

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061219\
 Data File : VN056268.D
 Acq On : 12 Jun 2019 22:59
 Operator : JC/SP
 Sample : K3315-04MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:59 AM

Quant Time: Jun 13 06:39:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	305071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	411383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	375341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	143710	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.59	113	137130	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	
50) Toluene-d8	10.09	98	493516	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	167490	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	139240	41.605	ug/l	100
3) Chloromethane	2.06	50	143982	43.539	ug/l	99
4) Vinyl Chloride	2.18	62	145233	43.782	ug/l	99
5) Bromomethane	2.53	94	90755	43.310	ug/l	100
6) Chloroethane	2.68	64	83283	43.302	ug/l	99
7) Trichlorofluoromethane	3.00	101	192131	45.370	ug/l	100
8) Diethyl Ether	3.40	74	75471	43.337	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	119433	46.428	ug/l	97
10) Methyl Iodide	3.94	142	182578	44.662	ug/l	99
11) Tert butyl alcohol	4.82	59	122358	232.122	ug/l	99
12) 1,1-Dichloroethene	3.72	96	118818	46.395	ug/l	94
13) Acrolein	3.60	56	32059	210.876	ug/l	99
14) Allyl chloride	4.31	41	180282	44.580	ug/l	98
15) Acrylonitrile	4.99	53	347300	270.656	ug/l	100
16) Acetone	3.82	43	282526	195.017	ug/l	98
17) Carbon Disulfide	4.04	76	260382	42.463	ug/l	100
18) Methyl Acetate	4.33	43	135733	47.670	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	383161	46.937	ug/l	99
20) Methylene Chloride	4.54	84	141205	47.309	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	126391	46.060	ug/l	95
22) Diisopropyl ether	5.96	45	386637	46.251	ug/l	97
23) Vinyl Acetate	5.90	43	1309983	198.990	ug/l	99
24) 1,1-Dichloroethane	5.84	63	227327	47.143	ug/l	99
25) 2-Butanone	6.84	43	461113	251.917	ug/l	100
26) 2,2-Dichloropropane	6.82	77	117977	31.354	ug/l	94
27) cis-1,2-Dichloroethene	6.83	96	172635	53.521	ug/l	93
28) Bromochloromethane	7.19	49	111472	48.883	ug/l	91
29) Tetrahydrofuran	7.22	42	299469	264.676	ug/l	99
30) Chloroform	7.37	83	239725	49.419	ug/l	99
31) Cyclohexane	7.65	56	196442	40.870	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	198015	48.883	ug/l	99
36) 1,1-Dichloropropene	7.79	75	165272	46.722	ug/l	98
37) Ethyl Acetate	6.94	43	151067	47.998	ug/l	99
38) Carbon Tetrachloride	7.77	117	176748	54.197	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	199567	45.289	ug/l	97
40) Benzene	8.04	78	536487	49.935	ug/l	100
41) Methacrylonitrile	7.18	41	87155	60.186	ug/l	99
42) 1,2-Dichloroethane	8.12	62	171791	49.710	ug/l	99
43) Isopropyl Acetate	8.17	43	241026	47.258	ug/l #	92
44) Trichloroethene	8.83	130	282751	91.589	ug/l	95
45) 1,2-Dichloropropane	9.12	63	139982	50.867	ug/l	99
46) Dibromomethane	9.21	93	95602	53.126	ug/l	93
47) Bromodichloromethane	9.40	83	181017	55.501	ug/l	98
48) Methyl methacrylate	9.20	41	134195	53.782	ug/l	96
49) 1,4-Dioxane	9.21	88	61302	1138.014	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	883512	277.014	ug/l	99
52) Toluene	10.16	92	335531	50.189	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	167634	44.134	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	195033	49.749	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	142408	53.776	ug/l	100
56) Ethyl methacrylate	10.43	69	204876	53.030	ug/l	98
57) 1,3-Dichloropropane	10.71	76	225644	52.415	ug/l	100
59) 2-Hexanone	10.75	43	621301	268.774	ug/l	99
60) Dibromochloromethane	10.90	129	160159	54.599	ug/l	100
61) 1,2-Dibromoethane	11.00	107	148085	54.700	ug/l	98
64) Tetrachloroethene	10.63	164	156813	48.265	ug/l	97
65) Chlorobenzene	11.43	112	377533	50.540	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146434	56.772	ug/l	99
67) Ethyl Benzene	11.51	91	636659	49.014	ug/l	98
68) m/p-Xylenes	11.62	106	494664	99.690	ug/l	97
69) o-Xylene	11.95	106	243426	49.873	ug/l	97
70) Stvrene	11.96	104	404962	52.219	ug/l	99
71) Bromoform	12.13	173	125653	57.585	ug/l #	99
73) Isopropylbenzene	12.25	105	636991	50.964	ug/l	99
74) N-amyl acetate	12.07	43	180950	38.677	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	201232	49.391	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	158733m	49.152	ug/l	
77) Bromobenzene	12.53	156	184130	49.002	ug/l	91
78) n-propylbenzene	12.59	91	671574	45.230	ug/l	98
79) 2-Chlorotoluene	12.67	91	413318	50.196	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	526177	44.590	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	42541	43.868	ug/l	90
82) 4-Chlorotoluene	12.77	91	398937	45.925	ug/l	97
83) tert-Butylbenzene	12.99	119	469910	51.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	518731	46.355	ug/l	99
85) sec-Butylbenzene	13.17	105	596490	45.363	ug/l	98
86) p-Isopropyltoluene	13.29	119	542567	46.105	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	288418	49.593	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	272201	48.656	ug/l	99
89) n-Butylbenzene	13.61	91	377343	43.285	ug/l	99
90) Hexachloroethane	13.87	117	93194	52.512	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	290027	49.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31488	54.034	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	139231	43.626	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	116038	57.952	ug/l	99
95) Naphthalene	15.13	128	354558	42.834	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	159221	48.390	ug/l	99

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

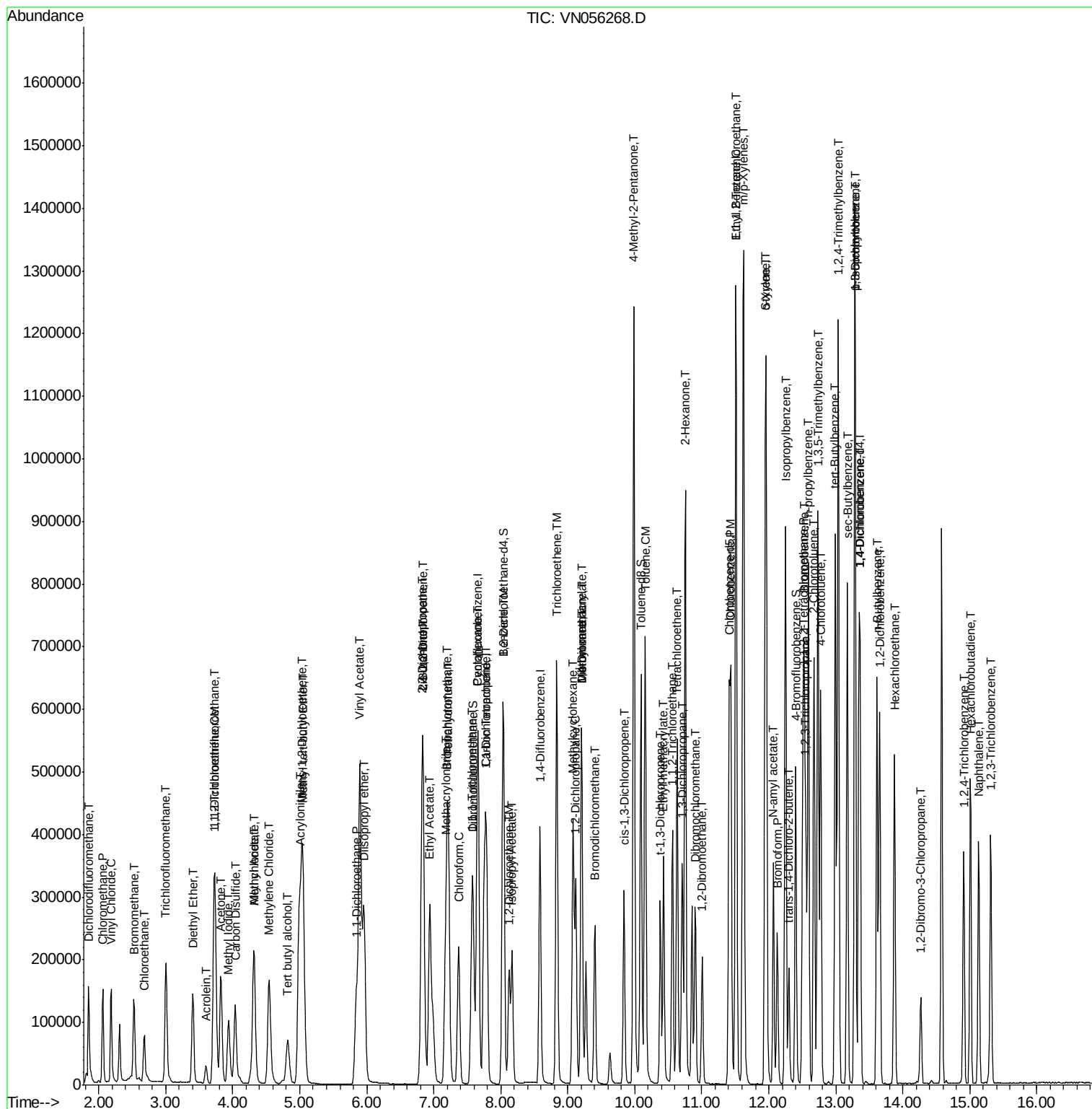
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Data File : VN056268.D
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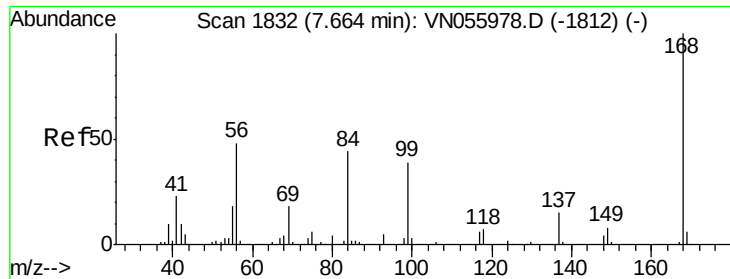
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion:168 Resp: 305071

Ion Ratio Lower Upper

168 100

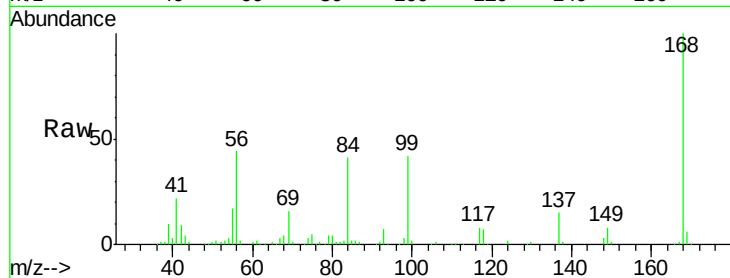
99 41.8 37.2 55.8

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

7.66

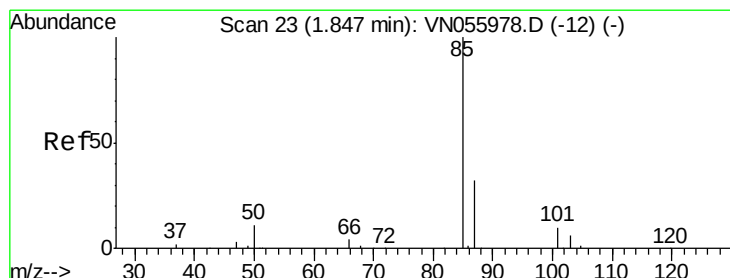
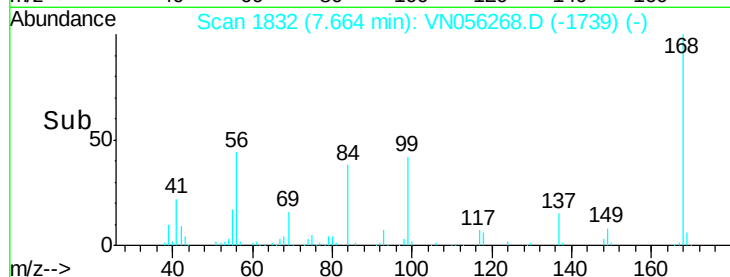
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 41.605 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056268.D

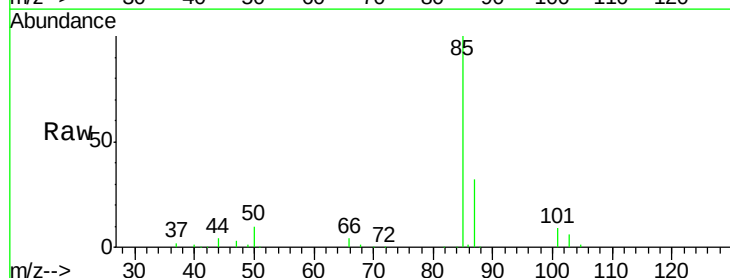
Acq: 12 Jun 2019 22:59

Tgt Ion: 85 Resp: 139240

Ion Ratio Lower Upper

85 100

87 32.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

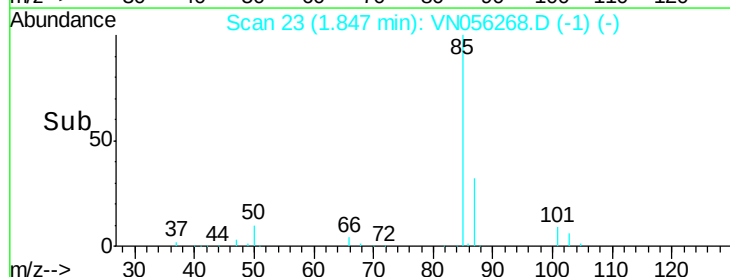
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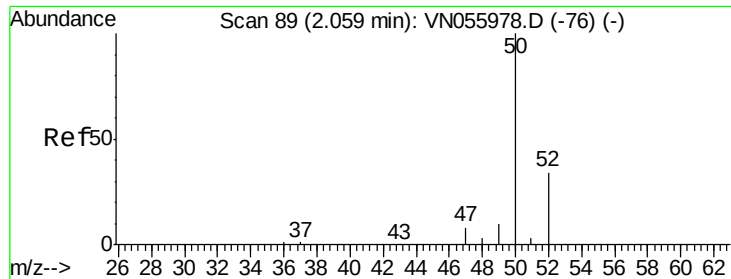
40000

20000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 43.539 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 50 Resp: 143982

Ion Ratio Lower Upper

50 100

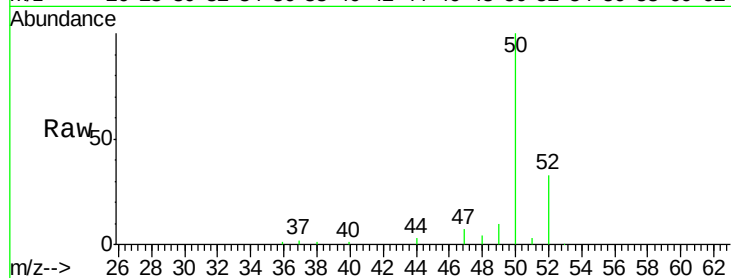
52 32.9 26.6 40.0

Manual Integrations

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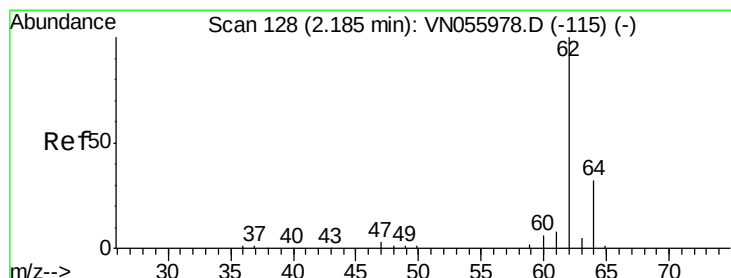
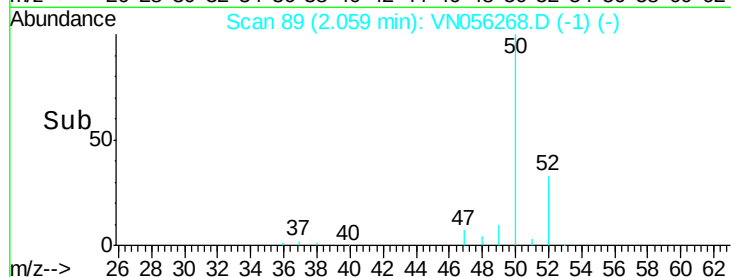
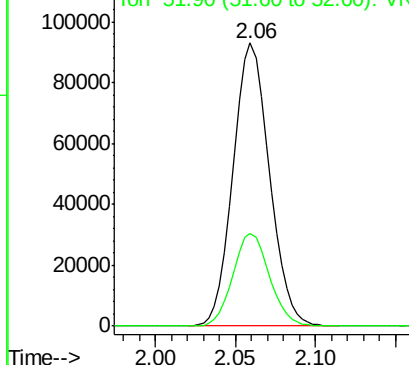
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.782 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056268.D

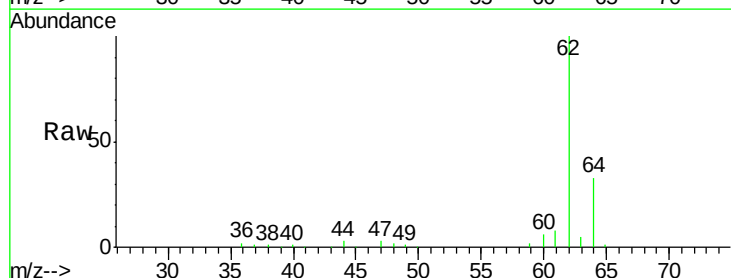
Acq: 12 Jun 2019 22:59

Tgt Ion: 62 Resp: 145233

Ion Ratio Lower Upper

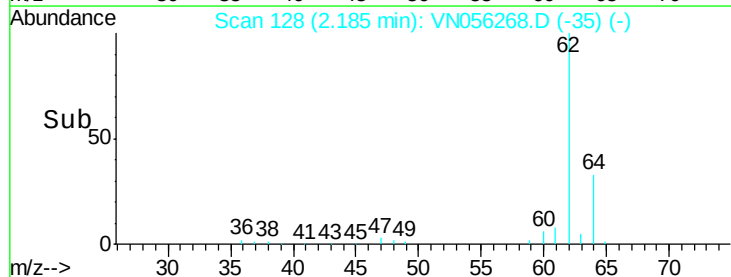
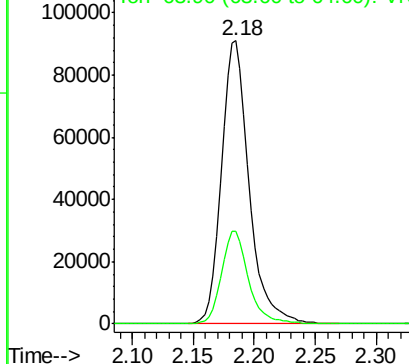
62 100

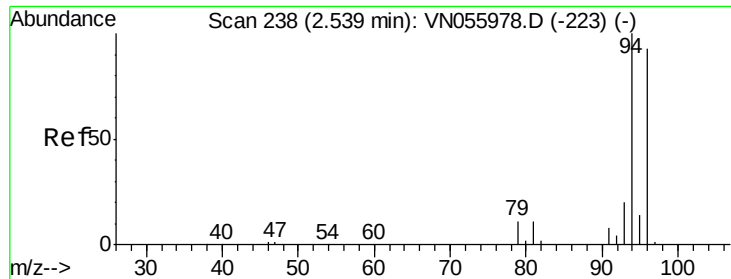
64 32.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





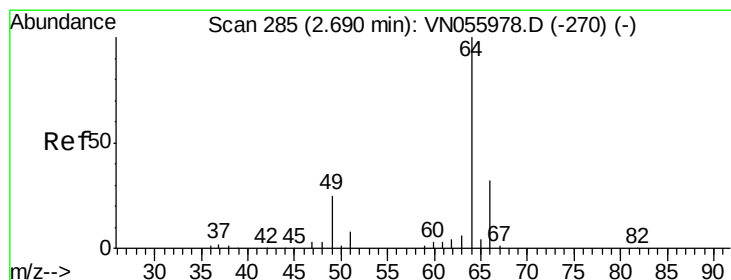
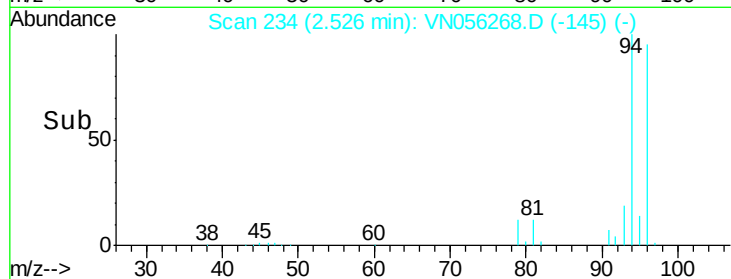
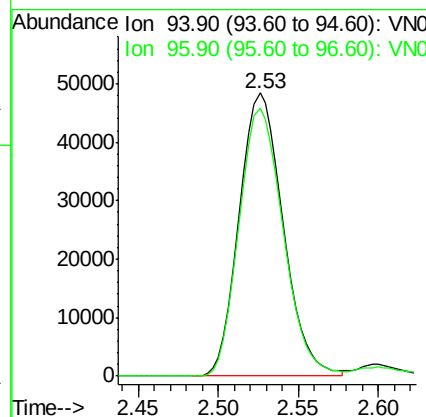
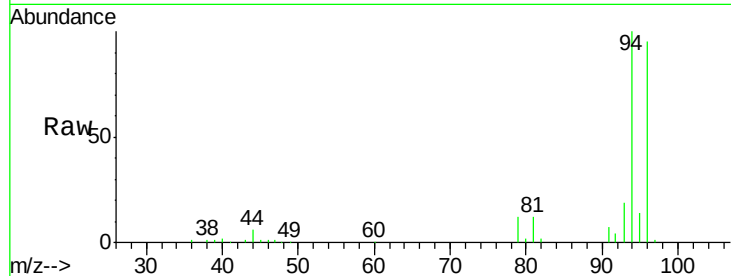
#5
Bromomethane
Concen: 43.310 ug/l
RT: 2.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

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Tot Ion	94	Resp	90755
Ion Ratio	100	Lower	Upper
96	94.5	75.5	113.3

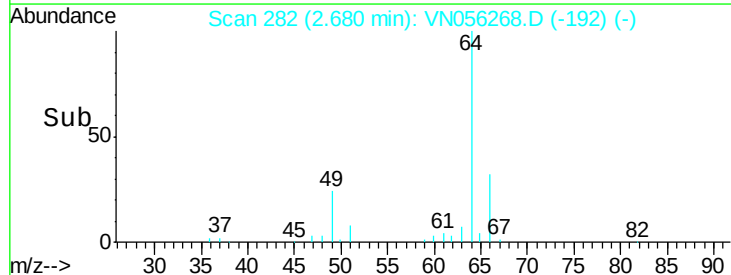
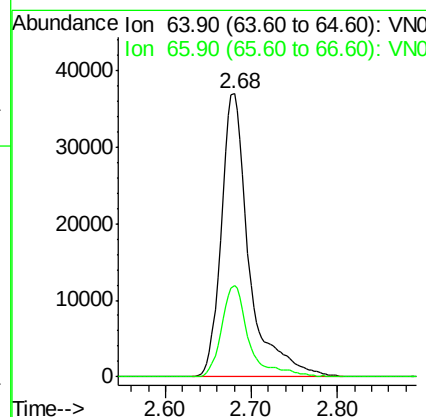
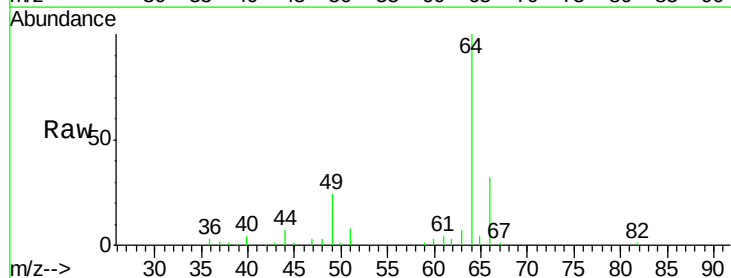
Manual Integrations
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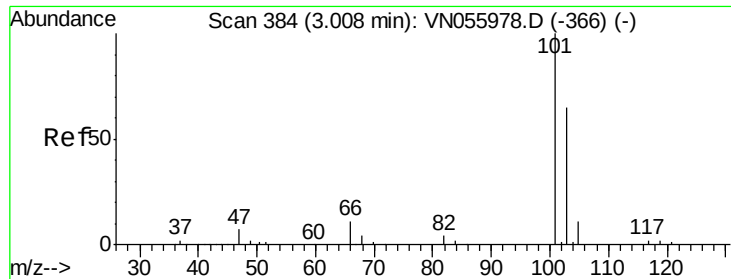
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6/13/2019 11:08:59 AM



#6
Chloroethane
Concen: 43.302 ug/l
RT: 2.68 min Scan# 282
Delta R.T. -0.01 min
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Acq: 12 Jun 2019 22:59

Tgt Ion	64	Resp	83283
Ion Ratio	100	Lower	Upper
66	32.2	25.4	38.0





#7

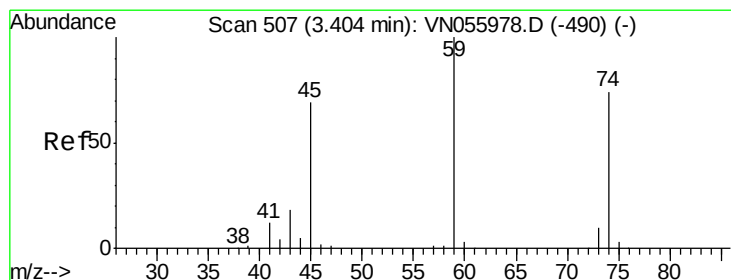
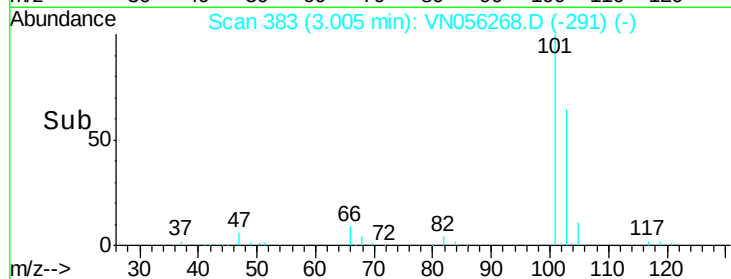
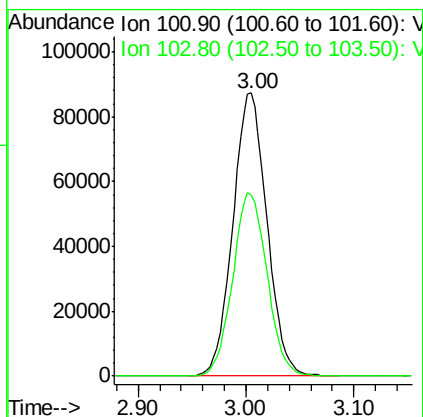
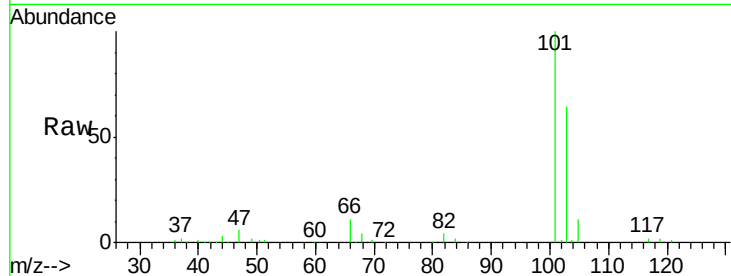
Trichlorofluoromethane
Concen: 45.370 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.2	76.8

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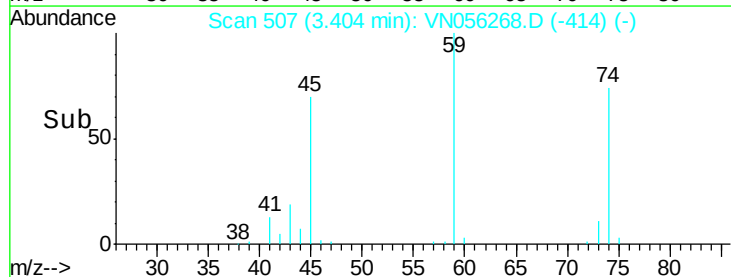
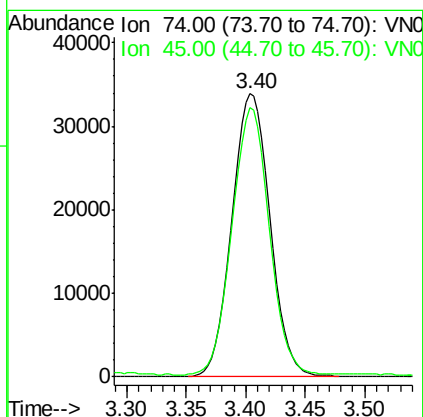
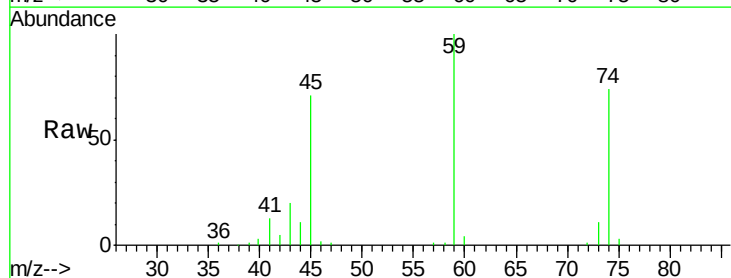
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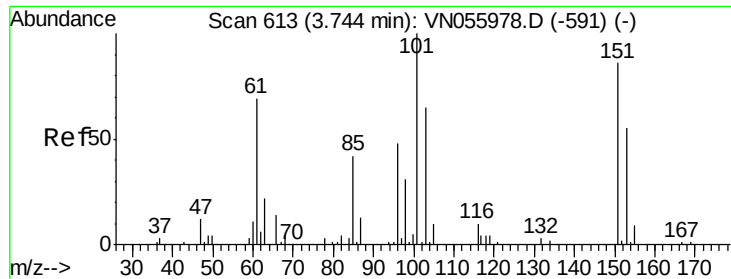


#8

Diethyl Ether
Concen: 43.337 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.428 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

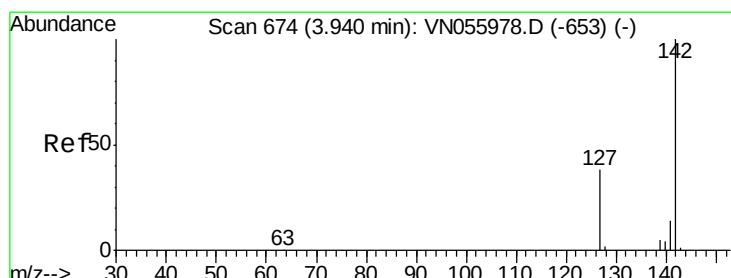
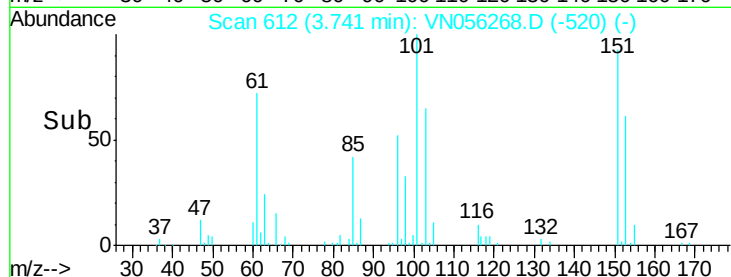
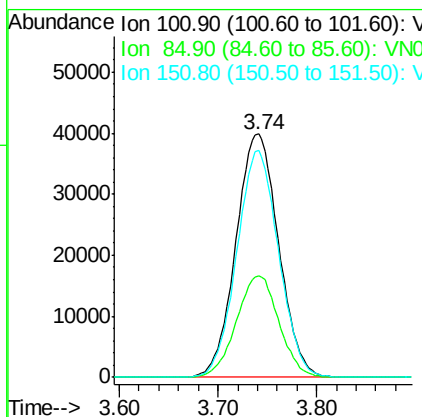
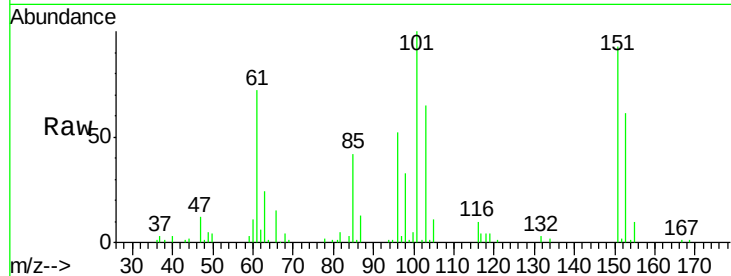
ClientSampleId :

RE104D2-20190607MSD

Tot Ion:	101	Resp:	119433
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.2
151	91.4	69.4	104.2

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#10

Methyl Iodide

Concen: 44.662 ug/l

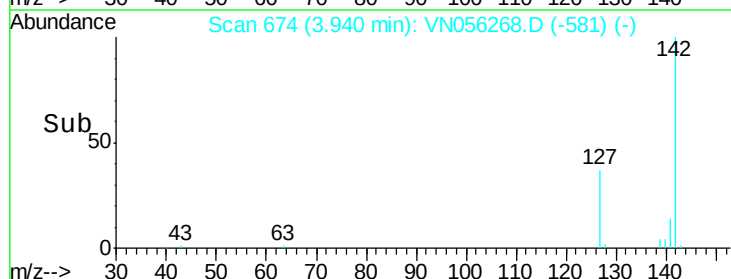
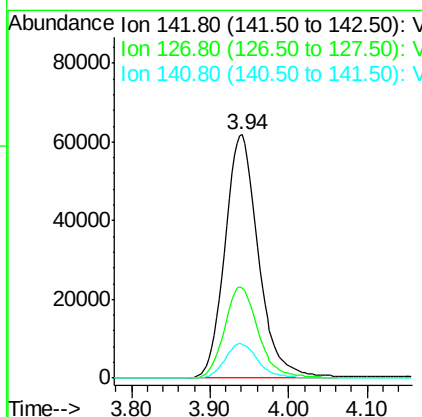
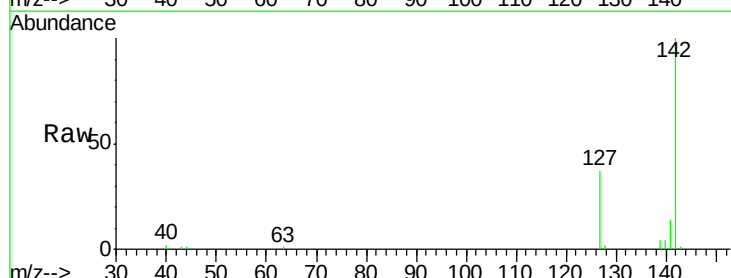
RT: 3.94 min Scan# 674

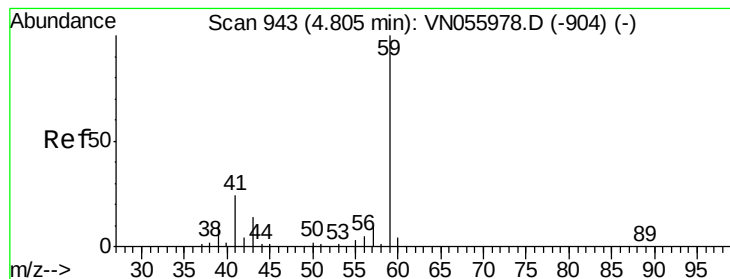
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion:	142	Resp:	182578
Ion Ratio	Lower	Upper	
142	100		
127	37.9	31.0	46.4
141	13.9	11.4	17.0





#11

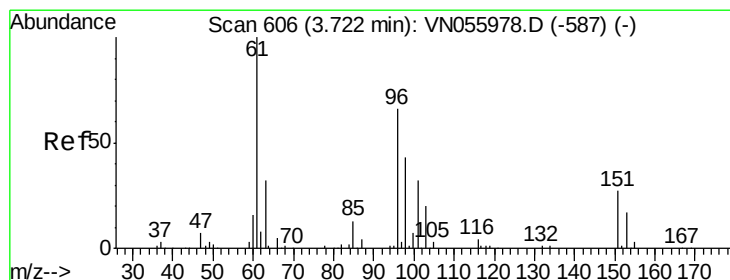
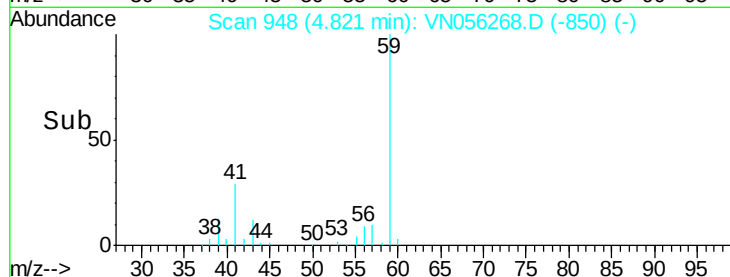
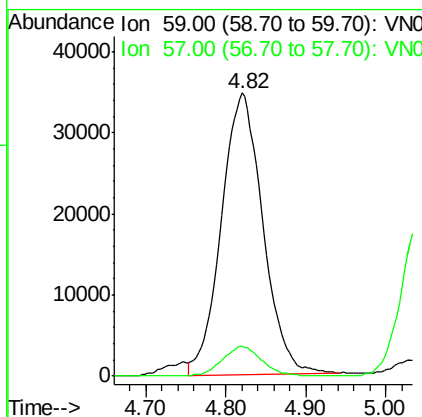
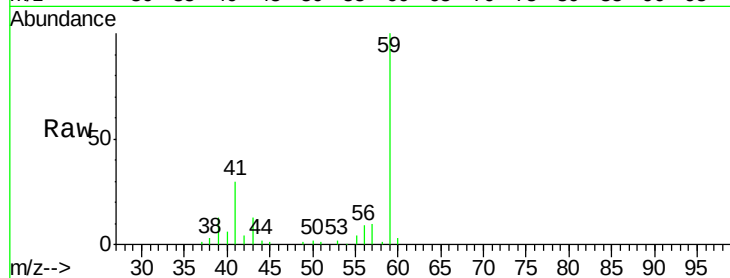
Tert butyl alcohol
Concen: 232.122 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.02 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	122358		
57	10.1		7.8	11.6

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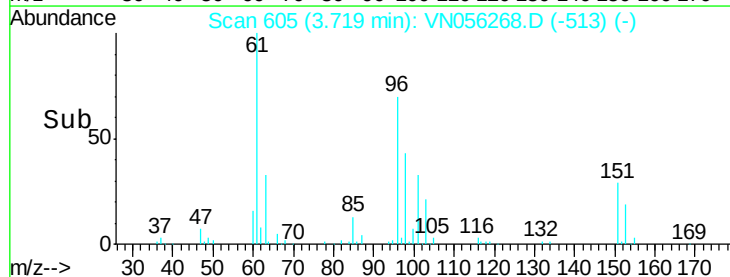
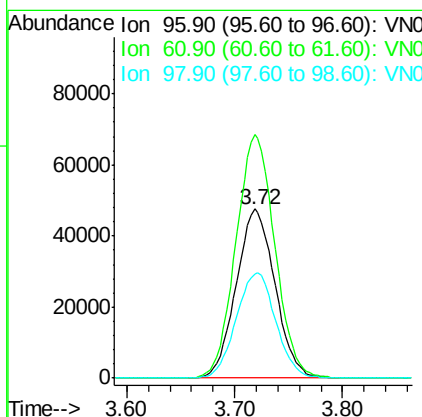
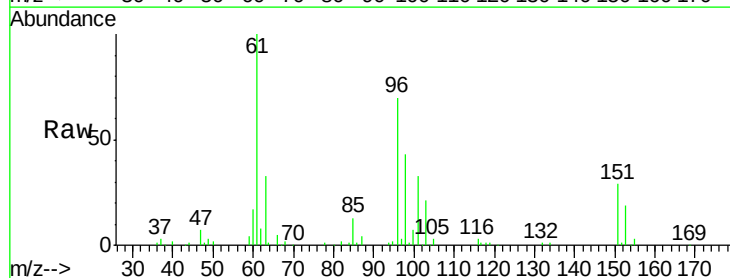
MMDadoda
6/13/2019 11:08:59 AM

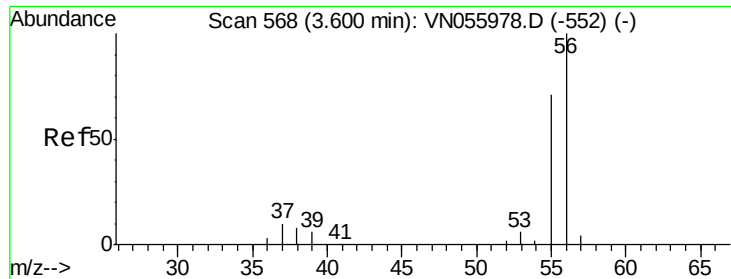


#12

1,1-Dichloroethene
Concen: 46.395 ug/l
RT: 3.72 min Scan# 605
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118818		
61	143.8		123.2	184.8
98	61.7		50.4	75.6





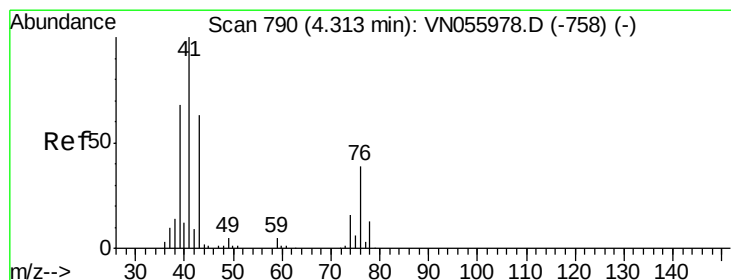
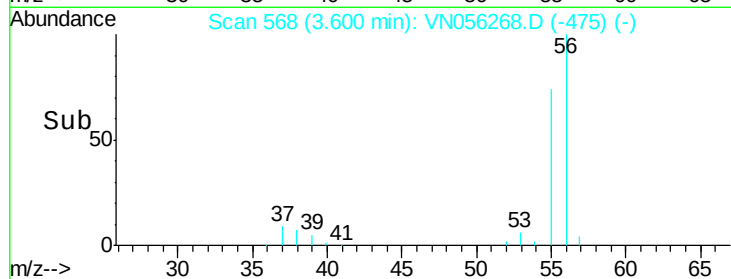
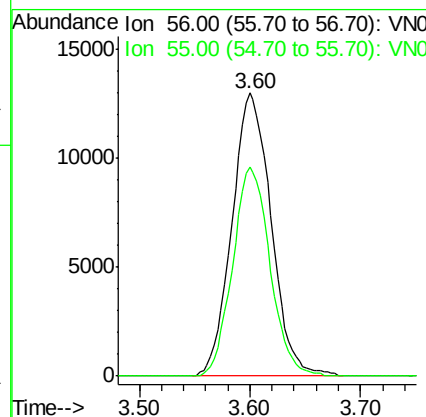
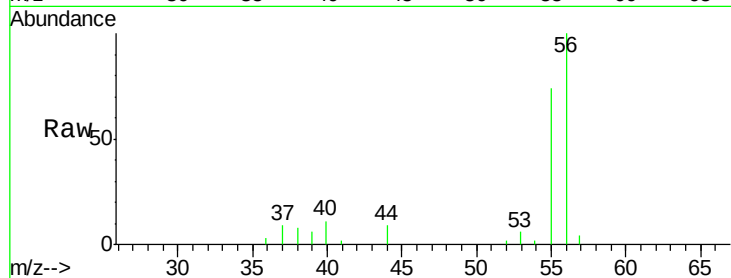
#13
Acrolein
Concen: 210.876 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.4	83.2

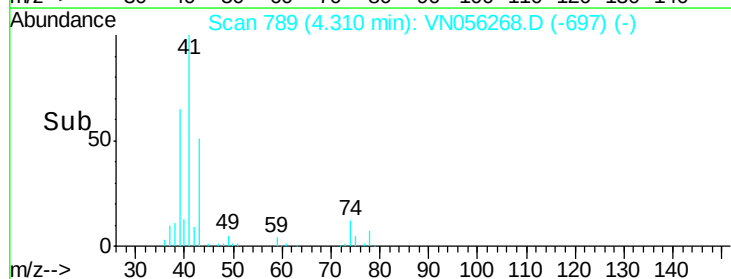
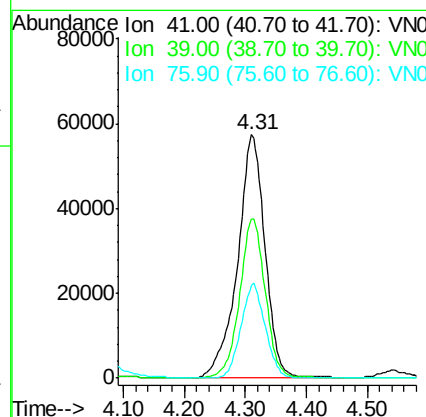
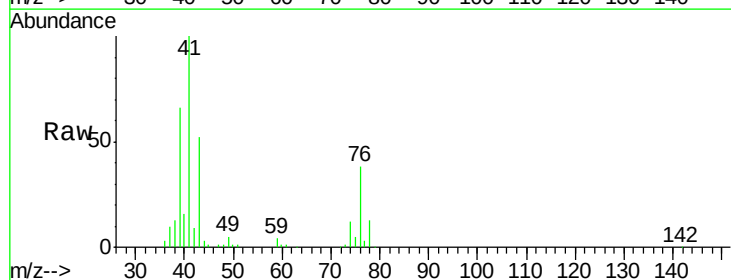
Manual Integrations
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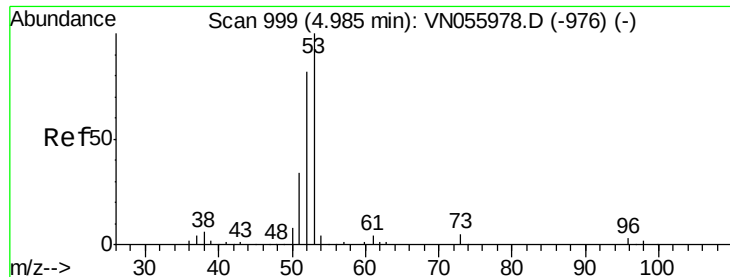
MMDadoda
6/13/2019 11:08:59 AM



#14
Allyl chloride
Concen: 44.580 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.1	50.0	75.0
76	34.2	28.2	42.2





#15

Acrylonitrile

Concen: 270.656 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

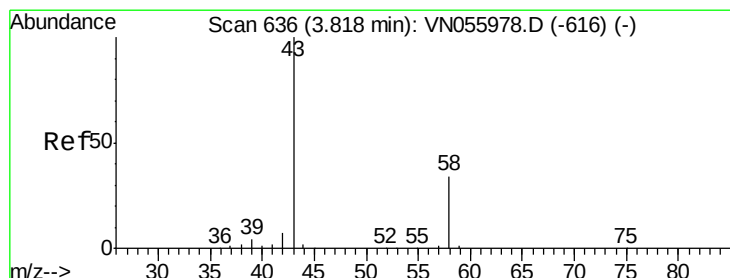
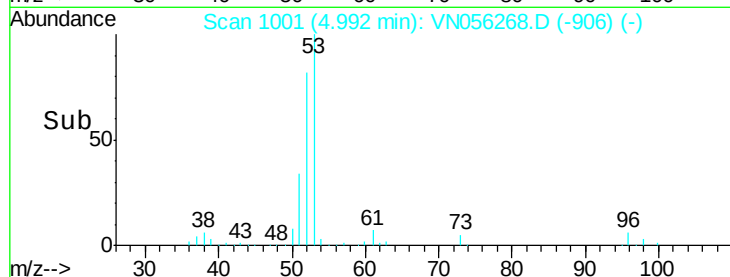
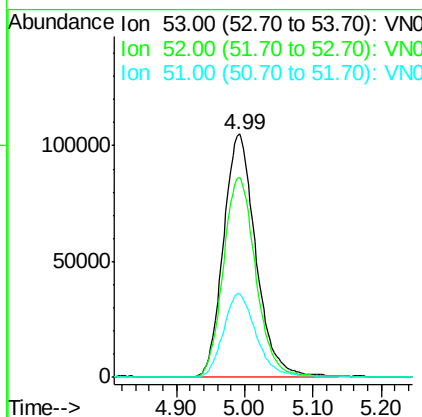
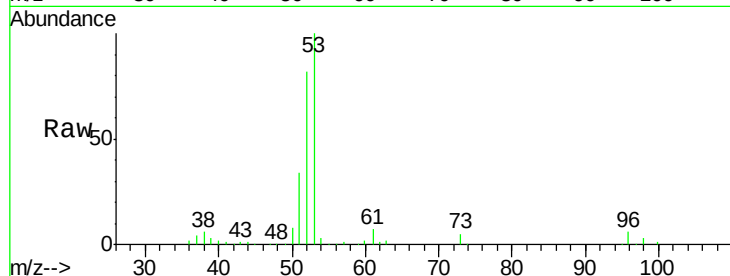
ClientSampleId :

RE104D2-20190607MSD

Tot Ion:	53	Resp:	347300
Ion Ratio	Lower	Upper	
53	100		
52	82.4	65.8	98.8
51	34.9	28.2	42.4

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#16

Acetone

Concen: 195.017 ug/l

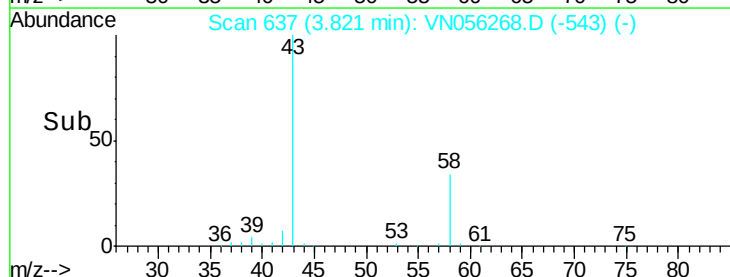
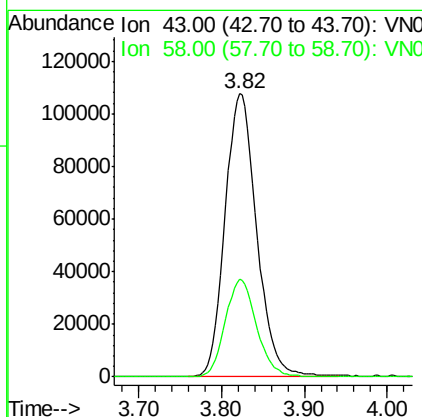
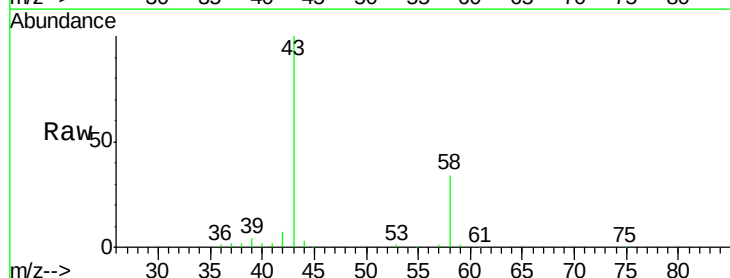
RT: 3.82 min Scan# 637

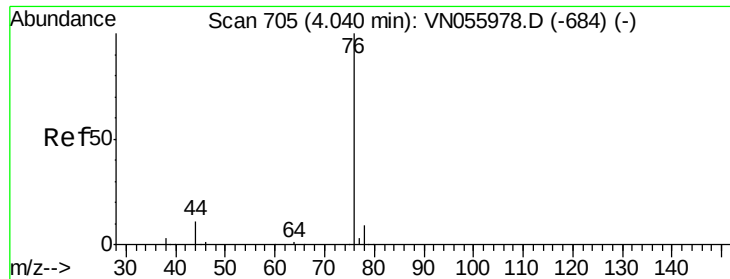
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion:	43	Resp:	282526
Ion Ratio	Lower	Upper	
43	100		
58	34.5	26.6	39.8





#17

Carbon Disulfide

Concen: 42.463 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 76 Resp: 260382

Ion Ratio Lower Upper

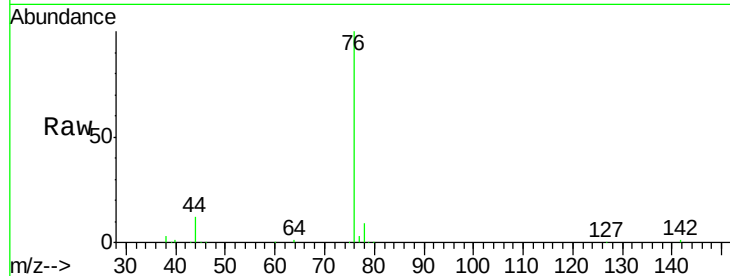
76 100

78 9.3 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.04

100000

80000

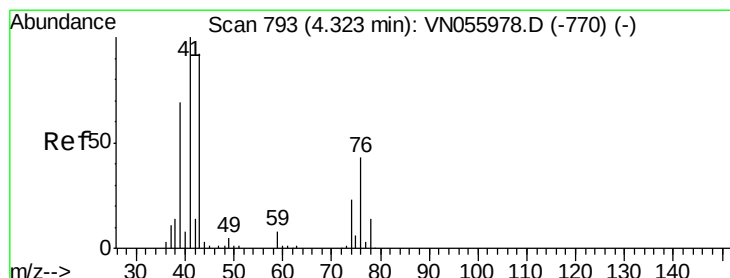
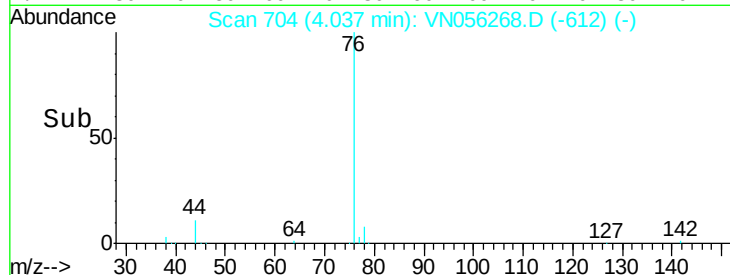
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 47.670 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056268.D

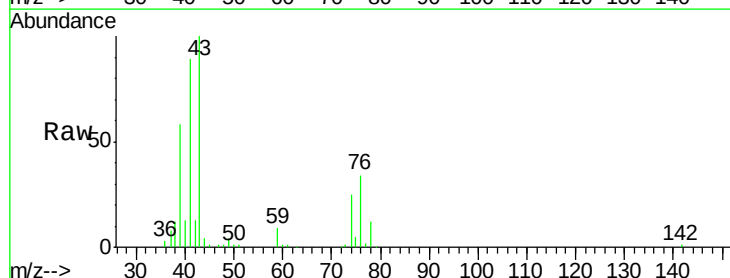
Acq: 12 Jun 2019 22:59

Tgt Ion: 43 Resp: 135733

Ion Ratio Lower Upper

43 100

74 24.9 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.33

50000

40000

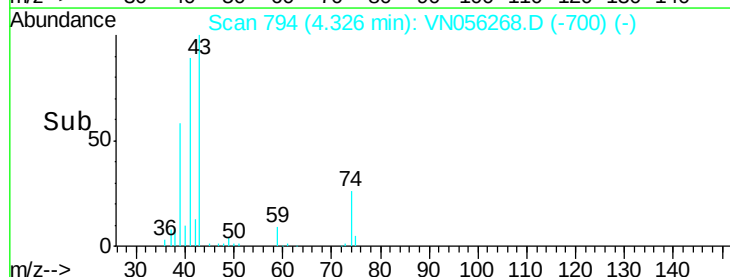
30000

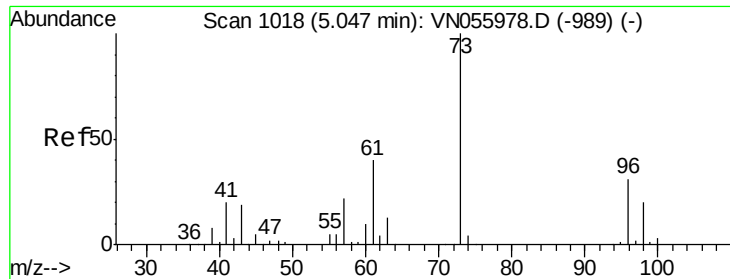
20000

10000

0

Time-->





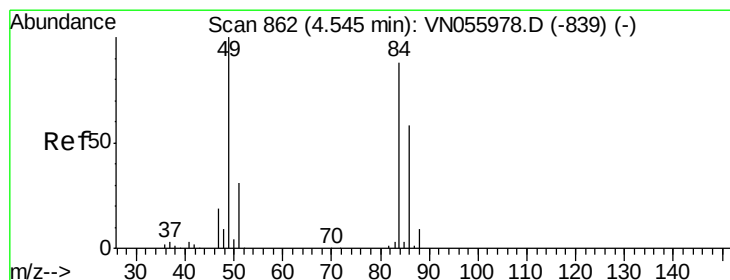
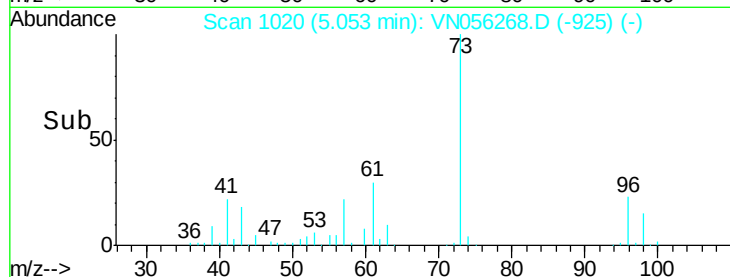
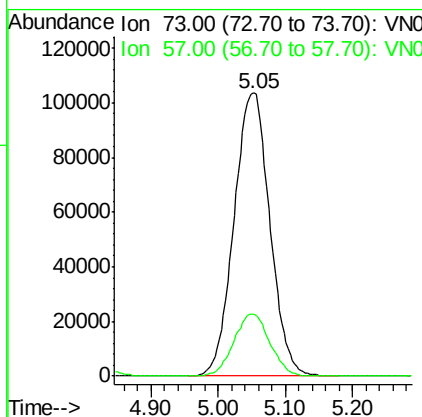
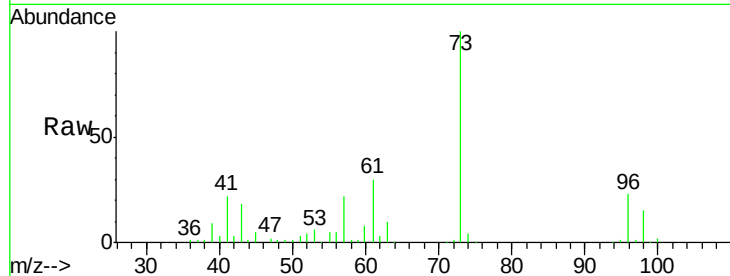
#19
Methvl tert-butyl Ether
Concen: 46.937 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 73 Resp: 383161
Ion Ratio Lower Upper
73 100
57 21.7 17.8 26.8

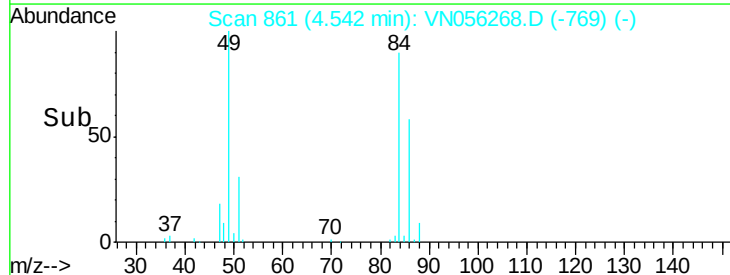
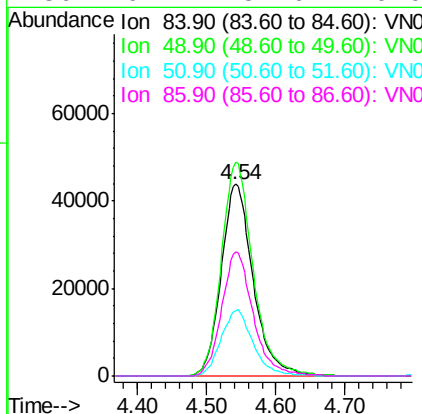
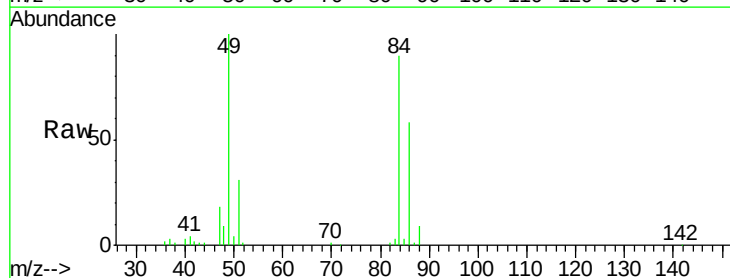
Manual Integrations
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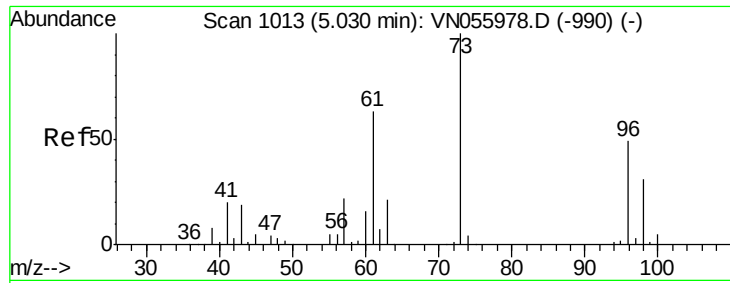
MMDadoda
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#20
Methylene Chloride
Concen: 47.309 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 84 Resp: 141205
Ion Ratio Lower Upper
84 100
49 111.3 93.5 140.3
51 34.3 28.6 43.0
86 64.7 52.6 79.0





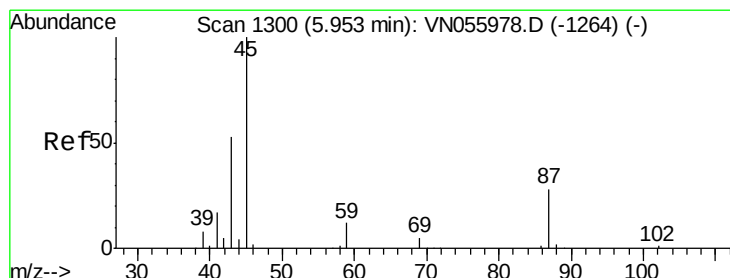
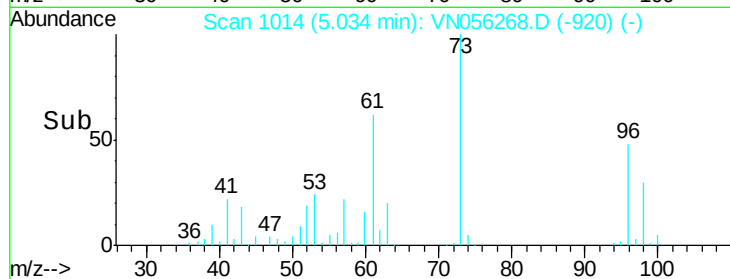
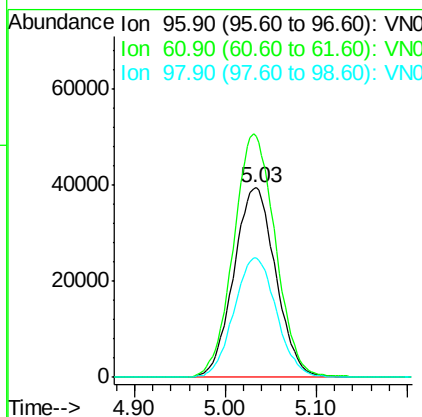
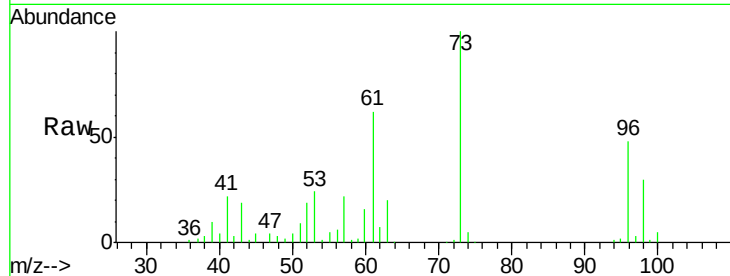
#21
trans-1,2-Dichloroethene
Concen: 46.060 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.3	107.8	161.8
98	62.9	49.8	74.8

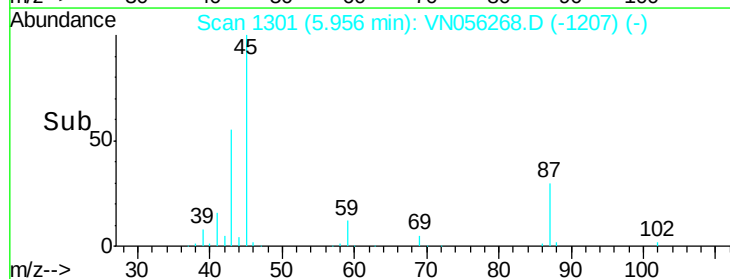
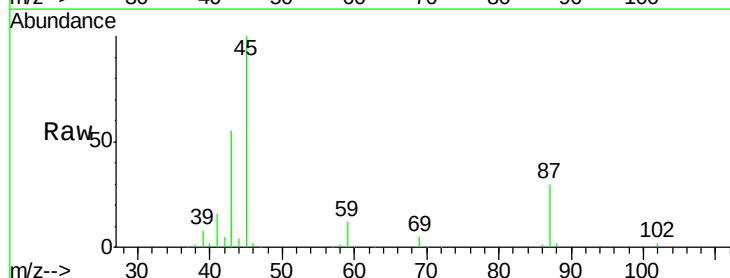
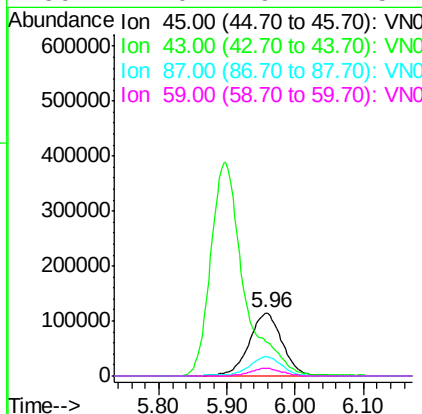
Manual Integrations
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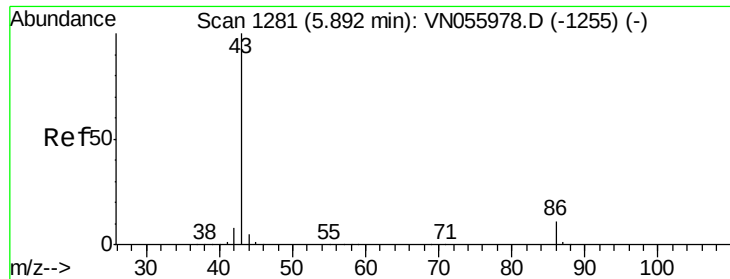
MMDadoda
6/13/2019 11:08:59 AM



#22
Diisopropyl ether
Concen: 46.251 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.9	45.0	67.6
87	30.0	22.2	33.4
59	12.0	9.1	13.7





#23

Vinyl Acetate

Concen: 198.990 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 43 Resp: 1309983

Ion Ratio Lower Upper

43 100

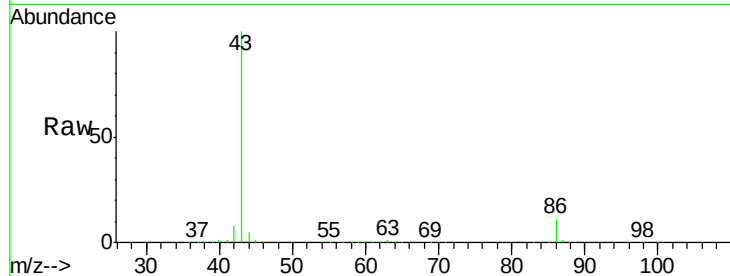
86 11.2 8.6 13.0

Manual Integrations

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MMDadoda

6/13/2019 11:08:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055978.D (-1255) (-)

5.90

400000

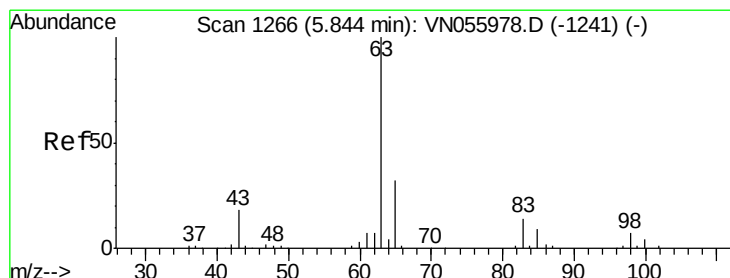
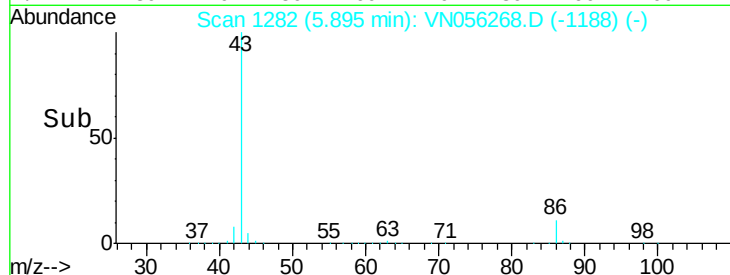
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.143 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

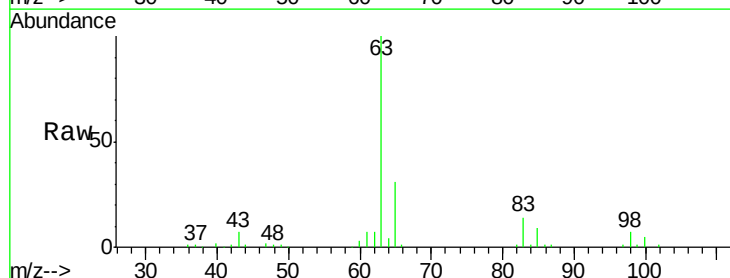
Tgt Ion: 63 Resp: 227327

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.1

100 4.6 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN055978.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055978.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055978.D (-1241) (-)

5.84

100000

80000

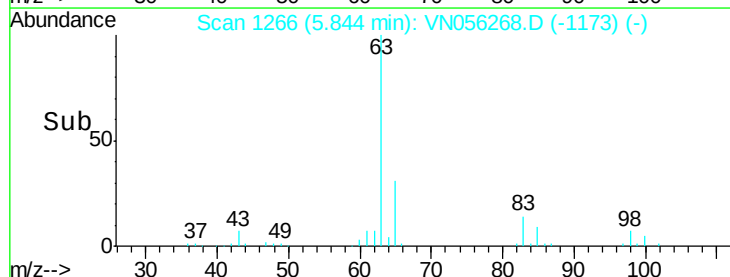
60000

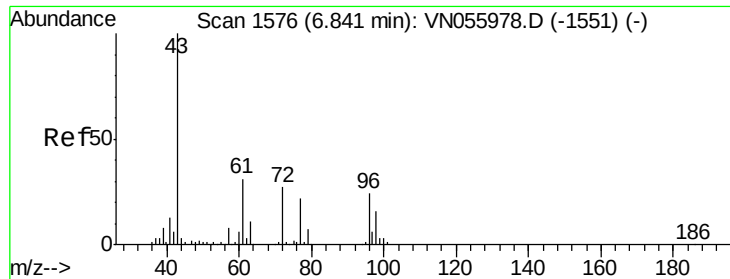
40000

20000

0

Time-->





#25

2-Butanone

Concen: 251.917 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 43 Resp: 461113

Ion Ratio Lower Upper

43 100

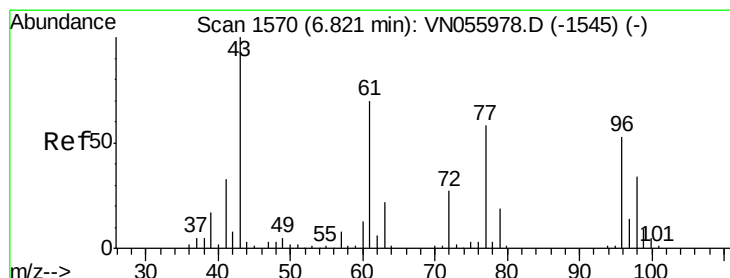
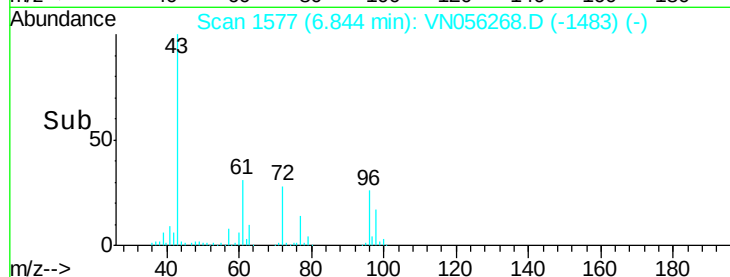
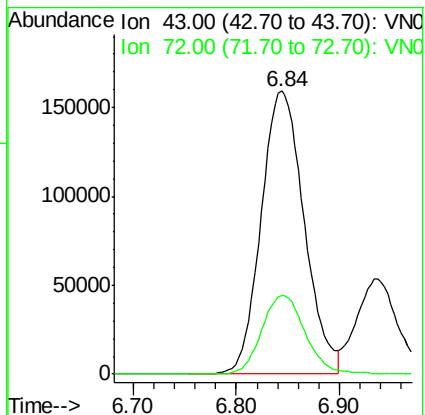
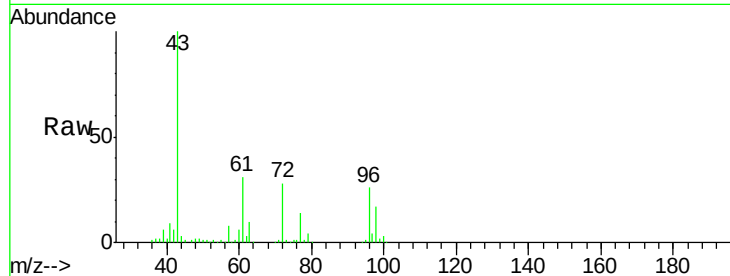
72 27.7 21.9 32.9

Manual Integrations

APPROVED

MMDadoda

6/13/2019 11:08:59 AM



#26

2,2-Dichloropropane

Concen: 31.354 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056268.D

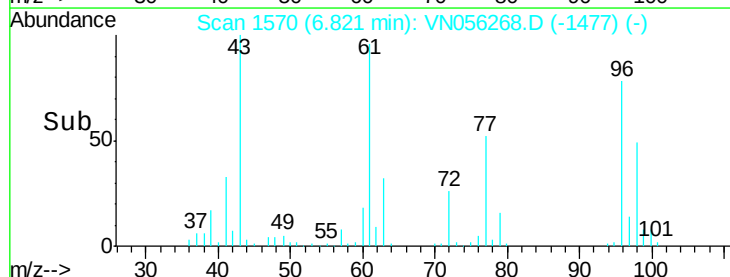
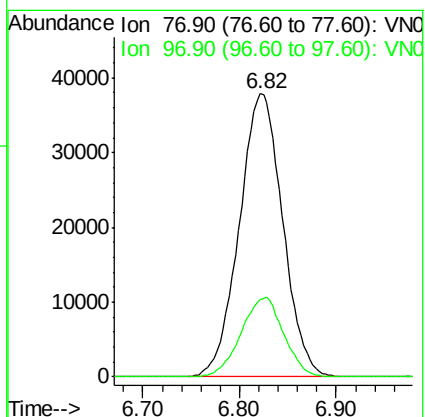
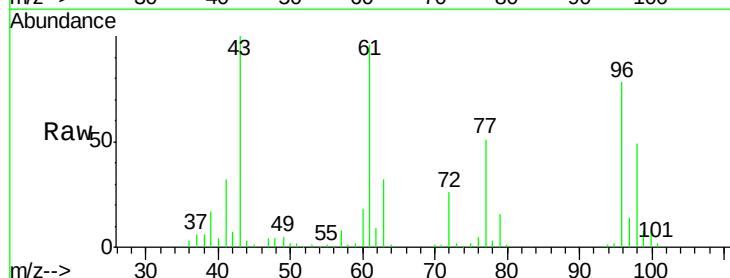
Acq: 12 Jun 2019 22:59

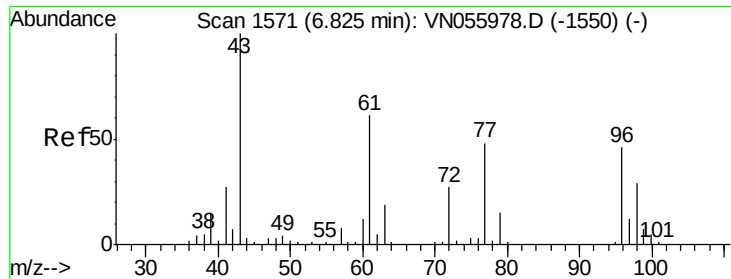
Tgt Ion: 77 Resp: 117977

Ion Ratio Lower Upper

77 100

97 27.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 53.521 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

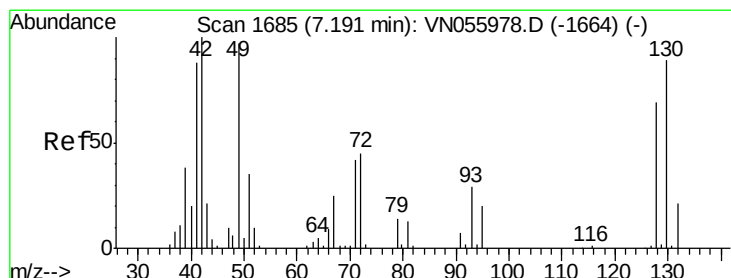
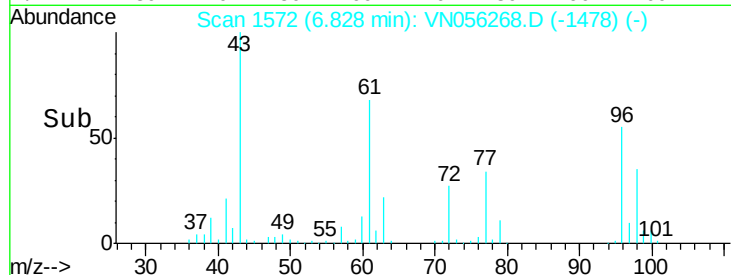
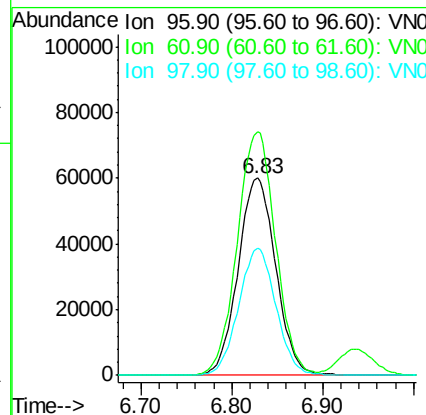
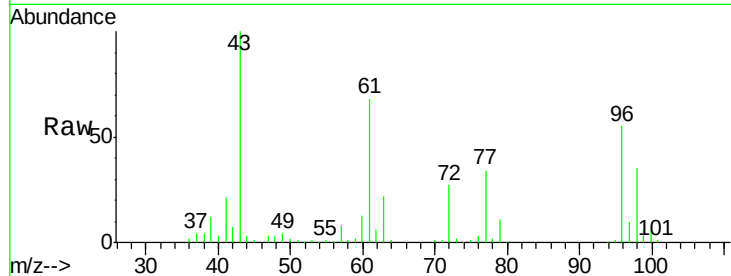
ClientSampleId :

RE104D2-20190607MSD

Tot Ion:	96	Resp:	172635
Ion	Ratio	Lower	Upper
96	100		
61	125.7	0.0	275.8
98	63.8	0.0	128.4

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#28

Bromochloromethane

Concen: 48.883 ug/l

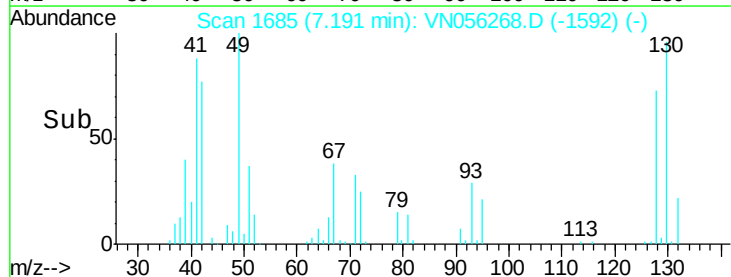
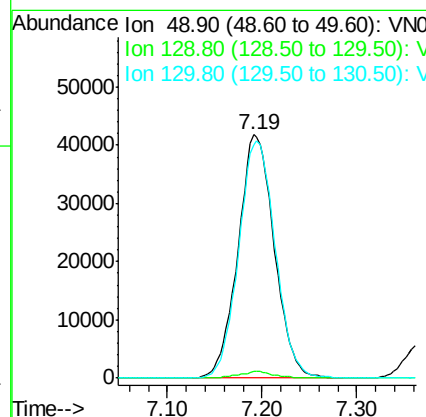
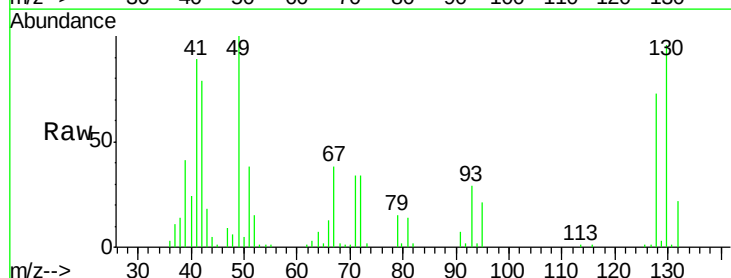
RT: 7.19 min Scan# 1685

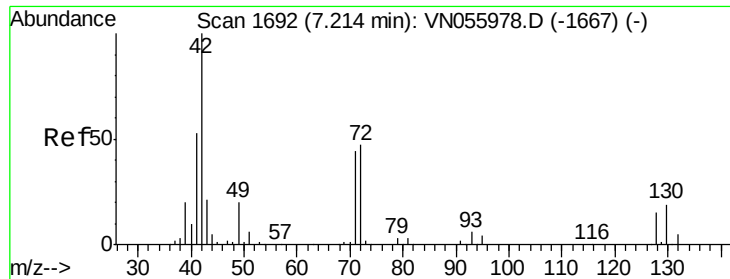
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion:	49	Resp:	111472
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	98.0	71.2	106.8





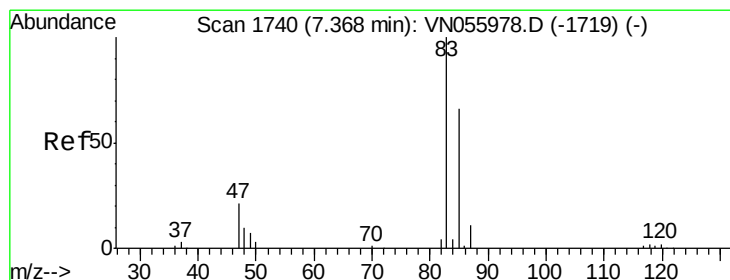
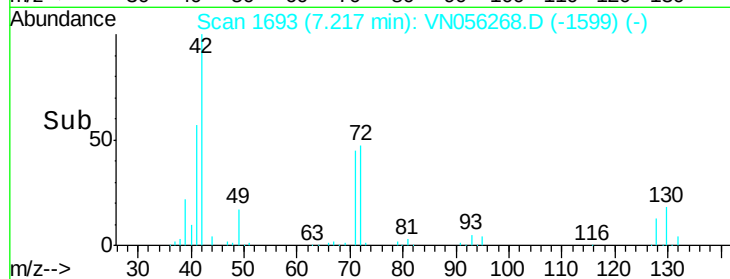
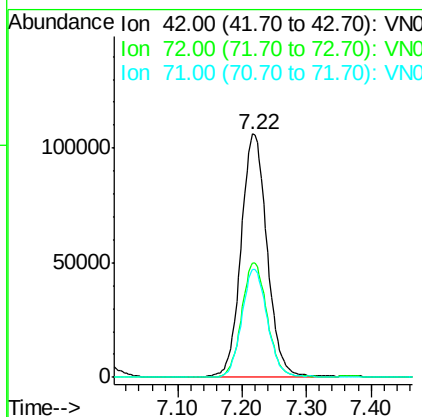
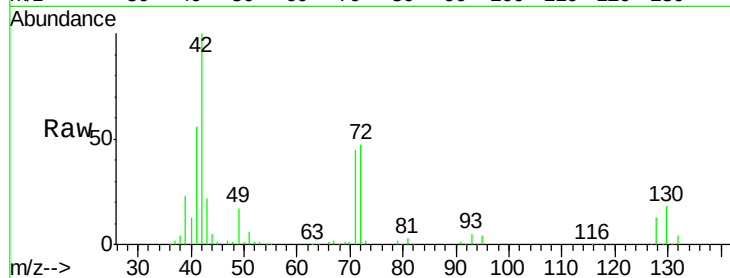
#29
Tetrahydrofuran
Concen: 264.676 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.9	35.9	53.9
71	43.3	34.0	51.0

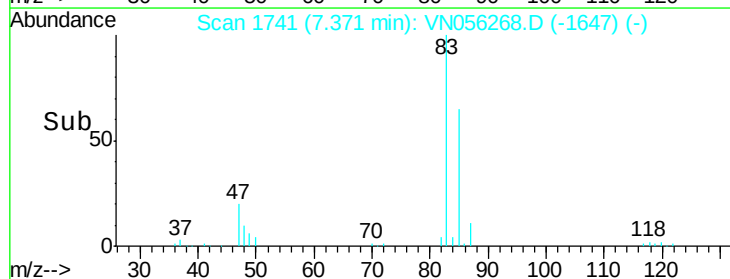
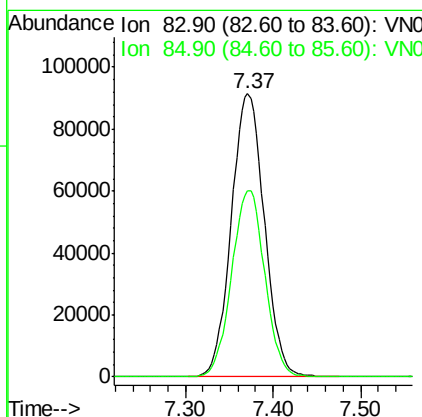
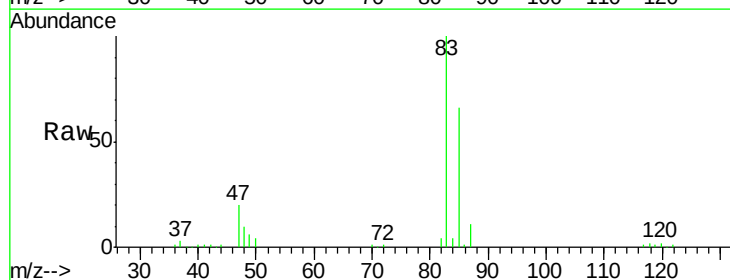
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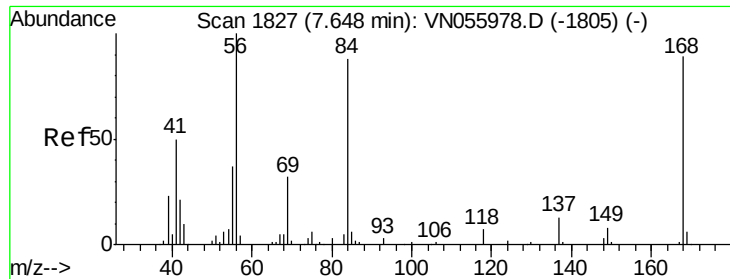
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#30
Chloroform
Concen: 49.419 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.8	77.8





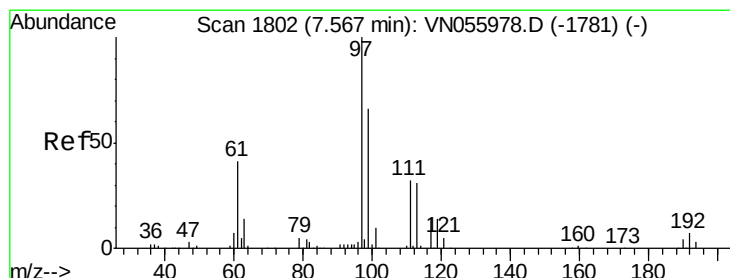
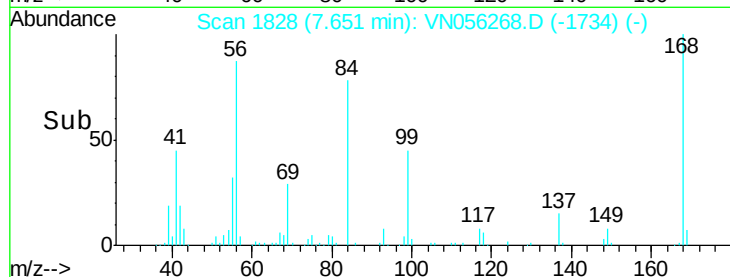
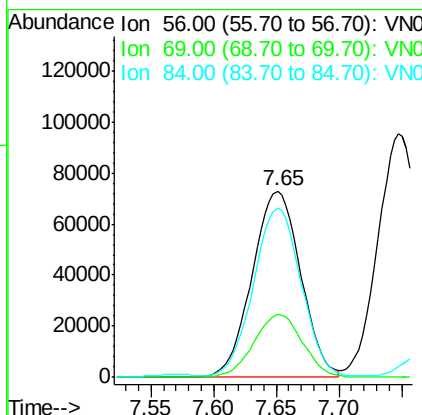
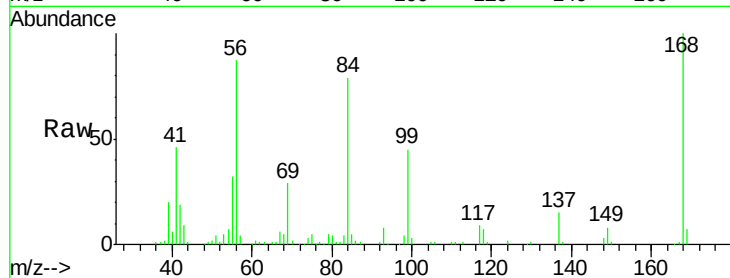
#31
Cyclohexane
Concen: 40.870 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	25.6	38.4
84	89.7	67.4	101.0

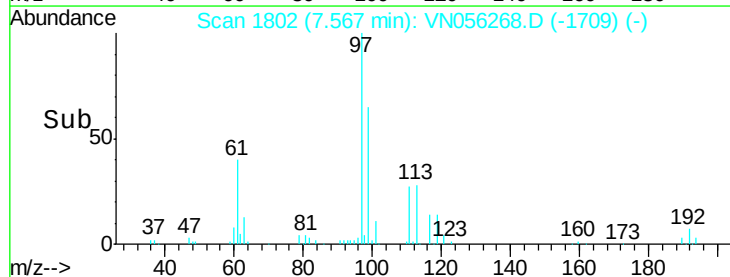
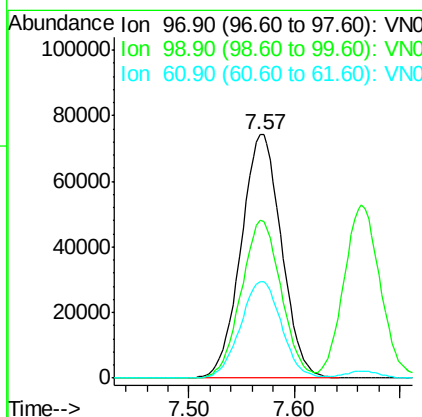
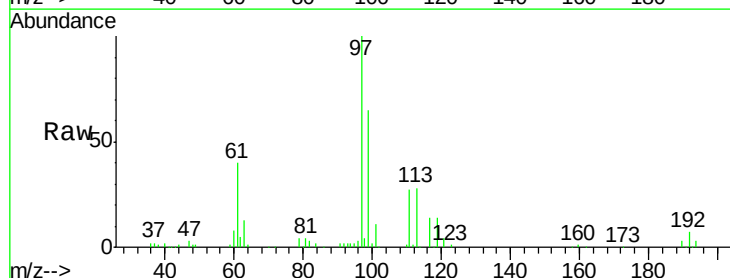
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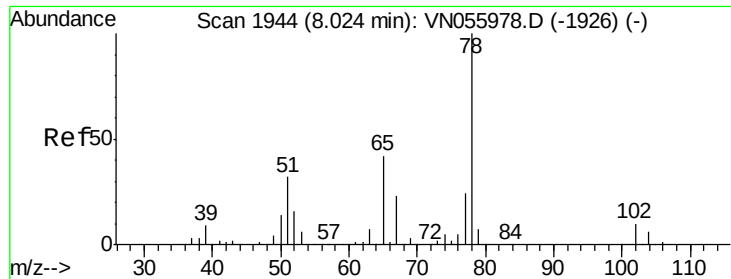
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6/13/2019 11:08:59 AM



#32
1,1,1-Trichloroethane
Concen: 48.883 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	40.1	32.9	49.3





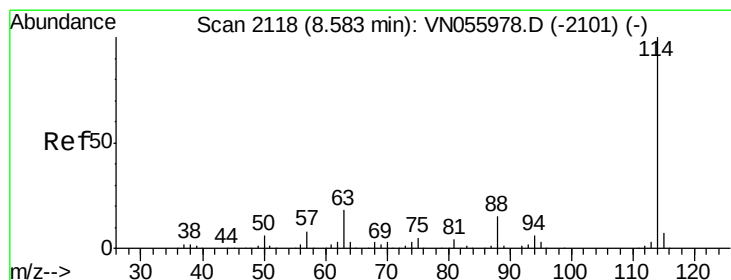
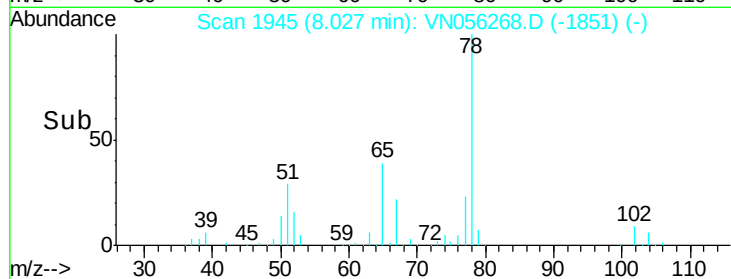
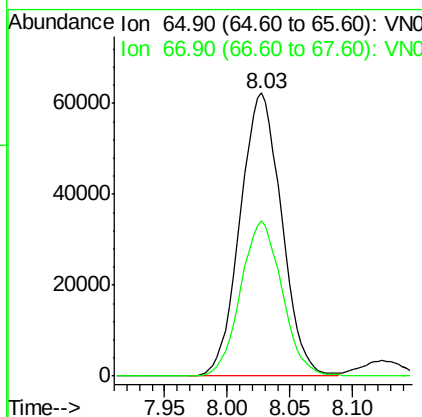
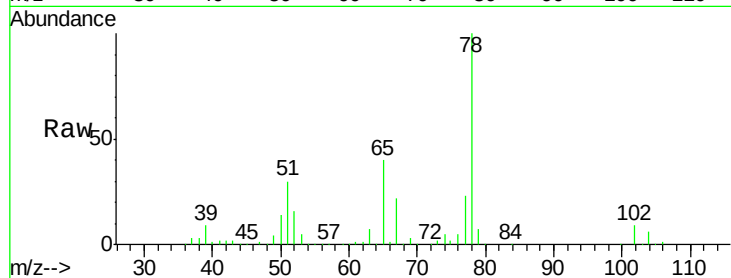
#33
 1,2-Dichloroethane-d4
 Concen: 47.443 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	109.2	

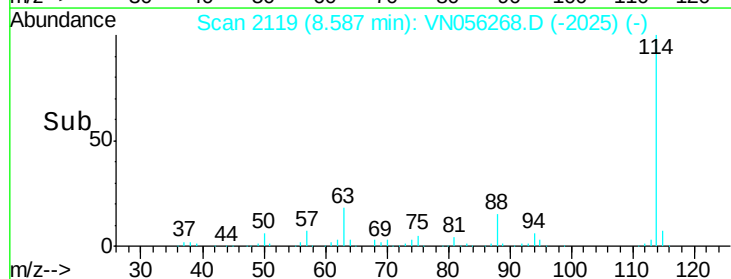
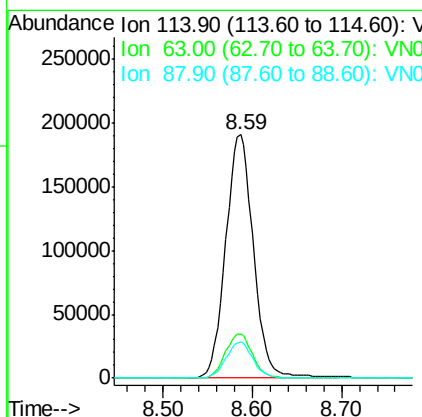
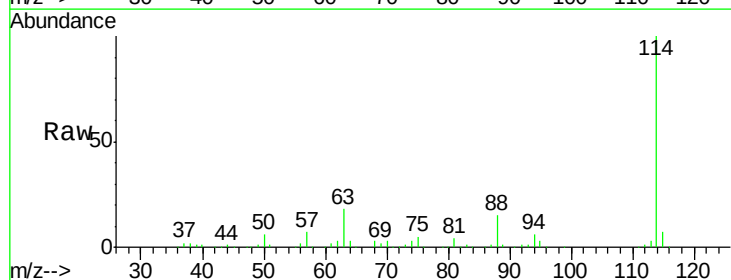
Manual Integrations
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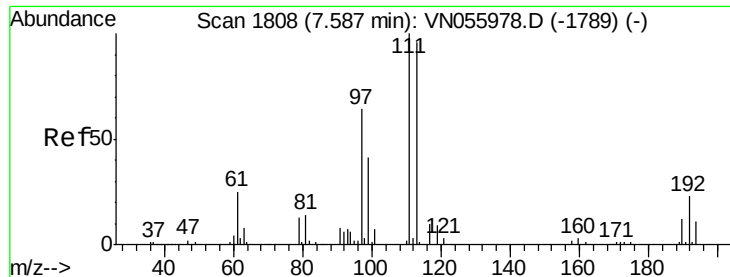
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	39.2	
88	14.9	0.0	31.0	





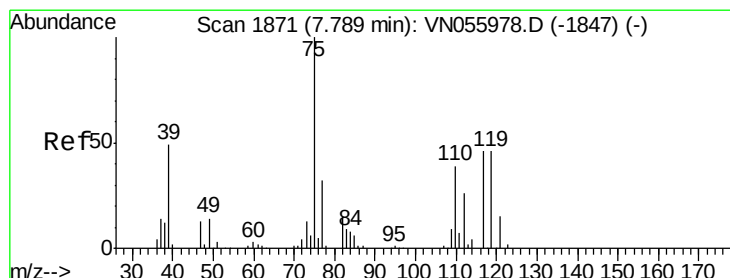
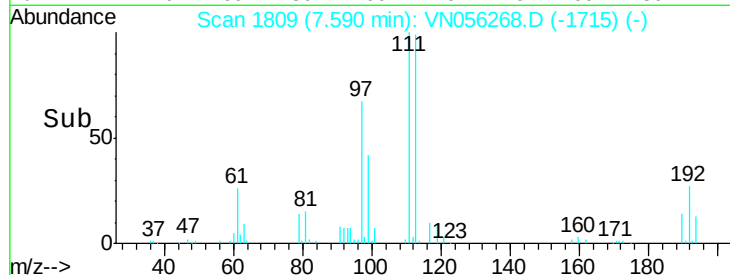
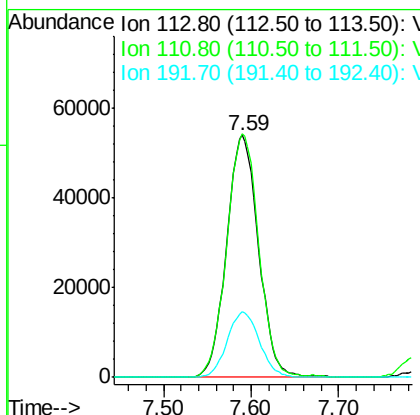
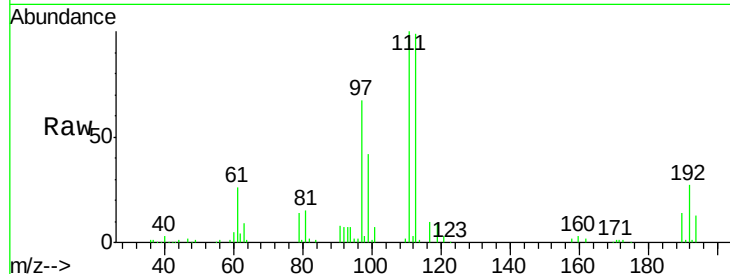
#35
 Dibromofluoromethane
 Concen: 54.331 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137130		
111	100.6	81.9	122.9	
192	27.2	19.5	29.3	

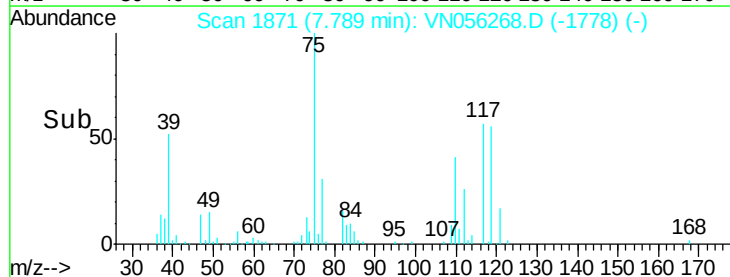
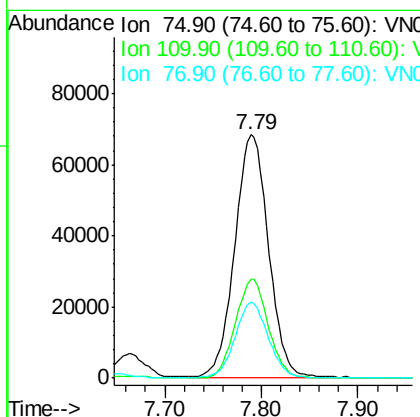
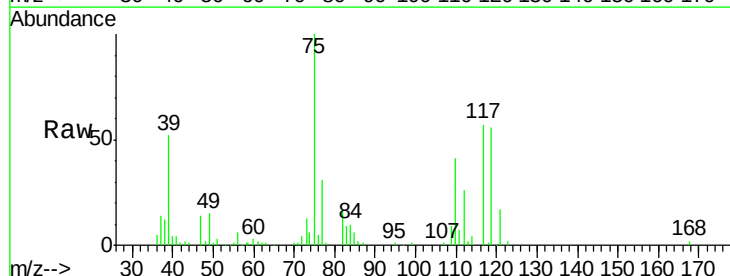
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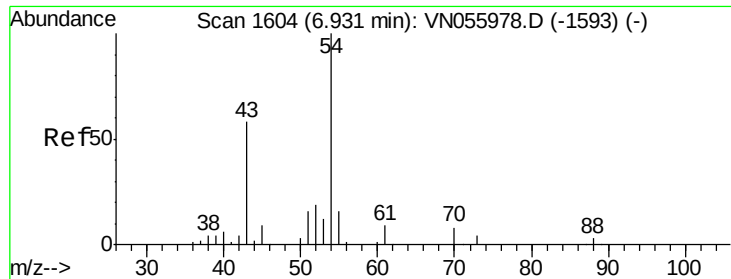
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#36
 1,1-Dichloropropene
 Concen: 46.722 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165272		
110	39.7	19.0	57.0	
77	31.1	25.1	37.7	





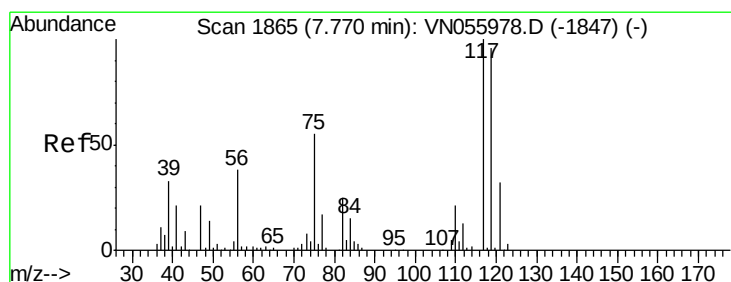
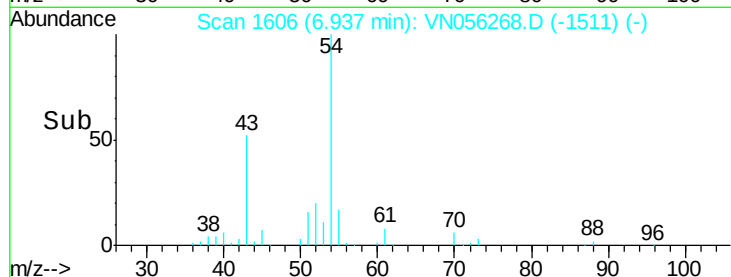
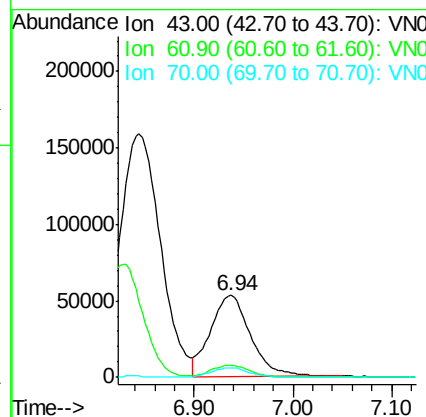
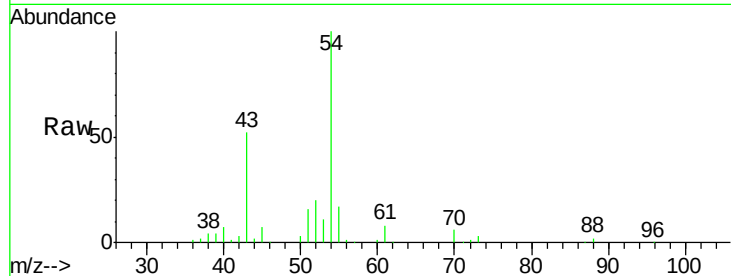
#37
Ethyl Acetate
Concen: 47.998 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.2	18.2
70	11.2	8.9	13.3

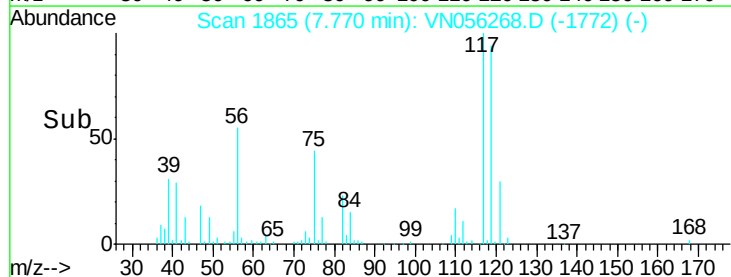
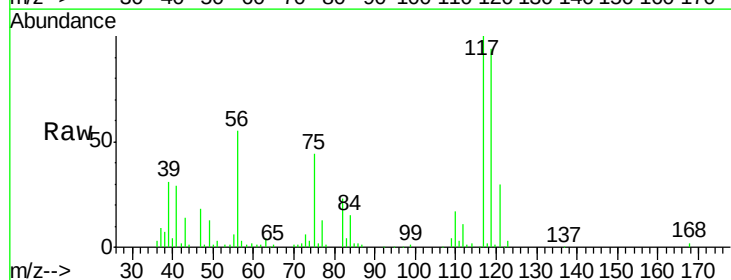
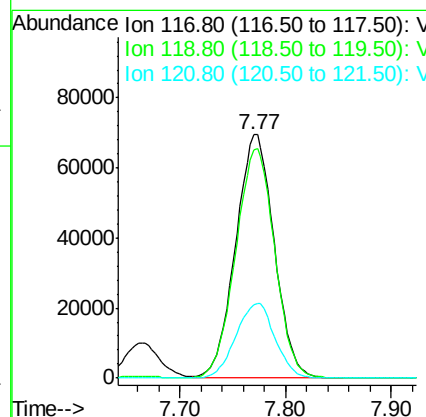
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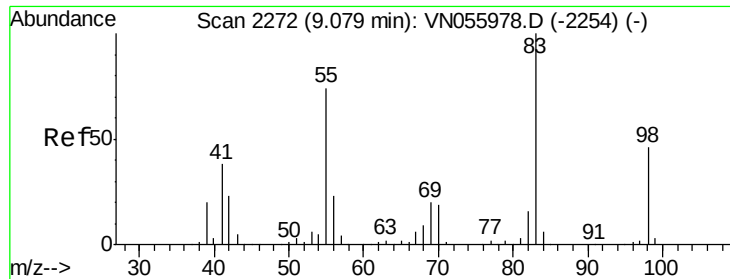
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#38
Carbon Tetrachloride
Concen: 54.197 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	79.0	118.6
121	30.0	24.7	37.1





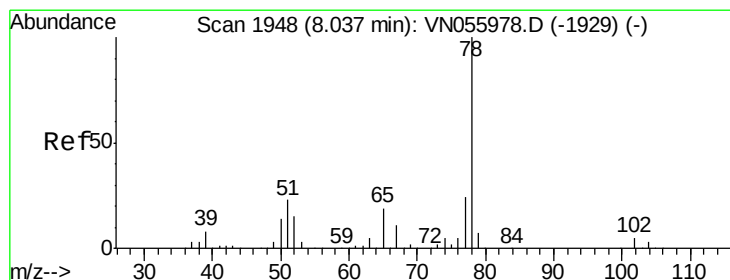
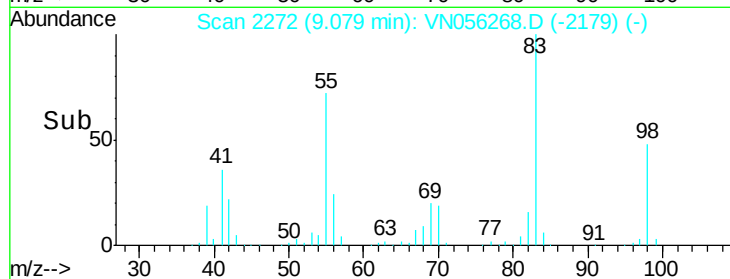
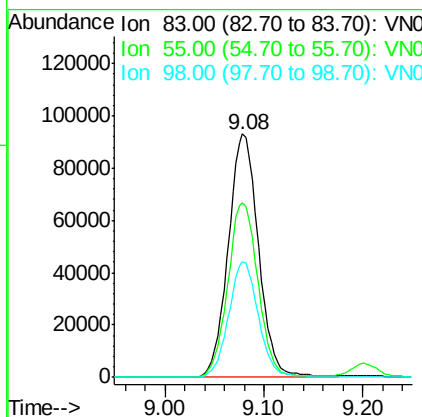
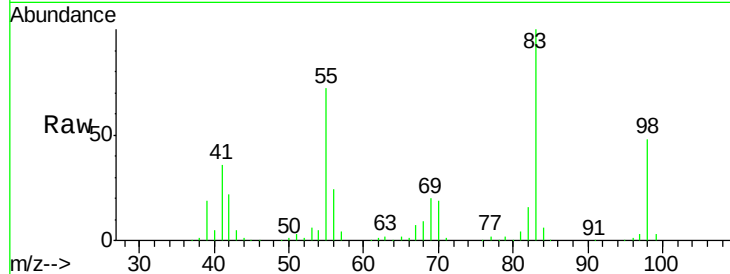
#39
Methylvlcyclohexane
Concen: 45.289 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199567		
55	71.6		59.3	88.9
98	47.6		36.6	54.8

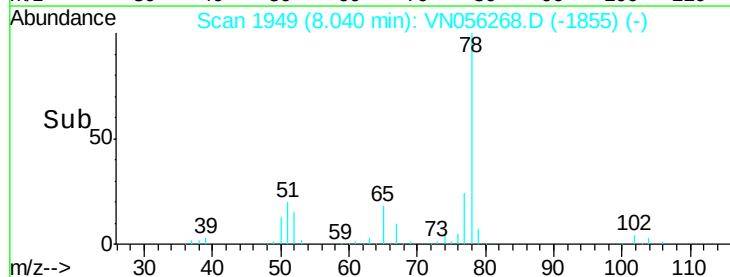
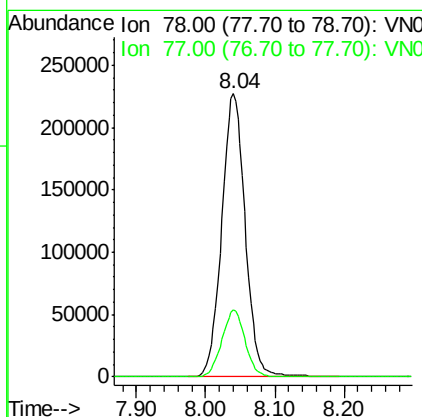
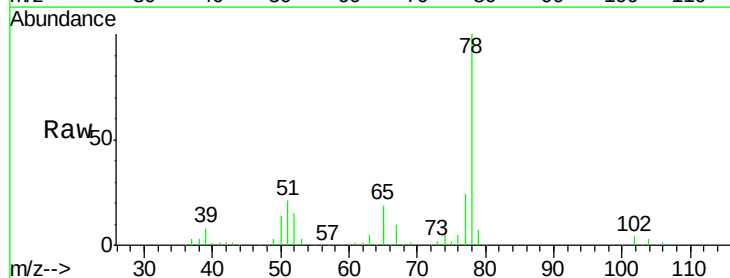
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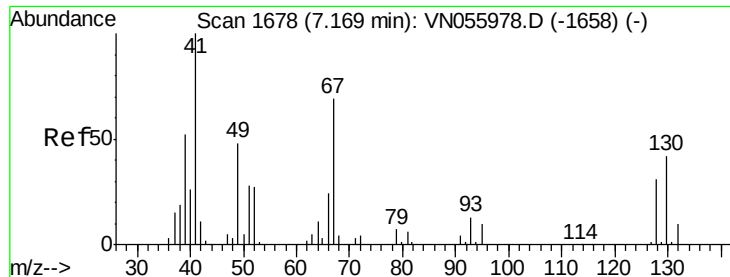
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#40
Benzene
Concen: 49.935 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	536487		
77	23.7		18.8	28.2





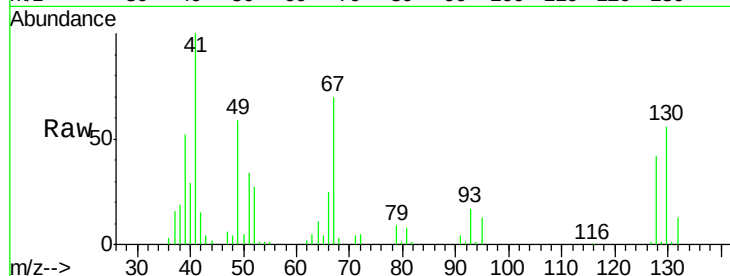
#41
Methacrylonitrile
Concen: 60.186 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

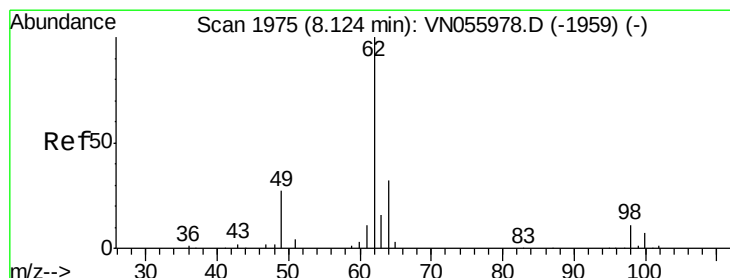
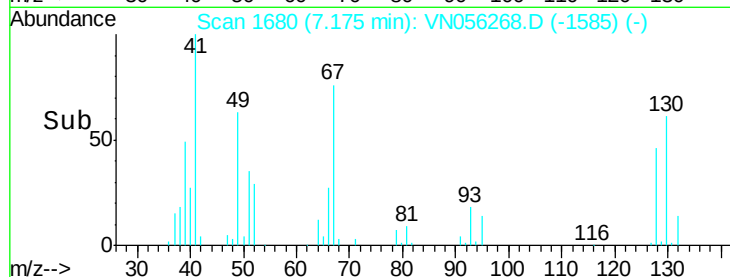
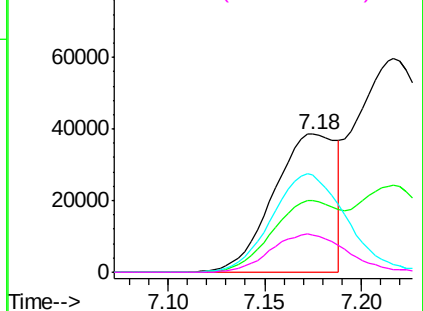
Tot Ion	41	Resp	87155
Ion Ratio	Lower	Upper	
41	100		
39	55.7	45.6	68.4
67	85.2	67.7	101.5
52	34.2	26.6	40.0

Manual Integrations
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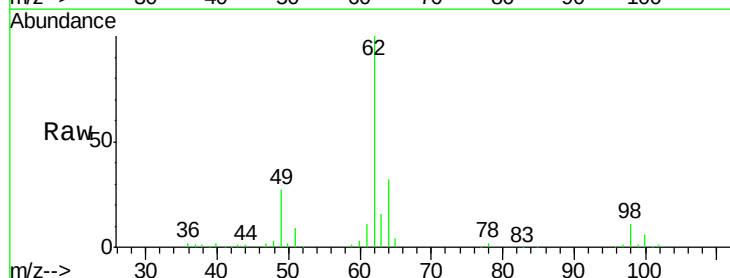


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

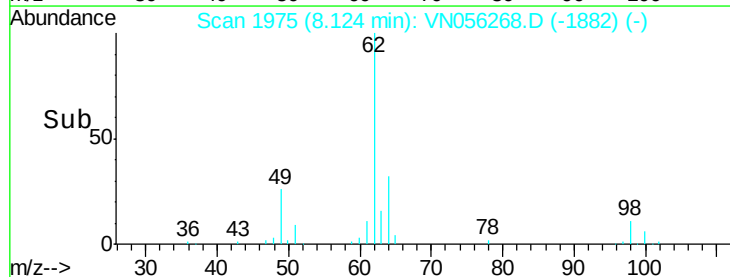
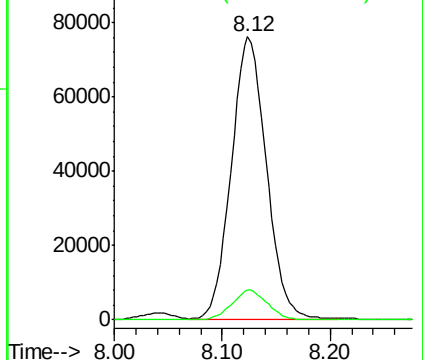


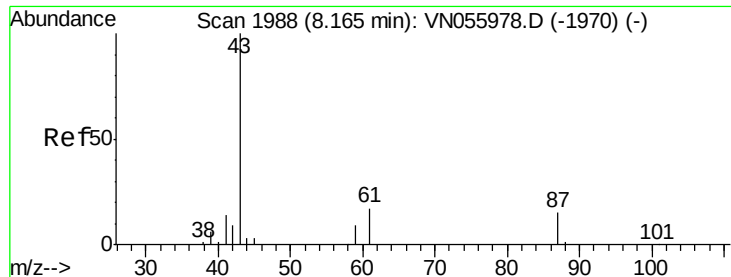
#42
1,2-Dichloroethane
Concen: 49.710 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	62	Resp	171791
Ion Ratio	Lower	Upper	
62	100		
98	10.7	0.0	20.2



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 47.258 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

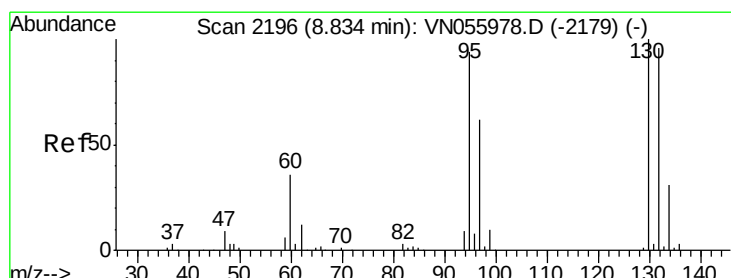
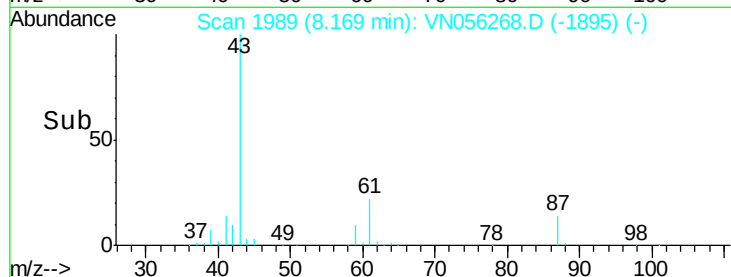
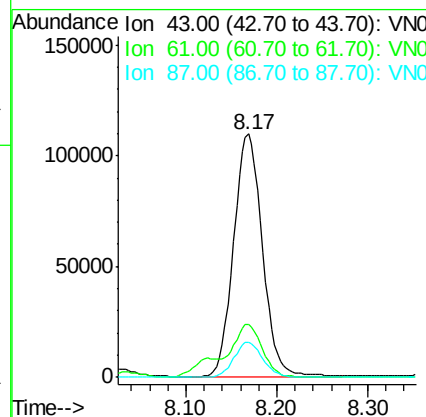
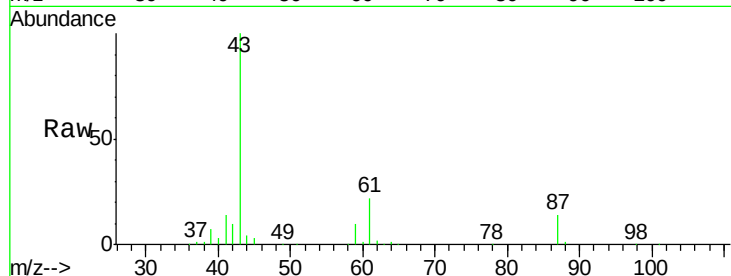
ClientSampleId :

RE104D2-20190607MSD

Tot Ion:	43	Resp:	241026
Ion	Ratio	Lower	Upper
43	100		
61	21.2	22.2	33.4#
87	14.5	11.4	17.2

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#44

Trichloroethene

Concen: 91.589 ug/l

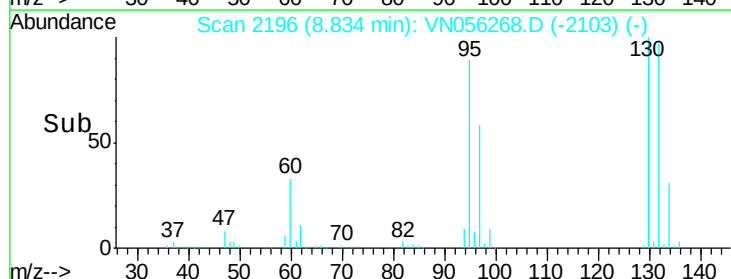
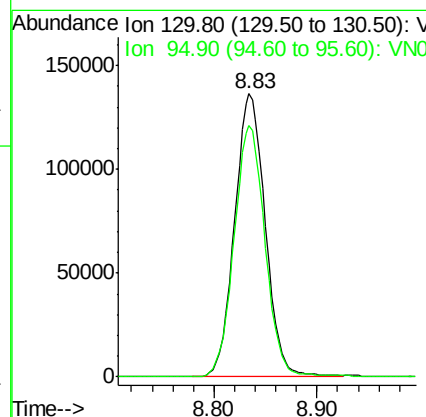
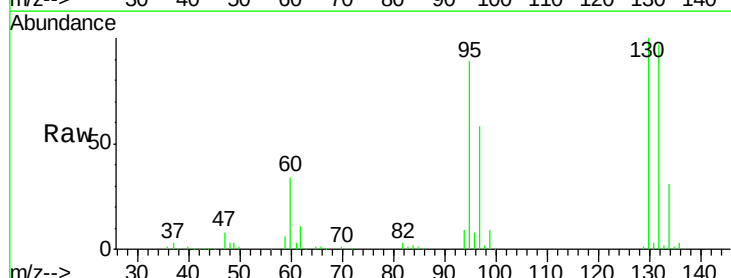
RT: 8.83 min Scan# 2196

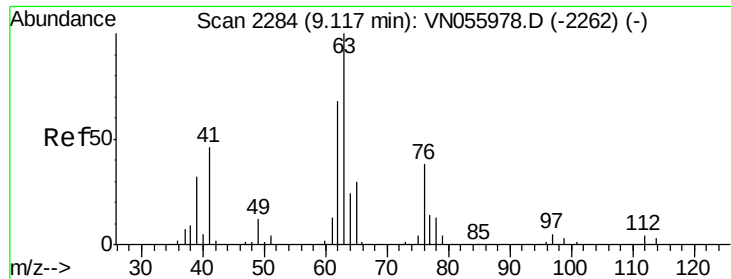
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion:	130	Resp:	282751
Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	188.0





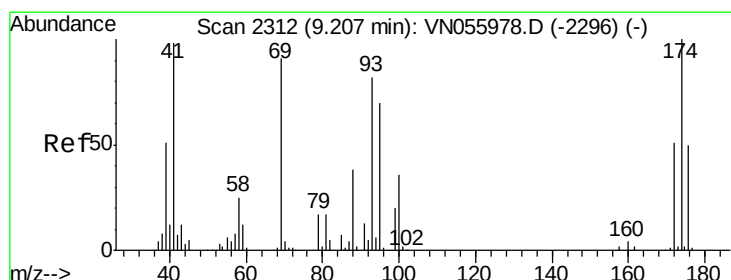
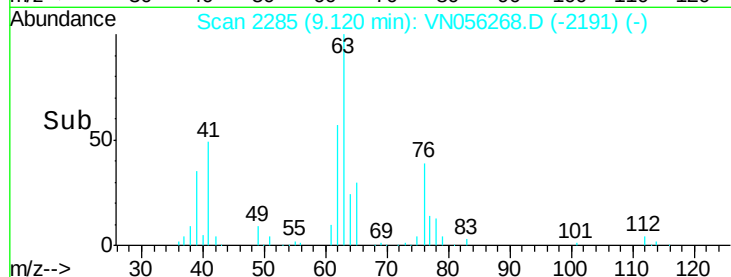
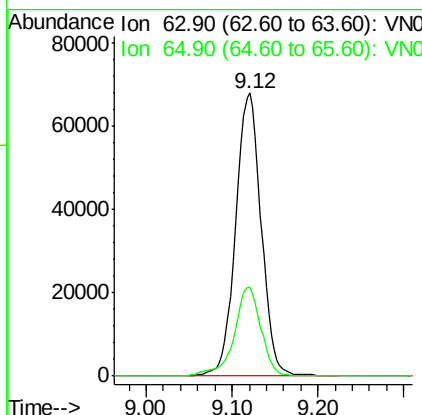
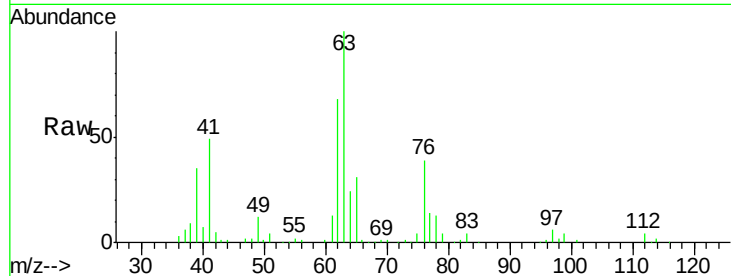
#45
 1,2-Dichloropropane
 Concen: 50.867 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion: 63 Resp: 139982
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 36.8

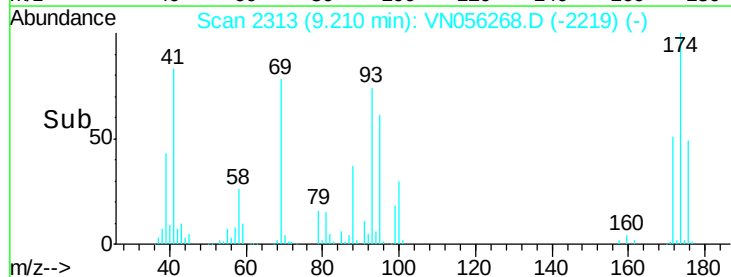
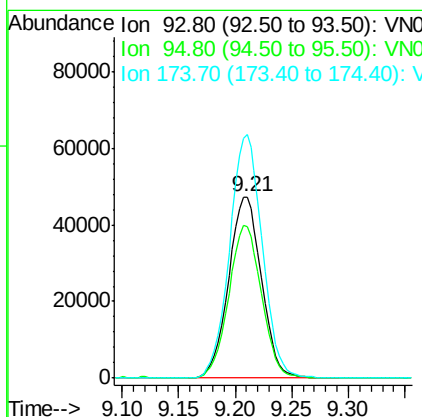
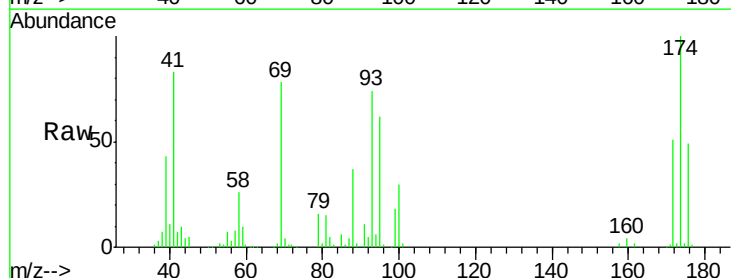
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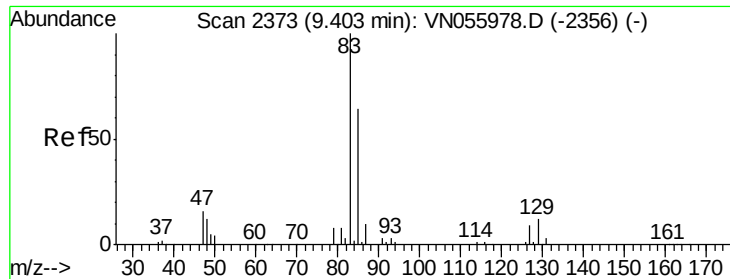
MMDadoda
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#46
 Dibromomethane
 Concen: 53.126 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion: 93 Resp: 95602
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.7 100.1
 174 133.9 96.4 144.6





#47

Bromodichloromethane

Concen: 55.501 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

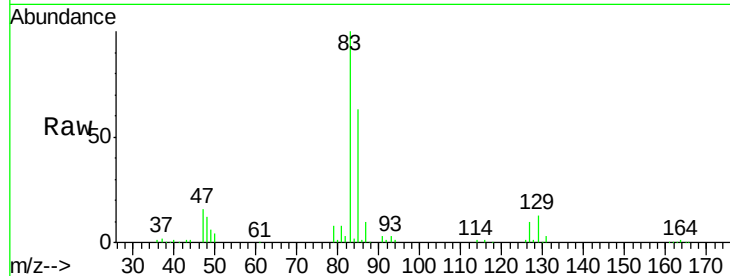
ClientSampleId :

RE104D2-20190607MSD

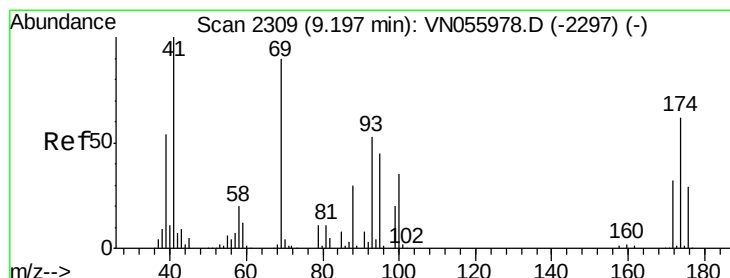
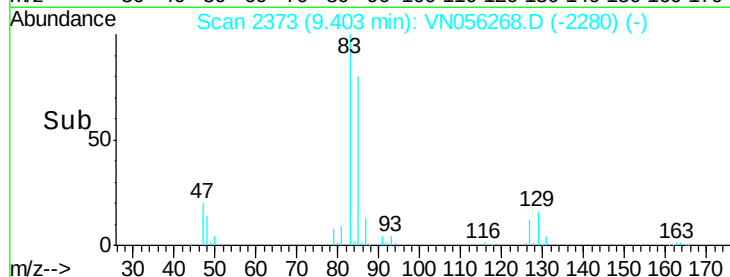
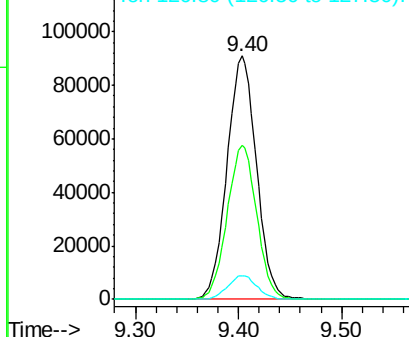
Tot Ion:	83	Resp:	181017
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.2	78.2
127	9.9	7.4	11.0

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



#48

Methyl methacrylate

Concen: 53.782 ug/l

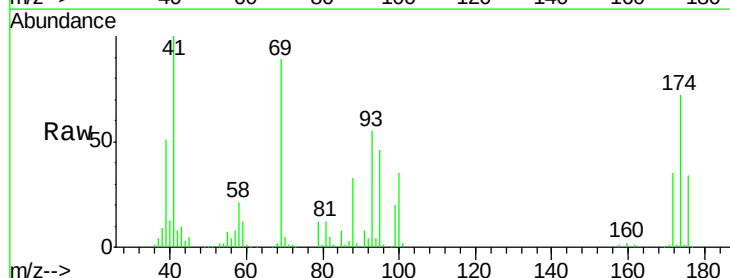
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

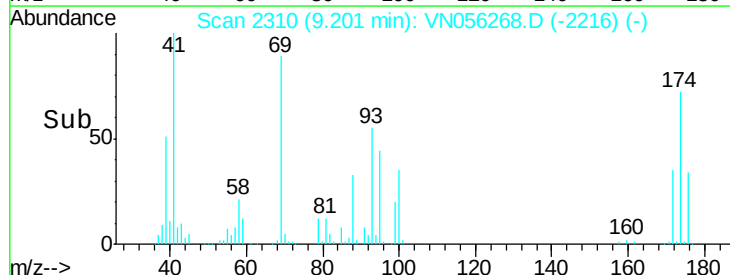
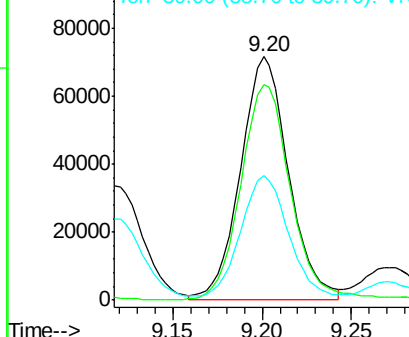
Lab File: VN056268.D

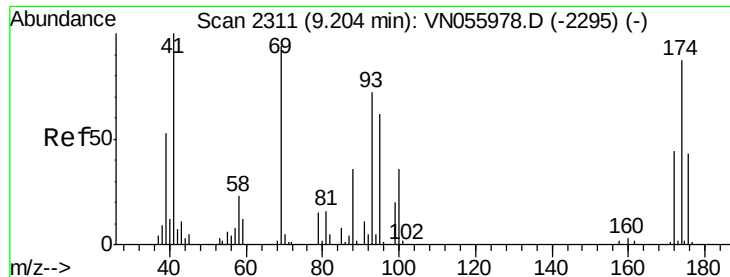
Acq: 12 Jun 2019 22:59

Tgt Ion:	41	Resp:	134195
Ion Ratio	Lower	Upper	
41	100		
69	92.0	71.0	106.6
39	51.8	44.2	66.2



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





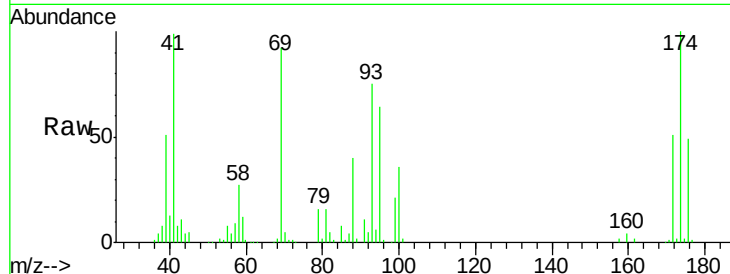
#49
1,4-Dioxane
Concen: 1138.014 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

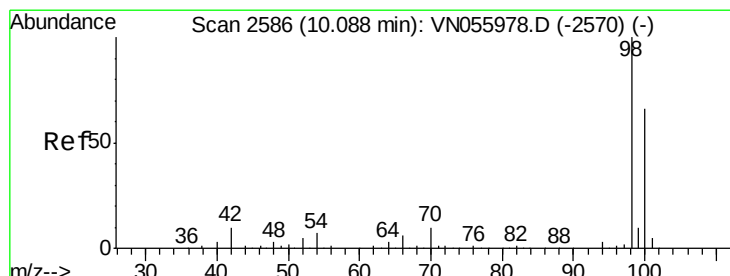
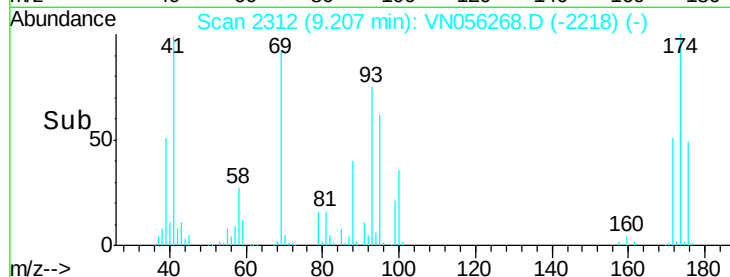
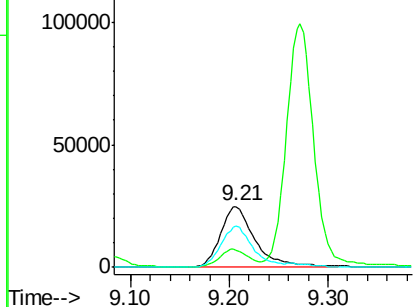
Tot Ion	Ratio	Lower	Upper
88	100		
43	23.9	20.5	30.7
58	62.0	55.8	83.6

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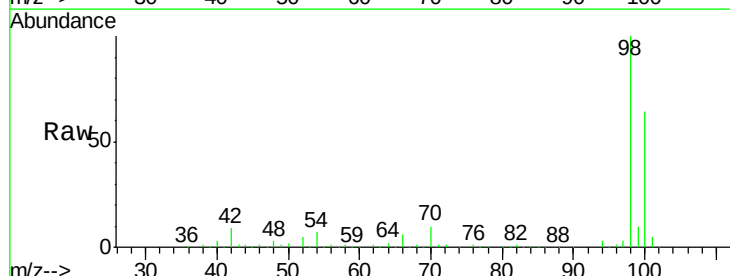


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

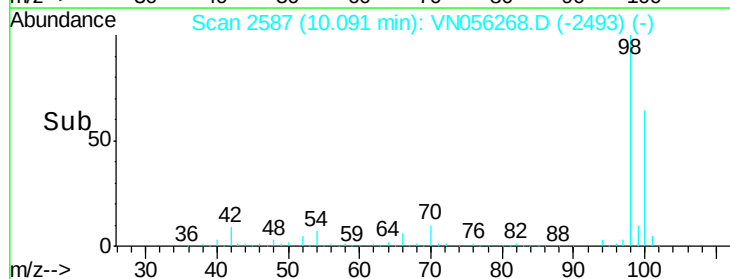
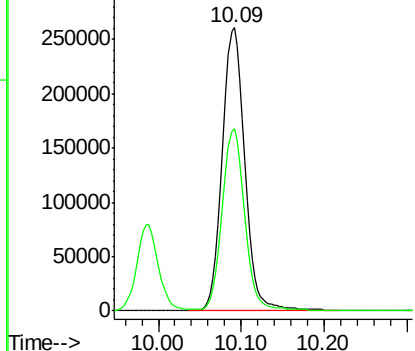


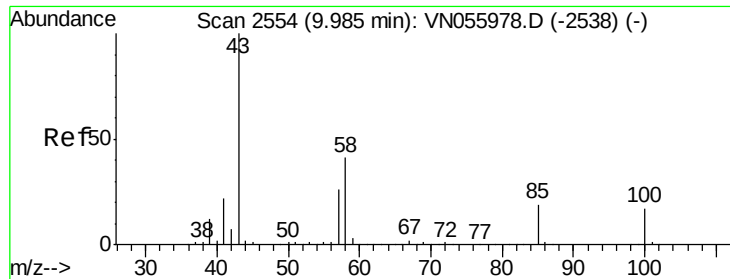
#50
Toluene-d8
Concen: 50.814 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 277.014 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 43 Resp: 883512

Ion Ratio Lower Upper

43 100

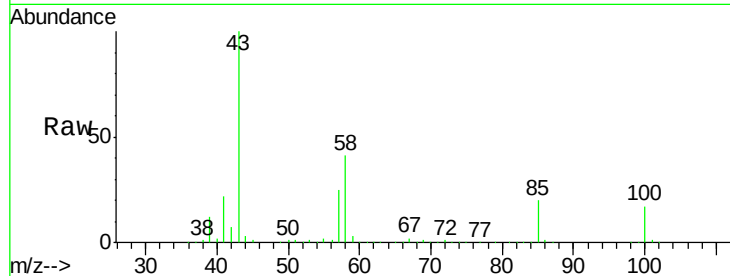
58 40.5 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500000

400000

300000

200000

100000

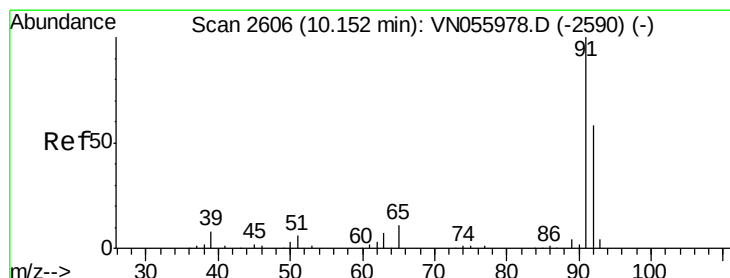
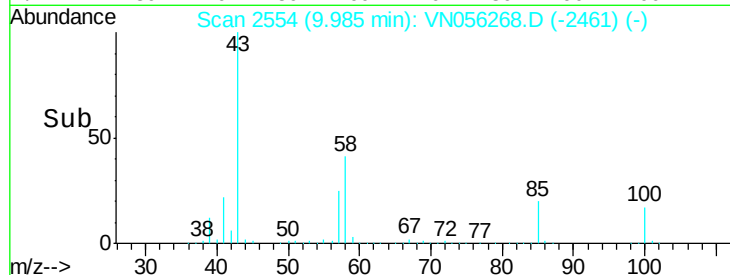
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 50.189 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056268.D

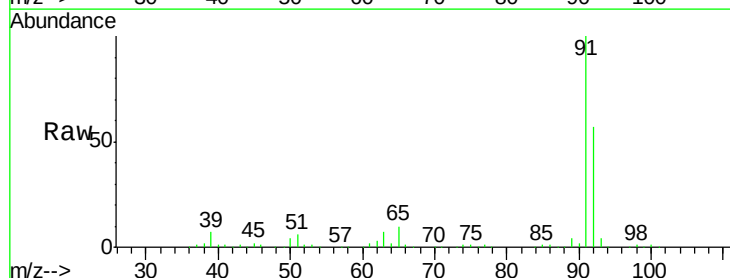
Acq: 12 Jun 2019 22:59

Tgt Ion: 92 Resp: 335531

Ion Ratio Lower Upper

92 100

91 176.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

200000

100000

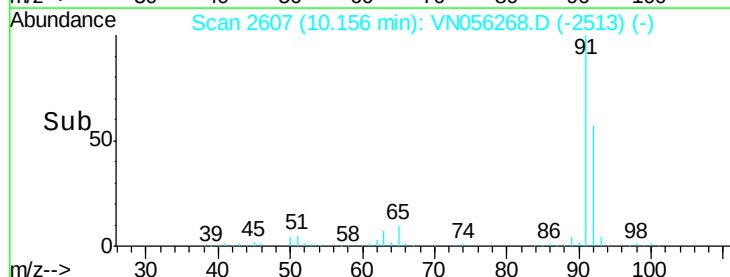
0

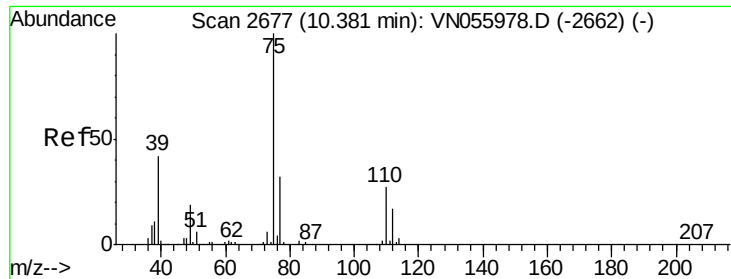
10.10

10.20

10.30

Time-->





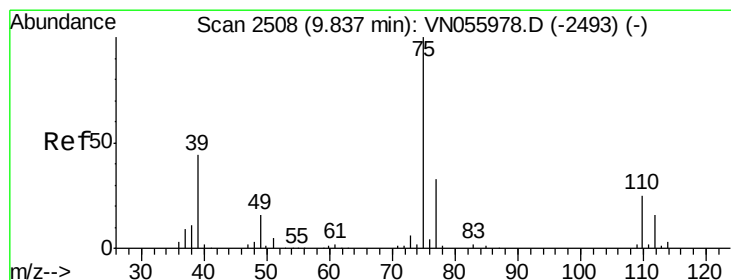
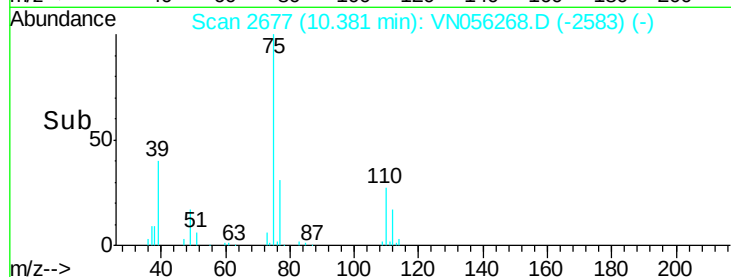
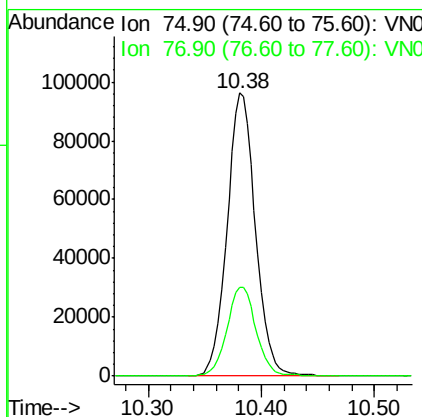
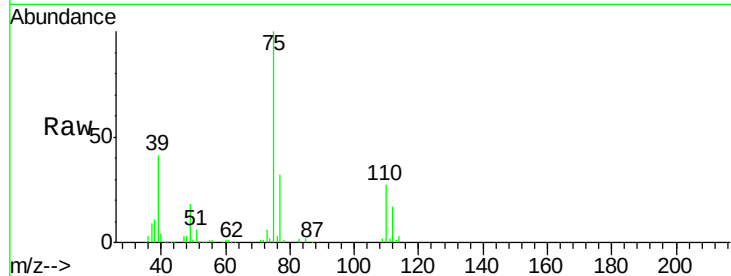
#53
 t-1,3-Dichloropropene
 Concen: 44.134 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion: 75 Resp: 167634
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.8 38.6

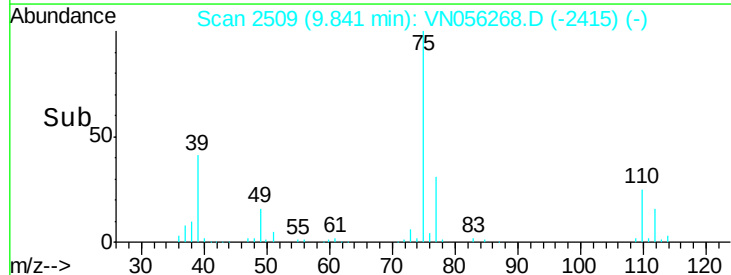
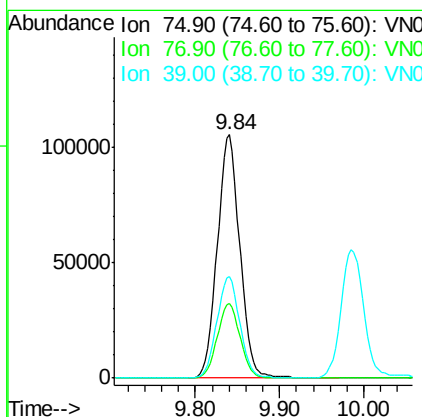
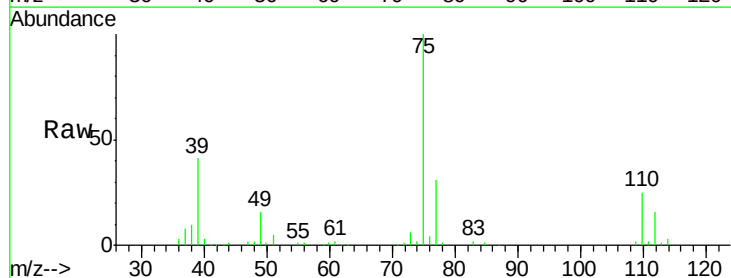
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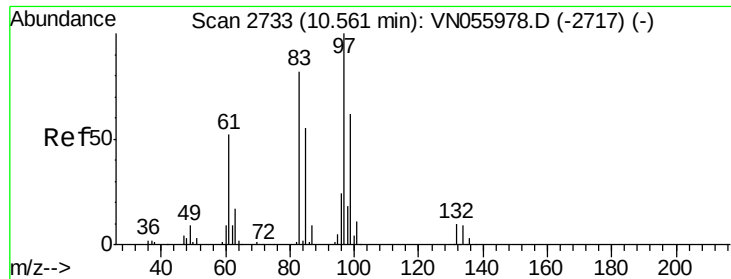
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#54
 cis-1,3-Dichloropropene
 Concen: 49.749 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion: 75 Resp: 195033
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.0
 39 41.5 36.3 54.5





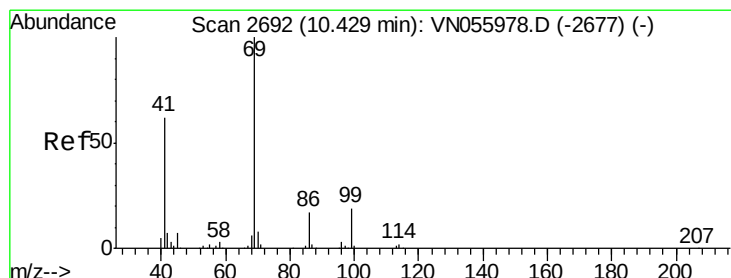
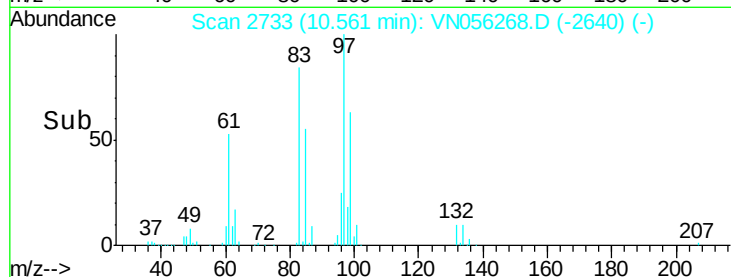
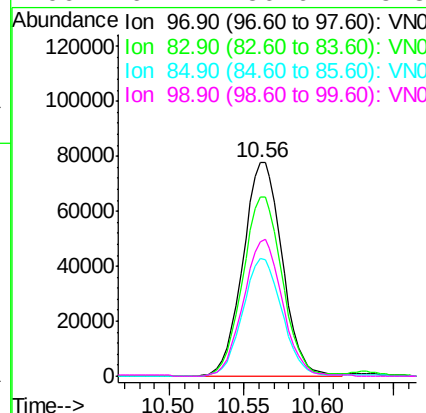
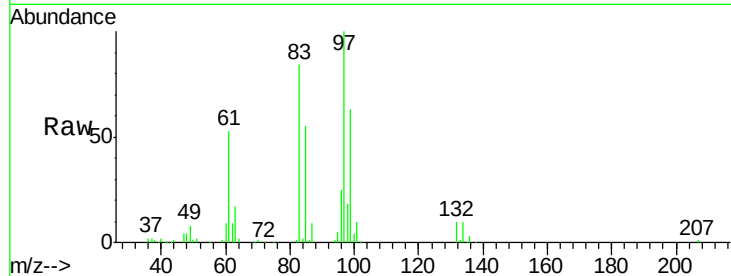
#55
 1,1,2-Trichloroethane
 Concen: 53.776 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion:	97	Resp:	142408
Ion	Ratio	Lower	Upper
97	100		
83	84.0	67.0	100.6
85	55.2	44.0	66.0
99	62.7	50.6	75.8

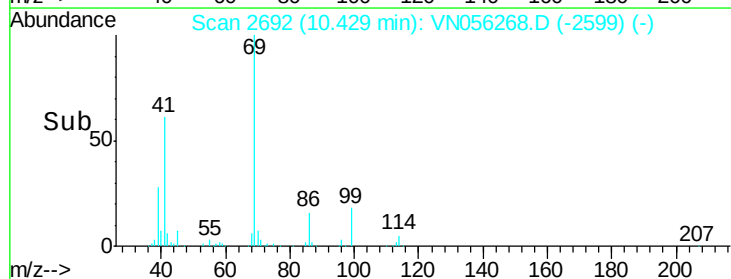
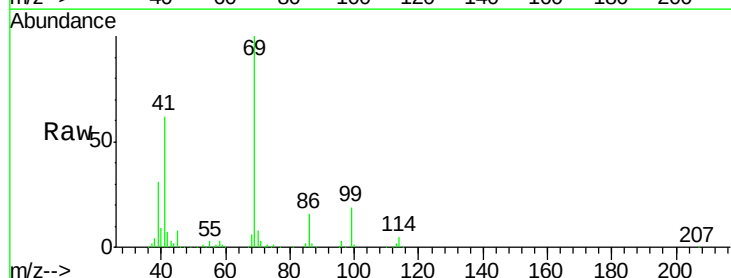
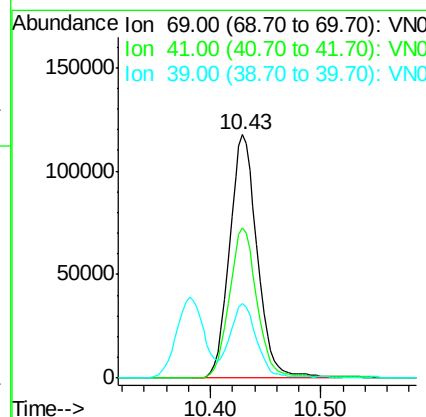
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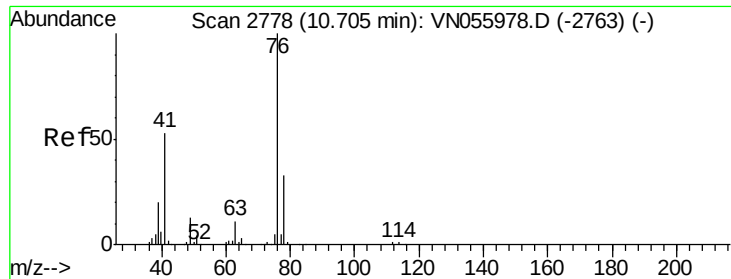
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#56
 Ethyl methacrylate
 Concen: 53.030 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion:	69	Resp:	204876
Ion	Ratio	Lower	Upper
69	100		
41	61.0	49.7	74.5
39	29.1	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.415 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 76 Resp: 225644

Ion Ratio Lower Upper

76 100

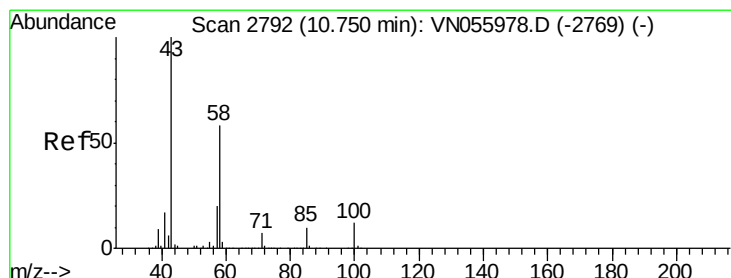
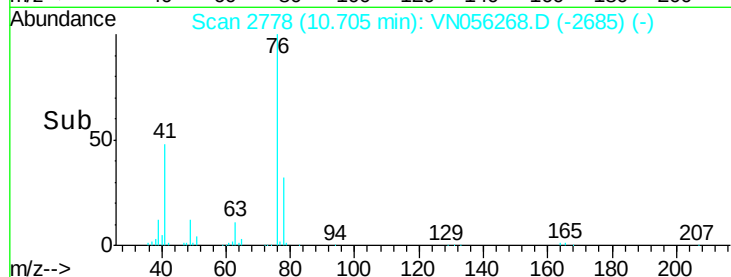
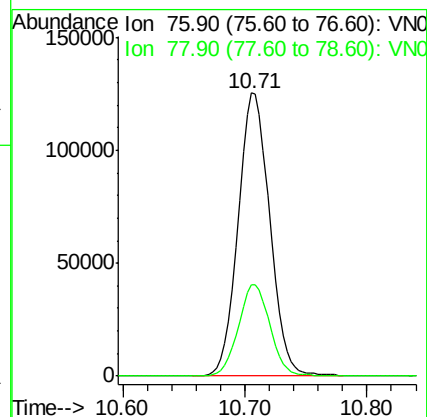
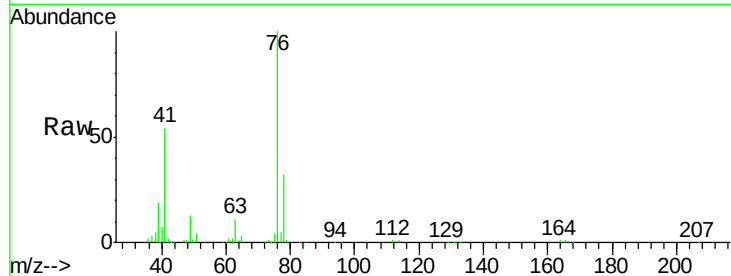
78 32.2 25.8 38.6

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#59

2-Hexanone

Concen: 268.774 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN056268.D

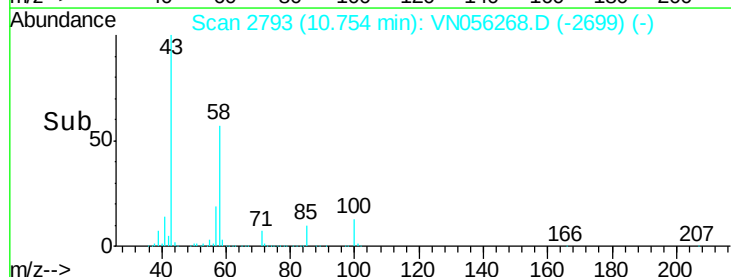
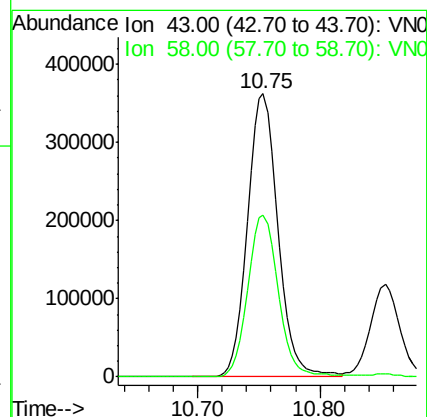
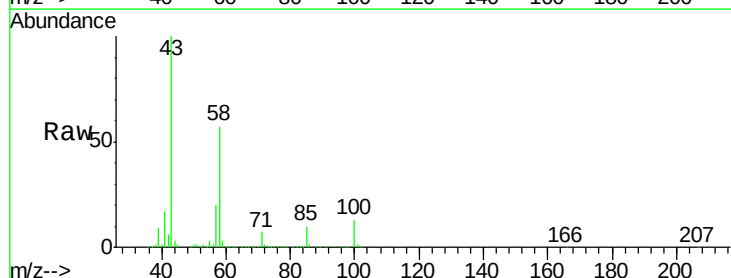
Acq: 12 Jun 2019 22:59

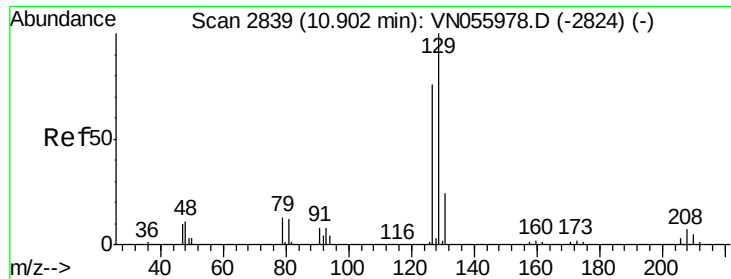
Tgt Ion: 43 Resp: 621301

Ion Ratio Lower Upper

43 100

58 57.4 28.2 84.7





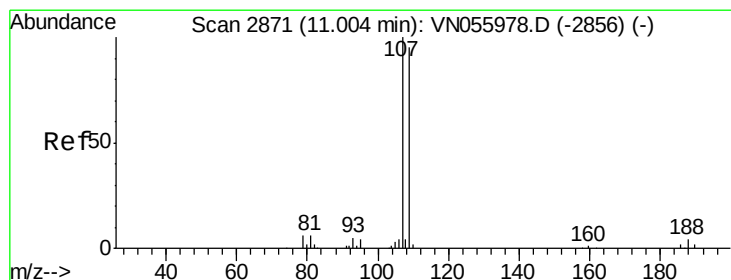
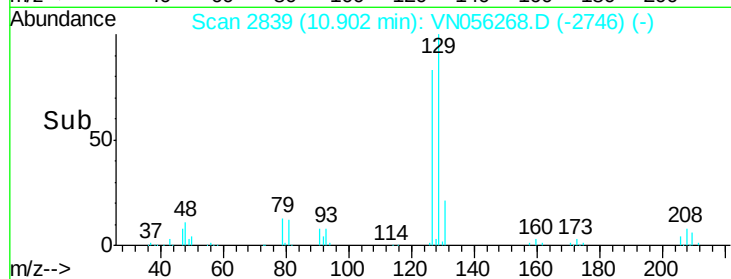
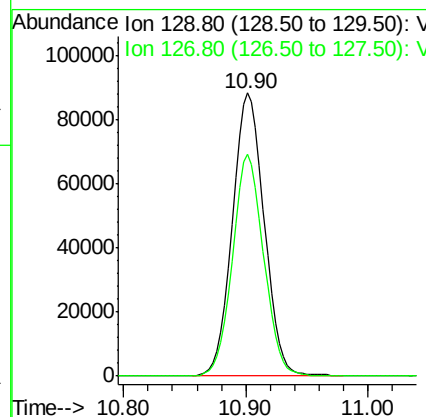
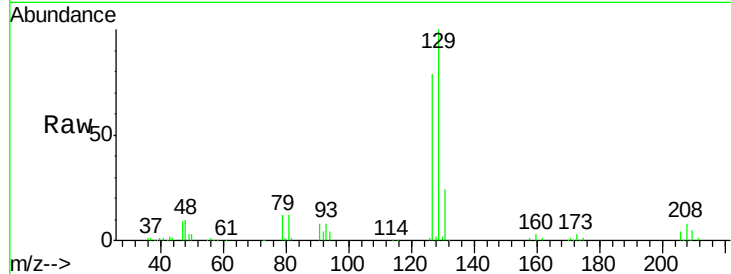
#60
 Dibromochloromethane
 Concen: 54.599 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.1	114.3

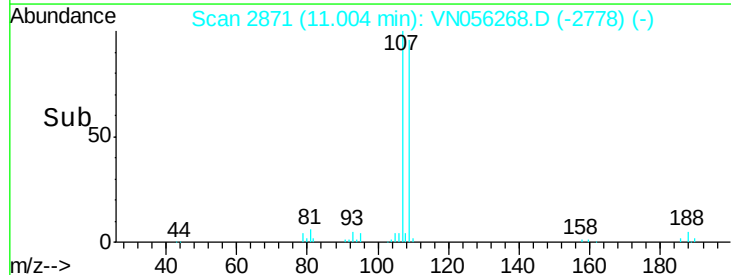
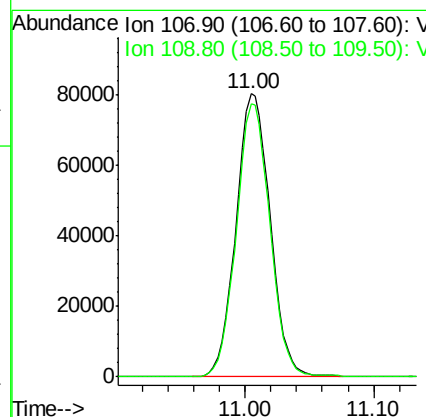
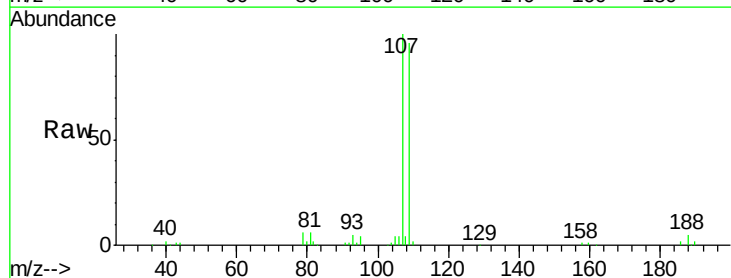
Manual Integrations
 APPROVED

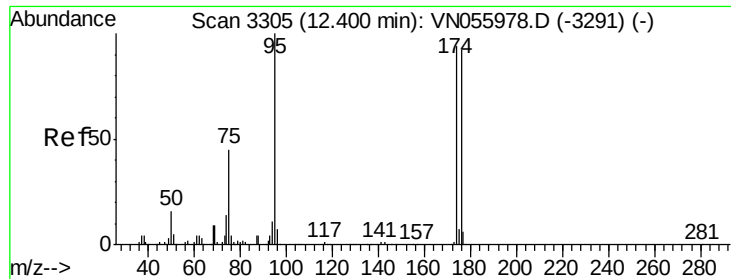
MMDadoda
 6/13/2019 11:08:59 AM



#61
 1,2-Dibromoethane
 Concen: 54.700 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.8	112.2





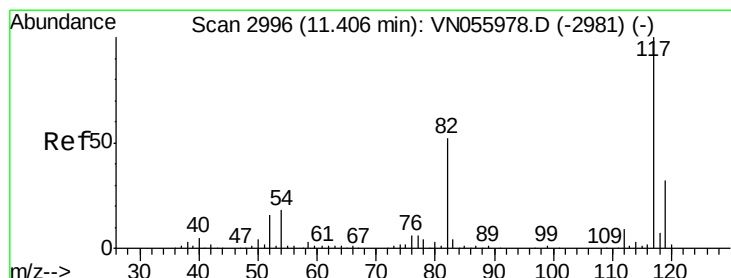
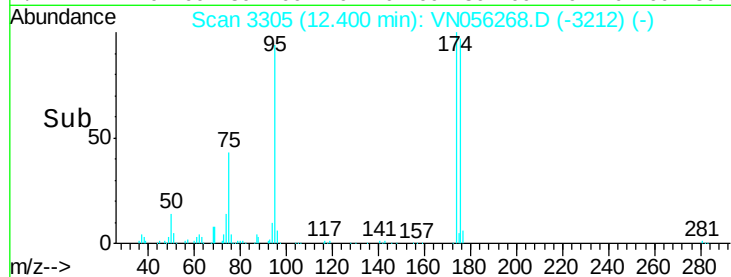
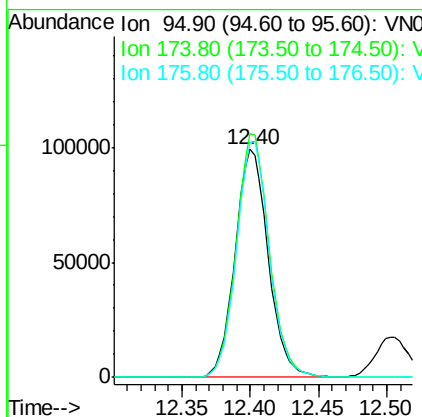
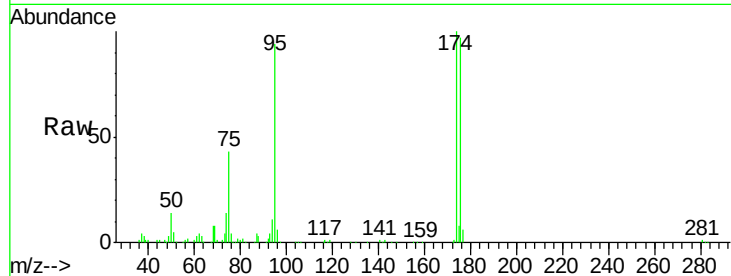
#62
4-Bromofluorobenzene
Concen: 50.710 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
95	100		
174	106.2	0.0	191.0
176	102.4	0.0	185.2

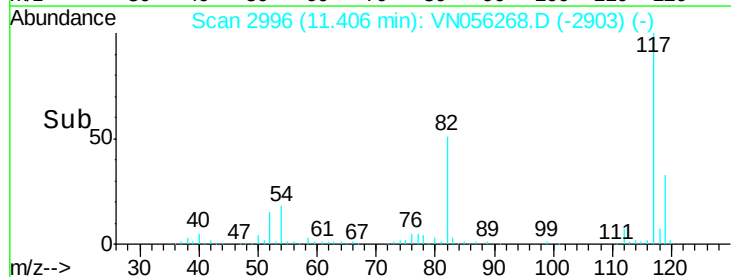
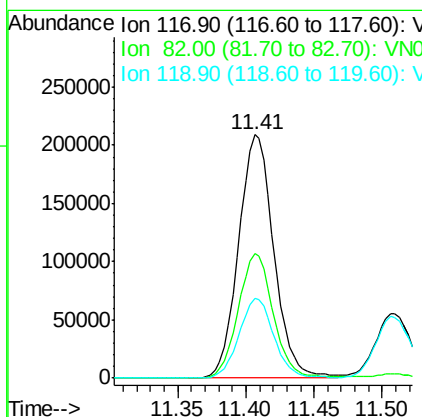
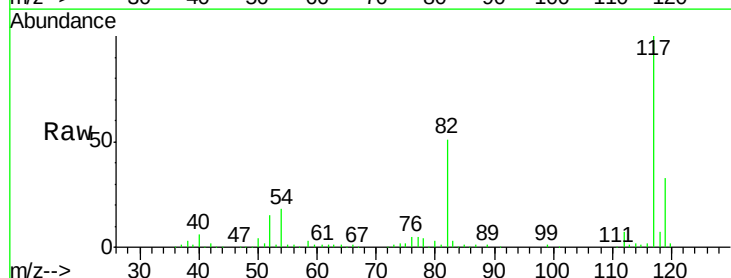
Manual Integrations
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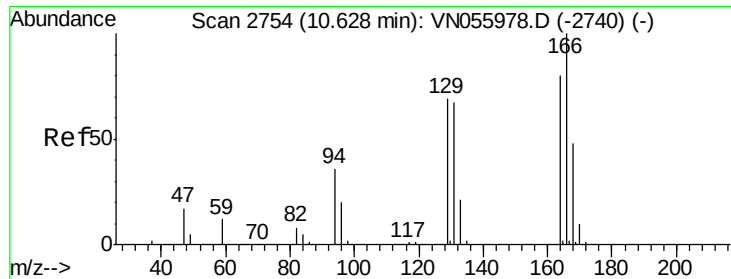
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.8	62.8
119	32.7	25.4	38.0





#64

Tetrachloroethene

Concen: 48.265 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion:164 Resp: 156813

Ion Ratio Lower Upper

164 100

166 125.3 103.0 154.6

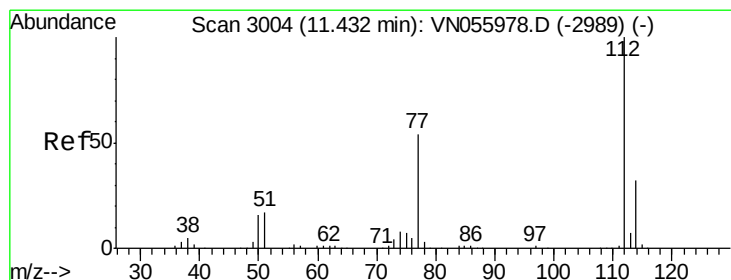
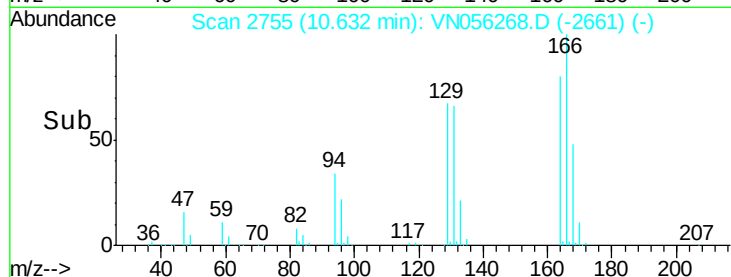
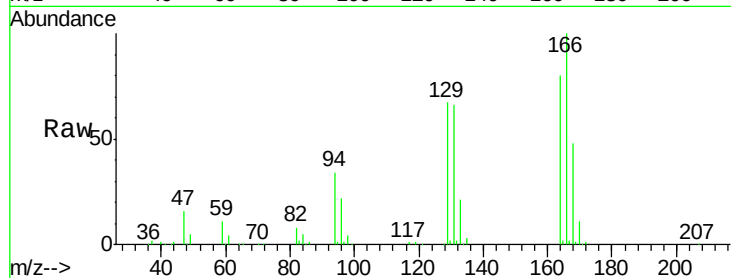
129 84.4 70.6 105.8

131 82.9 68.6 102.8

Manual Integrations
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#65

Chlorobenzene

Concen: 50.540 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056268.D

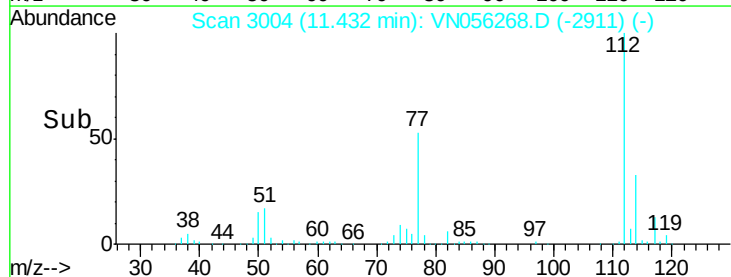
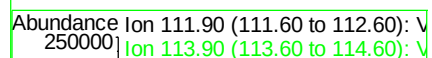
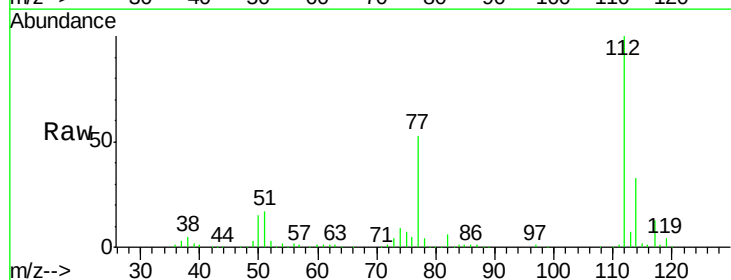
Acq: 12 Jun 2019 22:59

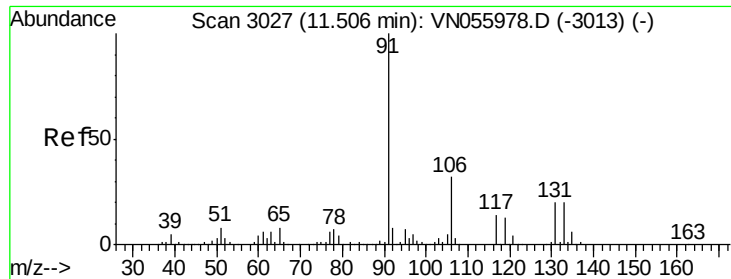
Tgt Ion:112 Resp: 377533

Ion Ratio Lower Upper

112 100

114 32.7 26.2 39.4





#66

1,1,1,2-Tetrachloroethane

Concen: 56.772 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

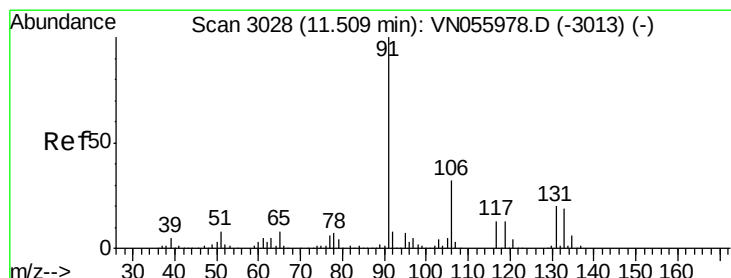
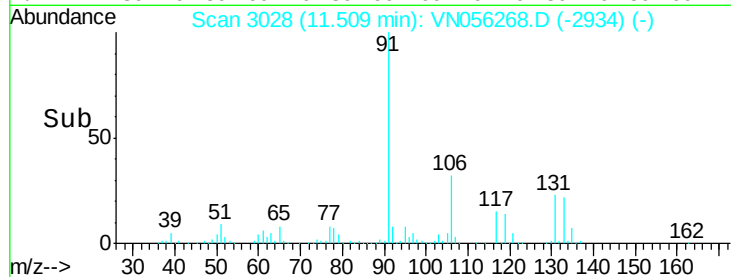
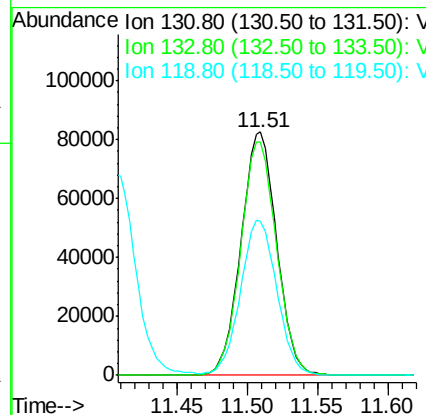
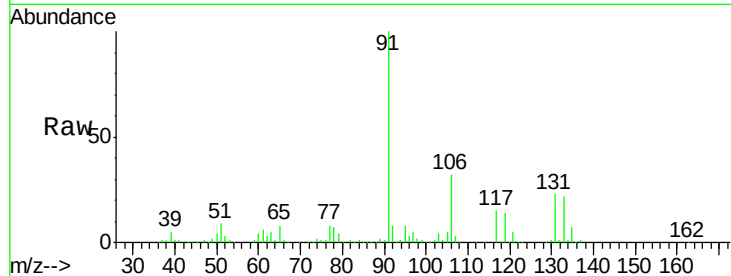
ClientSampleId :

RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.0	144.0
119	65.2	33.1	99.5

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#67

Ethyl Benzene

Concen: 49.014 ug/l

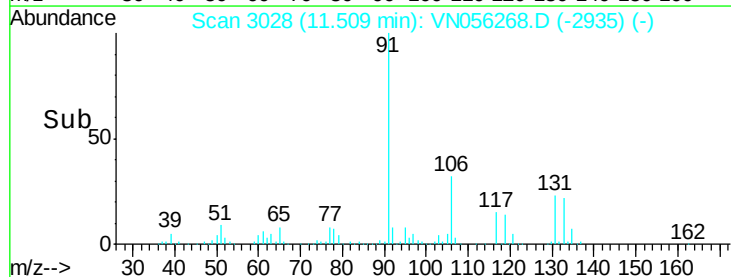
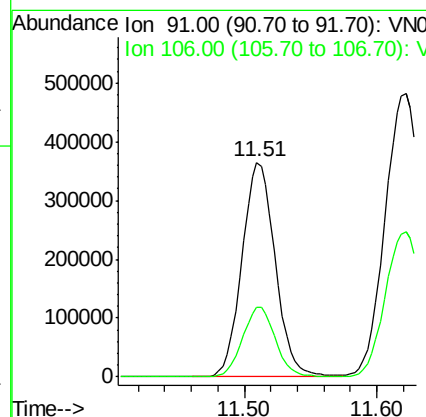
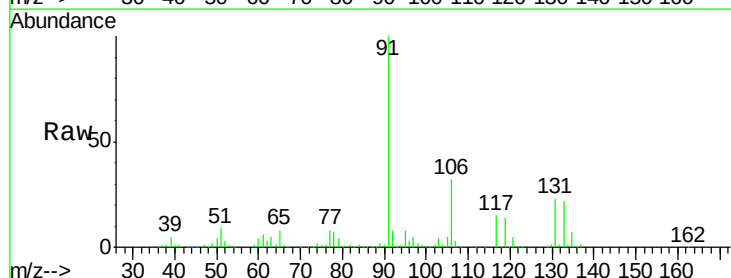
RT: 11.51 min Scan# 3028

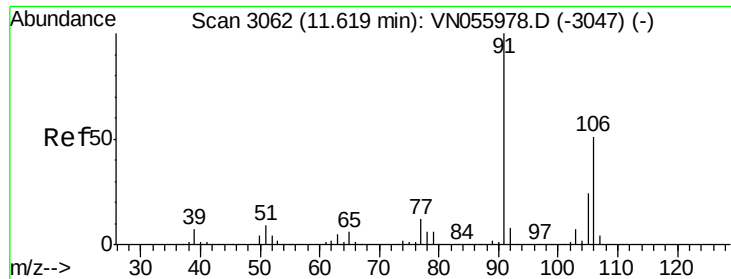
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.1	37.7





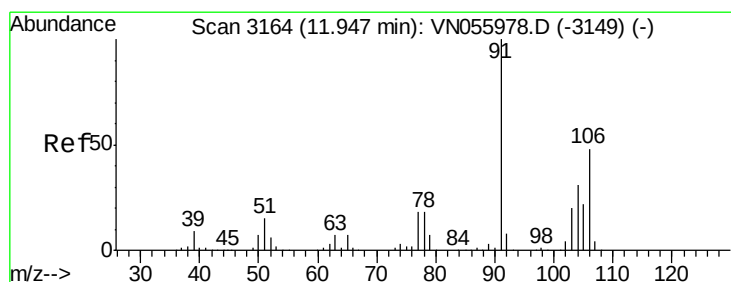
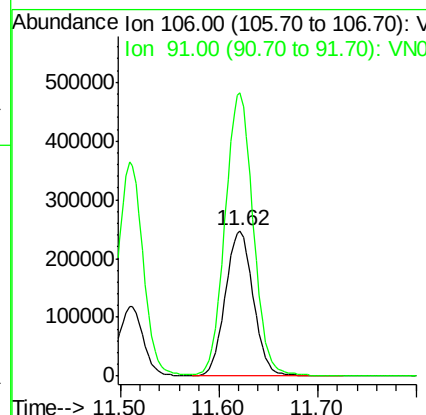
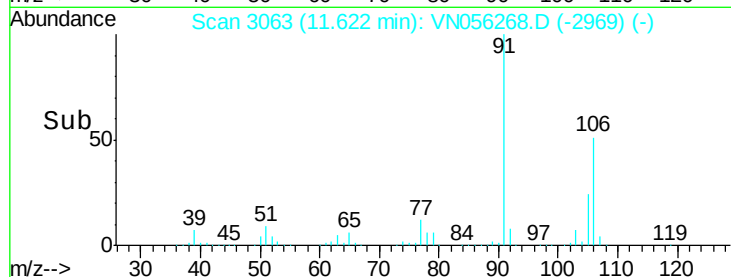
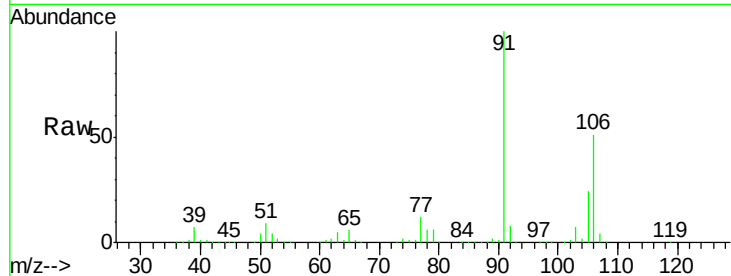
#68
m/p-Xylenes
Concen: 99.690 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion:106 Resp: 494664
Ion Ratio Lower Upper
106 100
91 195.1 159.3 238.9

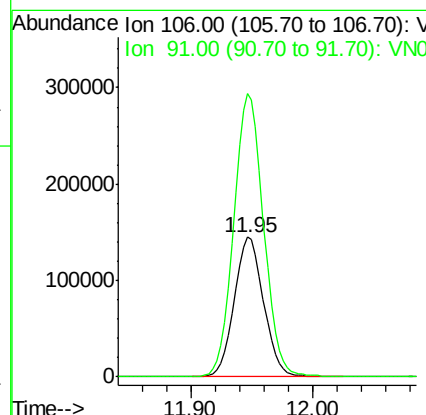
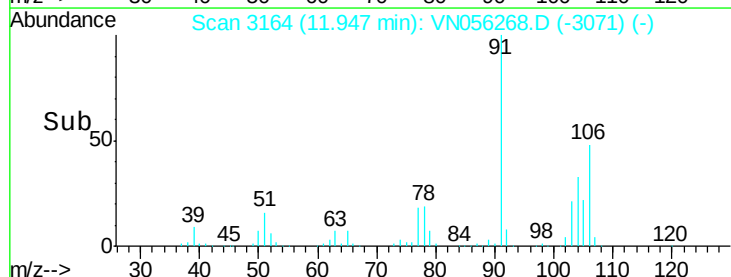
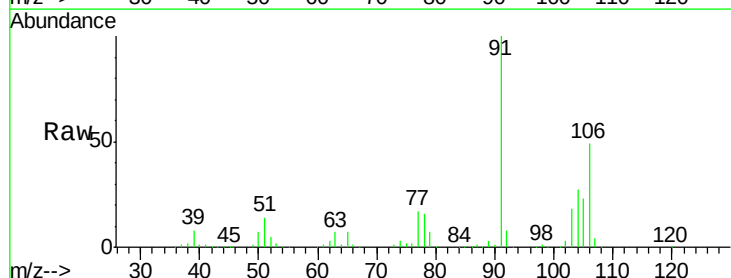
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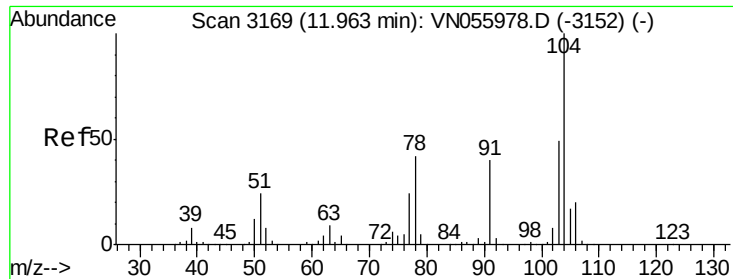
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#69
o-Xylene
Concen: 49.873 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:106 Resp: 243426
Ion Ratio Lower Upper
106 100
91 205.4 104.7 314.1





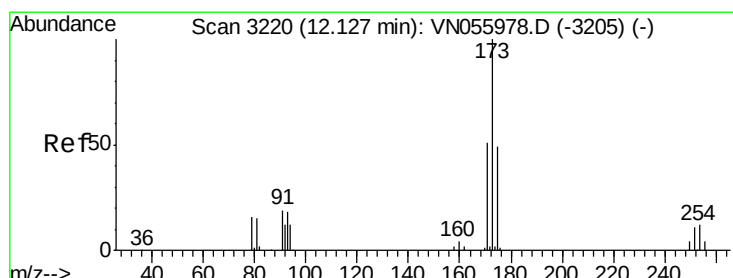
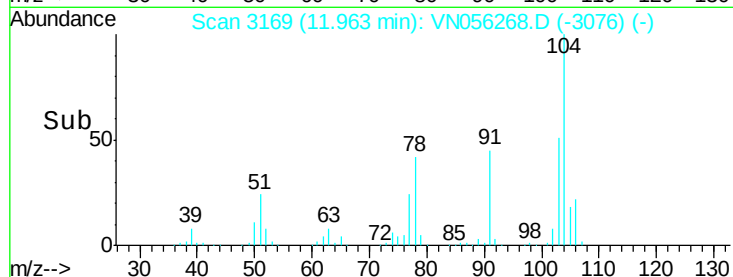
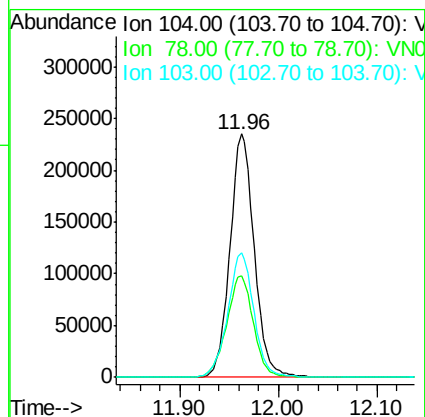
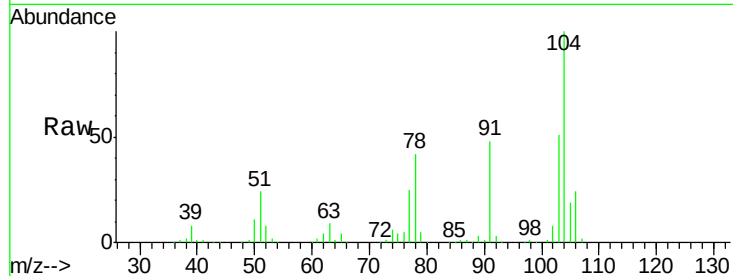
#70
Stvrene
Concen: 52.219 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.2	37.8	56.6
103	55.1	44.2	66.2

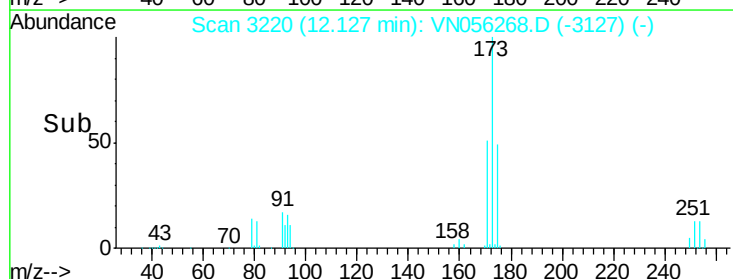
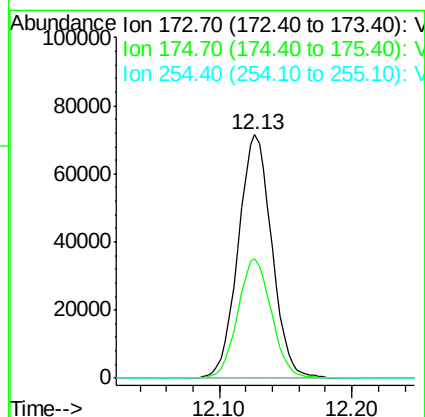
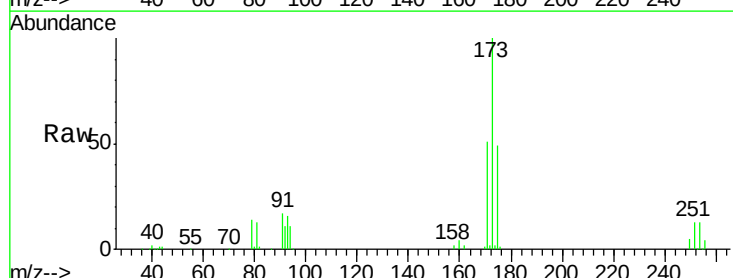
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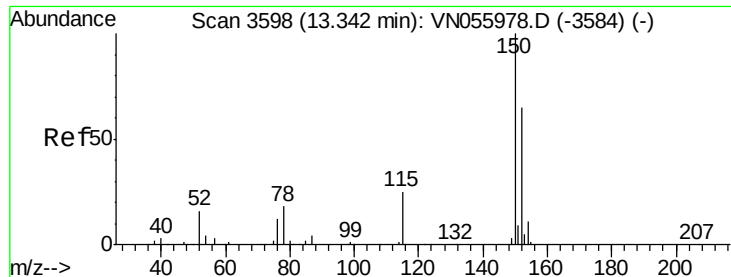
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#71
Bromoform
Concen: 57.585 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.0	0.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion:152 Resp: 175508

Ion Ratio Lower Upper

152 100

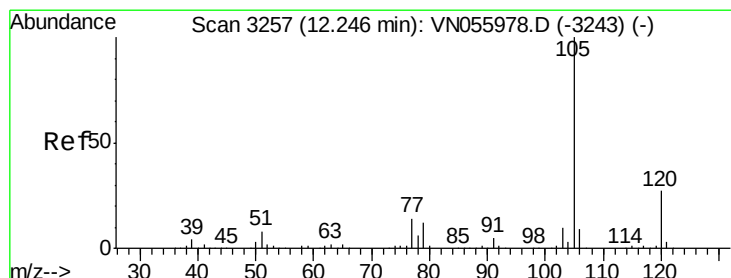
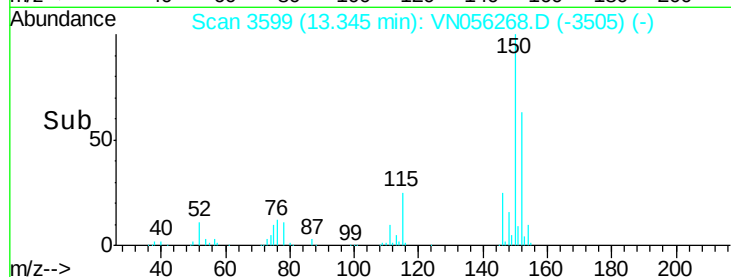
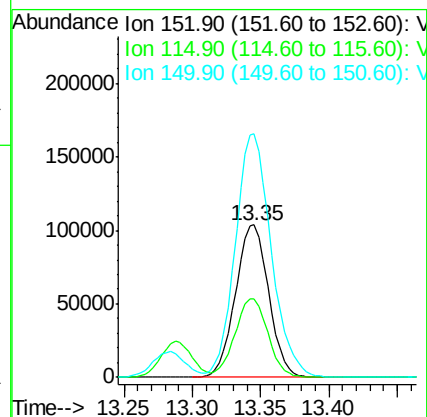
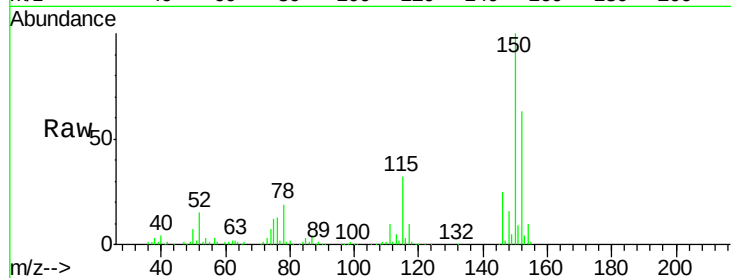
115 51.4 27.0 81.0

150 172.6 0.0 343.2

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#73

Isopropylbenzene

Concen: 50.964 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056268.D

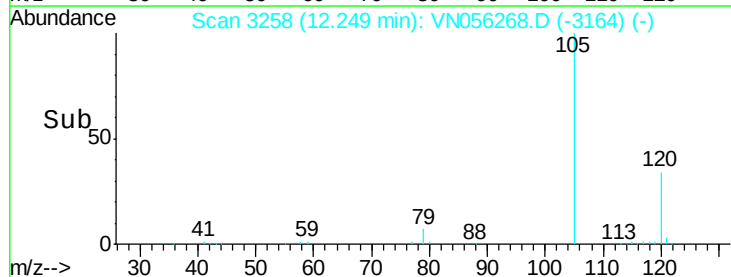
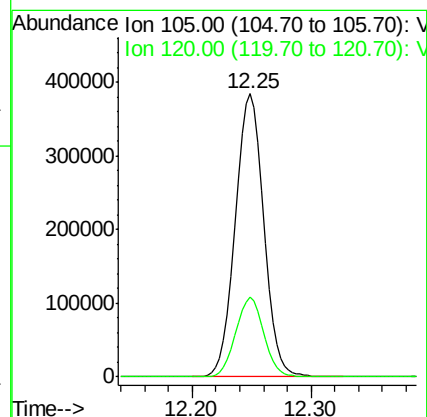
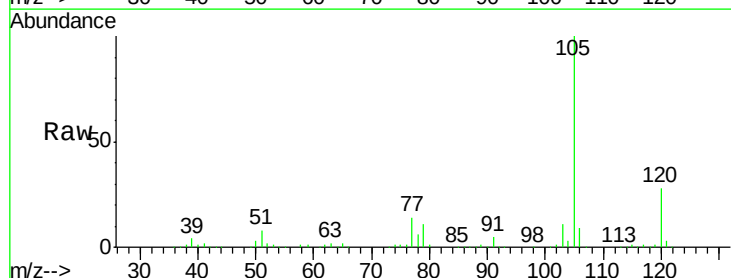
Acq: 12 Jun 2019 22:59

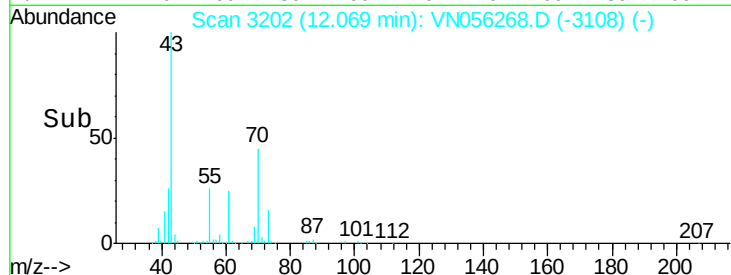
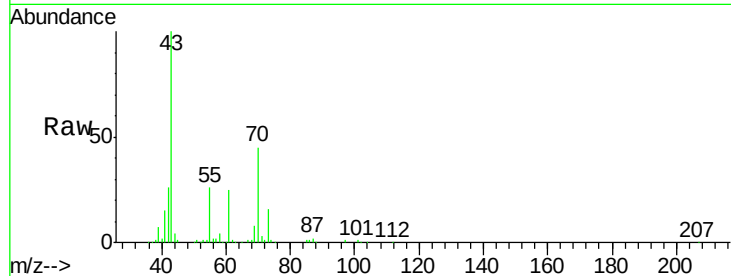
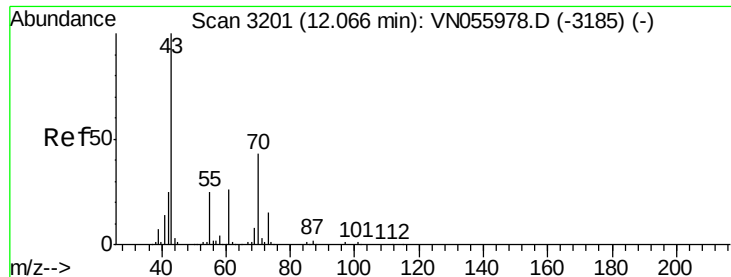
Tgt Ion:105 Resp: 636991

Ion Ratio Lower Upper

105 100

120 27.8 13.6 40.7





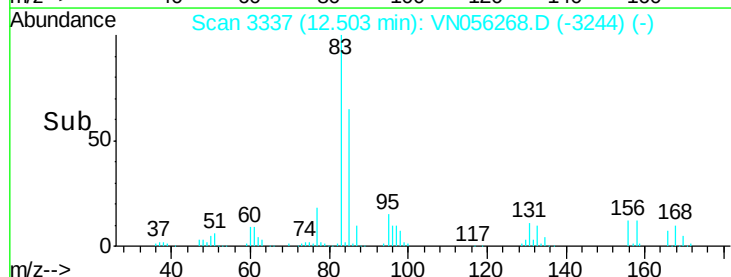
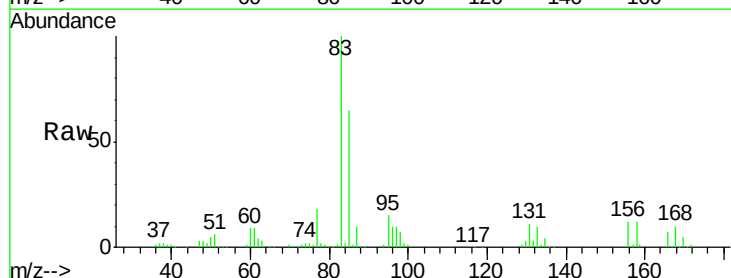
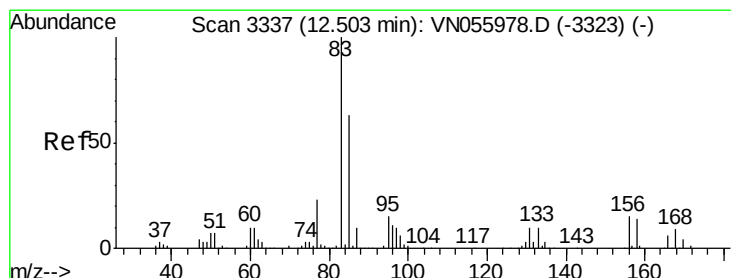
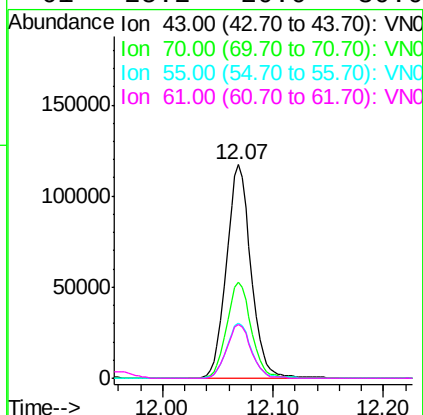
#74
N-amvl acetate
Concen: 38.677 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tot Ion	43	70	55	61
Ratio	100	45.1	26.2	25.2
Lower		34.0	18.6	20.0
Upper		51.0	28.0	30.0

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

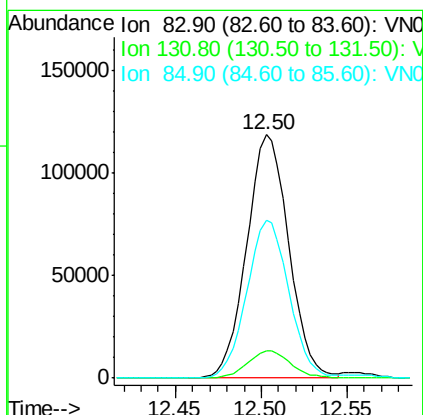
Manual Integrations
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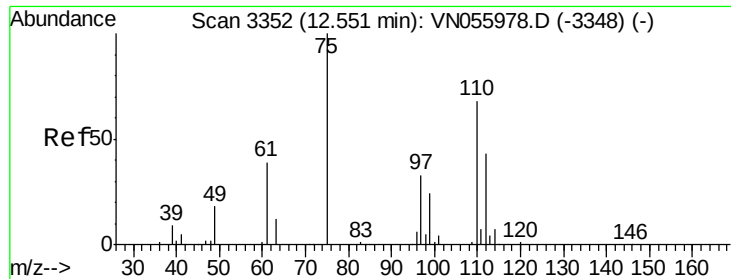
MMDadoda
6/13/2019 11:08:59 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 49.391 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion	83	131	85
Ratio	100	11.3	64.8
Lower		5.4	32.4
Upper		16.2	97.0





#76

1,2,3-Trichloropropane

Concen: 49.152 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 75 Resp: 158733

Ion Ratio Lower Upper

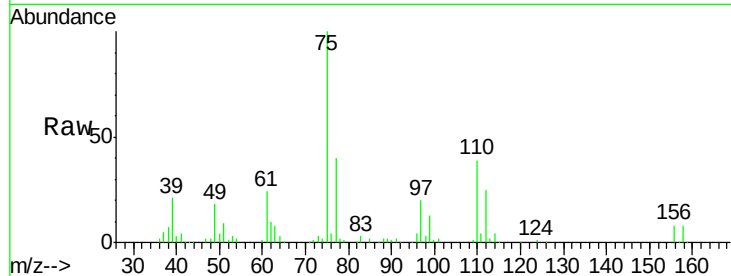
75 100

77 0.0 0.0 0.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN055978.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3348) (-)

150000

100000

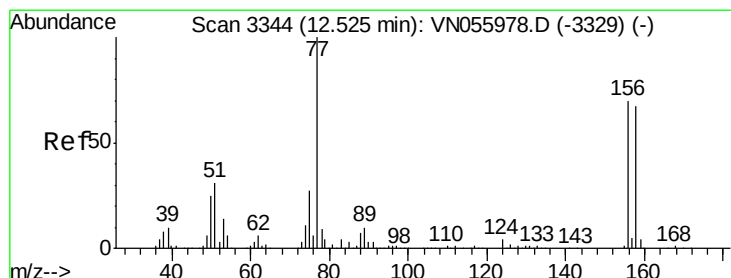
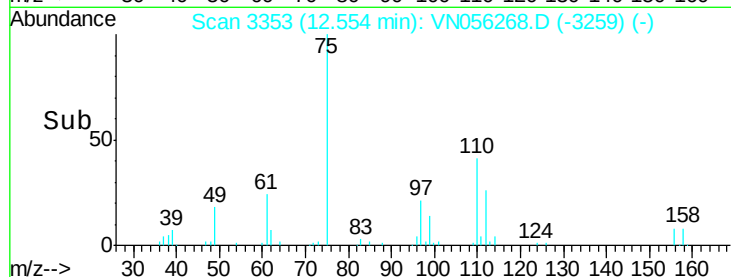
50000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 49.002 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

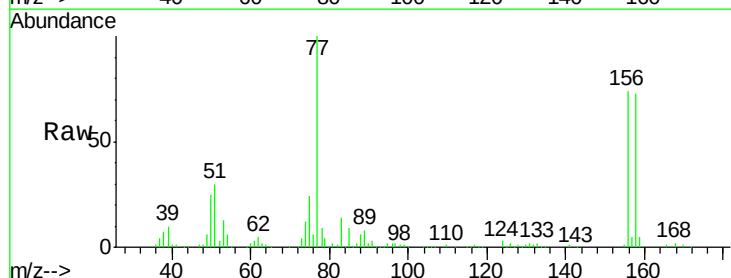
Tgt Ion: 156 Resp: 184130

Ion Ratio Lower Upper

156 100

77 162.9 90.8 272.5

158 97.9 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): VN055978.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN055978.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN055978.D (-3329) (-)

150000

100000

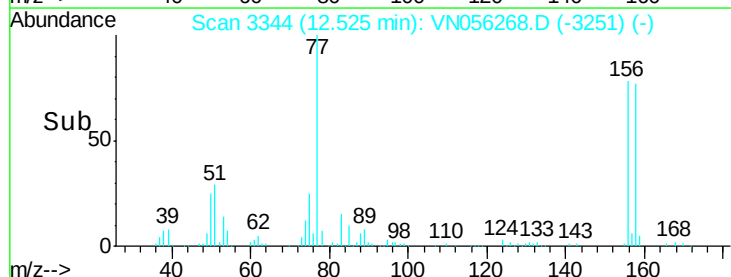
50000

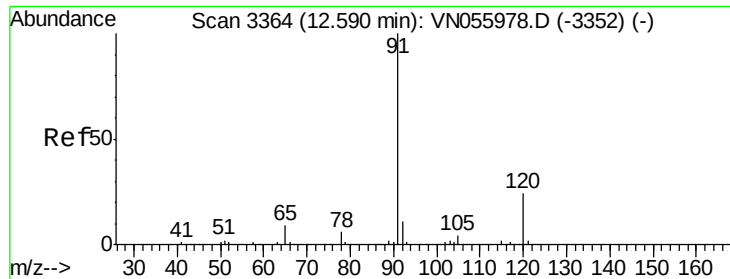
0

12.53

12.60

Time-->





#78

n-propylbenzene

Concen: 45.230 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion: 91 Resp: 671574

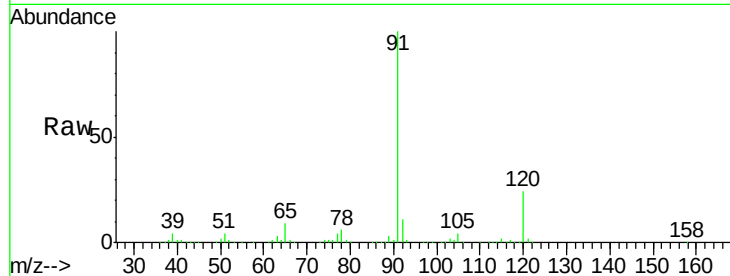
Ion Ratio Lower Upper

91 100

120 24.9 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3352) (-)

12.59

400000

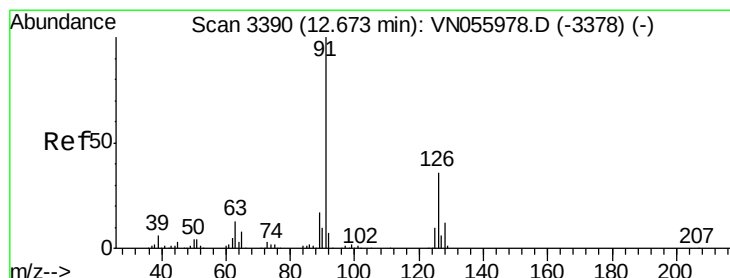
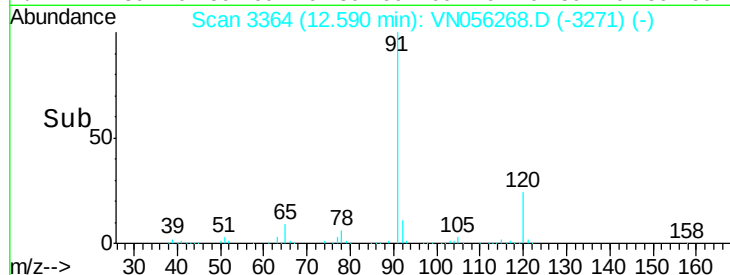
300000

200000

100000

0

Time-->



#79

2-Chlorotoluene

Concen: 50.196 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056268.D

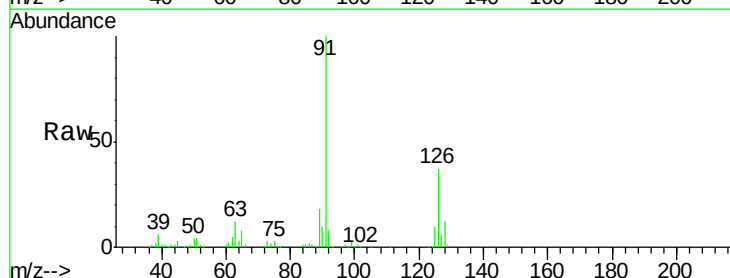
Acq: 12 Jun 2019 22:59

Tgt Ion: 91 Resp: 413318

Ion Ratio Lower Upper

91 100

126 37.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)

12.67

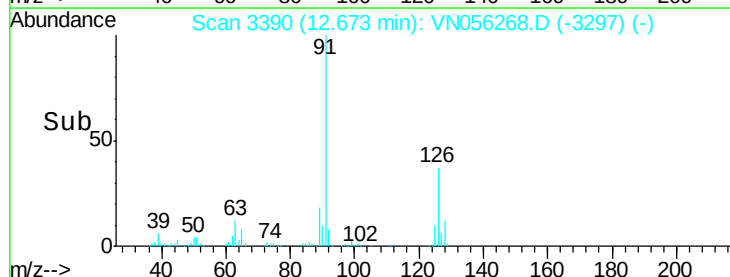
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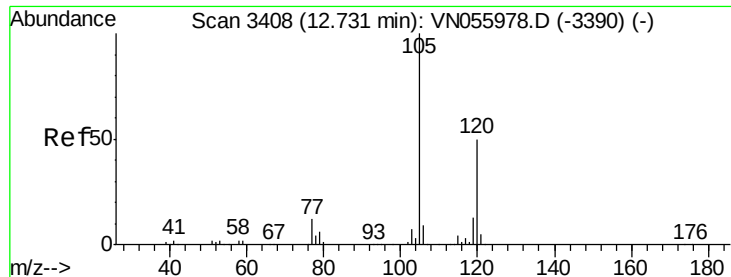
200000

100000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 44.590 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

ClientSampleId :

RE104D2-20190607MSD

Tot Ion:105 Resp: 526177

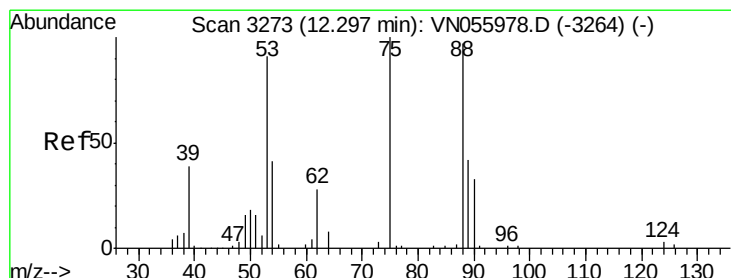
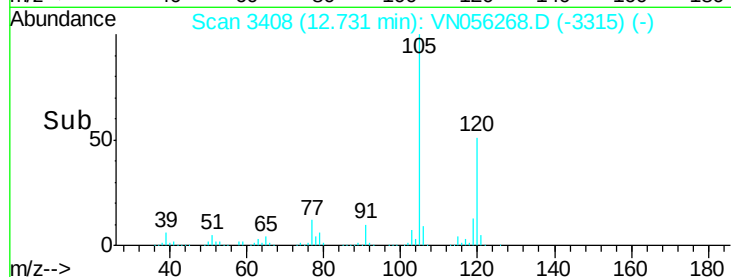
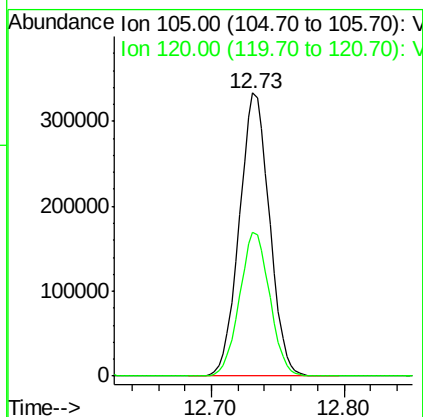
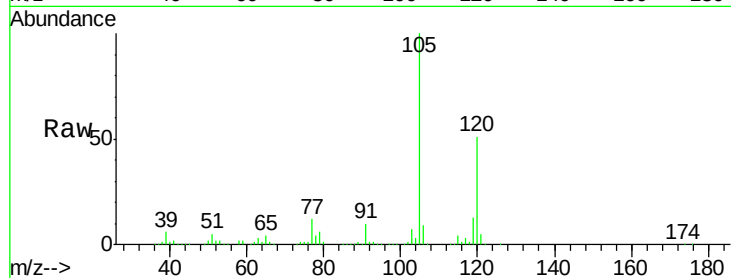
Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1

Manual Integrations
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6/13/2019 11:08:59 AM



#81

trans-1,4-Dichloro-2-butene

Concen: 43.868 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

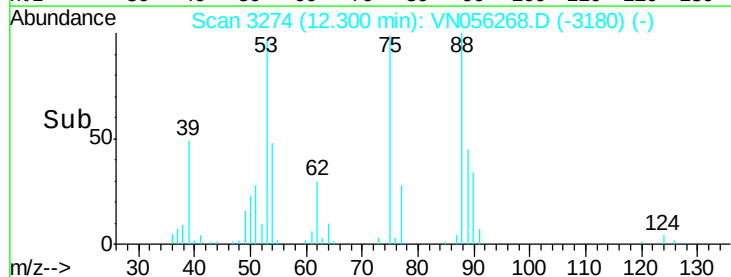
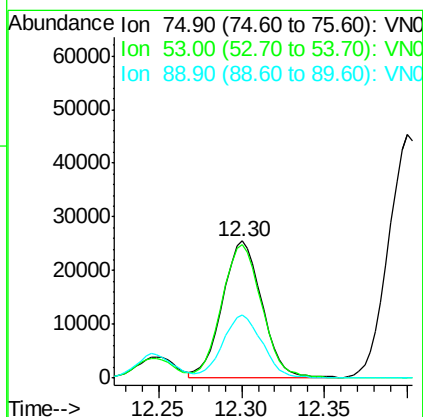
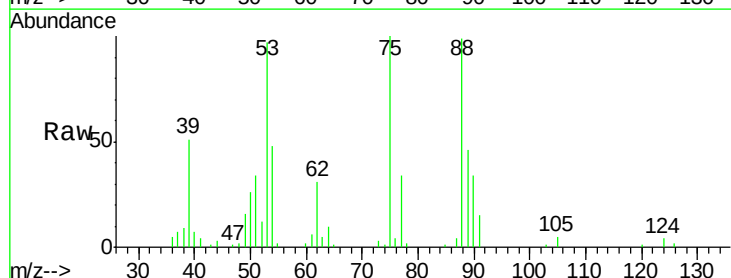
Tgt Ion: 75 Resp: 42541

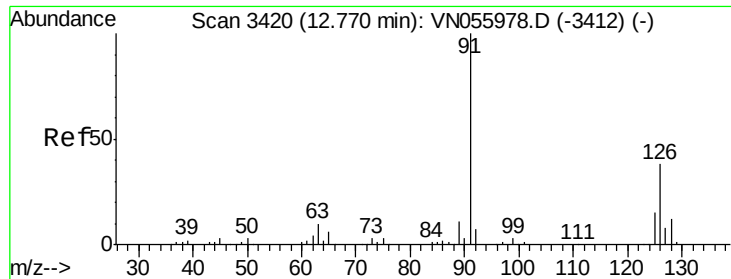
Ion Ratio Lower Upper

75 100

53 98.6 68.1 102.1

89 46.0 36.9 55.3





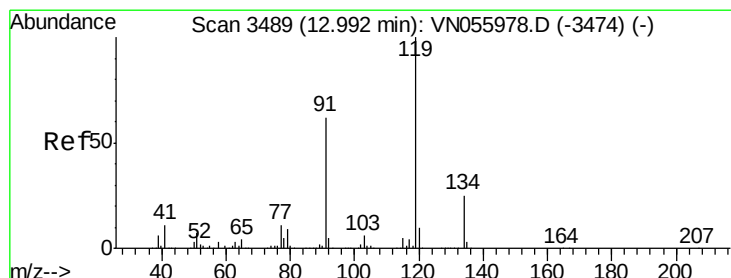
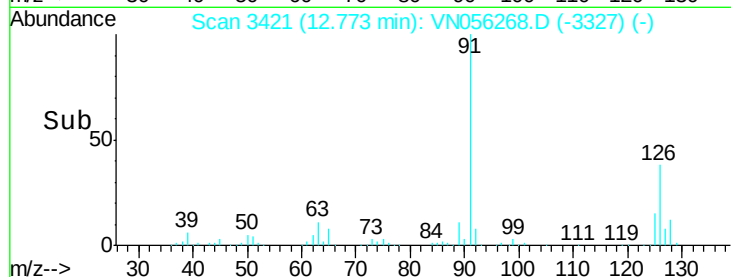
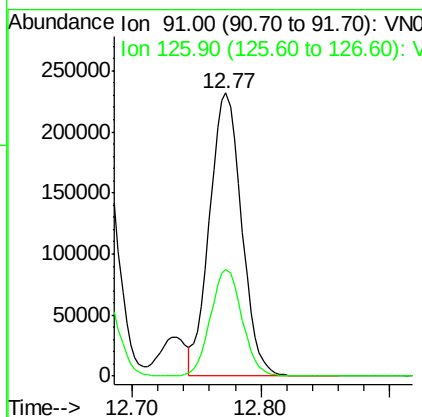
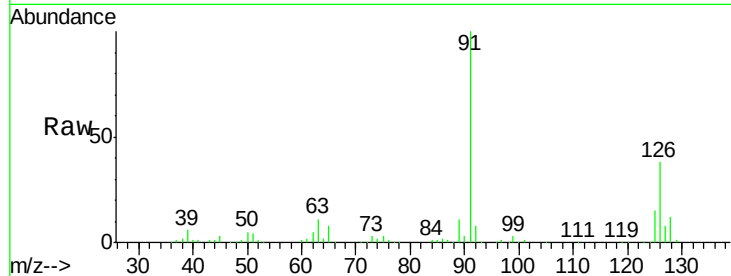
#82
4-Chlorotoluene
Concen: 45.925 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion: 91 Resp: 398937
Ion Ratio Lower Upper
91 100
126 37.2 17.8 53.3

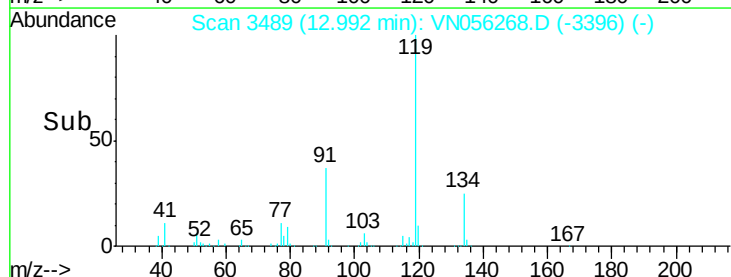
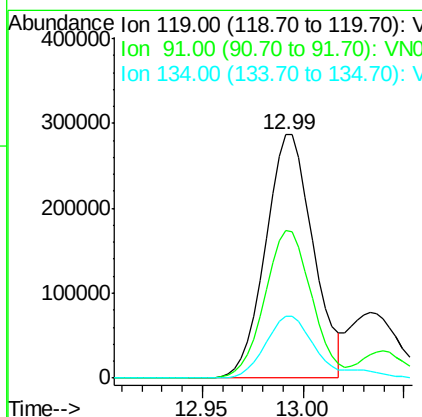
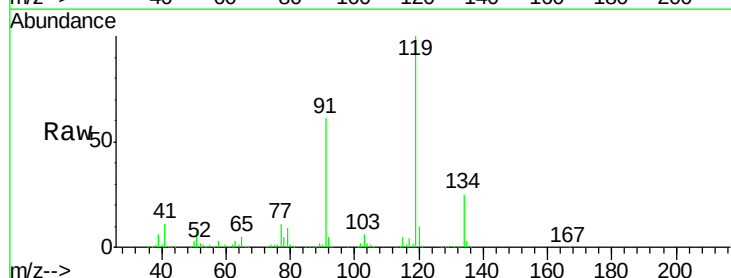
Manual Integrations
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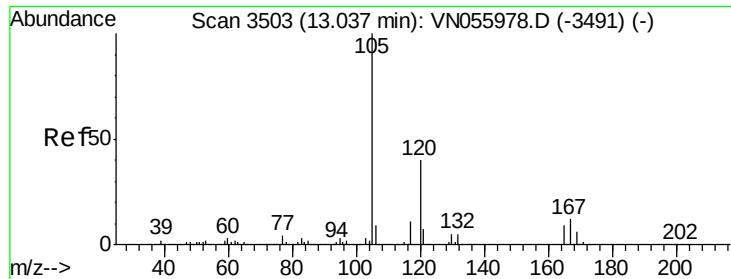
MMDadoda
6/13/2019 11:08:59 AM



#83
tert-Butylbenzene
Concen: 51.400 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion: 119 Resp: 469910
Ion Ratio Lower Upper
119 100
91 60.0 30.9 92.8
134 28.0 13.3 39.8





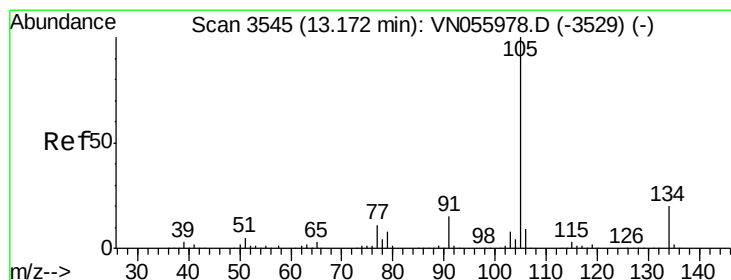
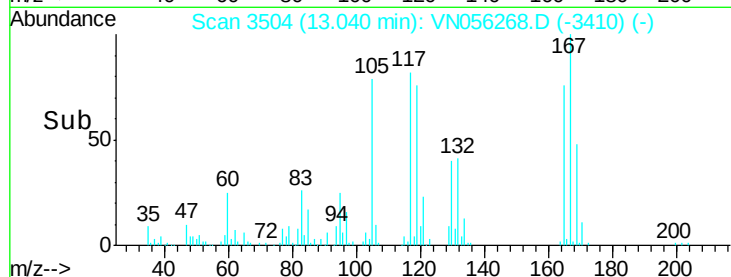
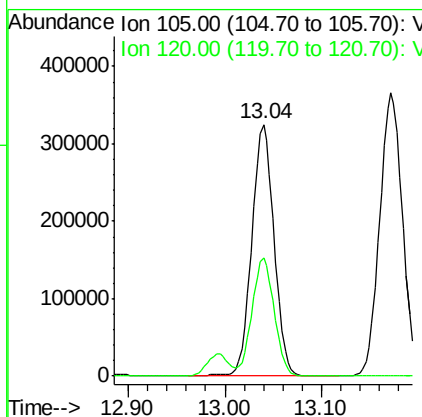
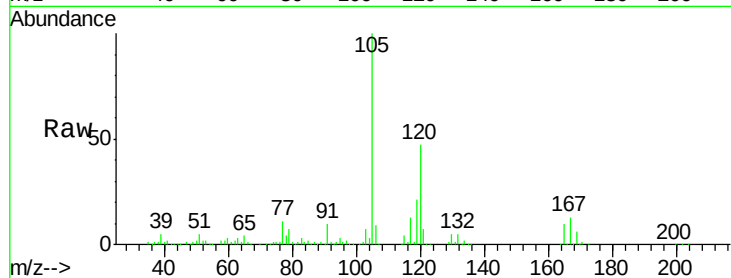
#84
 1,2,4-Trimethylbenzene
 Concen: 46.355 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.0	69.0

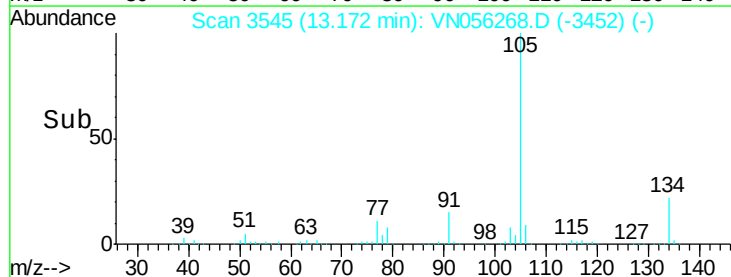
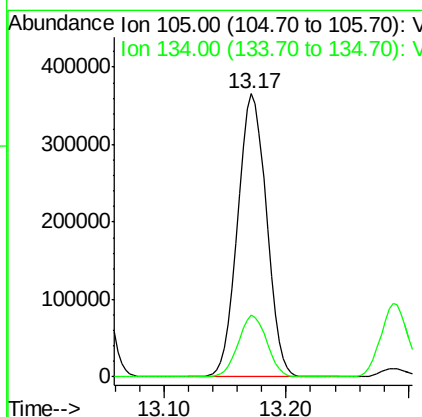
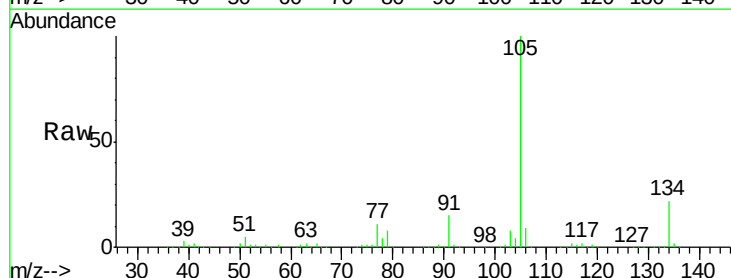
Manual Integrations
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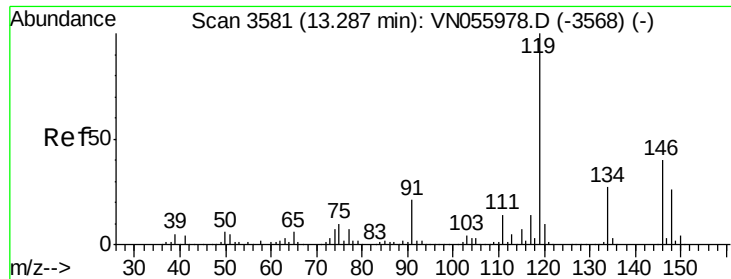
MMDadoda
 6/13/2019 11:08:59 AM



#85
 sec-Butylbenzene
 Concen: 45.363 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.4	31.2





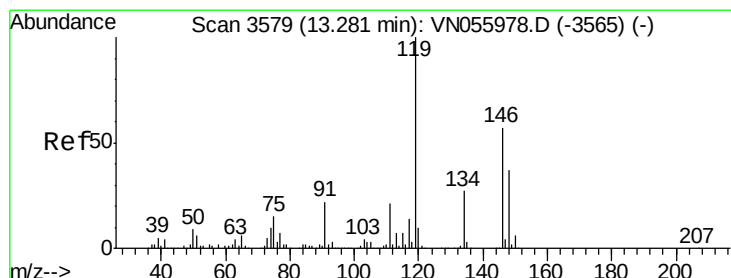
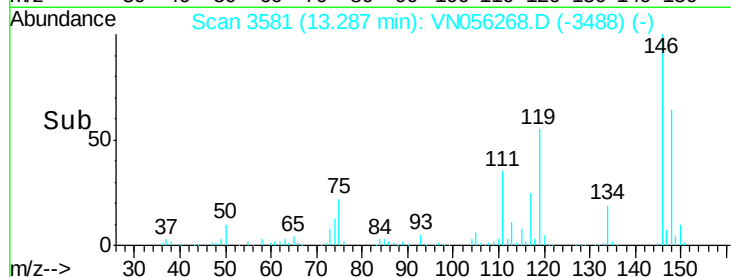
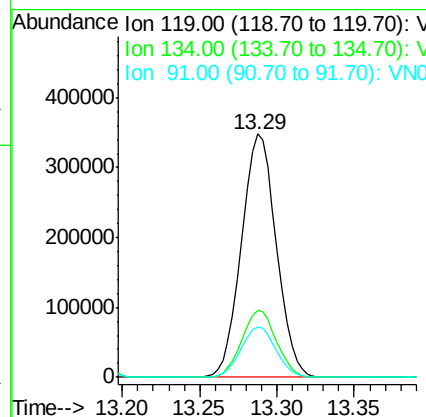
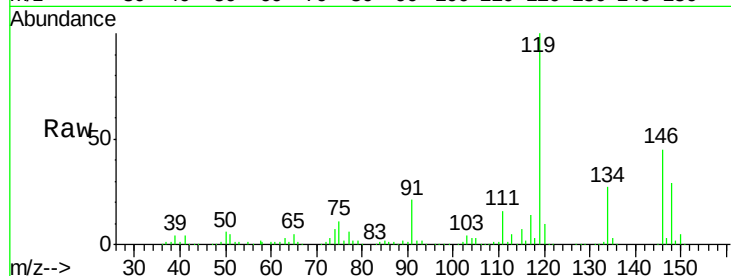
#86
 p-Isopropyltoluene
 Concen: 46.105 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.4	40.1
91	20.9	10.9	32.9

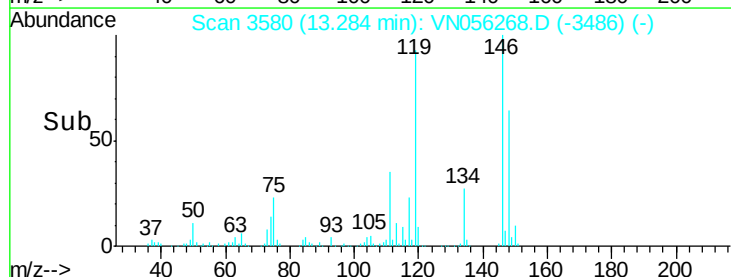
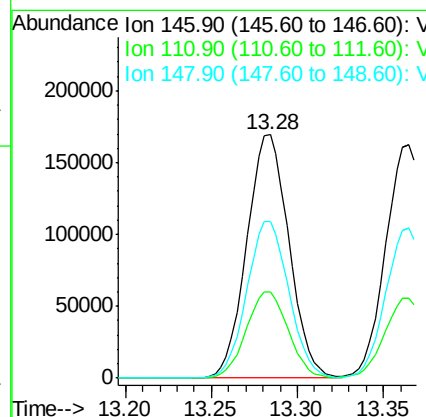
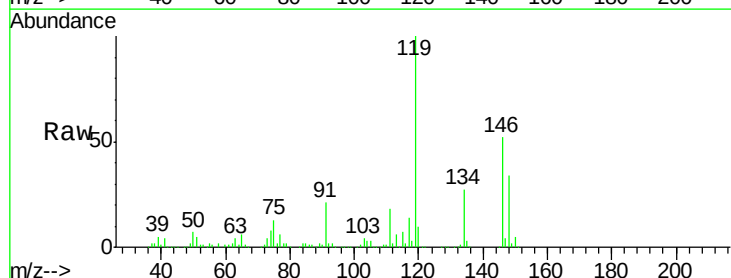
Manual Integrations
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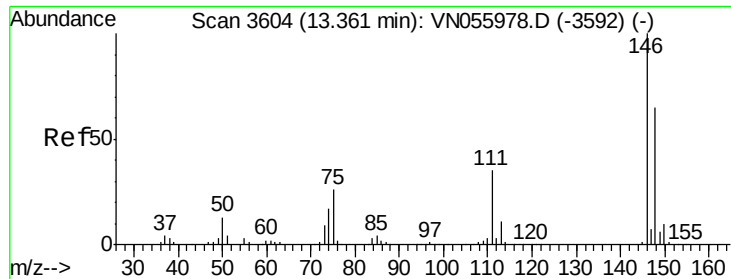
MMDadoda
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#87
 1,3-Dichlorobenzene
 Concen: 49.593 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	18.5	55.5
148	64.2	32.0	96.2





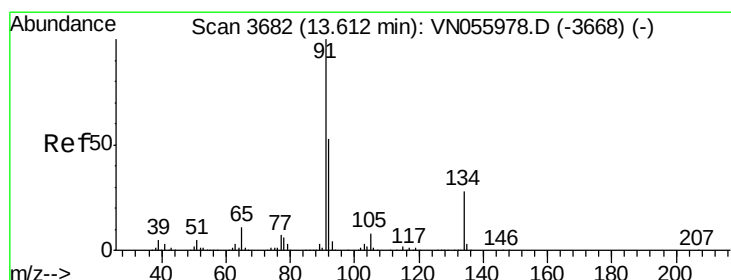
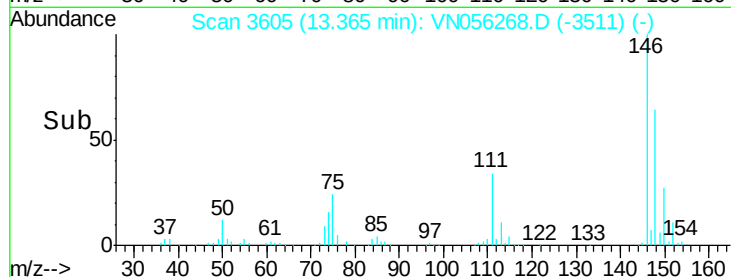
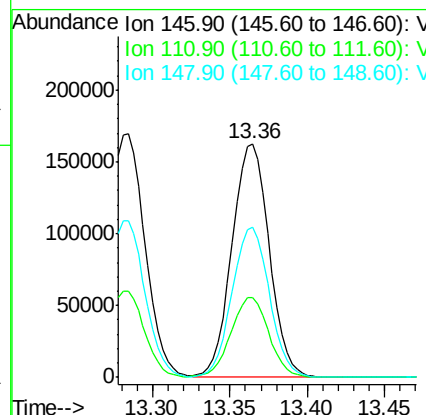
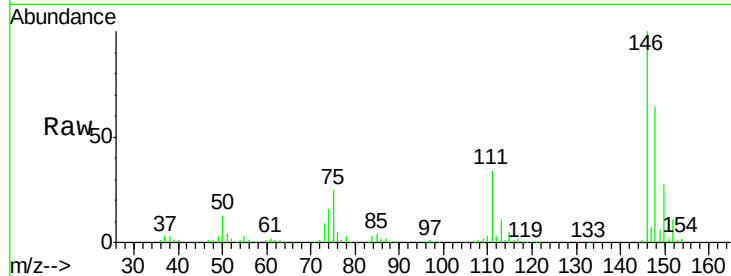
#88
 1,4-Dichlorobenzene
 Concen: 48.656 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.7	18.1	54.4
148	64.2	32.1	96.5

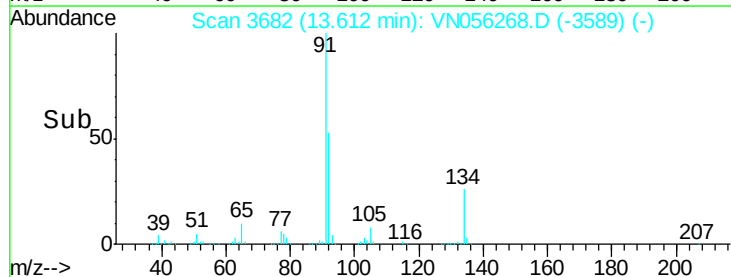
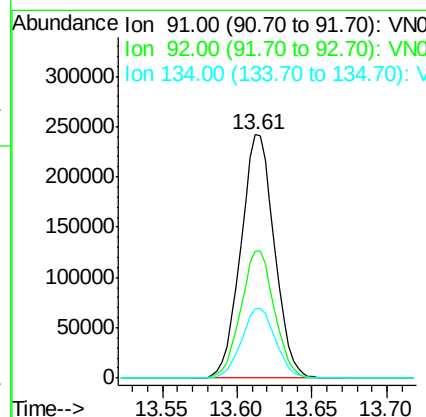
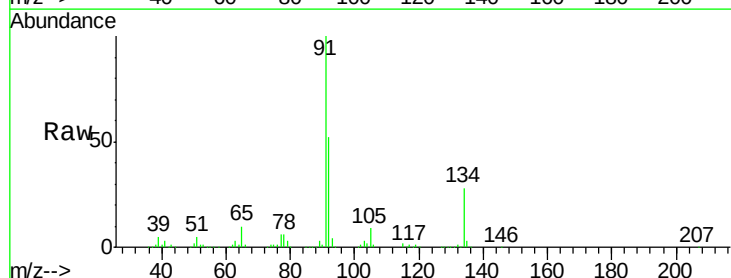
Manual Integrations
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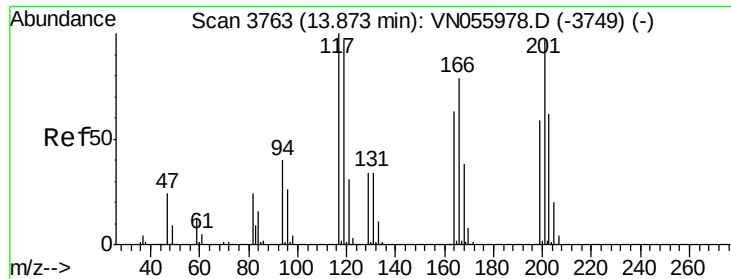
MMDadoda
 6/13/2019 11:08:59 AM



#89
 n-Butylbenzene
 Concen: 43.285 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.4	79.0
134	28.9	13.9	41.7





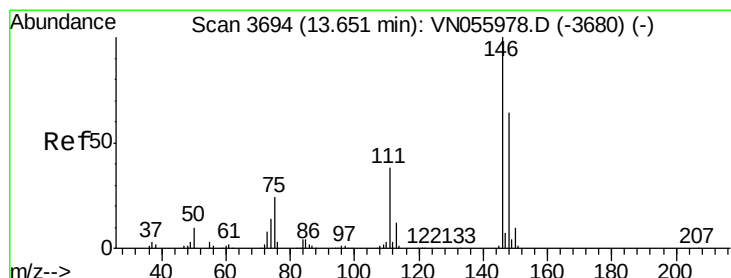
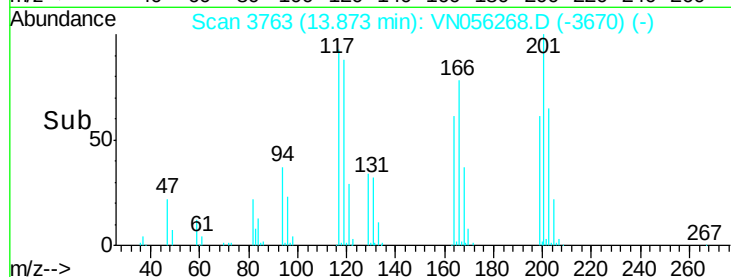
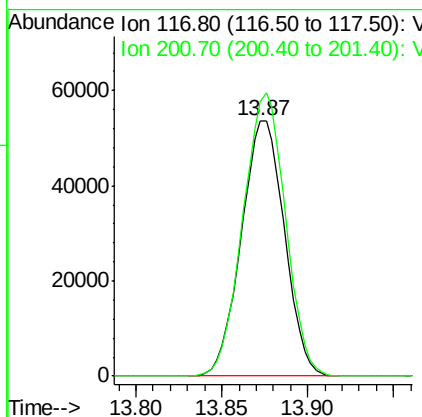
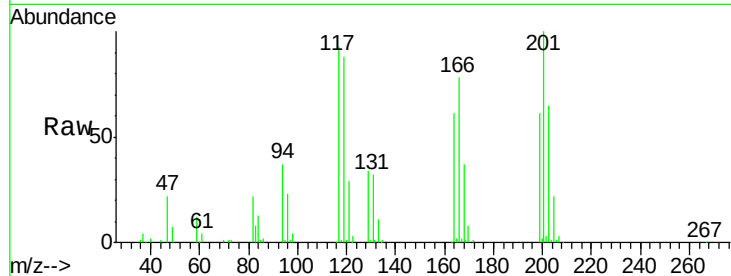
#90
Hexachloroethane
Concen: 52.512 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Instrument :
MSVOA_N
ClientSampleId :
RE104D2-20190607MSD

Tot Ion:117 Resp: 93194
Ion Ratio Lower Upper
117 100
201 109.5 50.0 150.0

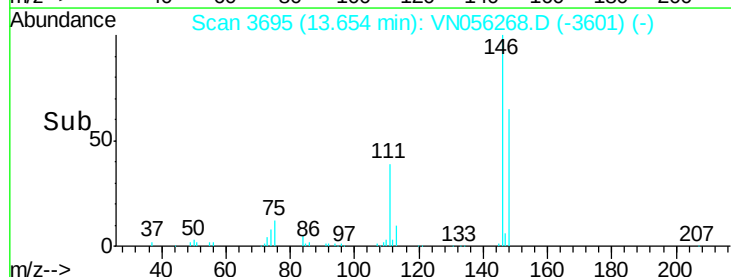
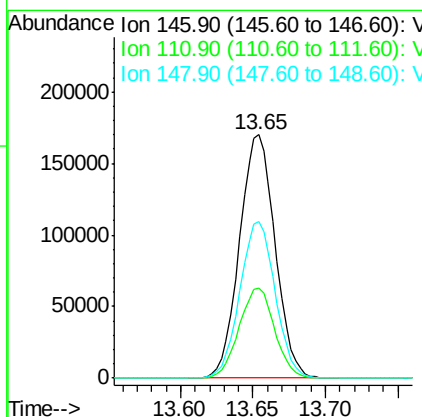
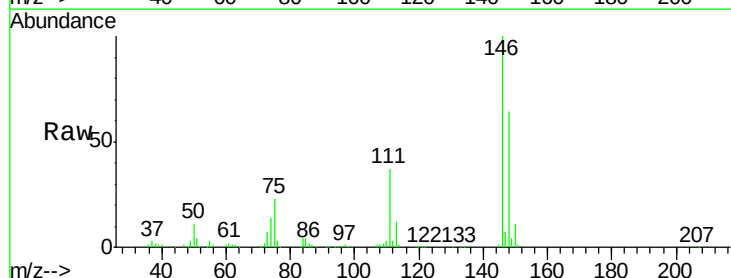
Manual Integrations
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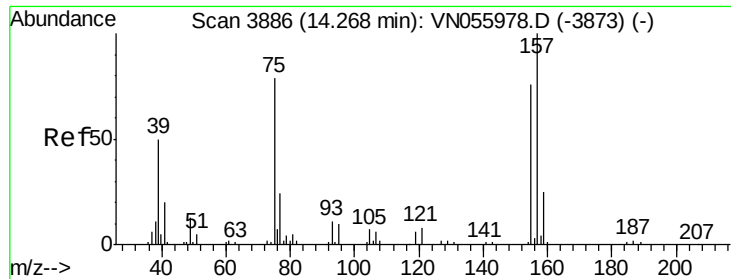
MMDadoda
6/13/2019 11:08:59 AM



#91
1,2-Dichlorobenzene
Concen: 49.395 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN056268.D
Acq: 12 Jun 2019 22:59

Tgt Ion:146 Resp: 290027
Ion Ratio Lower Upper
146 100
111 36.9 19.1 57.5
148 63.9 31.9 95.9





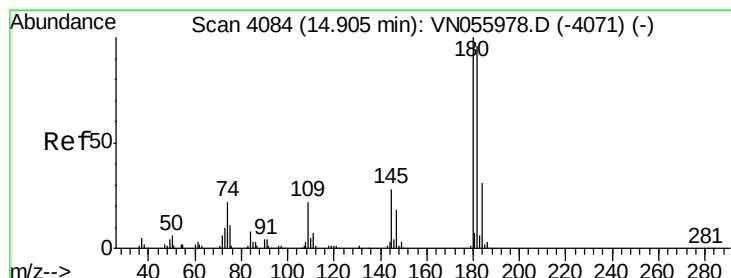
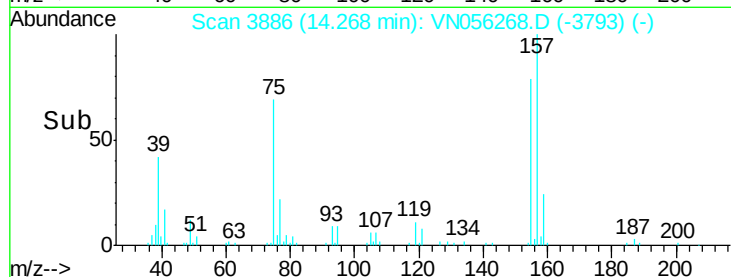
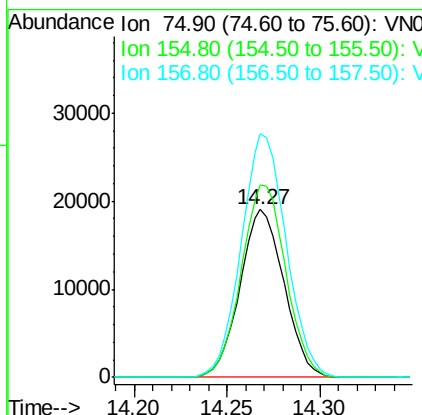
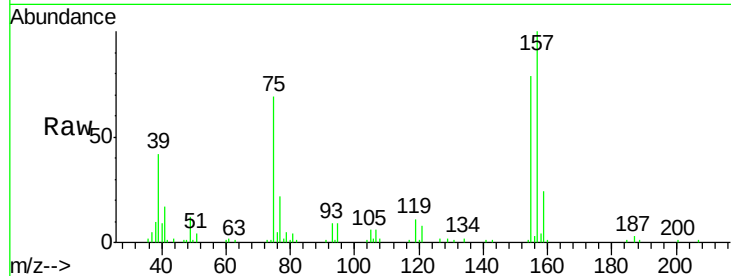
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.034 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	116.0	50.0	150.1
157	148.7	64.8	194.3

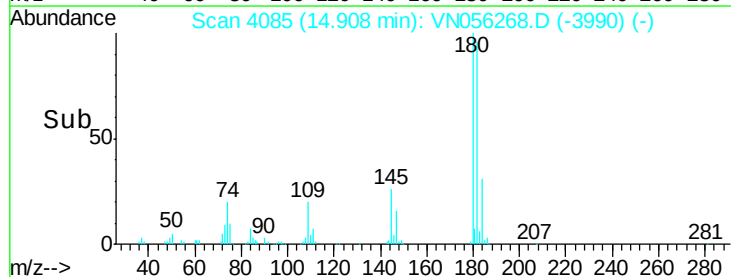
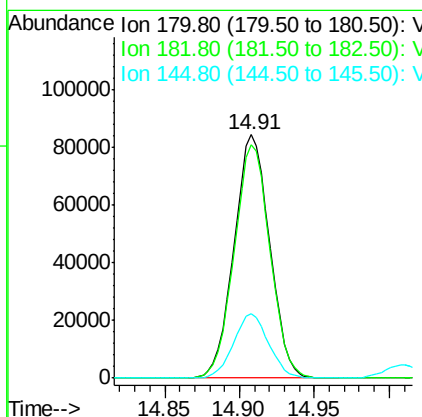
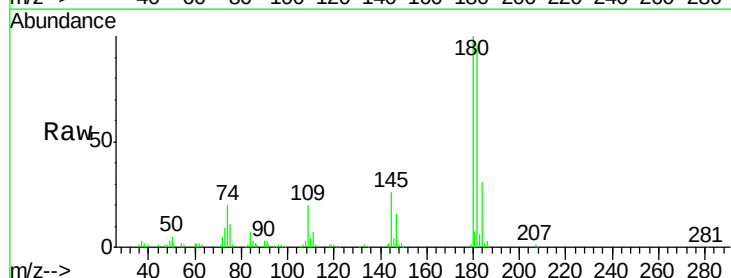
Manual Integrations
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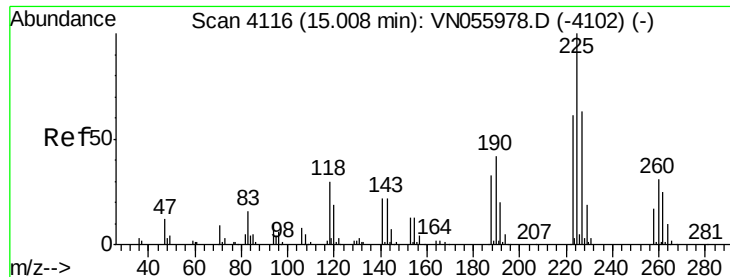
MMDadoda
 6/13/2019 11:08:59 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 43.626 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.3	144.9
145	26.1	14.0	41.9





#94

Hexachlorobutadiene

Concen: 57.952 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Instrument :

MSVOA_N

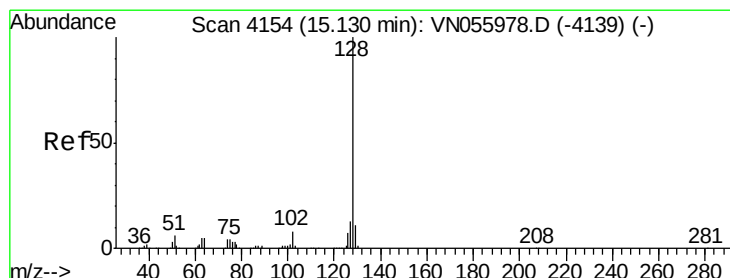
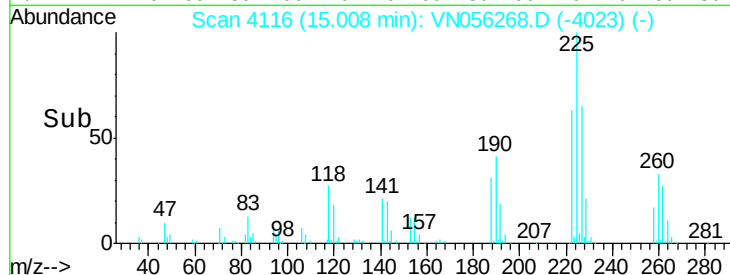
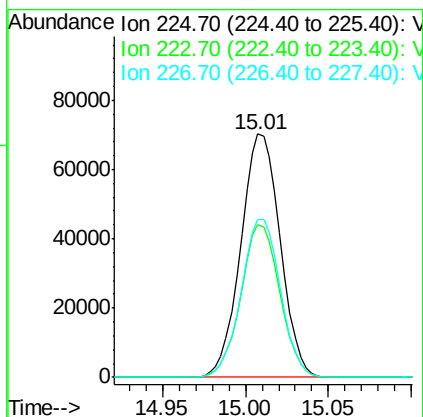
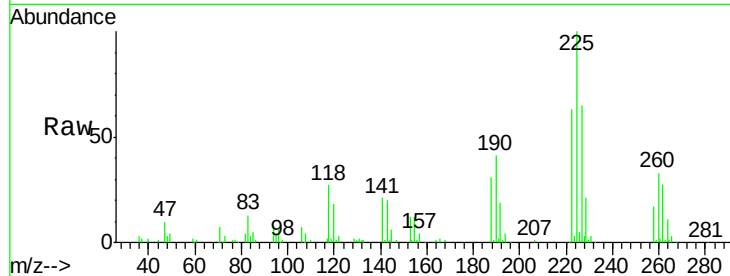
ClientSampleId :

RE104D2-20190607MSD

Tot Ion:	225	Resp:	116038
Ion Ratio		Lower	Upper
225	100		
223	62.2	30.9	92.7
227	64.6	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
6/13/2019 11:08:59 AM



#95

Naphthalene

Concen: 42.834 ug/l

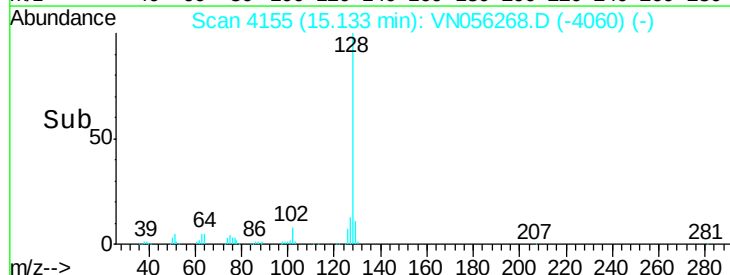
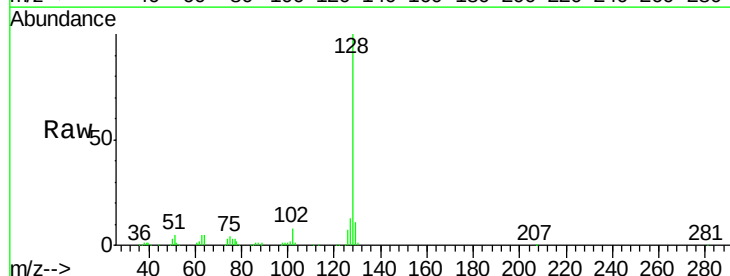
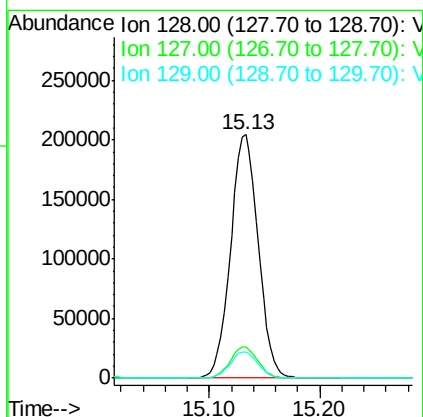
RT: 15.13 min Scan# 4155

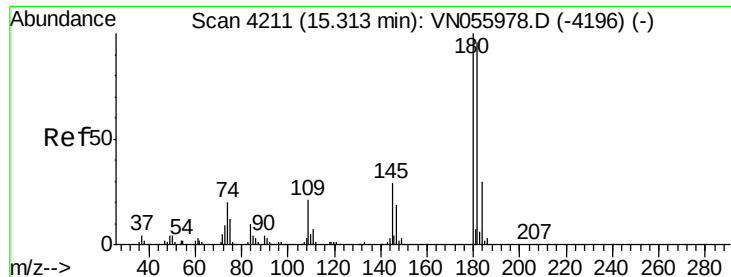
Delta R.T. 0.00 min

Lab File: VN056268.D

Acq: 12 Jun 2019 22:59

Tgt Ion:	128	Resp:	354558
Ion Ratio		Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 48.390 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056268.D
 Acq: 12 Jun 2019 22:59

Instrument :
 MSVOA_N
 ClientSampleId :
 RE104D2-20190607MSD

Tot Ion:	180	Resp:	159221
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.7
145	28.1	14.9	44.7

Manual Integrations
 APPROVED

MMDadoda
 6/13/2019 11:08:59 AM

