

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056851.D
 Acq On : 22 Jul 2019 12:21
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:07 PM

Quant Time: Jul 23 01:23:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	357817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	542659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	460809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	18861	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
35) Dibromofluoromethane	7.59	113	16935	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
50) Toluene-d8	10.09	98	62736	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
62) 4-Bromofluorobenzene	12.40	95	17690	4.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.06%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	15403	4.278	ug/l	97
3) Chloromethane	2.06	50	21564	4.594	ug/l	100
4) Vinyl Chloride	2.19	62	20079	4.474	ug/l	100
5) Bromomethane	2.55	94	14668	5.572	ug/l	96
6) Chloroethane	2.70	64	11430	4.439	ug/l	94
7) Trichlorofluoromethane	3.01	101	26782	4.725	ug/l	98
8) Diethyl Ether	3.40	74	10537	4.851	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	16479	4.827	ug/l	98
10) Methyl Iodide	3.94	142	16753	3.643	ug/l	98
11) Tert butyl alcohol	4.81	59	11498	17.848	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	16191	4.730	ug/l	96
13) Acrolein	3.60	56	11807	39.983	ug/l	97
14) Allyl chloride	4.31	41	26239	4.484	ug/l	97
15) Acrylonitrile	4.99	53	35871	19.080	ug/l	99
16) Acetone	3.82	43	33898	19.351	ug/l	94
17) Carbon Disulfide	4.04	76	41081	4.509	ug/l	99
18) Methyl Acetate	4.33	43	23445	4.680	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	46343	4.301	ug/l	100
20) Methylene Chloride	4.55	84	20075	4.960	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	16796	4.659	ug/l	97
22) Diisopropyl ether	5.96	45	53955	4.648	ug/l	95
23) Vinyl Acetate	5.90	43	190103	20.658	ug/l	99
24) 1,1-Dichloroethane	5.84	63	31151	4.624	ug/l	95
25) 2-Butanone	6.84	43	45929	17.775	ug/l	99
26) 2,2-Dichloropropane	6.82	77	21954	4.567	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	19794	4.785	ug/l	99
28) Bromochloromethane	7.19	49	15341	4.880	ug/l #	99
29) Tetrahydrofuran	7.22	42	31039	18.284	ug/l	96
30) Chloroform	7.37	83	31560	4.678	ug/l	94
31) Cyclohexane	7.65	56	33971	5.292	ug/l #	73
32) 1,1,1-Trichloroethane	7.56	97	25567	4.787	ug/l	99
36) 1,1-Dichloropropene	7.79	75	23309	4.578	ug/l	97
37) Ethyl Acetate	6.94	43	17198	3.546	ug/l #	95
38) Carbon Tetrachloride	7.77	117	22184	4.648	ug/l	98

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 Sample : VSTDIC005
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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	28688	4.566	ug/l	92
40) Benzene	8.04	78	74104	4.752	ug/l	97
41) Methacrylonitrile	7.18	41	8806	4.080	ug/l	98
42) 1,2-Dichloroethane	8.12	62	23203	4.723	ug/l	100
43) Isopropyl Acetate	8.16	43	30771	4.007	ug/l	98
44) Trichloroethene	8.83	130	19461	4.590	ug/l	92
45) 1,2-Dichloropropane	9.12	63	19557	4.730	ug/l	98
46) Dibromomethane	9.21	93	12219	4.784	ug/l	99
47) Bromodichloromethane	9.40	83	21874	4.496	ug/l	93
48) Methyl methacrylate	9.20	41	15247	4.083	ug/l	97
49) 1,4-Dioxane	9.20	88	6027	78.103	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	91629	18.571	ug/l	99
52) Toluene	10.15	92	43278	4.666	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	20641	4.080	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	26022	4.420	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	17891	4.641	ug/l	96
56) Ethyl methacrylate	10.43	69	21515	3.923	ug/l	93
57) 1,3-Dichloropropane	10.71	76	28090	4.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	47777	18.501	ug/l	97
59) 2-Hexanone	10.75	43	58690	16.740	ug/l	99
60) Dibromochloromethane	10.90	129	15707	4.137	ug/l	99
61) 1,2-Dibromoethane	11.00	107	16929	4.414	ug/l	97
64) Tetrachloroethene	10.63	164	20201	5.008	ug/l	97
65) Chlorobenzene	11.43	112	45372	4.753	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	17052	4.855	ug/l	98
67) Ethyl Benzene	11.51	91	75738	4.521	ug/l	96
68) m/p-Xylenes	11.62	106	55814	8.919	ug/l	99
69) o-Xylene	11.95	106	26919	4.374	ug/l	95
70) Styrene	11.96	104	41318	4.158	ug/l	97
71) Bromoform	12.13	173	10375	3.943	ug/l #	99
73) Isopropylbenzene	12.25	105	72725	5.703	ug/l	99
74) N-amyl acetate	12.07	43	21332	4.593	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	21317	5.067	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	18354m	5.433	ug/l	
77) Bromobenzene	12.52	156	17999	5.400	ug/l	97
78) n-propylbenzene	12.59	91	72276	5.131	ug/l	98
79) 2-Chlorotoluene	12.67	91	46233	5.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	59542	5.524	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	4589	4.216	ug/l #	86
82) 4-Chlorotoluene	12.77	91	42291	5.113	ug/l	100
83) tert-Butylbenzene	12.99	119	52604	5.593	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	54453	5.181	ug/l	99
85) sec-Butylbenzene	13.17	105	66097	5.509	ug/l	99
86) p-Isopropyltoluene	13.29	119	58475	5.391	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26206	4.835	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	25455	4.830	ug/l	95
89) n-Butylbenzene	13.61	91	40892	4.708	ug/l	97
90) Hexachloroethane	13.87	117	10121	5.724	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	26404	4.771	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2741	4.162	ug/l	92

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MSVOA_N
ClientSampleId :
VSTDICC005

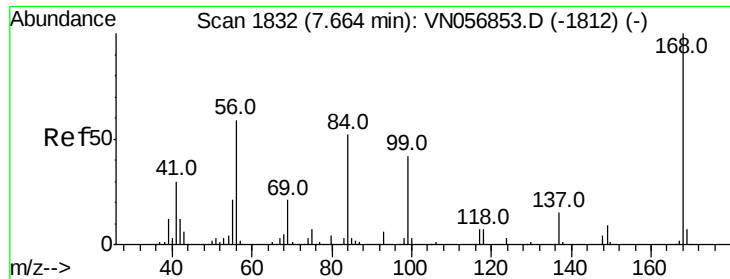
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 23 01:05:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	7593	3.046	ug/l	98
94) Hexachlorobutadiene	15.00	225	11459	5.746	ug/l	99
95) Naphthalene	15.13	128	18738	2.813	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	9732	3.735	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 357817

Ion Ratio Lower Upper

168 100

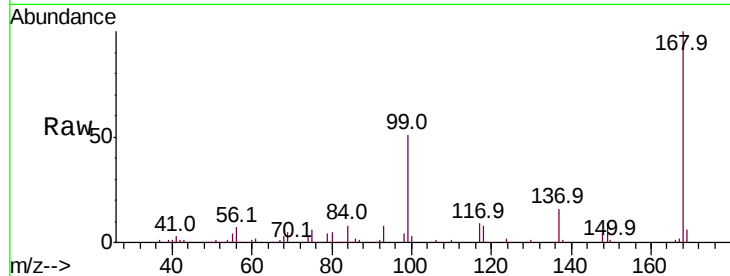
99 50.4 40.9 61.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN056851.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN056851.D (-1812) (-)

7.66

150000

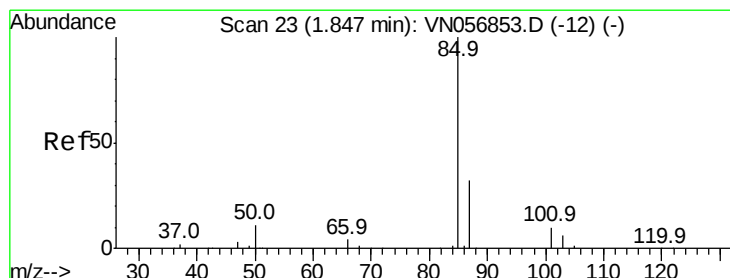
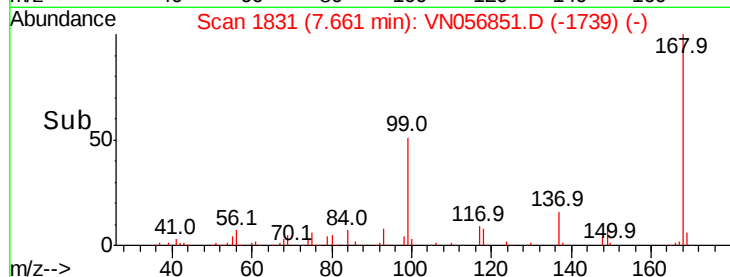
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.278 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056851.D

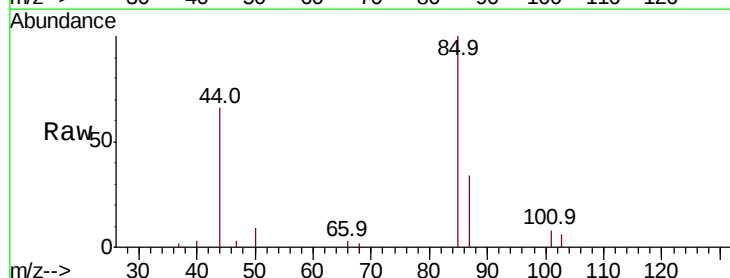
Acq: 22 Jul 2019 12:21

Tgt Ion: 85 Resp: 15403

Ion Ratio Lower Upper

85 100

87 34.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN056851.D (-12) (-)

Ion 86.90 (86.60 to 87.60): VN056851.D (-12) (-)

1.85

12000

10000

8000

6000

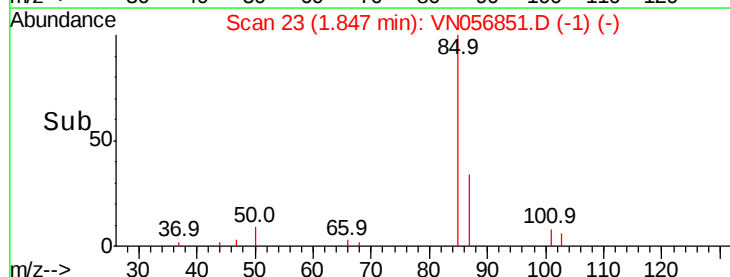
4000

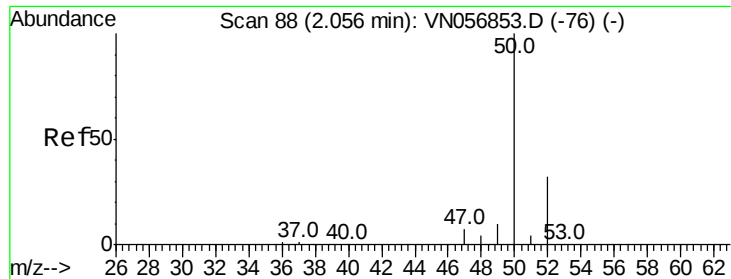
2000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 4.594 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 21564

Ion Ratio Lower Upper

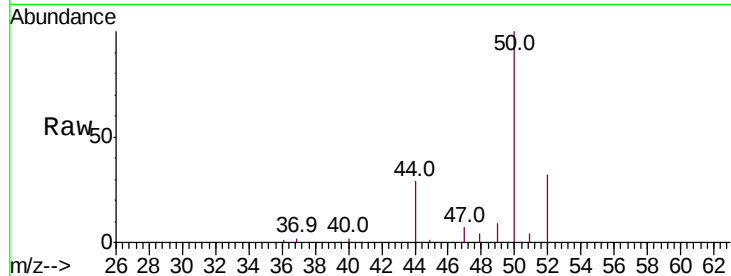
50 100

52 32.5 25.9 38.9

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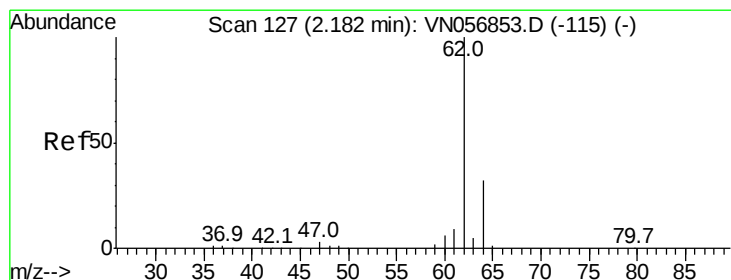
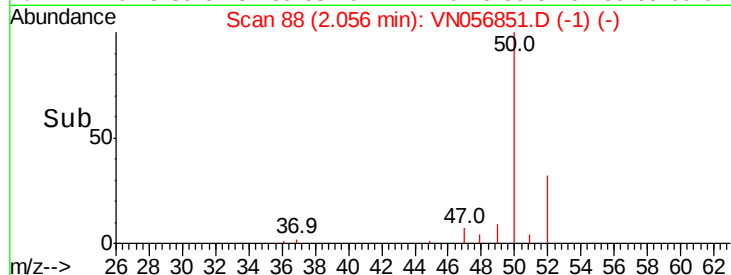
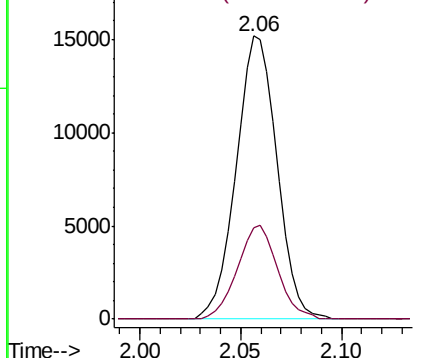
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 4.474 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN056851.D

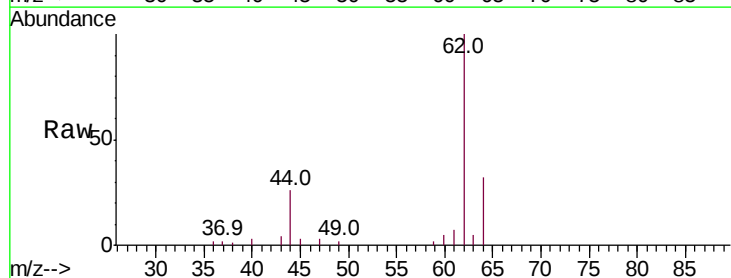
Acq: 22 Jul 2019 12:21

Tgt Ion: 62 Resp: 20079

Ion Ratio Lower Upper

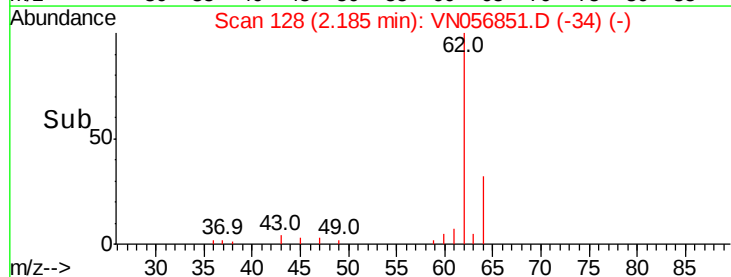
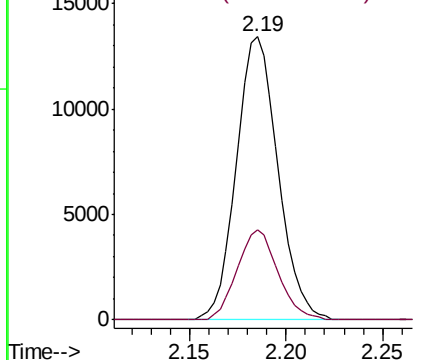
62 100

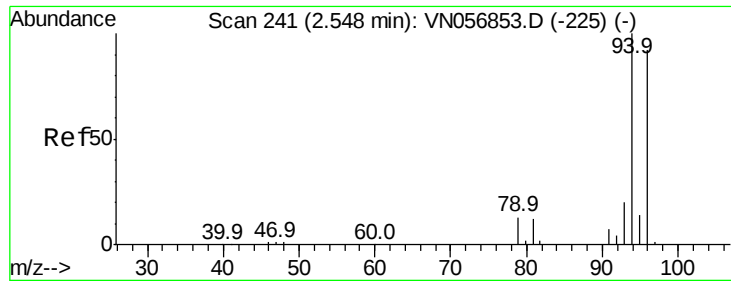
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.572 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14668

Ion Ratio Lower Upper

94 100

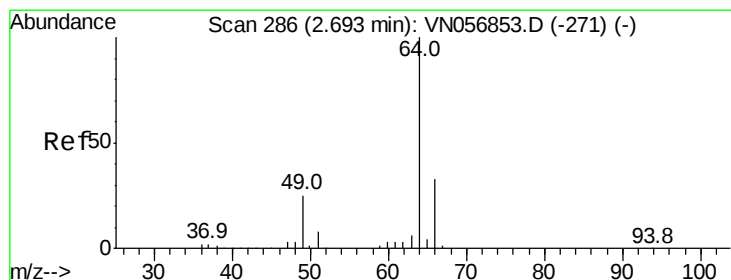
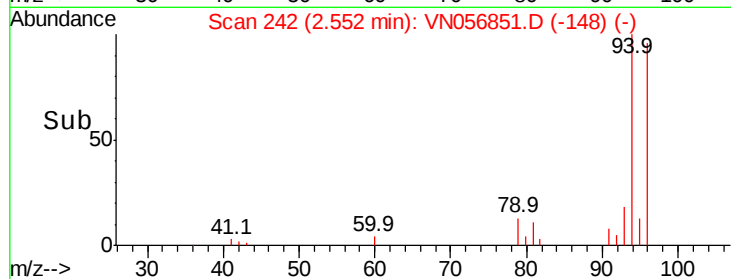
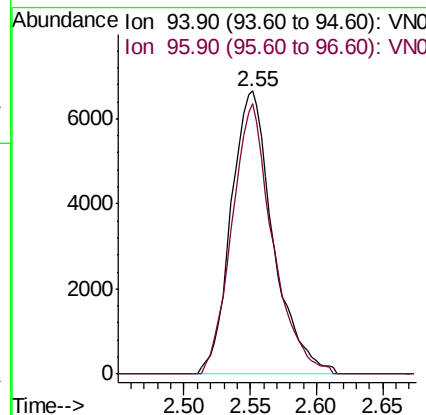
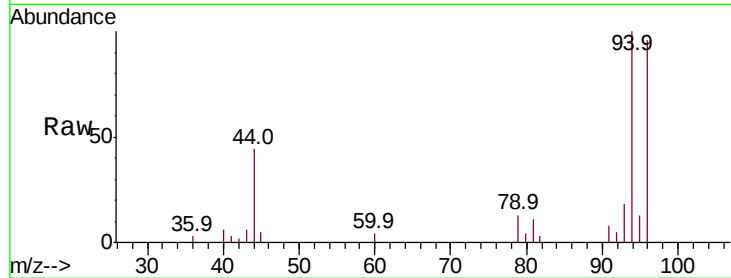
96 95.7 73.6 110.4

Manual Integrations

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7/25/2019 3:01:07 PM



#6

Chloroethane

Concen: 4.439 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN056851.D

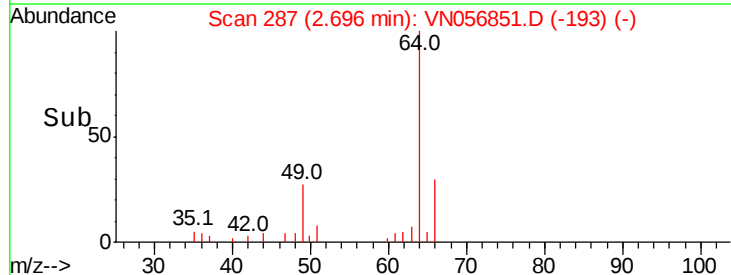
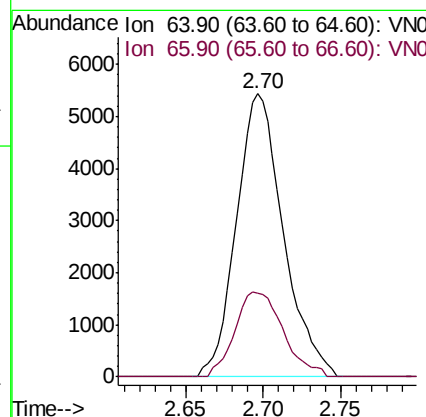
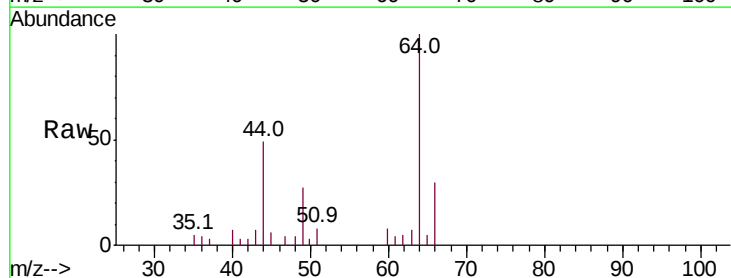
Acq: 22 Jul 2019 12:21

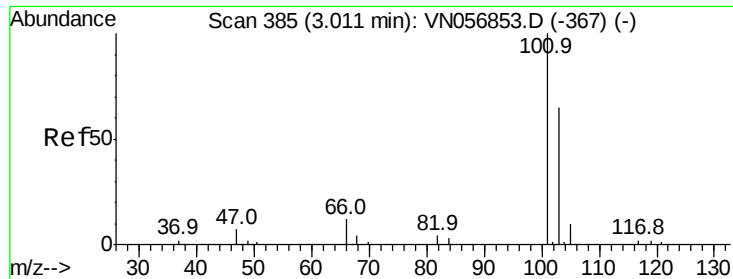
Tgt Ion: 64 Resp: 11430

Ion Ratio Lower Upper

64 100

66 29.6 26.4 39.6





#7

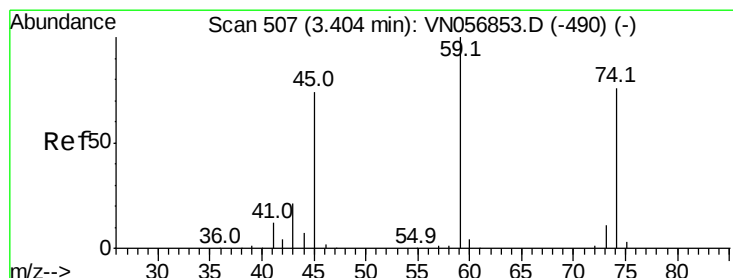
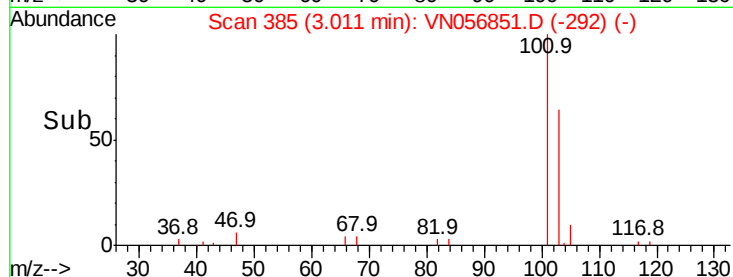
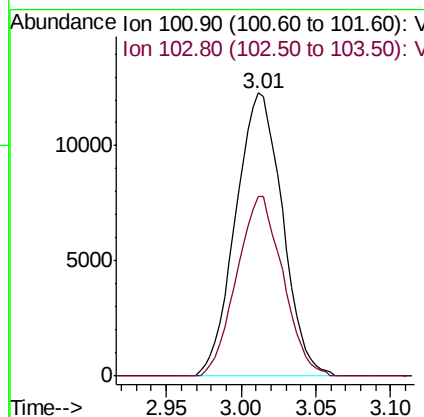
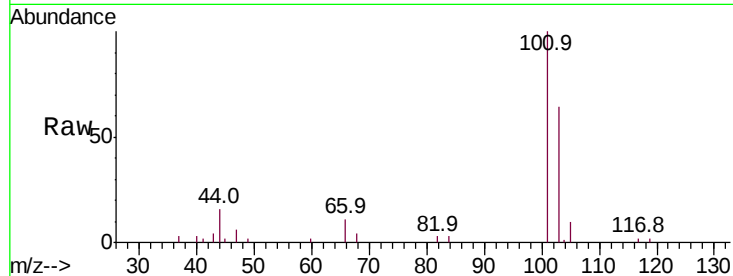
Trichlorofluoromethane
 Concen: 4.725 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.3	78.5

Manual Integrations
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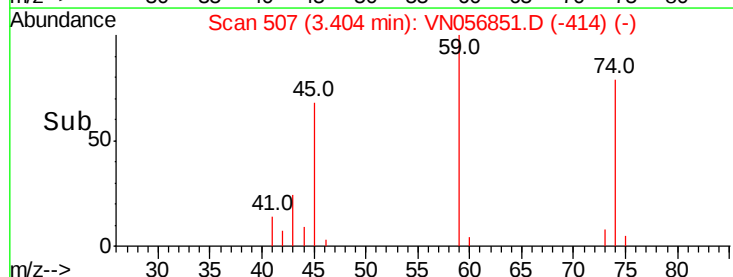
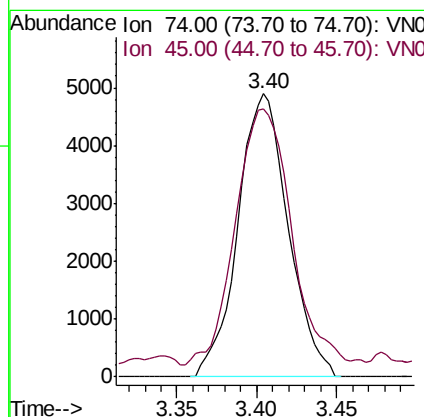
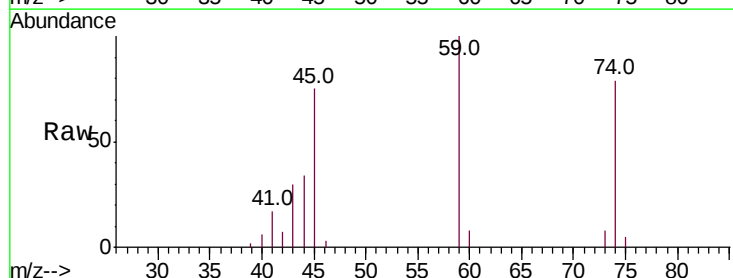
MMDadoda
 7/25/2019 3:01:07 PM

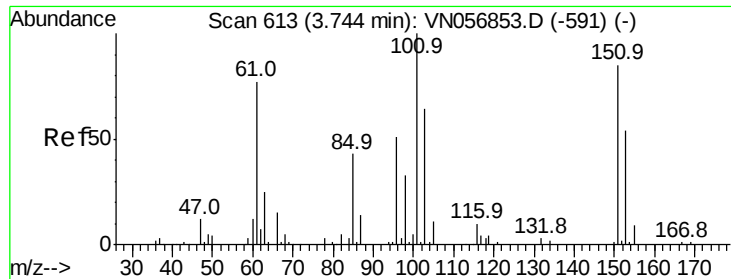


#8

Diethyl Ether
 Concen: 4.851 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	49.2	147.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.827 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 16479

Ion Ratio Lower Upper

101 100

85 44.9 33.7 50.5

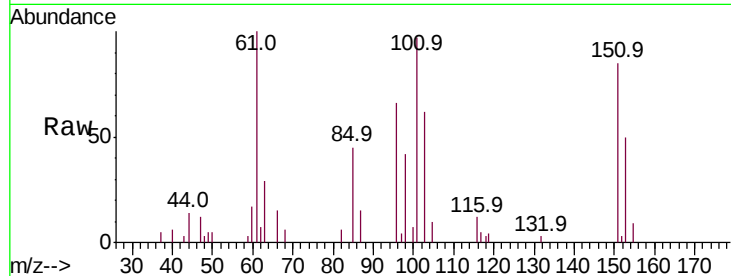
151 85.9 68.1 102.1

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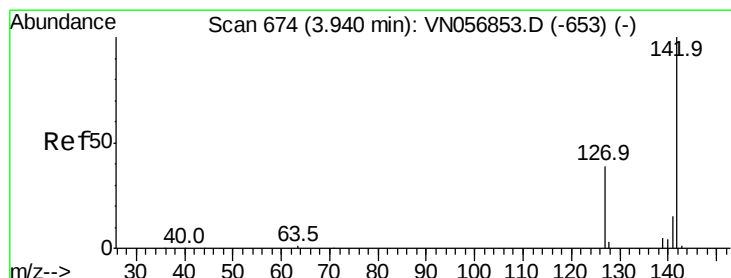
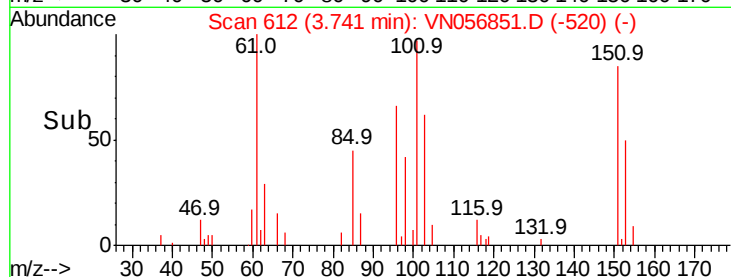
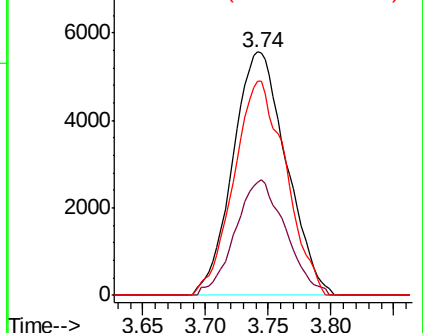
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.643 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

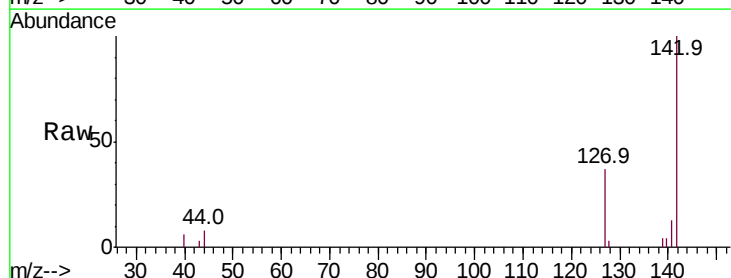
Tgt Ion:142 Resp: 16753

Ion Ratio Lower Upper

142 100

127 38.4 31.2 46.8

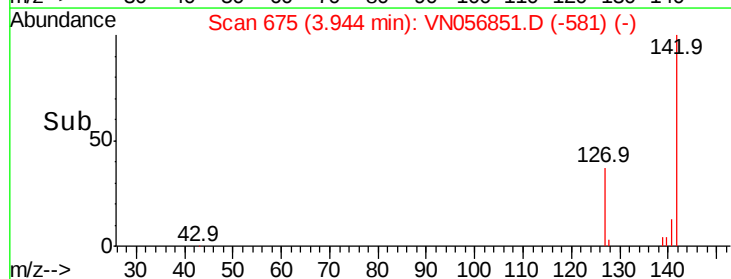
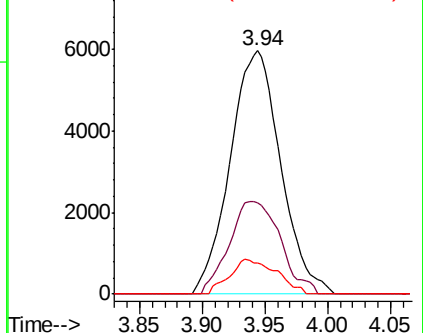
141 13.1 11.4 17.2

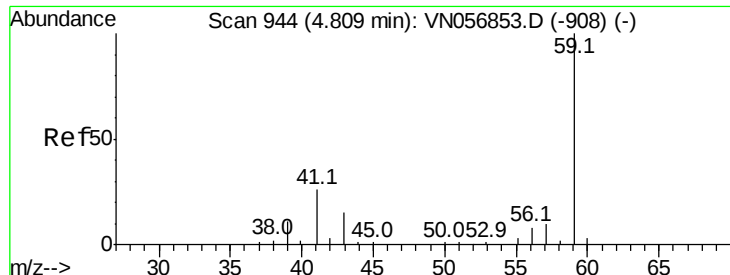


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





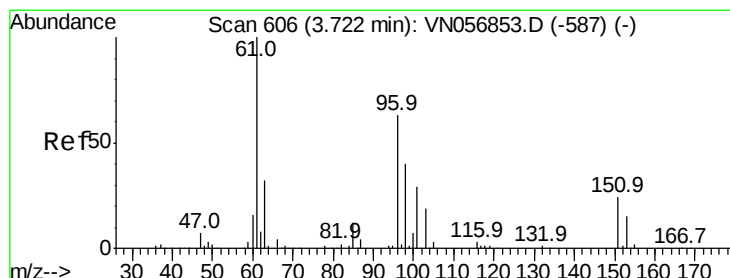
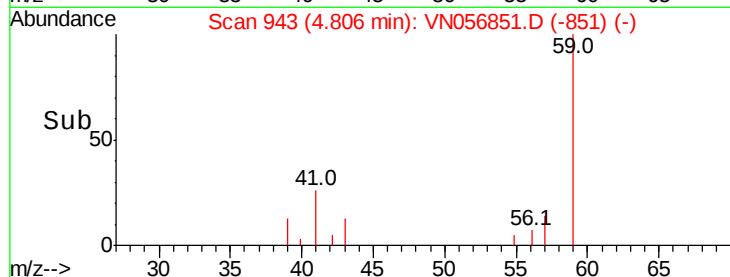
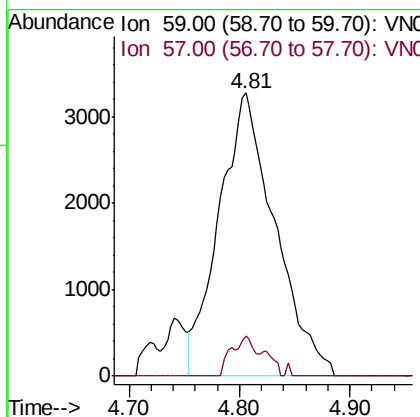
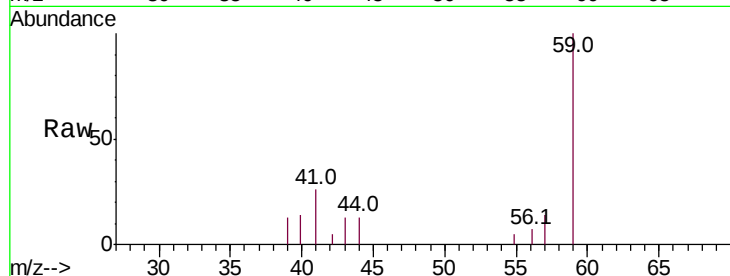
#11
Tert butyl alcohol
Concen: 17.848 ug/l
RT: 4.81 min Scan# 943
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 11498
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.4#

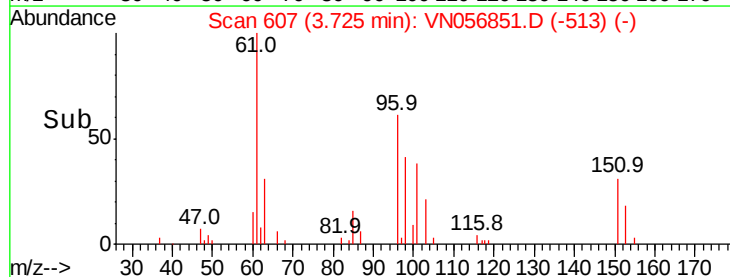
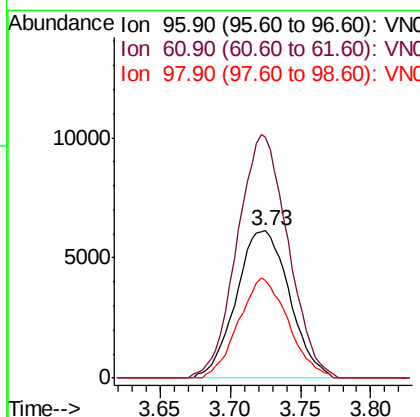
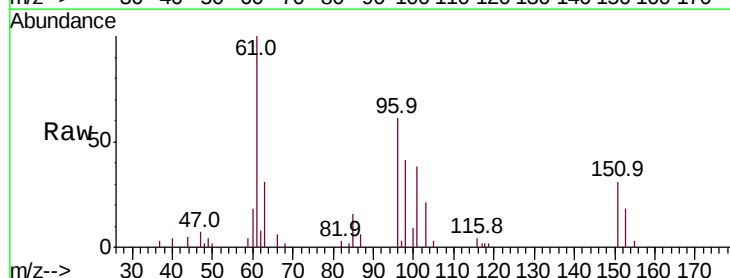
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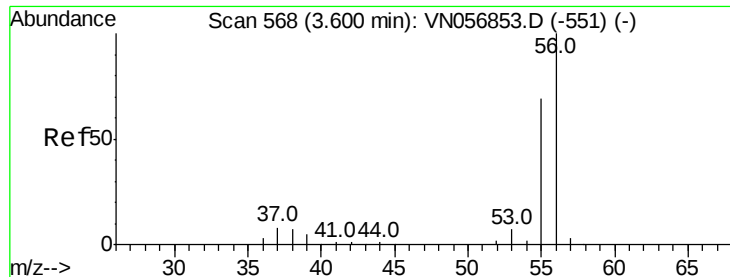
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#12
1,1-Dichloroethene
Concen: 4.730 ug/l
RT: 3.73 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 96 Resp: 16191
Ion Ratio Lower Upper
96 100
61 163.9 126.3 189.5
98 66.8 51.0 76.4





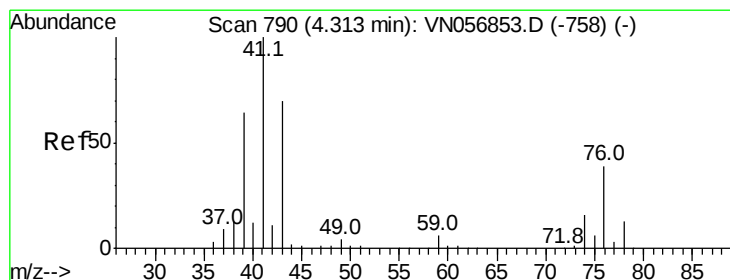
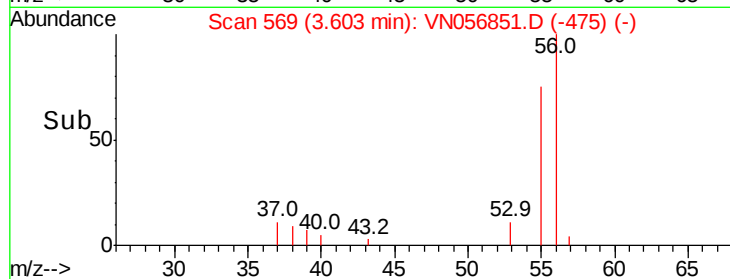
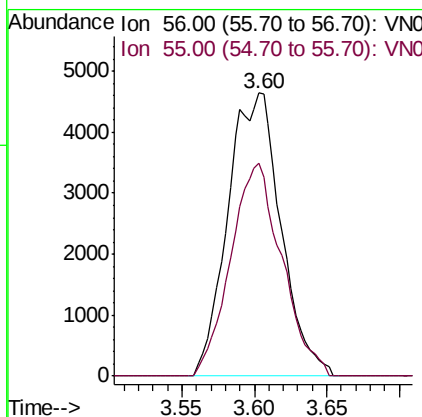
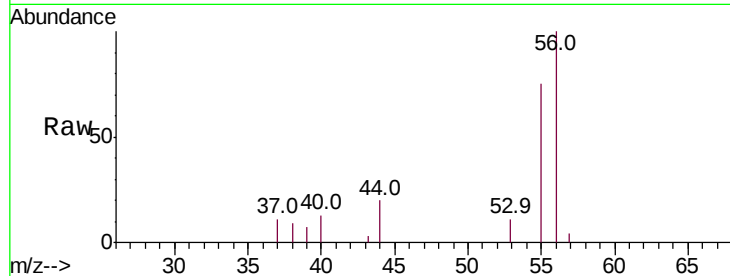
#13
Acrolein
Concen: 39.983 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 56 Resp: 11807
Ion Ratio Lower Upper
56 100
55 72.5 56.2 84.4

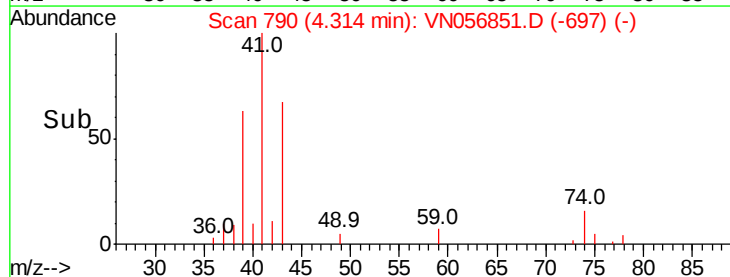
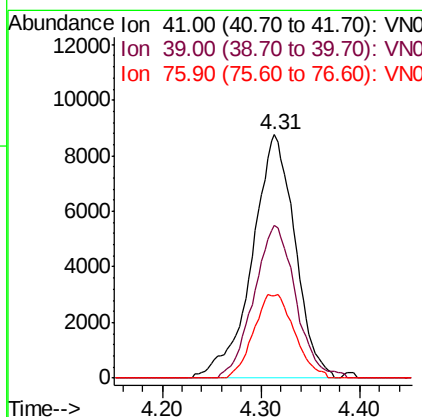
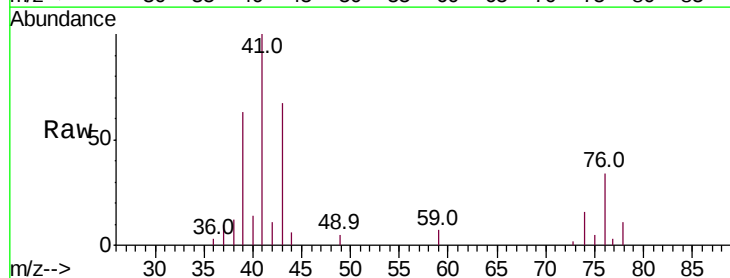
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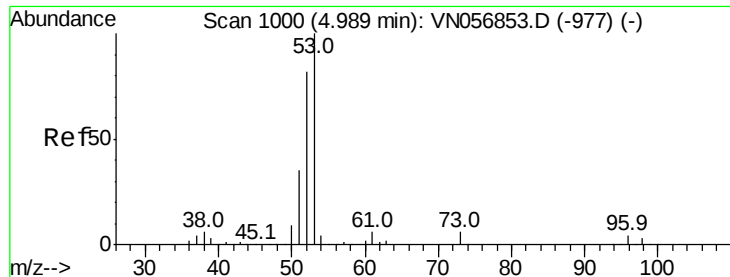
MMDadoda
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#14
Allyl chloride
Concen: 4.484 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 41 Resp: 26239
Ion Ratio Lower Upper
41 100
39 61.2 47.8 71.6
76 32.7 27.9 41.9





#15

Acrylonitrile

Concen: 19.080 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

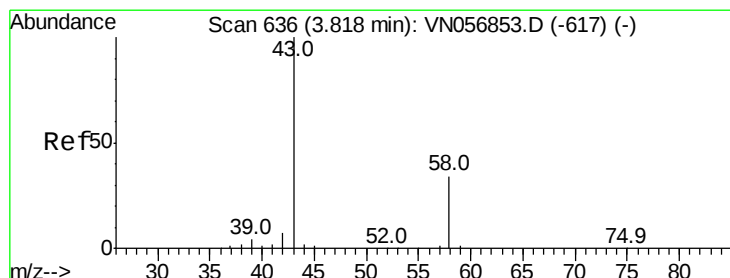
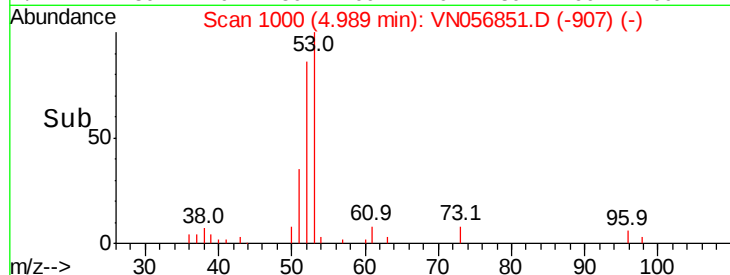
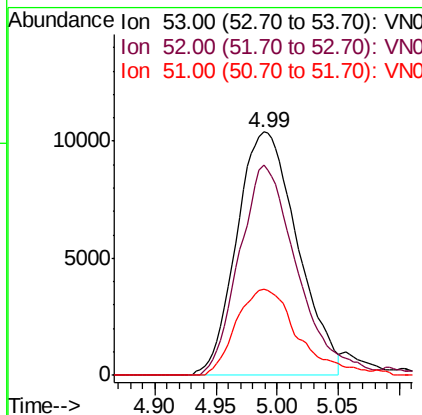
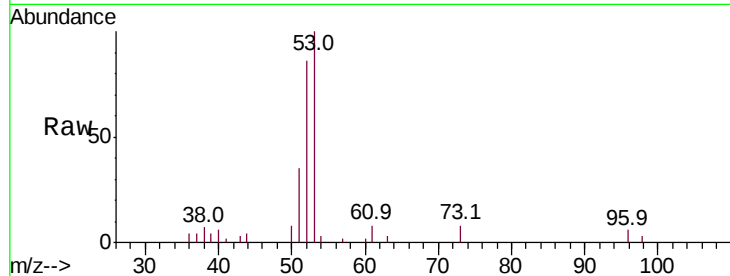
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	35871
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.0	97.6
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 19.351 ug/l

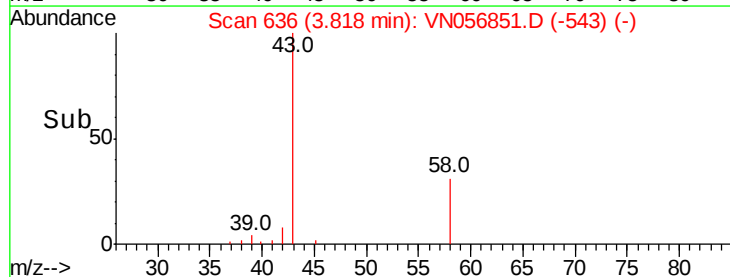
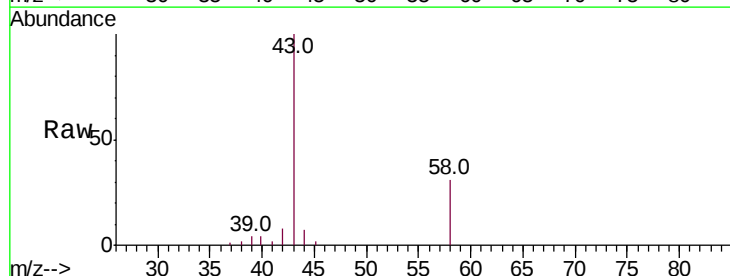
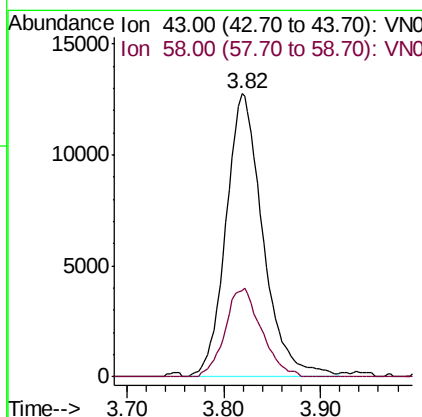
RT: 3.82 min Scan# 636

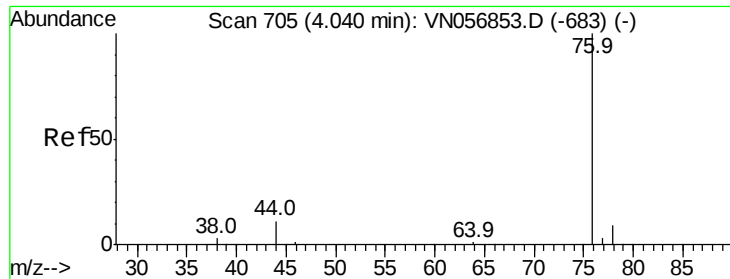
Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	43	Resp:	33898
Ion	Ratio	Lower	Upper
43	100		
58	30.6	27.3	40.9





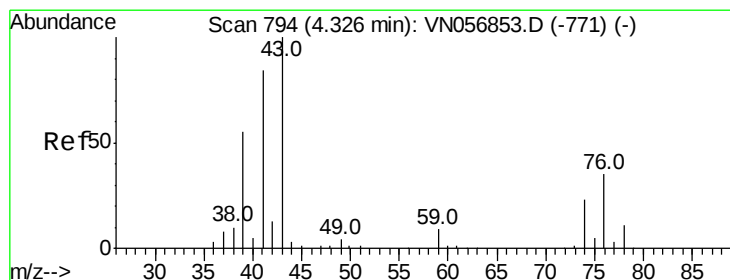
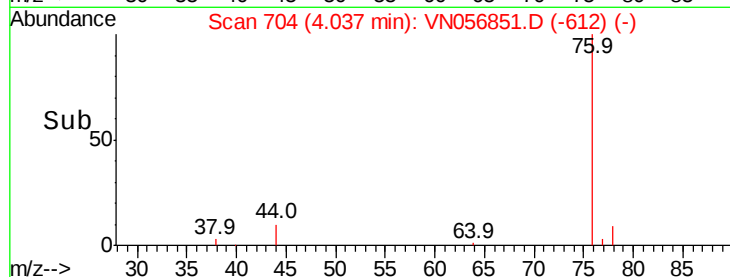
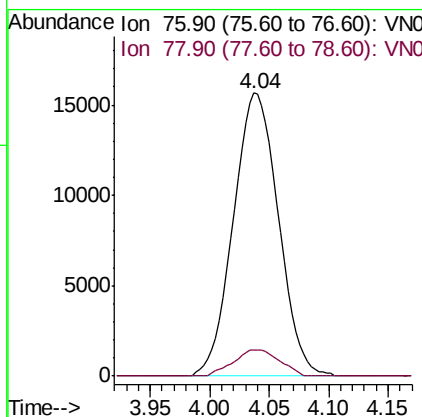
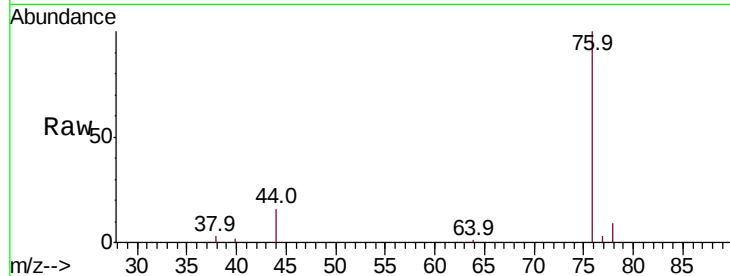
#17
Carbon Disulfide
Concen: 4.509 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 41081
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8

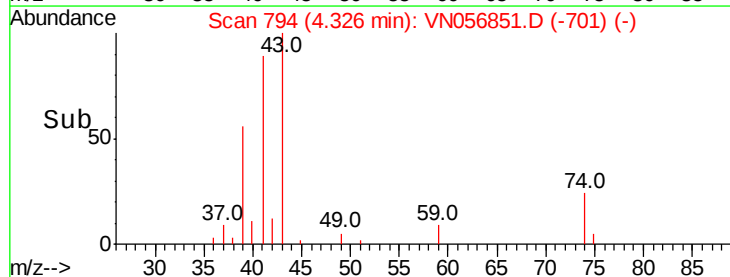
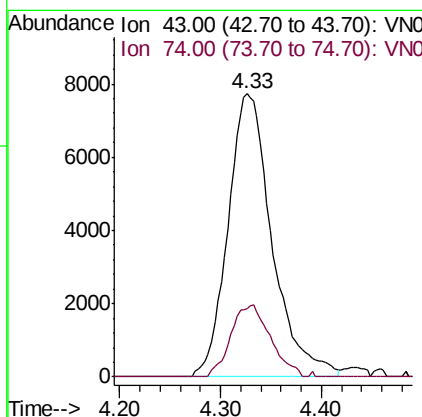
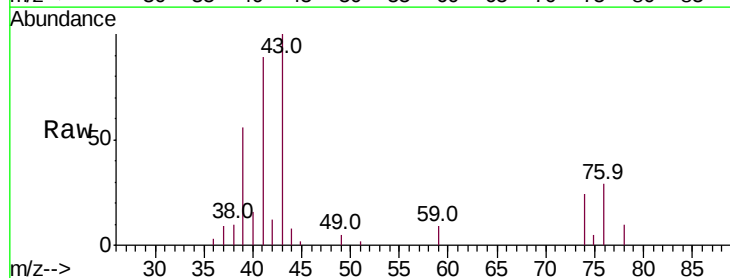
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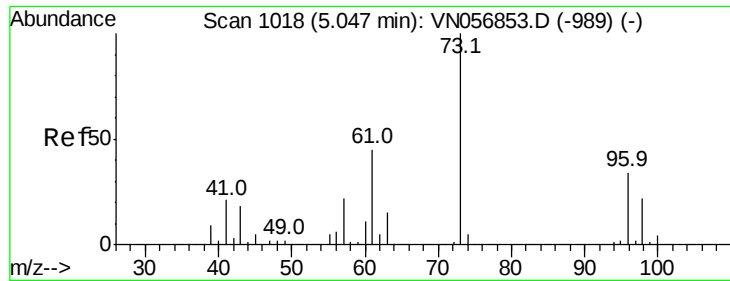
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#18
Methyl Acetate
Concen: 4.680 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 43 Resp: 23445
Ion Ratio Lower Upper
43 100
74 22.9 19.0 28.4





#19

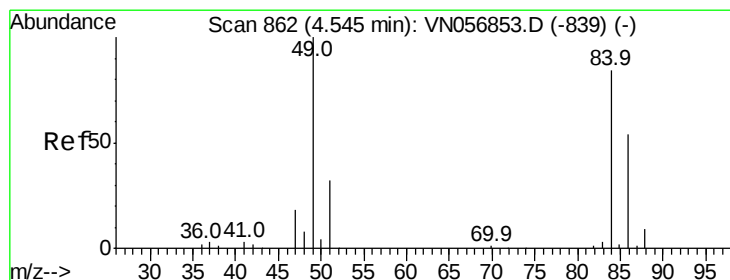
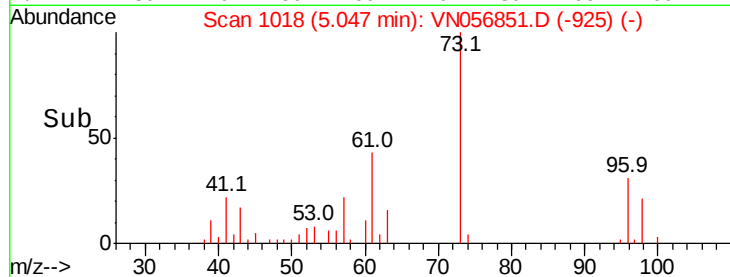
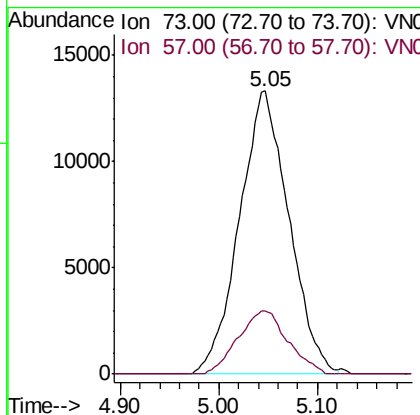
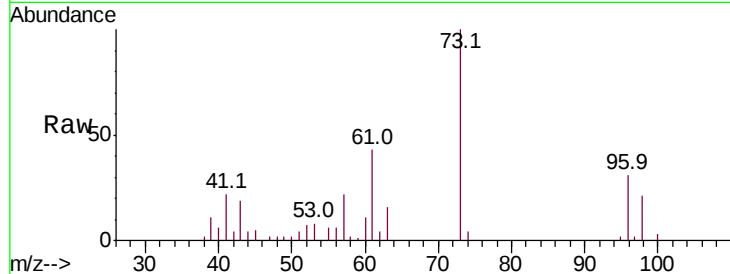
Methyl tert-butyl Ether
 Concen: 4.301 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 73 Resp: 46343
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

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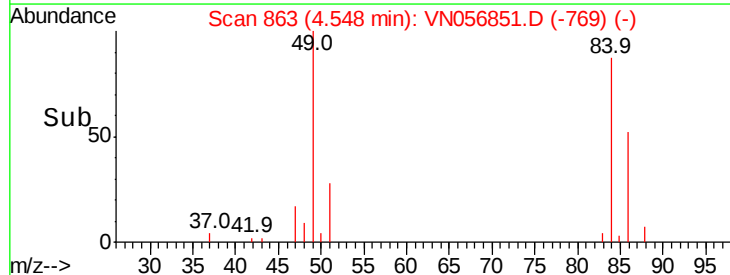
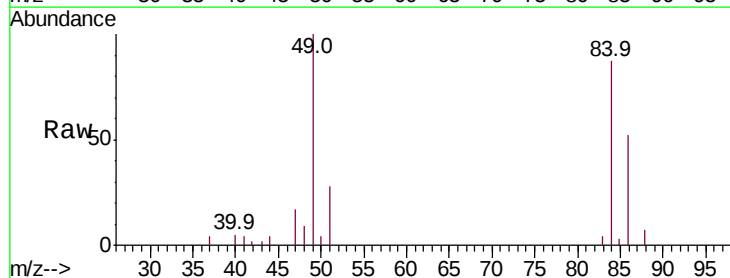
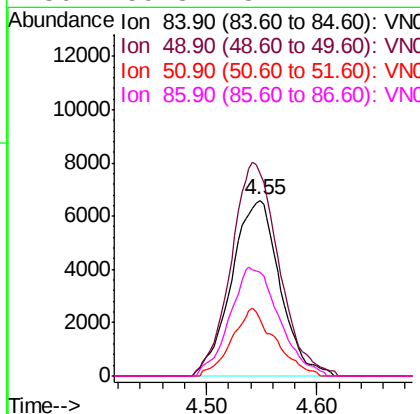
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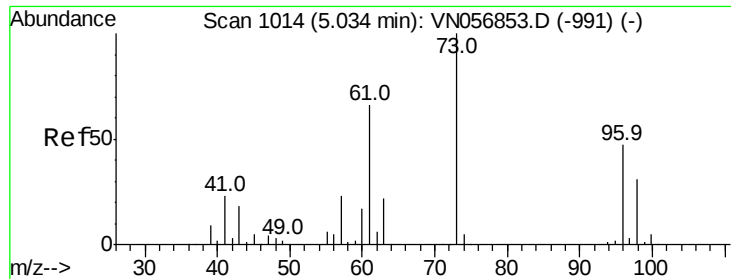


#20

Methylene Chloride
 Concen: 4.960 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion: 84 Resp: 20075
 Ion Ratio Lower Upper
 84 100
 49 114.9 94.9 142.3
 51 31.9 29.9 44.9
 86 59.3 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 4.659 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 16796

Ion Ratio Lower Upper

96 100

61 139.5 112.8 169.2

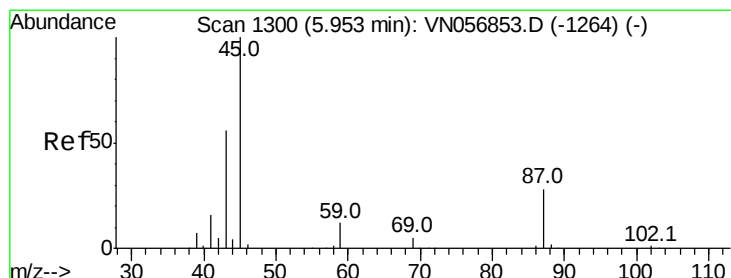
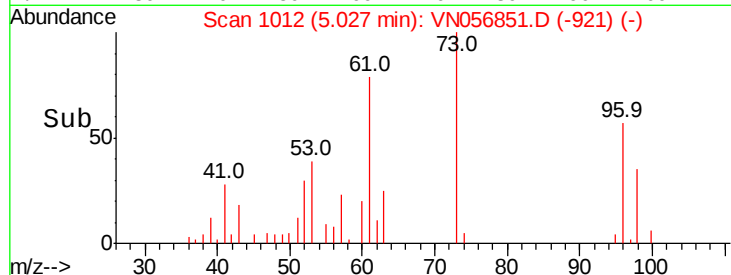
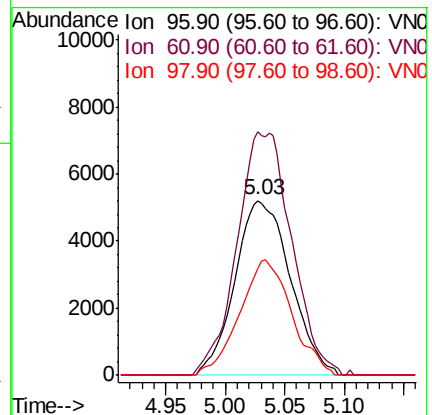
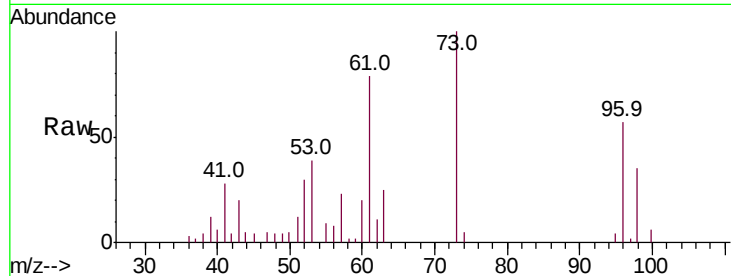
98 61.0 53.3 79.9

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#22

Diisopropyl ether

Concen: 4.648 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion: 45 Resp: 53955

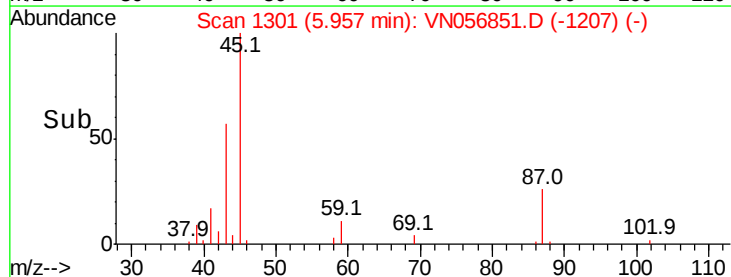
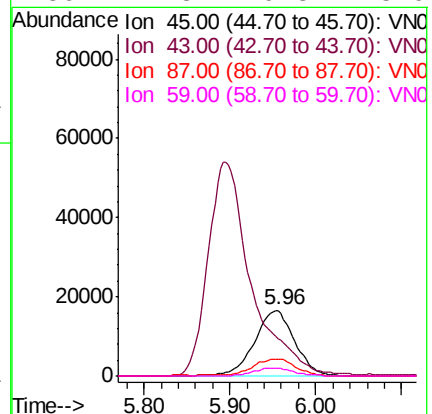
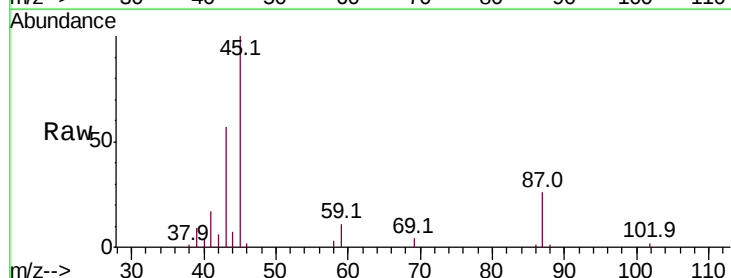
Ion Ratio Lower Upper

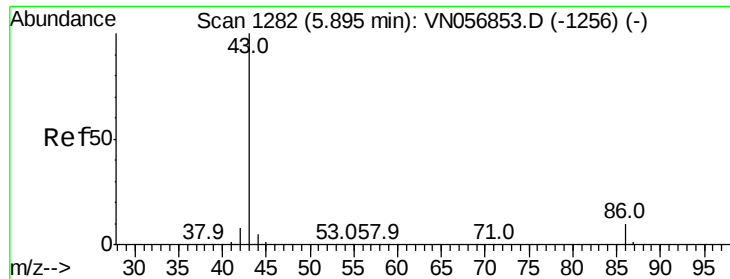
45 100

43 53.1 45.5 68.3

87 25.8 22.7 34.1

59 11.3 9.3 13.9





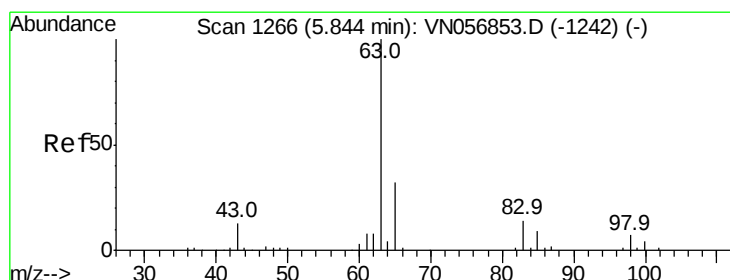
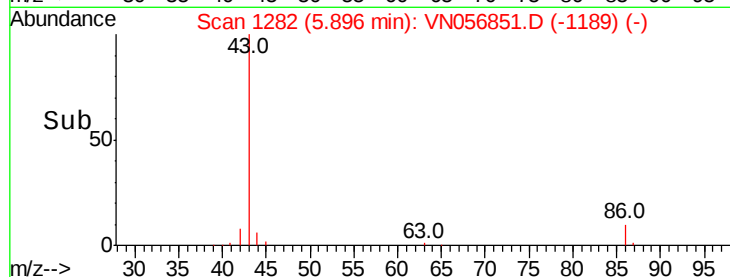
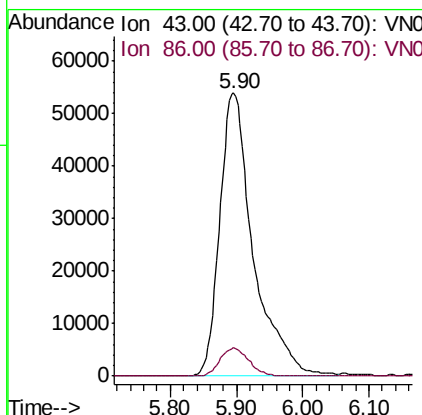
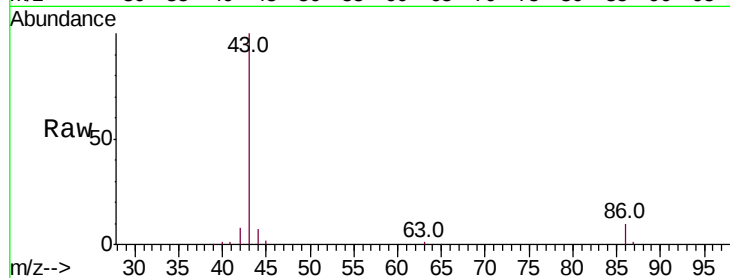
#23
 Vinyl Acetate
 Concen: 20.658 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.4	12.6

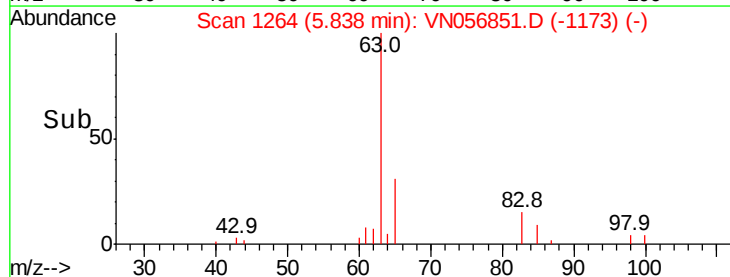
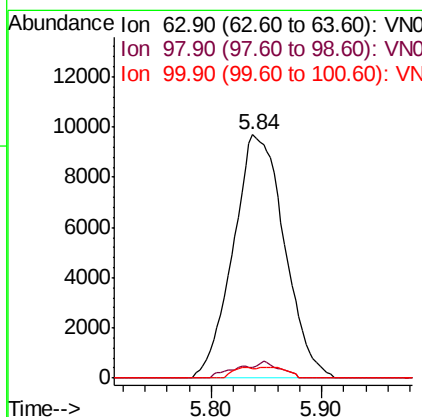
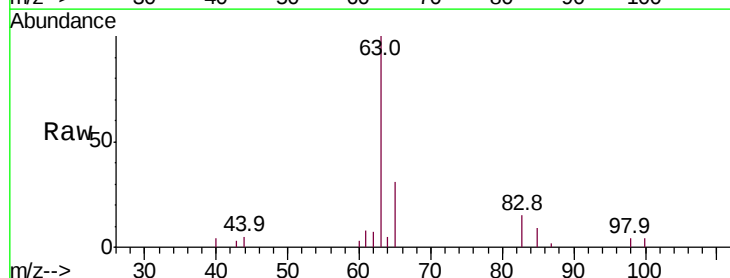
Manual Integrations
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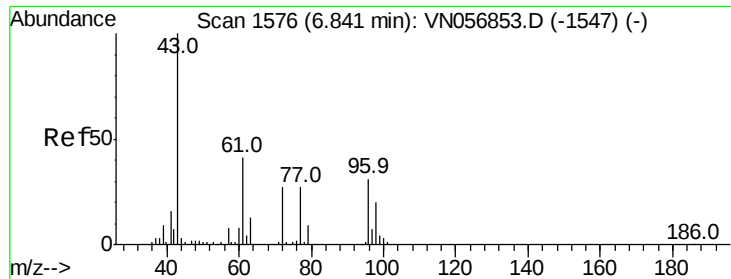
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#24
 1,1-Dichloroethane
 Concen: 4.624 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.3	3.3	9.9
100	3.8	2.2	6.6





#25

2-Butanone

Concen: 17.775 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 45929

Ion Ratio Lower Upper

43 100

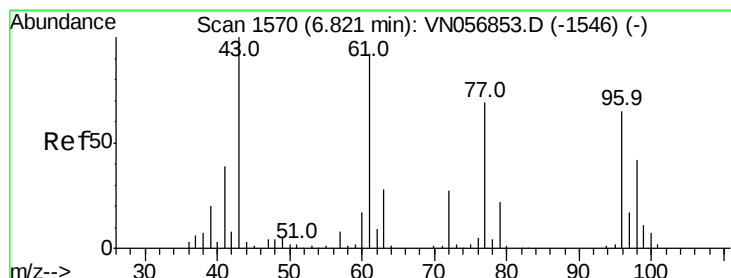
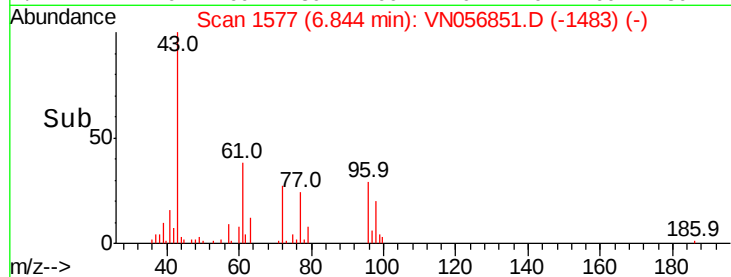
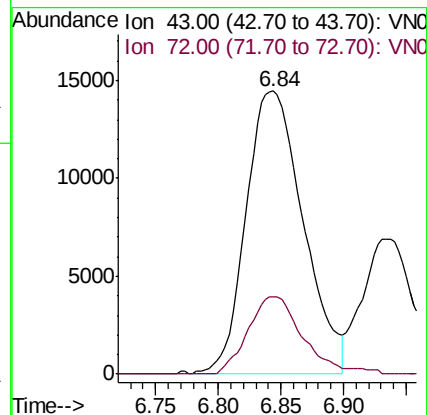
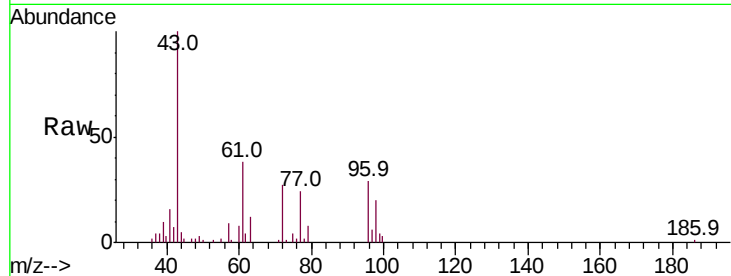
72 27.4 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.567 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056851.D

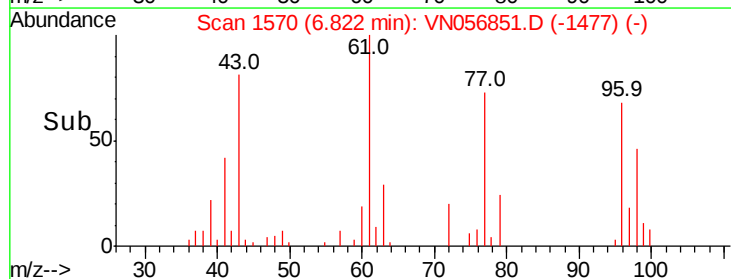
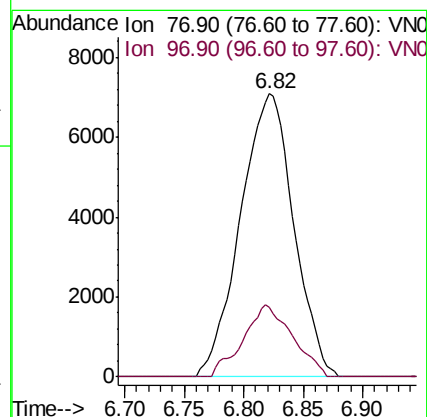
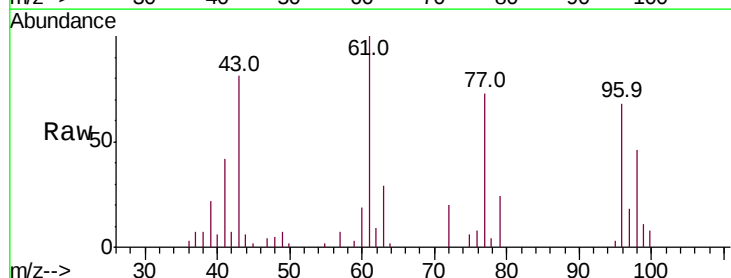
Acq: 22 Jul 2019 12:21

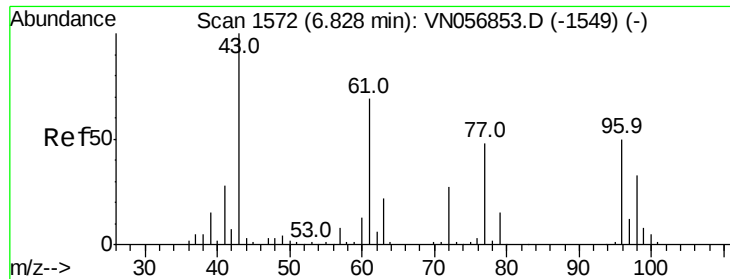
Tgt Ion: 77 Resp: 21954

Ion Ratio Lower Upper

77 100

97 23.5 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 4.785 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056851.D

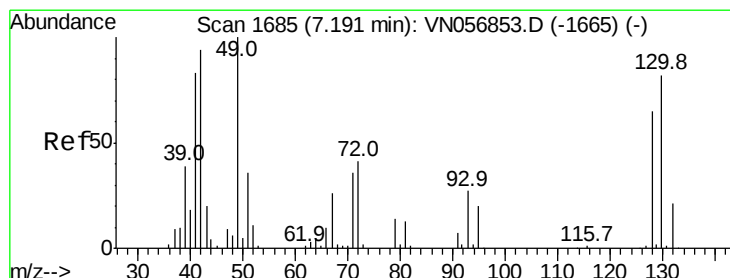
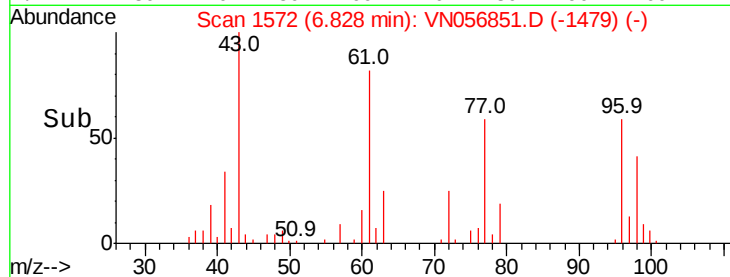
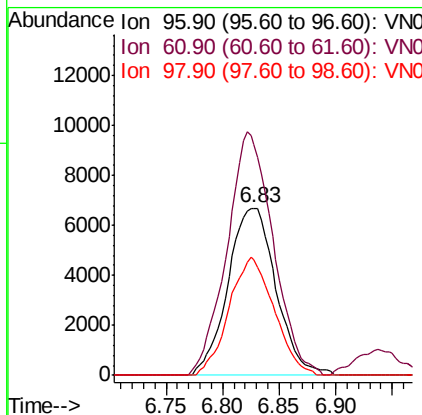
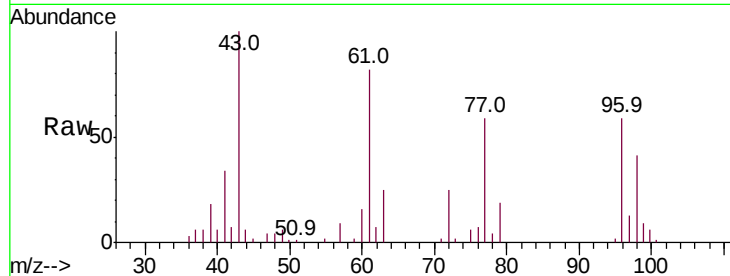
Acq: 22 Jul 2019 12:21

Tot Ion:	96	Resp:	19794
Ion	Ratio	Lower	Upper
96	100		
61	139.5	0.0	281.6
98	66.0	0.0	132.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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#28

Bromochloromethane

Concen: 4.880 ug/l

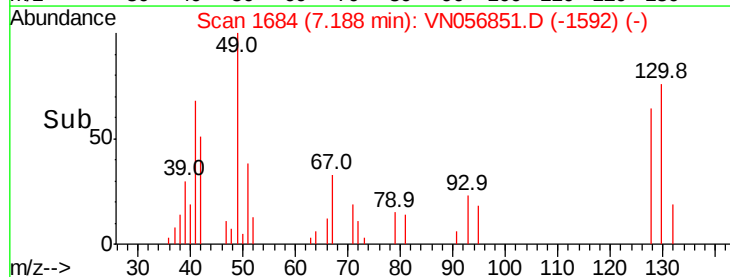
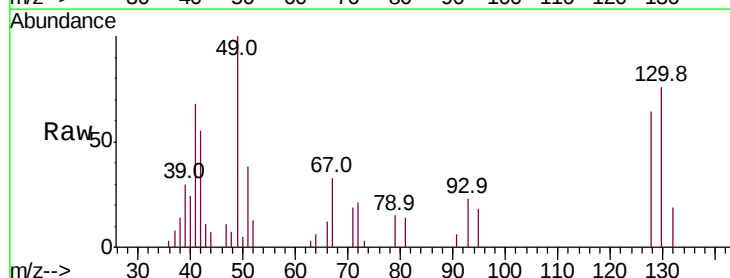
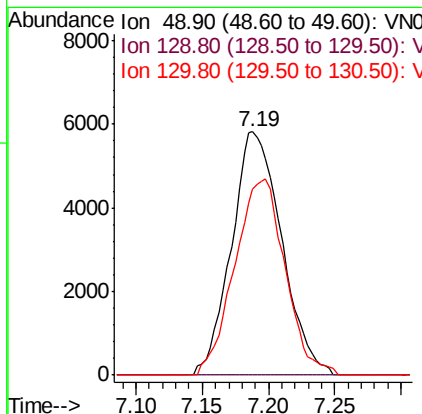
RT: 7.19 min Scan# 1684

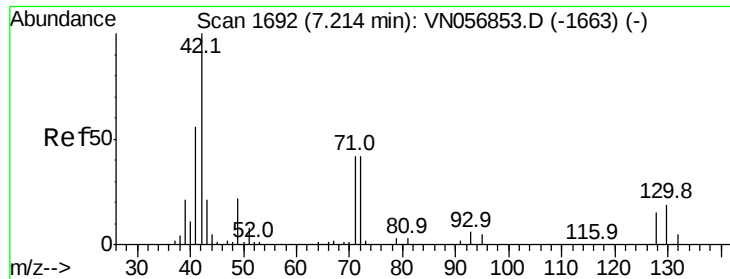
Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	49	Resp:	15341
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	80.9	65.0	97.6





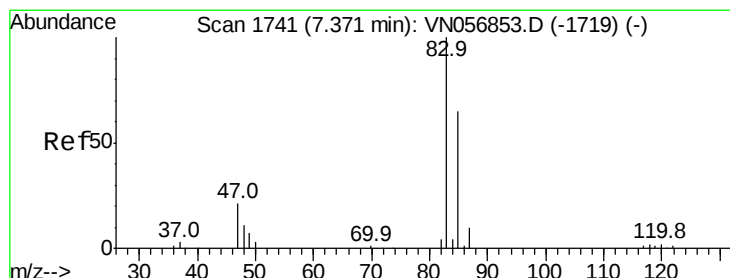
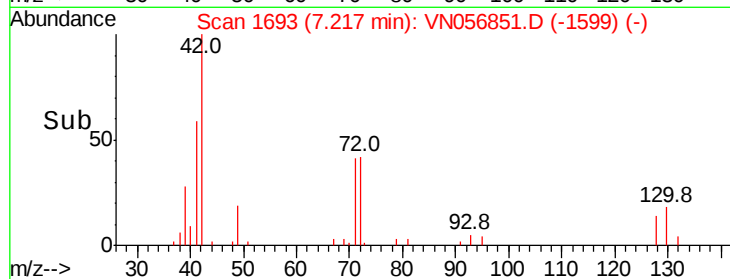
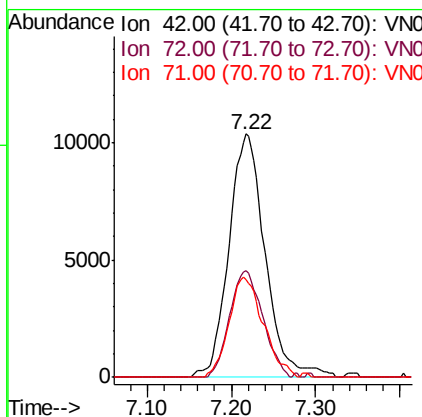
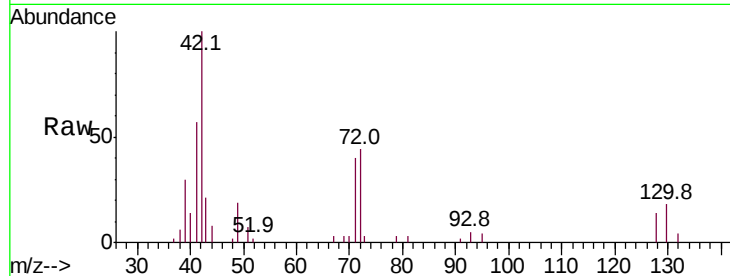
#29
Tetrahydrofuran
Concen: 18.284 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	42	Resp:	31039
Ion Ratio	Lower	Upper	
42	100		
72	40.0	34.2	51.2
71	38.7	32.7	49.1

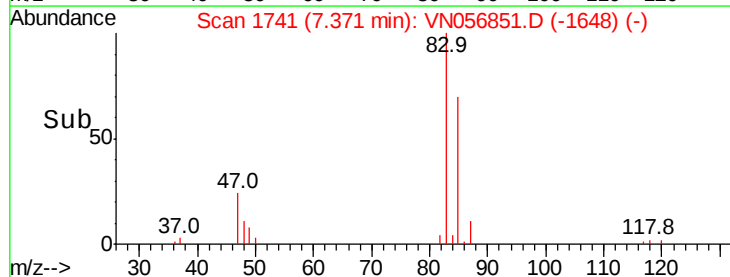
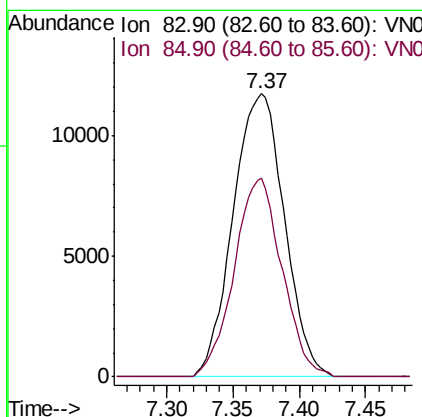
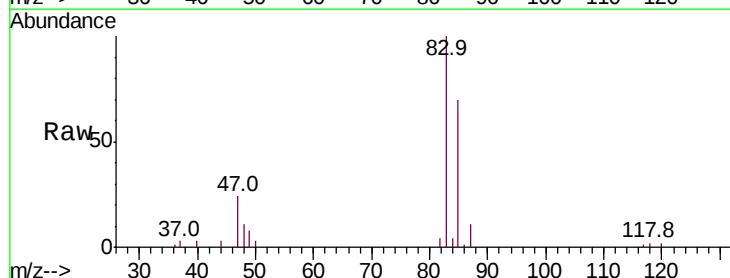
Manual Integrations
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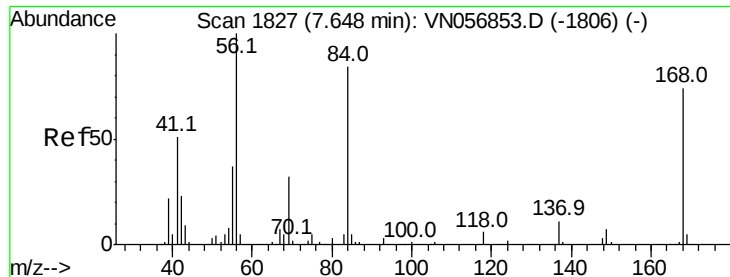
MMDadoda
7/25/2019 3:01:07 PM



#30
Chloroform
Concen: 4.678 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion:	83	Resp:	31560
Ion Ratio	Lower	Upper	
83	100		
85	70.1	52.3	78.5





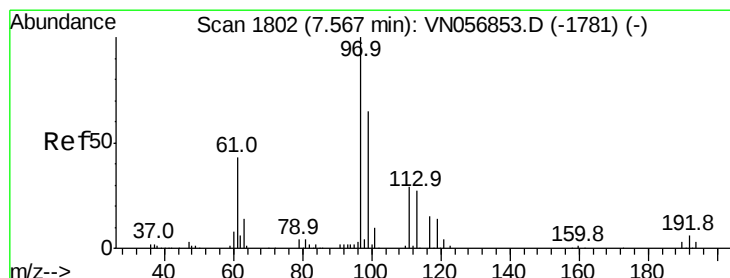
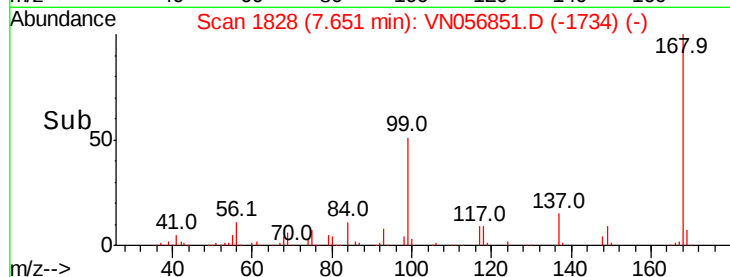
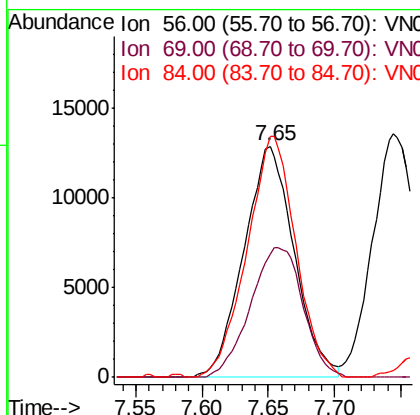
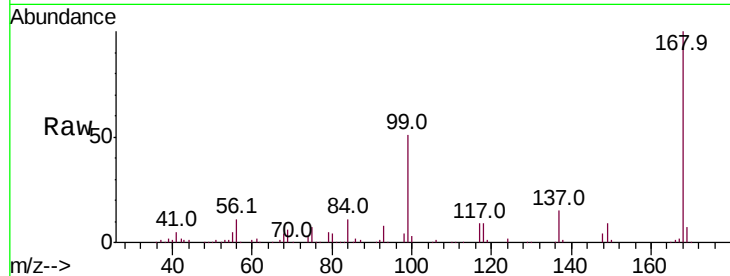
#31
Cyclohexane
Concen: 5.292 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	53.4	25.5	38.3#
84	104.1	67.3	100.9#

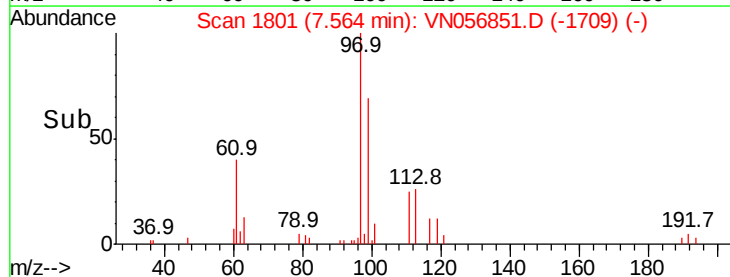
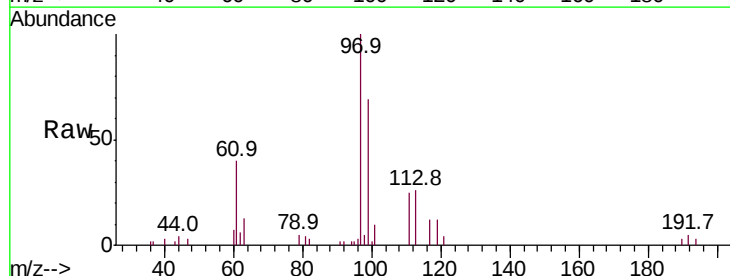
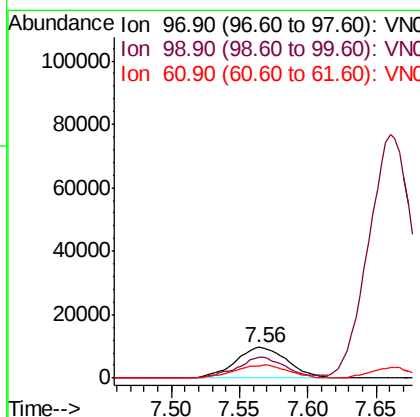
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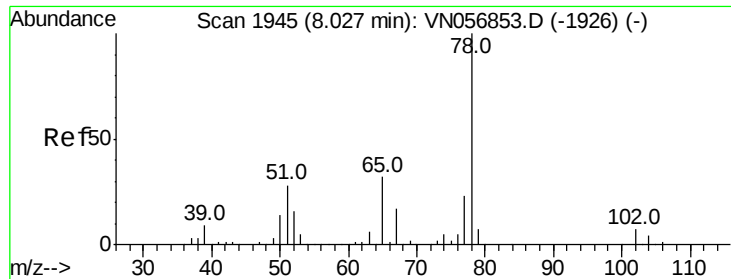
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.787 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.1	78.1
61	43.1	34.0	51.0





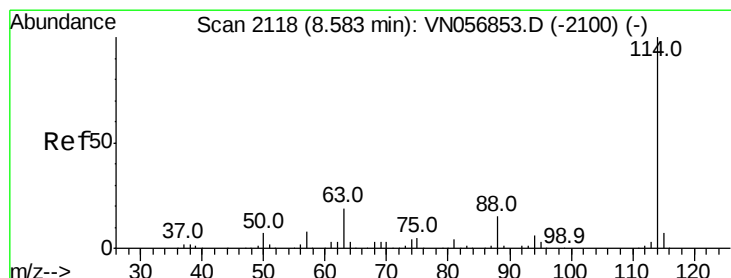
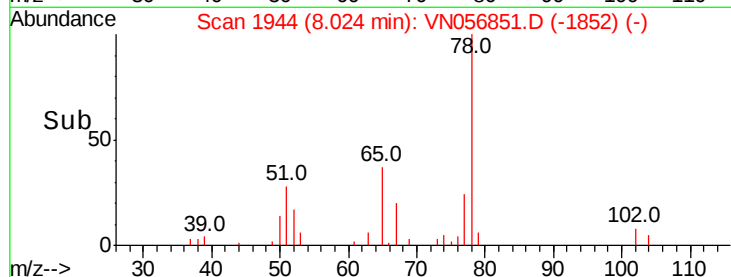
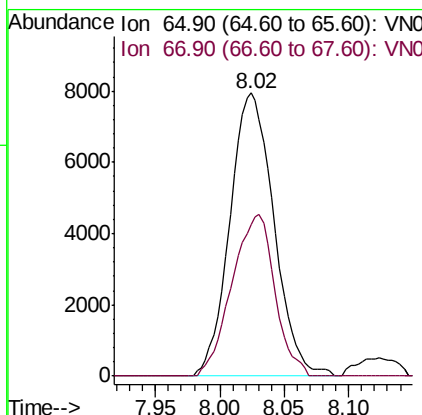
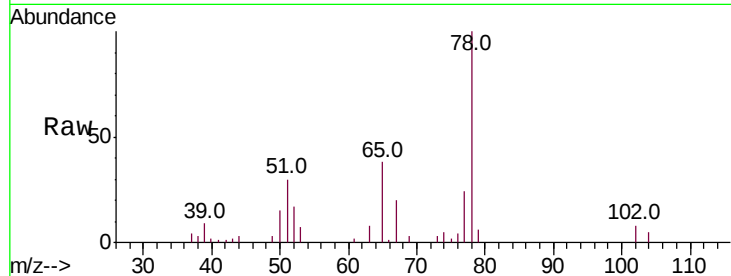
#33
 1,2-Dichloroethane-d4
 Concen: 4.802 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	108.6

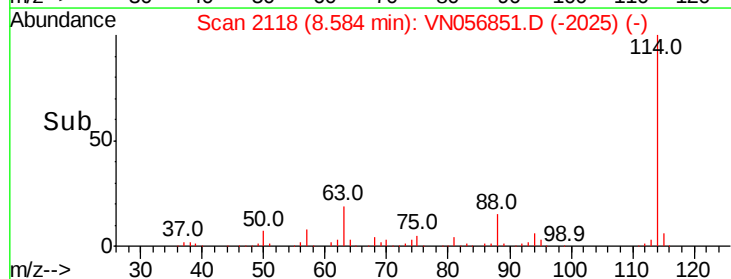
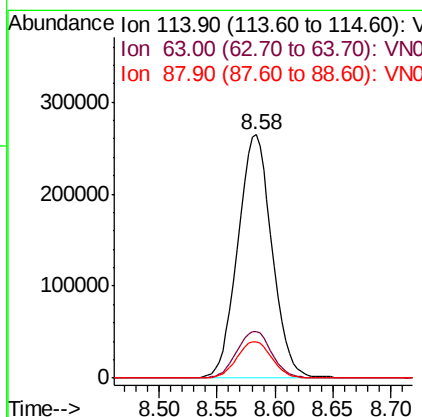
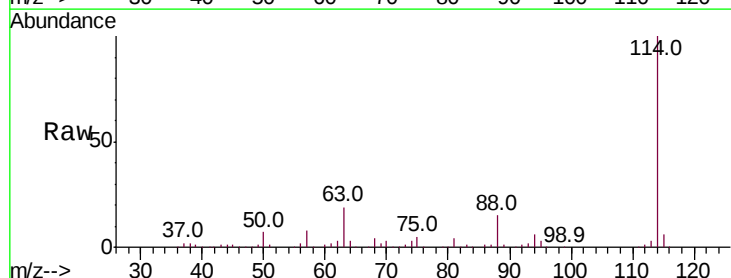
Manual Integrations
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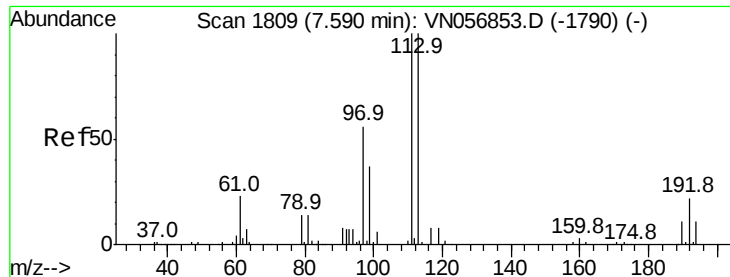
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	37.8
88	15.1	0.0	31.0





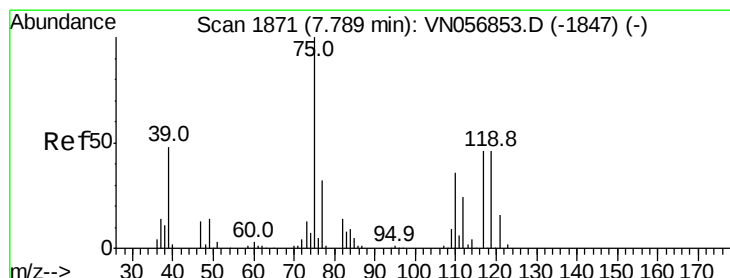
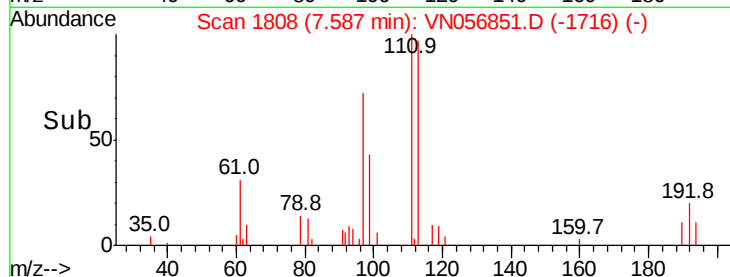
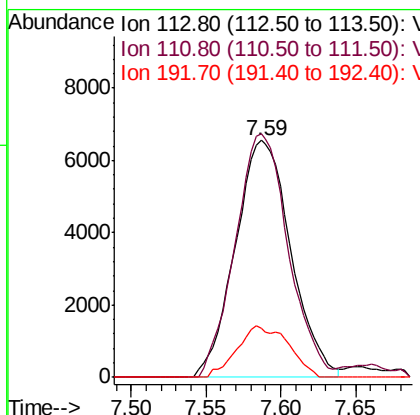
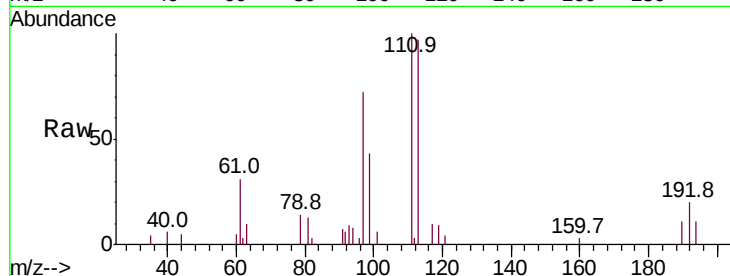
#35
 Dibromofluoromethane
 Concen: 4.998 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.1	81.9	122.9
192	20.1	18.5	27.7

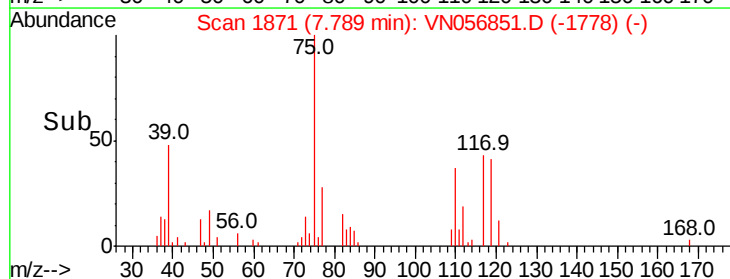
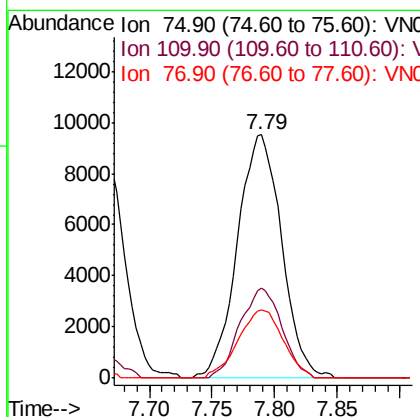
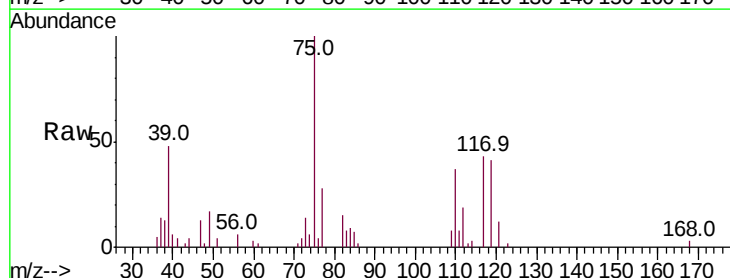
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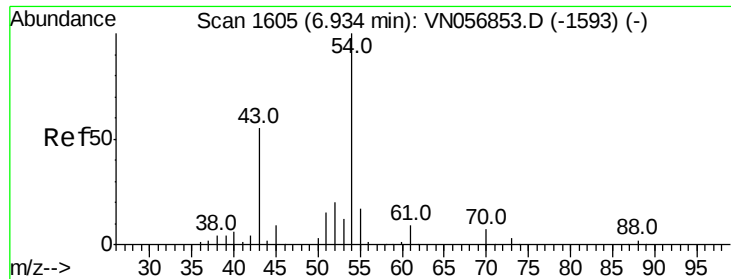
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#36
 1,1-Dichloropropene
 Concen: 4.578 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.9	53.7
77	28.5	25.0	37.6





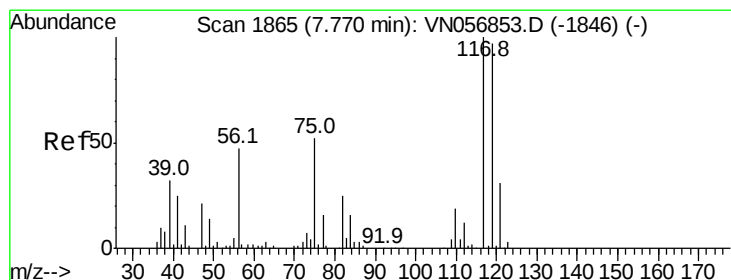
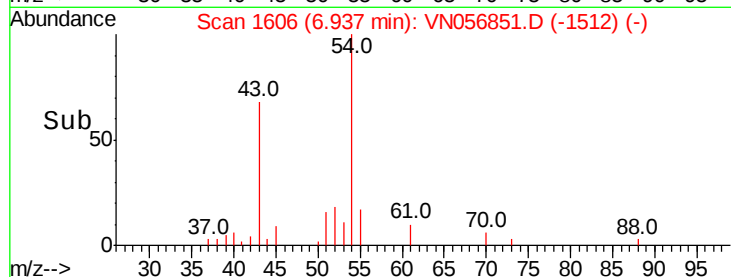
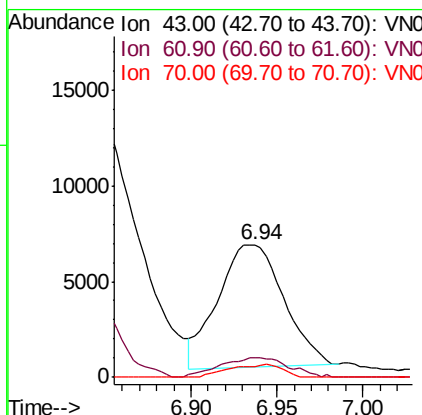
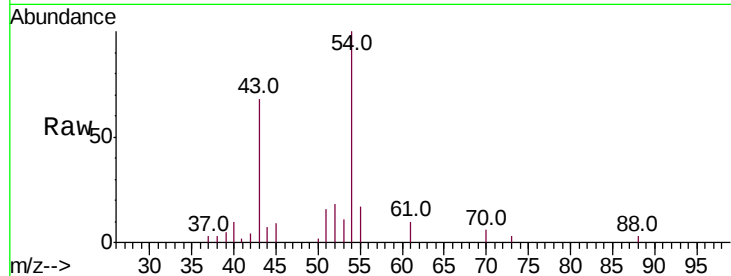
#37
Ethyl Acetate
Concen: 3.546 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.8
70	8.5	8.6	13.0

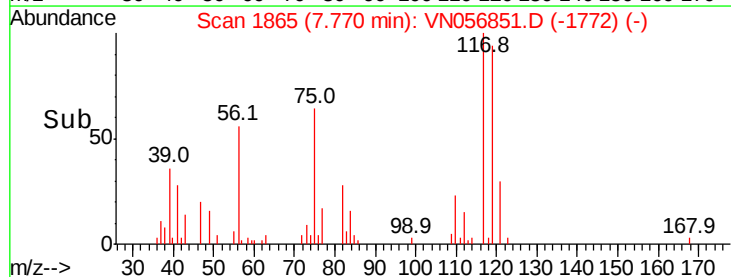
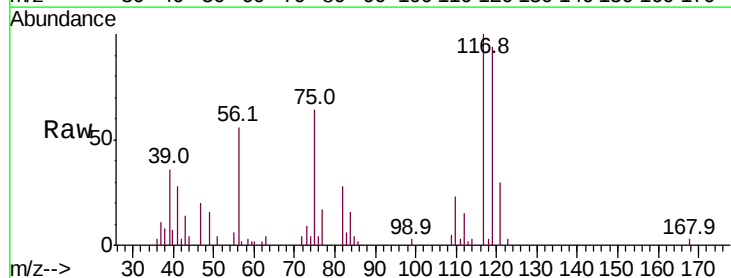
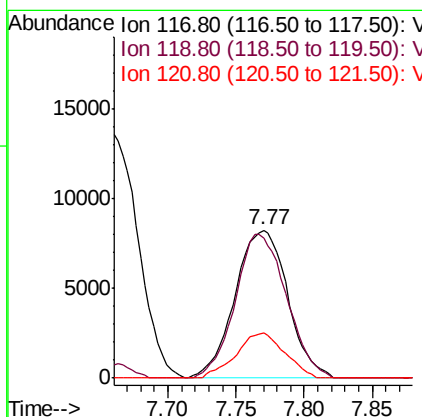
Manual Integrations
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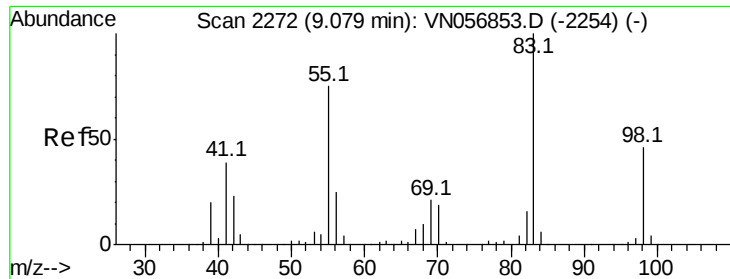
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#38
Carbon Tetrachloride
Concen: 4.648 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.2	115.8
121	30.5	24.5	36.7





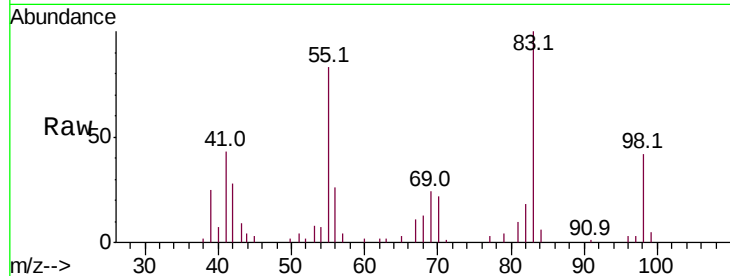
#39
Methvlcvclohexane
Concen: 4.566 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

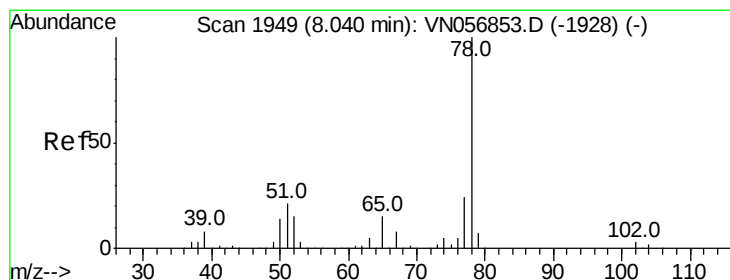
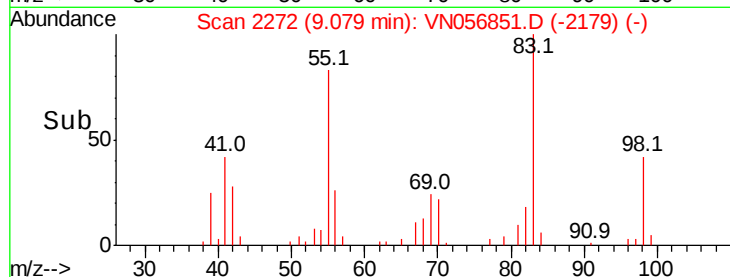
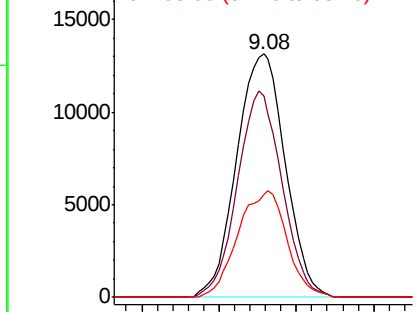
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.6	59.8	89.8
98	42.4	37.1	55.7

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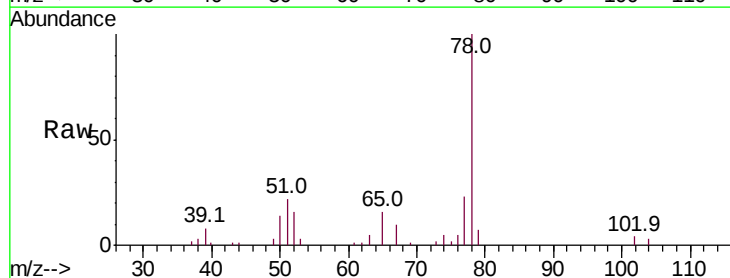


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

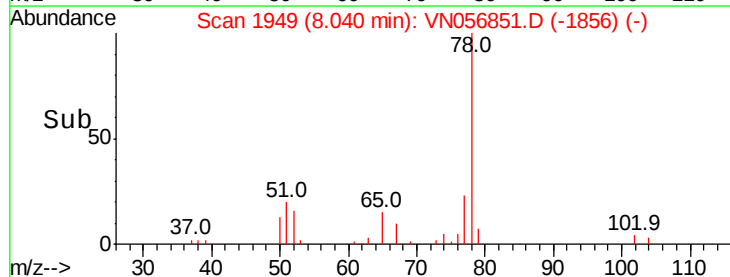
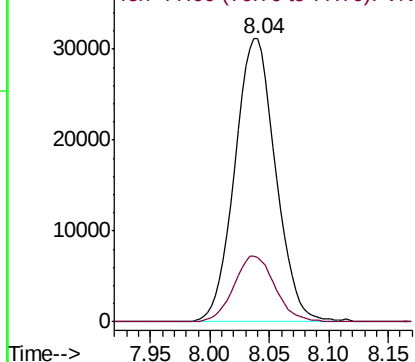


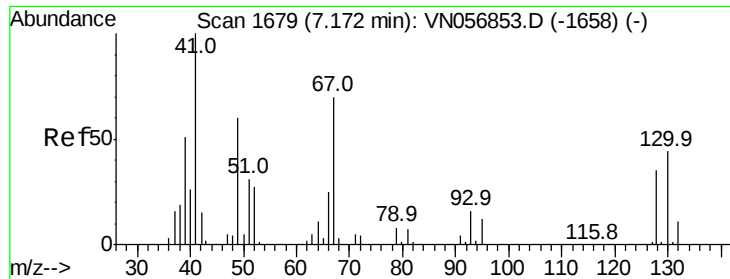
#40
Benzene
Concen: 4.752 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





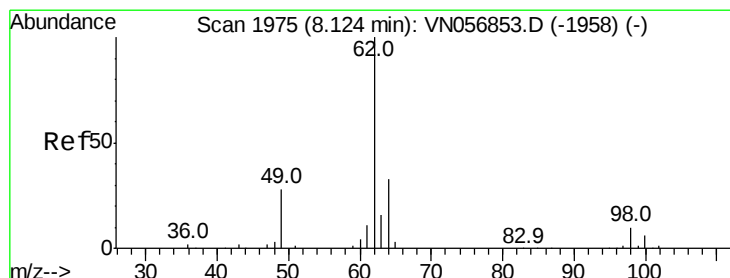
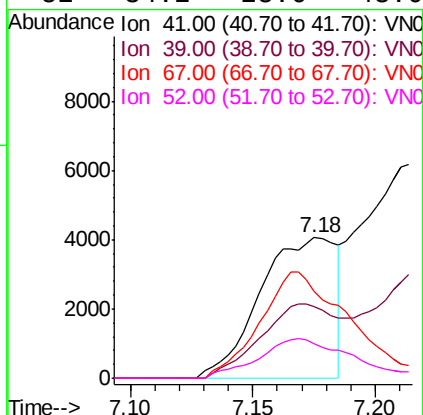
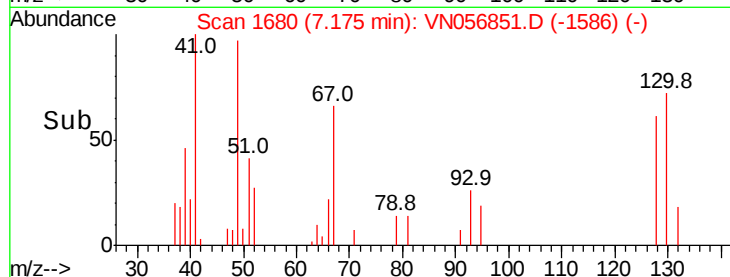
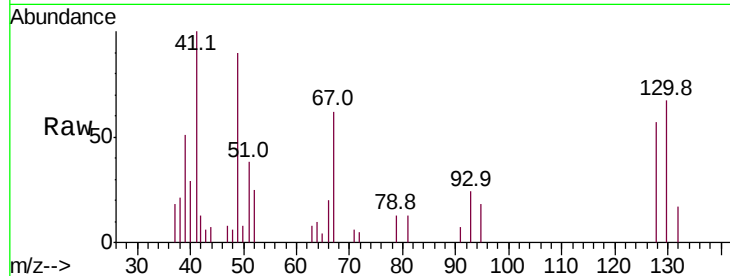
#41
Methacrylonitrile
Concen: 4.080 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	8806
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.0	66.0
67	89.2	73.5	110.3
52	34.2	28.6	43.0

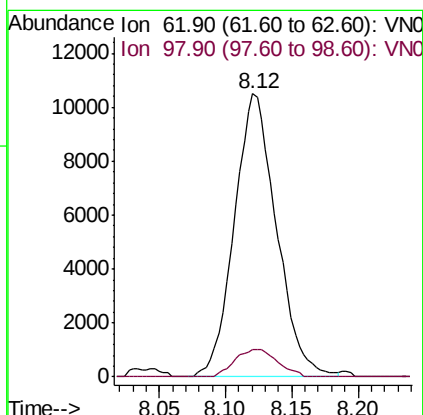
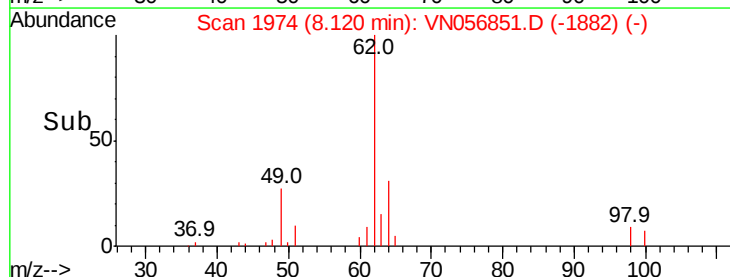
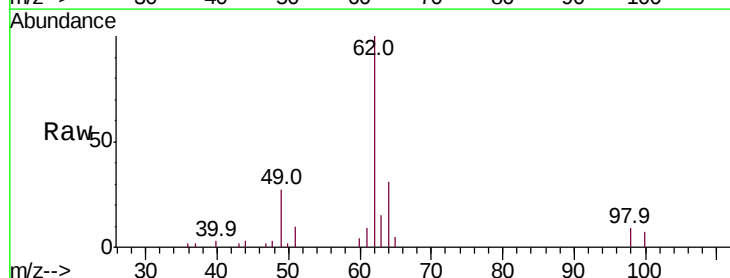
Manual Integrations
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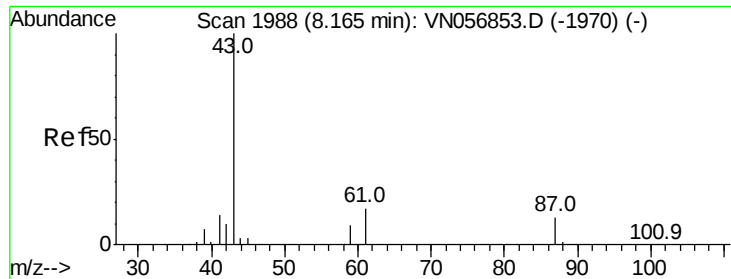
MMDadoda
7/25/2019 3:01:07 PM



#42
1,2-Dichloroethane
Concen: 4.723 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion:	62	Resp:	23203
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 4.007 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

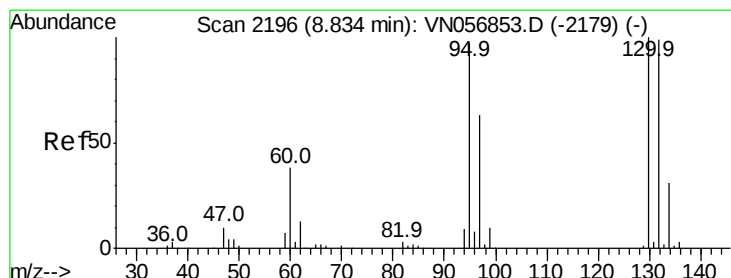
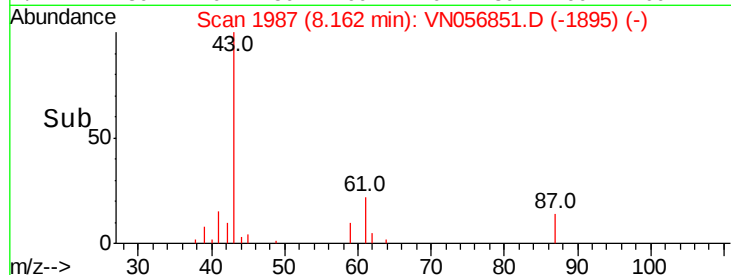
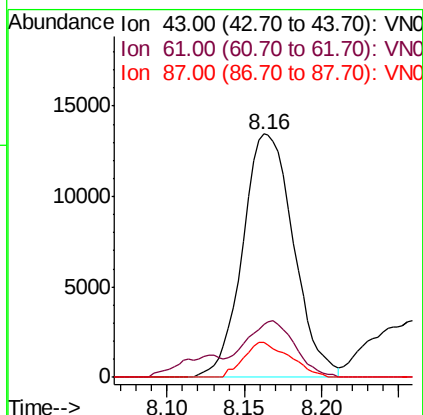
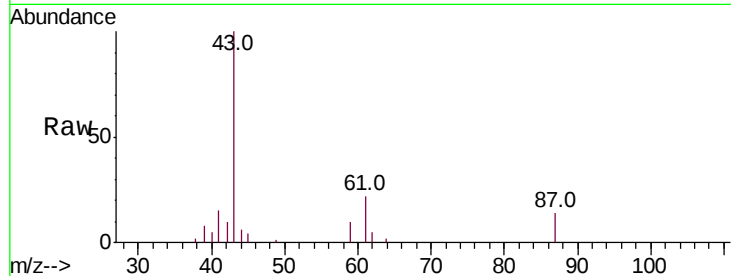
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	30771
Ion	Ratio	Lower	Upper
43	100		
61	23.2	17.8	26.6
87	13.0	11.0	16.4

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#44

Trichloroethene

Concen: 4.590 ug/l

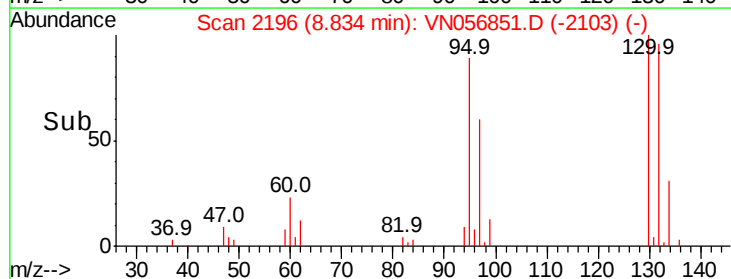
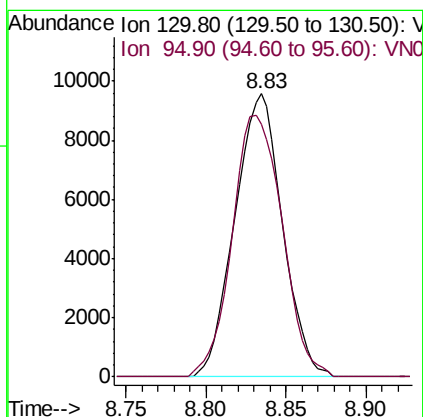
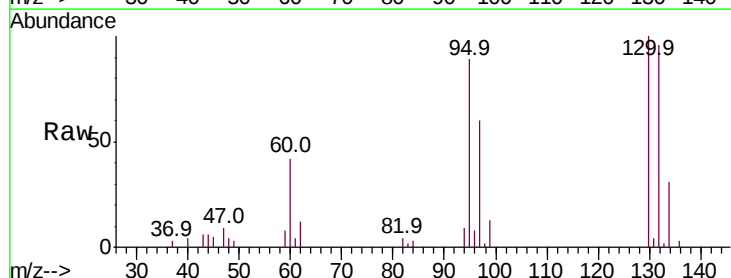
RT: 8.83 min Scan# 2196

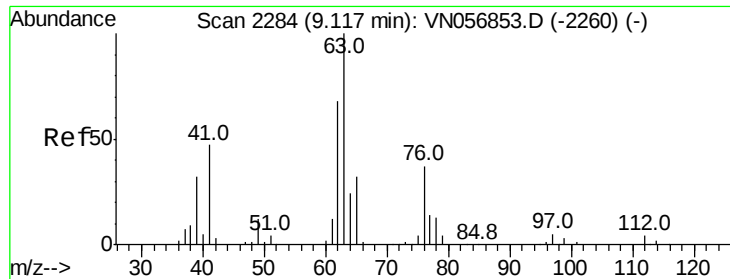
Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	130	Resp:	19461
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	194.0





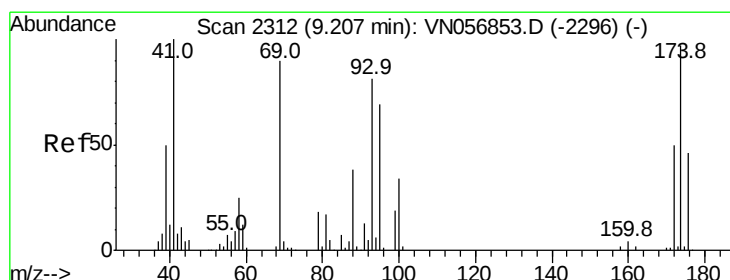
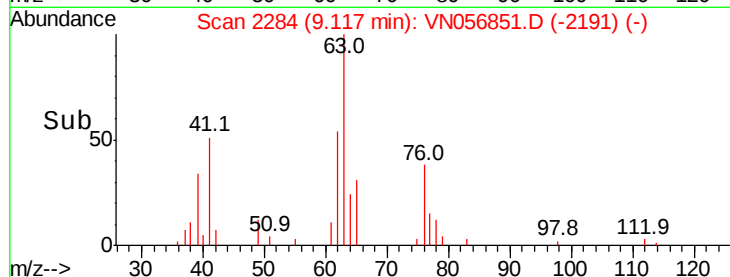
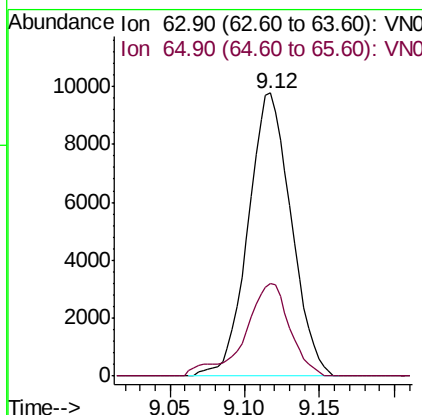
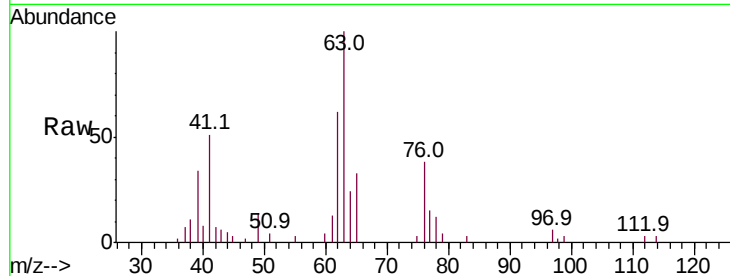
#45
 1,2-Dichloropropane
 Concen: 4.730 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 19557
 Ion Ratio Lower Upper
 63 100
 65 32.8 25.4 38.0

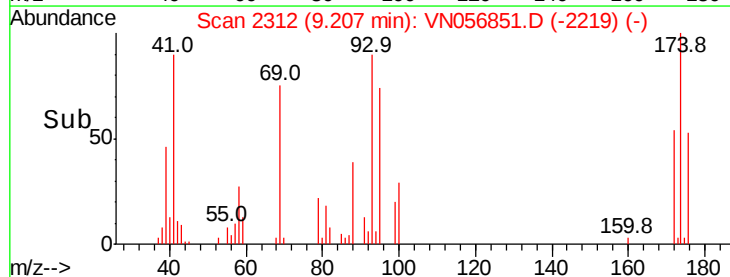
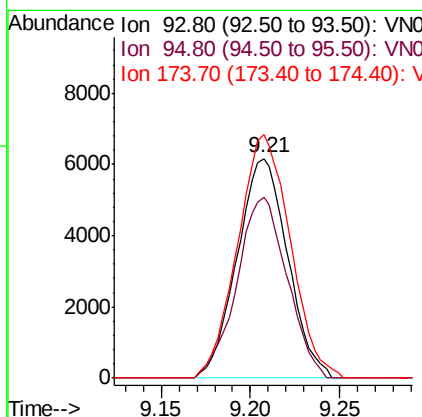
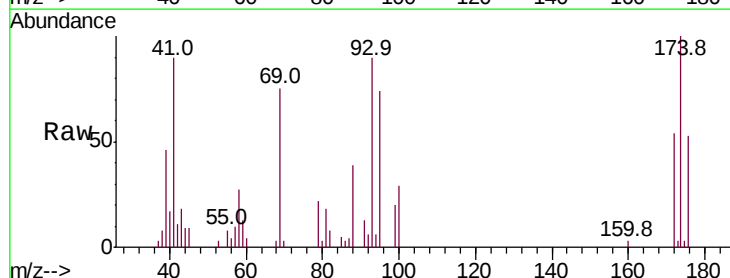
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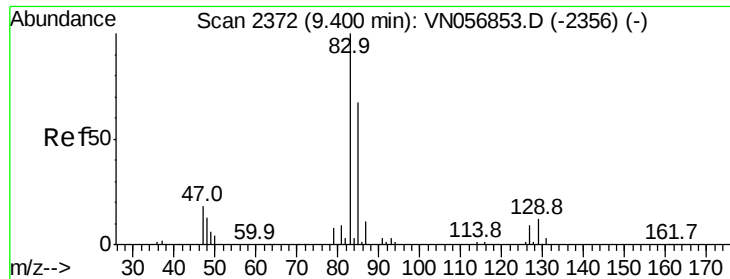
MMDadoda
 7/25/2019 3:01:07 PM



#46
 Dibromomethane
 Concen: 4.784 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion: 93 Resp: 12219
 Ion Ratio Lower Upper
 93 100
 95 81.9 67.4 101.0
 174 115.4 92.9 139.3





#47

Bromodichloromethane

Concen: 4.496 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

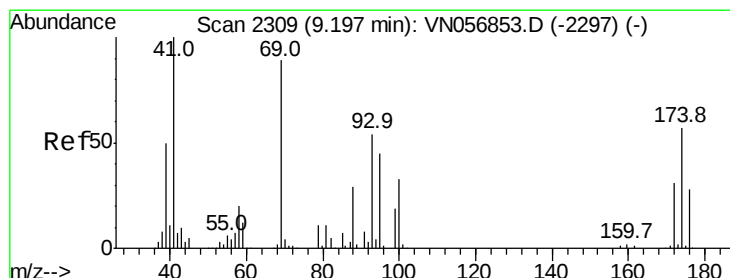
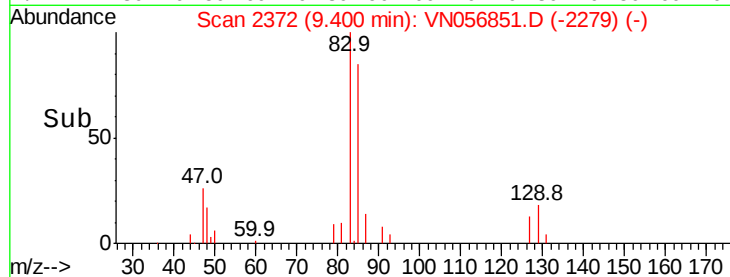
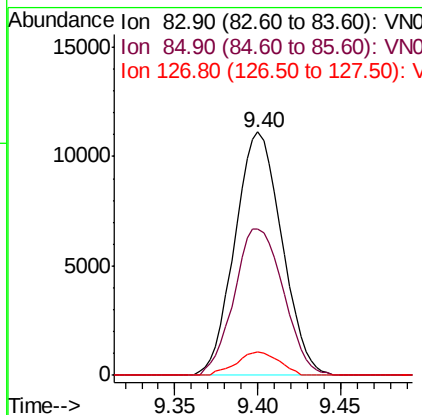
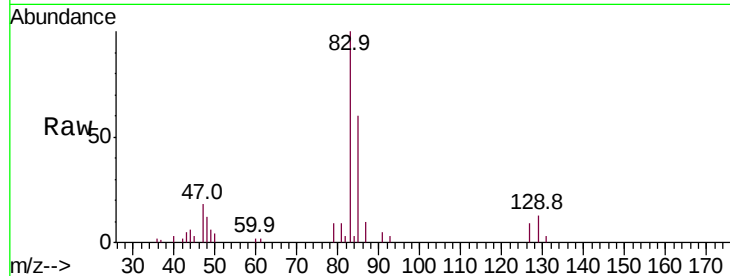
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21874
Ion Ratio	Lower	Upper	
83	100		
85	60.2	53.4	80.2
127	9.5	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.083 ug/l

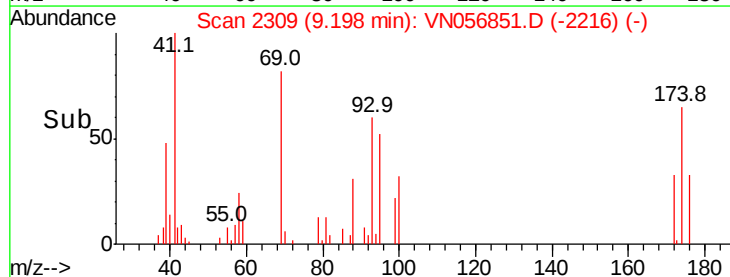
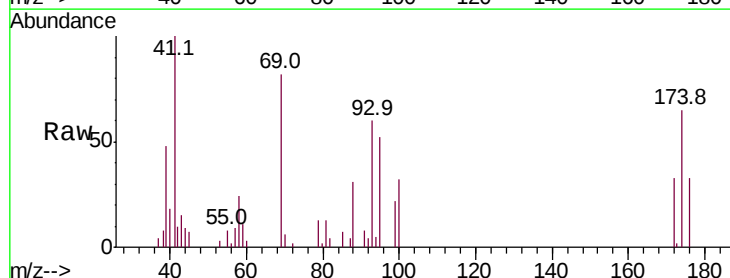
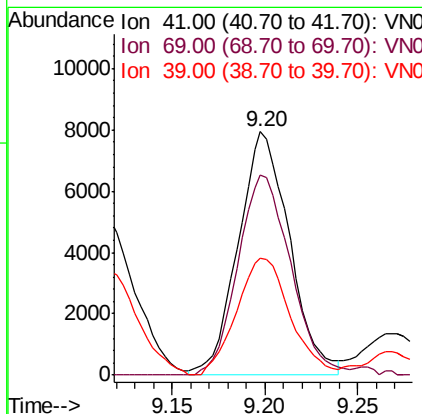
RT: 9.20 min Scan# 2309

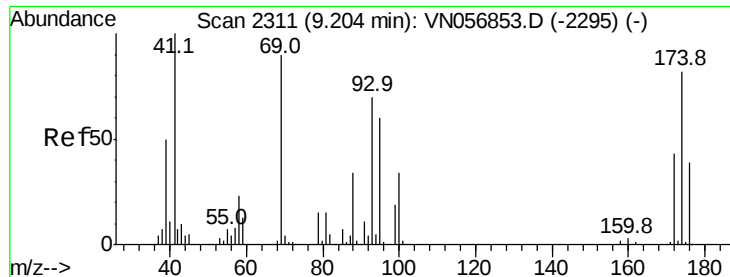
Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	41	Resp:	15247
Ion Ratio	Lower	Upper	
41	100		
69	84.7	71.1	106.7
39	50.1	40.6	60.8





#49

1,4-Dioxane

Concen: 78.103 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 88 Resp: 6027

Ion Ratio Lower Upper

88 100

43 26.9 21.4 32.2

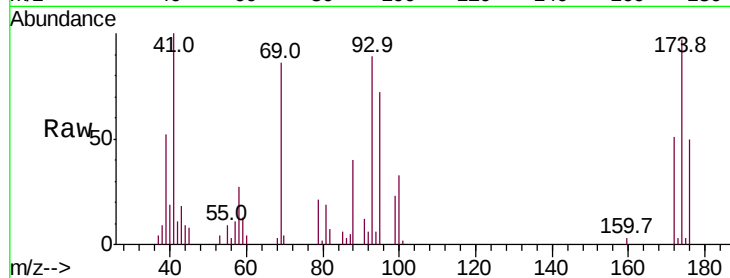
58 76.4 55.7 83.5

Manual Integrations

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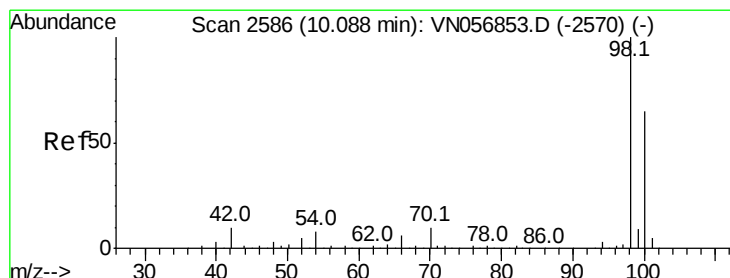
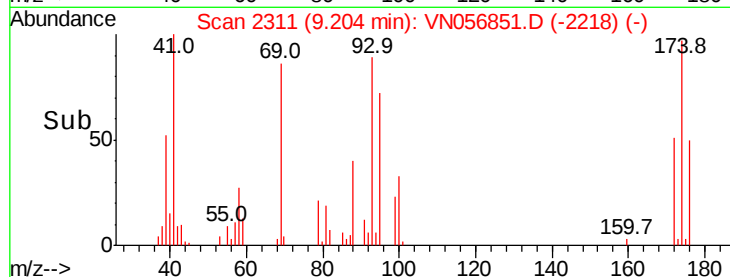
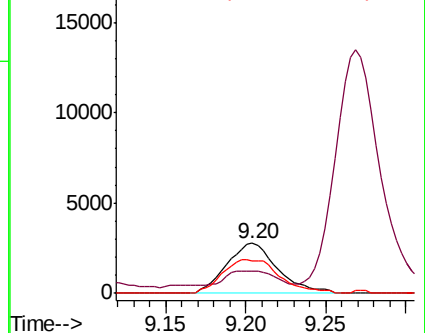
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Abundance Ion 88.00 (87.70 to 88.70): VN056851.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN056851.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN056851.D (-2295) (-)



#50

Toluene-d8

Concen: 4.799 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056851.D

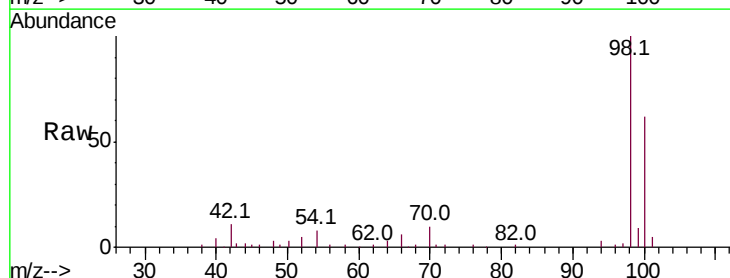
Acq: 22 Jul 2019 12:21

Tgt Ion: 98 Resp: 62736

Ion Ratio Lower Upper

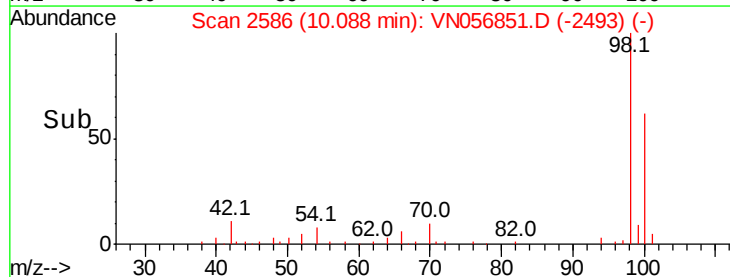
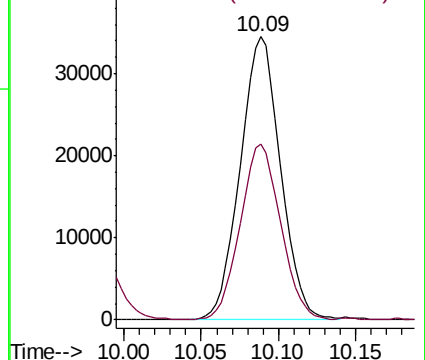
98 100

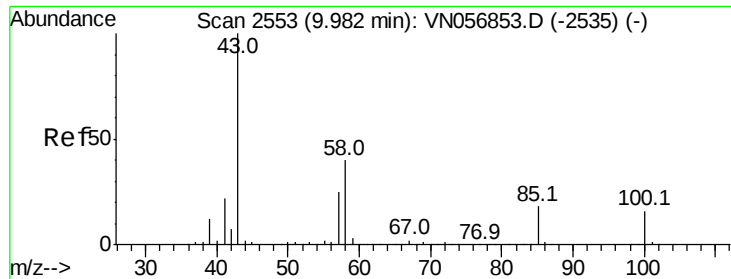
100 62.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN056851.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056851.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 18.571 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 91629

Ion Ratio Lower Upper

43 100

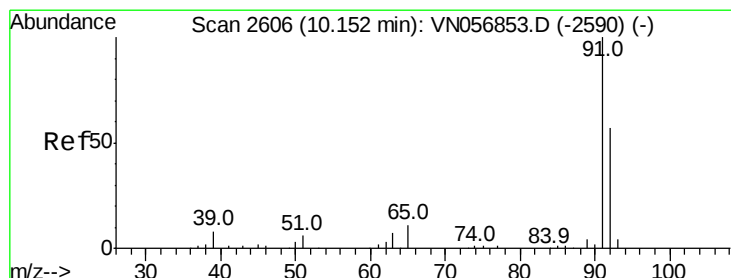
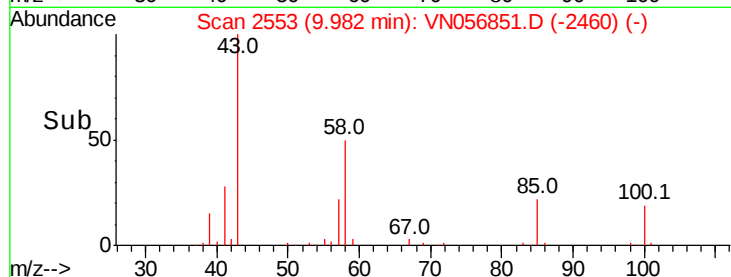
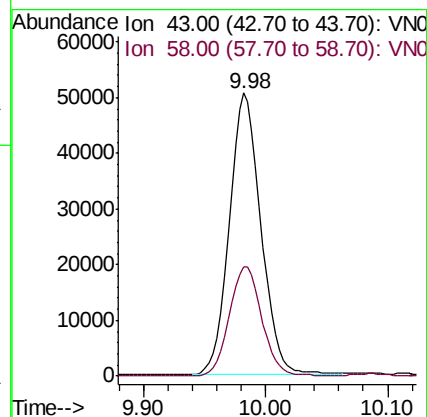
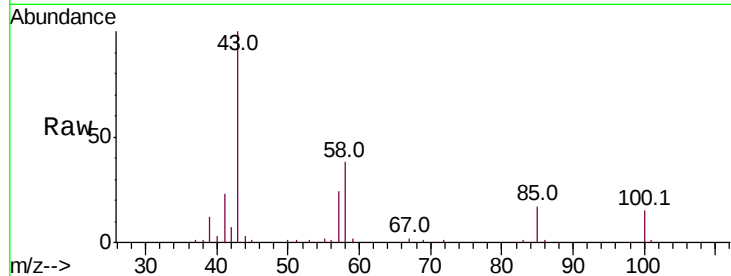
58 39.9 32.4 48.6

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#52

Toluene

Concen: 4.666 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056851.D

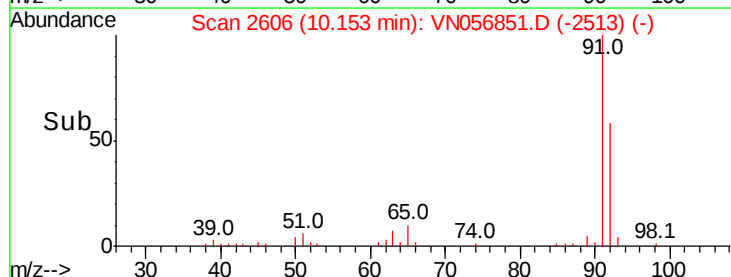
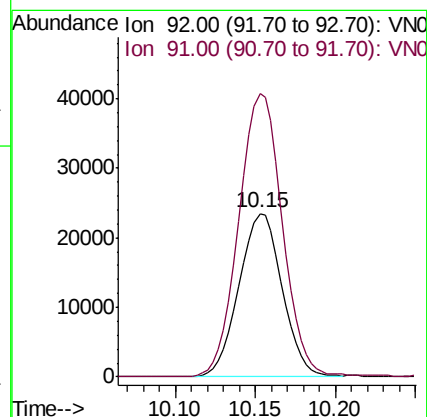
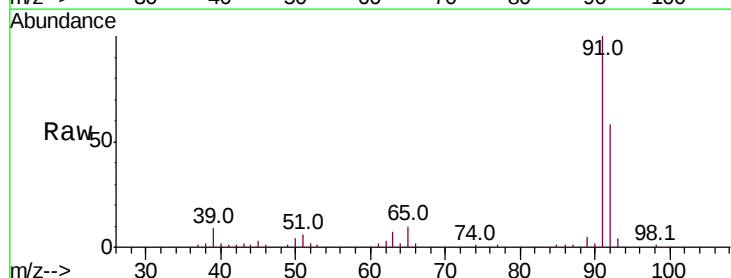
Acq: 22 Jul 2019 12:21

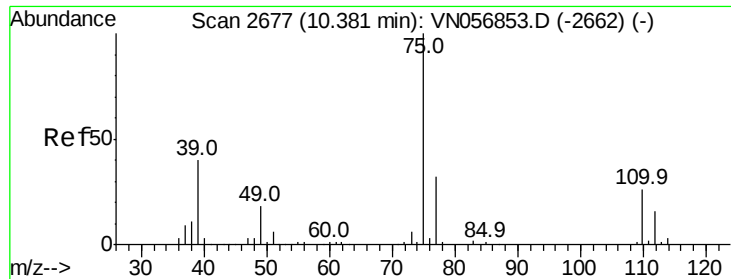
Tgt Ion: 92 Resp: 43278

Ion Ratio Lower Upper

92 100

91 174.9 140.6 210.8





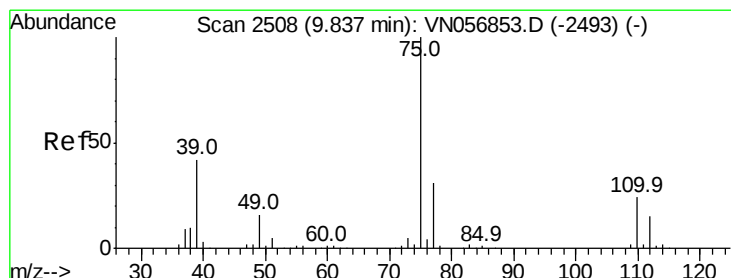
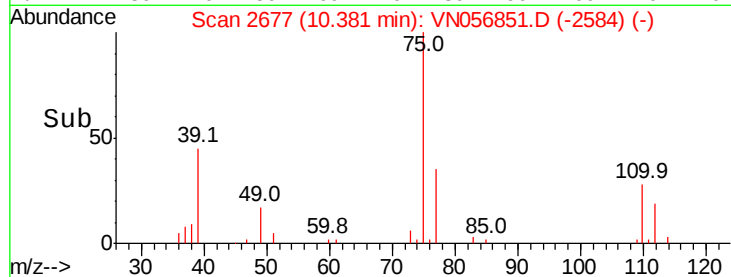
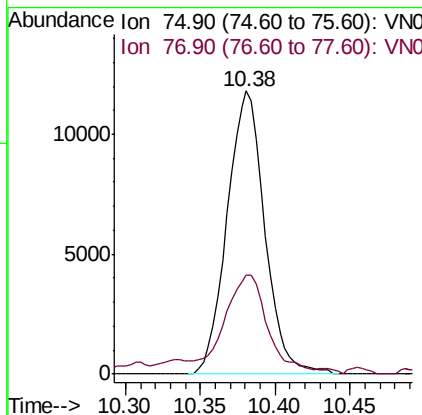
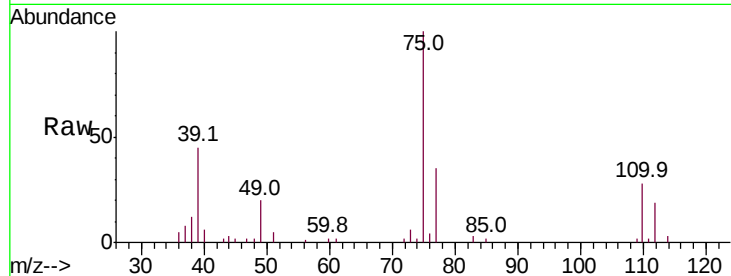
#53
t-1,3-Dichloropropene
Concen: 4.080 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 20641
Ion Ratio Lower Upper
75 100
77 33.7 25.4 38.2

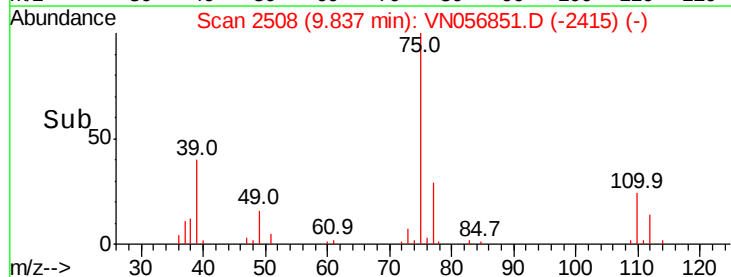
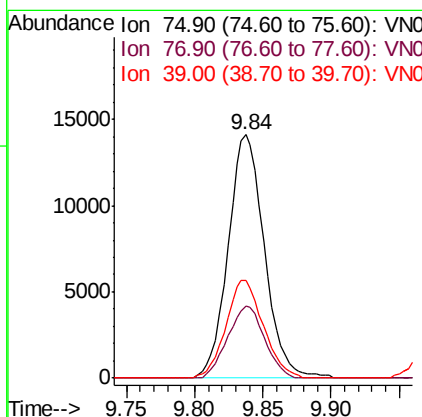
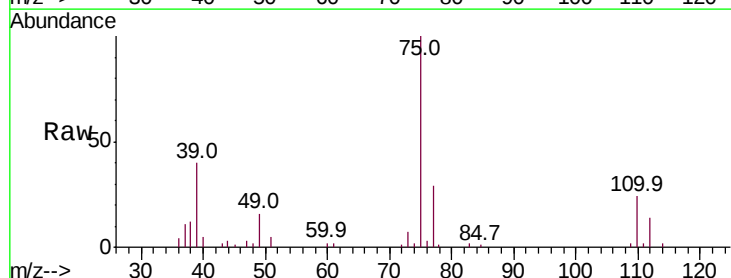
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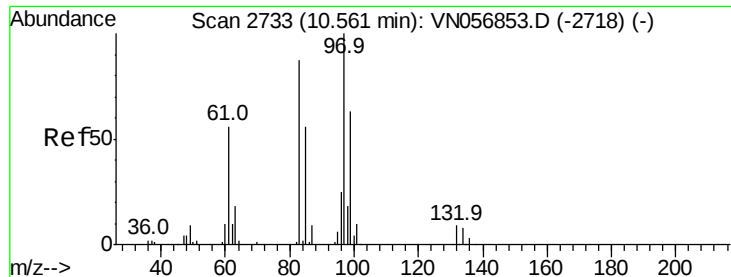
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#54
cis-1,3-Dichloropropene
Concen: 4.420 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 75 Resp: 26022
Ion Ratio Lower Upper
75 100
77 29.4 25.1 37.7
39 40.2 33.4 50.2





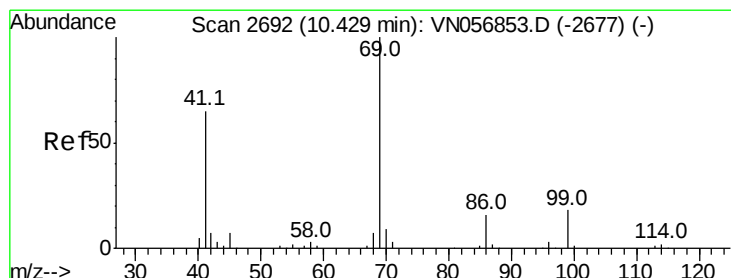
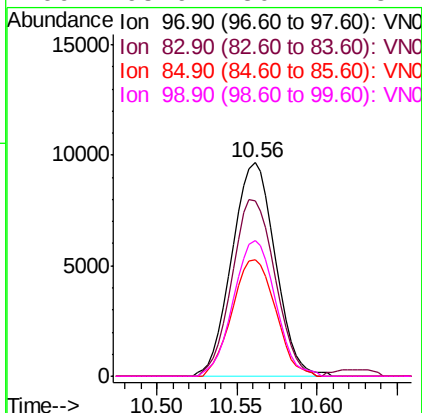
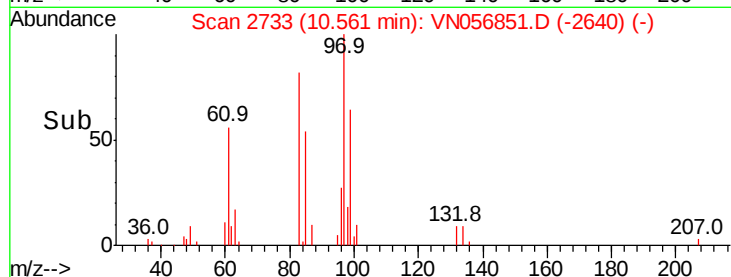
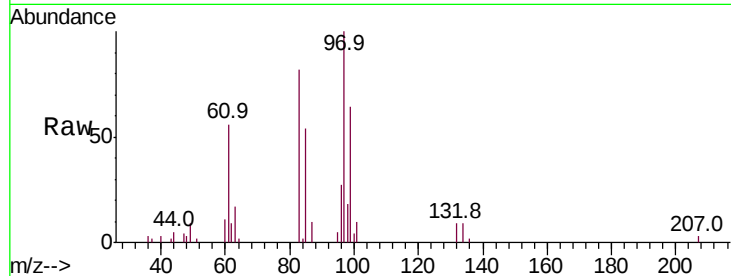
#55
 1,1,2-Trichloroethane
 Concen: 4.641 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.1	70.0	105.0
85	54.4	45.1	67.7
99	63.6	50.2	75.4

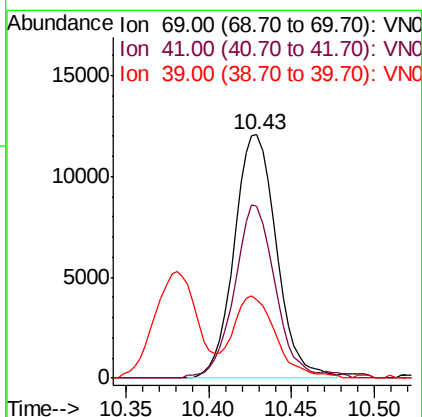
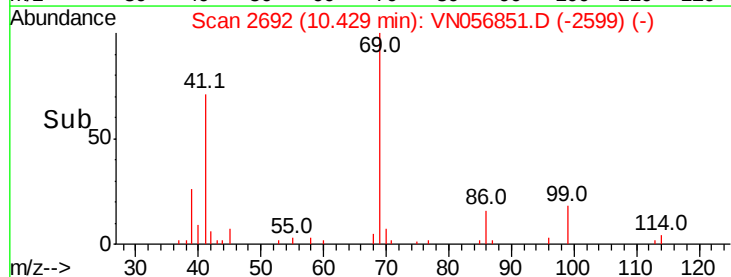
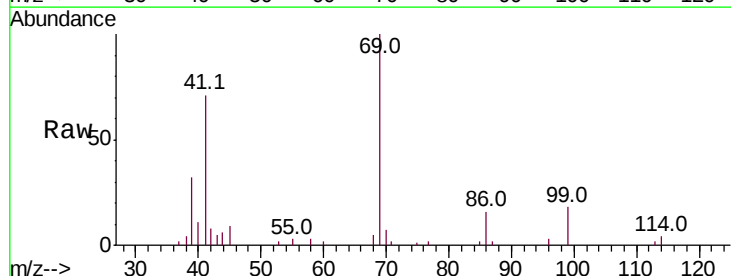
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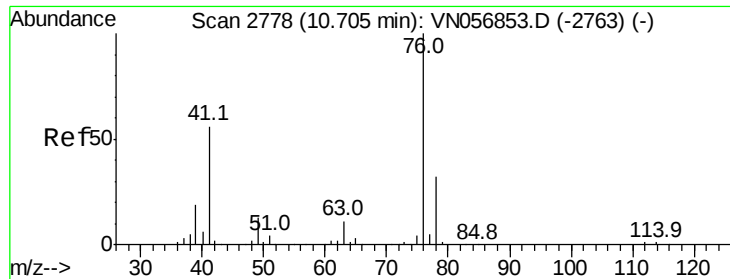
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#56
 Ethyl methacrylate
 Concen: 3.923 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	51.0	76.6
39	35.0	24.5	36.7





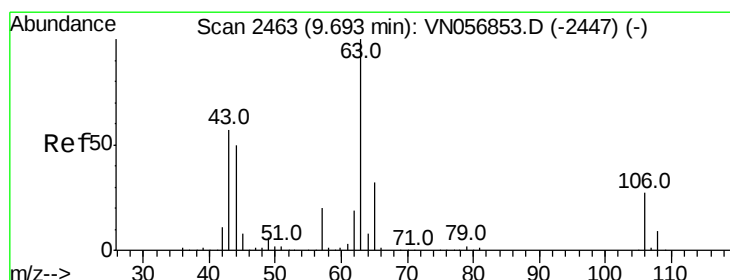
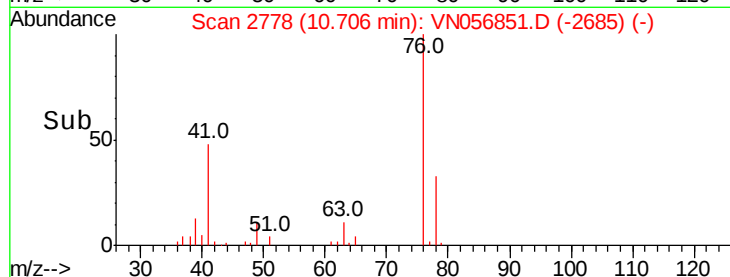
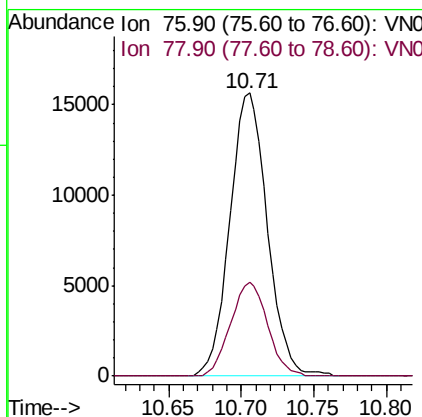
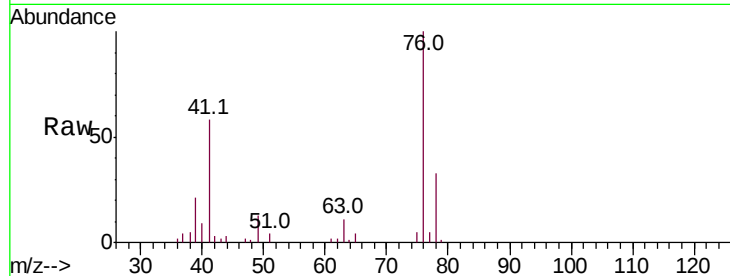
#57
 1,3-Dichloropropane
 Concen: 4.456 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 28090
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.6

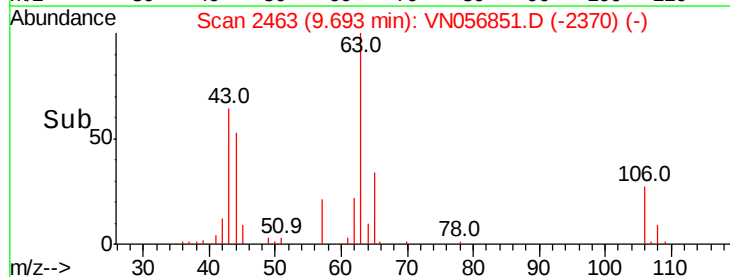
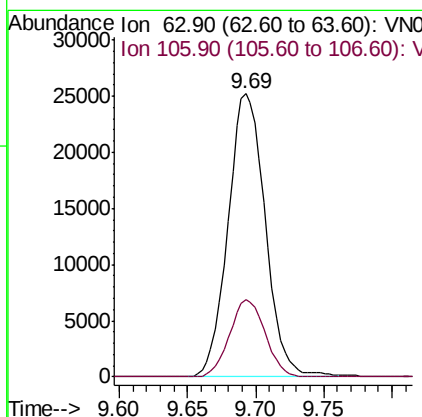
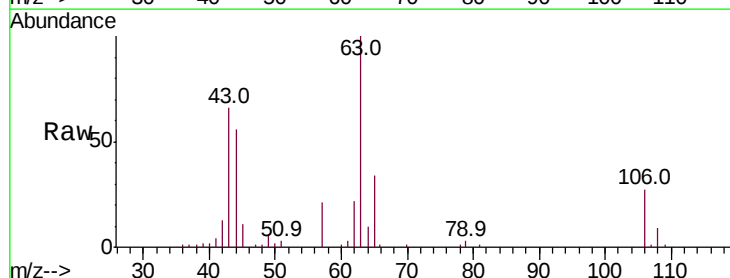
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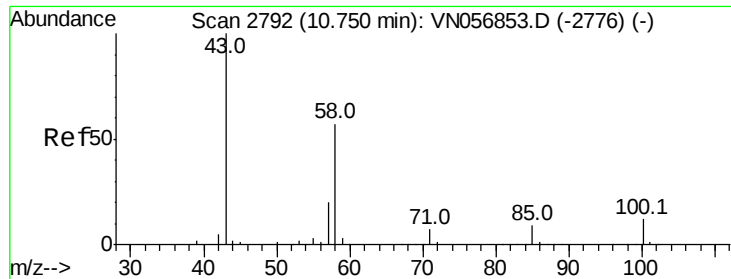
MMDadoda
 7/25/2019 3:01:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.501 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion: 63 Resp: 47777
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.8 32.8





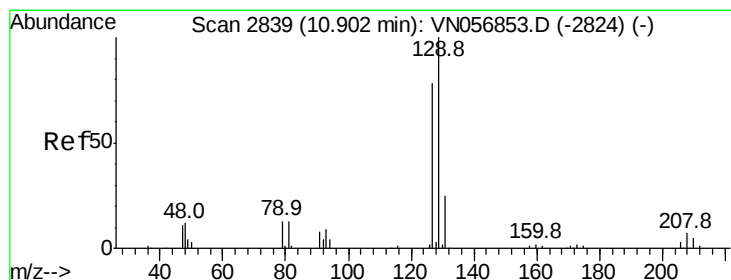
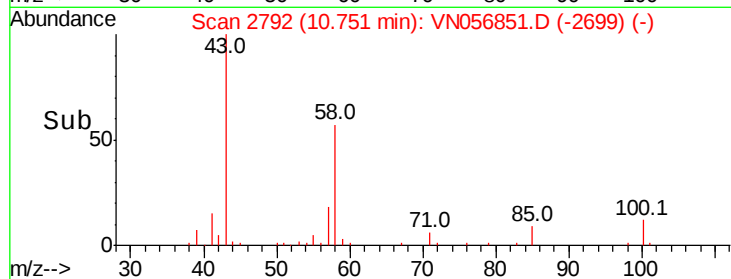
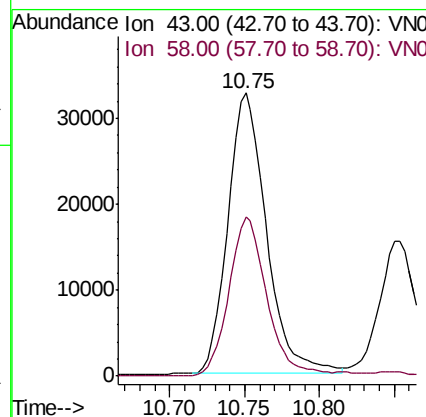
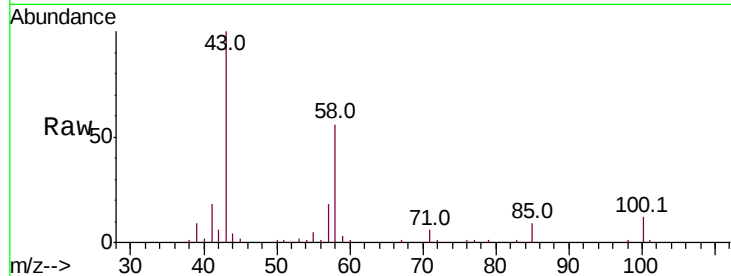
#59
2-Hexanone
Concen: 16.740 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 58690
Ion Ratio Lower Upper
43 100
58 55.7 28.3 85.0

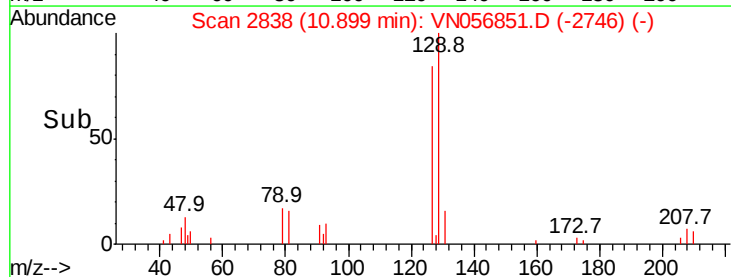
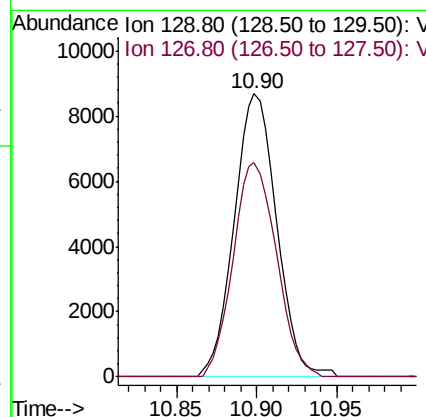
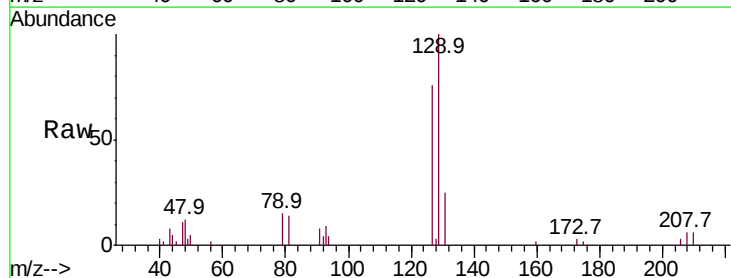
Manual Integrations
APPROVED

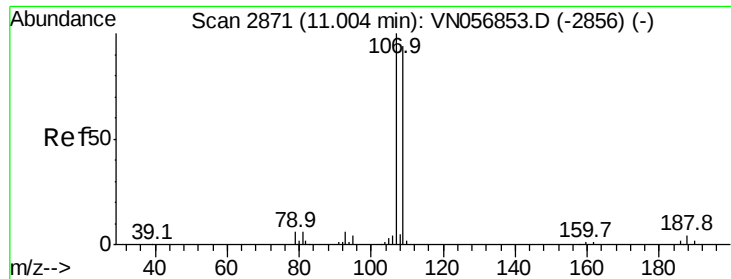
MMDadoda
7/25/2019 3:01:07 PM



#60
Dibromochloromethane
Concen: 4.137 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 129 Resp: 15707
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 4.414 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 16929

Ion Ratio Lower Upper

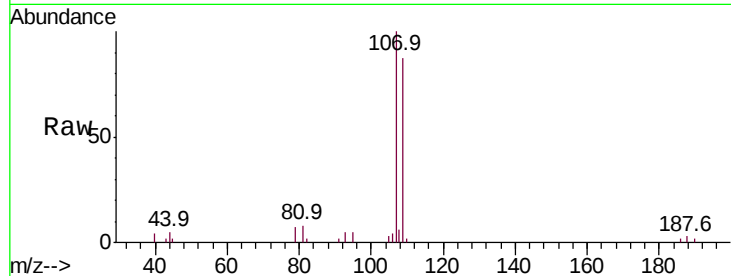
107 100

109 91.6 75.3 112.9

Manual Integrations
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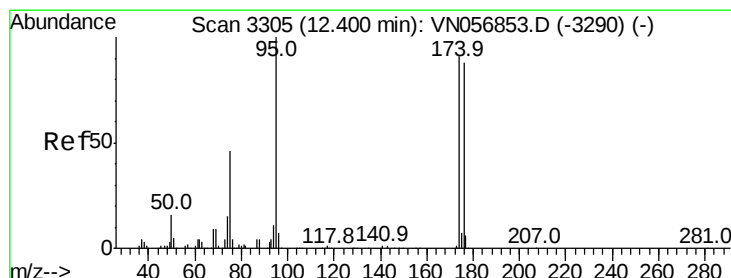
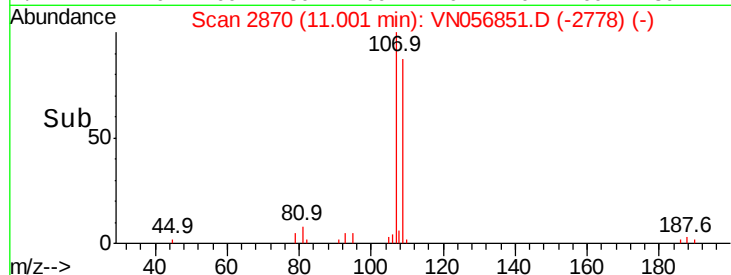
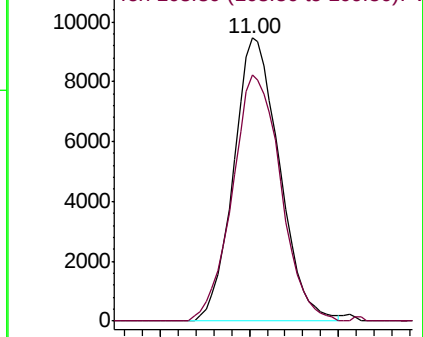
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.033 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

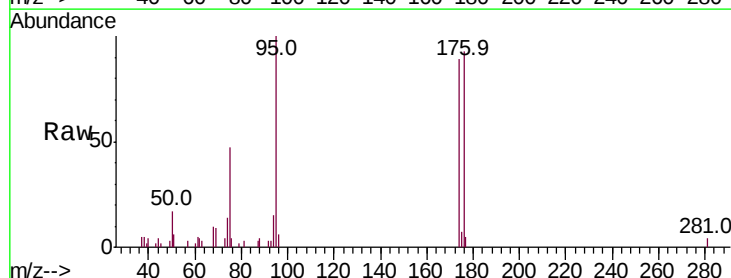
Tgt Ion: 95 Resp: 17690

Ion Ratio Lower Upper

95 100

174 91.2 0.0 183.4

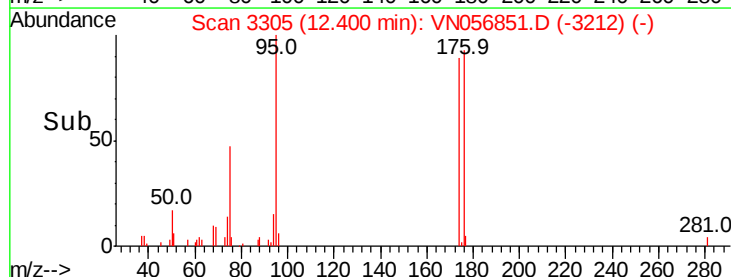
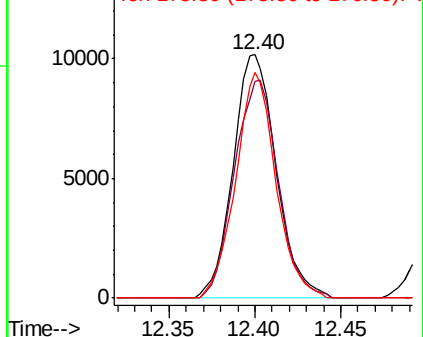
176 86.4 0.0 175.8

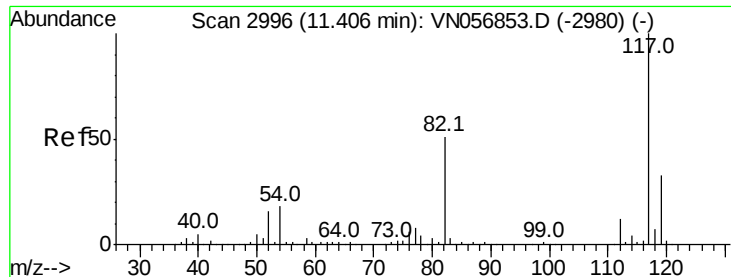


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





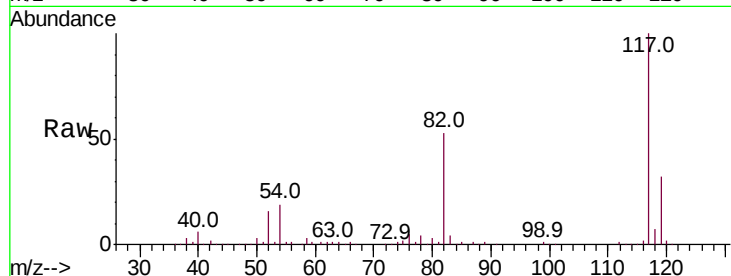
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.2	61.8
119	31.9	26.4	39.6

Manual Integrations
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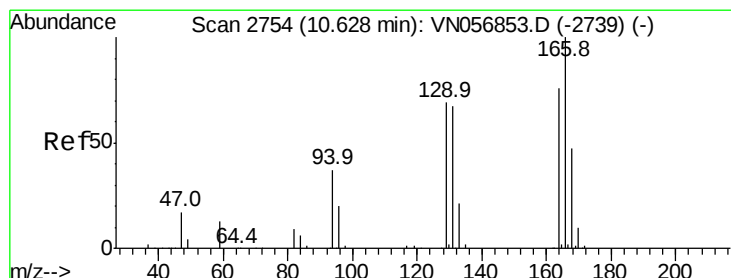
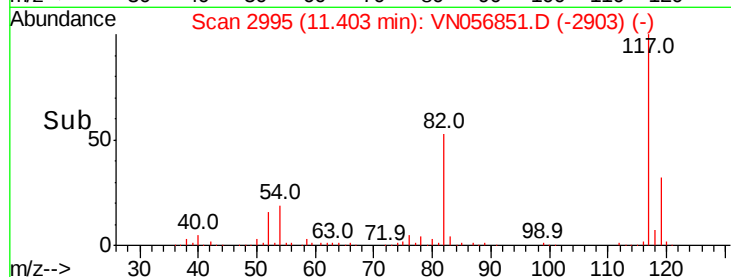
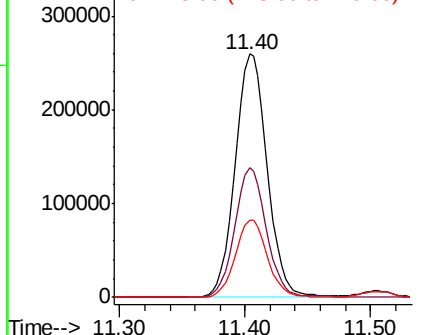


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.008 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	104.9	157.3
129	91.0	72.8	109.2
131	84.6	70.2	105.2

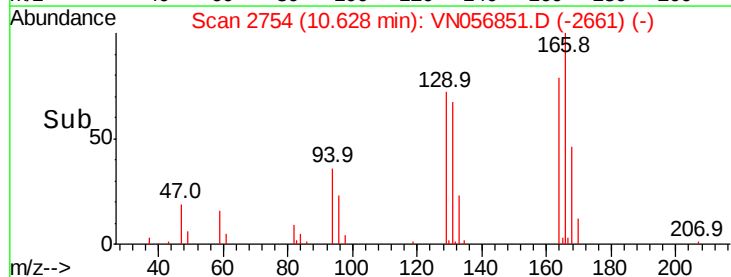
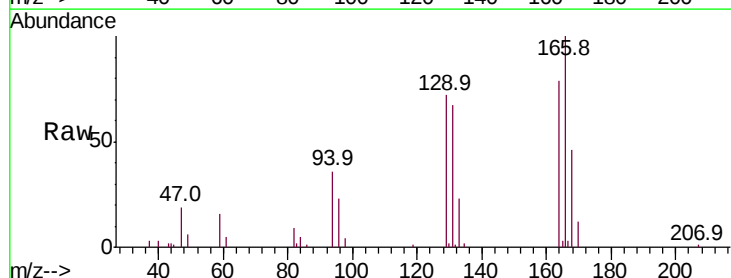
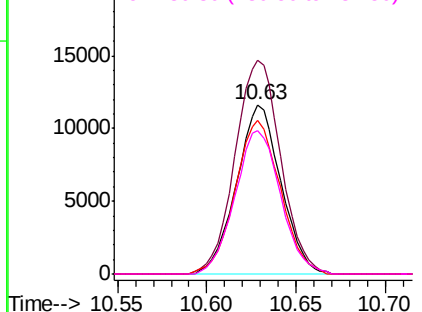
Abundance

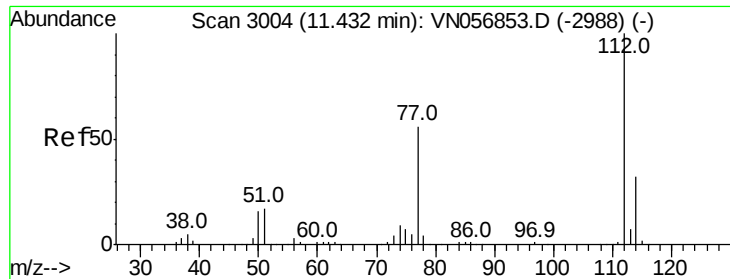
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





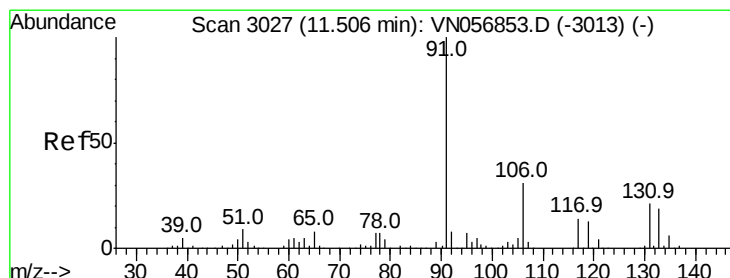
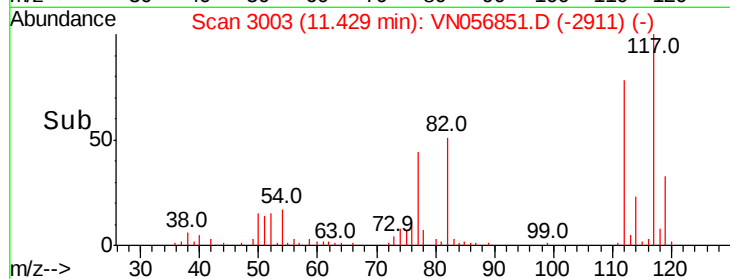
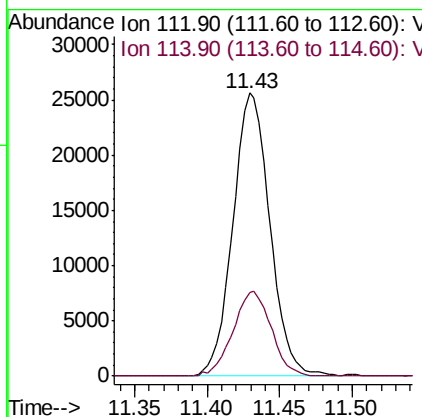
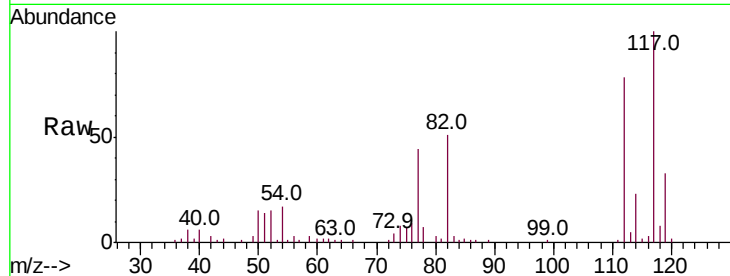
#65
Chlorobenzene
Concen: 4.753 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 45372
Ion Ratio Lower Upper
112 100
114 29.5 25.5 38.3

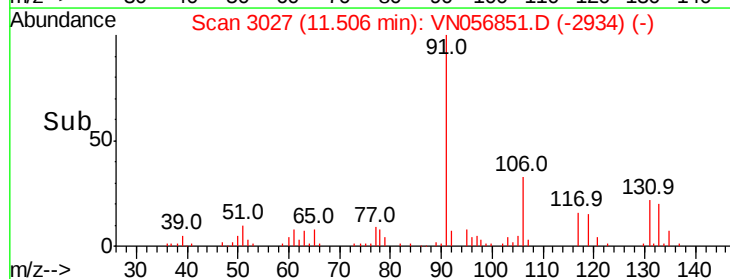
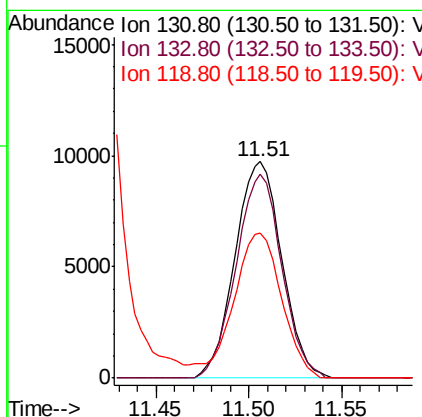
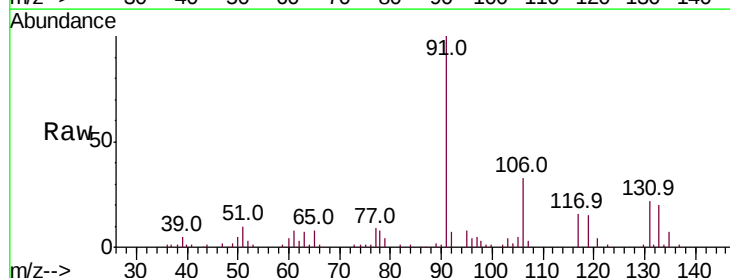
Manual Integrations
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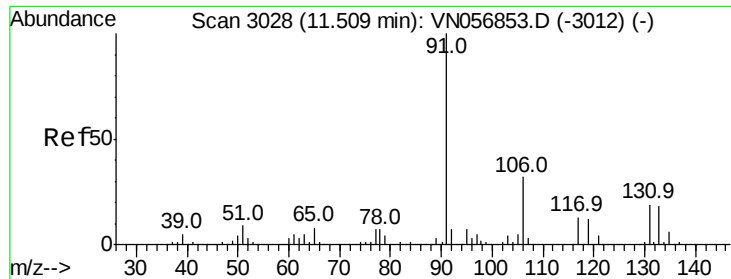
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.855 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion:131 Resp: 17052
Ion Ratio Lower Upper
131 100
133 92.2 47.4 142.3
119 67.8 33.1 99.5





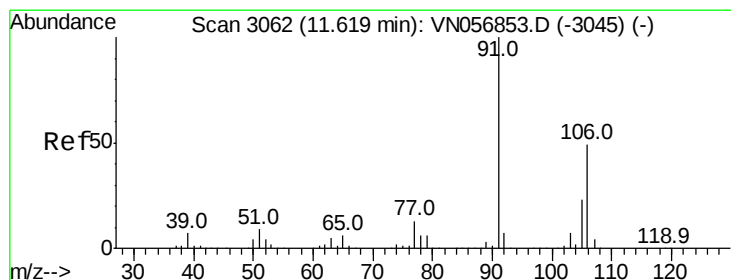
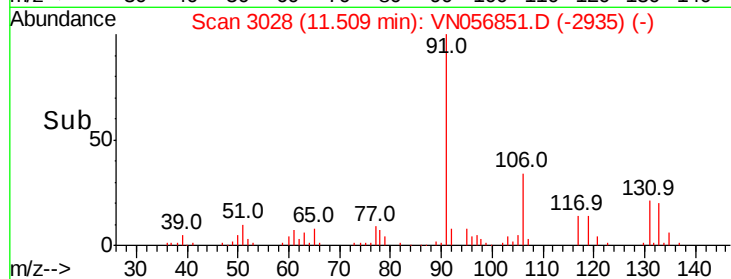
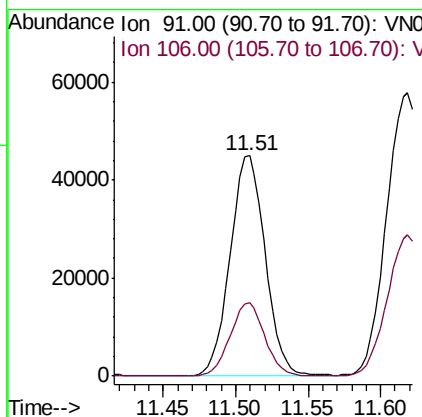
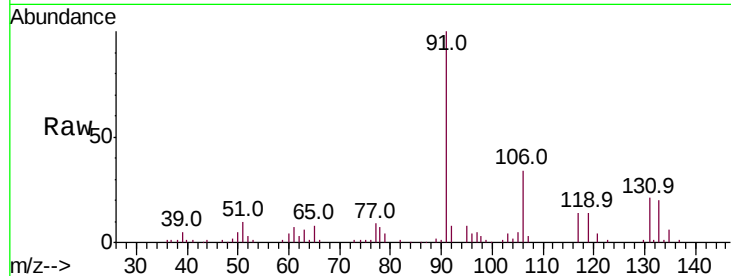
#67
Ethyl Benzene
Concen: 4.521 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 75738
Ion Ratio Lower Upper
91 100
106 33.6 25.3 37.9

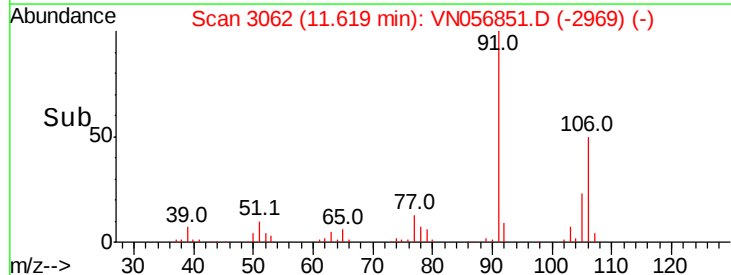
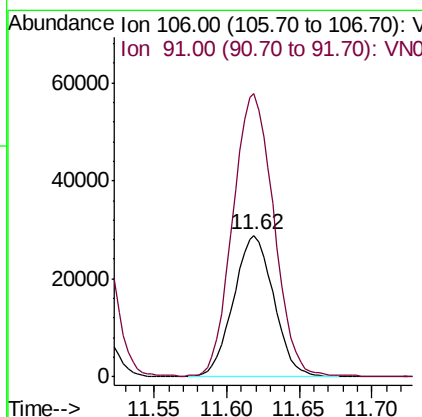
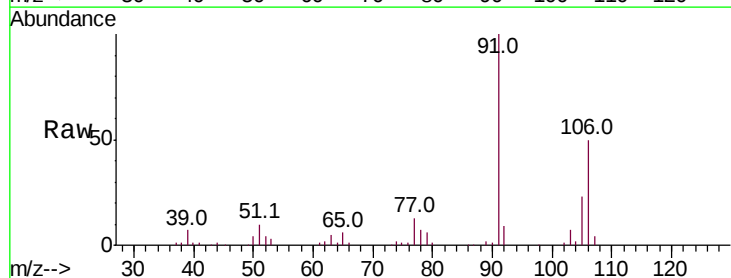
Manual Integrations
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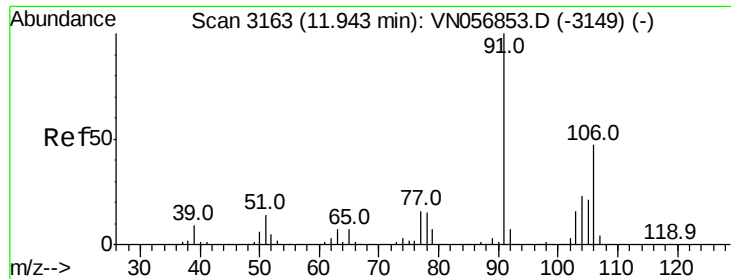
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#68
m/p-Xylenes
Concen: 8.919 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 106 Resp: 55814
Ion Ratio Lower Upper
106 100
91 201.8 160.5 240.7





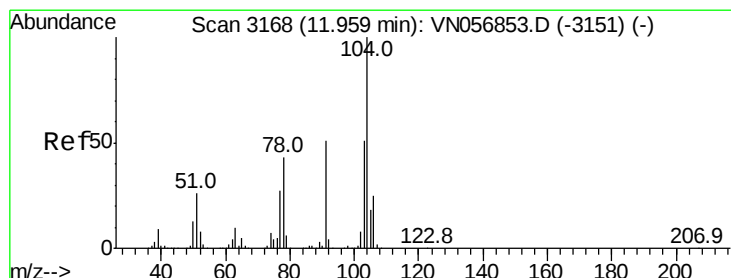
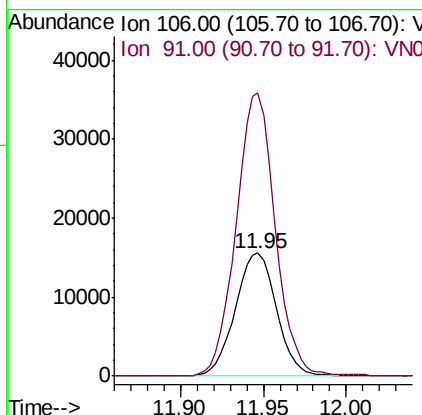
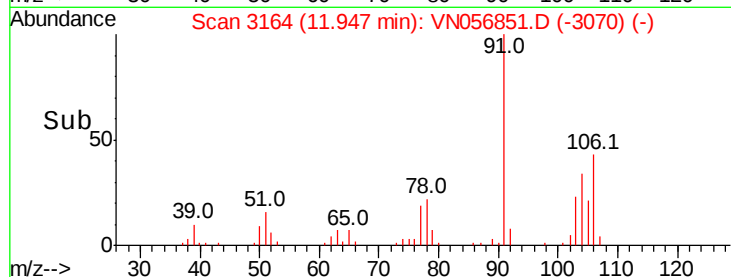
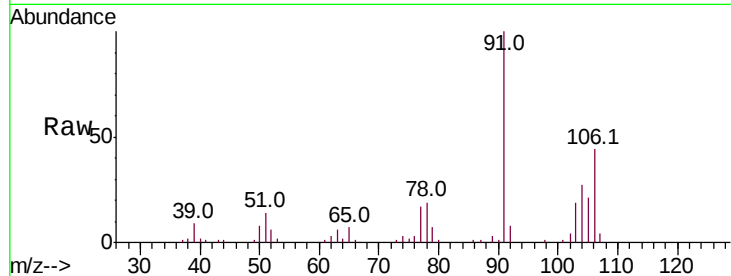
#69
o-Xylene
Concen: 4.374 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 26919
Ion Ratio Lower Upper
106 100
91 218.5 105.1 315.3

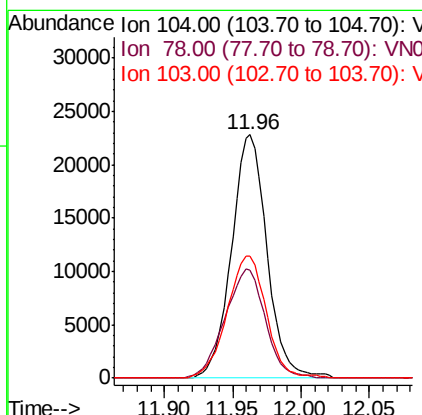
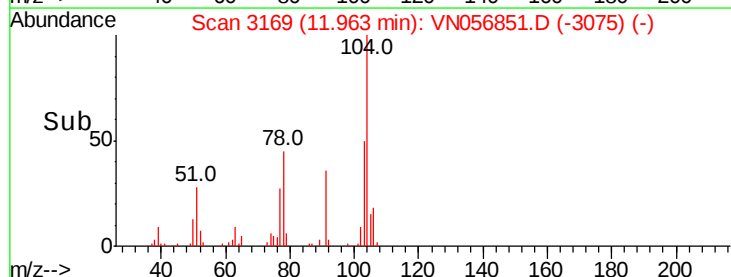
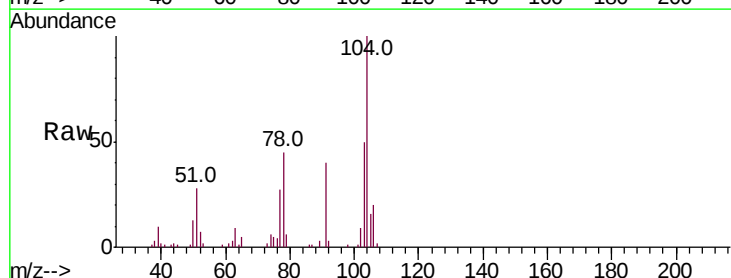
Manual Integrations
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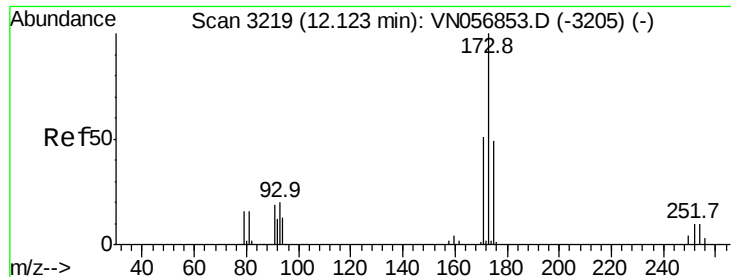
MMDadoda
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#70
Styrene
Concen: 4.158 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion:104 Resp: 41318
Ion Ratio Lower Upper
104 100
78 50.7 38.1 57.1
103 54.6 44.2 66.4





#71

Bromoform

Concen: 3.943 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 10375

Ion Ratio Lower Upper

173 100

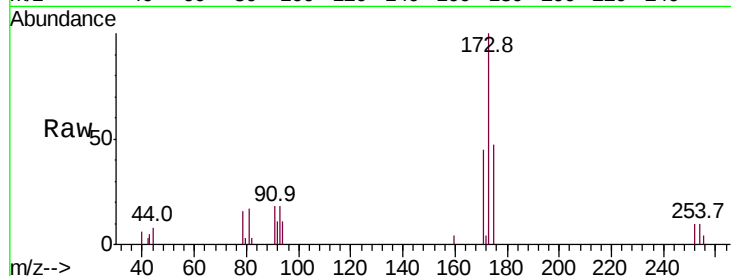
175 48.6 24.1 72.3

254 0.0 0.0 0.0

Manual Integrations
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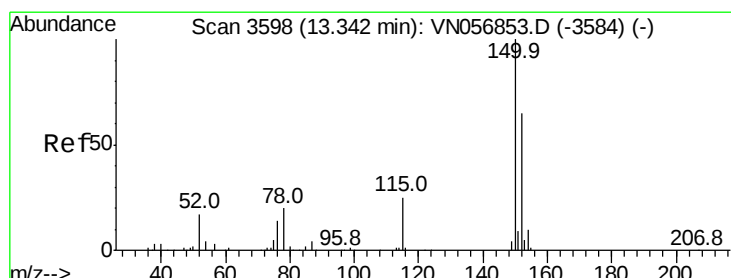
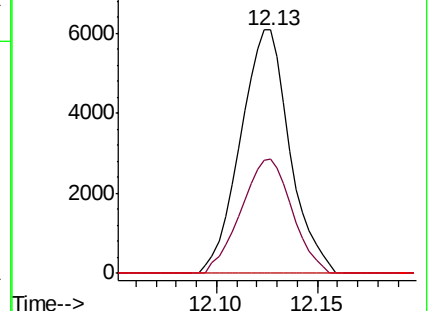
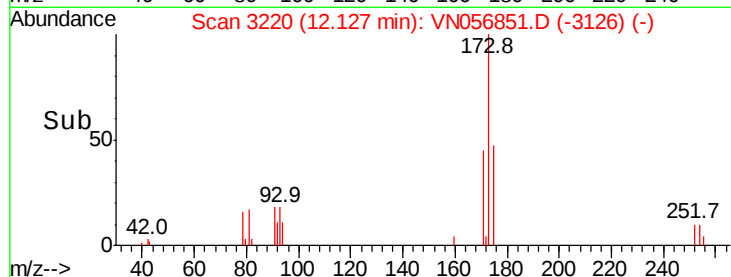
7/25/2019 3:01:07 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

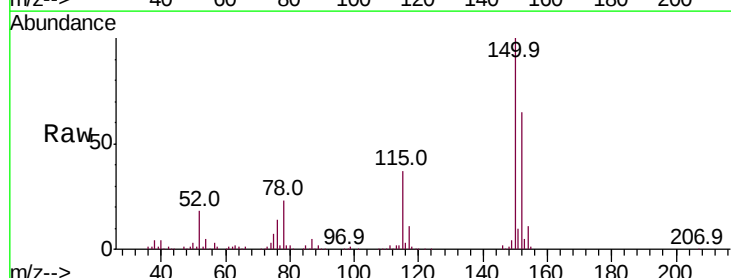
Tgt Ion:152 Resp: 155420

Ion Ratio Lower Upper

152 100

115 56.1 27.6 82.7

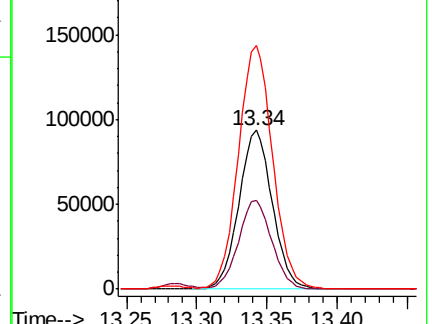
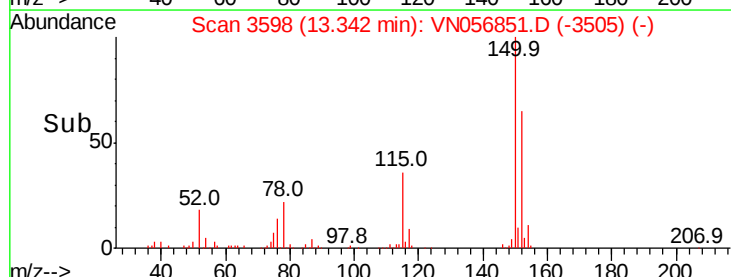
150 156.8 0.0 343.0

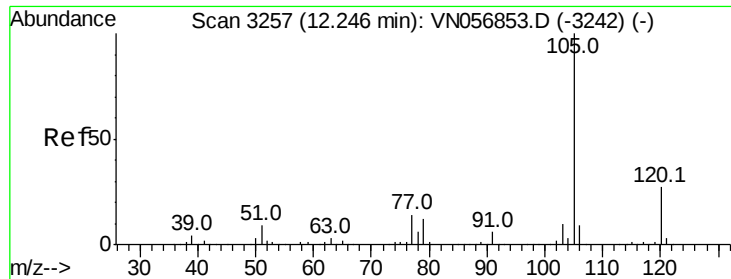


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.703 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 72725

Ion Ratio Lower Upper

105 100

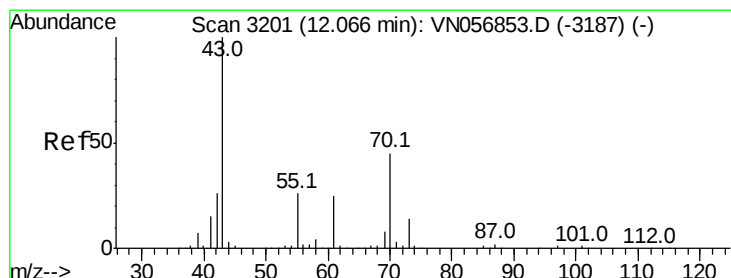
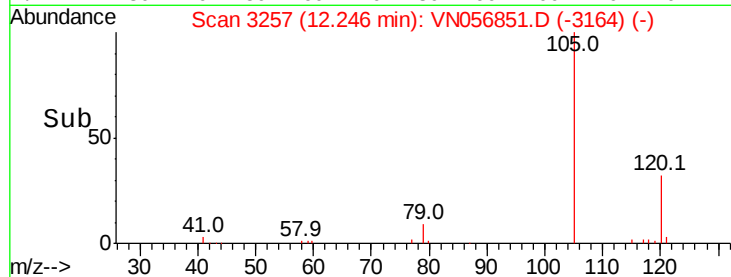
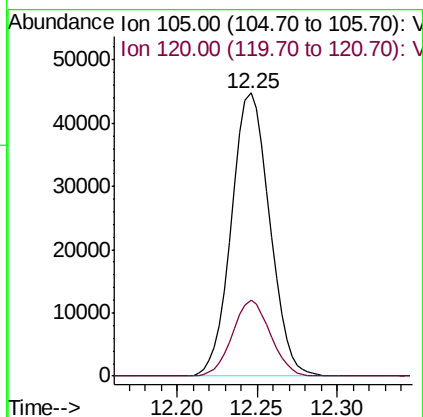
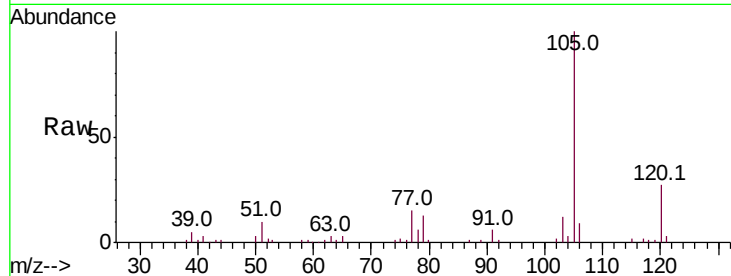
120 26.5 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 4.593 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion: 43 Resp: 21332

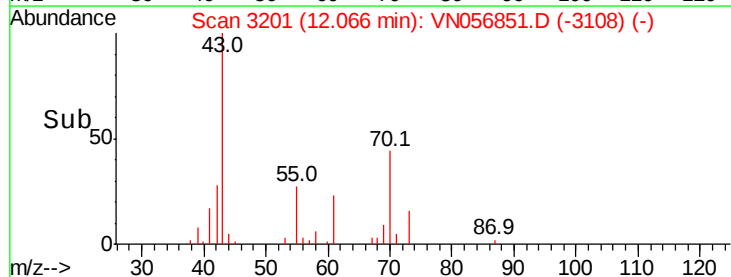
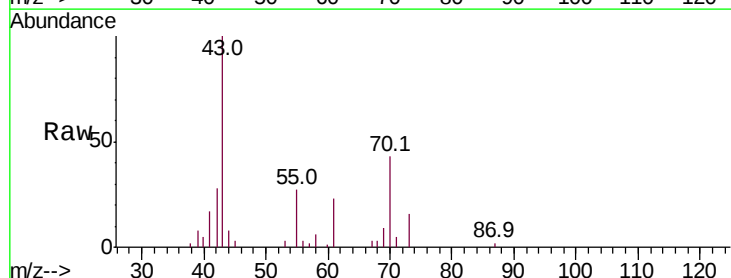
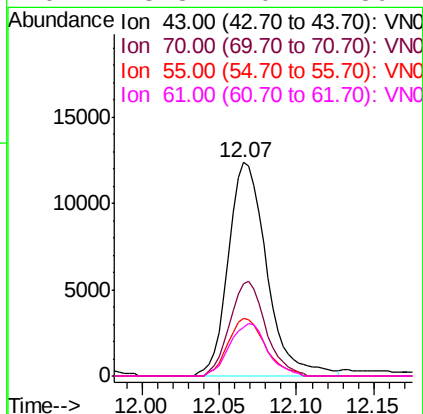
Ion Ratio Lower Upper

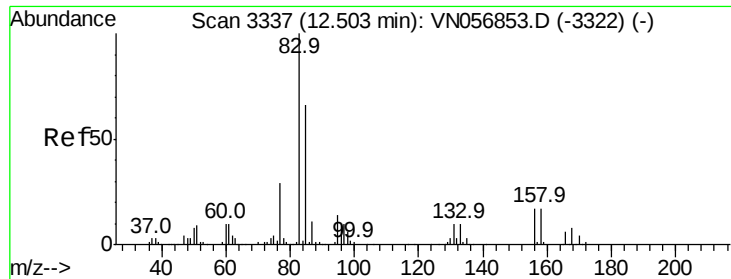
43 100

70 41.0 35.3 52.9

55 25.8 20.6 31.0

61 23.8 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.067 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

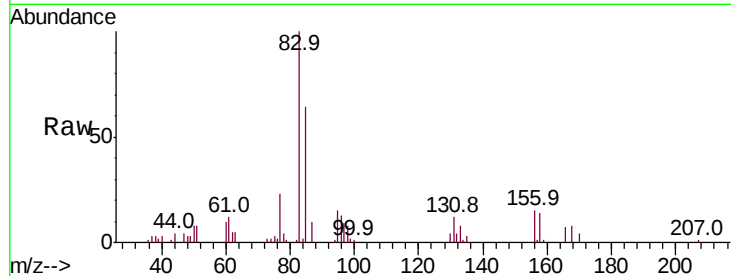
ClientSampleId :

VSTDIC005

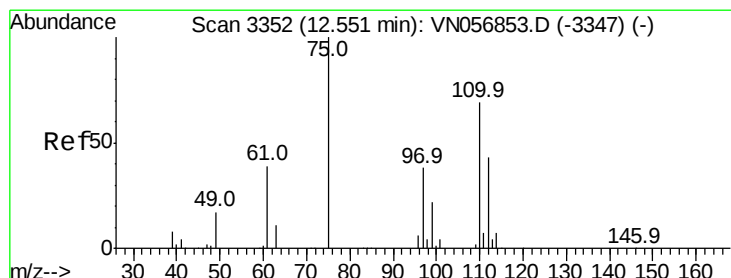
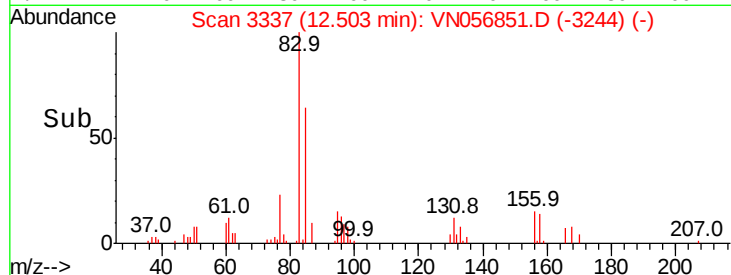
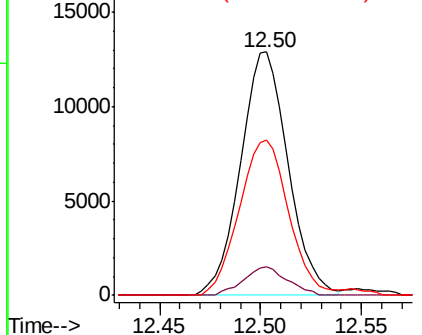
Tot Ion:	83	Resp:	21317
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.4
85	66.0	32.8	98.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 5.433 ug/l m

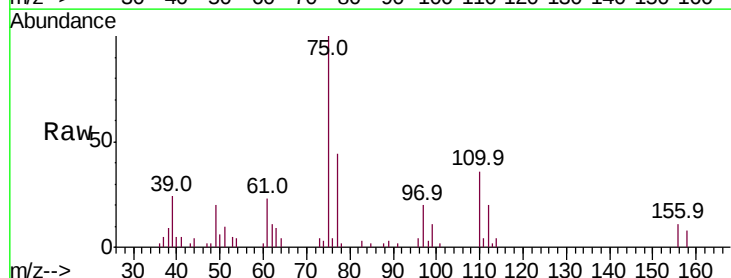
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

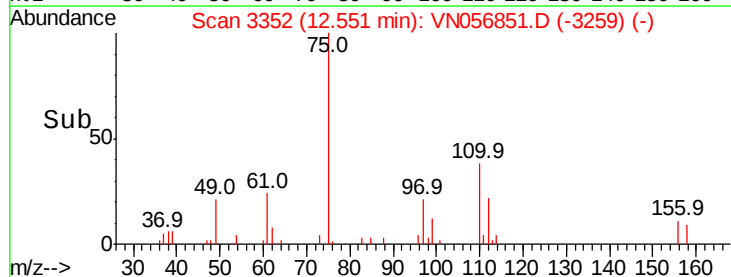
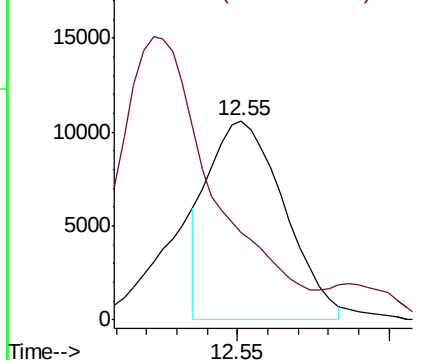
Lab File: VN056851.D

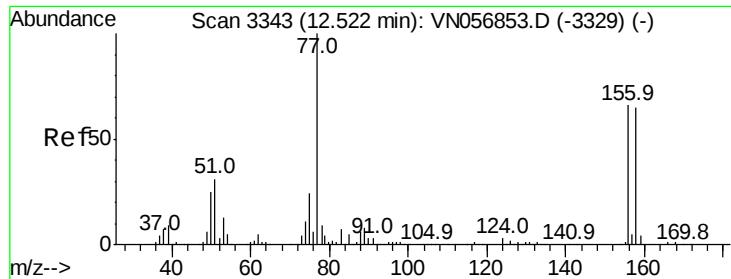
Acq: 22 Jul 2019 12:21

Tgt Ion:	75	Resp:	18354
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 5.400 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 17999

Ion Ratio Lower Upper

156 100

77 186.1 90.7 272.1

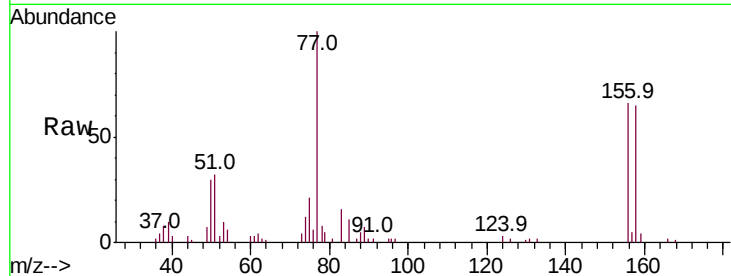
158 99.0 48.5 145.5

Manual Integrations

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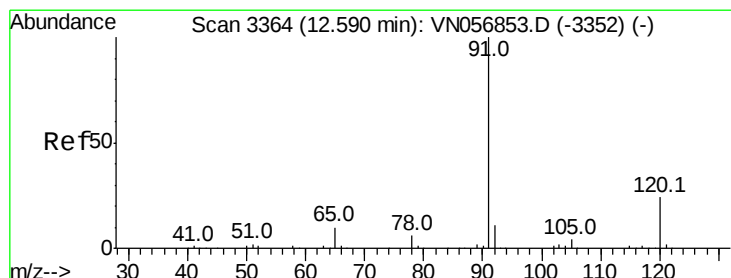
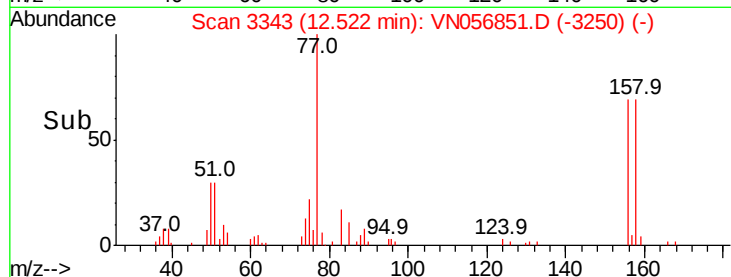
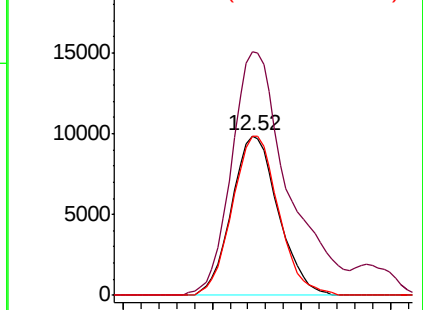
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.131 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056851.D

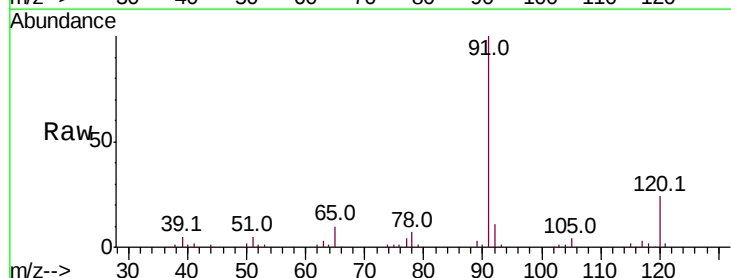
Acq: 22 Jul 2019 12:21

Tgt Ion: 91 Resp: 72276

Ion Ratio Lower Upper

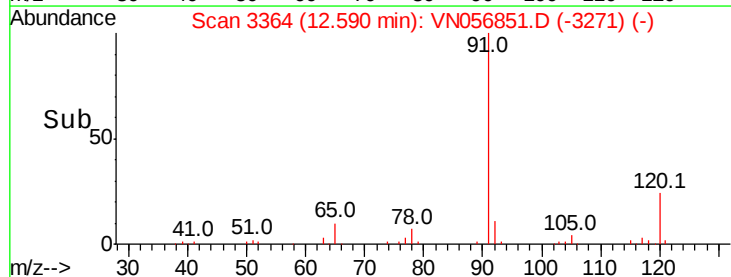
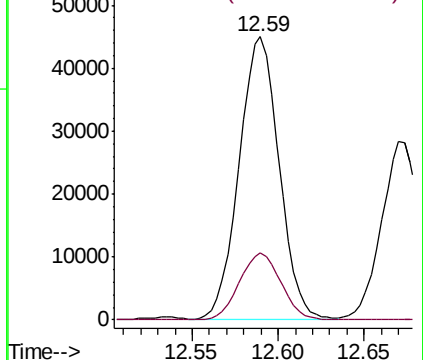
91 100

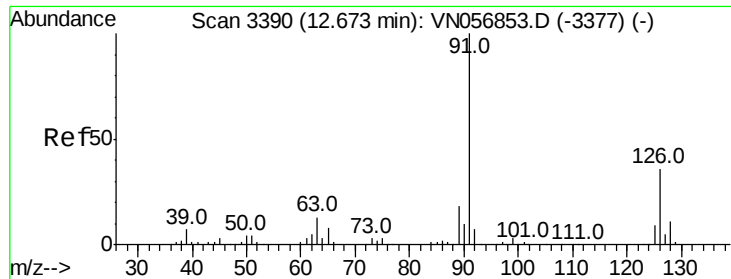
120 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.304 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 46233

Ion Ratio Lower Upper

91 100

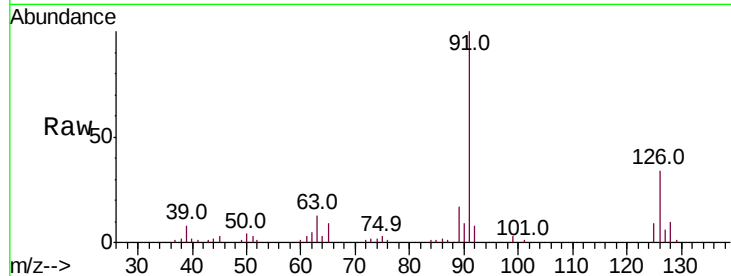
126 35.7 17.8 53.5

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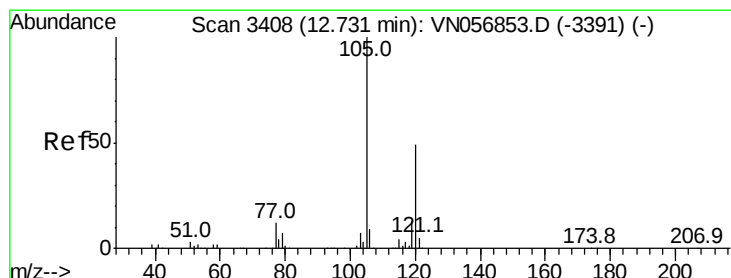
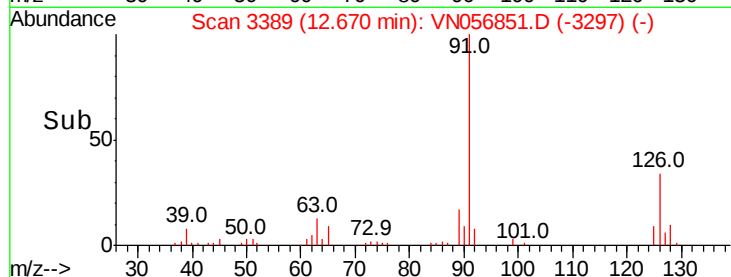


Abundance Ion 91.00 (90.70 to 91.70): VN056851.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN056851.D (-3377) (-)

12.67

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 5.524 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056851.D

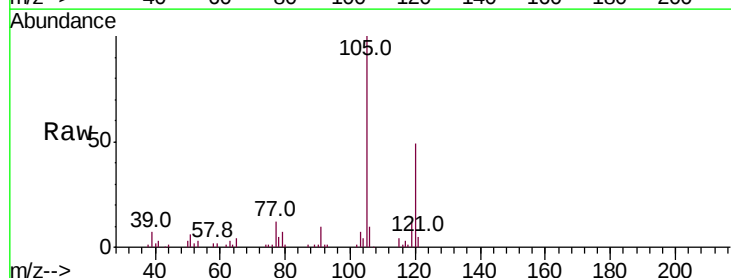
Acq: 22 Jul 2019 12:21

Tgt Ion: 105 Resp: 59542

Ion Ratio Lower Upper

105 100

120 48.5 24.7 74.1

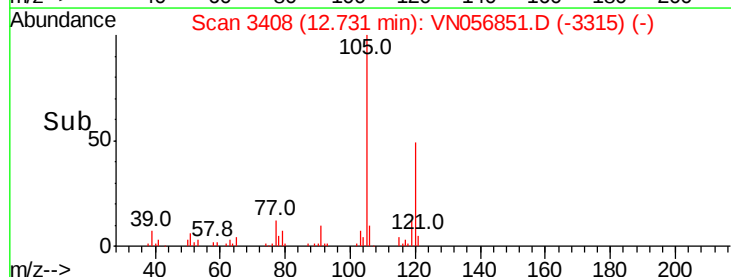


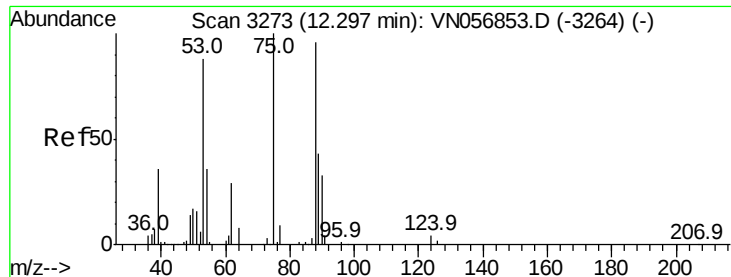
Abundance Ion 105.00 (104.70 to 105.70): VN056851.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056851.D (-3391) (-)

12.73

Time--> 12.65 12.70 12.75 12.80





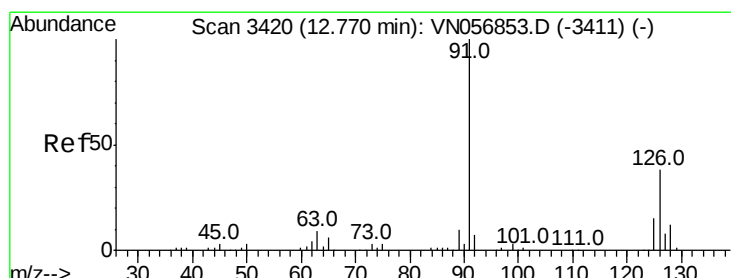
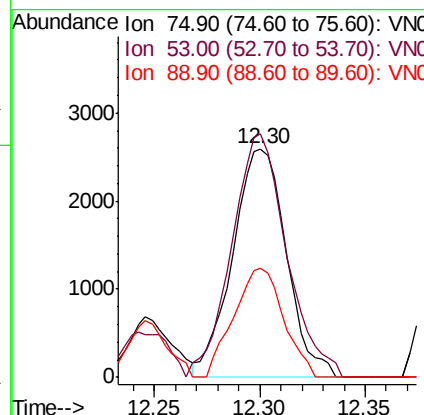
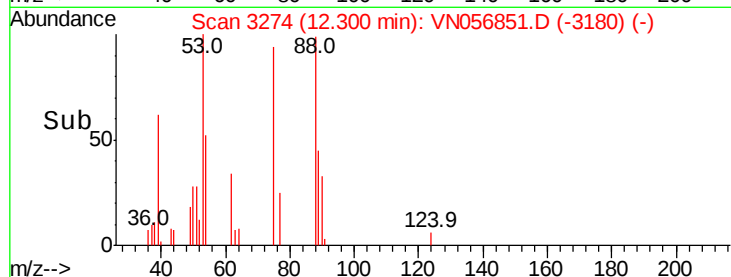
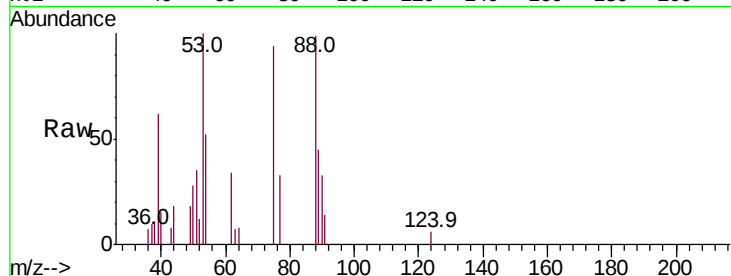
#81
trans-1,4-Dichloro-2-butene
Concen: 4.216 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 4589
Ion Ratio Lower Upper
75 100
53 108.7 72.3 108.5#
89 44.0 36.2 54.4

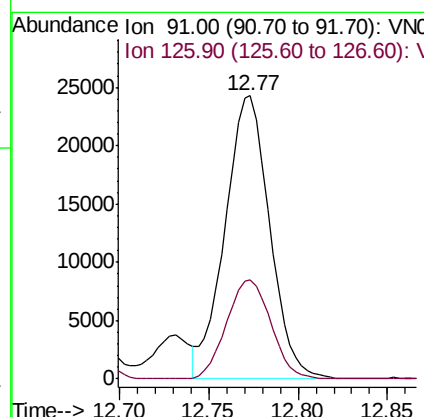
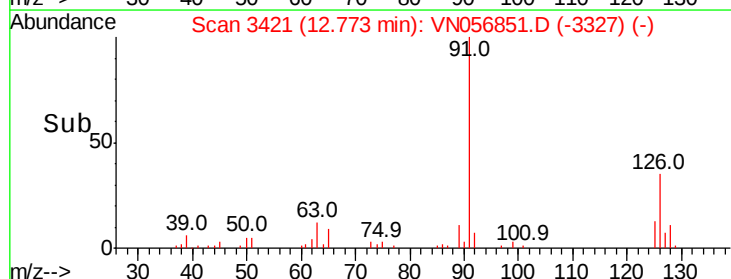
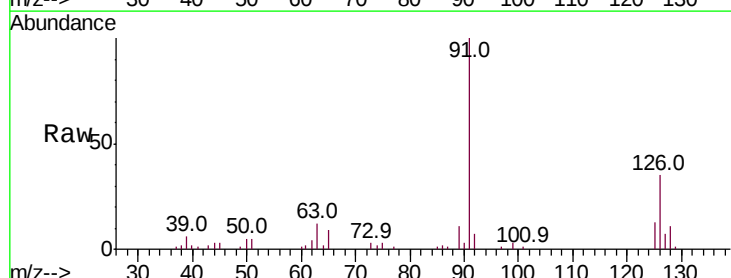
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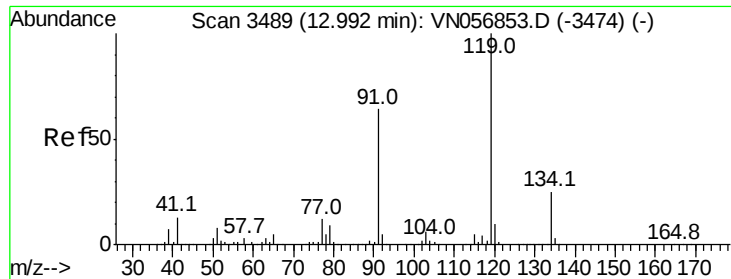
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.113 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN056851.D
Acq: 22 Jul 2019 12:21

Tgt Ion: 91 Resp: 42291
Ion Ratio Lower Upper
91 100
126 34.6 17.3 52.0





#83

tert-Butylbenzene

Concen: 5.593 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN056851.D

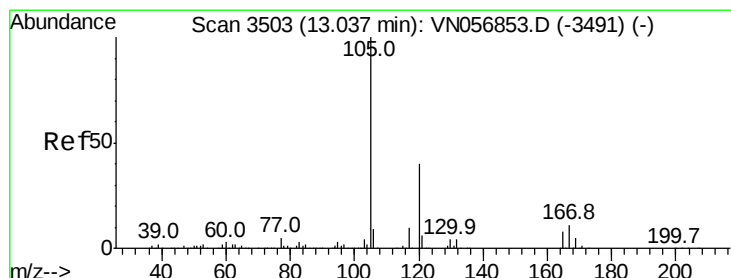
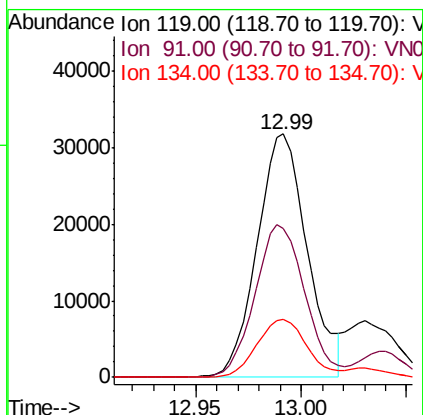
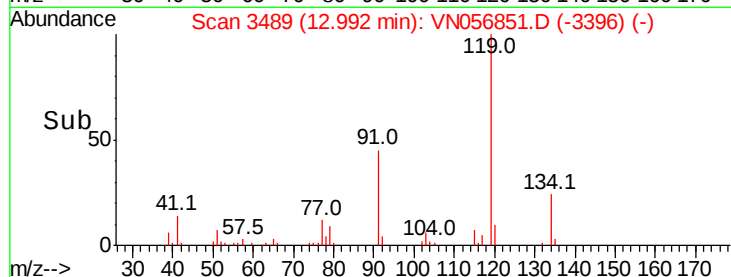
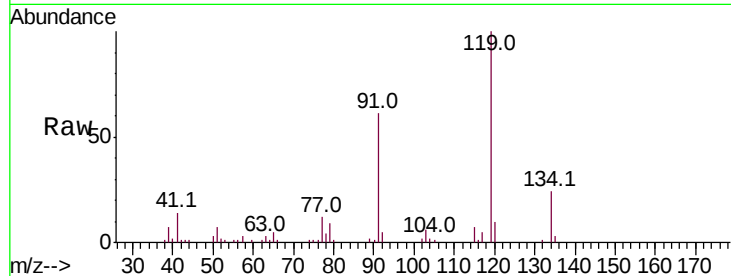
Acq: 22 Jul 2019 12:21

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	31.5	94.5
134	23.8	12.2	36.6

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#84

1,2,4-Trimethylbenzene

Concen: 5.181 ug/l

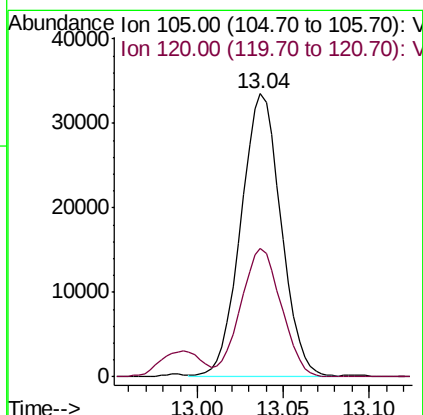
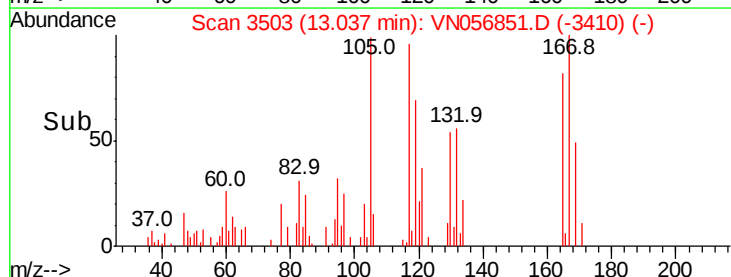
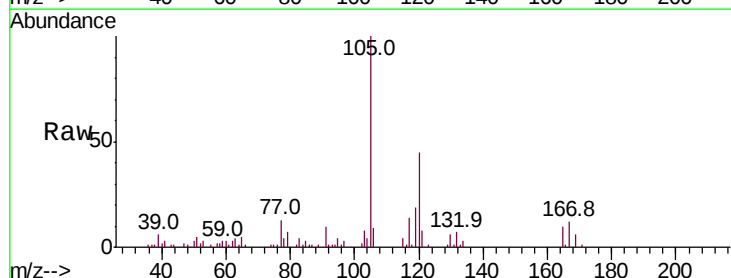
RT: 13.04 min Scan# 3503

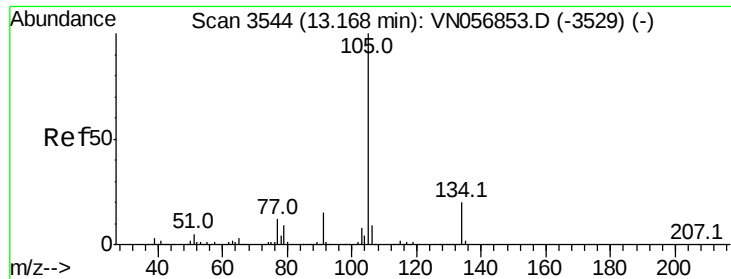
Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.2	69.5





#85

sec-Butylbenzene

Concen: 5.509 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 66097

Ion Ratio Lower Upper

105 100

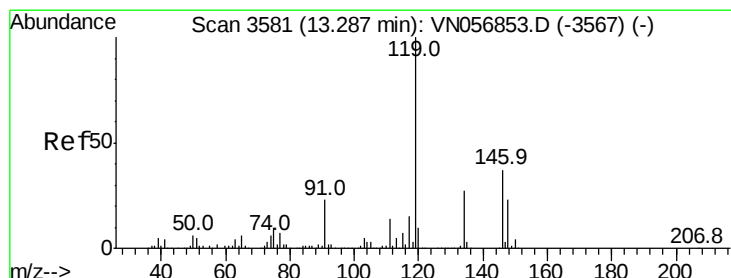
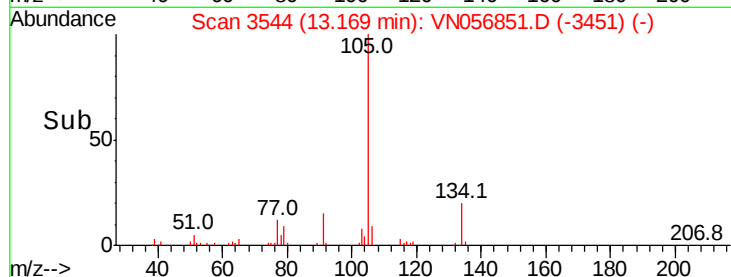
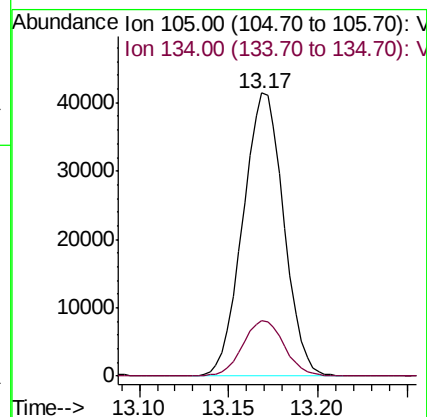
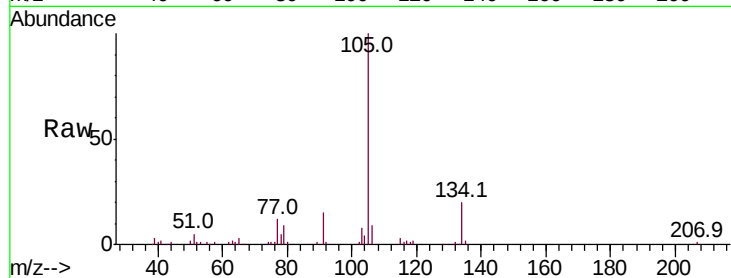
134 19.8 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 5.391 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

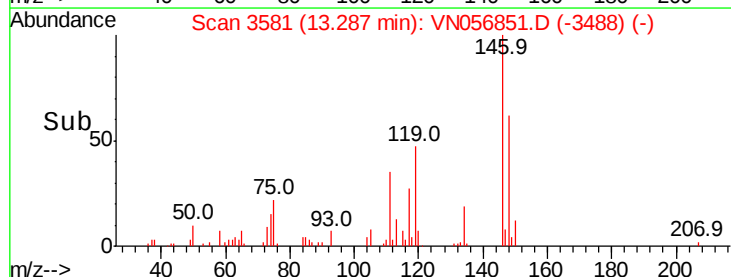
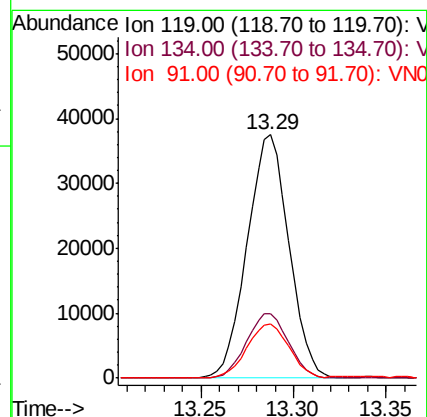
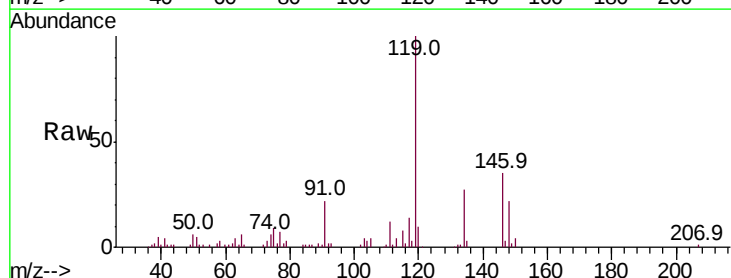
Tgt Ion:119 Resp: 58475

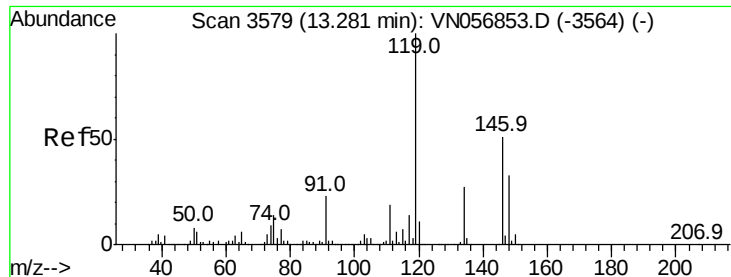
Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

91 22.5 11.3 33.8





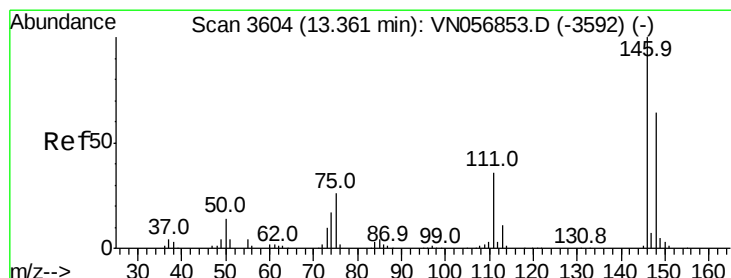
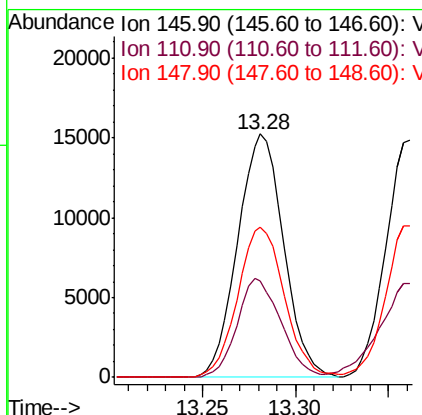
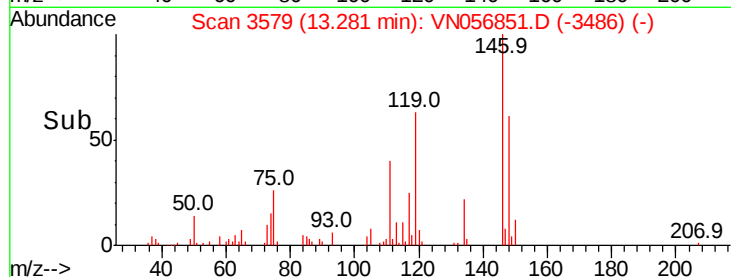
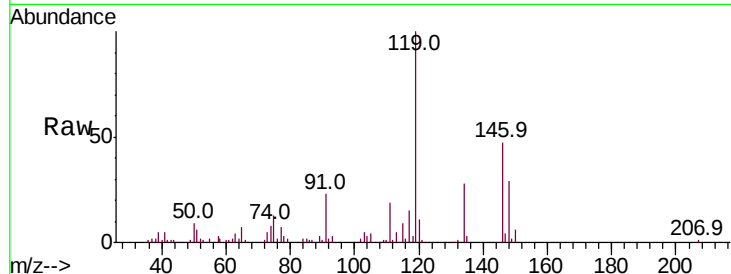
#87
 1,3-Dichlorobenzene
 Concen: 4.835 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.9	56.5
148	62.6	32.1	96.3

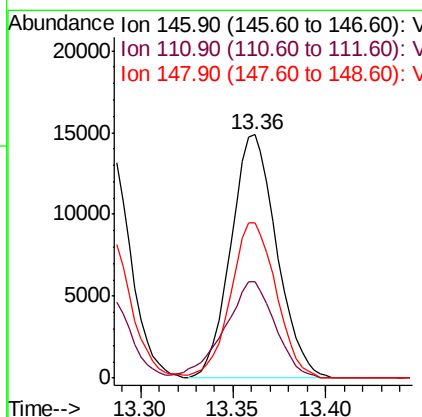
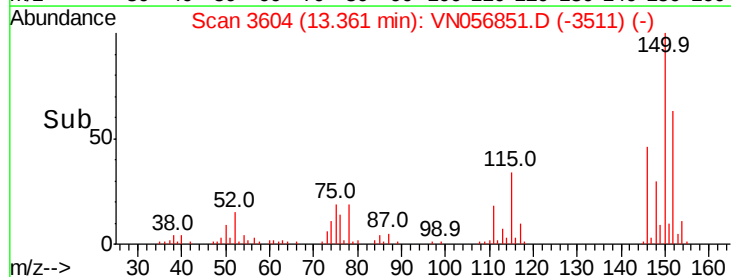
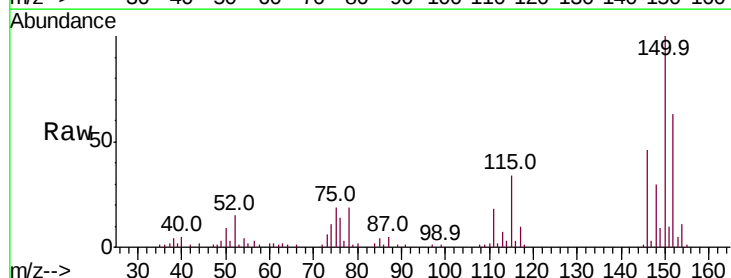
Manual Integrations
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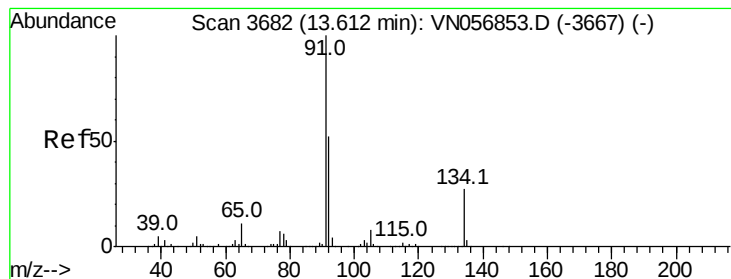
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#88
 1,4-Dichlorobenzene
 Concen: 4.830 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	18.3	54.9
148	63.7	32.1	96.3





#89

n-Butylbenzene

Concen: 4.708 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

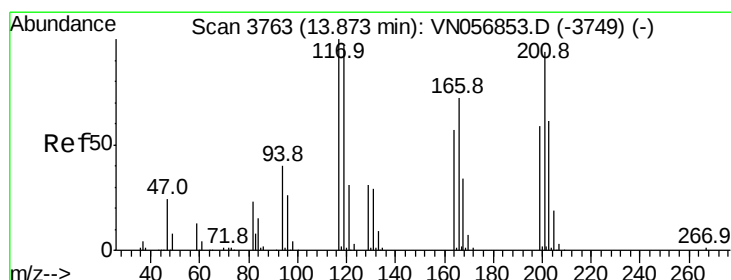
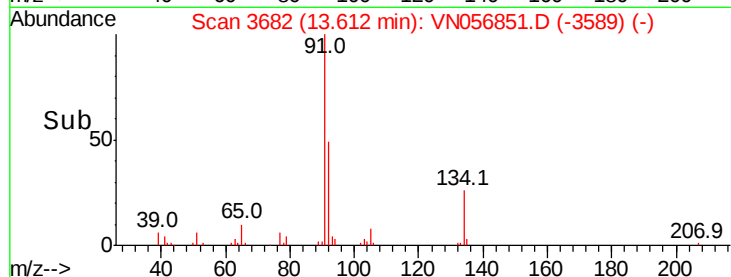
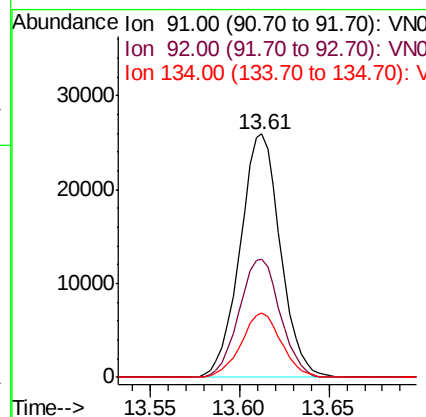
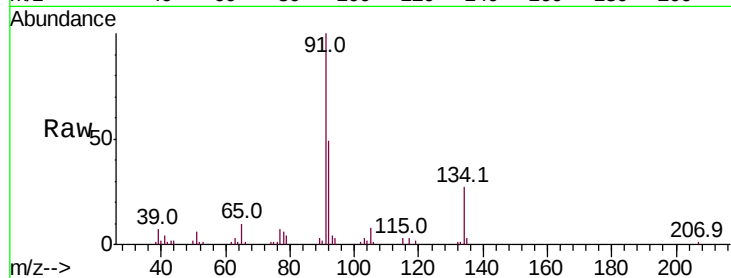
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	40892
Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.0	78.0
134	26.3	13.3	39.9

Manual Integrations
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#90

Hexachloroethane

Concen: 5.724 ug/l

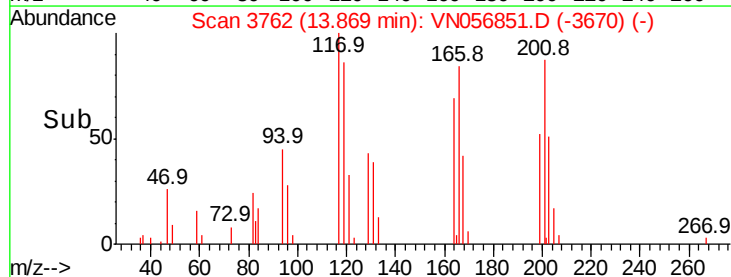
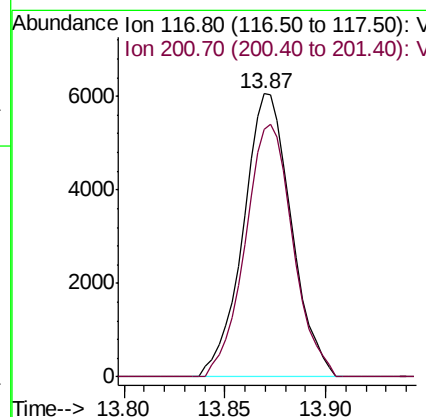
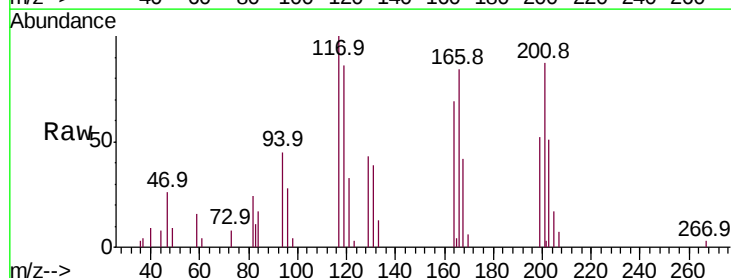
RT: 13.87 min Scan# 3762

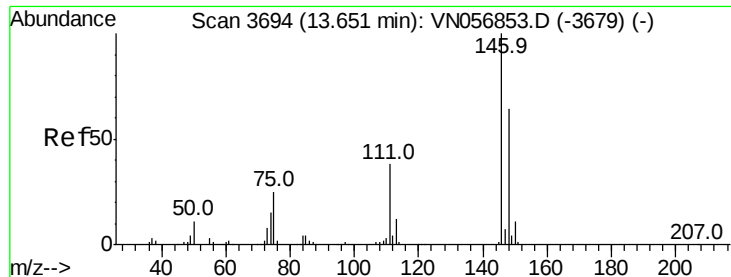
Delta R.T. -0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	117	Resp:	10121
Ion	Ratio	Lower	Upper
117	100		
201	88.3	47.1	141.3





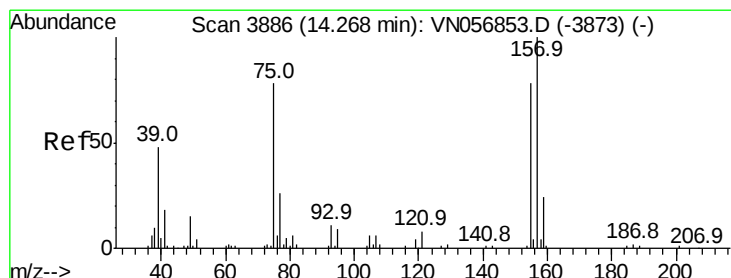
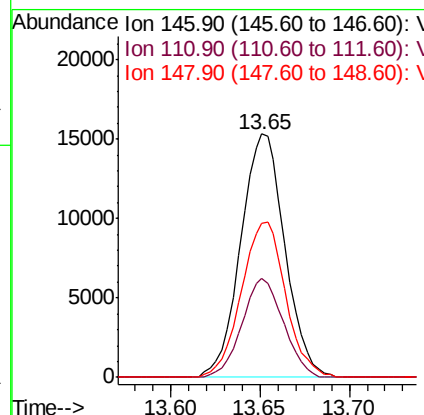
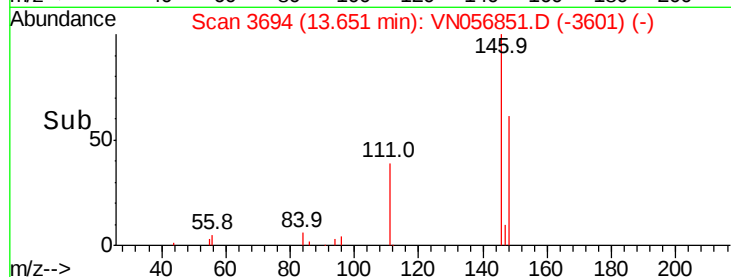
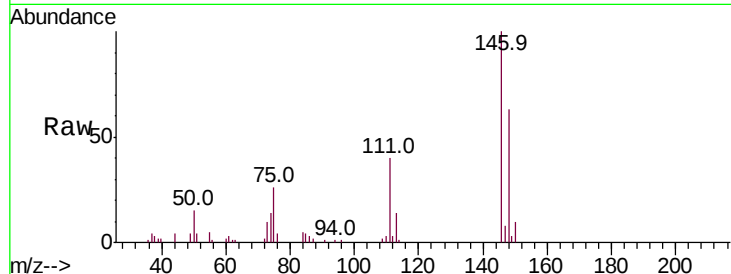
#91
 1,2-Dichlorobenzene
 Concen: 4.771 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.5
148	64.0	32.1	96.5

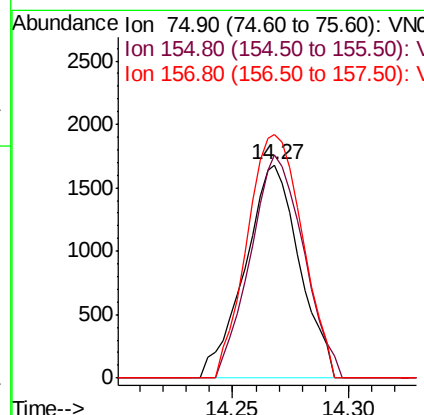
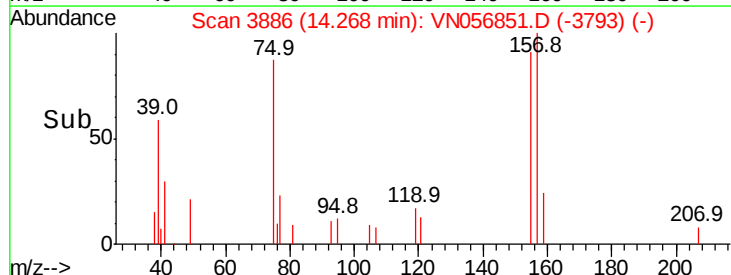
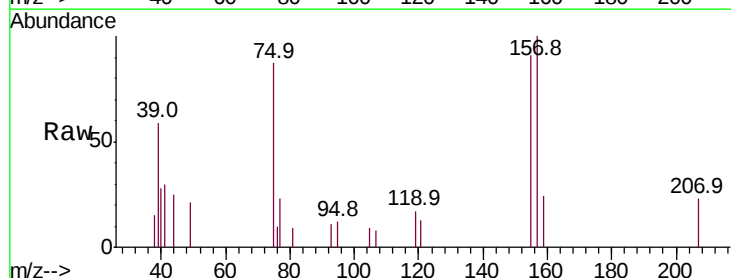
Manual Integrations
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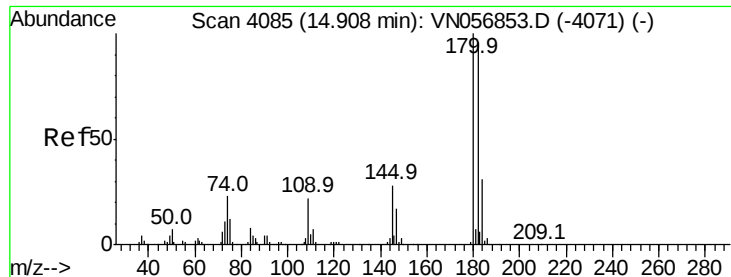
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.162 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.4	49.9	149.6
157	116.2	64.8	194.4





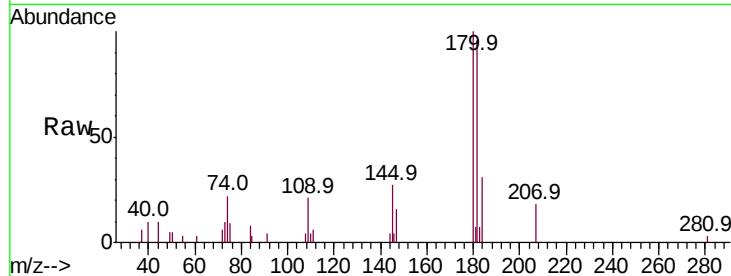
#93
 1,2,4-Trichlorobenzene
 Concen: 3.046 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	7593		
182	96.2		47.9	143.7
145	25.3		14.1	42.3

Manual Integrations
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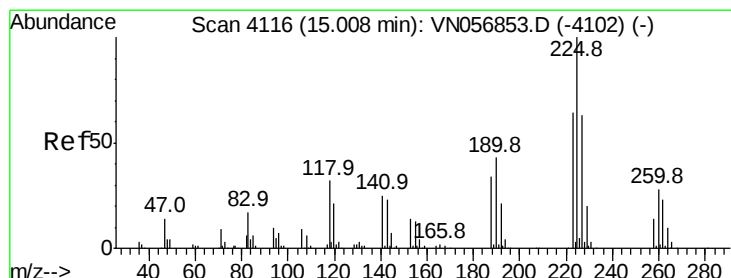
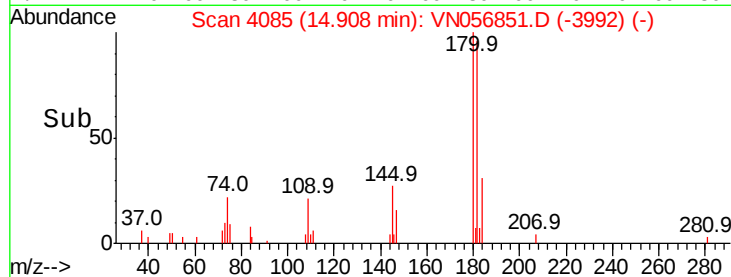
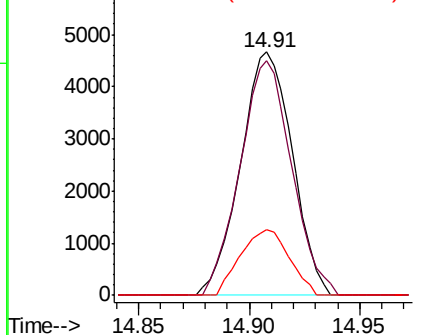


Abundance

Ion 179.80 (179.50 to 180.50): V

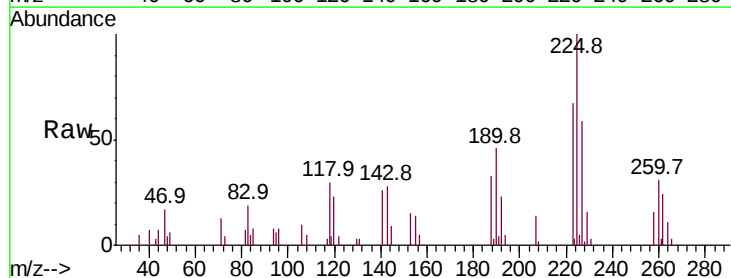
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.746 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056851.D
 Acq: 22 Jul 2019 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	11459		
223	64.5		31.9	95.5
227	62.2		31.7	95.1

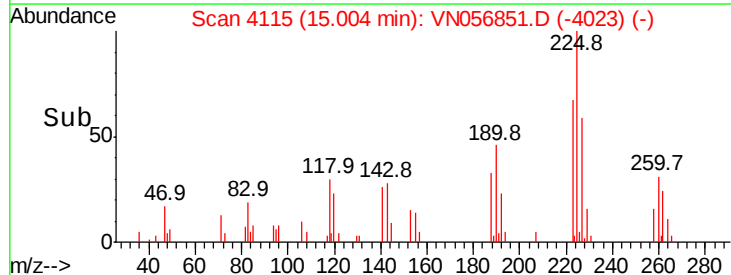
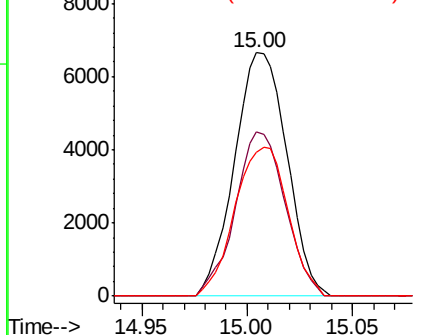


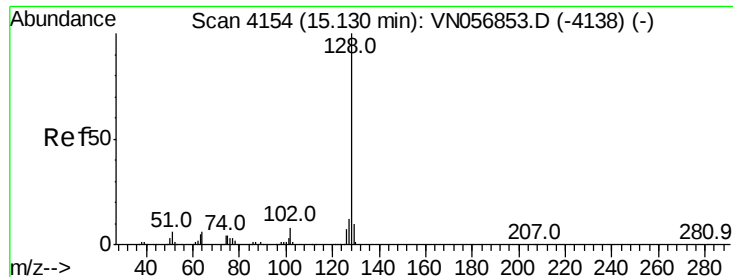
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.813 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Instrument :

MSVOA_N

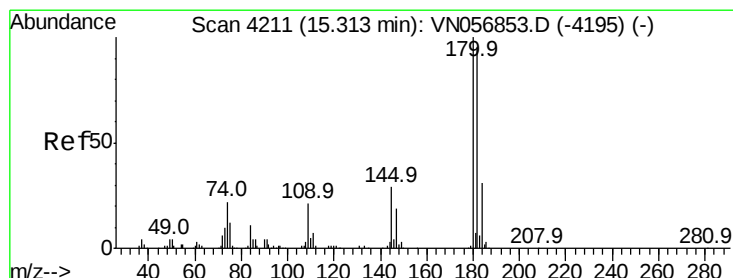
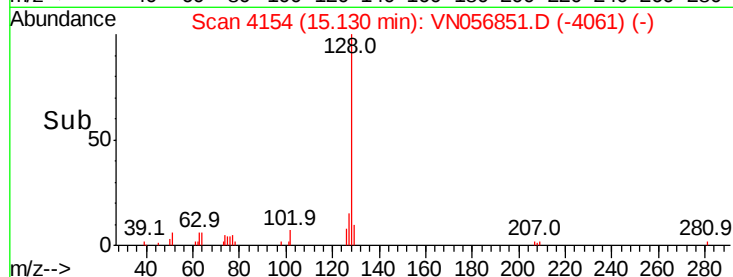
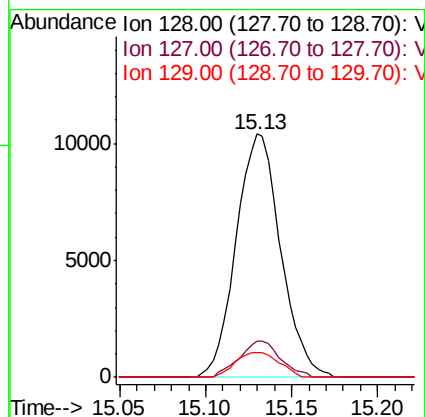
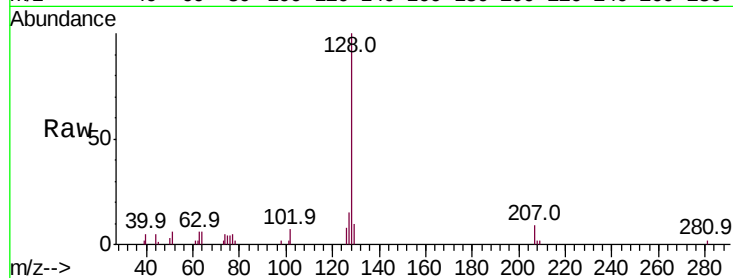
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	18738
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.2	15.2
129	10.1	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 3.735 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056851.D

Acq: 22 Jul 2019 12:21

Tgt Ion:	180	Resp:	9732
Ion Ratio	Lower	Upper	
180	100		
182	86.7	48.1	144.3
145	29.8	14.7	44.1

