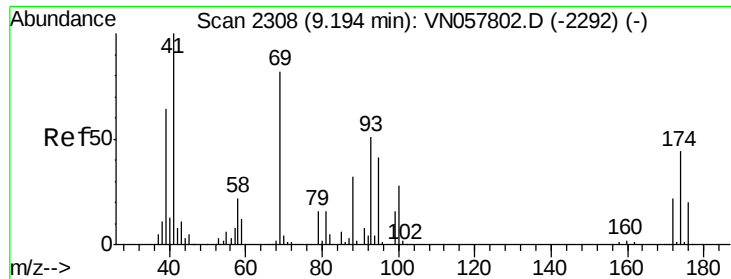
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	41	Resp:	104254
Ion	Ratio	Lower	Upper
41	100		
69	81.6	62.7	94.1
39	65.6	52.7	79.1





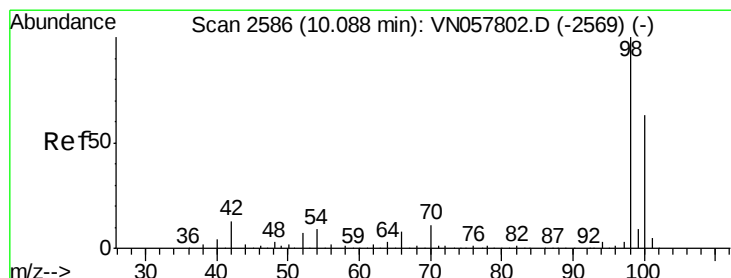
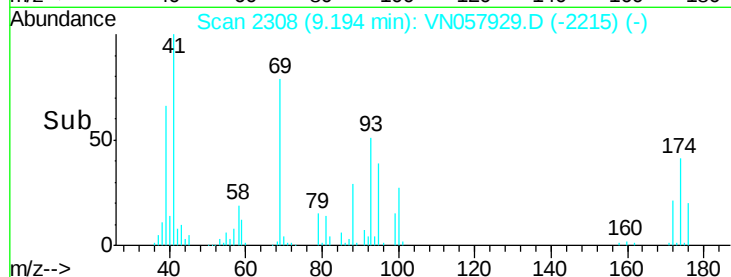
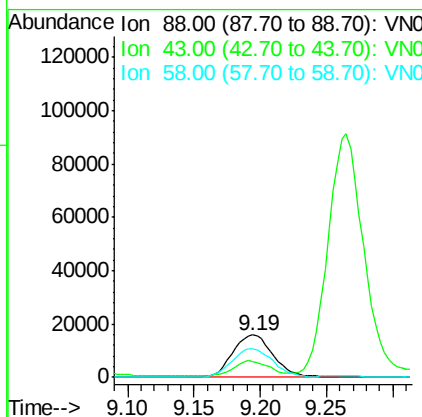
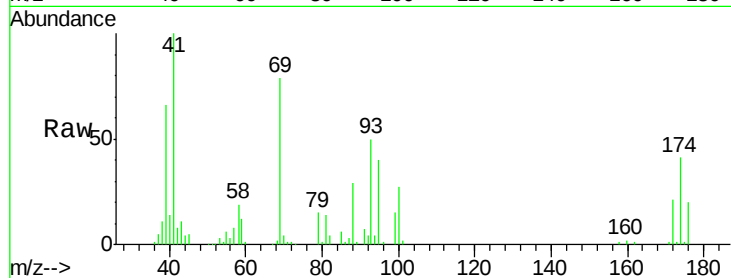
#49
 1,4-Dioxane
 Concen: 363.103 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	28.5	42.7
58	67.8	55.8	83.6

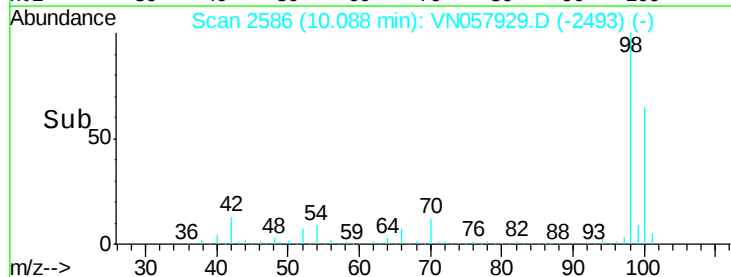
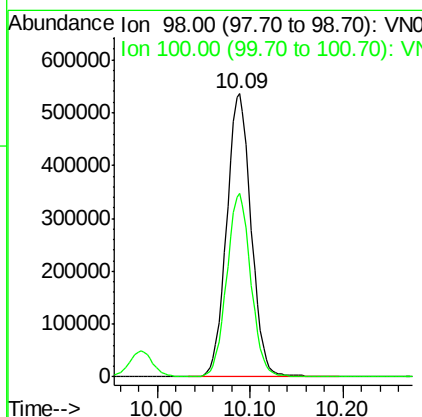
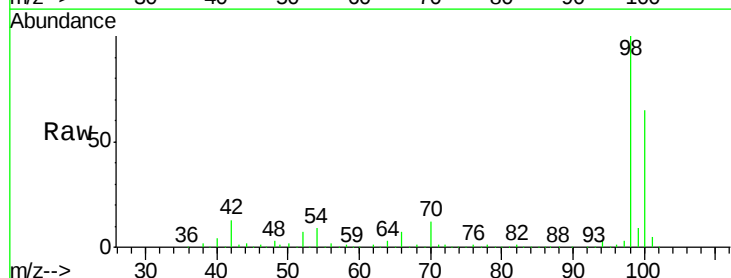
Manual Integrations
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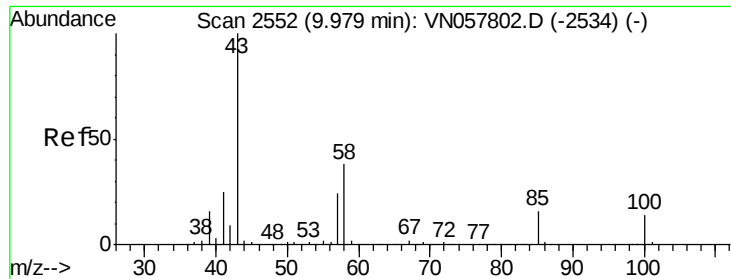
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#50
 Toluene-d8
 Concen: 50.793 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 105.166 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 43 Resp: 675823

Ion Ratio Lower Upper

43 100

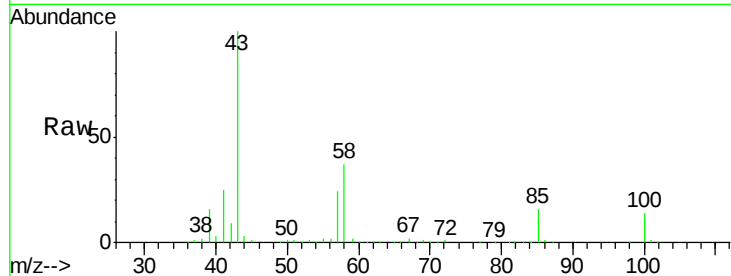
58 36.5 29.8 44.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

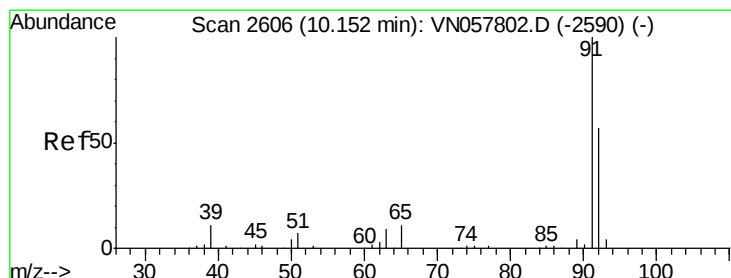
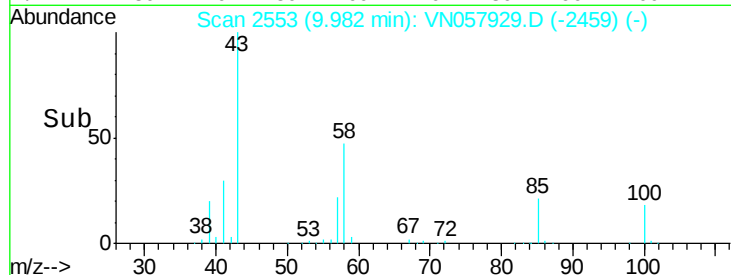
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.005 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057929.D

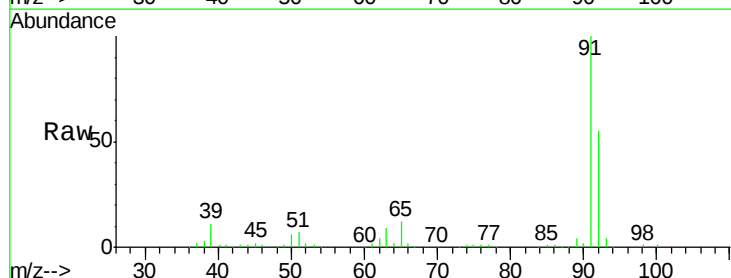
Acq: 11 Sep 2019 17:35

Tgt Ion: 92 Resp: 225244

Ion Ratio Lower Upper

92 100

91 176.5 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

250000

200000

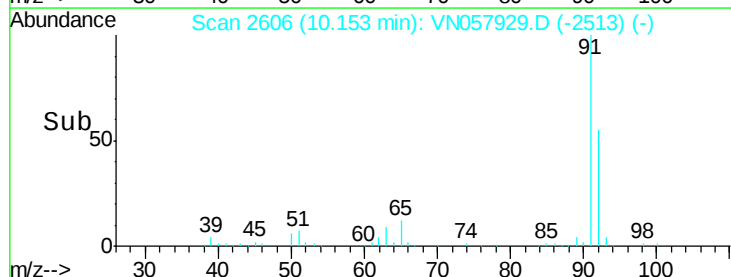
150000

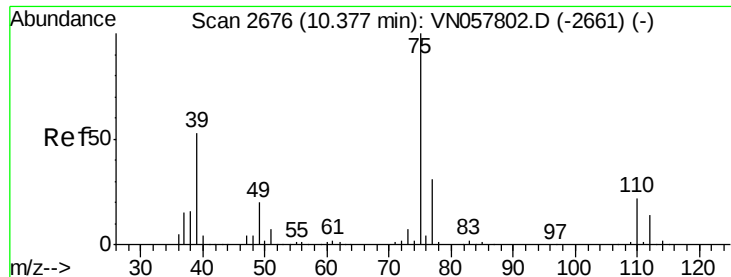
100000

50000

0

Time-->





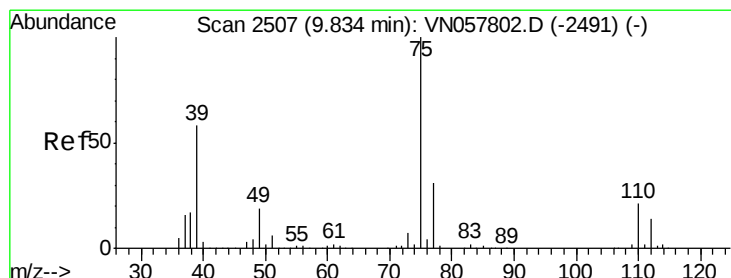
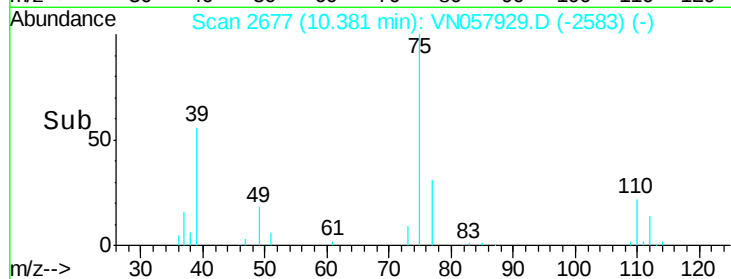
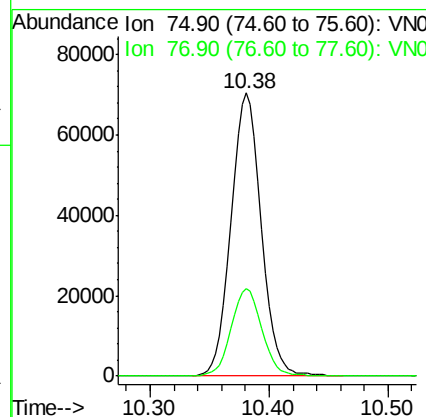
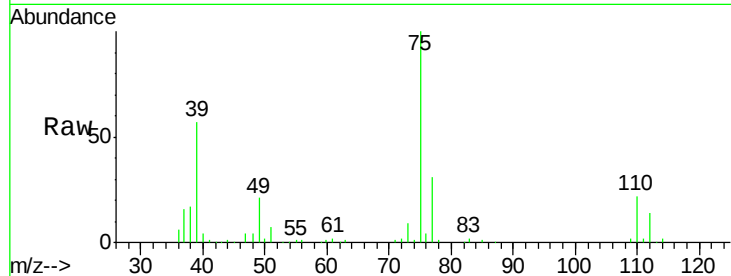
#53
 t-1,3-Dichloropropene
 Concen: 17.796 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion: 75 Resp: 123819
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.5 36.7

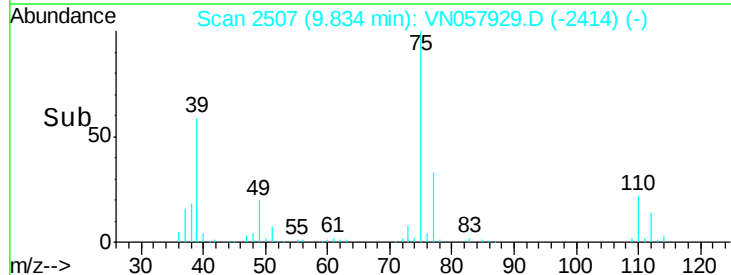
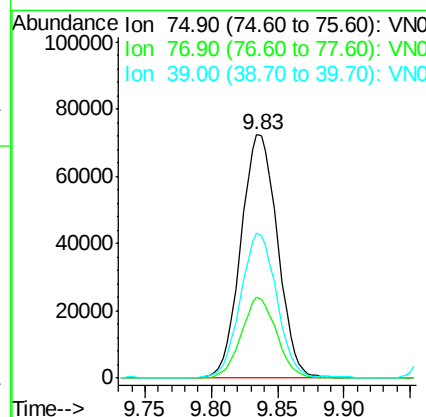
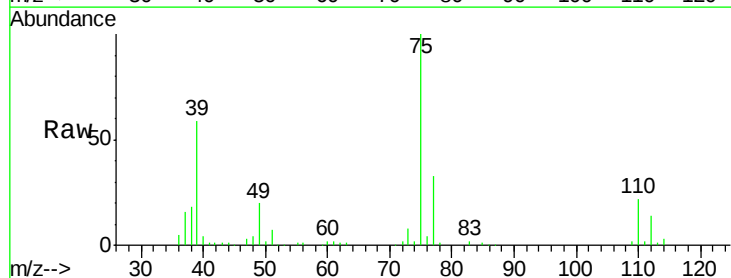
Manual Integrations
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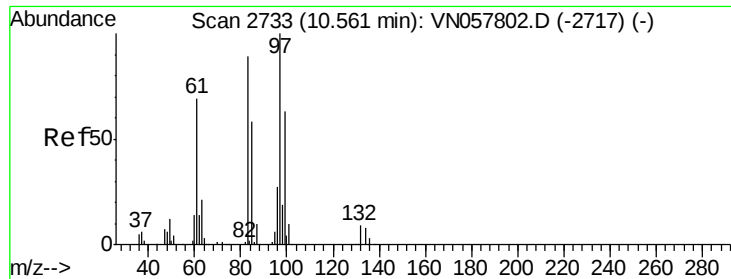
MMDadoda
 9/13/2019 11:07:25 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.128 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion: 75 Resp: 139255
 Ion Ratio Lower Upper
 75 100
 77 33.2 24.8 37.2
 39 59.2 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 19.787 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

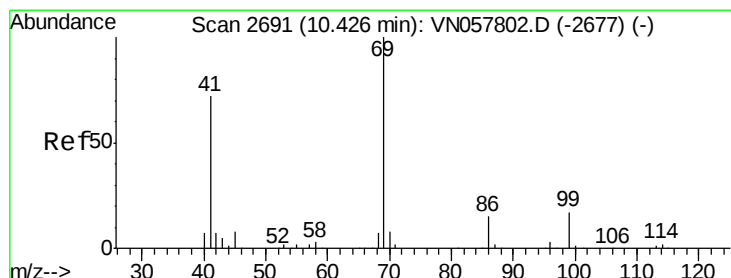
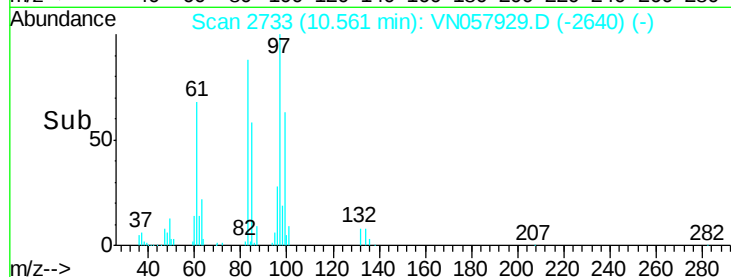
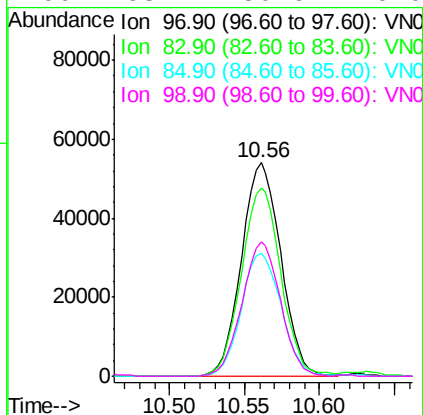
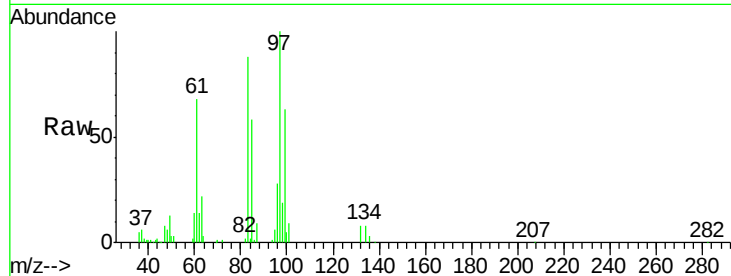
ClientSampleId :

VN0912MBS01

Tot Ion:	97	Resp:	99337
Ion	Ratio	Lower	Upper
97	100		
83	88.3	70.8	106.2
85	57.6	46.0	69.0
99	63.1	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.592 ug/l

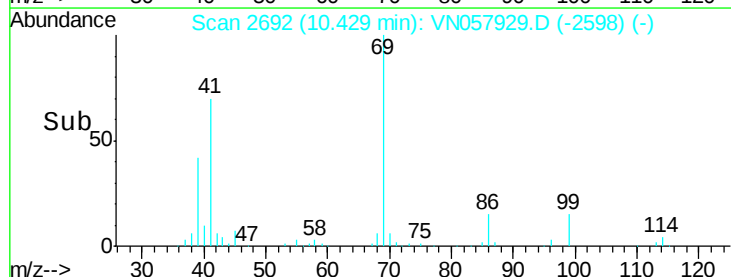
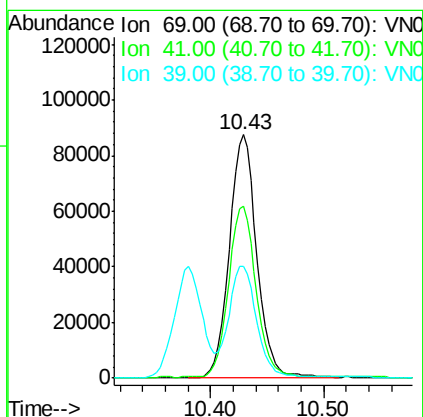
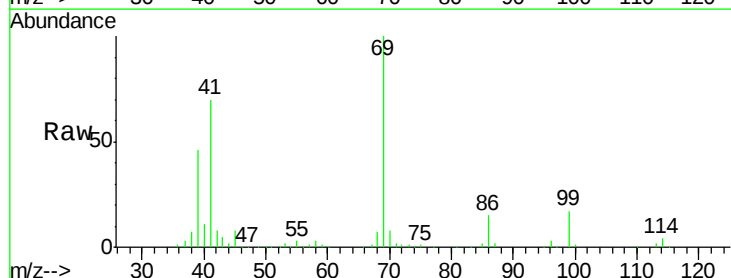
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	69	Resp:	148110
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.7	85.1
39	46.6	36.3	54.5





#57

1,3-Dichloropropane

Concen: 20.035 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 76 Resp: 173338

Ion Ratio Lower Upper

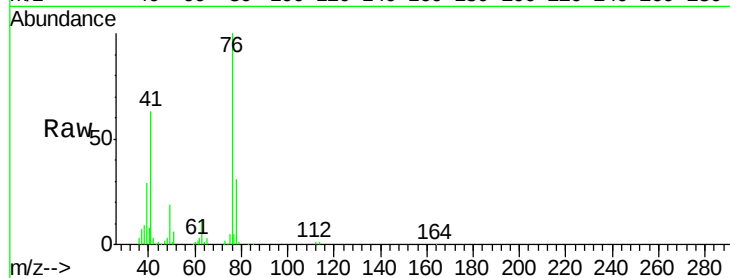
76 100

78 31.5 25.4 38.2

Manual Integrations
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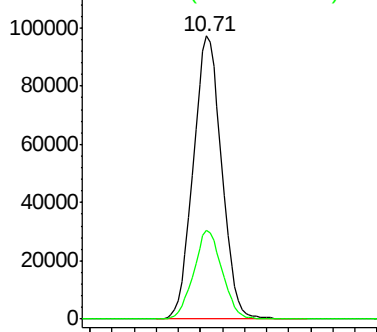
MMDadoda

9/13/2019 11:07:25 AM

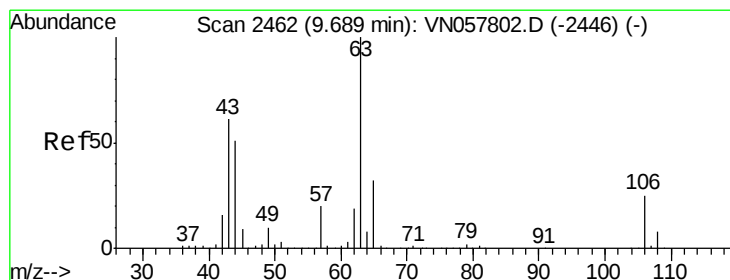
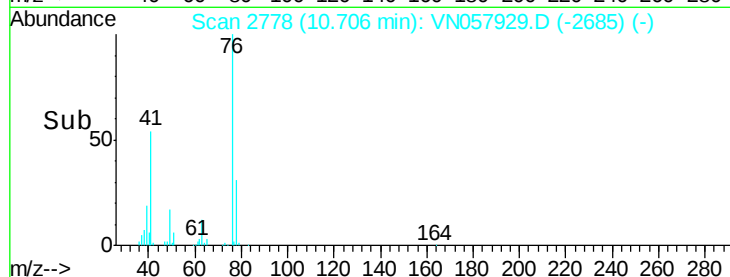


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.835 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057929.D

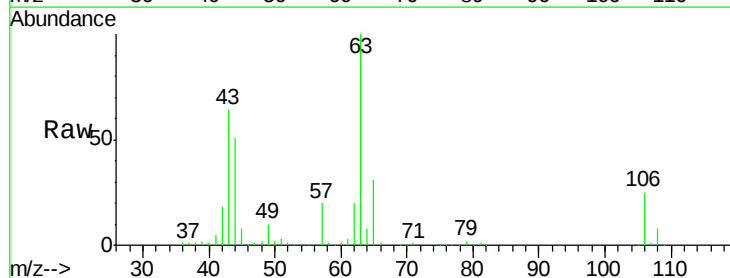
Acq: 11 Sep 2019 17:35

Tgt Ion: 63 Resp: 359039

Ion Ratio Lower Upper

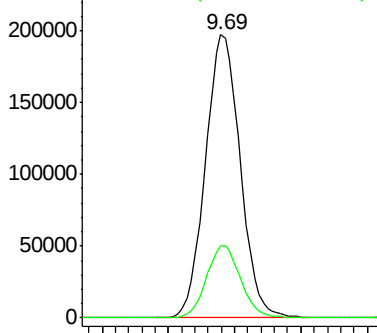
63 100

106 25.1 20.0 30.0

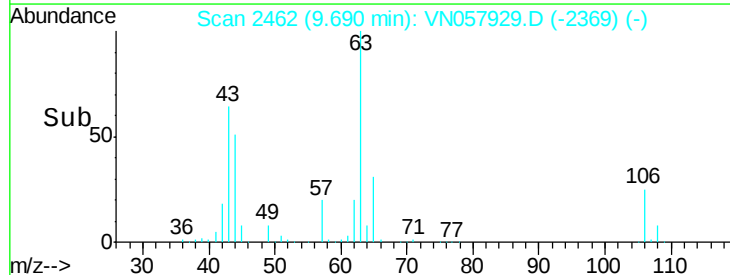


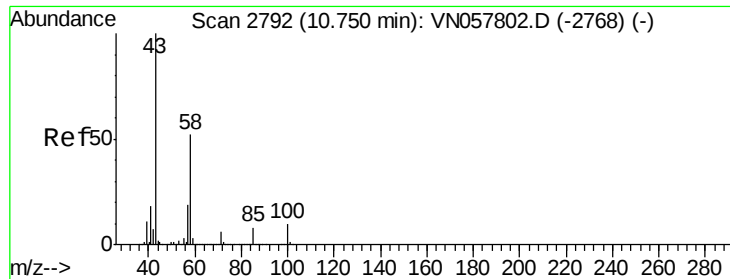
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75





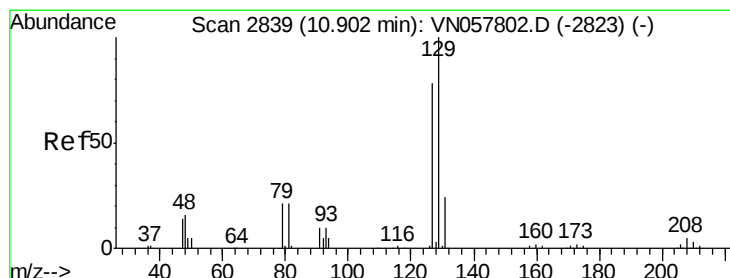
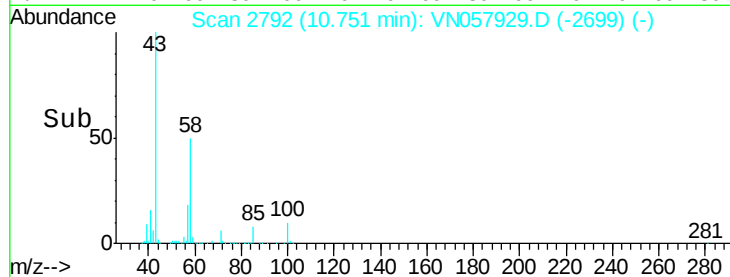
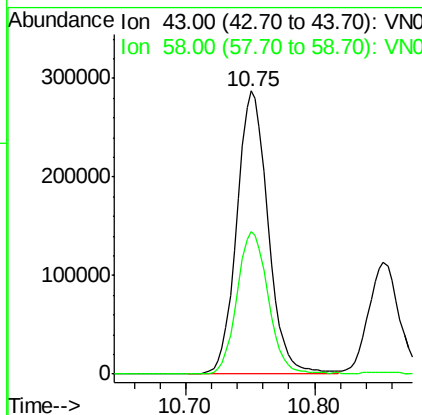
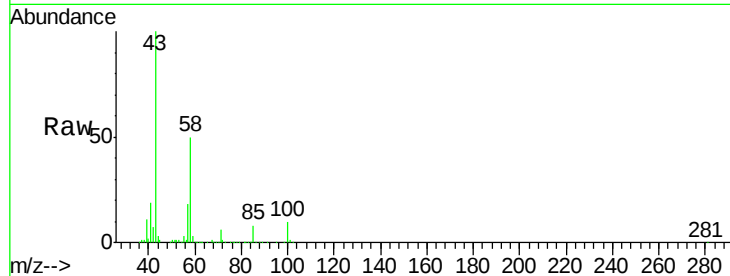
#59
2-Hexanone
Concen: 100.251 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion: 43 Resp: 482883
Ion Ratio Lower Upper
43 100
58 50.6 25.6 76.8

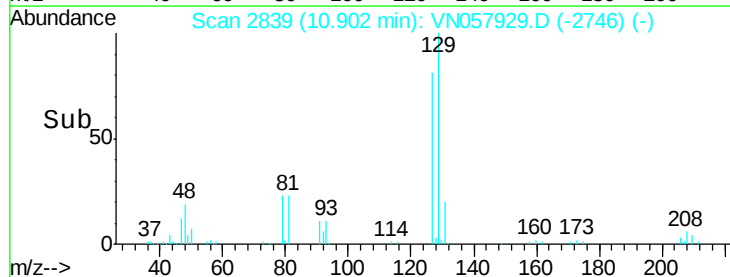
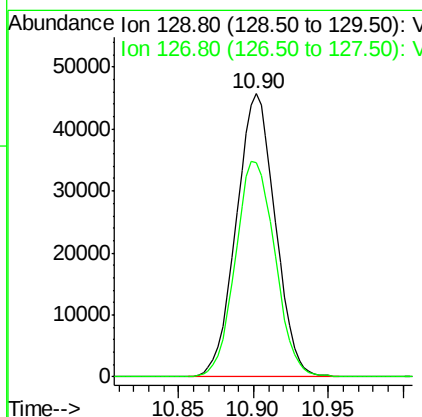
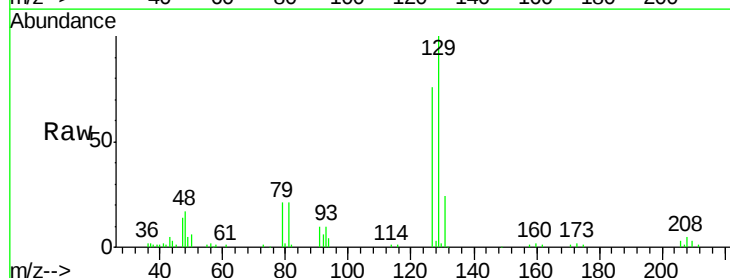
Manual Integrations
APPROVED

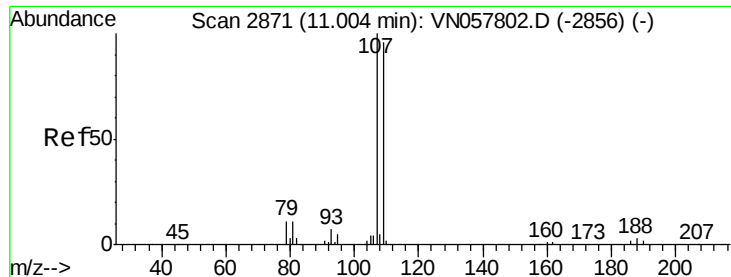
MMDadoda
9/13/2019 11:07:25 AM



#60
Dibromochloromethane
Concen: 17.774 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion: 129 Resp: 82858
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





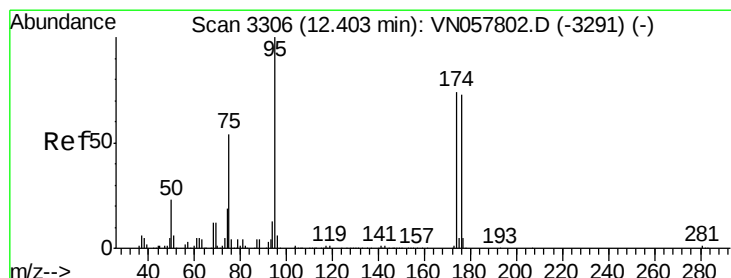
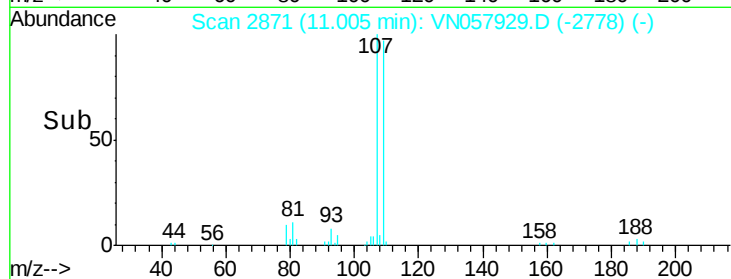
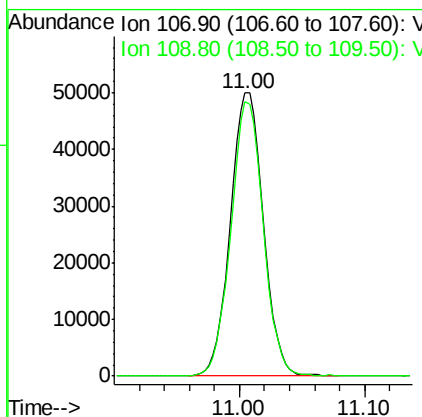
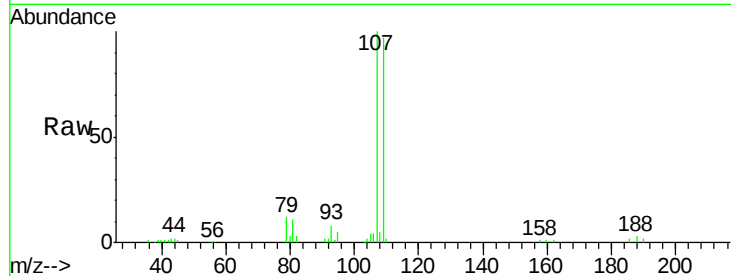
#61
 1,2-Dibromoethane
 Concen: 19.219 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

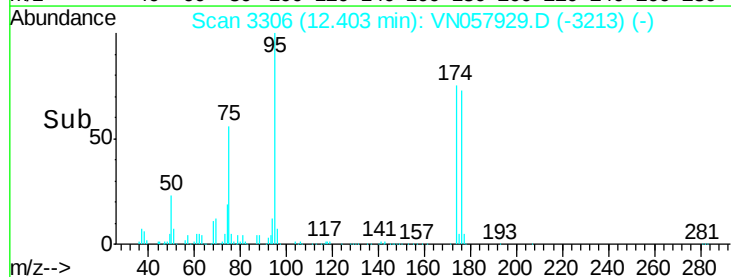
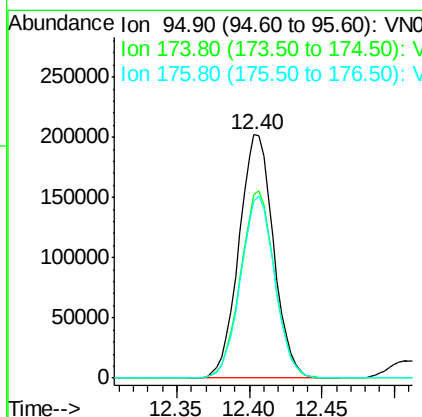
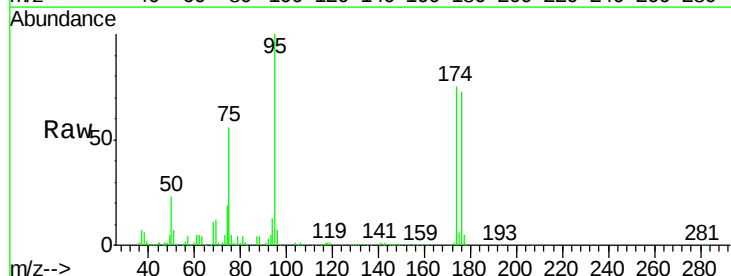
Manual Integrations
 APPROVED

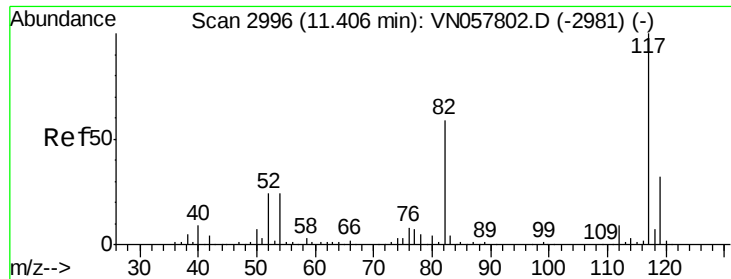
MMDadoda
 9/13/2019 11:07:25 AM



#62
 4-Bromofluorobenzene
 Concen: 45.583 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	150.2
176	73.8	0.0	146.0





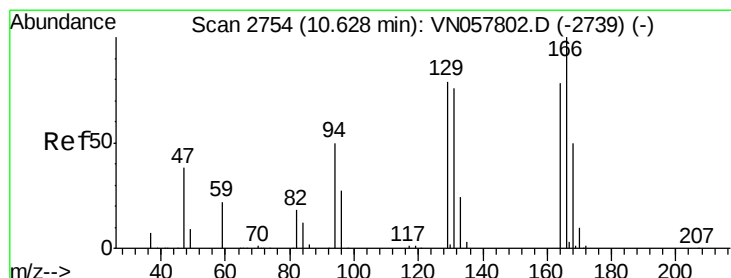
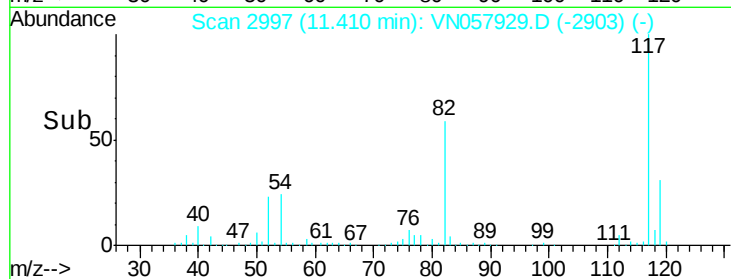
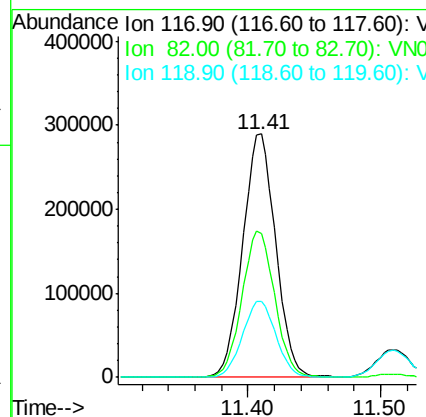
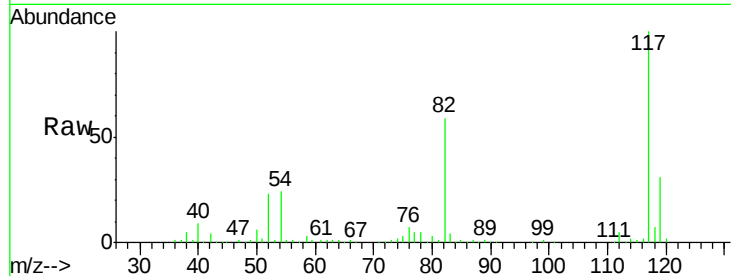
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	500927		
82	59.0		47.2	70.8
119	31.3		25.3	37.9

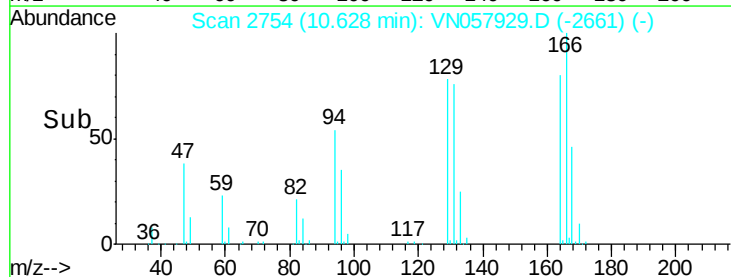
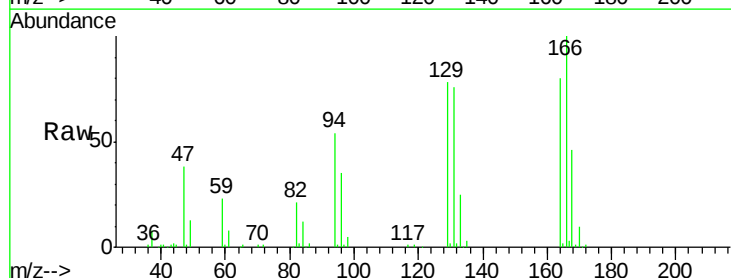
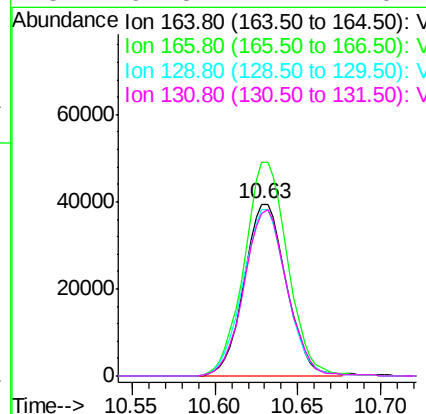
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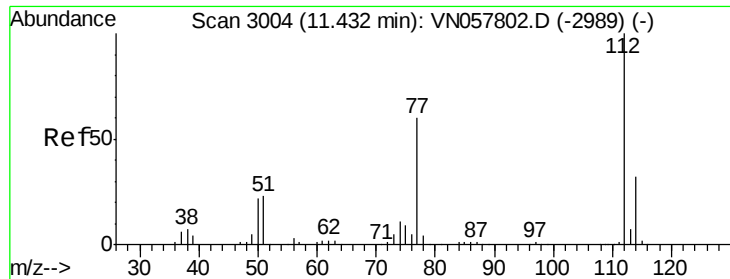
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#64
Tetrachloroethene
Concen: 18.922 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	69986		
166	124.3		102.2	153.2
129	97.0		80.8	121.2
131	94.8		77.4	116.2





#65

Chlorobenzene

Concen: 19.519 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion:112 Resp: 255884

Ion Ratio Lower Upper

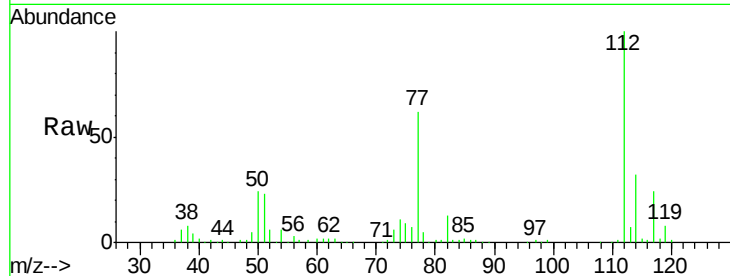
112 100

114 31.6 25.2 37.8

Manual Integrations
APPROVED

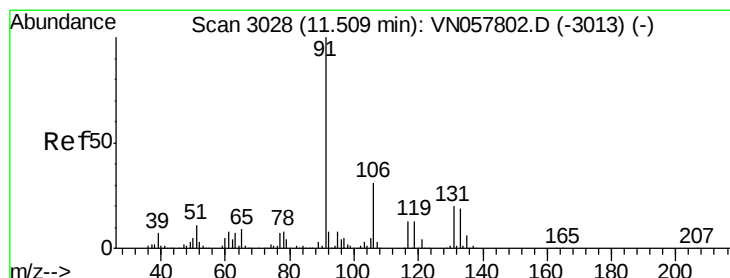
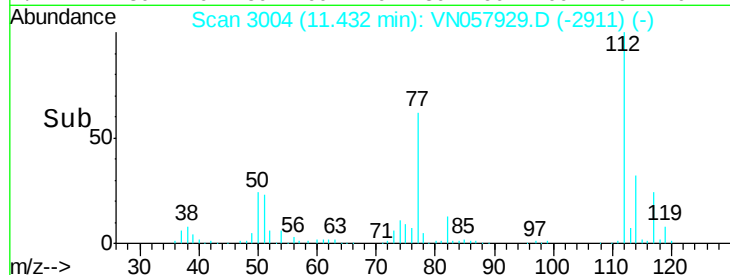
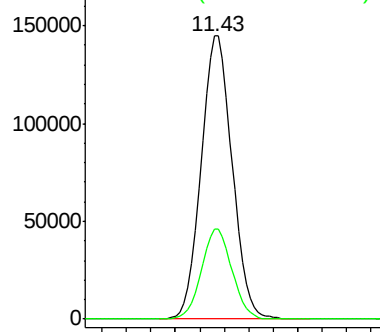
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.553 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

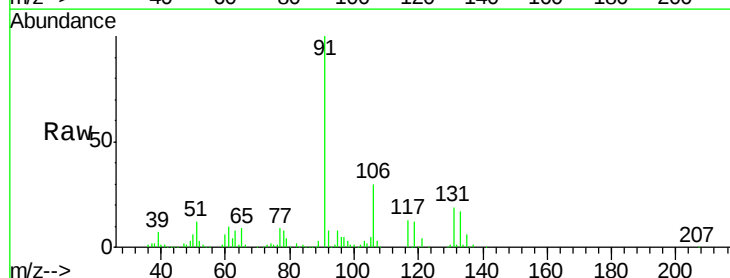
Tgt Ion:131 Resp: 84395

Ion Ratio Lower Upper

131 100

133 98.0 47.1 141.3

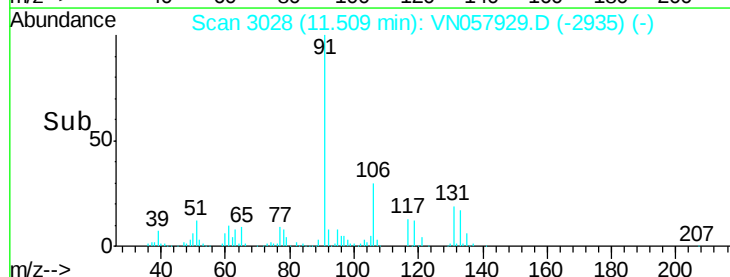
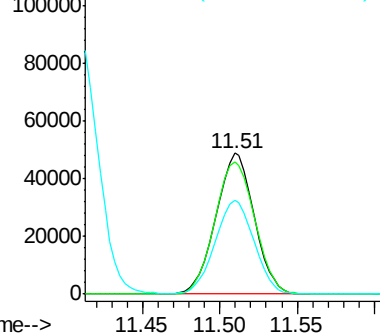
119 67.7 33.3 99.8

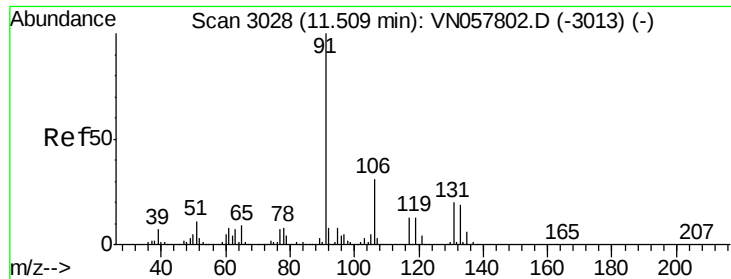


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





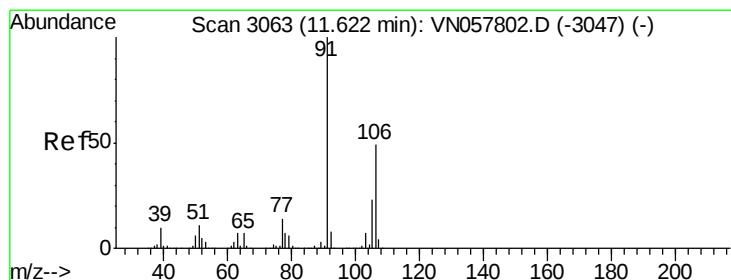
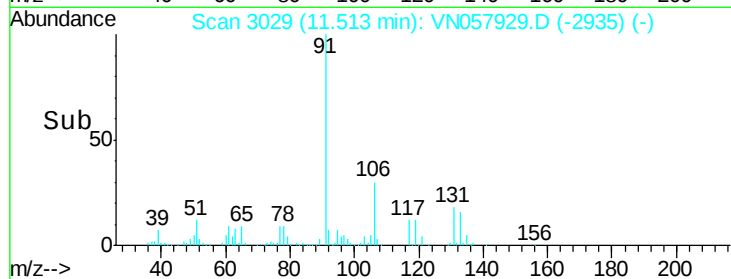
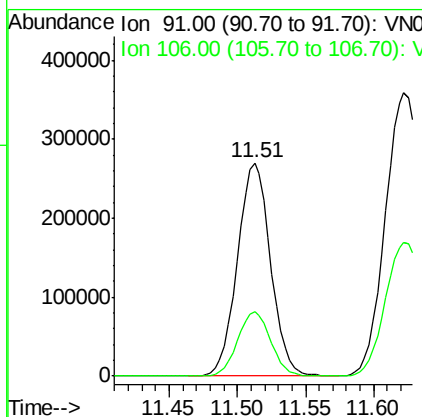
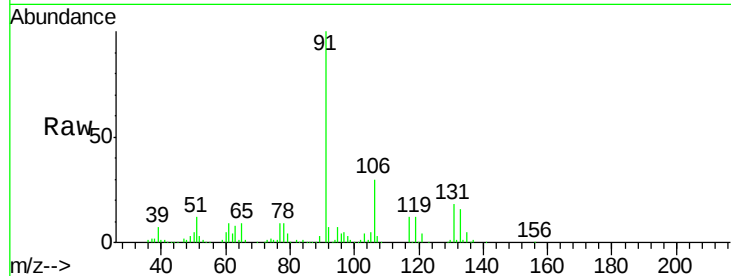
#67
Ethyl Benzene
Concen: 19.804 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampled :
VN0912MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		455001		
106	30.2	24.4	36.6		

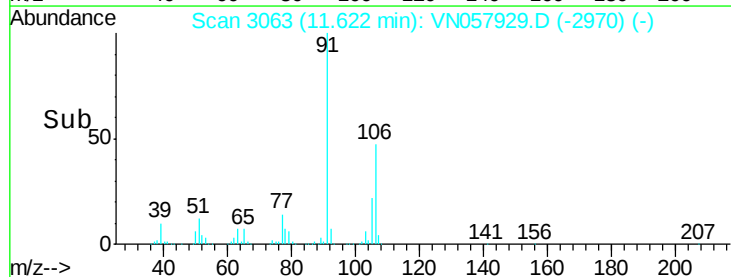
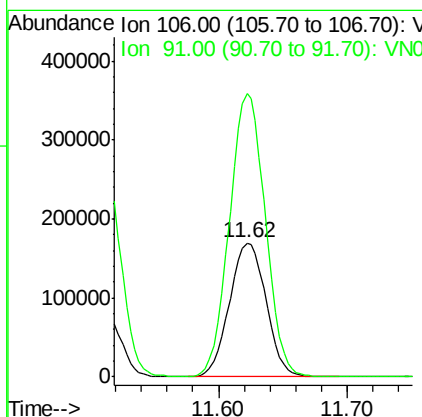
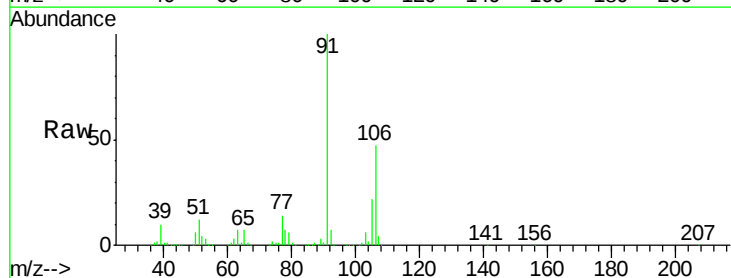
Manual Integrations
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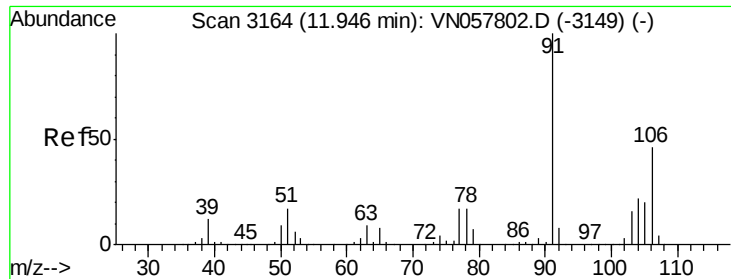
MMDadoda
9/13/2019 11:07:25 AM



#68
m/p-Xylenes
Concen: 39.688 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		334005		
91	206.6	165.8	248.6		





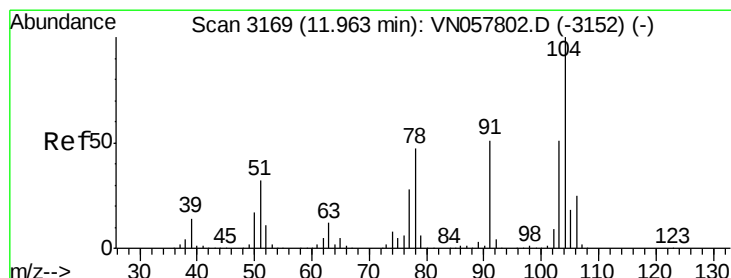
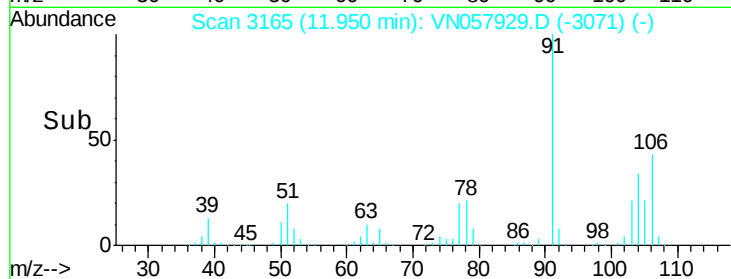
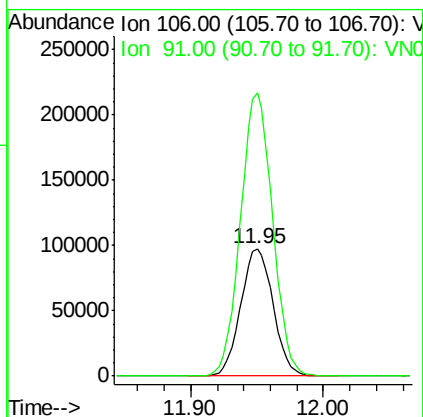
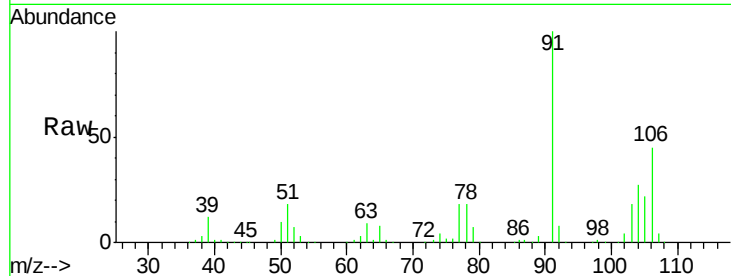
#69
o-Xylene
Concen: 19.736 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion:106 Resp: 165119
Ion Ratio Lower Upper
106 100
91 220.7 108.7 326.1

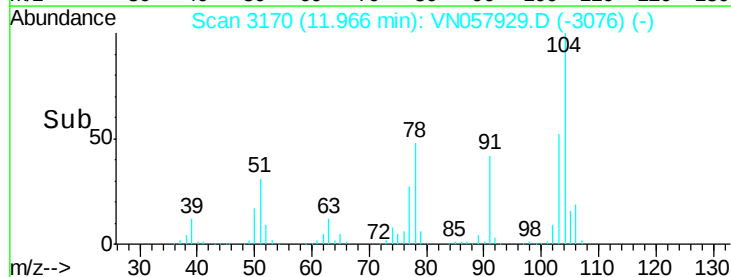
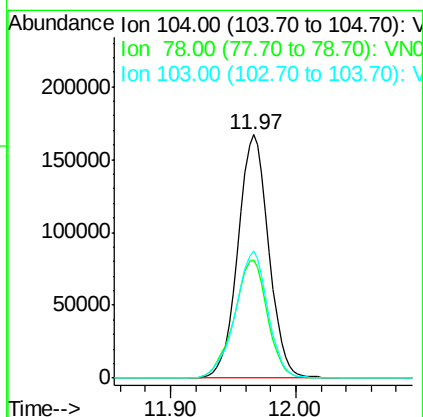
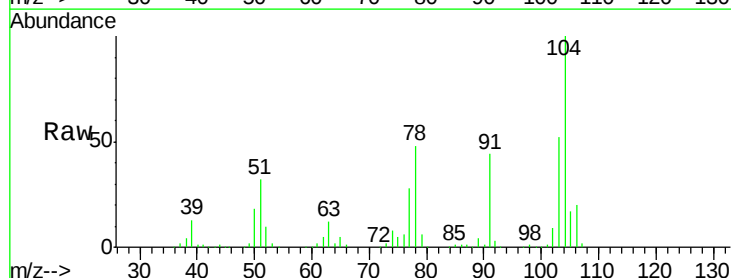
Manual Integrations
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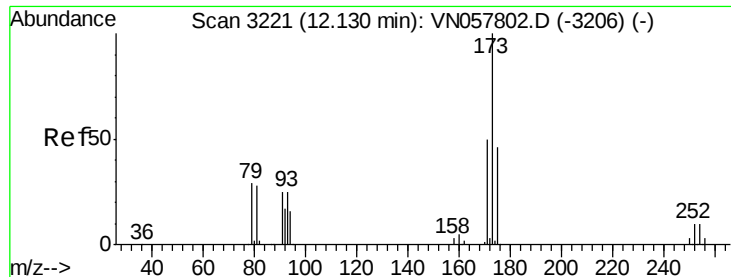
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#70
Styrene
Concen: 19.772 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion:104 Resp: 284694
Ion Ratio Lower Upper
104 100
78 52.7 41.3 61.9
103 55.0 43.7 65.5





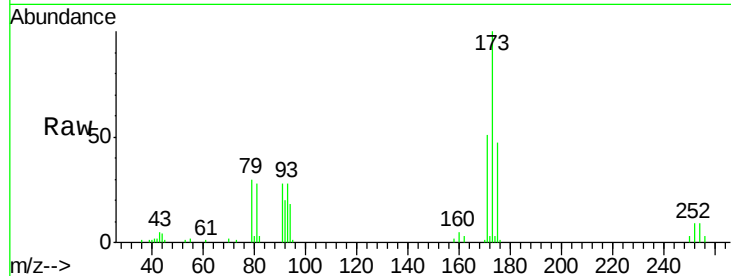
#71
Bromoform
Concen: 17.238 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

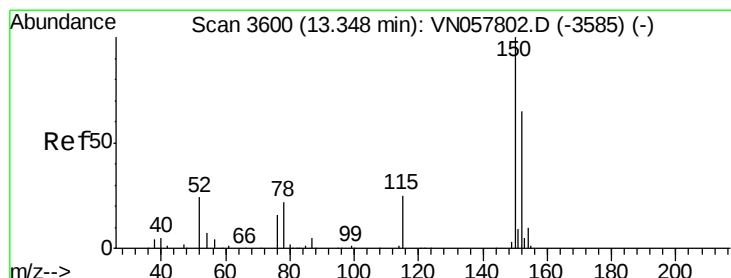
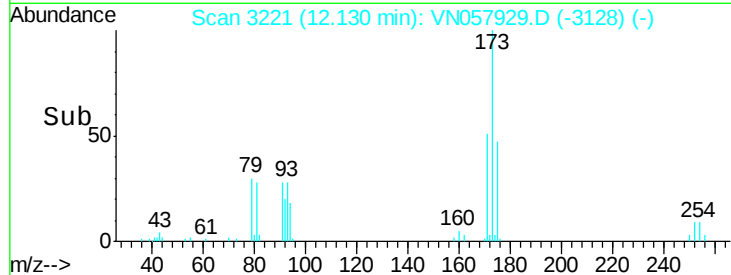
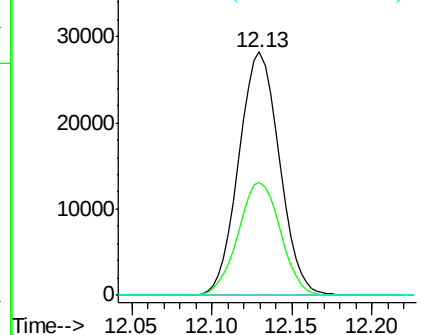
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.5	70.6
254	0.0	0.1	0.1#

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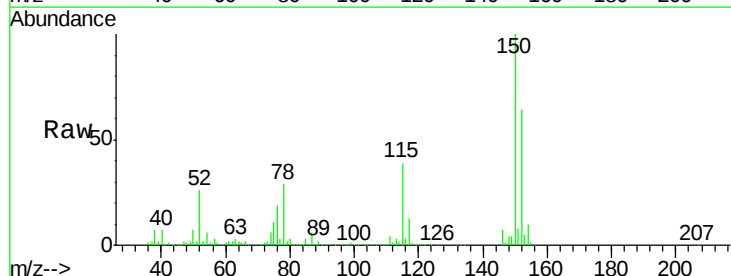


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

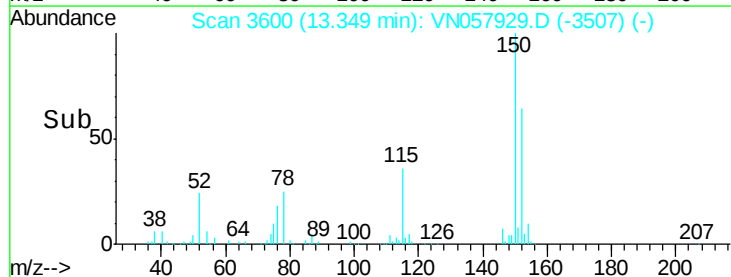
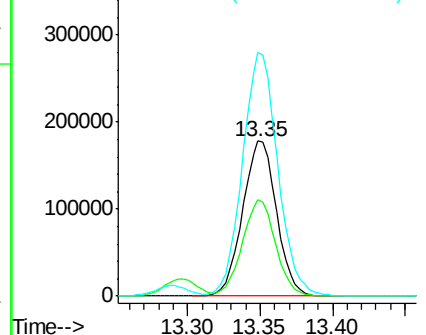


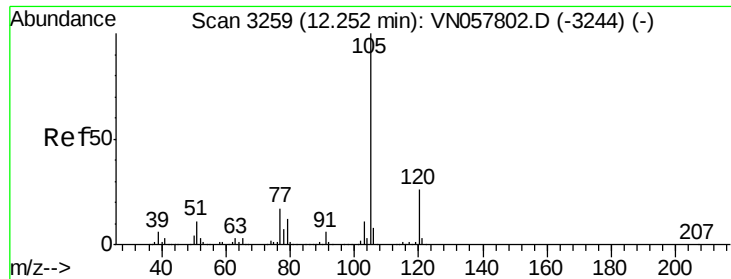
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.3	91.0
150	163.4	0.0	352.4



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





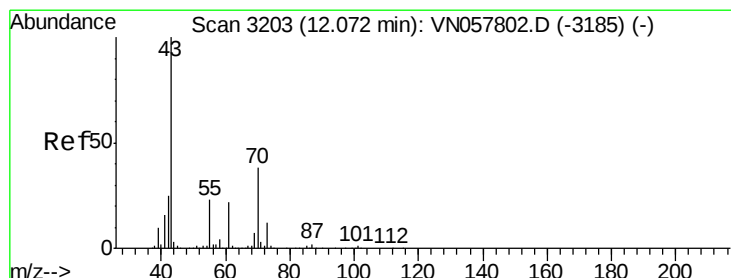
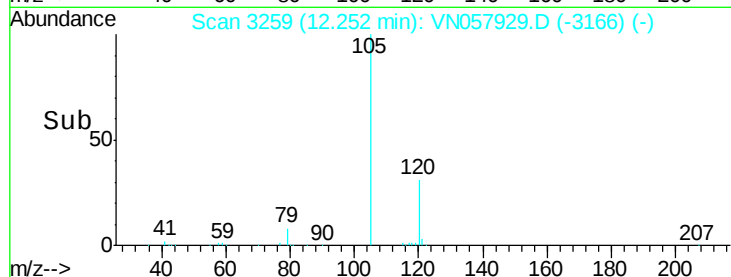
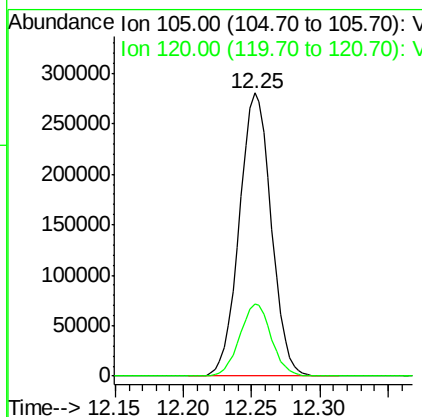
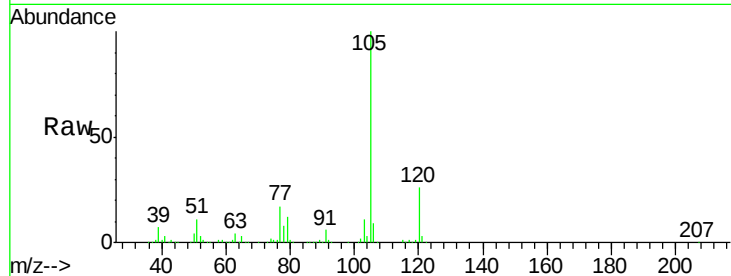
#73
Isopropylbenzene
Concen: 20.308 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.4

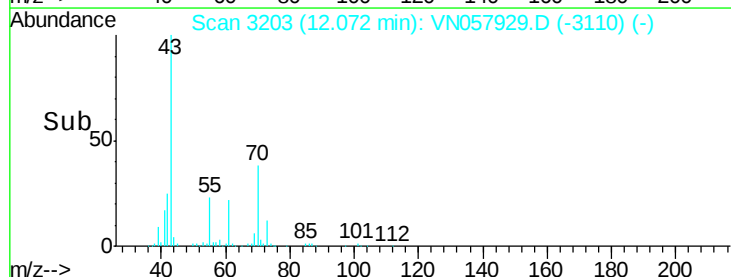
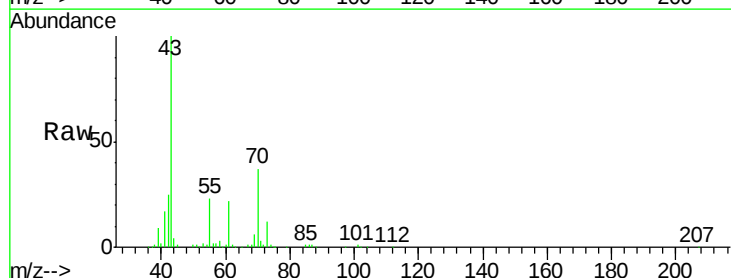
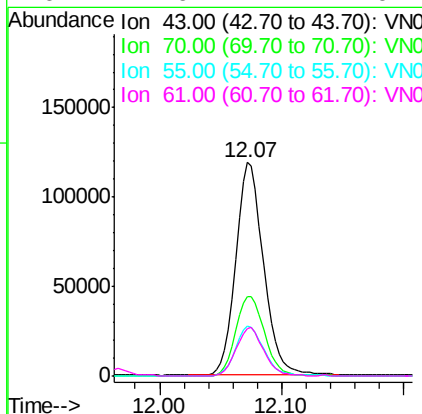
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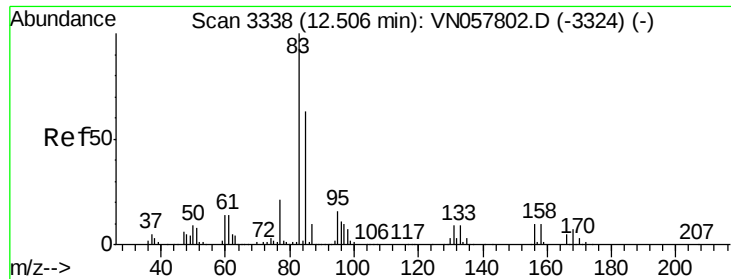
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#74
N-ethyl acetate
Concen: 19.332 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.9	30.6	45.8
55	24.3	18.6	27.8
61	22.6	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.679 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

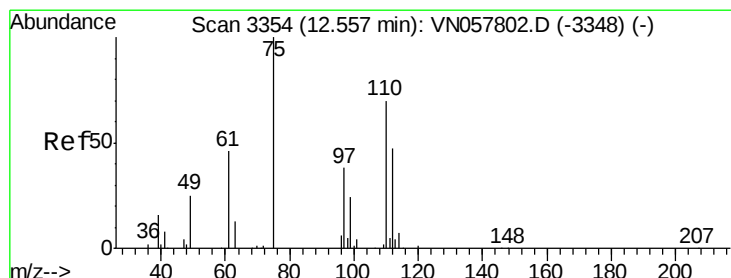
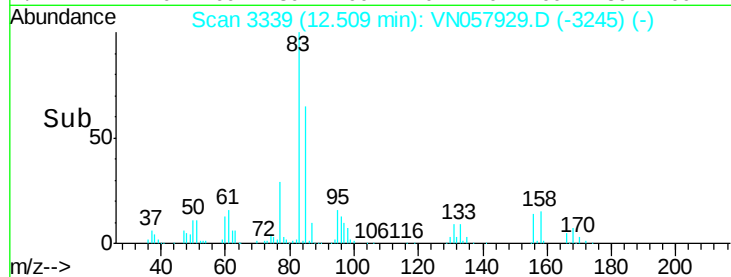
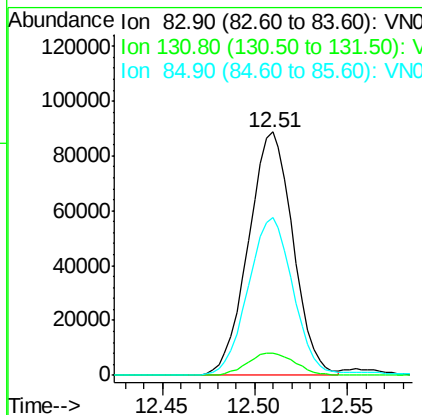
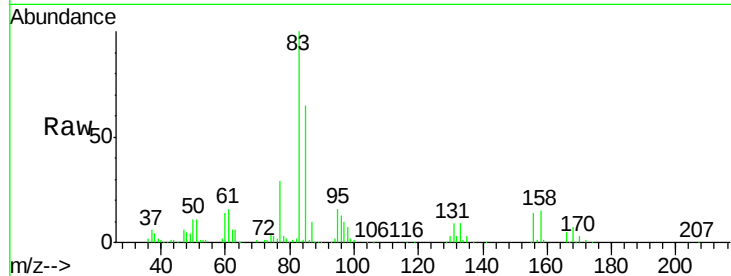
ClientSampleId :

VN0912MBS01

Tot Ion:	83	Resp:	148384
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	65.2	31.6	94.7

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9/13/2019 11:07:25 AM



#76

1,2,3-Trichloropropane

Concen: 17.972 ug/l m

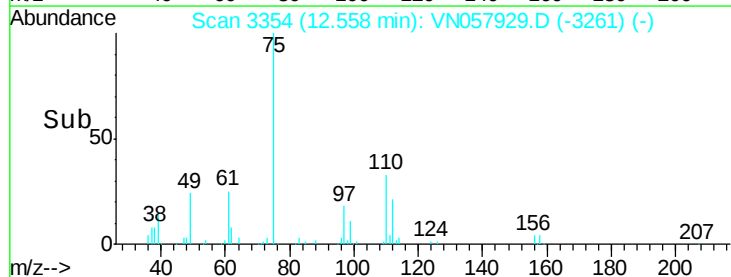
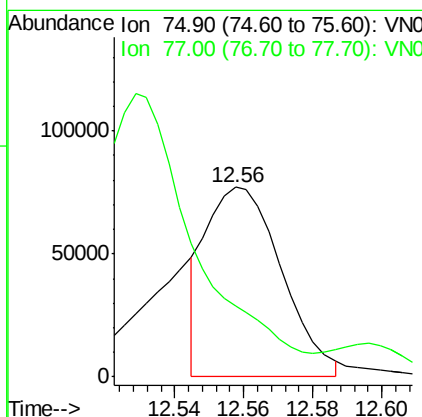
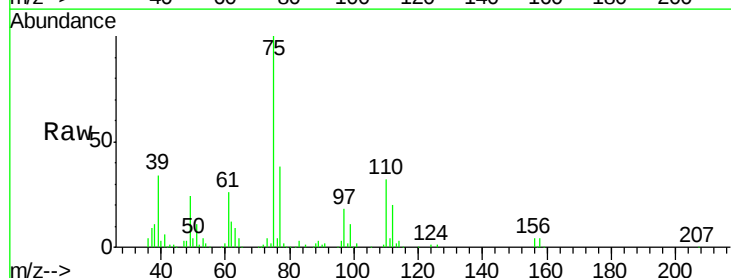
RT: 12.56 min Scan# 3354

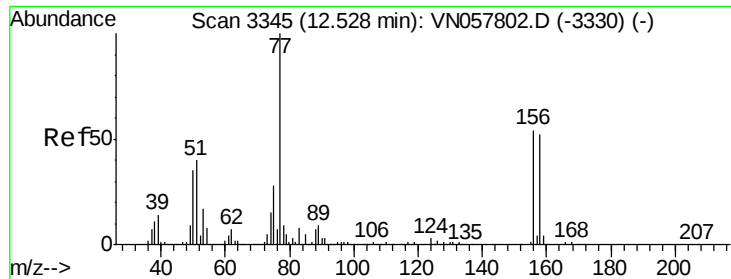
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	75	Resp:	117331
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.117 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

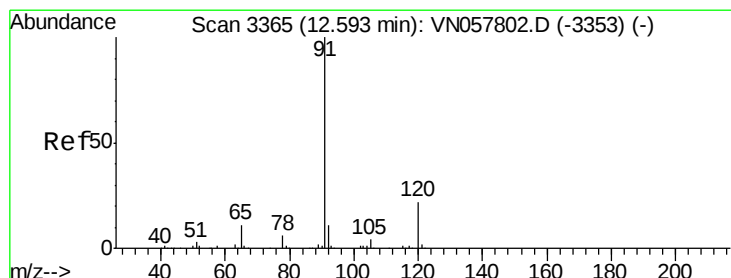
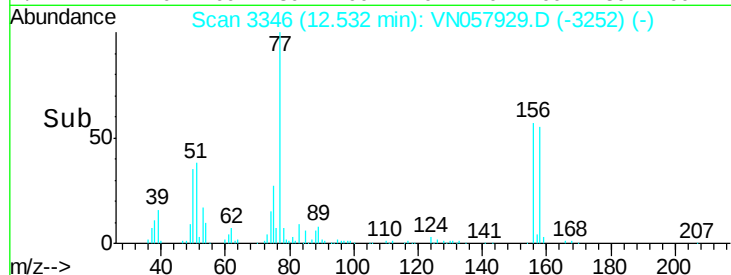
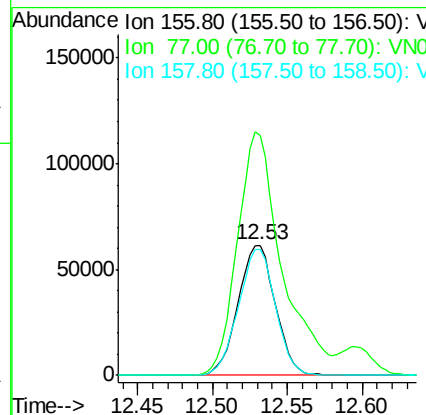
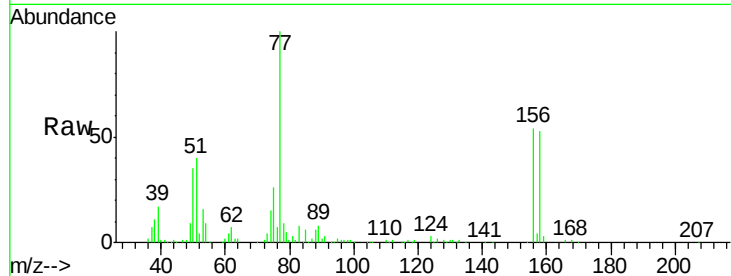
ClientSampleId :

VN0912MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.0	113.7	341.1
158	96.4	48.5	145.6

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#78

n-propylbenzene

Concen: 20.987 ug/l

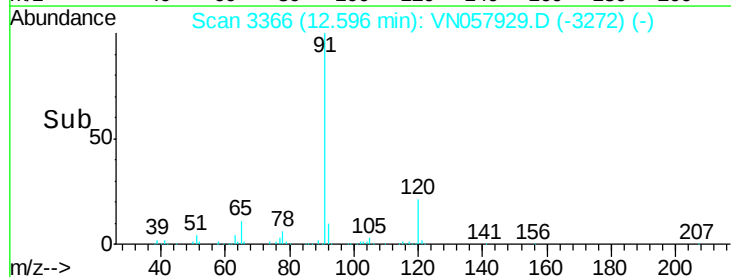
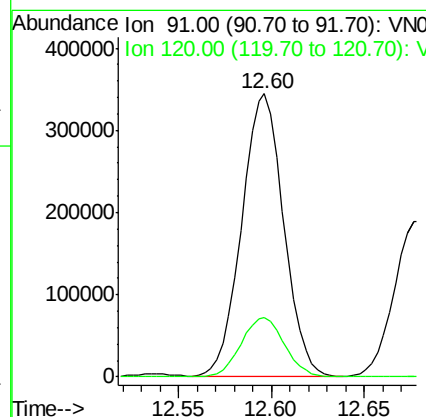
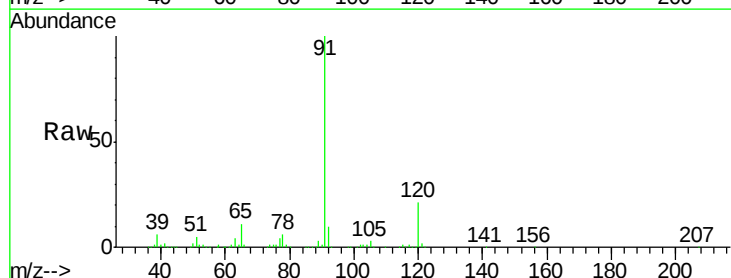
RT: 12.60 min Scan# 3366

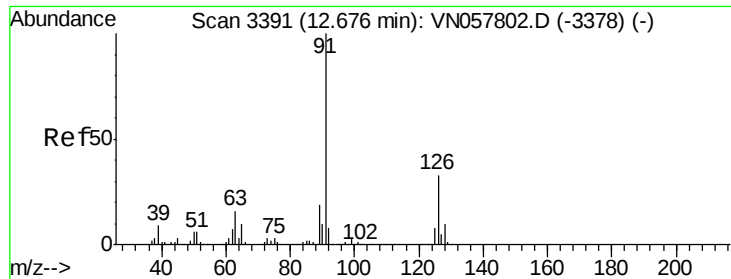
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1





#79

2-Chlorotoluene

Concen: 19.584 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

VN0912MBS01

Tot Ion: 91 Resp: 318297

Ion Ratio Lower Upper

91 100

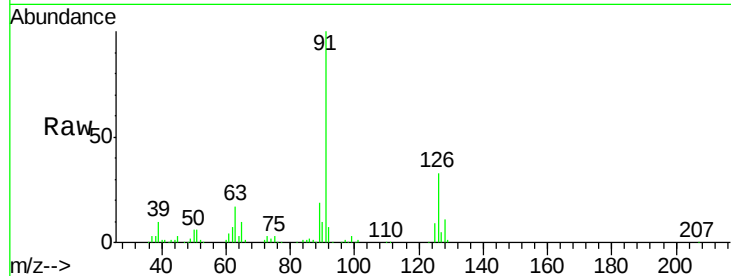
126 32.8 16.4 49.2

Manual Integrations

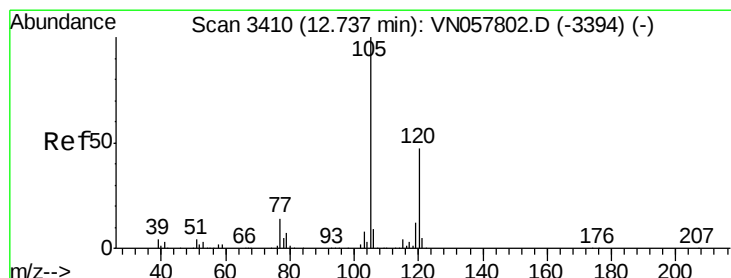
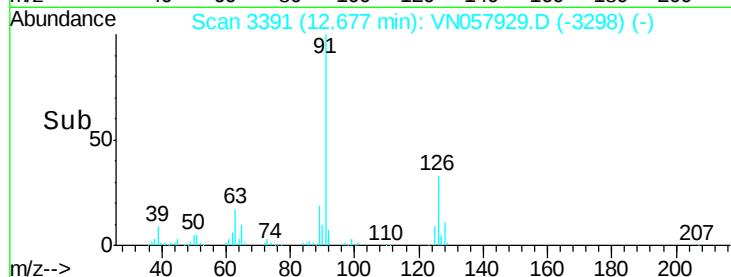
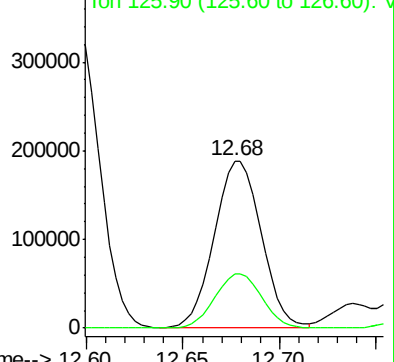
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Abundance Ion 91.00 (90.70 to 91.70): VN057802.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.552 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057929.D

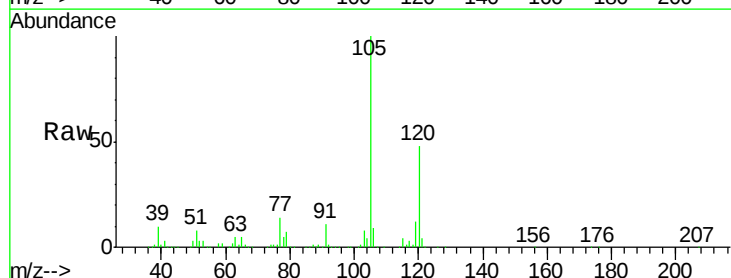
Acq: 11 Sep 2019 17:35

Tgt Ion: 105 Resp: 388895

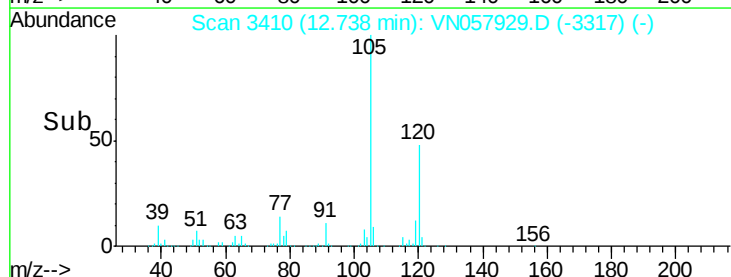
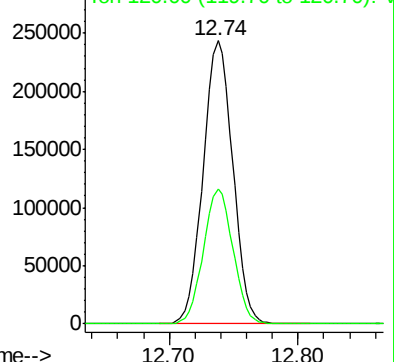
Ion Ratio Lower Upper

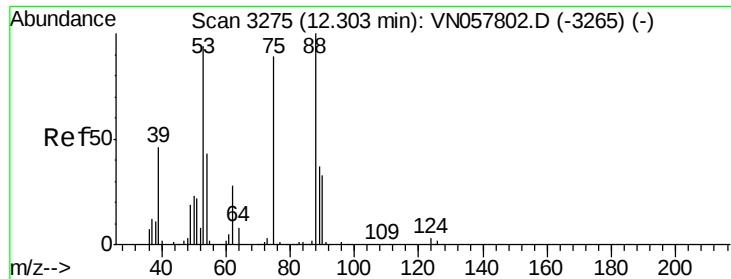
105 100

120 47.5 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN057802.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.275 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

ClientSampleId :

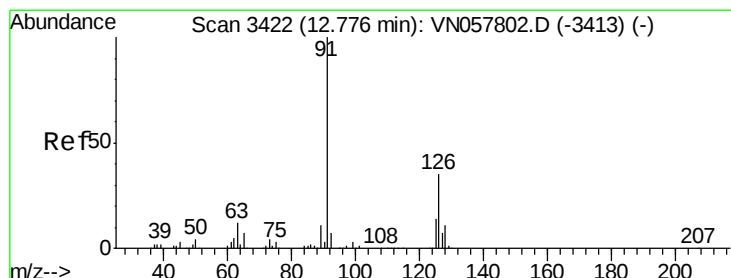
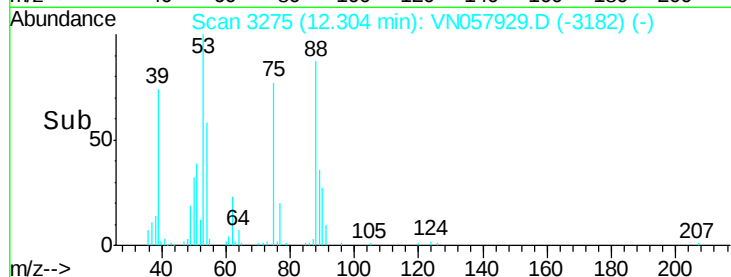
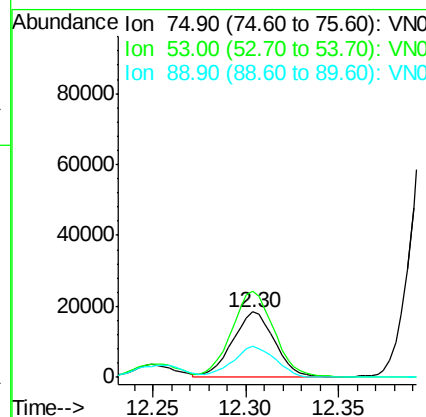
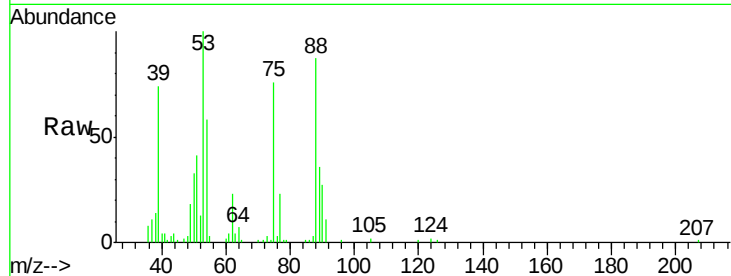
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	137.7	88.4	132.6#
89	49.0	35.3	52.9

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#82

4-Chlorotoluene

Concen: 19.441 ug/l

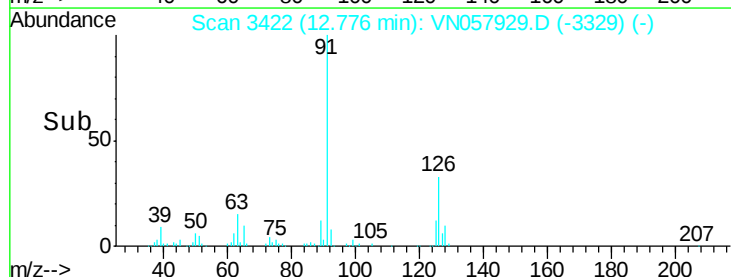
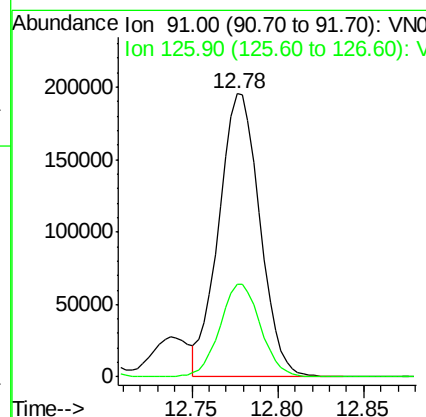
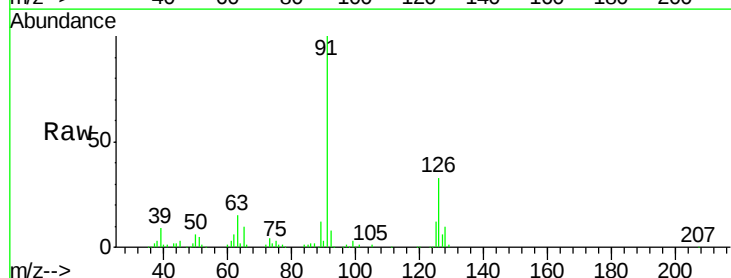
RT: 12.78 min Scan# 3422

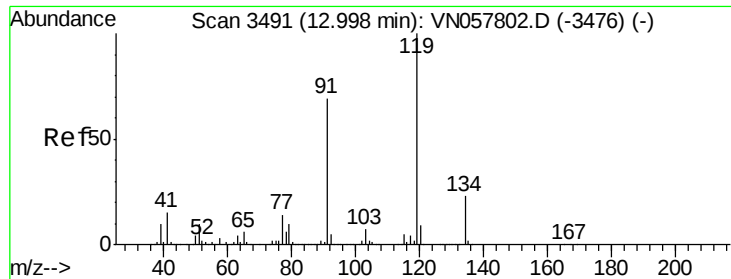
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.0	48.0





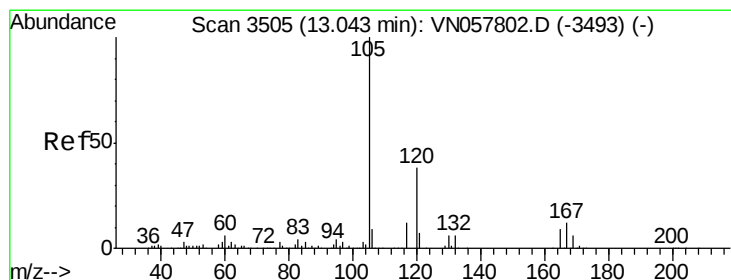
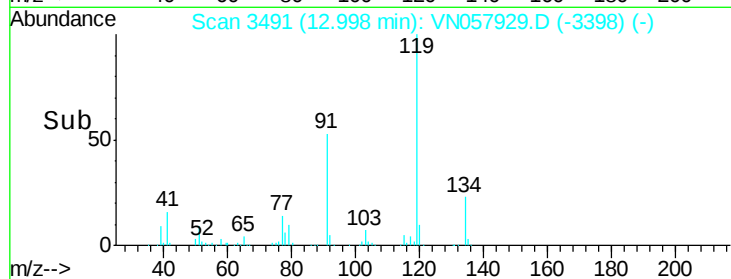
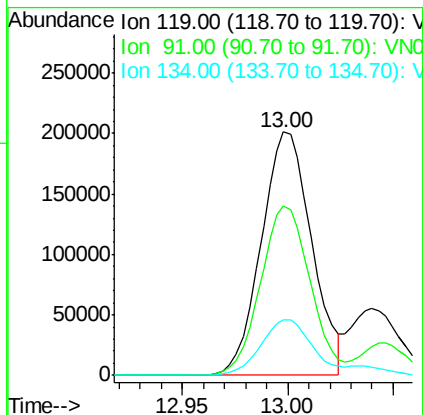
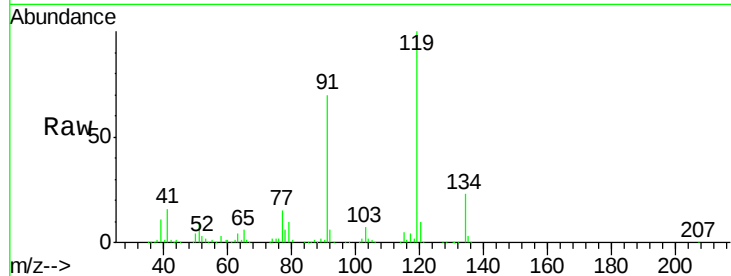
#83
tert-Butylbenzene
Concen: 19.877 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampled :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.4	33.6	100.8
134	23.2	11.7	35.0

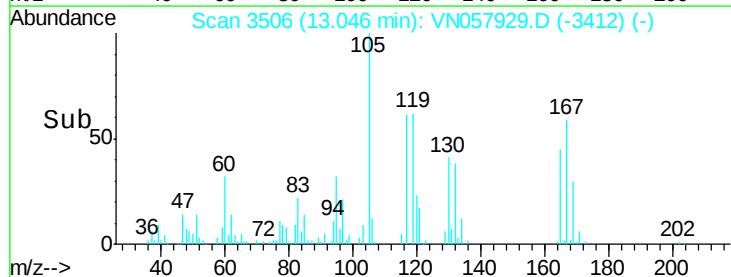
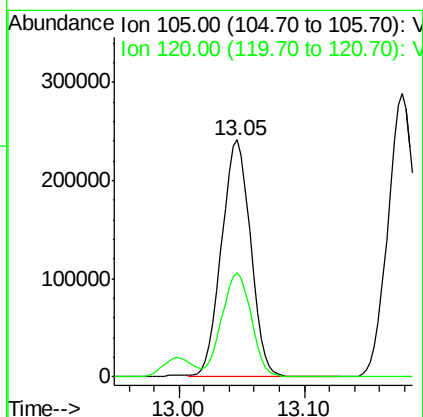
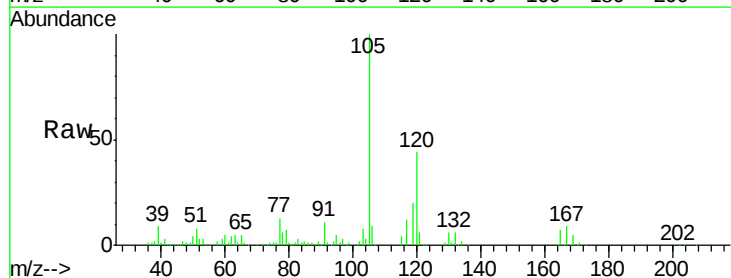
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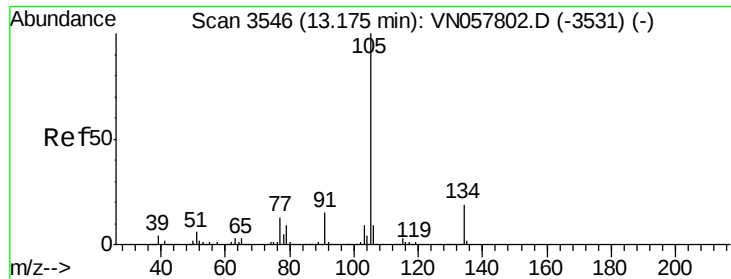
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.082 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.2





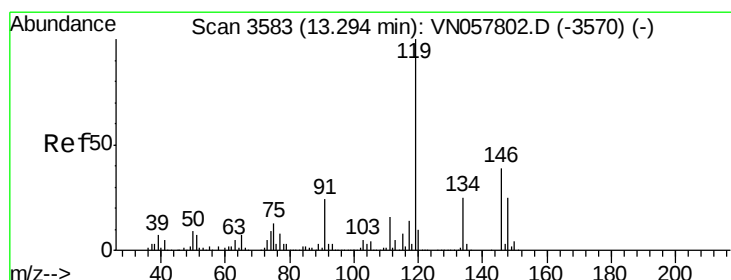
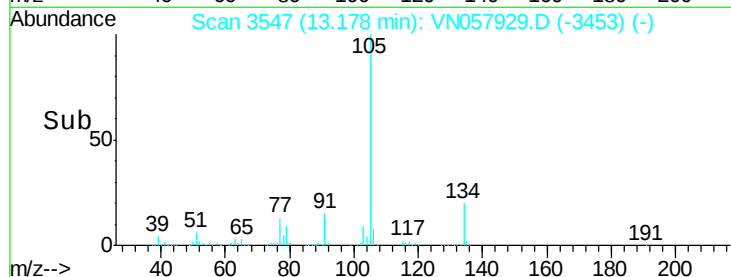
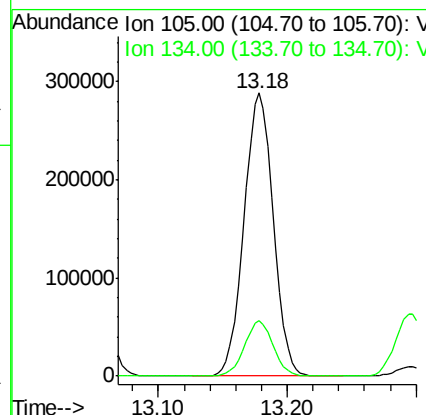
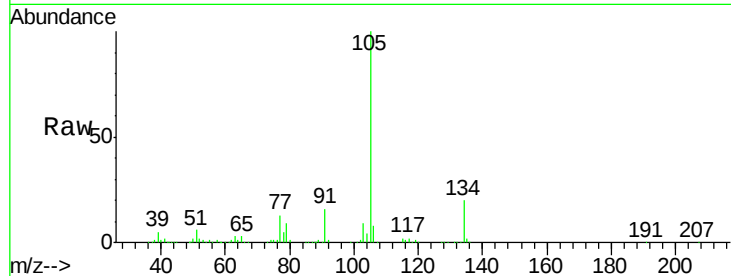
#85
 sec-Butylbenzene
 Concen: 20.302 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	452608		
134	19.1	9.6	28.6	

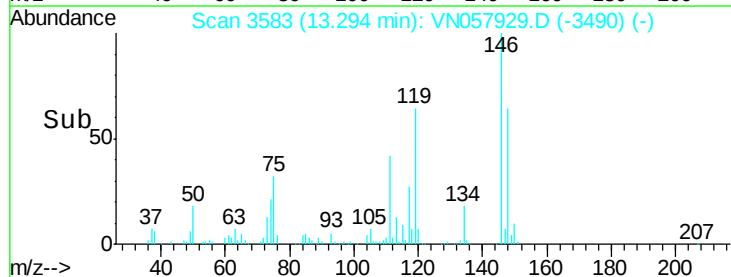
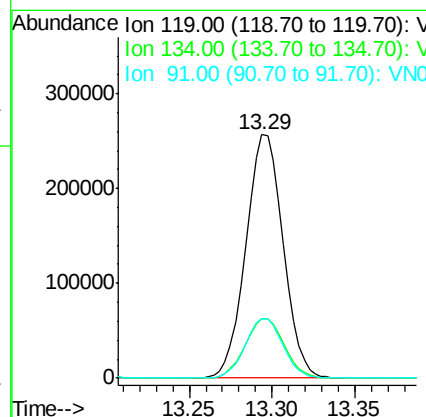
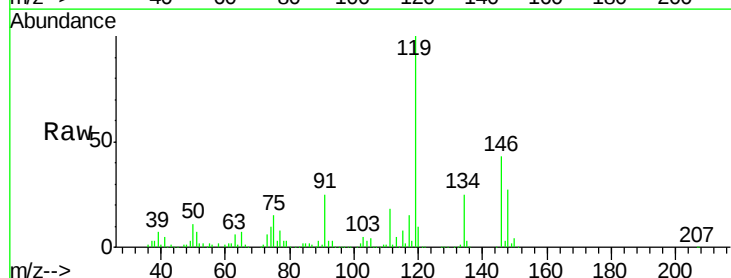
Manual Integrations
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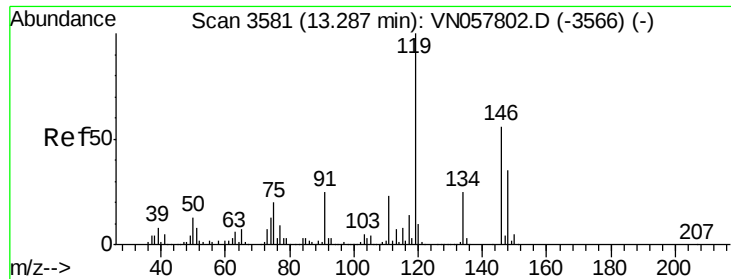
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.427 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	401241		
134	25.6	12.5	37.5	
91	25.0	12.3	36.8	





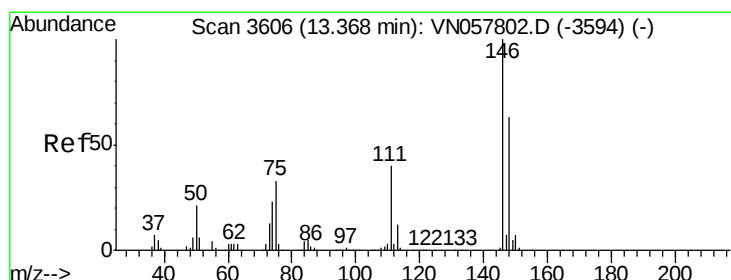
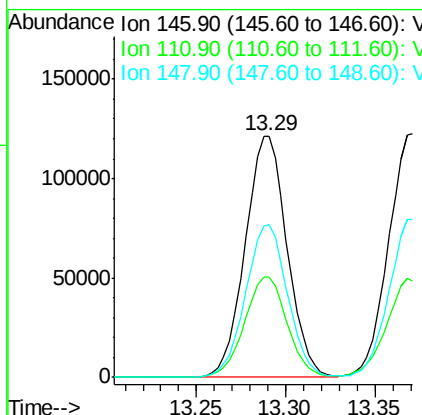
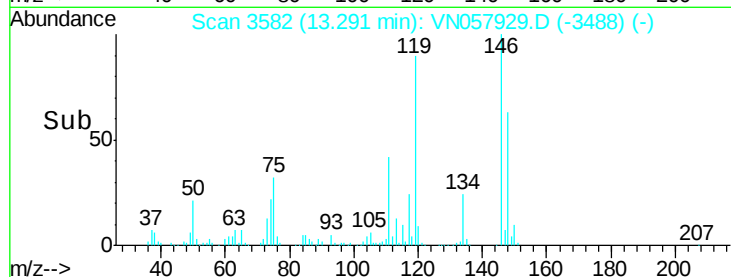
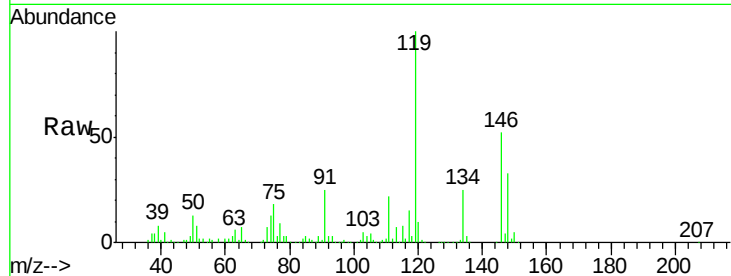
#87
 1,3-Dichlorobenzene
 Concen: 19.372 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	198529		
111	42.3	20.5	61.6	
148	63.4	31.5	94.5	

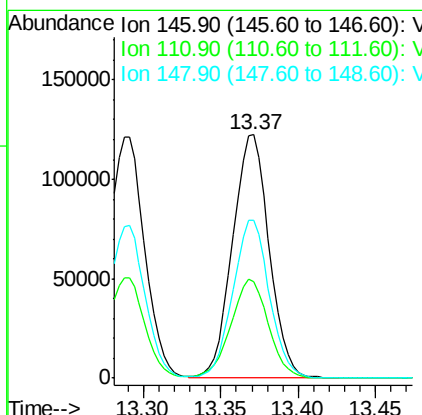
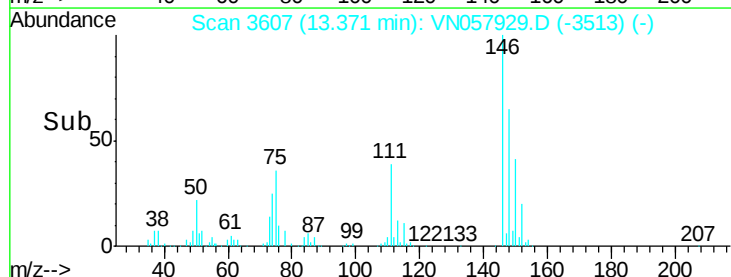
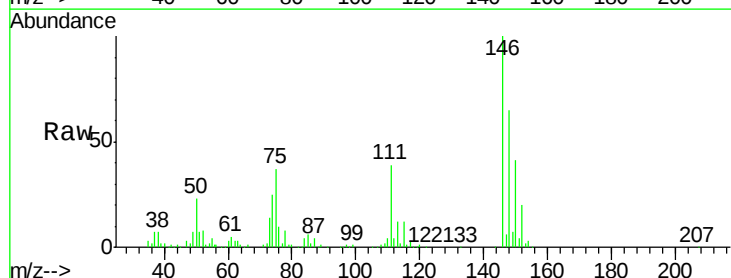
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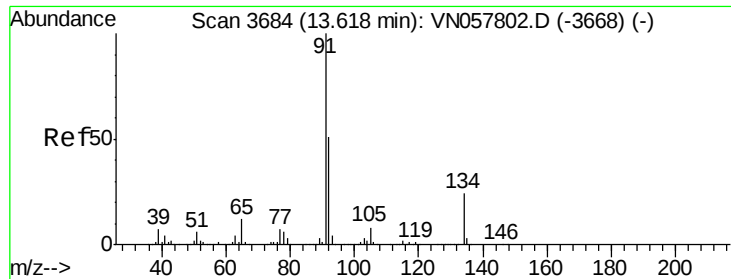
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#88
 1,4-Dichlorobenzene
 Concen: 19.317 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	200953		
111	41.1	20.4	61.2	
148	64.6	31.8	95.4	





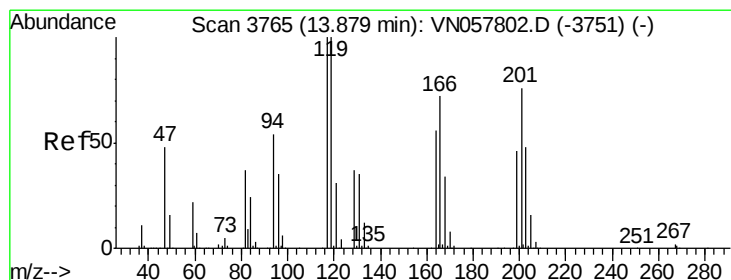
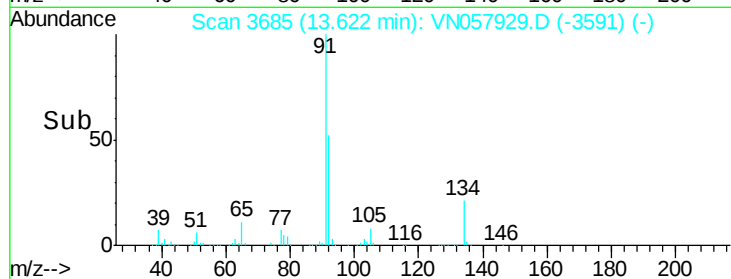
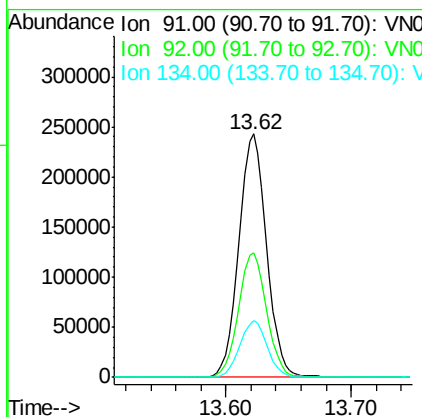
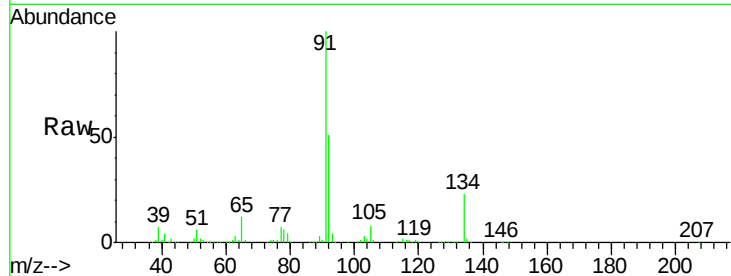
#89
n-Butylbenzene
Concen: 20.128 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Instrument :
MSVOA_N
ClientSampleId :
VN0912MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.7	77.0
134	23.1	11.9	35.7

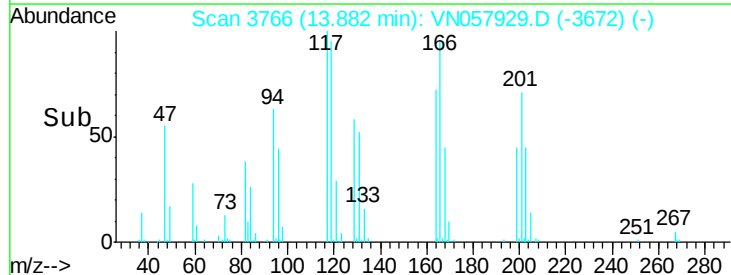
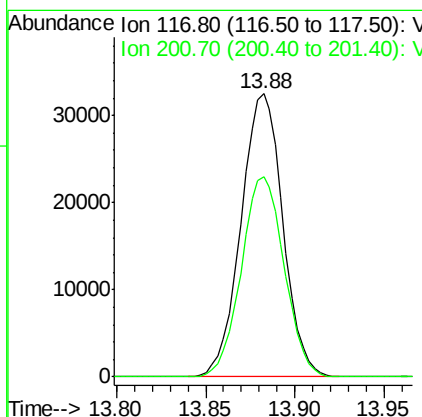
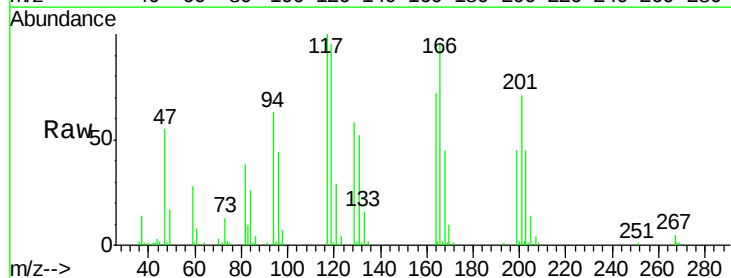
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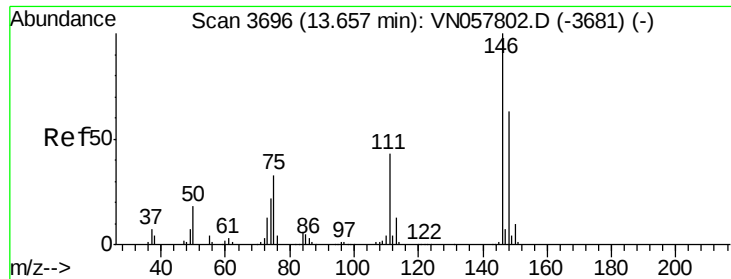
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#90
Hexachloroethane
Concen: 18.189 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057929.D
Acq: 11 Sep 2019 17:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.5	37.5	112.7





#91

1,2-Dichlorobenzene

Concen: 19.553 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

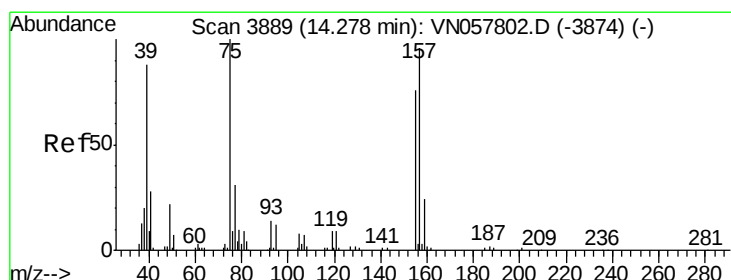
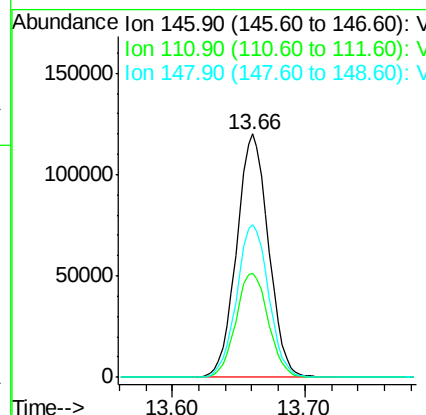
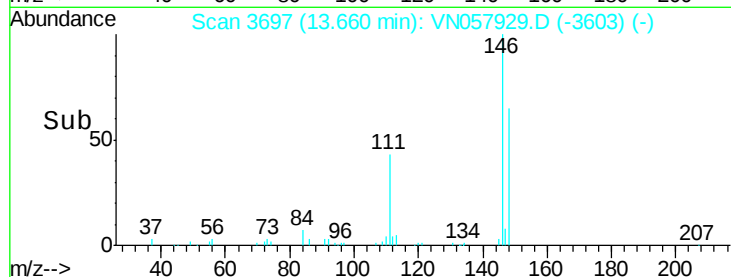
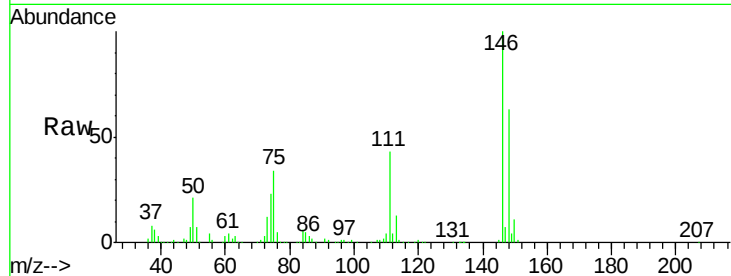
ClientSampled :

VN0912MBS01

Tot Ion:	146	Resp:	200194
Ion Ratio	Lower	Upper	
146	100		
111	43.5	21.3	63.9
148	63.3	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.629 ug/l

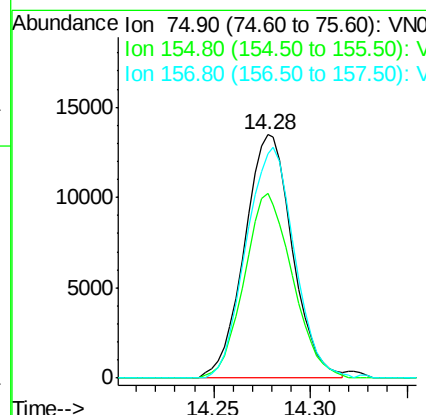
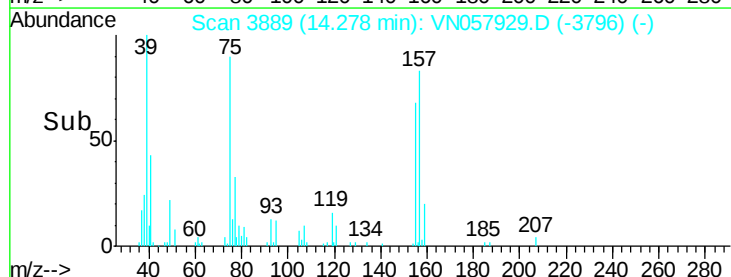
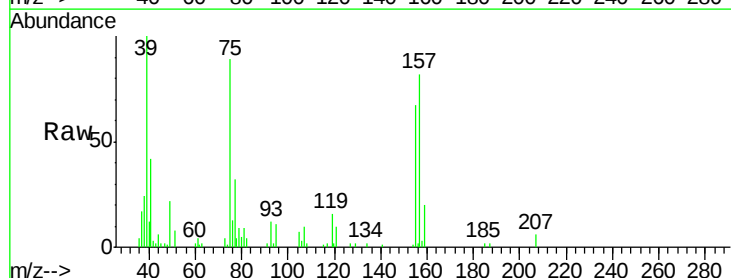
RT: 14.28 min Scan# 3889

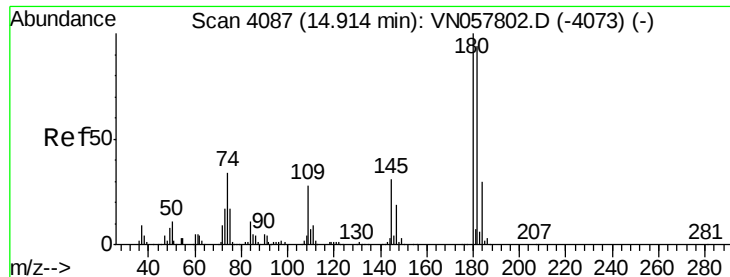
Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	75	Resp:	23197
Ion Ratio	Lower	Upper	
75	100		
155	76.2	37.3	111.8
157	95.5	47.9	143.8





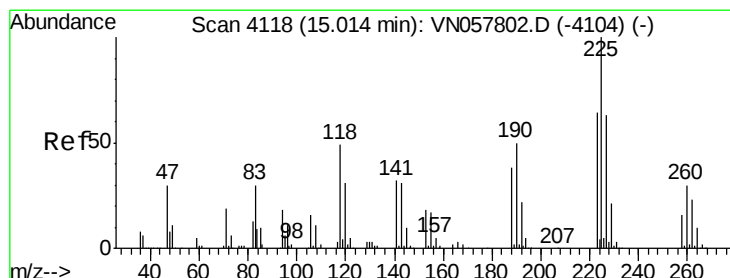
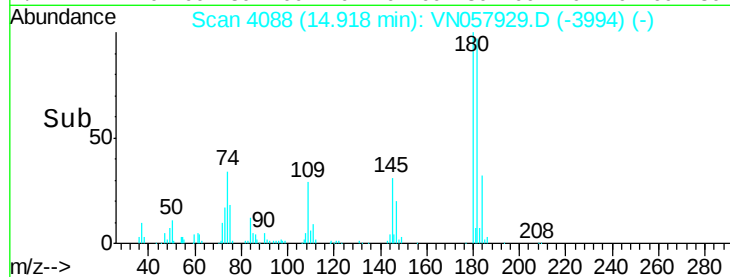
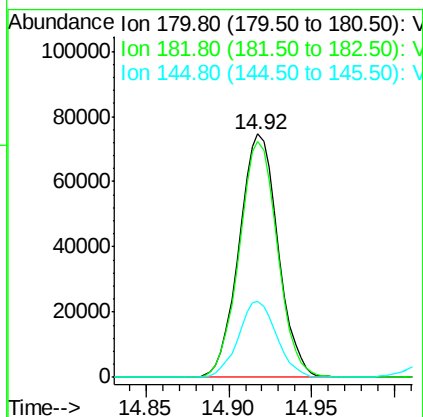
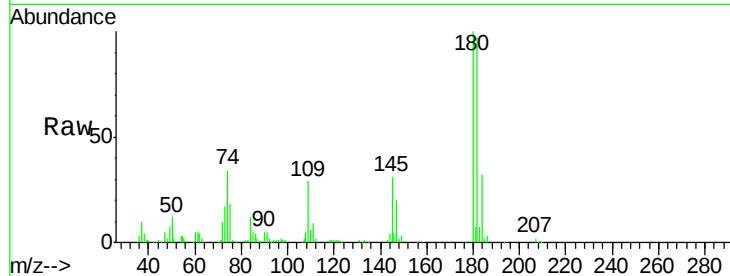
#93
 1,2,4-Trichlorobenzene
 Concen: 18.230 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912MBS01

Tot Ion:	180	Resp:	121997
Ion Ratio	Lower	Upper	
180	100		
182	95.1	46.9	140.8
145	30.6	14.9	44.7

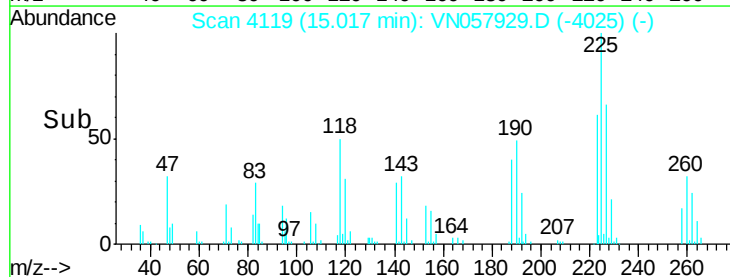
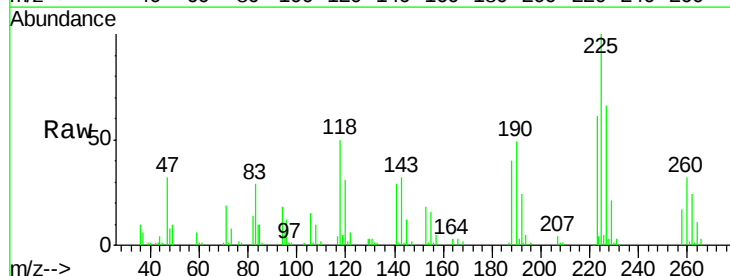
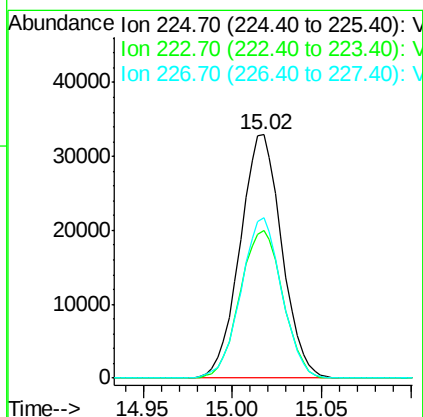
Manual Integrations
 APPROVED

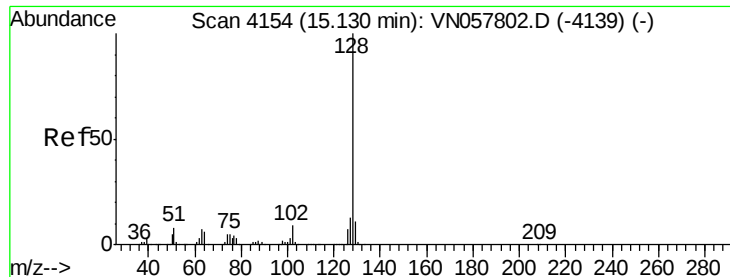
MMDadoda
 9/13/2019 11:07:25 AM



#94
 Hexachlorobutadiene
 Concen: 18.940 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057929.D
 Acq: 11 Sep 2019 17:35

Tgt Ion:	225	Resp:	53730
Ion Ratio	Lower	Upper	
225	100		
223	62.1	32.4	97.2
227	64.1	31.8	95.4





#95

Naphthalene

Concen: 20.231 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Instrument :

MSVOA_N

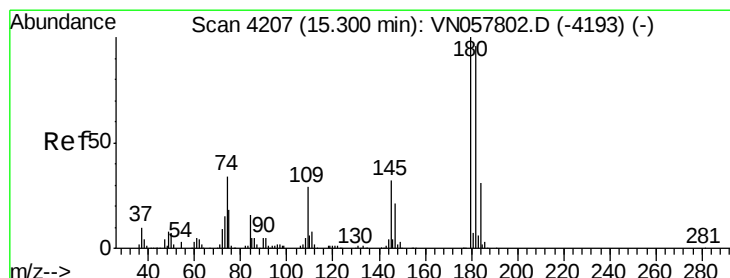
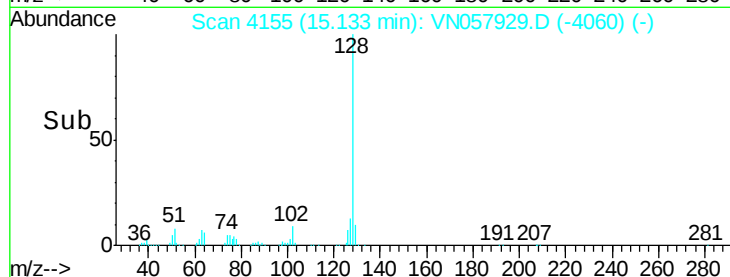
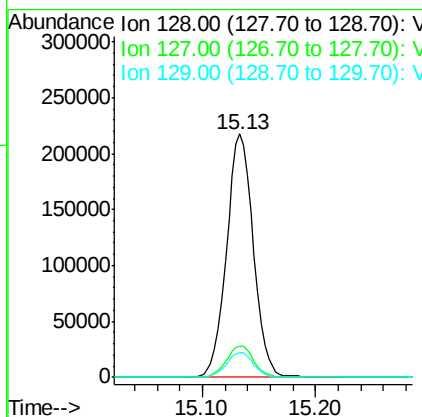
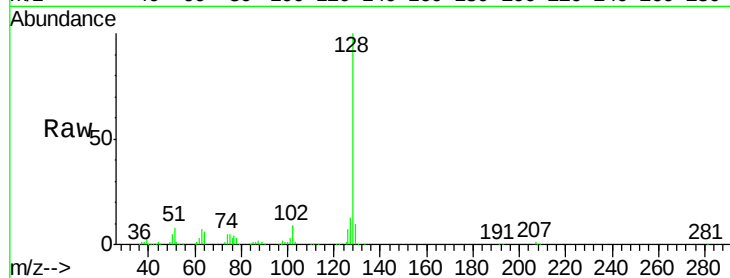
ClientSampleId :

VN0912MBS01

Tot Ion:	128	Resp:	357605
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.3	15.5
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:07:25 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.390 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN057929.D

Acq: 11 Sep 2019 17:35

Tgt Ion:	180	Resp:	115600
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.3	144.8
145	32.6	16.3	48.8

