

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055748.D
 Acq On : 23 May 2019 11:25
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:15 AM

Quant Time: May 24 06:11:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 05:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	341628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	513236	138.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.58%	
35) Dibromofluoromethane	7.59	113	462386	145.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.44%	
50) Toluene-d8	10.09	98	1776870	147.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.44%	
62) 4-Bromofluorobenzene	12.40	95	630081	151.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	315788	122.394	ug/l	99
3) Chloromethane	2.06	50	447316	128.545	ug/l	99
4) Vinyl Chloride	2.18	62	482701	128.596	ug/l	100
5) Bromomethane	2.52	94	251252m	104.546	ug/l	
6) Chloroethane	2.67	64	276728	131.261	ug/l	99
7) Trichlorofluoromethane	3.00	101	639545	132.908	ug/l	100
8) Diethyl Ether	3.40	74	281398	143.723	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	403193	137.115	ug/l	99
10) Methyl Iodide	3.94	142	640646	150.102	ug/l	100
11) Tert butyl alcohol	4.82	59	487101	698.362	ug/l	100
12) 1,1-Dichloroethene	3.72	96	417028	134.737	ug/l	99
13) Acrolein	3.60	56	347679	866.617	ug/l	98
14) Allyl chloride	4.31	41	724374	144.771	ug/l	99
15) Acrylonitrile	4.99	53	1140512	736.089	ug/l	100
16) Acetone	3.82	43	1050219	685.632	ug/l	99
17) Carbon Disulfide	4.03	76	1181263	137.386	ug/l	100
18) Methyl Acetate	4.32	43	465088	142.036	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1393316	136.420	ug/l	100
20) Methylene Chloride	4.54	84	472583	136.379	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	449899	136.635	ug/l	98
22) Diisopropyl ether	5.96	45	1425529	143.291	ug/l	96
23) Vinyl Acetate	5.90	43	6134370	726.875	ug/l	100
24) 1,1-Dichloroethane	5.84	63	804487	138.830	ug/l	100
25) 2-Butanone	6.84	43	1568126	734.614	ug/l	100
26) 2,2-Dichloropropane	6.82	77	664008	129.383	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	527009	136.977	ug/l	99
28) Bromochloromethane	7.19	49	382644	149.548	ug/l	99
29) Tetrahydrofuran	7.21	42	990142	701.587	ug/l	100
30) Chloroform	7.37	83	810980	135.870	ug/l	100
31) Cyclohexane	7.65	56	742221	134.258	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	720609	134.856	ug/l	99
36) 1,1-Dichloropropene	7.79	75	619527	139.584	ug/l	100
37) Ethyl Acetate	6.93	43	610465	151.784	ug/l	99
38) Carbon Tetrachloride	7.77	117	646655	136.084	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	786417	146.100	ug/l	99
40) Benzene	8.04	78	1892350	144.096	ug/l	100
41) Methacrylonitrile	7.17	41	304032	174.138	ug/l	97
42) 1,2-Dichloroethane	8.12	62	615359	144.971	ug/l	99
43) Isopropyl Acetate	8.17	43	1043417	148.914	ug/l #	92
44) Trichloroethene	8.83	130	538359	145.410	ug/l	100
45) 1,2-Dichloropropane	9.12	63	497974	144.095	ug/l	99
46) Dibromomethane	9.21	93	330024	145.683	ug/l	99
47) Bromodichloromethane	9.40	83	669434	141.581	ug/l	99
48) Methyl methacrylate	9.20	41	496374	158.115	ug/l	98
49) 1,4-Dioxane	9.20	88	199242	3202.487	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	3034908	733.004	ug/l	100
52) Toluene	10.16	92	1220204	147.774	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	763186	150.255	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	822963	147.836	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	486169	143.176	ug/l	99
56) Ethyl methacrylate	10.43	69	777990	146.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	794774	148.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1617789	734.646	ug/l	100
59) 2-Hexanone	10.75	43	2167764	744.996	ug/l	100
60) Dibromochloromethane	10.90	129	588536	152.901	ug/l	99
61) 1,2-Dibromoethane	11.00	107	517048	152.057	ug/l	98
64) Tetrachloroethene	10.63	164	529293	145.872	ug/l	99
65) Chlorobenzene	11.43	112	1320037	143.205	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	518765	140.055	ug/l	100
67) Ethyl Benzene	11.51	91	2347836	142.626	ug/l	100
68) m/p-Xylenes	11.62	106	1804847	290.292	ug/l	99
69) o-Xylene	11.95	106	876872	143.752	ug/l	99
70) Styrene	11.96	104	1508266	149.115	ug/l	100
71) Bromoform	12.13	173	468171	148.776	ug/l #	99
73) Isopropylbenzene	12.25	105	2285039	125.577	ug/l	100
74) N-amyl acetate	12.07	43	867895	138.565	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	663610	118.444	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	545236m	118.798	ug/l	
77) Bromobenzene	12.53	156	624378	135.612	ug/l	99
78) n-propylbenzene	12.59	91	2546019	129.096	ug/l	100
79) 2-Chlorotoluene	12.67	91	1498493	124.728	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1916821	125.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	232694	133.251	ug/l	99
82) 4-Chlorotoluene	12.77	91	1531263	131.693	ug/l	99
83) tert-Butylbenzene	12.99	119	1644907	122.667	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1919365	127.522	ug/l	100
85) sec-Butylbenzene	13.17	105	2161716	126.957	ug/l	100
86) p-Isopropyltoluene	13.29	119	2028334	129.602	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1057254	139.766	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1039842	144.525	ug/l	99
89) n-Butylbenzene	13.61	91	1690749	139.062	ug/l	100
90) Hexachloroethane	13.87	117	379615	127.068	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1029286	136.528	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137096	137.532	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	699365	184.922	ug/l	99
94) Hexachlorobutadiene	15.01	225	386618	144.126	ug/l	99
95) Naphthalene	15.13	128	1825471	178.396	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	692165	173.506	ug/l	100

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

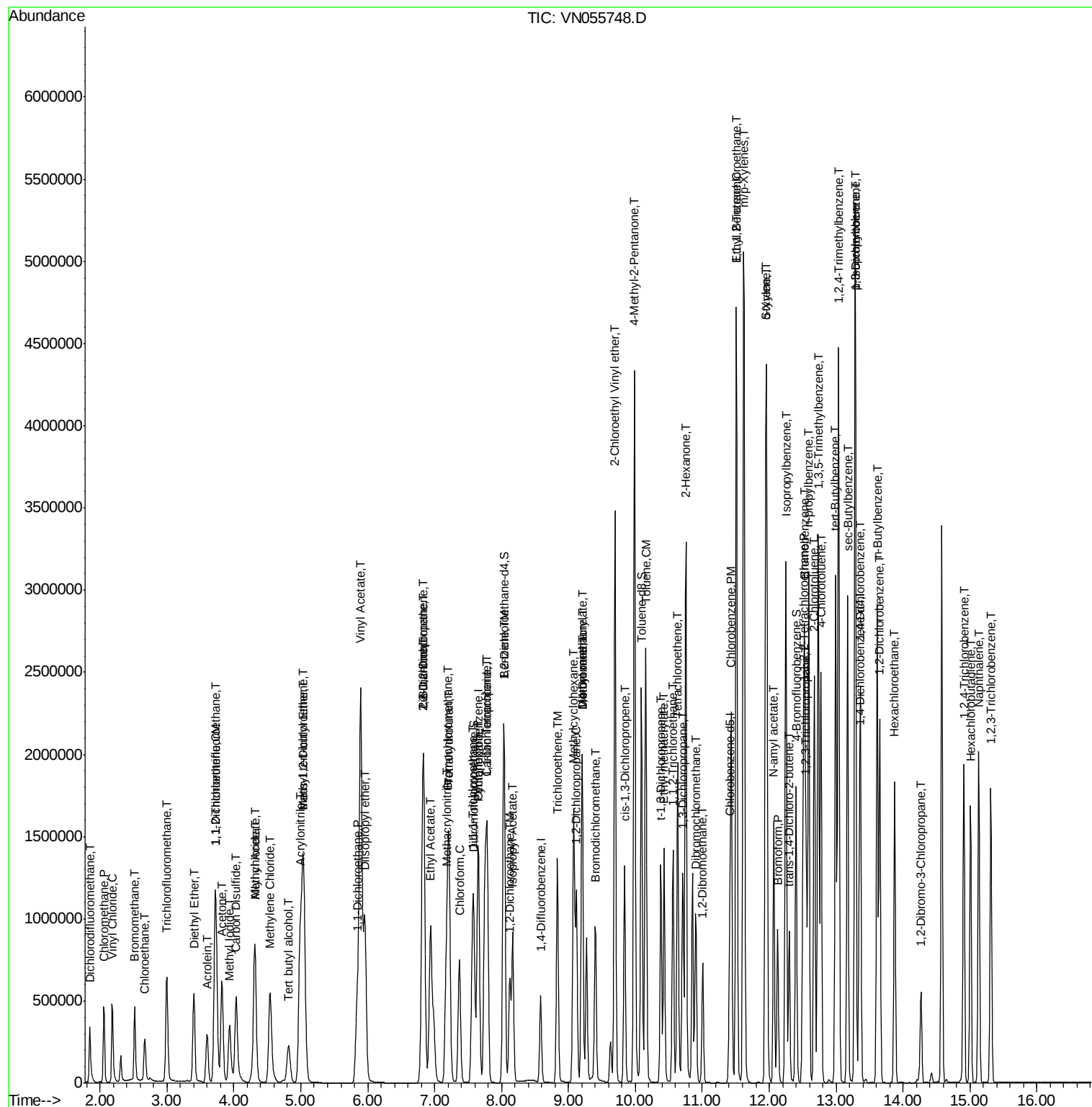
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Data File : VN055748.D
Acq On : 23 May 2019 11:25
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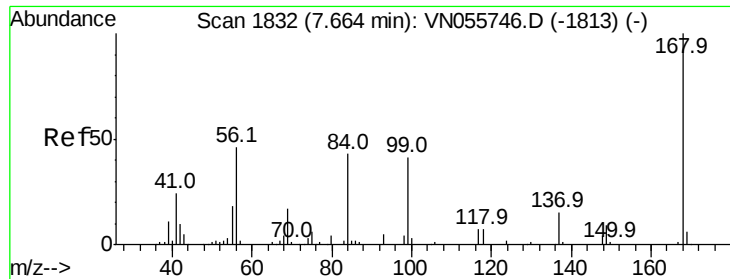
Instrument :
MSVOA_N
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 341628

Ion Ratio Lower Upper

168 100

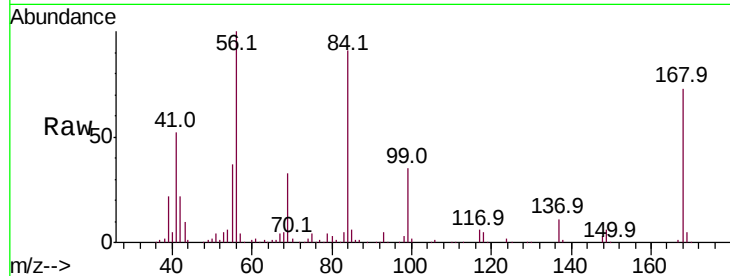
99 47.7 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

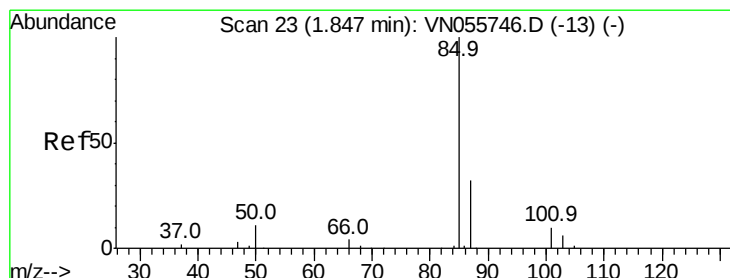
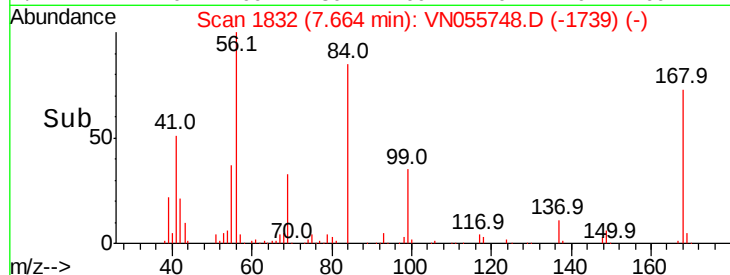
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50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 122.394 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055748.D

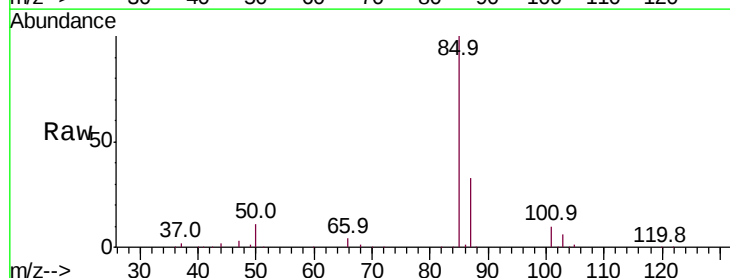
Acq: 23 May 2019 11:25

Tgt Ion: 85 Resp: 315788

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

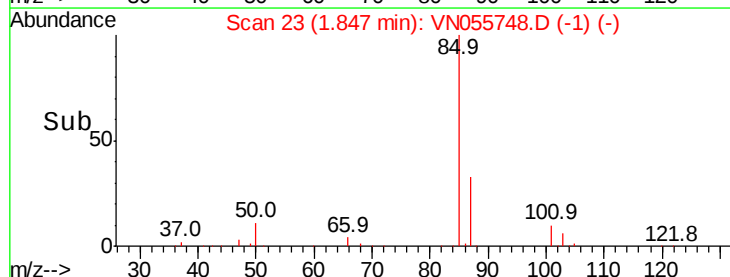
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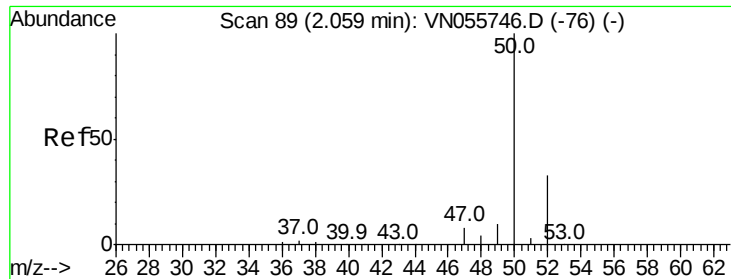
50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 128.545 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 447316

Ion Ratio Lower Upper

50 100

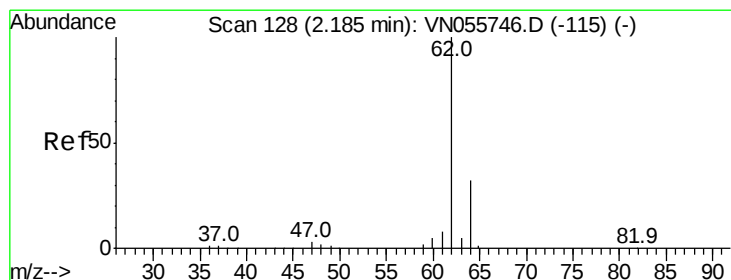
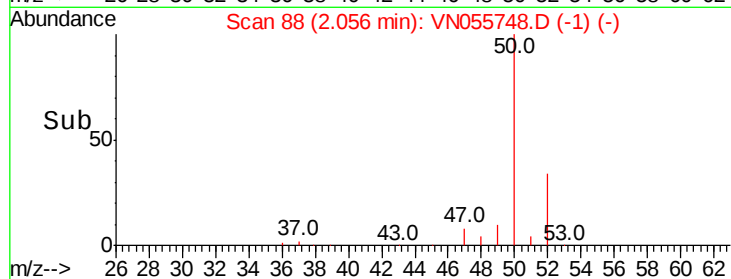
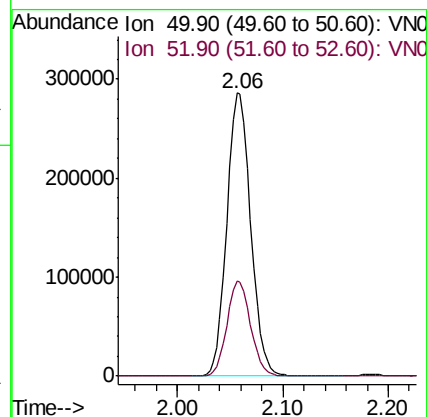
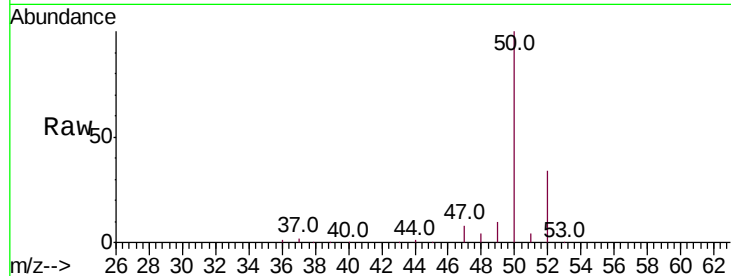
52 33.7 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 128.596 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055748.D

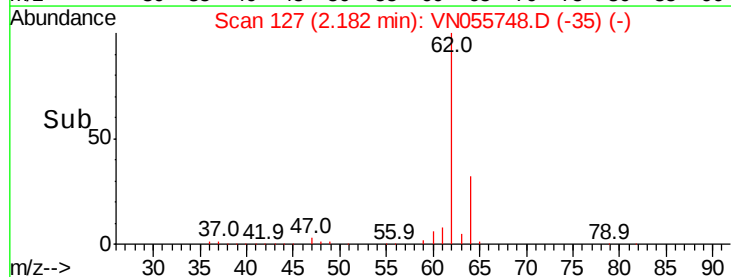
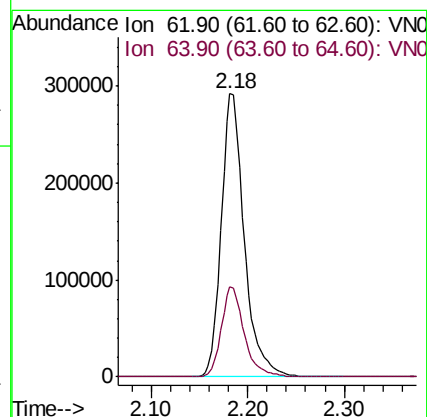
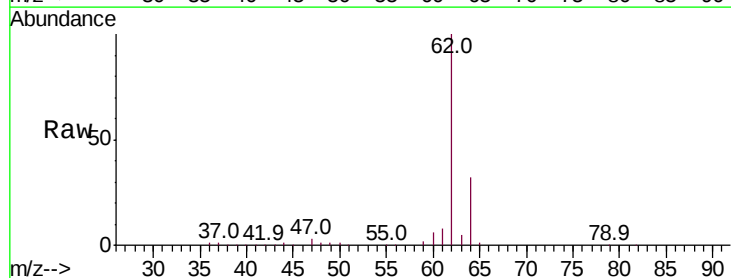
Acq: 23 May 2019 11:25

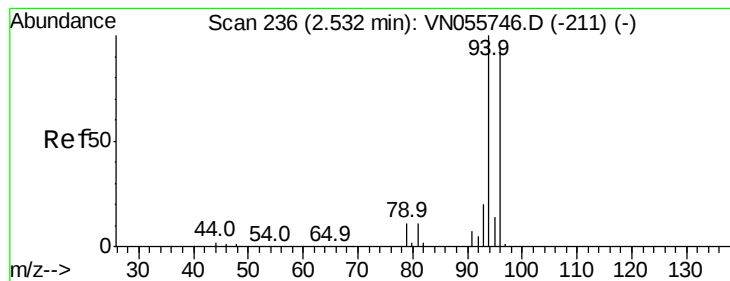
Tgt Ion: 62 Resp: 482701

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 104.546 ug/l m

RT: 2.52 min Scan# 231

Delta R.T. -0.02 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 251252

Ion Ratio Lower Upper

94 100

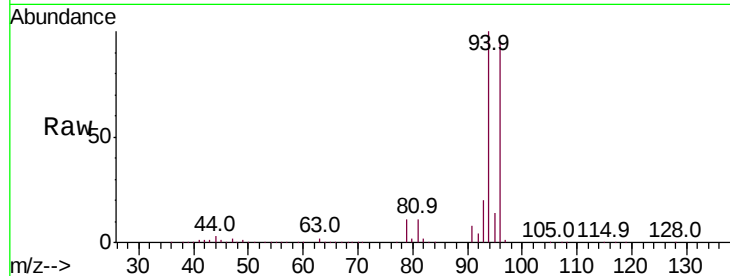
96 95.1 75.5 113.3

Manual Integrations

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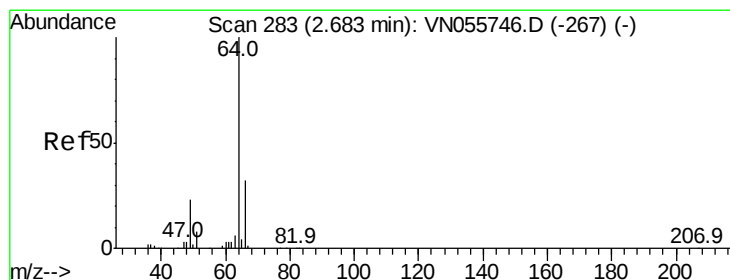
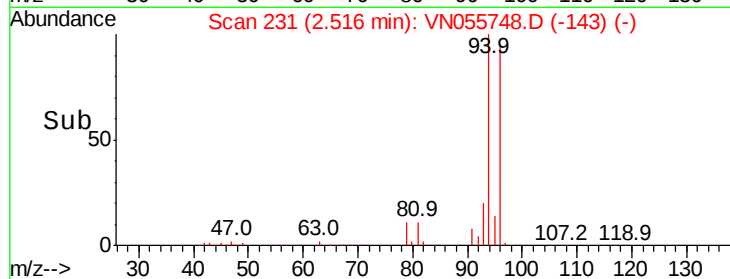
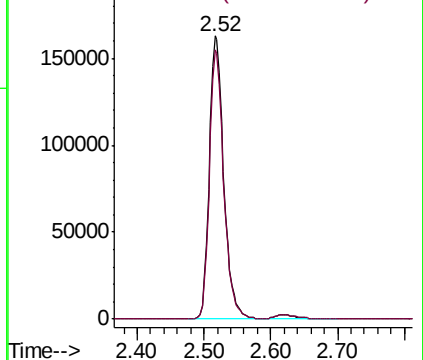
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 131.261 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN055748.D

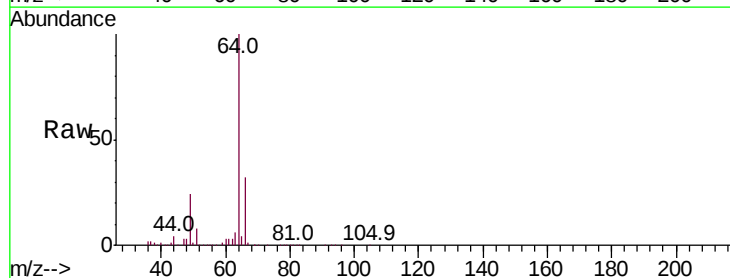
Acq: 23 May 2019 11:25

Tgt Ion: 64 Resp: 276728

Ion Ratio Lower Upper

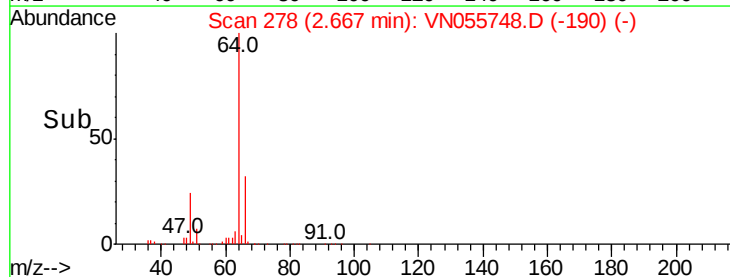
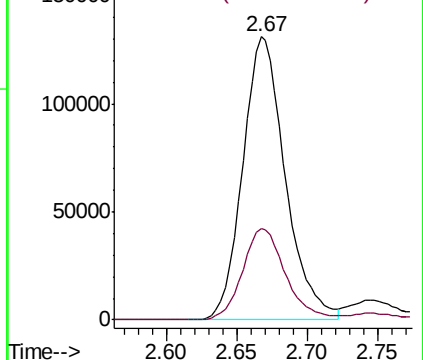
64 100

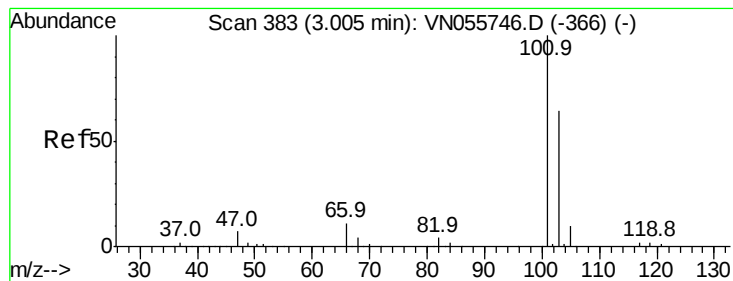
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

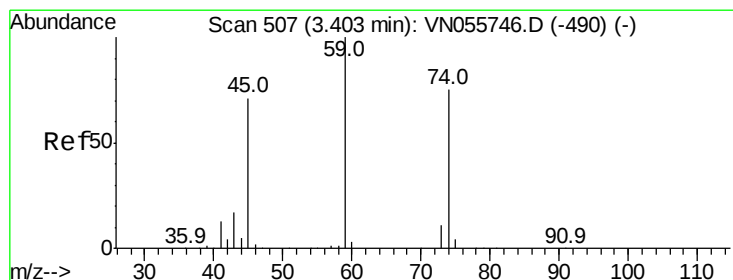
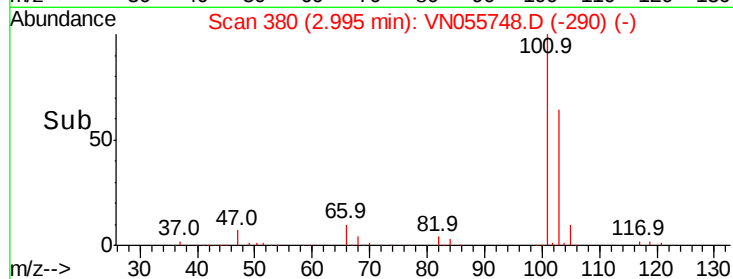
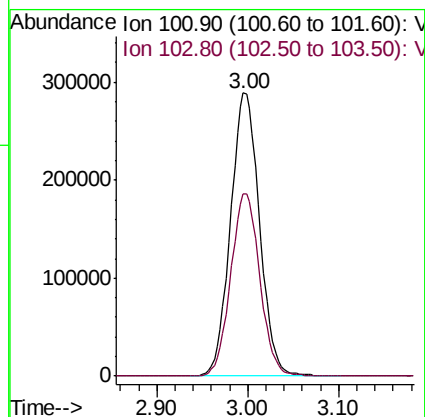
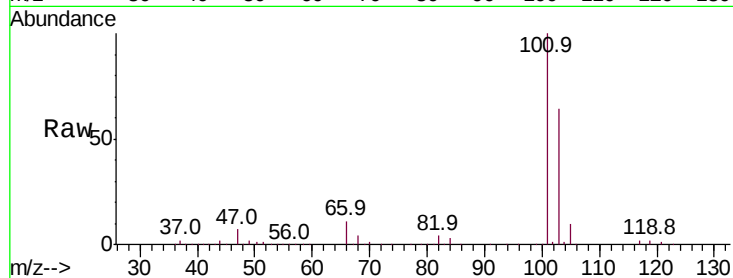
Trichlorofluoromethane
Concen: 132.908 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.01 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 639545
Ion Ratio Lower Upper
101 100
103 64.2 51.2 76.8

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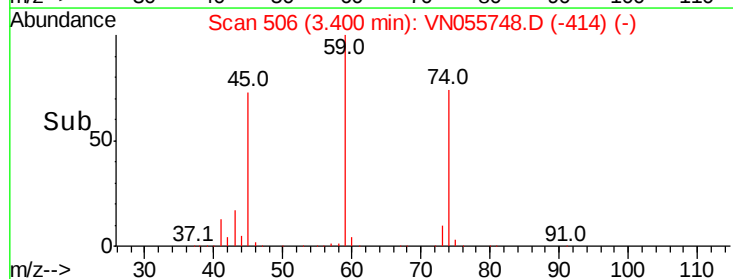
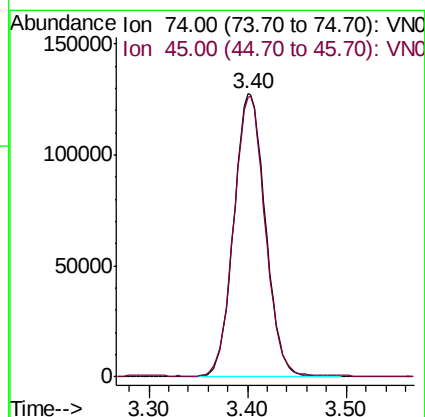
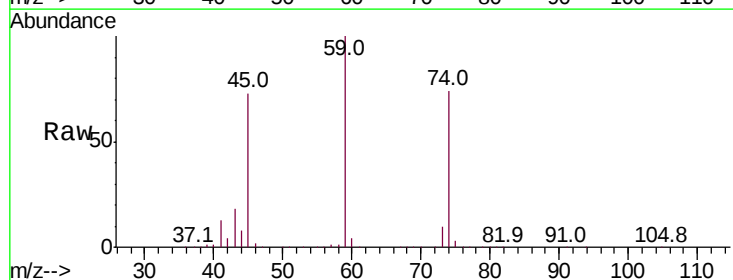
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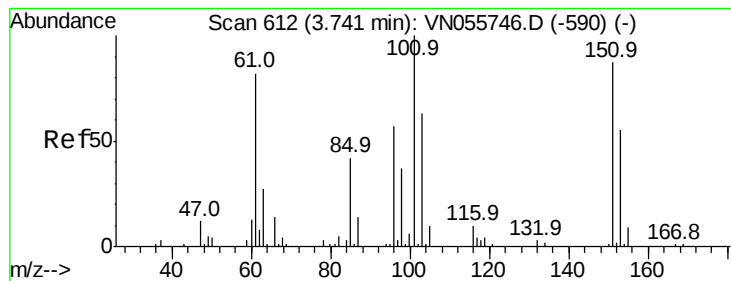


#8

Diethyl Ether
Concen: 143.723 ug/l
RT: 3.40 min Scan# 506
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 74 Resp: 281398
Ion Ratio Lower Upper
74 100
45 97.9 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 137.115 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

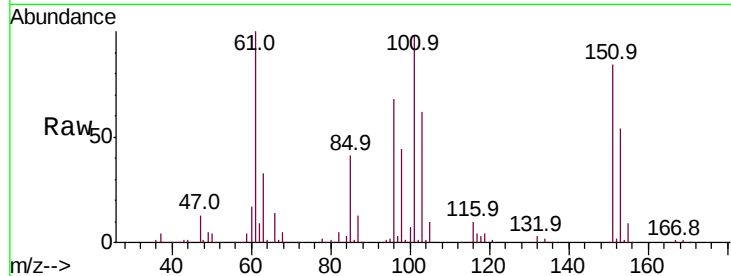
ClientSampleId :

VSTDIC150

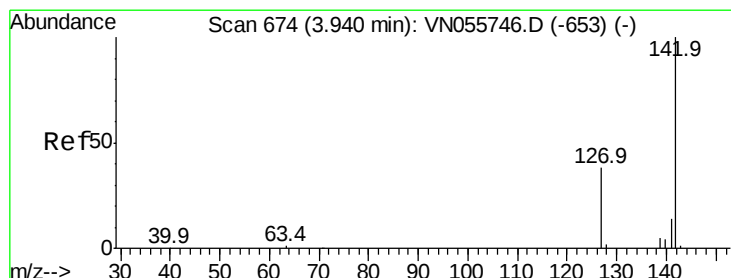
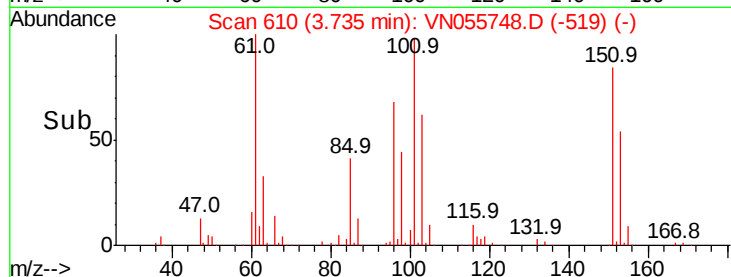
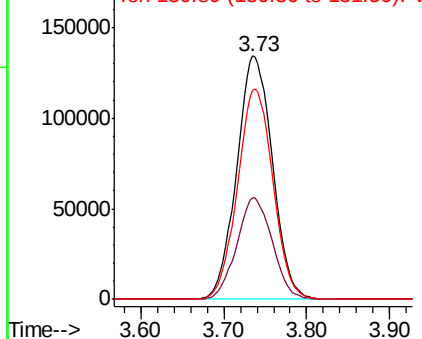
Tot Ion:	101	Resp:	403193
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.2
151	85.8	69.4	104.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 150.102 ug/l

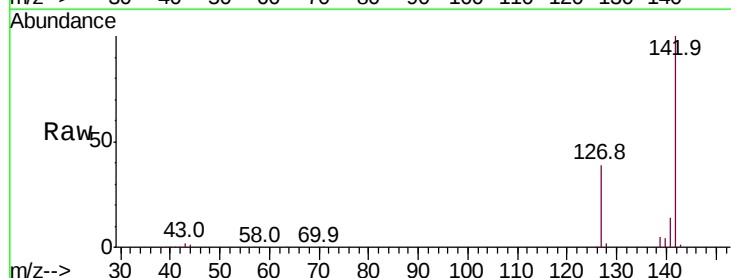
RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

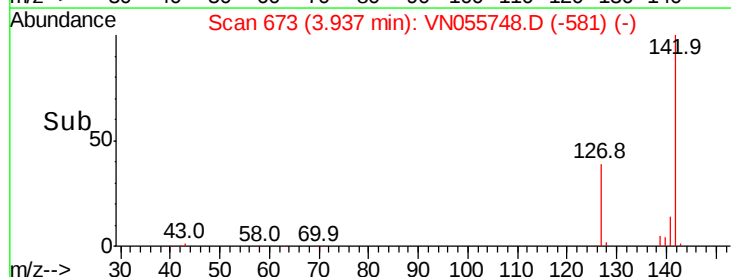
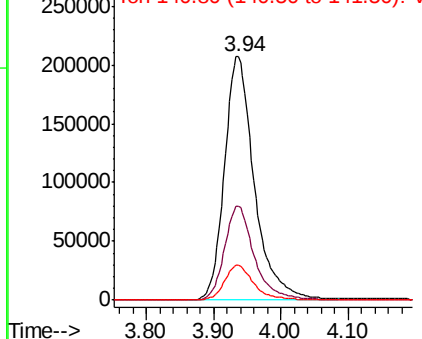
Lab File: VN055748.D

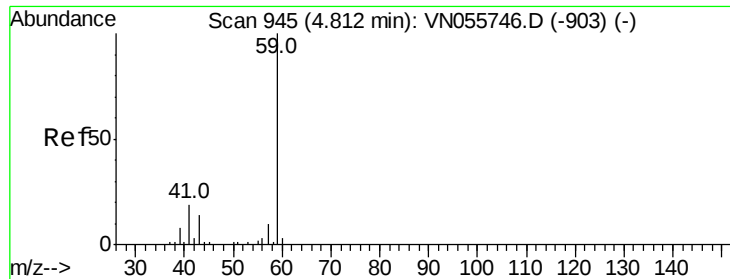
Acq: 23 May 2019 11:25

Tgt Ion:	142	Resp:	640646
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.0	46.4
141	14.1	11.4	17.0



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





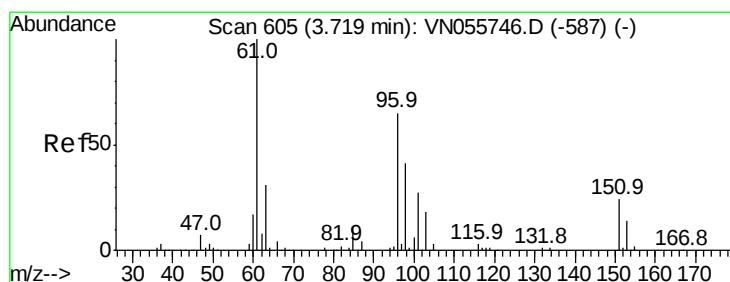
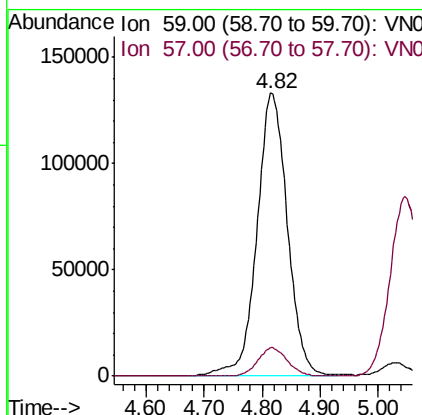
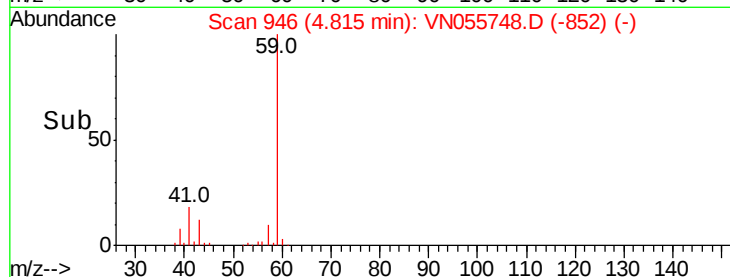
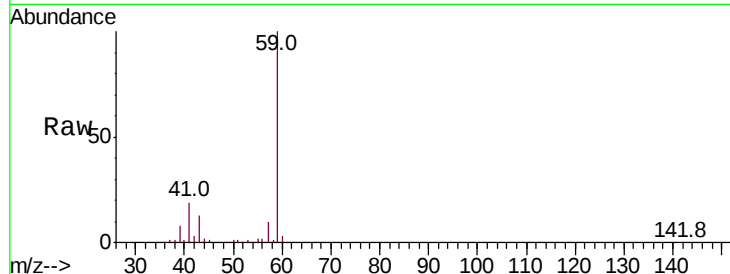
#11
Tert butyl alcohol
Concen: 698.362 ug/l
RT: 4.82 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.6

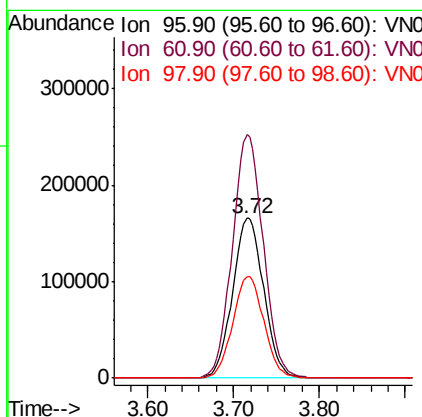
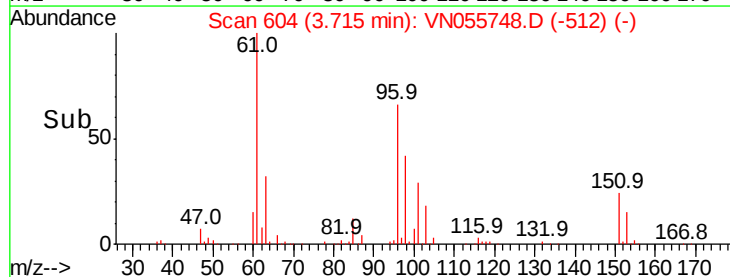
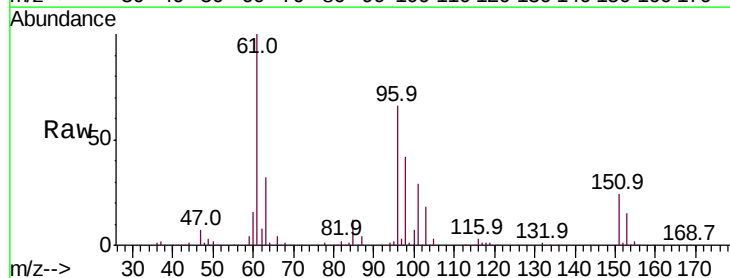
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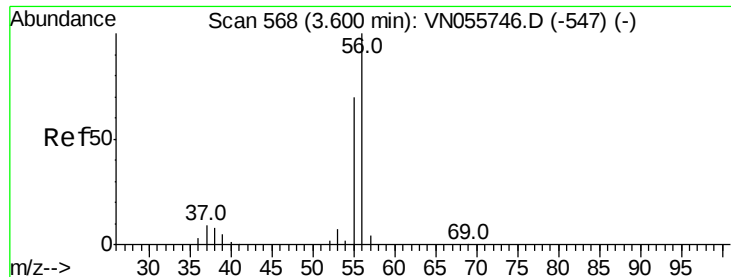
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#12
1,1-Dichloroethene
Concen: 134.737 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	123.2	184.8
98	63.4	50.4	75.6





#13

Acrolein

Concen: 866.617 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 347679

Ion Ratio Lower Upper

56 100

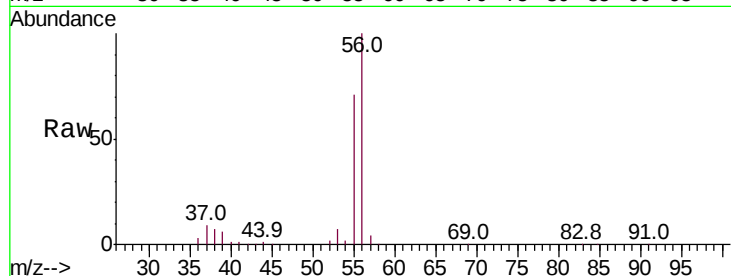
55 70.6 55.4 83.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

150000

100000

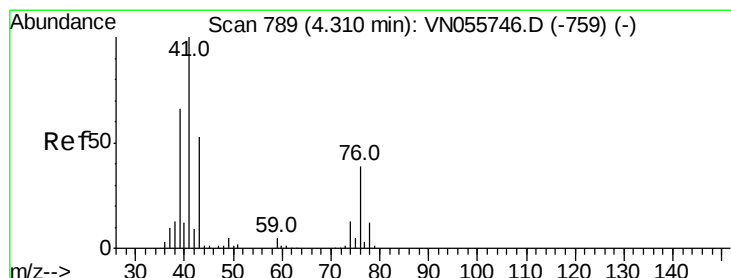
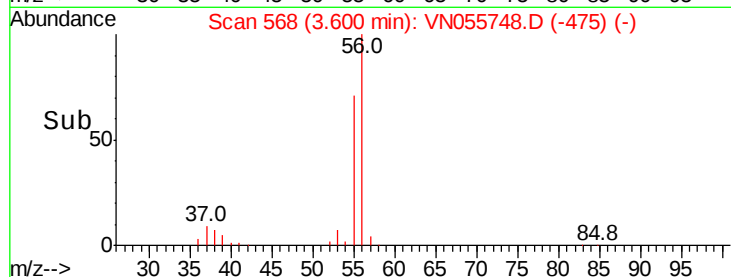
50000

0

3.60

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 144.771 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

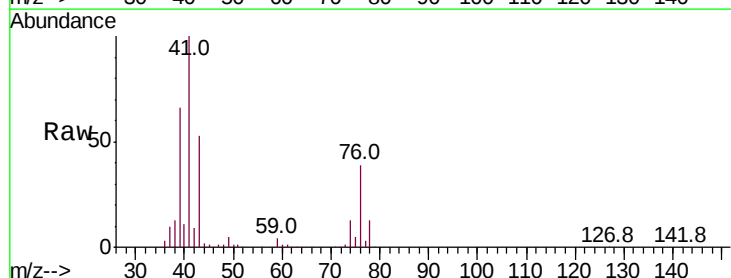
Tgt Ion: 41 Resp: 724374

Ion Ratio Lower Upper

41 100

39 61.6 50.0 75.0

76 34.7 28.2 42.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

500000

400000

300000

200000

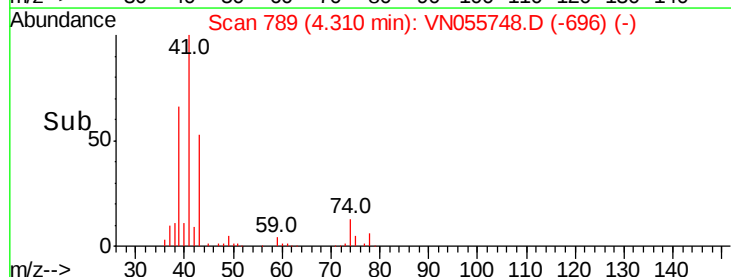
100000

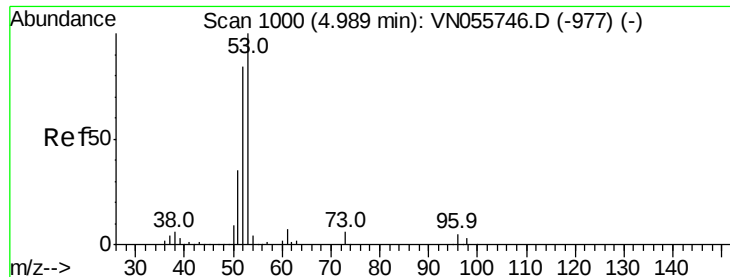
0

4.31

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 736.089 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1140512

Ion Ratio Lower Upper

53 100

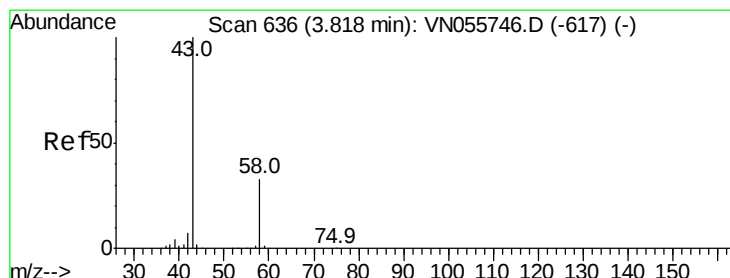
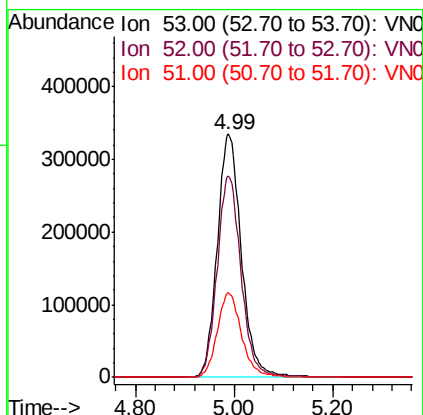
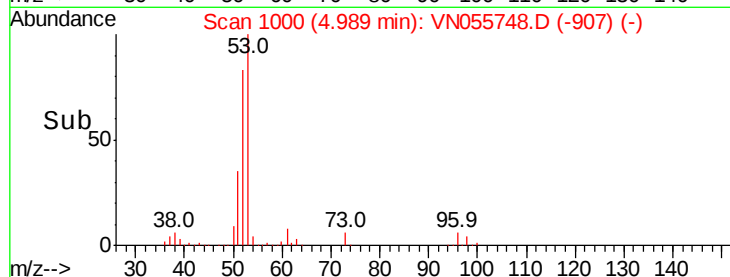
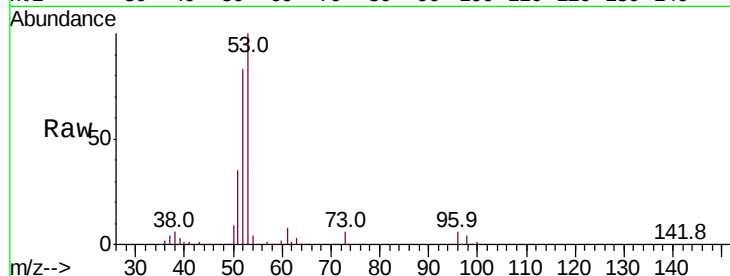
52 82.1 65.8 98.8

51 35.2 28.2 42.4

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#16

Acetone

Concen: 685.632 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055748.D

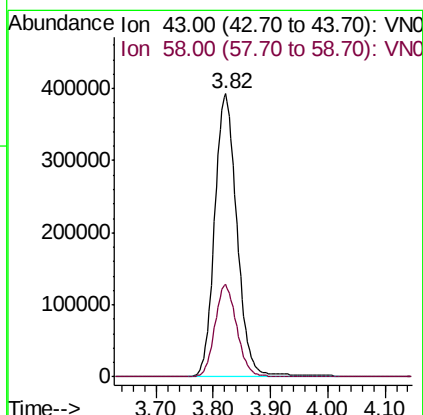
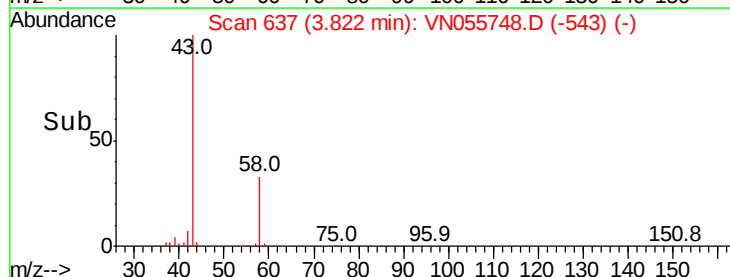
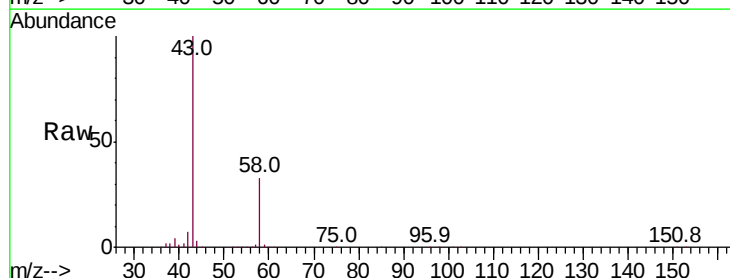
Acq: 23 May 2019 11:25

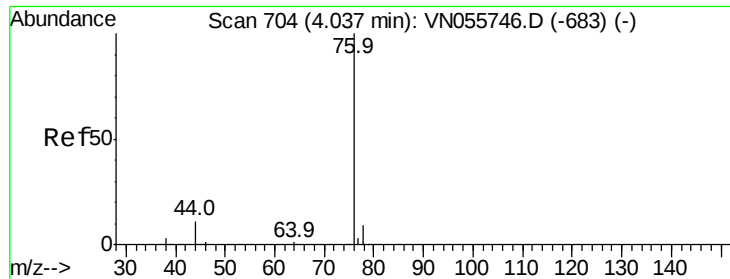
Tgt Ion: 43 Resp: 1050219

Ion Ratio Lower Upper

43 100

58 32.7 26.6 39.8





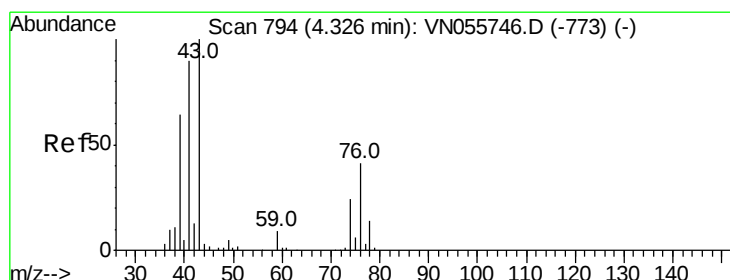
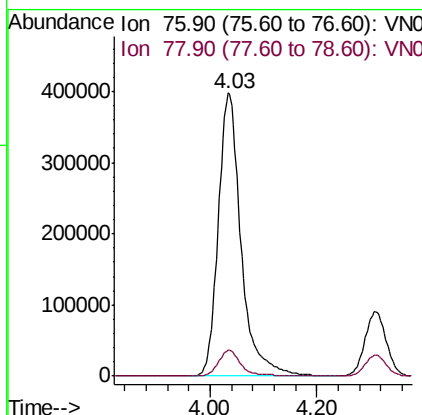
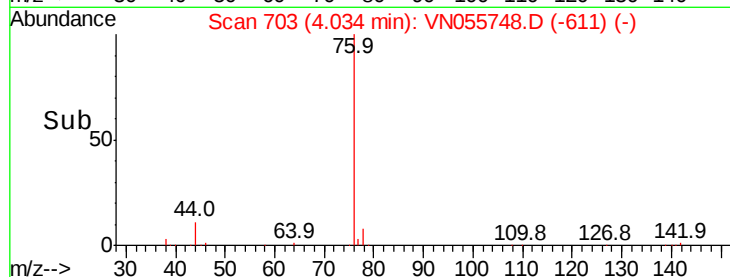
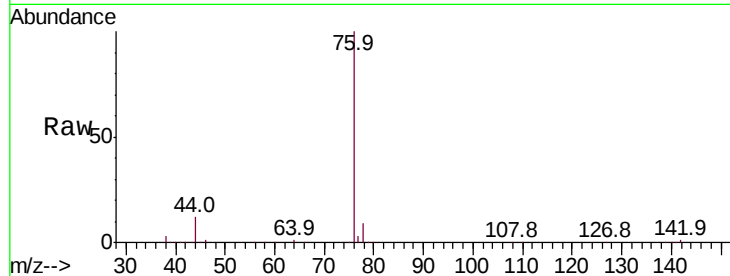
#17
Carbon Disulfide
Concen: 137.386 ug/l
RT: 4.03 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1181263
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

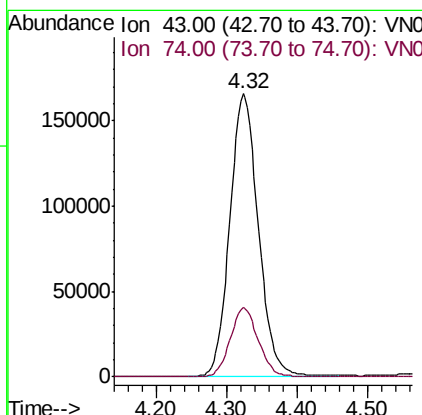
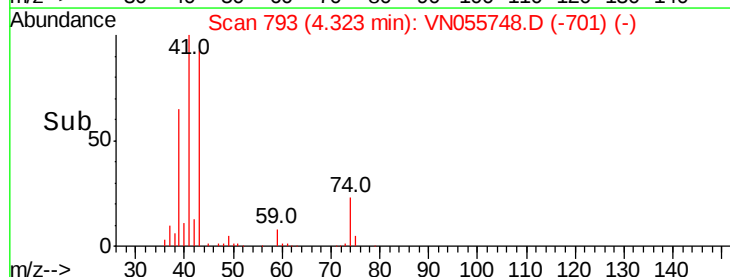
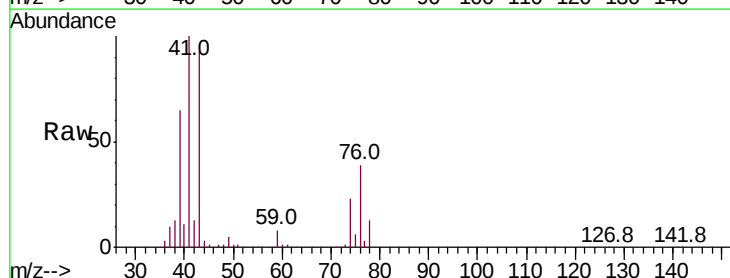
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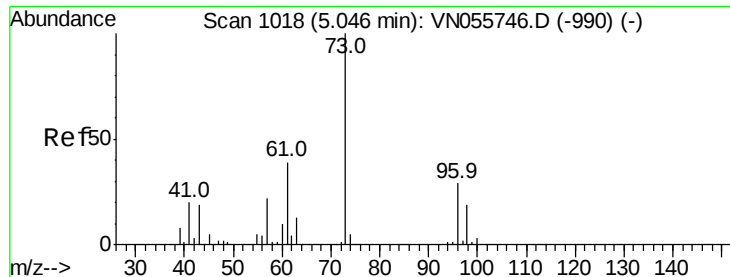
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#18
Methyl Acetate
Concen: 142.036 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 43 Resp: 465088
Ion Ratio Lower Upper
43 100
74 24.3 19.3 28.9





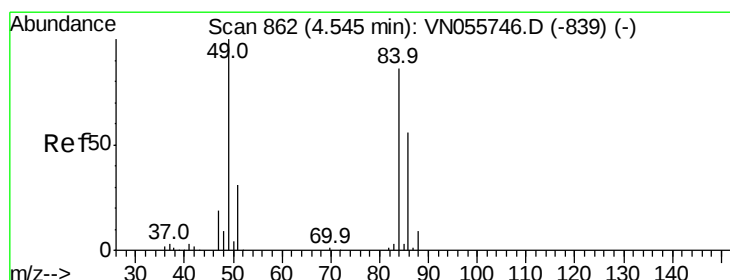
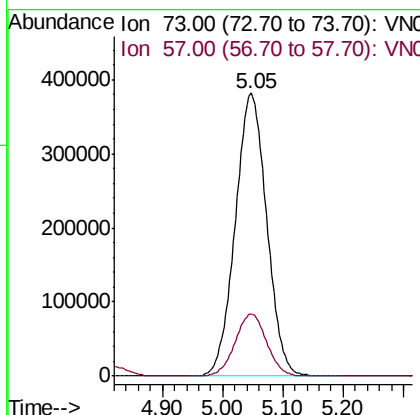
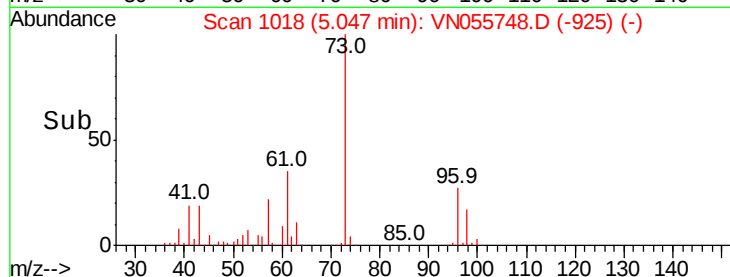
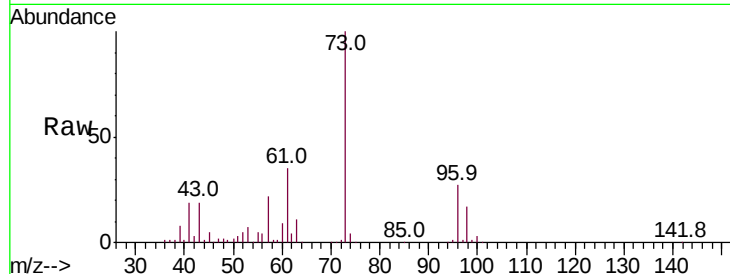
#19
Methyl tert-butyl Ether
Concen: 136.420 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1393316
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8

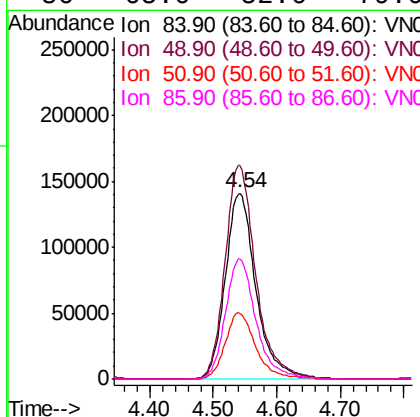
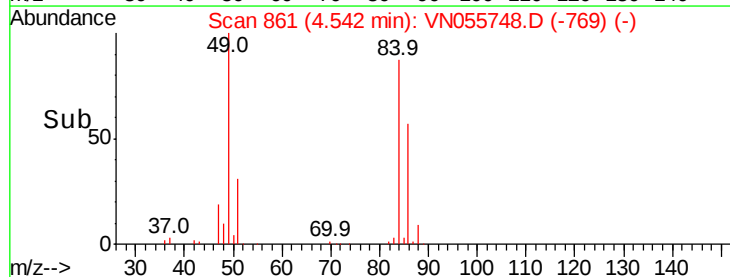
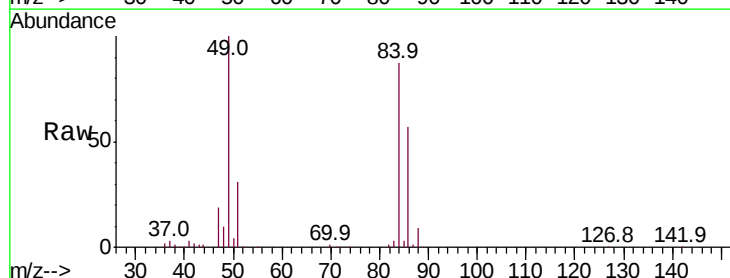
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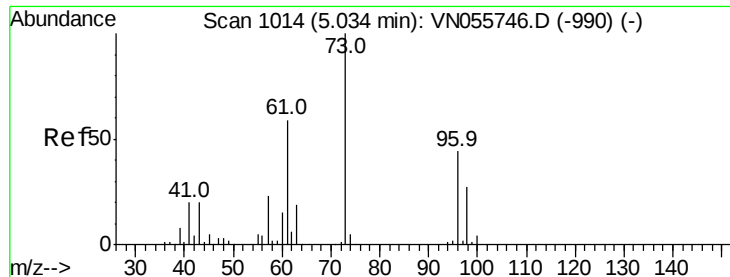
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#20
Methylene Chloride
Concen: 136.379 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 84 Resp: 472583
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 35.5 28.6 43.0
86 65.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 136.635 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 449899

Ion Ratio Lower Upper

96 100

61 131.9 107.8 161.8

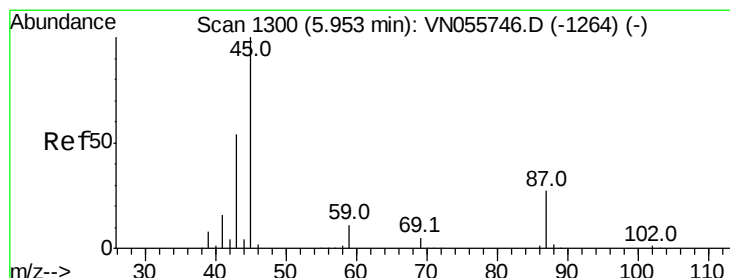
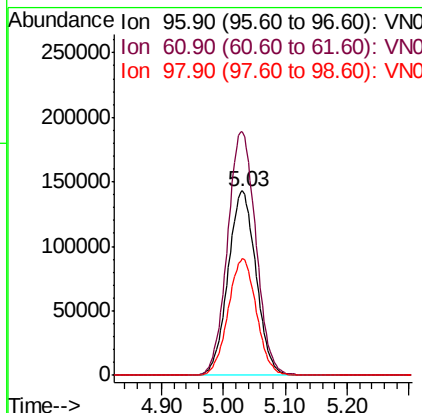
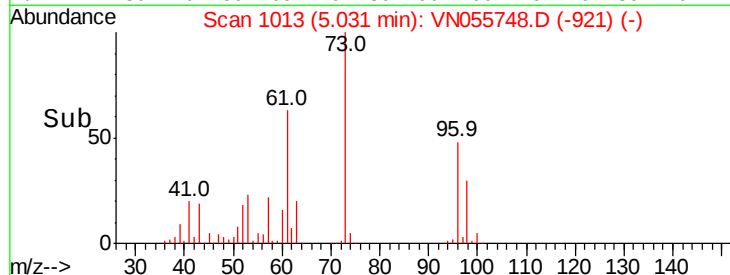
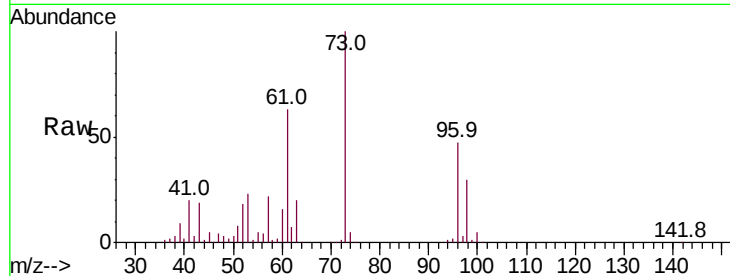
98 63.2 49.8 74.8

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#22

Diisopropyl ether

Concen: 143.291 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion: 45 Resp: 1425529

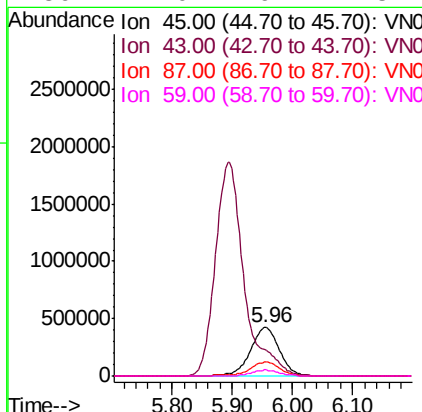
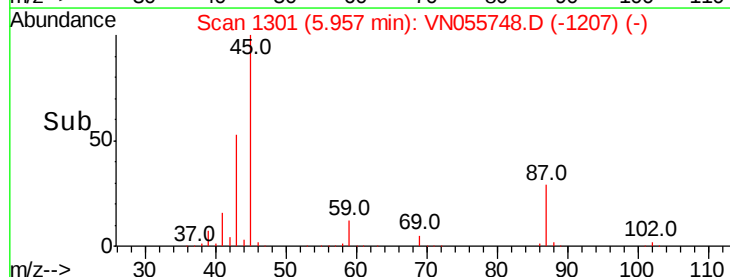
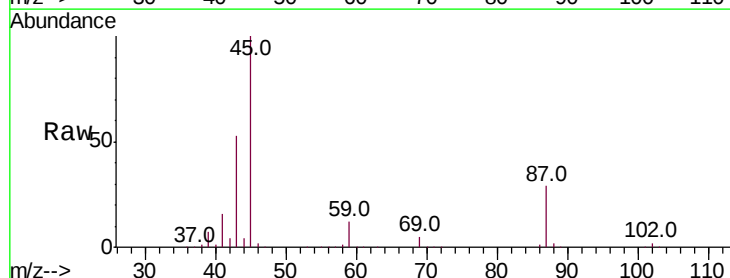
Ion Ratio Lower Upper

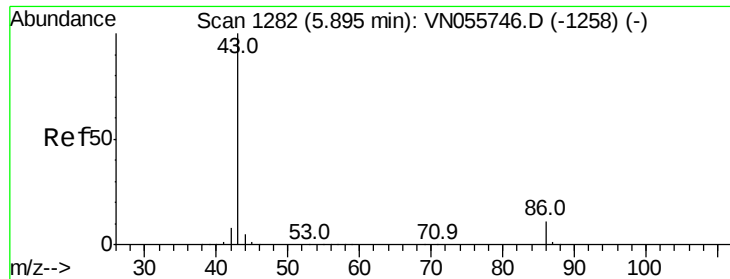
45 100

43 52.2 45.0 67.6

87 28.8 22.2 33.4

59 12.0 9.1 13.7





#23

Vinyl Acetate

Concen: 726.875 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6134370

Ion Ratio Lower Upper

43 100

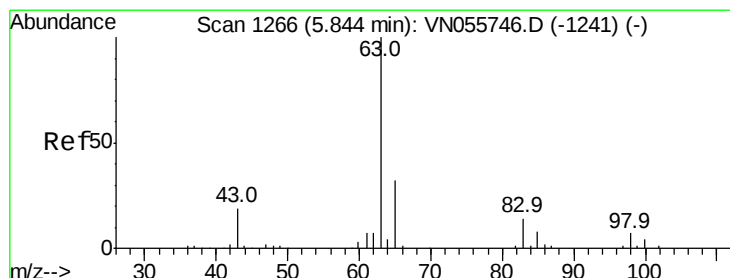
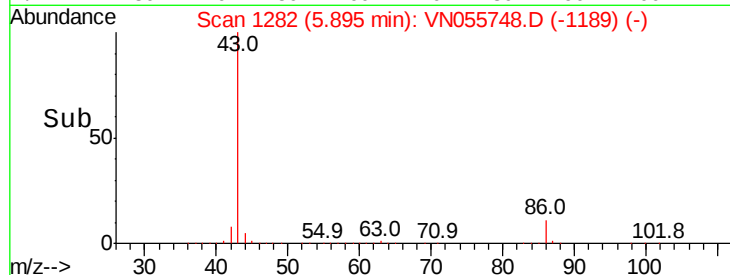
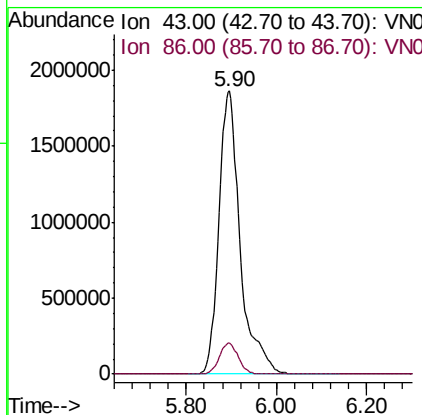
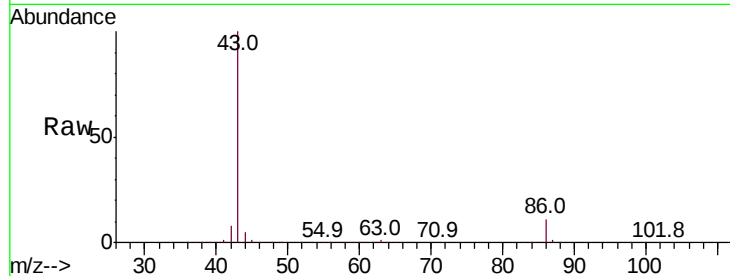
86 10.9 8.6 13.0

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#24

1,1-Dichloroethane

Concen: 138.830 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

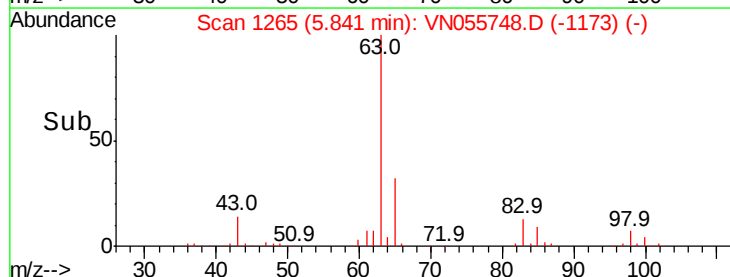
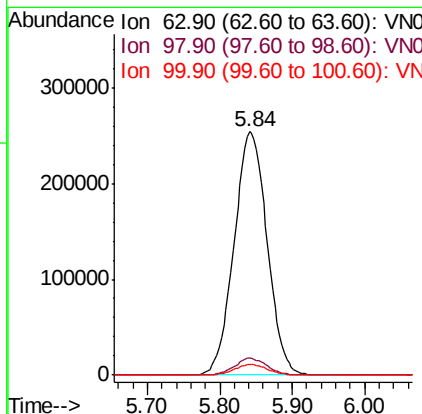
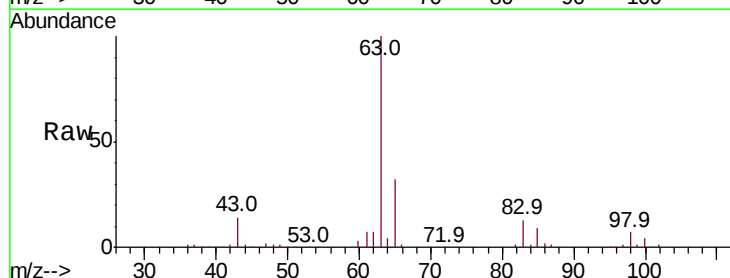
Tgt Ion: 63 Resp: 804487

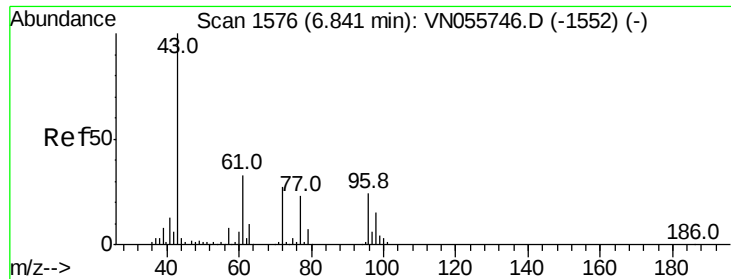
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 734.614 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1568126

Ion Ratio Lower Upper

43 100

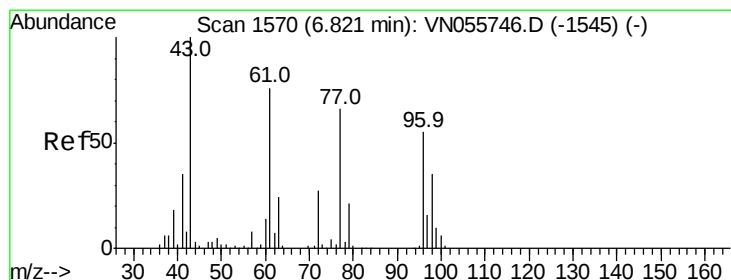
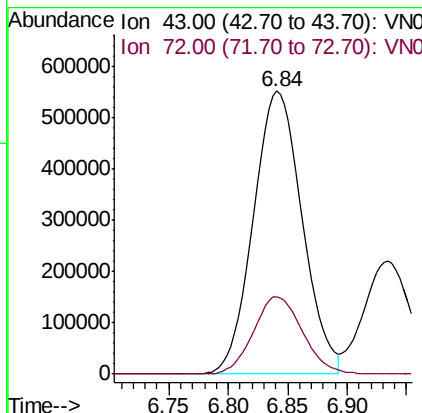
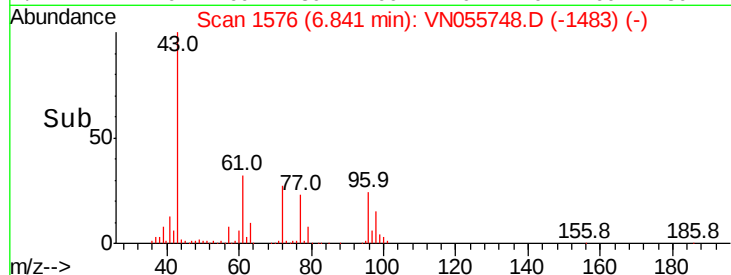
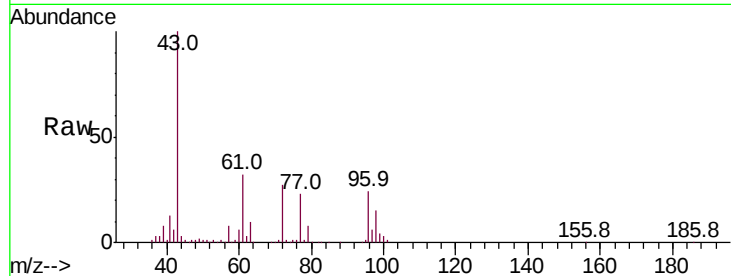
72 27.5 21.9 32.9

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#26

2,2-Dichloropropane

Concen: 129.383 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN055748.D

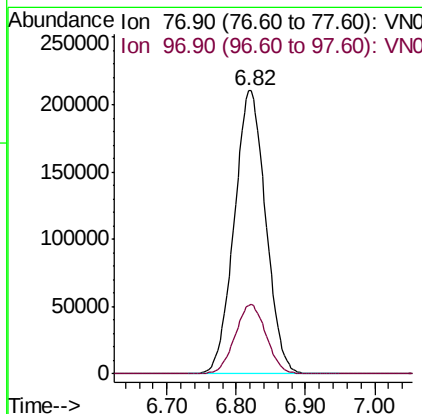
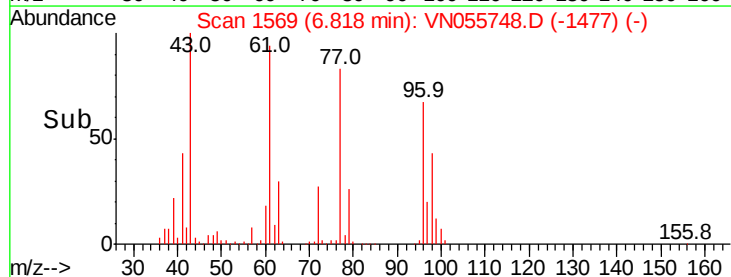
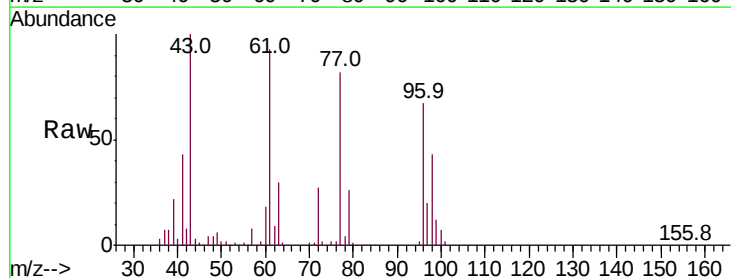
Acq: 23 May 2019 11:25

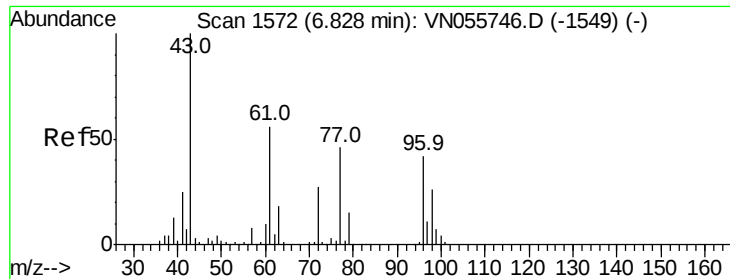
Tgt Ion: 77 Resp: 664008

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 136.977 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

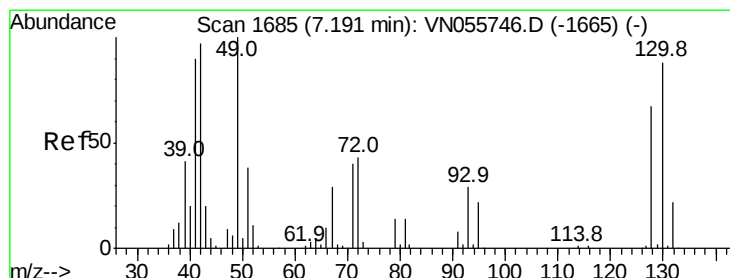
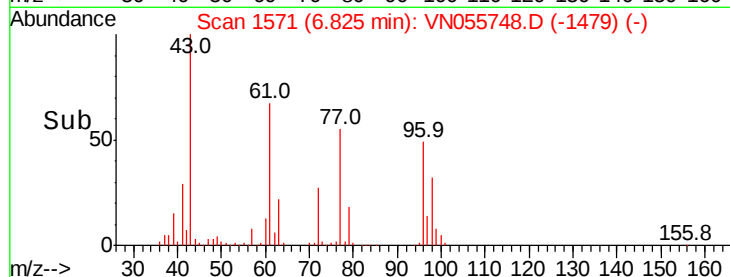
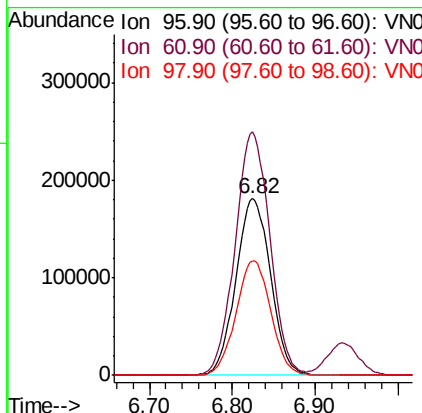
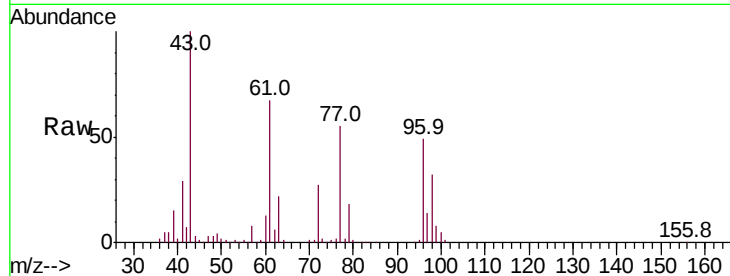
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	527009
Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	275.8
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 149.548 ug/l

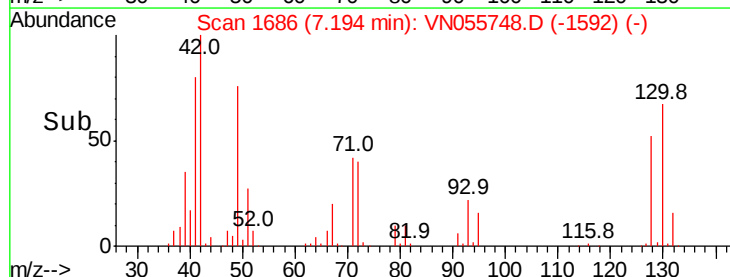
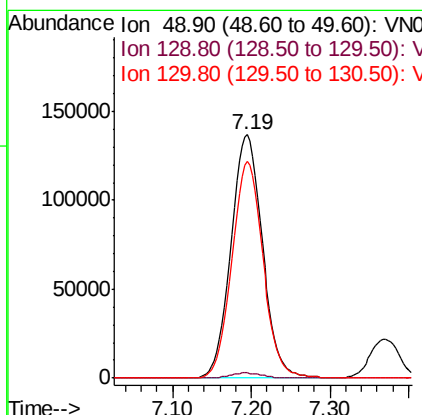
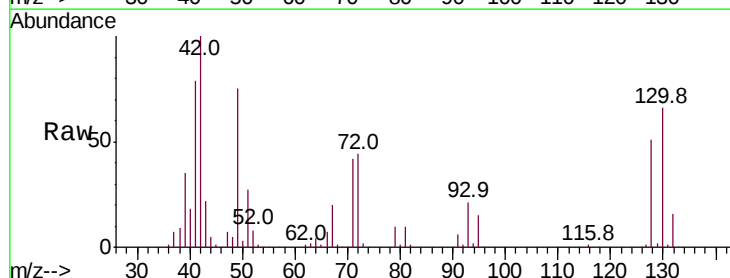
RT: 7.19 min Scan# 1686

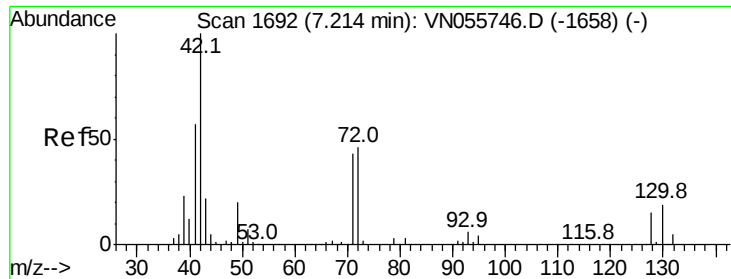
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	49	Resp:	382644
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	88.2	71.2	106.8





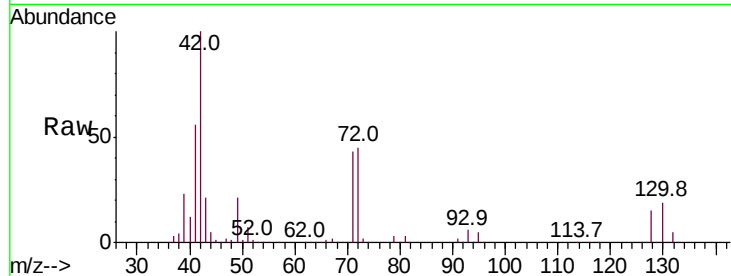
#29
Tetrahydrofuran
Concen: 701.587 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

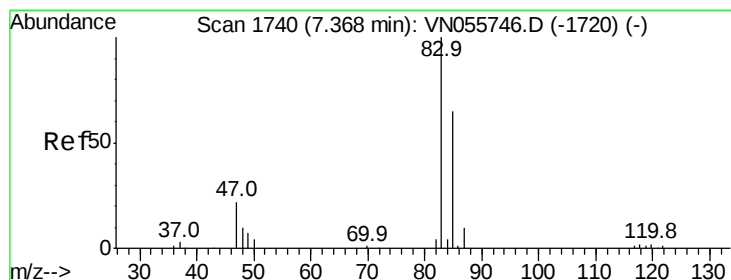
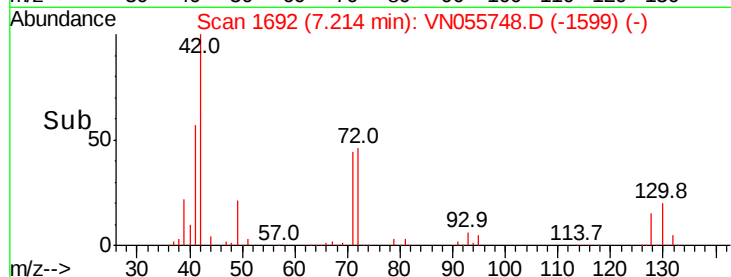
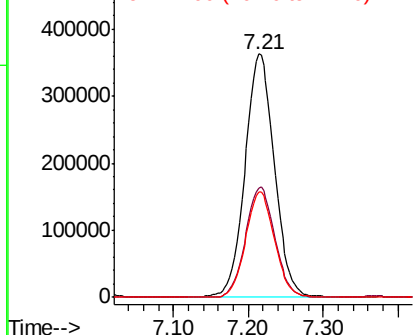
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.9	53.9
71	42.8	34.0	51.0

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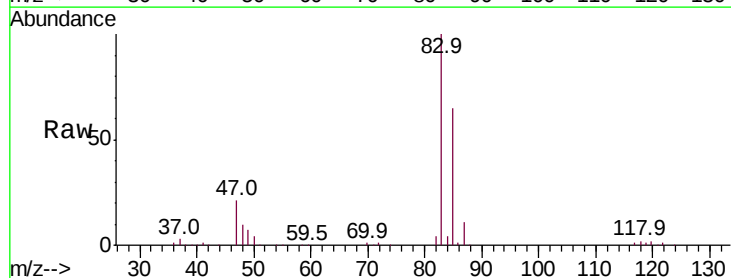


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

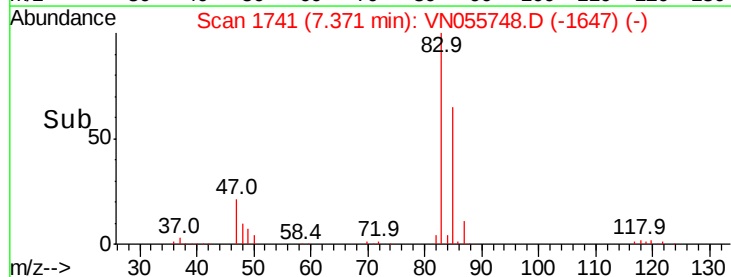
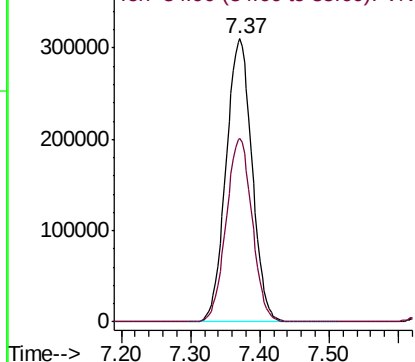


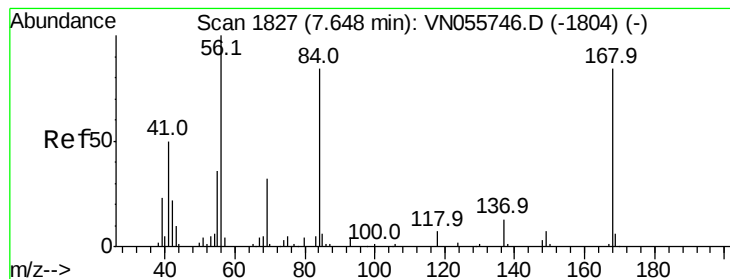
#30
Chloroform
Concen: 135.870 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 134.258 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC150

Tot Ion: 56 Resp: 742221

Ion Ratio Lower Upper

56 100

69 32.2 25.6 38.4

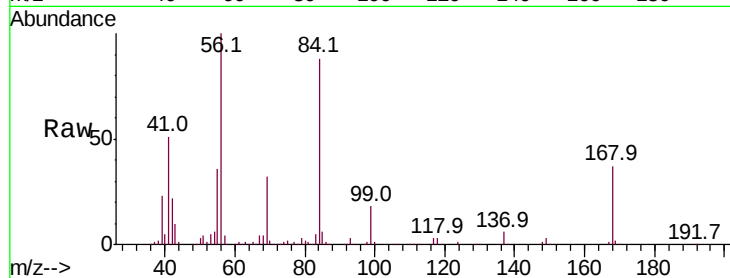
84 87.0 67.4 101.0

Manual Integrations

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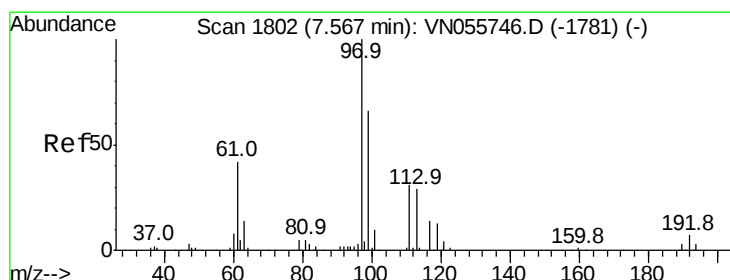
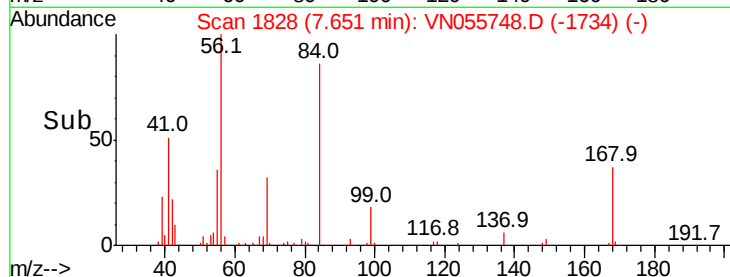
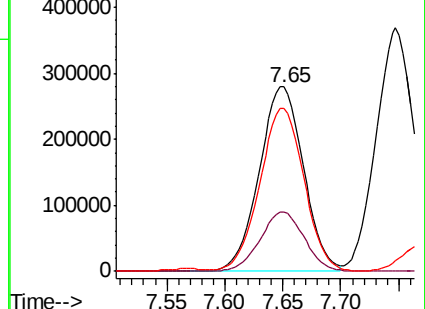
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Abundance Ion 56.00 (55.70 to 56.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 134.856 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

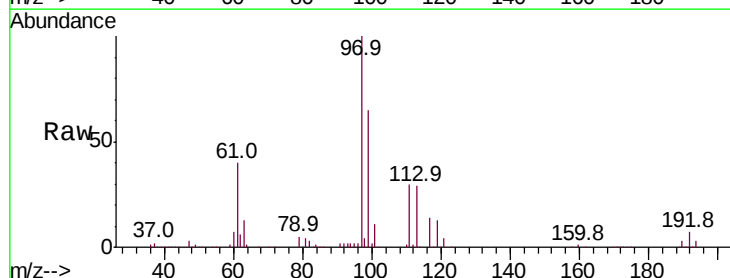
Tgt Ion: 97 Resp: 720609

Ion Ratio Lower Upper

97 100

99 64.7 52.0 78.0

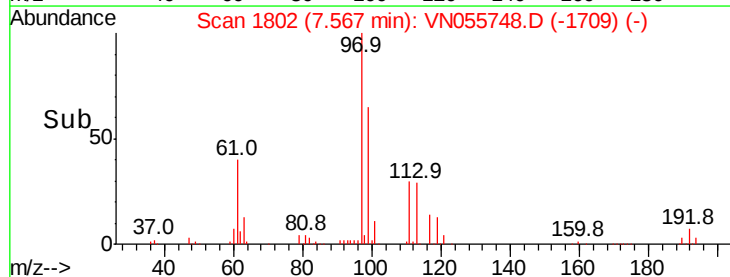
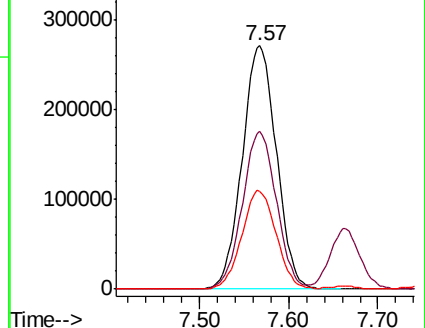
61 40.7 32.9 49.3

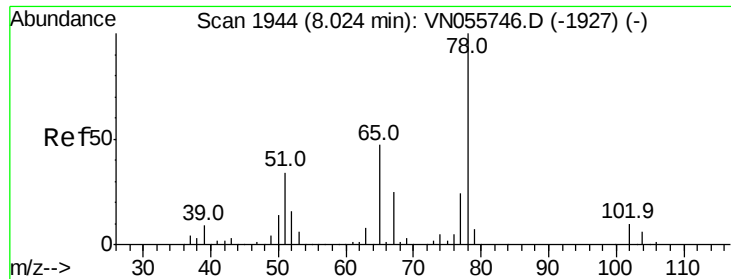


Abundance Ion 96.90 (96.60 to 97.60): VNC

Ion 98.90 (98.60 to 99.60): VNC

Ion 60.90 (60.60 to 61.60): VNC





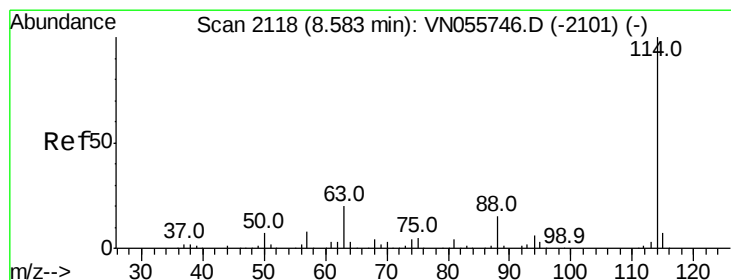
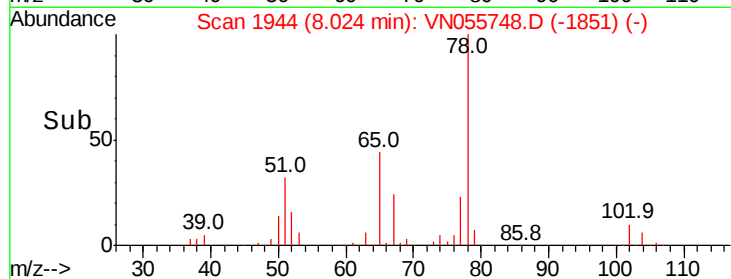
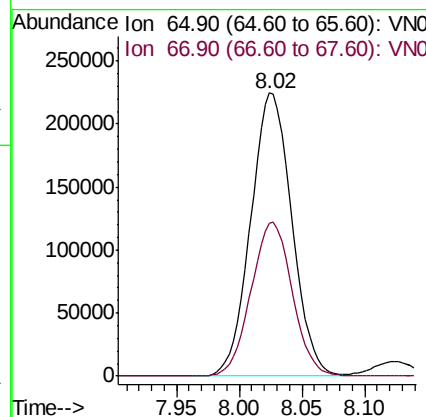
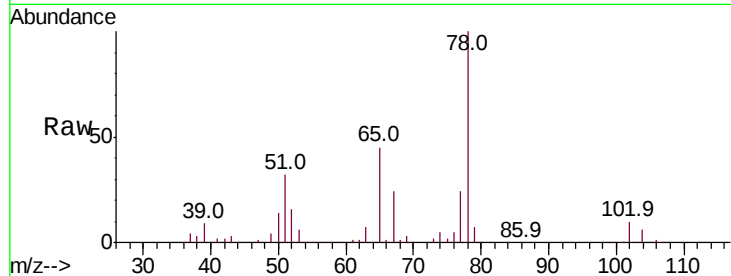
#33
 1,2-Dichloroethane-d4
 Concen: 138.288 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.5	0.0	109.2	

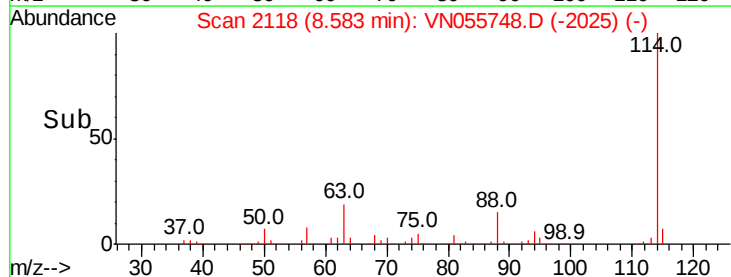
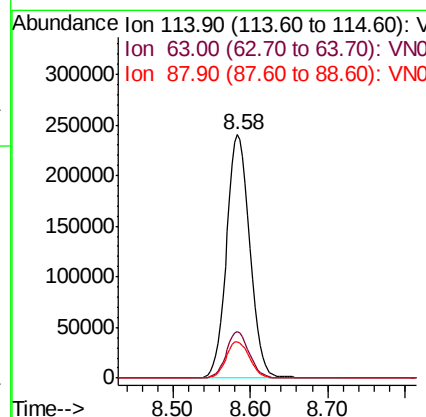
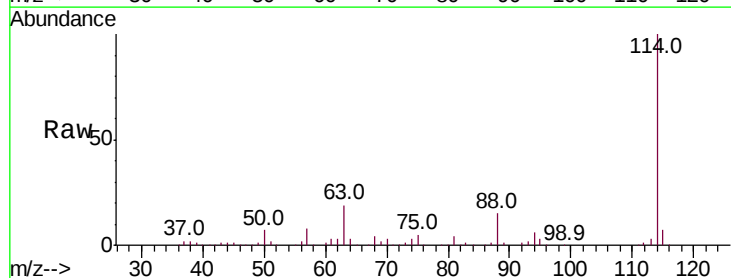
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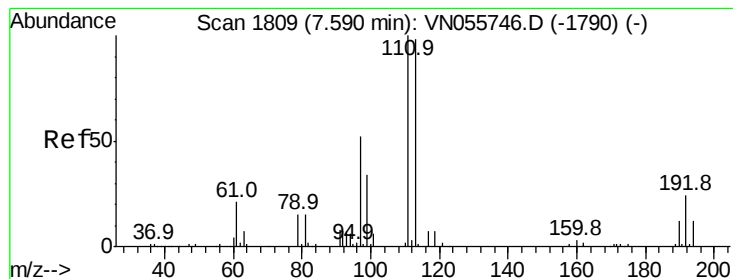
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.1	0.0	39.2	
88	15.0	0.0	31.0	





#35

Dibromofluoromethane

Concen: 145.717 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

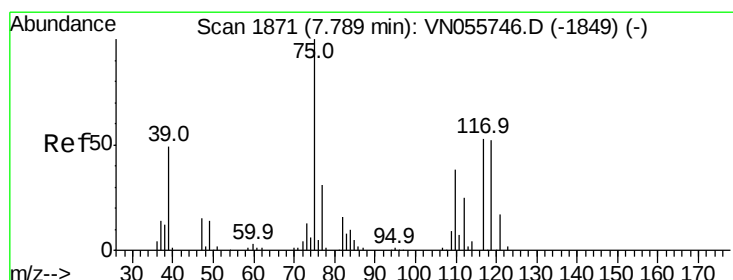
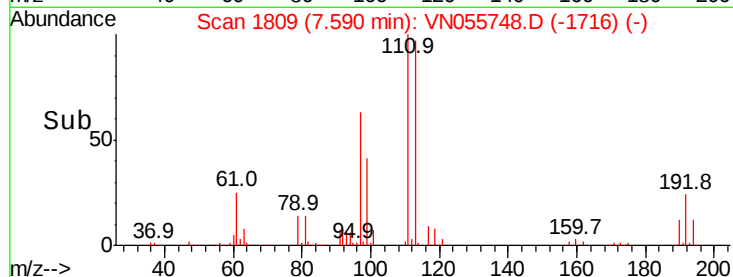
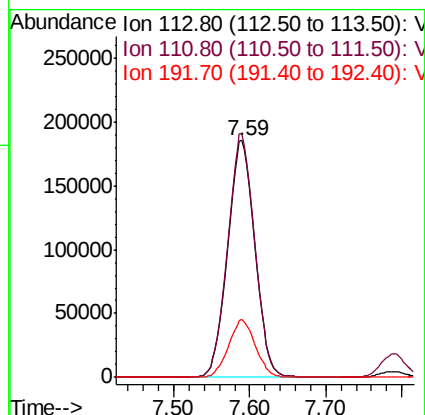
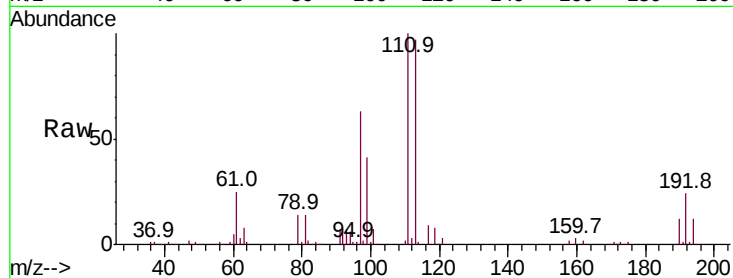
ClientSampleId :

VSTDIC150

Tot Ion:	113	Resp:	462386
Ion Ratio	Lower	Upper	
113	100		
111	102.0	81.9	122.9
192	23.9	19.5	29.3

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#36

1,1-Dichloropropene

Concen: 139.584 ug/l

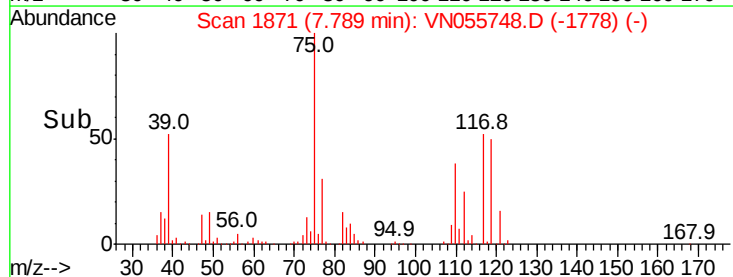
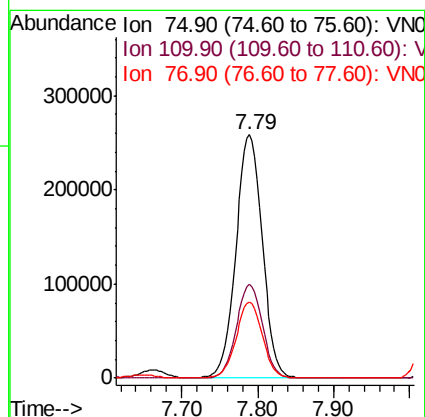
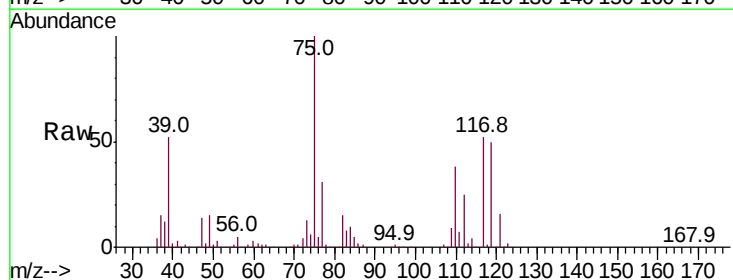
RT: 7.79 min Scan# 1871

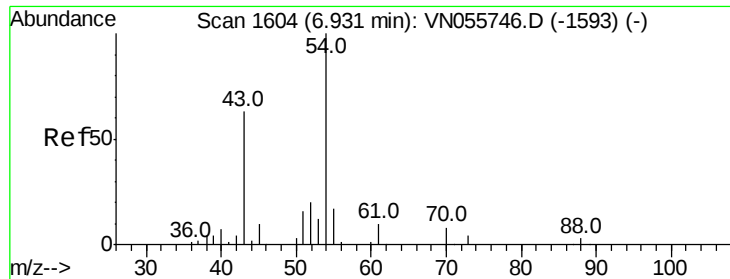
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	75	Resp:	619527
Ion Ratio	Lower	Upper	
75	100		
110	38.0	19.0	57.0
77	31.2	25.1	37.7





#37

Ethyl Acetate

Concen: 151.784 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055748.D

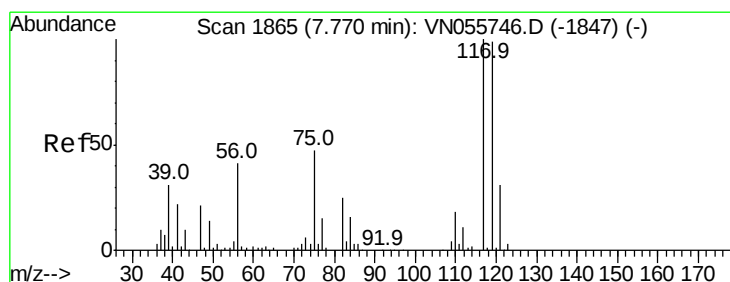
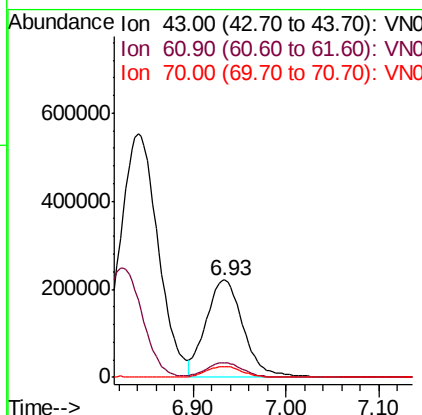
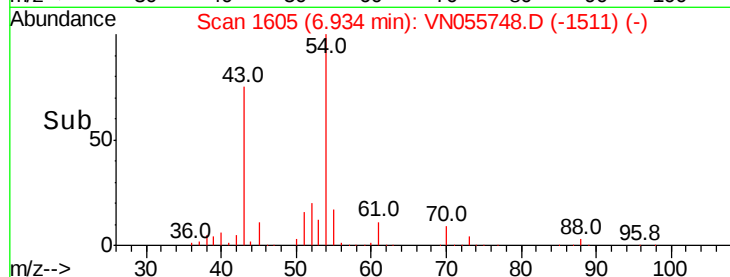
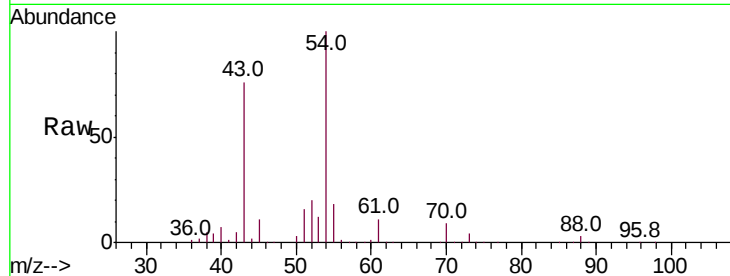
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.2	18.2
70	11.3	8.9	13.3

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#38

Carbon Tetrachloride

Concen: 136.084 ug/l

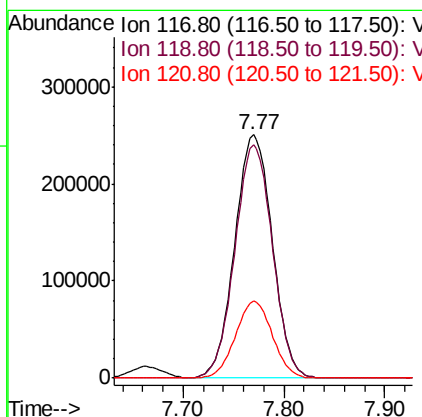
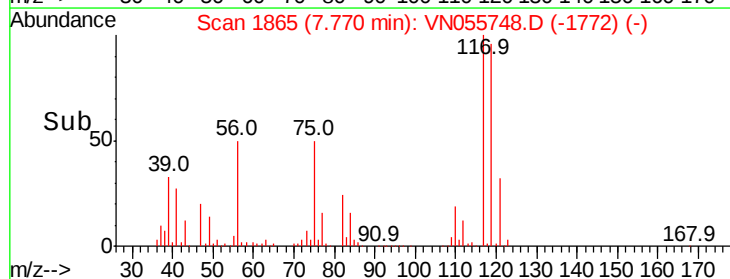
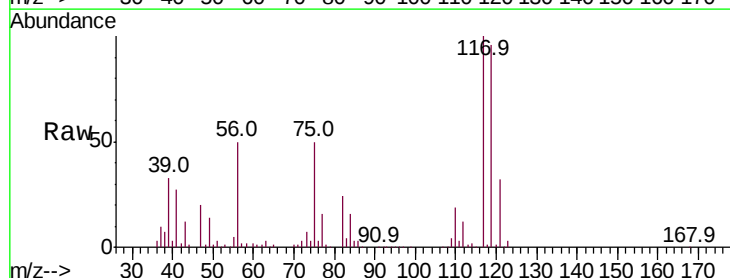
RT: 7.77 min Scan# 1865

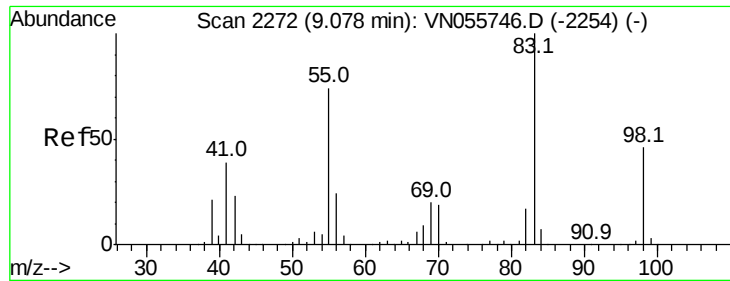
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.0	118.6
121	31.7	24.7	37.1





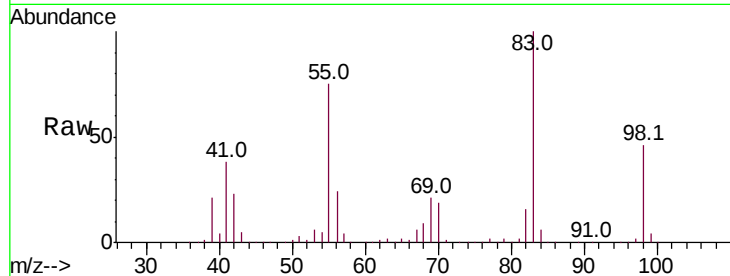
#39
Methvlcvclohexane
Concen: 146.100 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

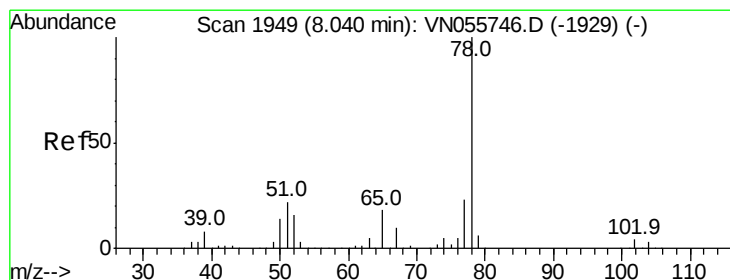
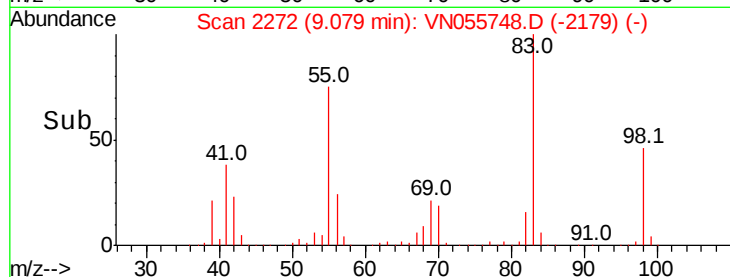
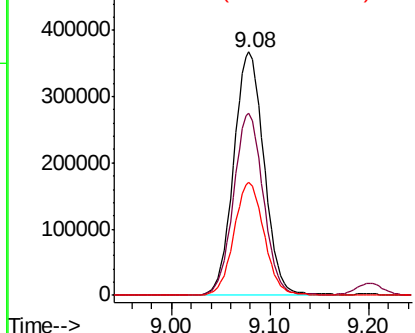
Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.3	88.9
98	46.5	36.6	54.8

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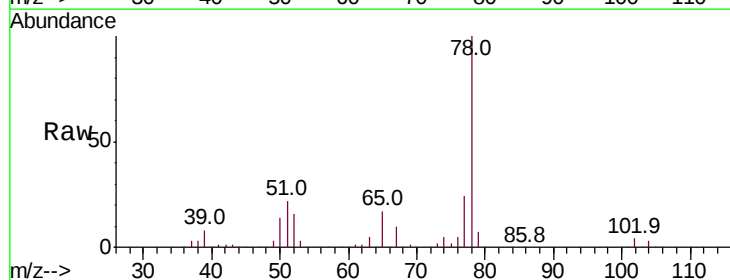


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

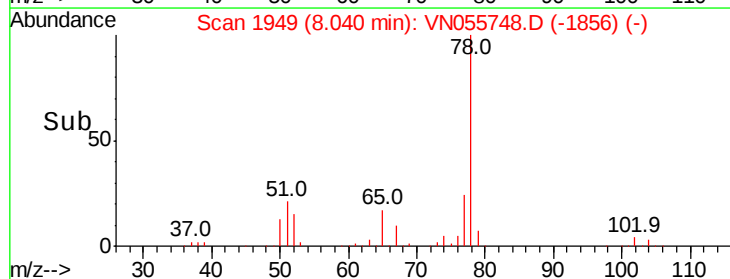
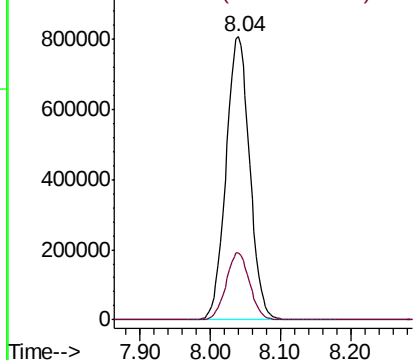


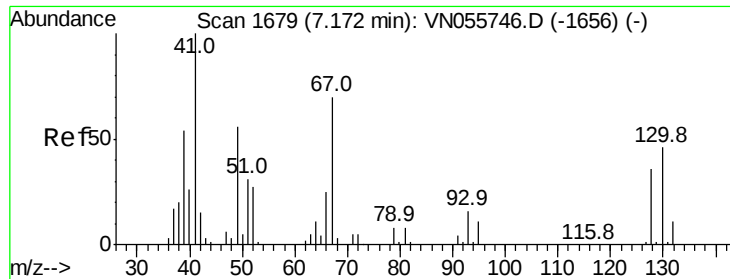
#40
Benzene
Concen: 144.096 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2



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





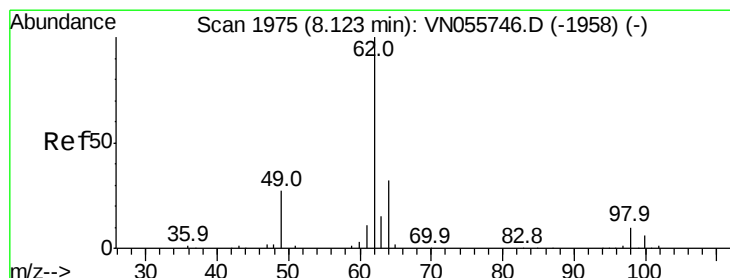
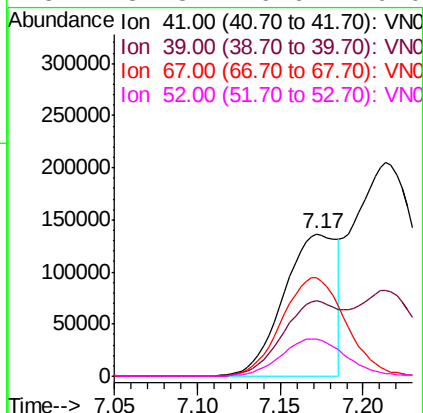
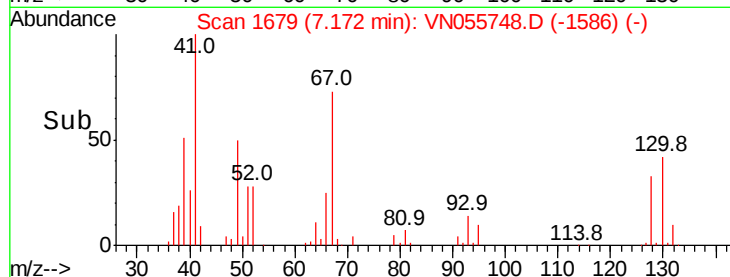
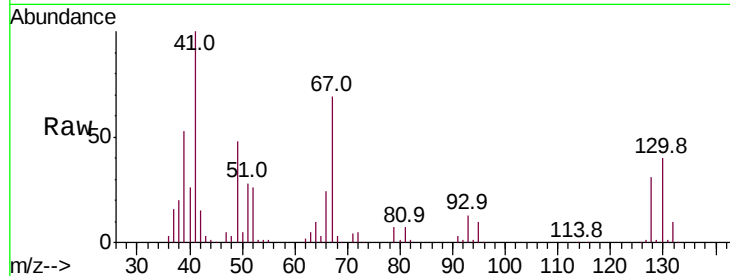
#41
Methacrylonitrile
Concen: 174.138 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	304032
Ion Ratio	100	Lower	Upper
41	100		
39	60.7	45.6	68.4
67	83.9	67.7	101.5
52	31.8	26.6	40.0

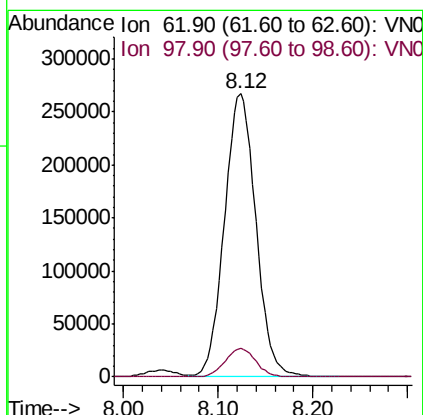
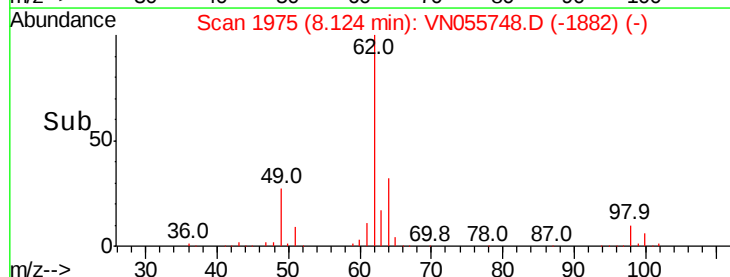
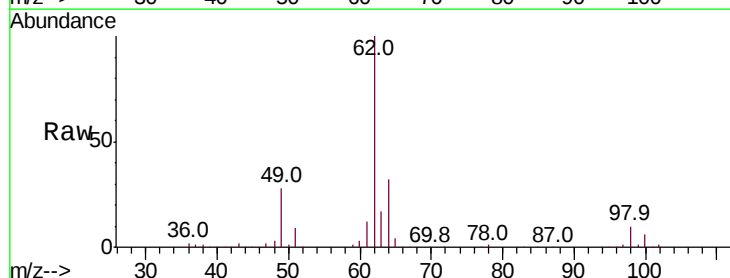
Manual Integrations
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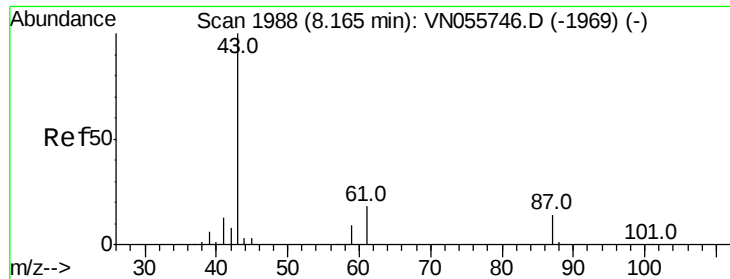
MMDadoda
5/24/2019 9:22:15 AM



#42
1,2-Dichloroethane
Concen: 144.971 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	62	Resp	615359
Ion Ratio	100	Lower	Upper
62	100		
98	9.9	0.0	20.2





#43

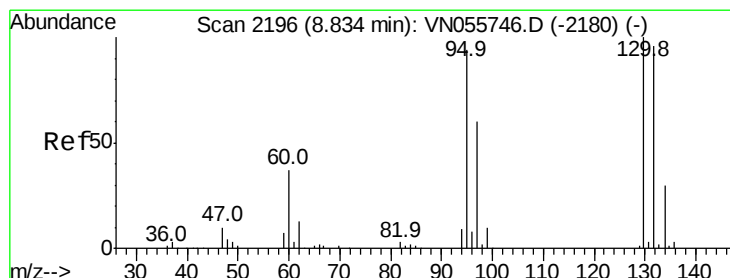
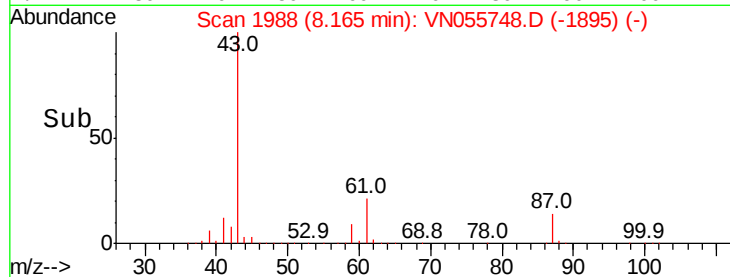
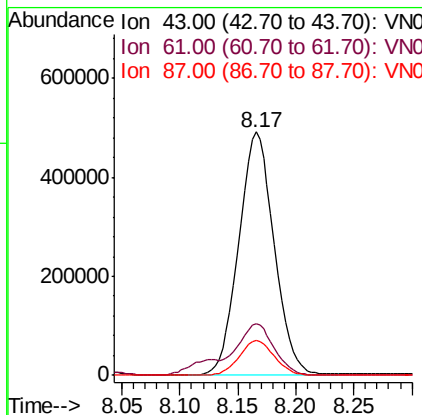
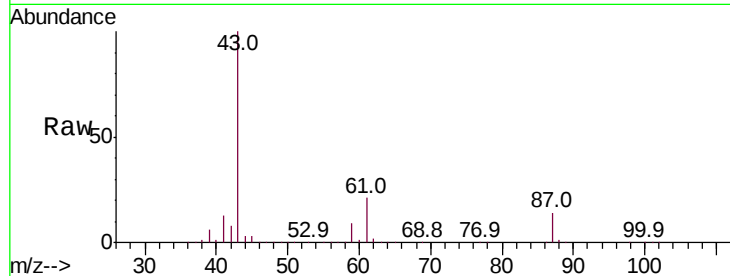
Isopropyl Acetate
 Concen: 148.914 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 1043417
 Ion Ratio Lower Upper
 43 100
 61 21.7 22.2 33.4#
 87 14.3 11.4 17.2

Manual Integrations
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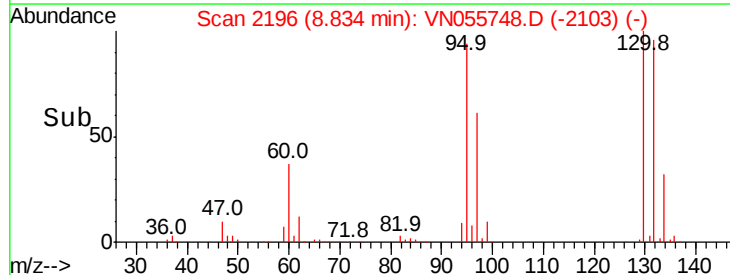
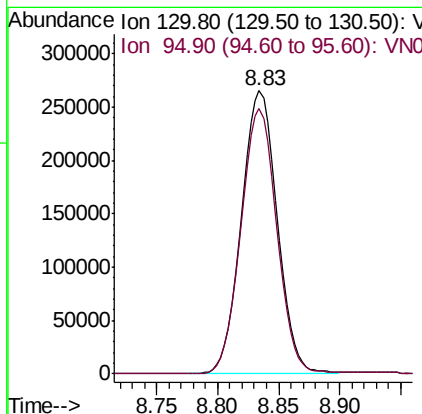
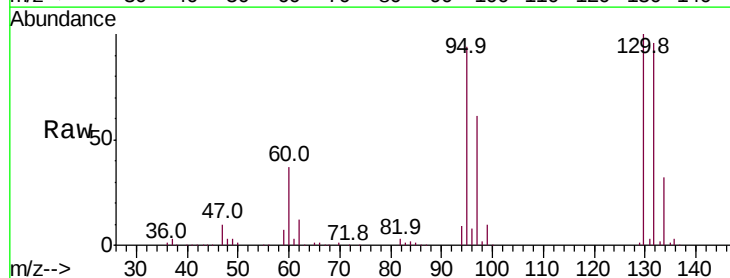
MMDadoda
 5/24/2019 9:22:15 AM

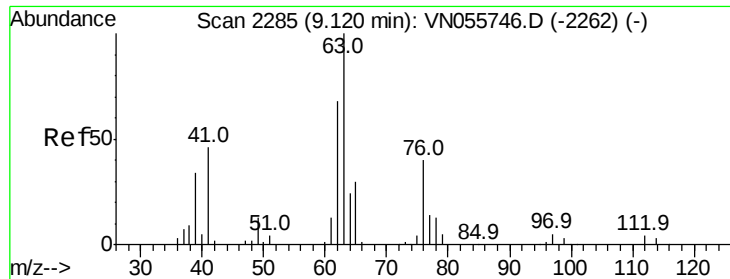


#44

Trichloroethene
 Concen: 145.410 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion: 130 Resp: 538359
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 188.0





#45

1,2-Dichloropropane

Concen: 144.095 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 497974

Ion Ratio Lower Upper

63 100

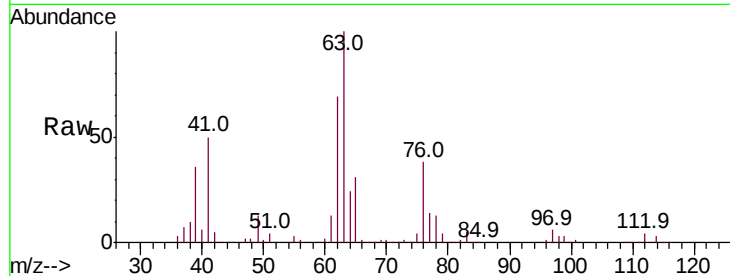
65 31.4 24.6 36.8

Manual Integrations

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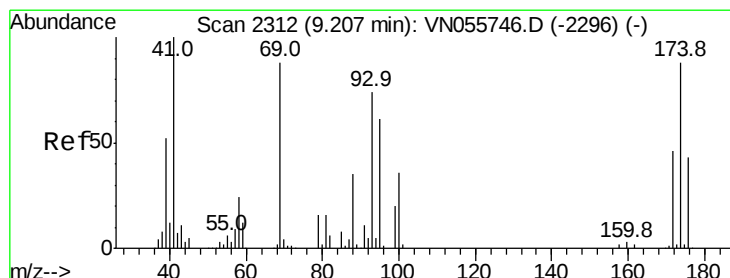
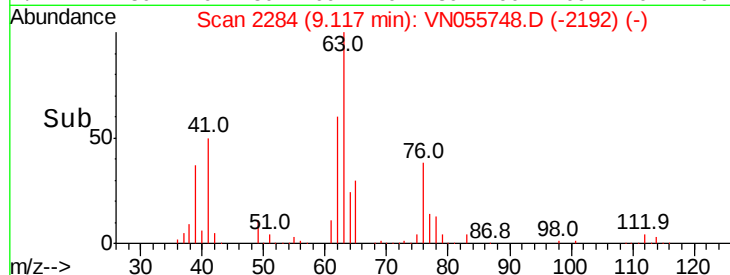
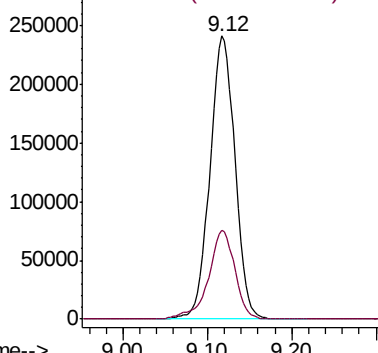
MMDadoda

5/24/2019 9:22:15 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 145.683 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

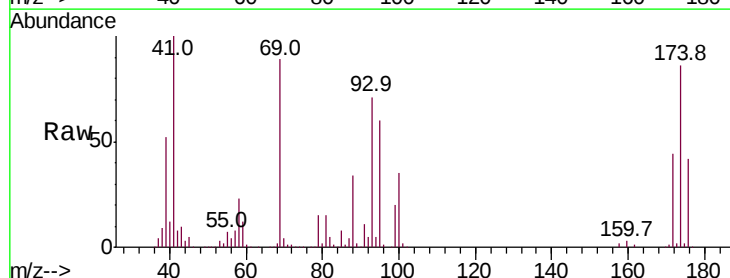
Tgt Ion: 93 Resp: 330024

Ion Ratio Lower Upper

93 100

95 84.2 66.7 100.1

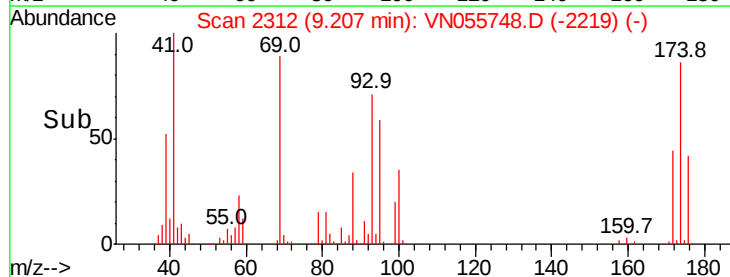
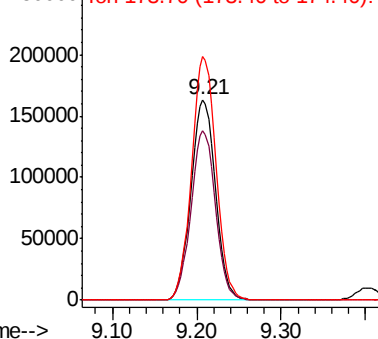
174 121.1 96.4 144.6

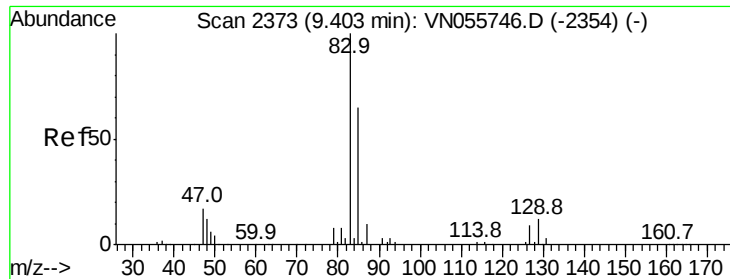


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 141.581 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

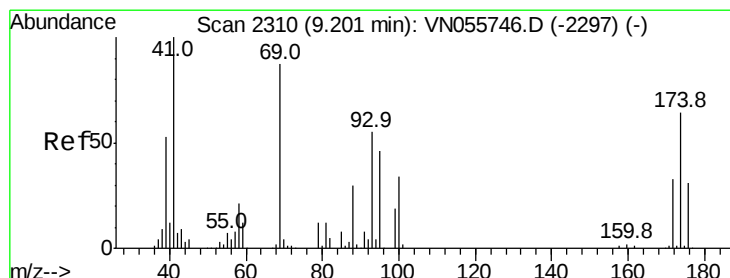
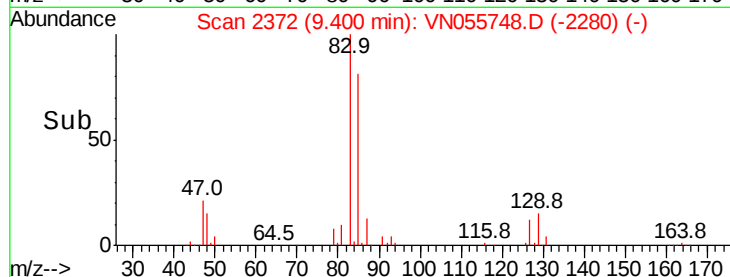
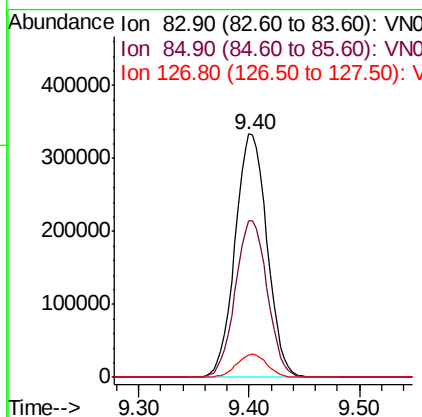
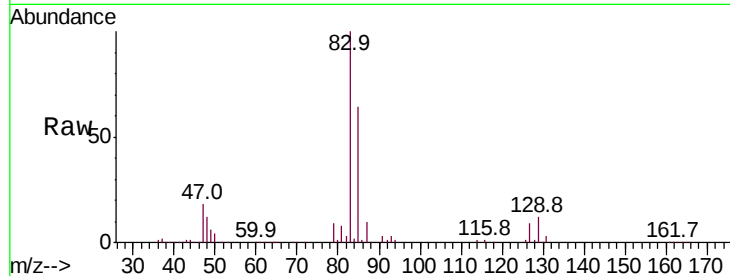
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	669434
Ion Ratio	Lower	Upper	
83	100		
85	64.5	52.2	78.2
127	9.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 158.115 ug/l

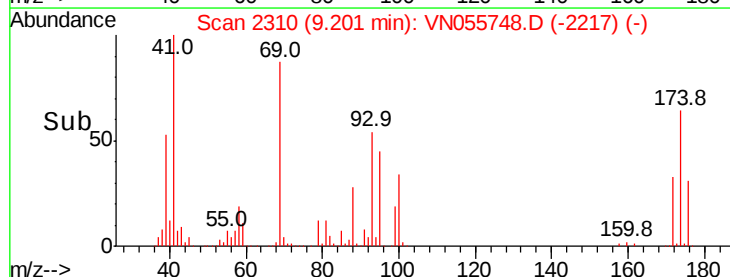
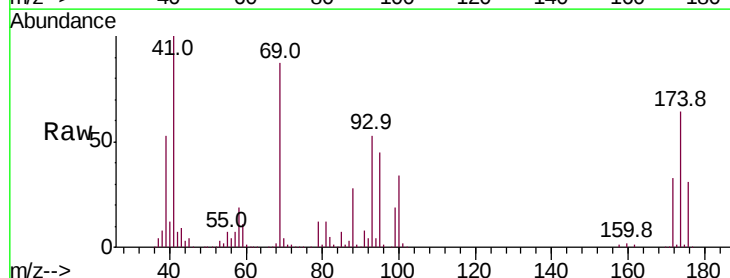
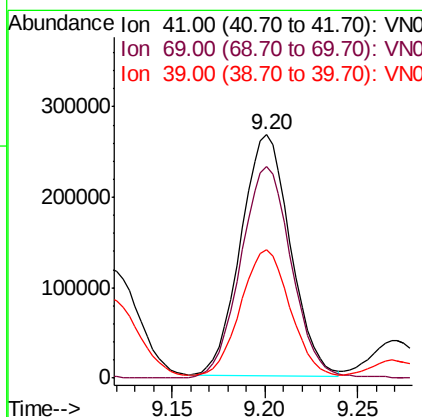
RT: 9.20 min Scan# 2310

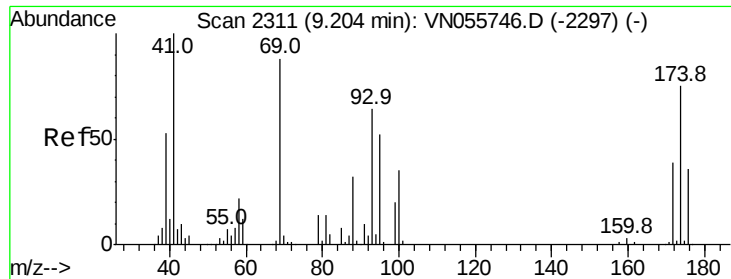
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	41	Resp:	496374
Ion Ratio	Lower	Upper	
41	100		
69	90.3	71.0	106.6
39	54.1	44.2	66.2





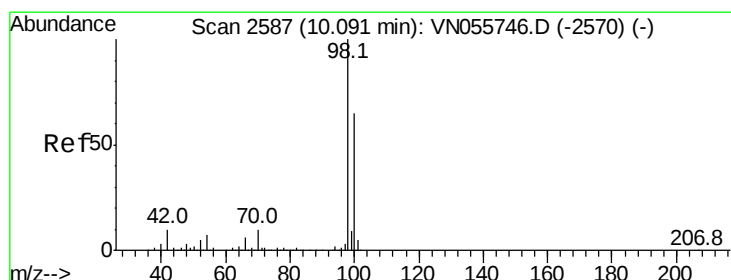
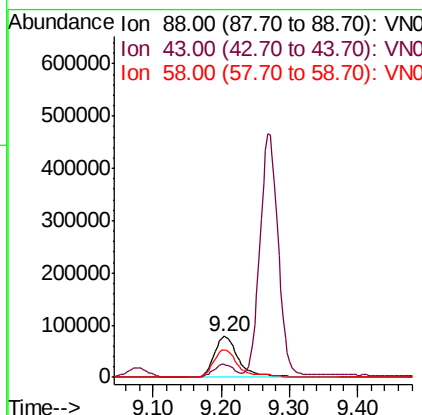
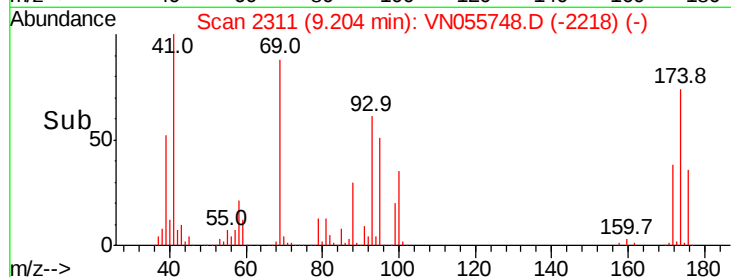
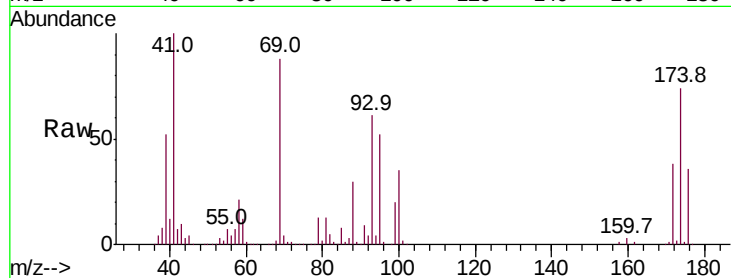
#49
 1,4-Dioxane
 Concen: 3202.487 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	88	Resp	199242
Ion	Ratio	Lower	Upper
88	100		
43	25.7	20.5	30.7
58	69.4	55.8	83.6

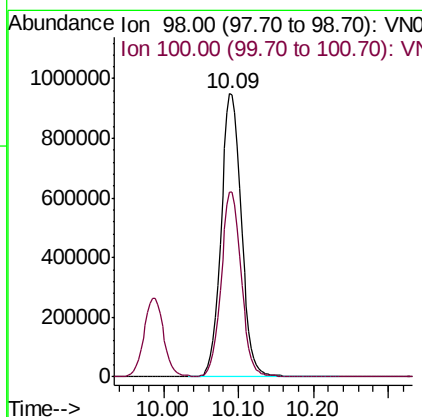
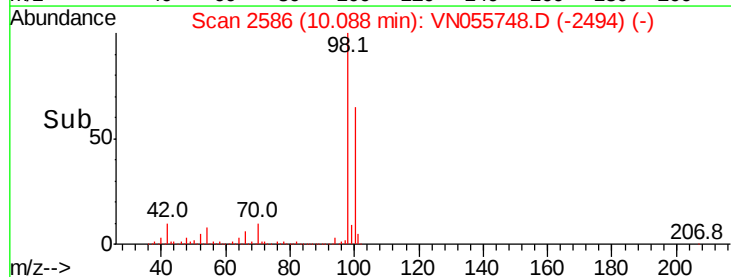
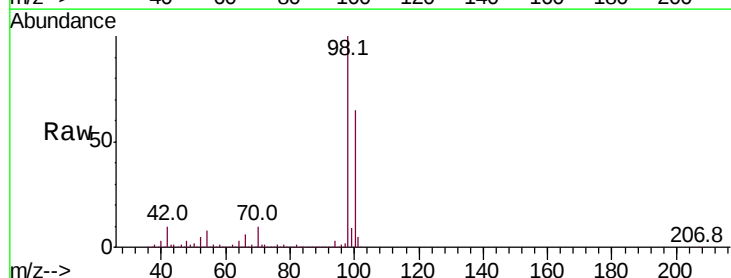
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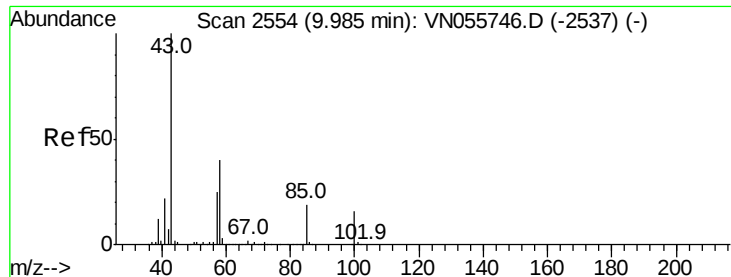
MMDadoda
 5/24/2019 9:22:15 AM



#50
 Toluene-d8
 Concen: 147.723 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	98	Resp	1776870
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 733.004 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3034908

Ion Ratio Lower Upper

43 100

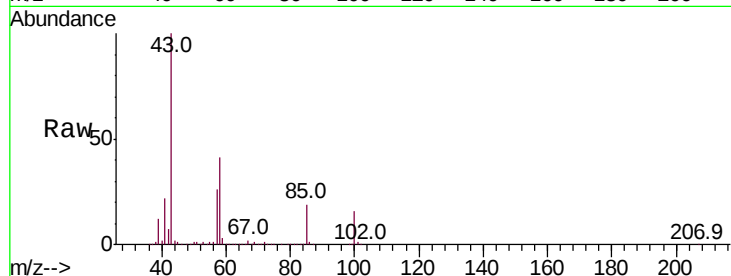
58 40.4 32.1 48.1

Manual Integrations

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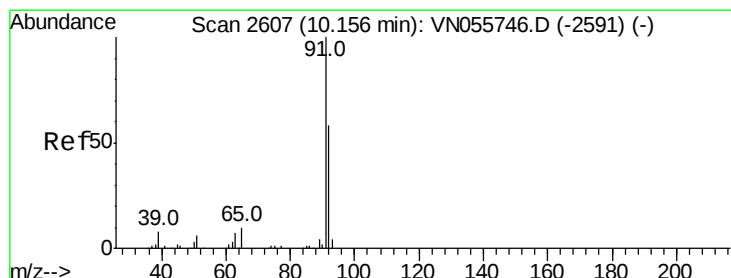
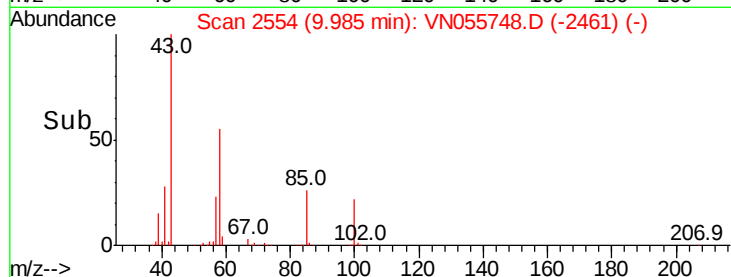
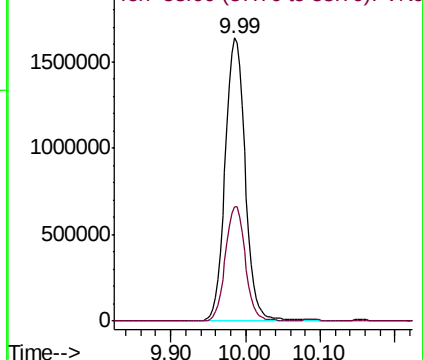
MMDadoda

5/24/2019 9:22:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 147.774 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055748.D

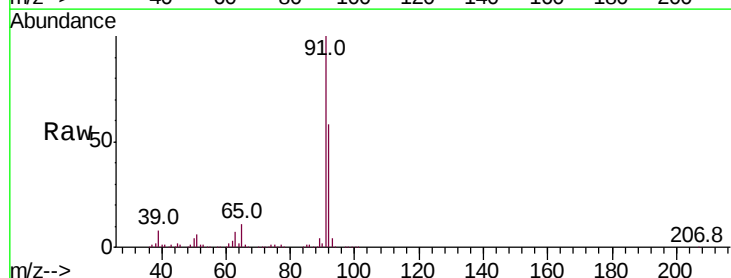
Acq: 23 May 2019 11:25

Tgt Ion: 92 Resp: 1220204

Ion Ratio Lower Upper

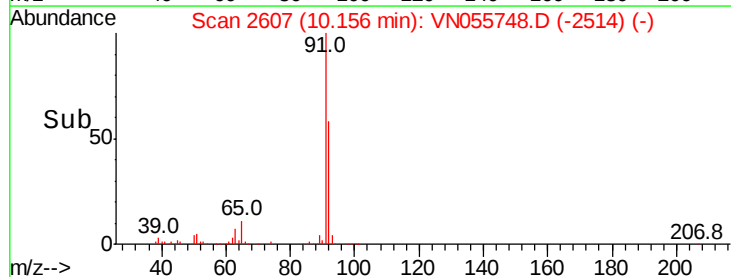
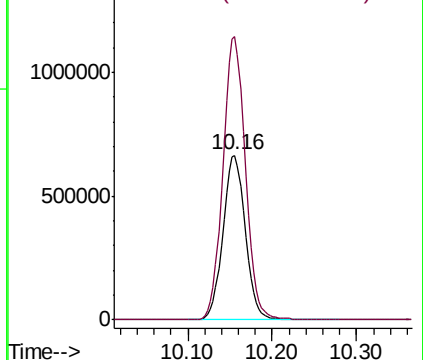
92 100

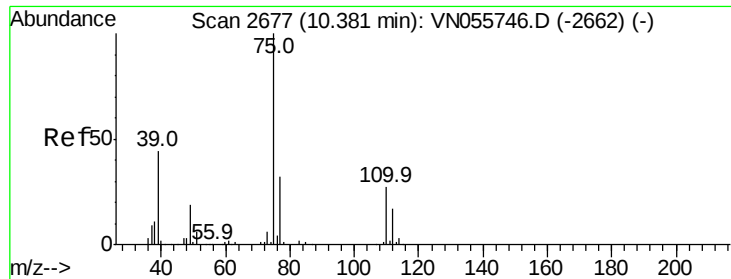
91 172.9 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 150.255 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 763186

Ion Ratio Lower Upper

75 100

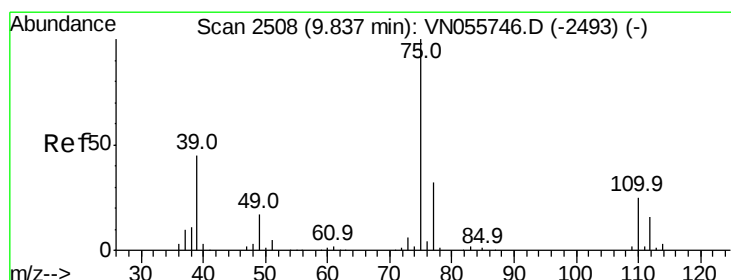
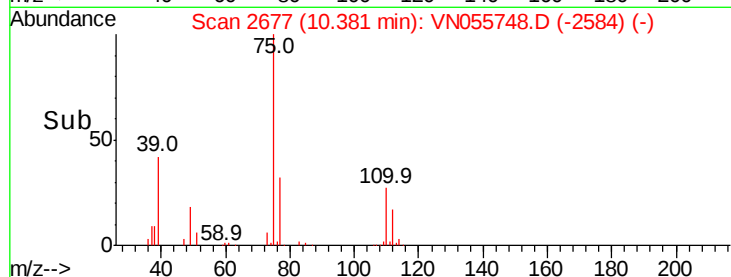
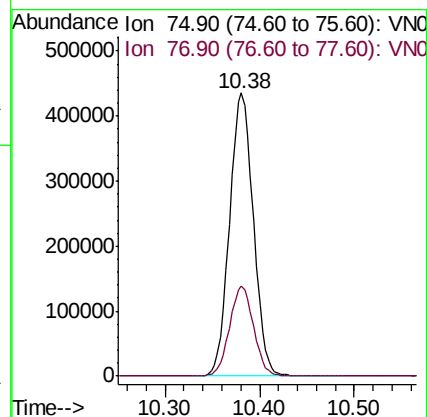
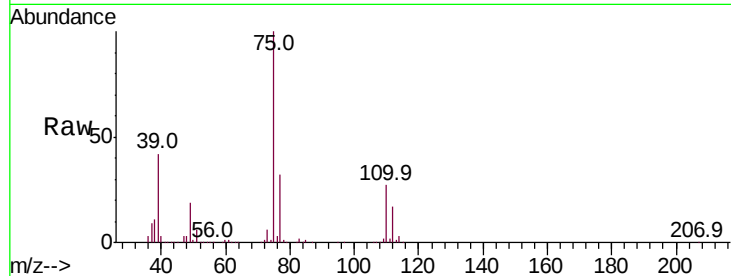
77 31.6 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 147.836 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

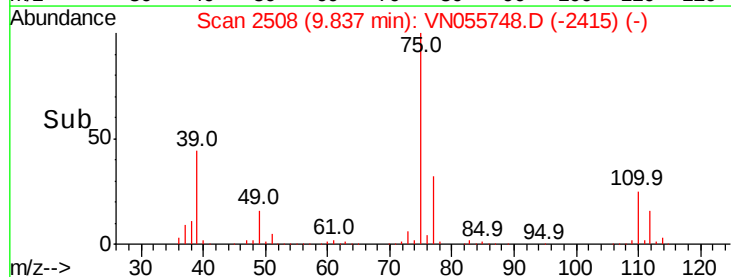
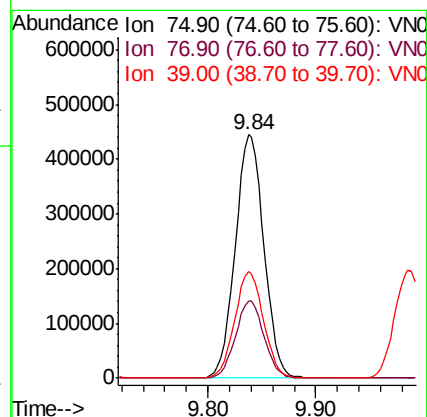
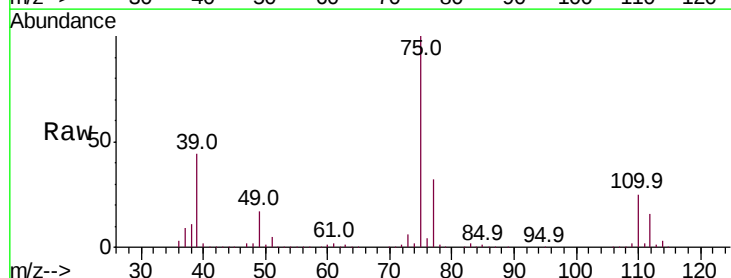
Tgt Ion: 75 Resp: 822963

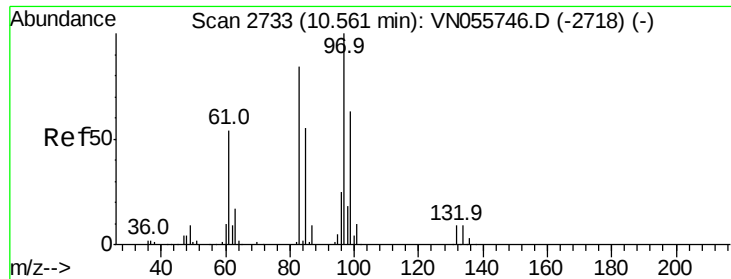
Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.0

39 43.7 36.3 54.5





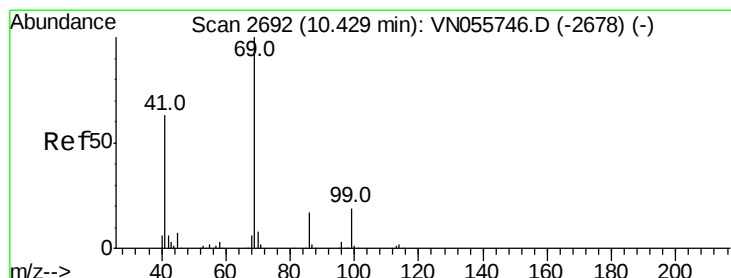
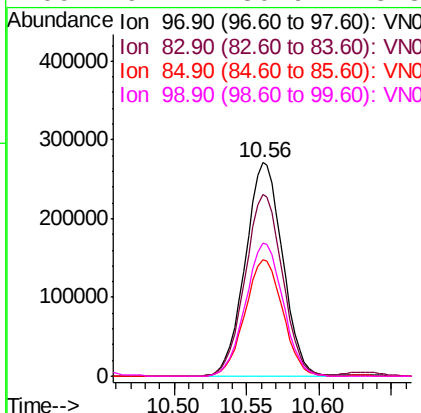
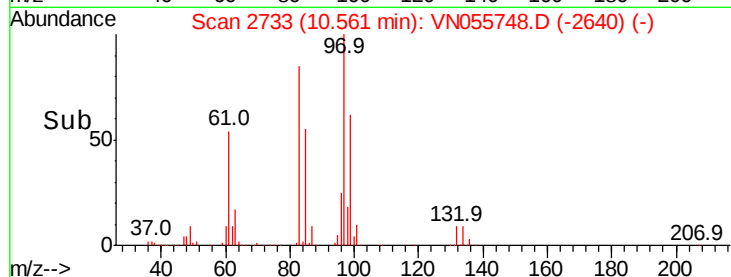
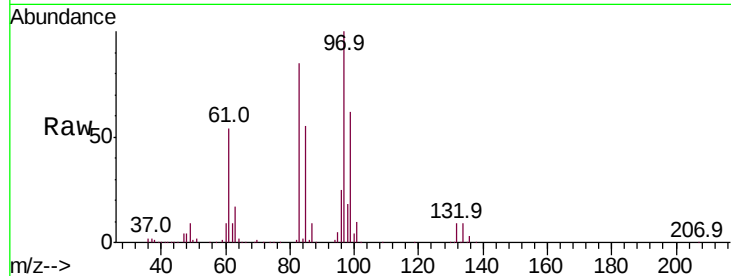
#55
 1,1,2-Trichloroethane
 Concen: 143.176 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	486169
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	54.6	44.0	66.0
99	62.4	50.6	75.8

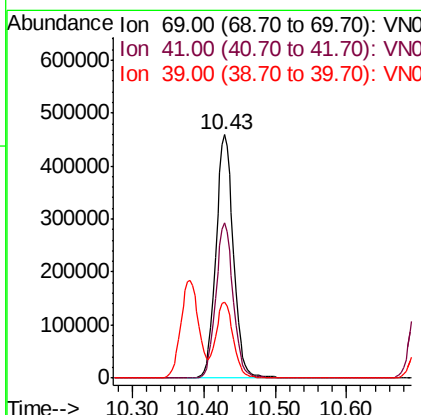
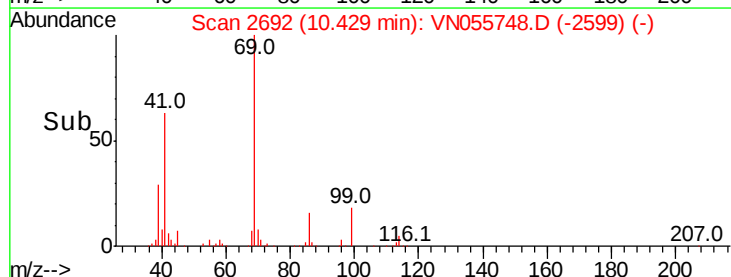
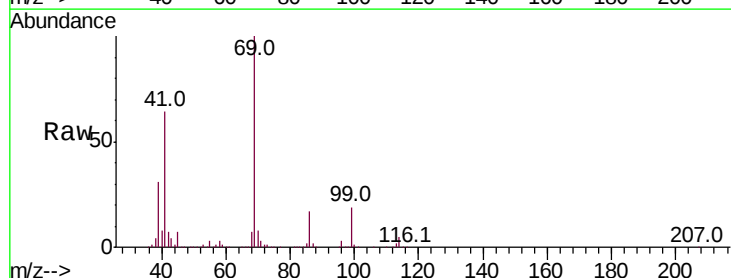
Manual Integrations
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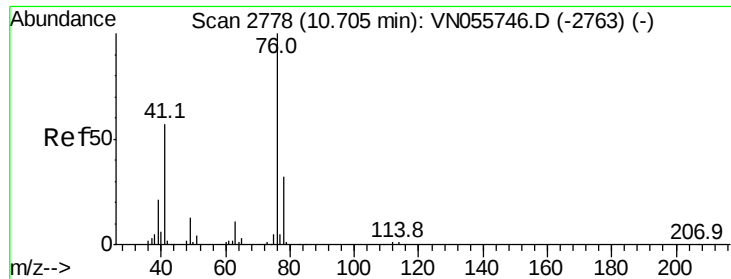
MMDadoda
 5/24/2019 9:22:15 AM



#56
 Ethyl methacrylate
 Concen: 146.697 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion:	69	Resp:	777990
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	31.1	24.7	37.1





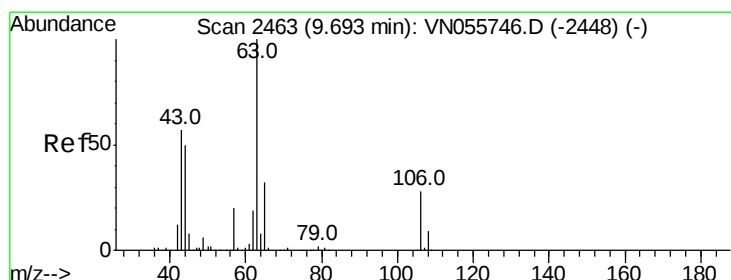
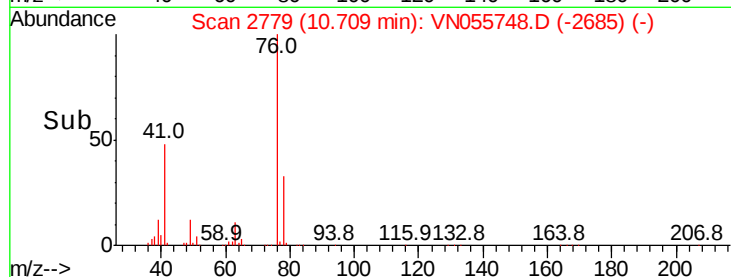
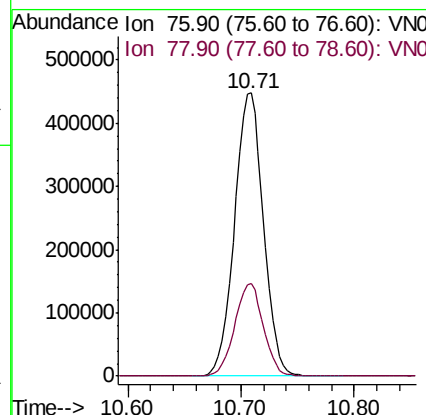
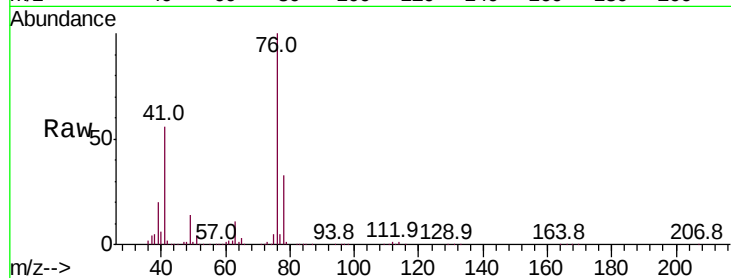
#57
 1,3-Dichloropropane
 Concen: 148.031 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

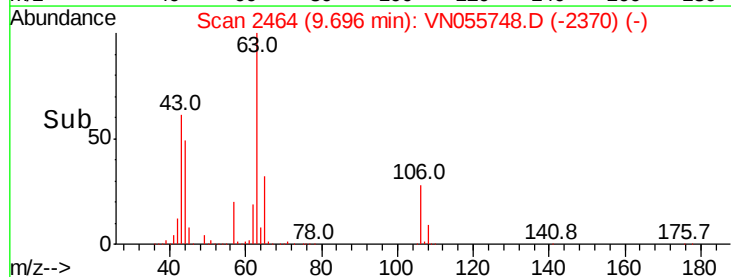
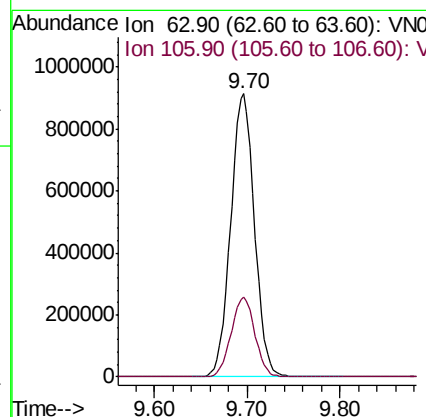
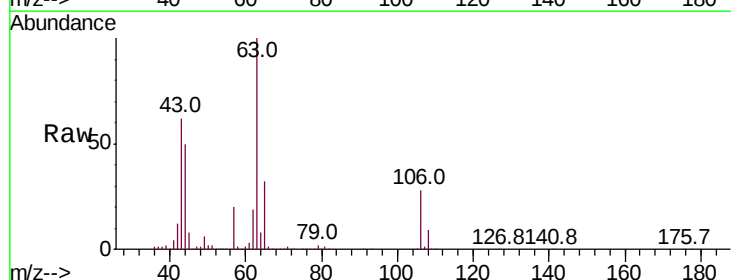
Manual Integrations
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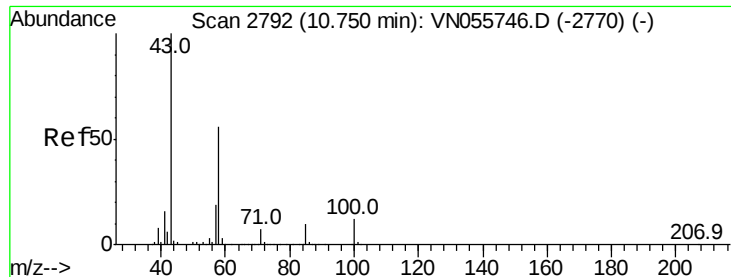
MMDadoda
 5/24/2019 9:22:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 734.646 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	22.7	34.1





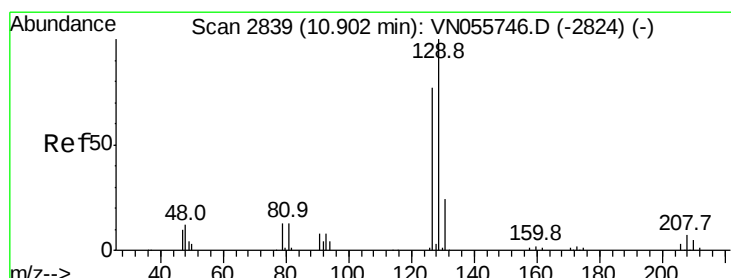
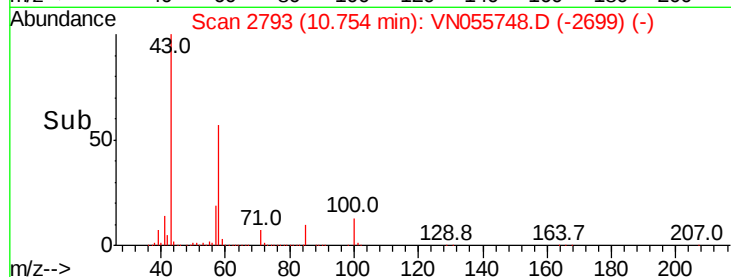
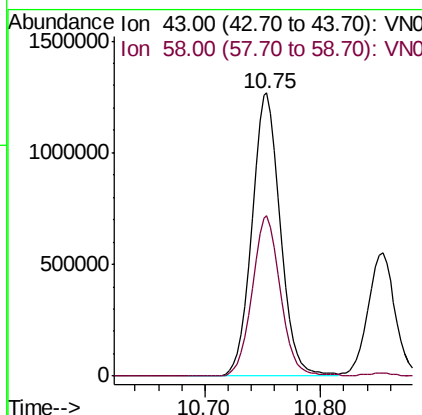
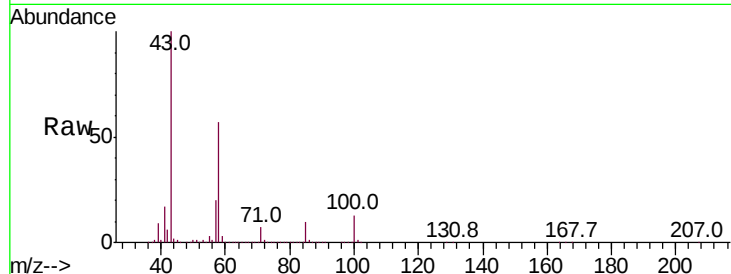
#59
2-Hexanone
Concen: 744.996 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2167764
Ion Ratio Lower Upper
43 100
58 56.5 28.2 84.7

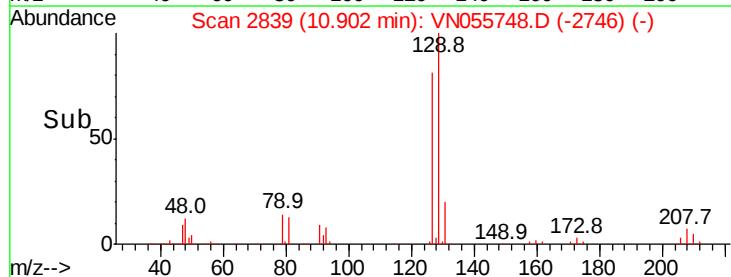
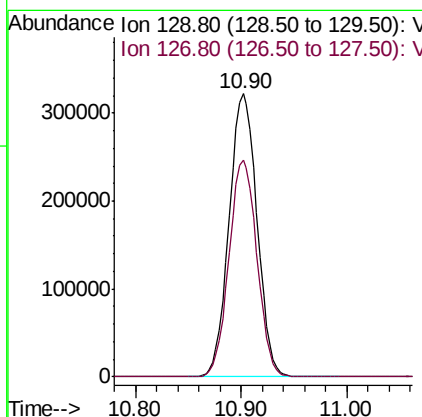
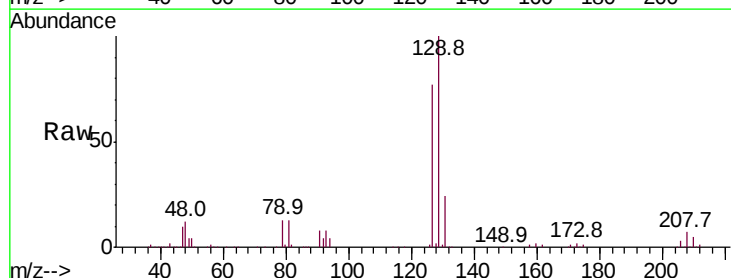
Manual Integrations
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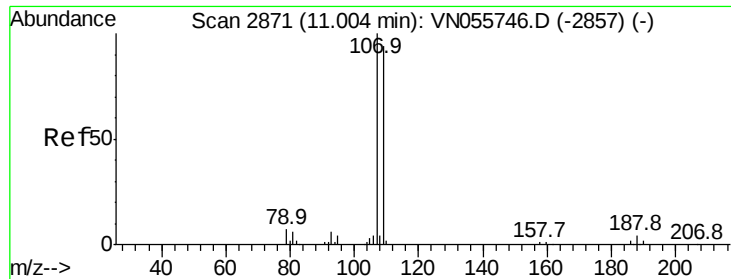
MMDadoda
5/24/2019 9:22:15 AM



#60
Dibromochloromethane
Concen: 152.901 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 129 Resp: 588536
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3





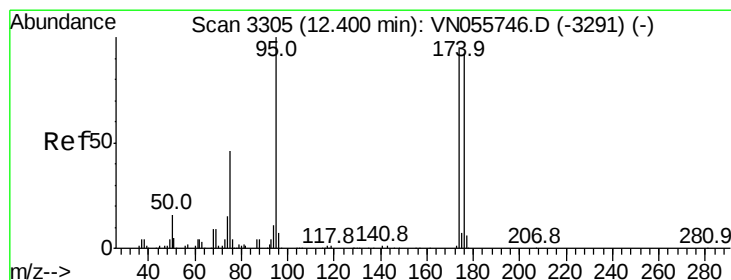
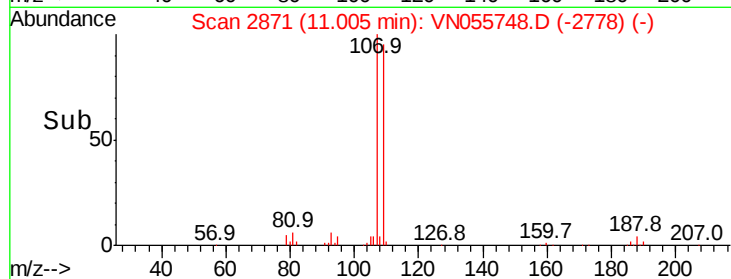
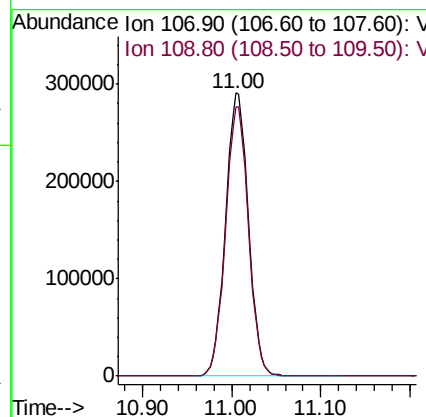
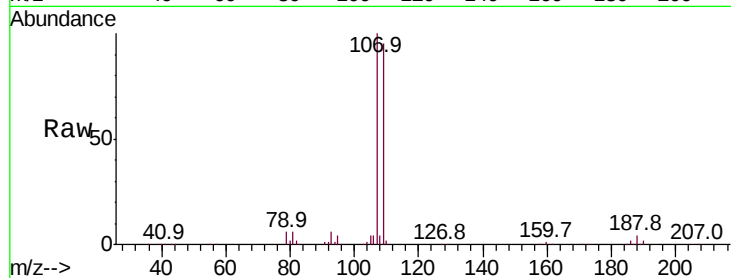
#61
 1,2-Dibromoethane
 Concen: 152.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
107	100	517048		
109	95.1	74.8	112.2	

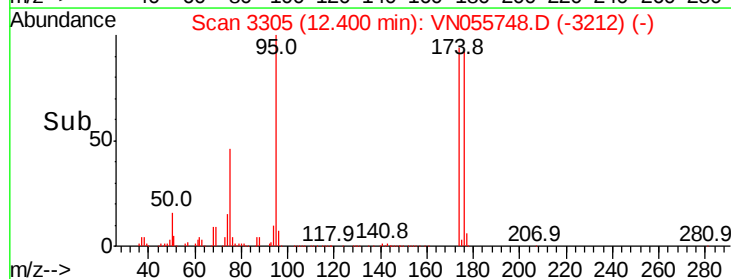
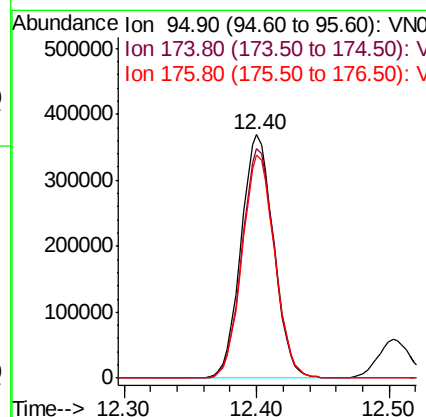
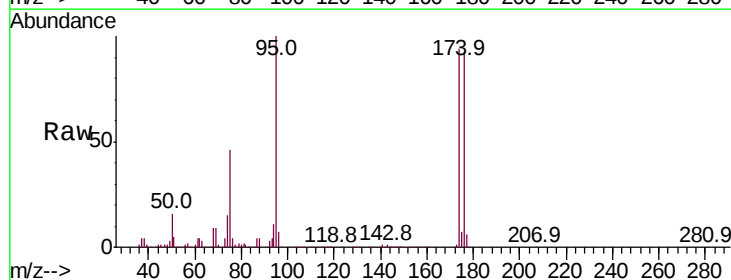
Manual Integrations
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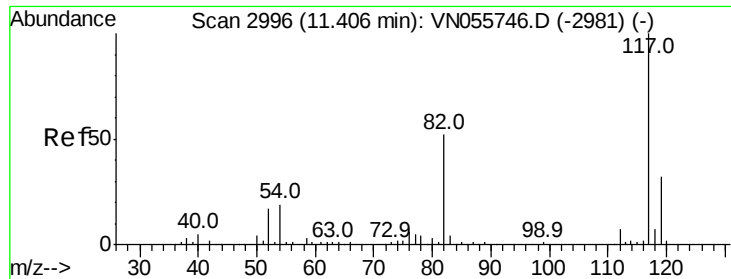
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 5/24/2019 9:22:15 AM



#62
 4-Bromofluorobenzene
 Concen: 151.490 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	630081		
174	94.5	0.0	191.0	
176	91.6	0.0	185.2	





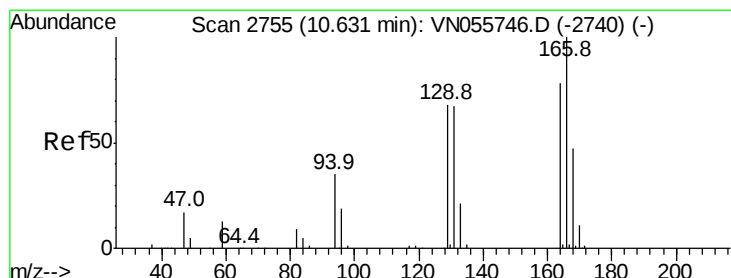
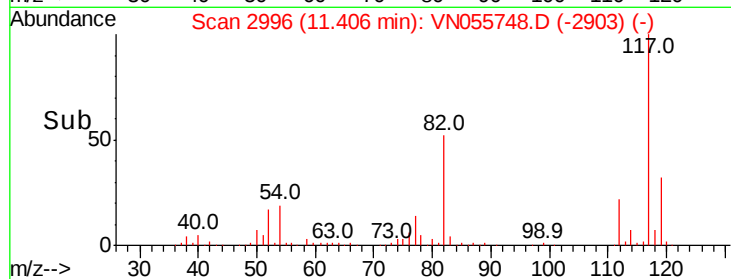
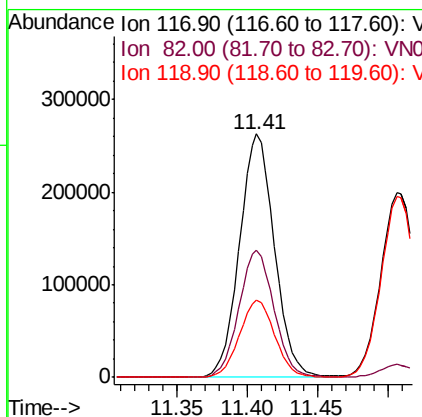
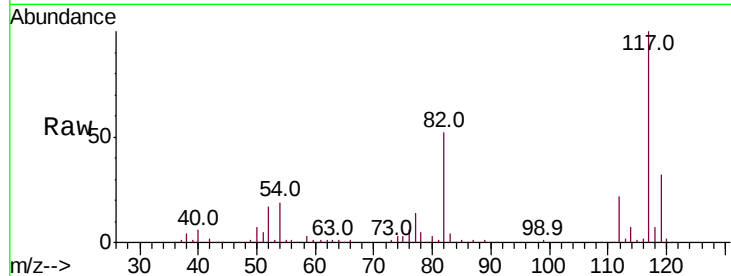
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	41.8	62.8
119	31.9	25.4	38.0

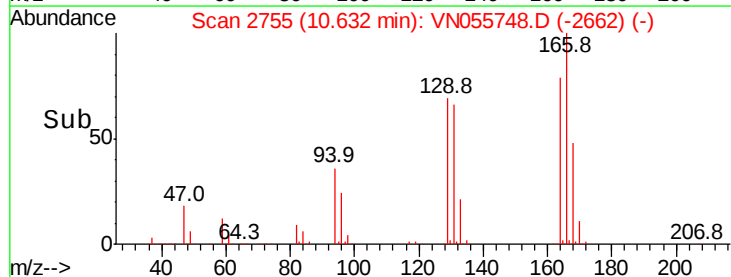
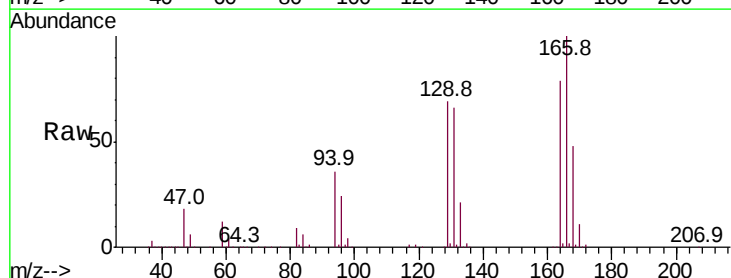
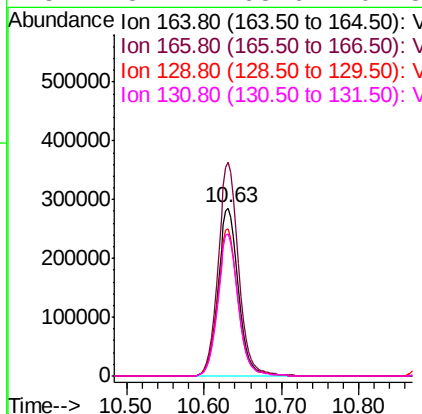
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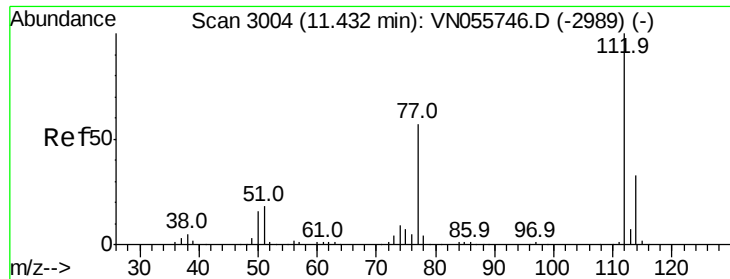
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#64
Tetrachloroethene
Concen: 145.872 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.0	154.6
129	87.6	70.6	105.8
131	84.4	68.6	102.8





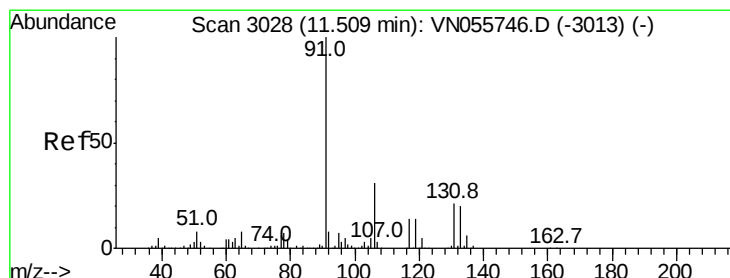
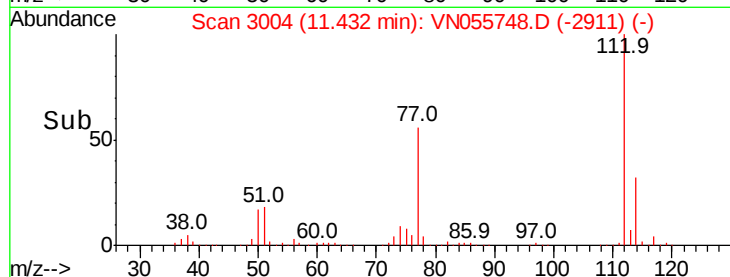
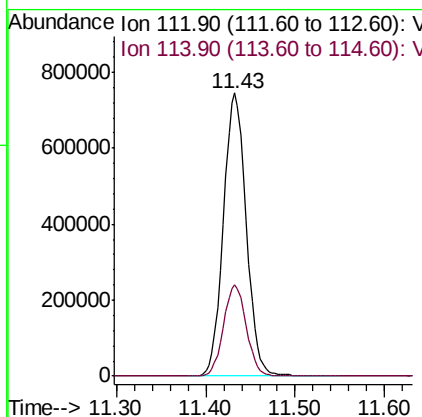
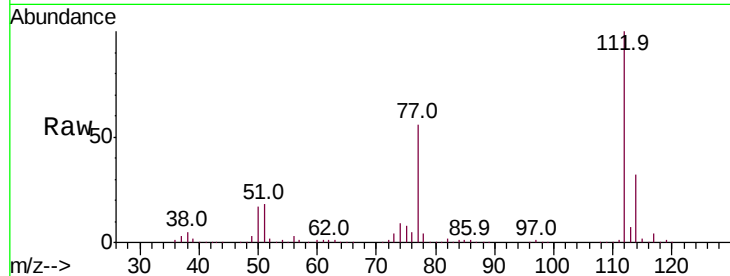
#65
Chlorobenzene
Concen: 143.205 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1320037
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

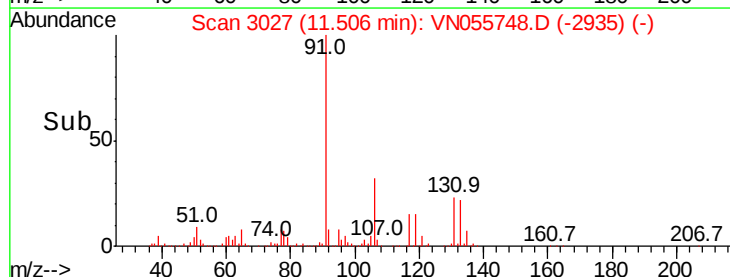
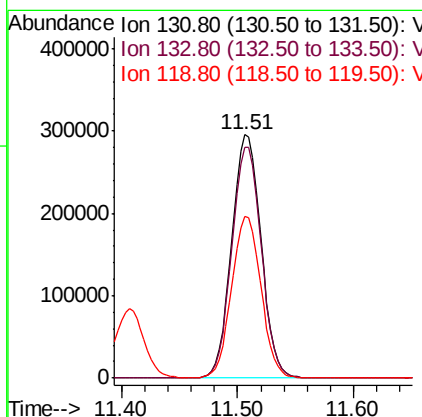
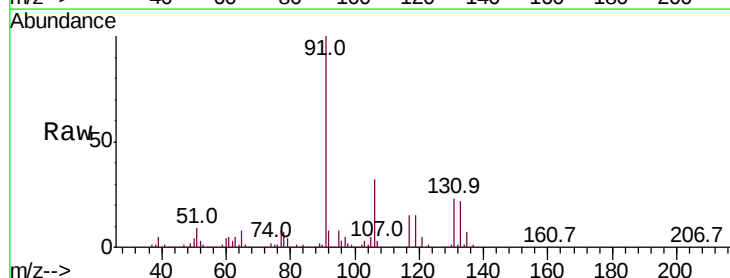
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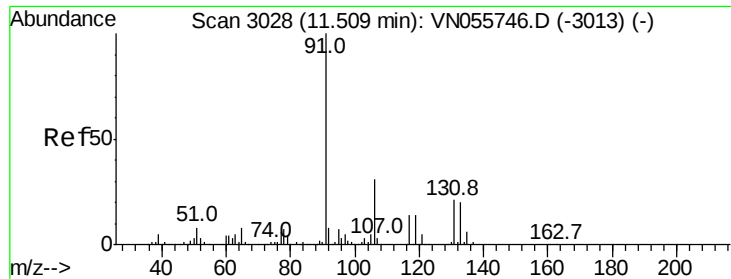
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#66
1,1,1,2-Tetrachloroethane
Concen: 140.055 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:131 Resp: 518765
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 66.4 33.1 99.5





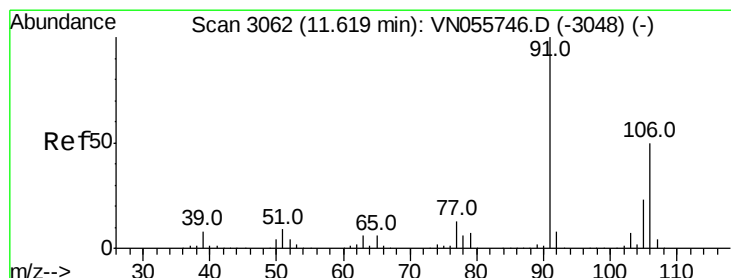
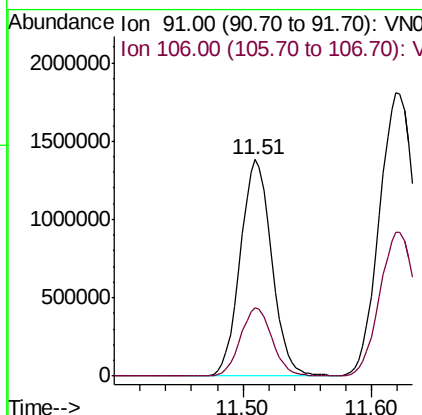
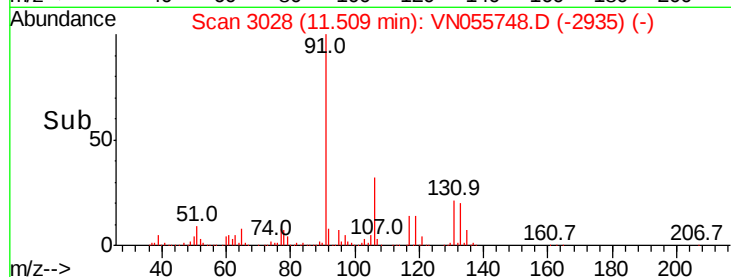
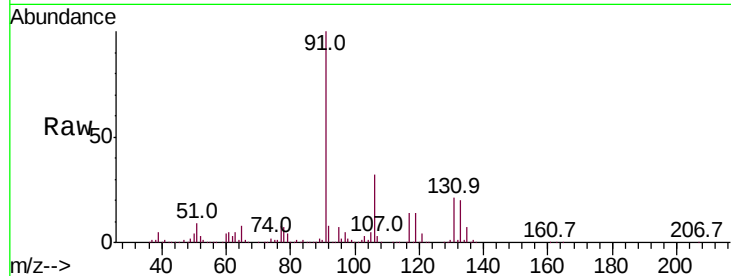
#67
Ethyl Benzene
Concen: 142.626 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2347836
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7

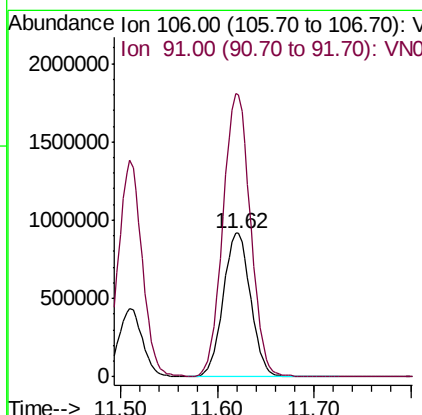
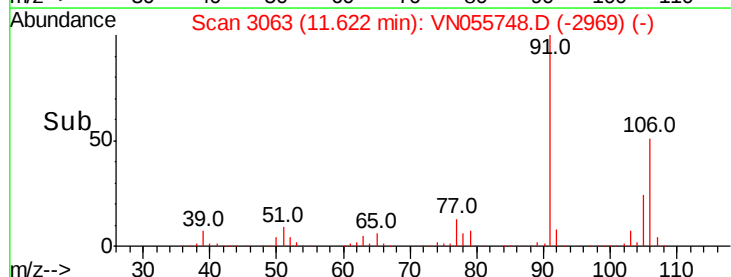
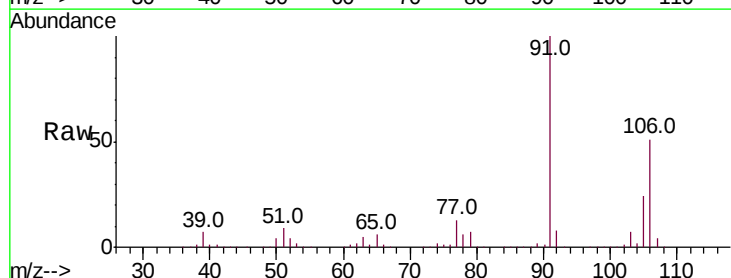
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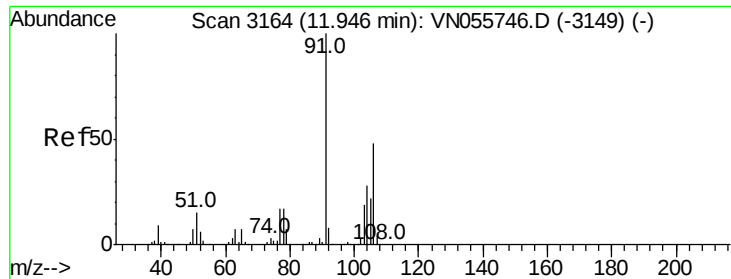
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#68
m/p-Xylenes
Concen: 290.292 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 106 Resp: 1804847
Ion Ratio Lower Upper
106 100
91 197.9 159.3 238.9





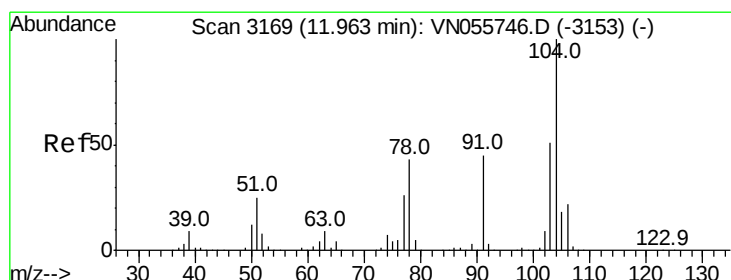
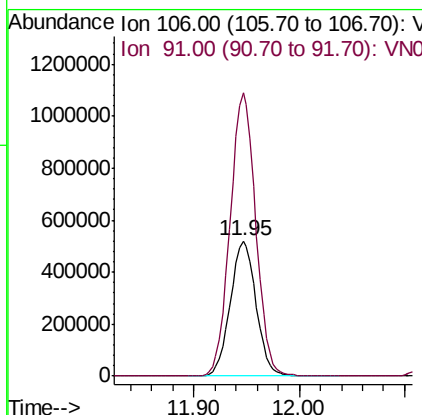
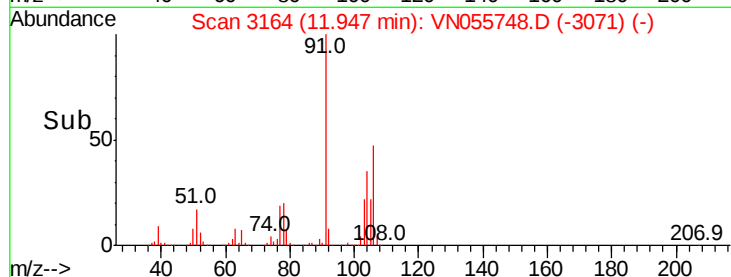
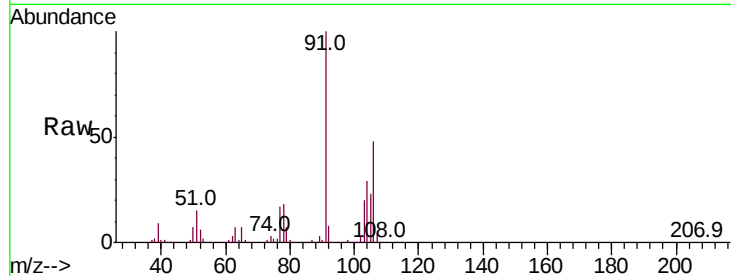
#69
o-Xylene
Concen: 143.752 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 876872
Ion Ratio Lower Upper
106 100
91 208.6 104.7 314.1

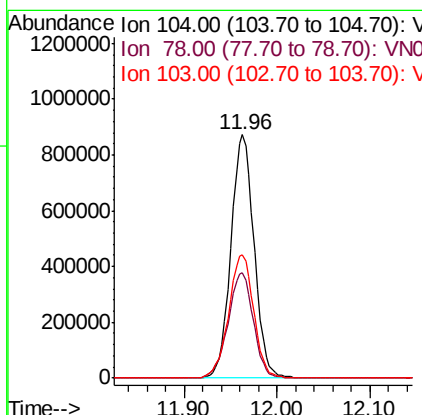
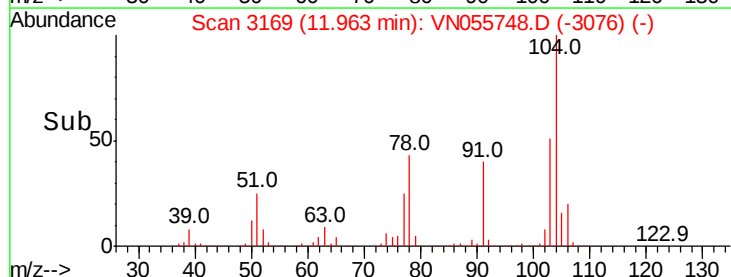
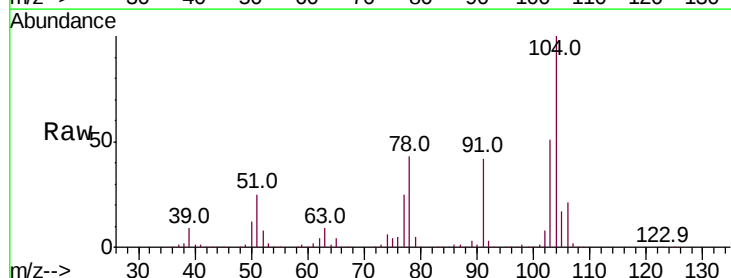
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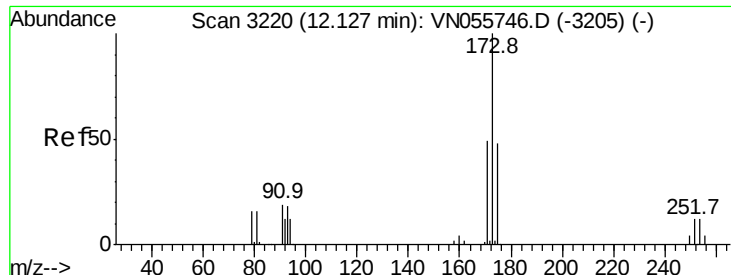
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#70
Styrene
Concen: 149.115 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion:104 Resp: 1508266
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 54.9 44.2 66.2





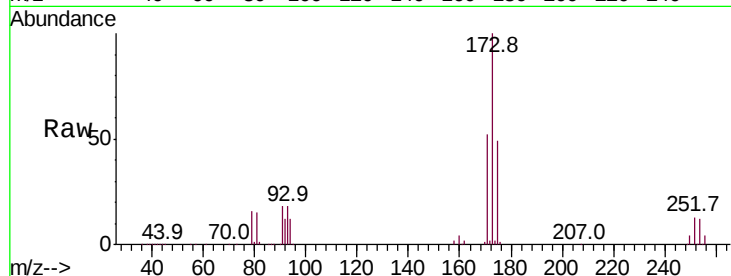
#71
Bromoform
Concen: 148.776 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

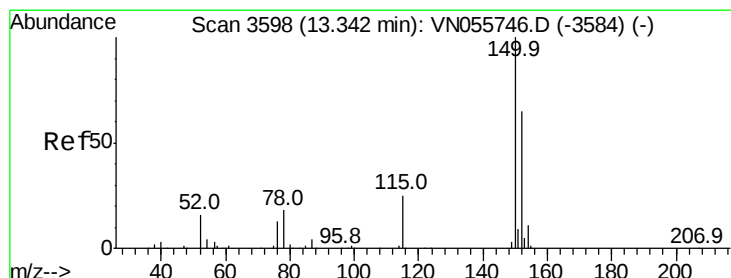
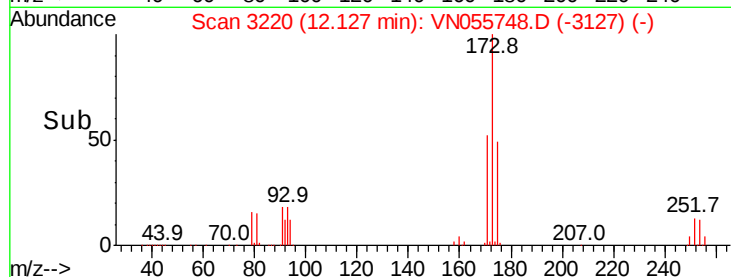
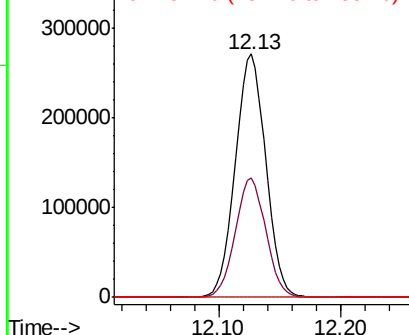
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.1	0.0	0.0

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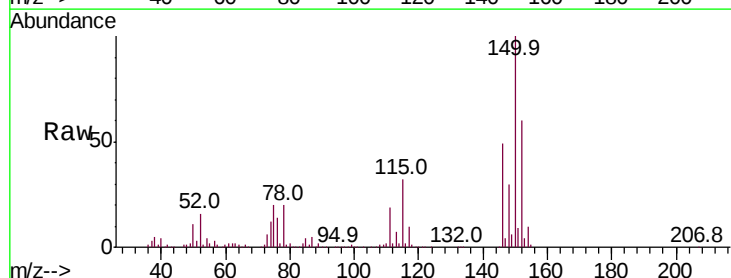


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

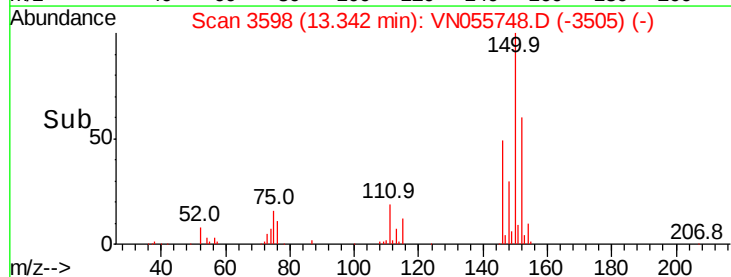
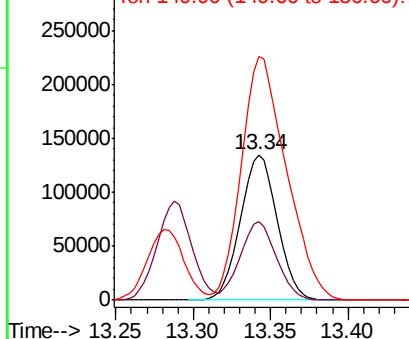


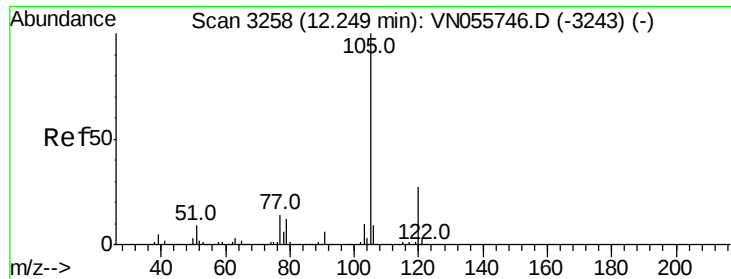
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.0	27.0	81.0
150	205.5	0.0	343.2



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: 125.577 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2285039

Ion Ratio Lower Upper

105 100

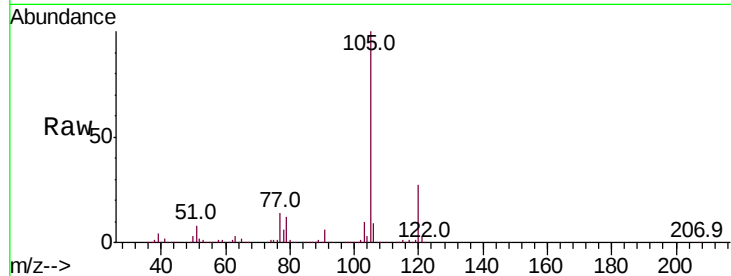
120 27.0 13.6 40.7

Manual Integrations

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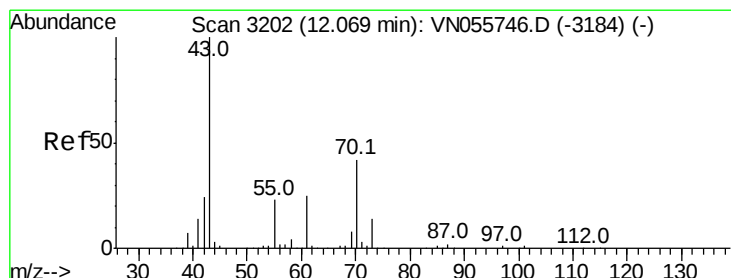
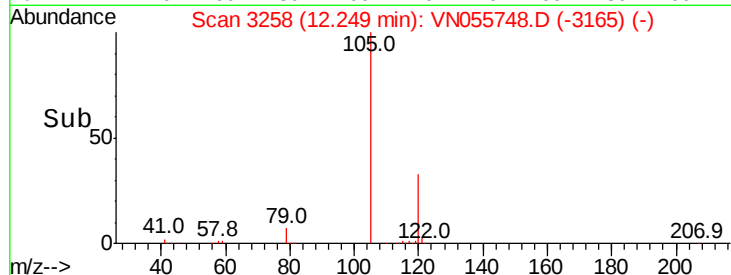
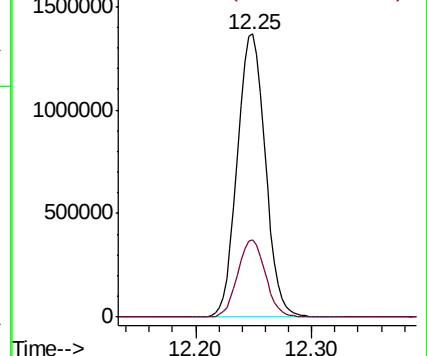
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 138.565 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion: 43 Resp: 867895

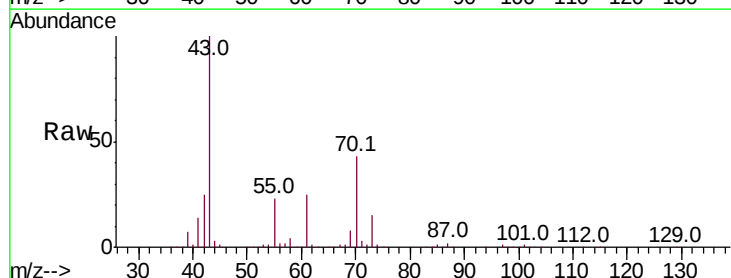
Ion Ratio Lower Upper

43 100

70 42.8 34.0 51.0

55 23.5 18.6 28.0

61 25.3 20.0 30.0

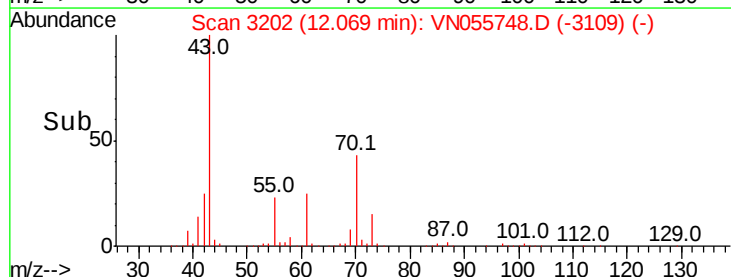
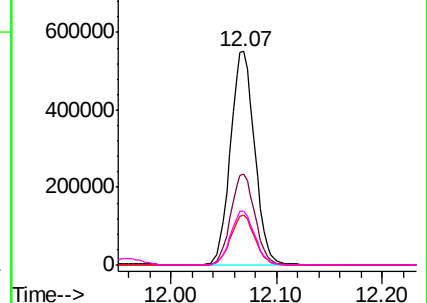


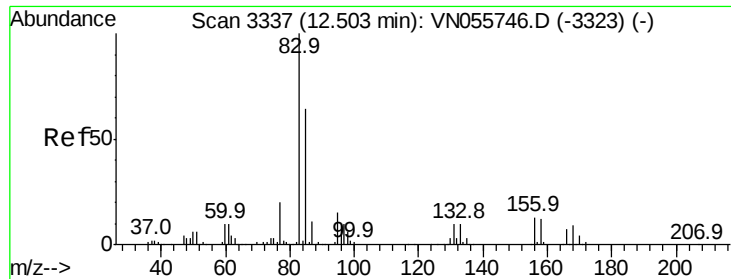
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 118.444 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

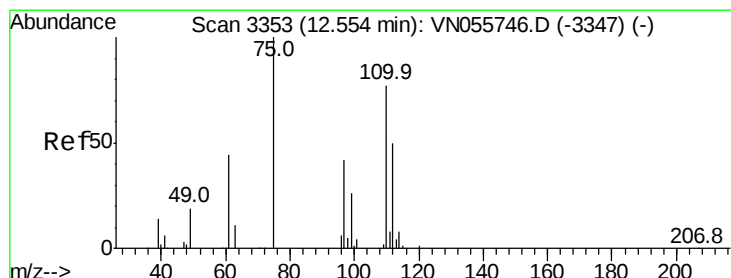
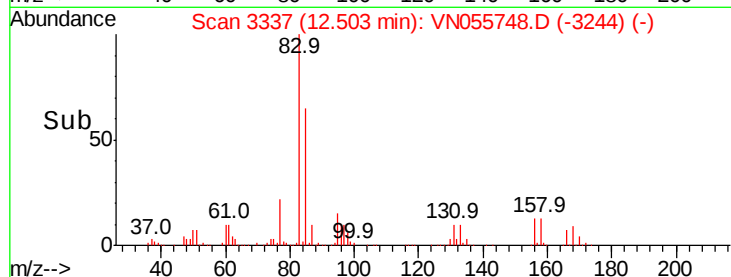
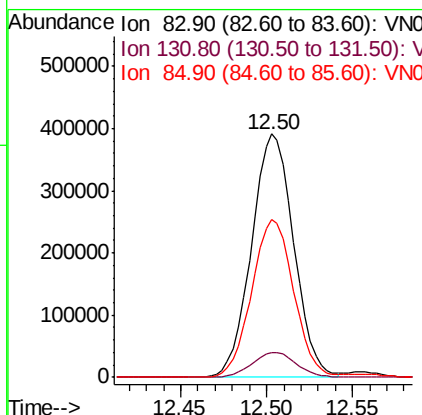
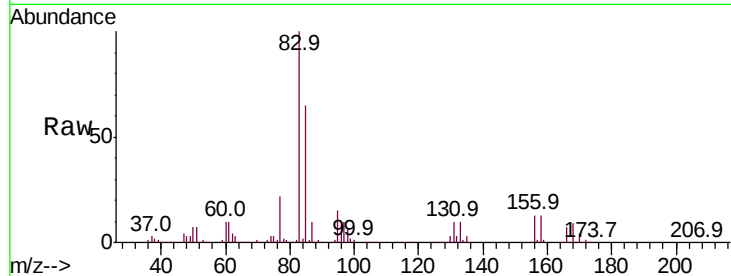
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	663610
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	64.8	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 118.798 ug/l m

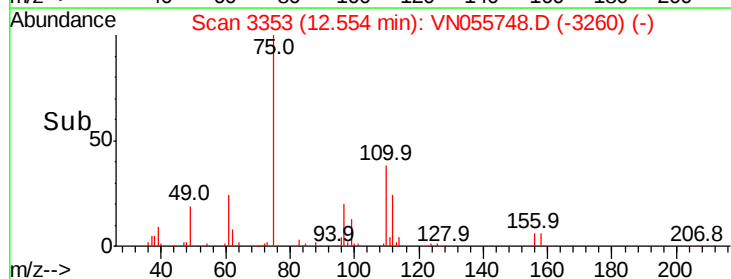
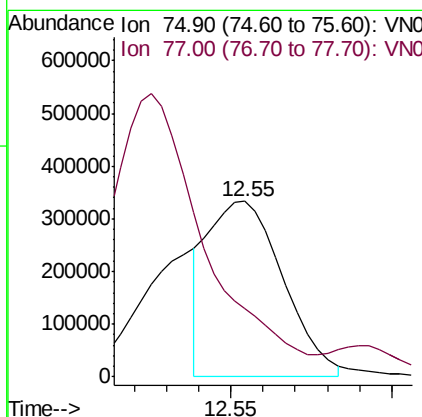
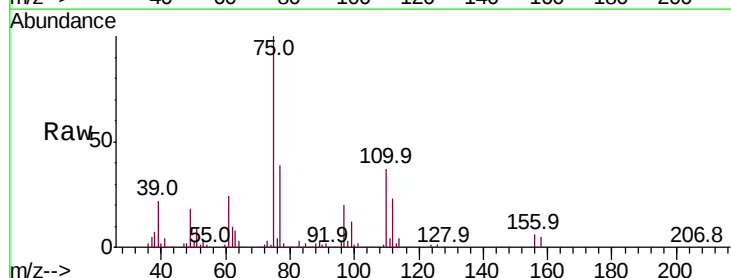
RT: 12.55 min Scan# 3353

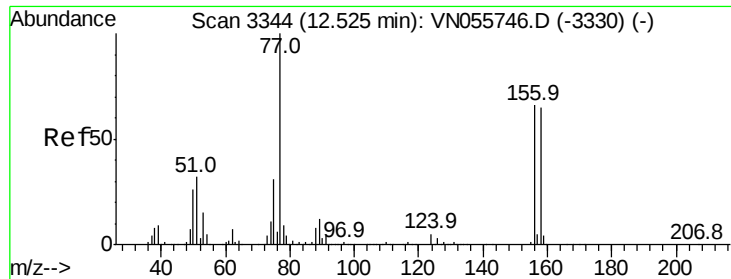
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	75	Resp:	545236
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





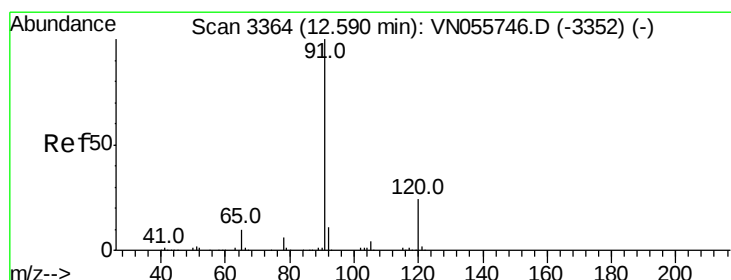
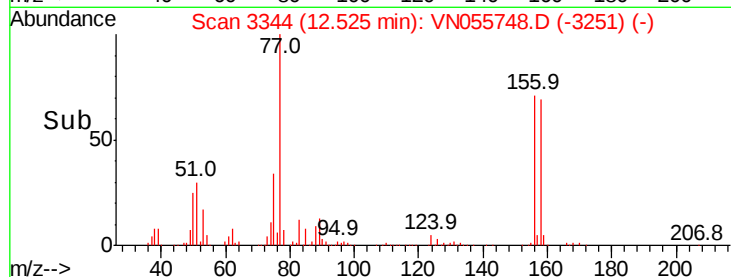
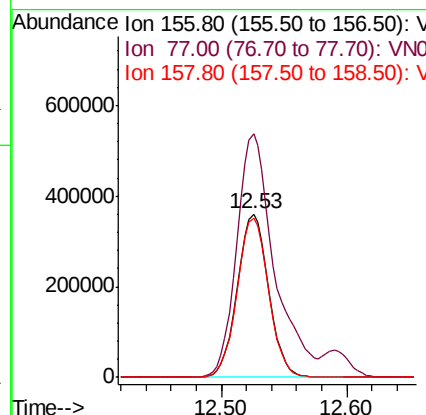
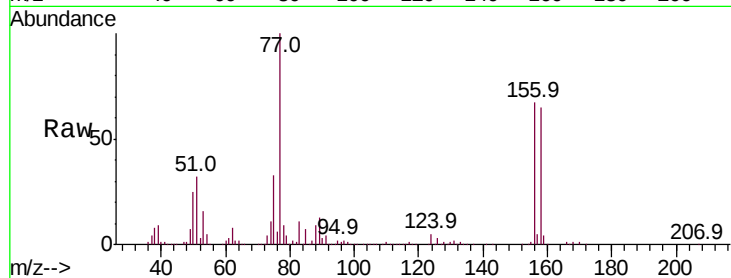
#77
Bromobenzene
Concen: 135.612 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.7	90.8	272.5
158	98.0	49.3	147.8

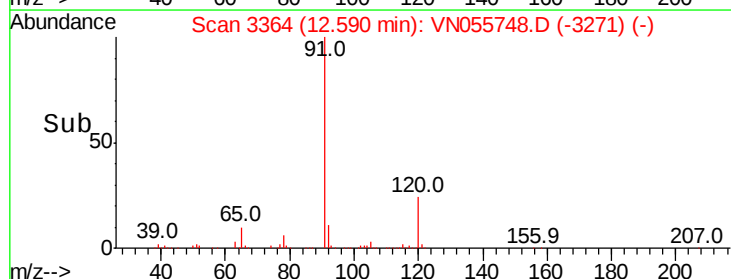
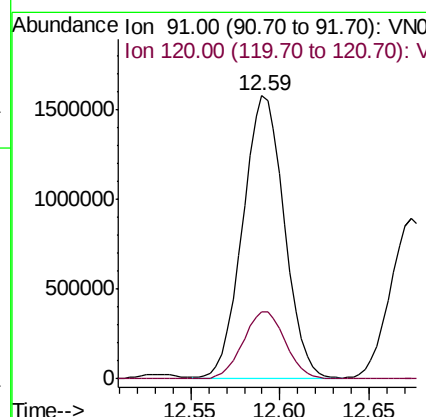
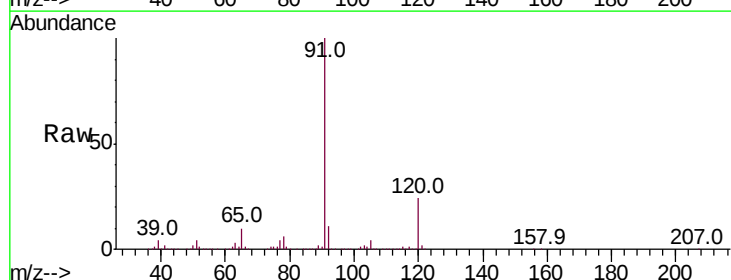
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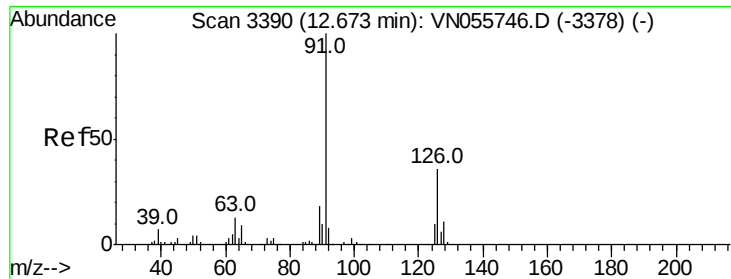
MMDadoda
5/24/2019 9:22:15 AM



#78
n-propylbenzene
Concen: 129.096 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.0	36.0





#79

2-Chlorotoluene

Concen: 124.728 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1498493

Ion Ratio Lower Upper

91 100

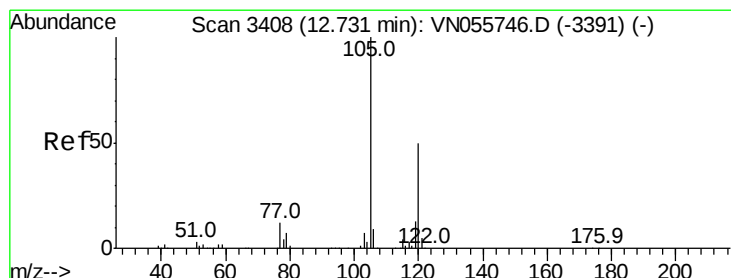
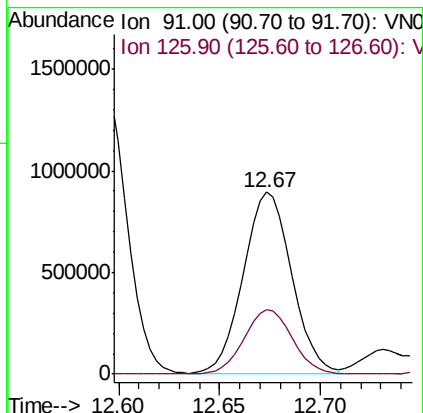
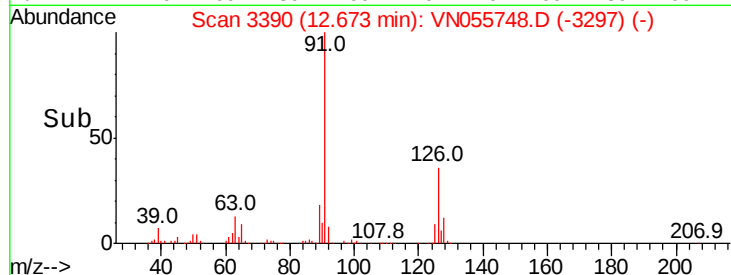
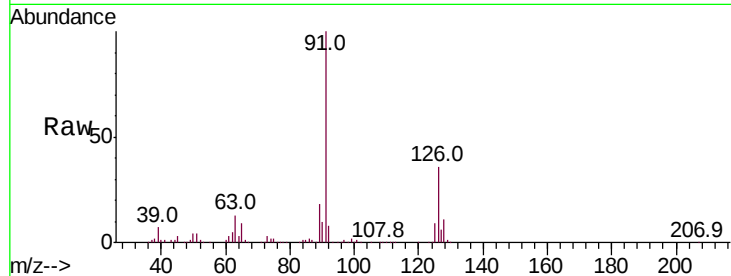
126 35.9 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 125.426 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055748.D

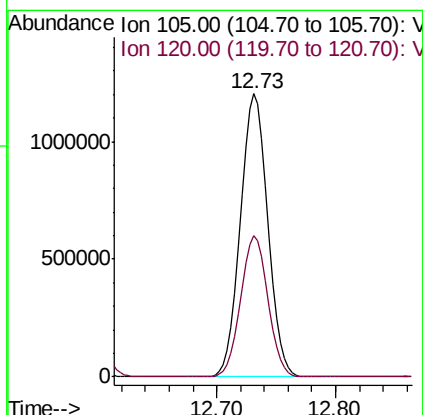
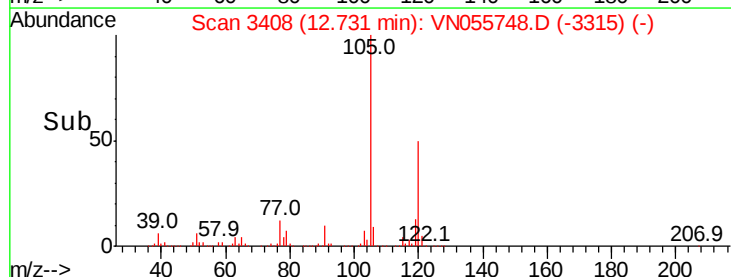
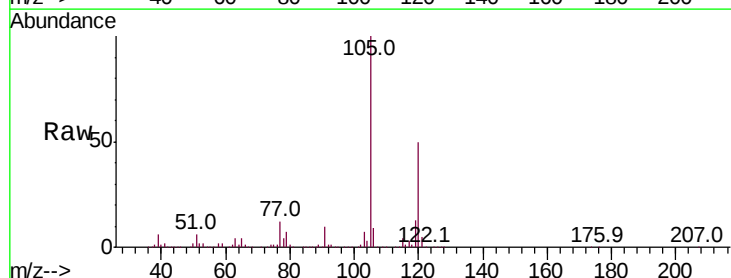
Acq: 23 May 2019 11:25

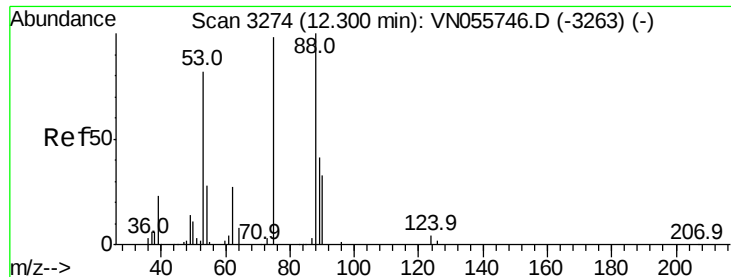
Tgt Ion:105 Resp: 1916821

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 133.251 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

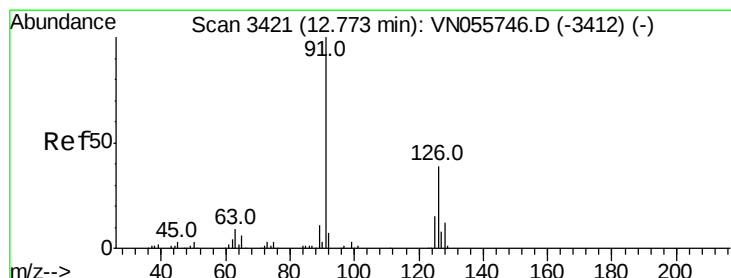
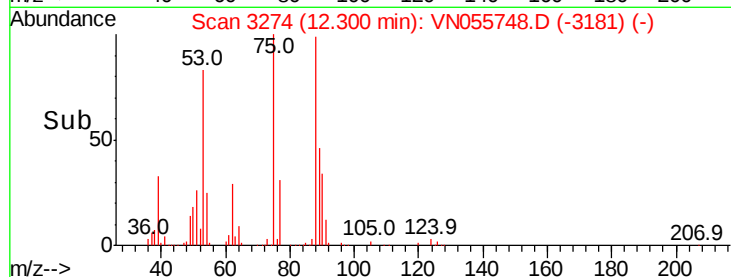
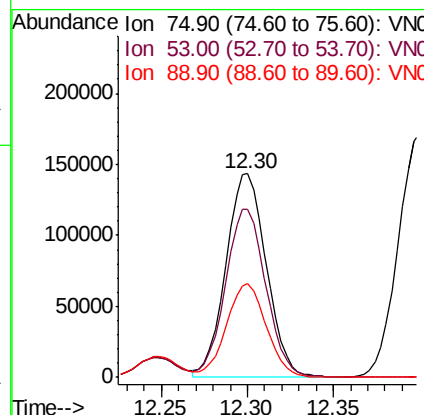
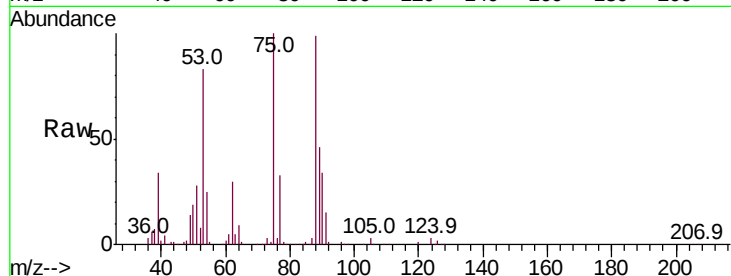
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	232694
Ion	Ratio	Lower	Upper
75	100		
53	83.6	68.1	102.1
89	46.1	36.9	55.3

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#82

4-Chlorotoluene

Concen: 131.693 ug/l

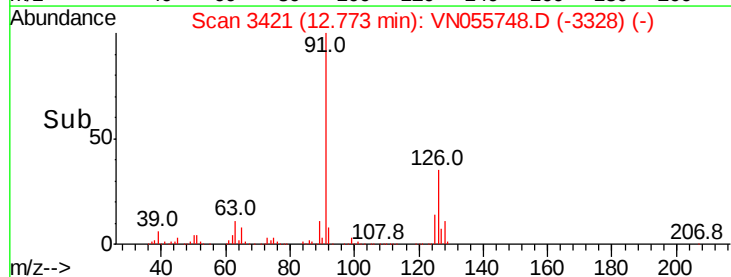
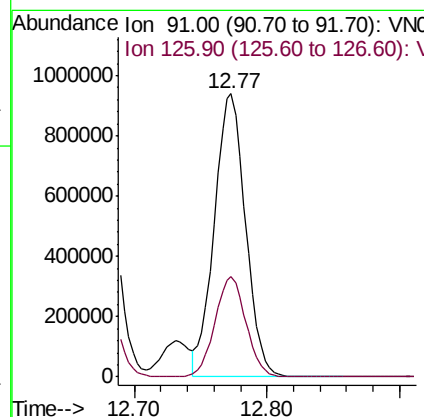
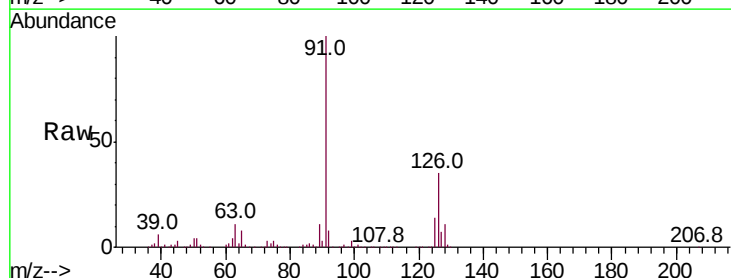
RT: 12.77 min Scan# 3421

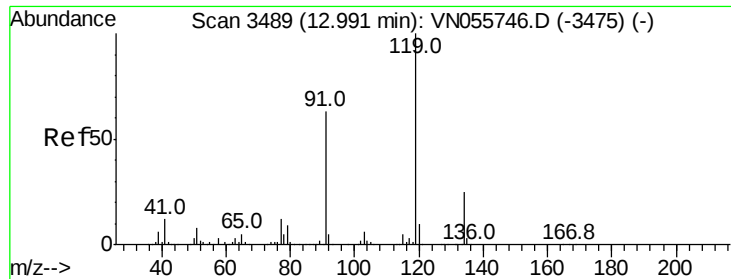
Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	91	Resp:	1531263
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.3





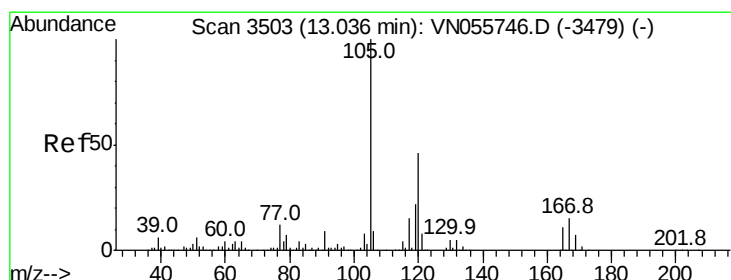
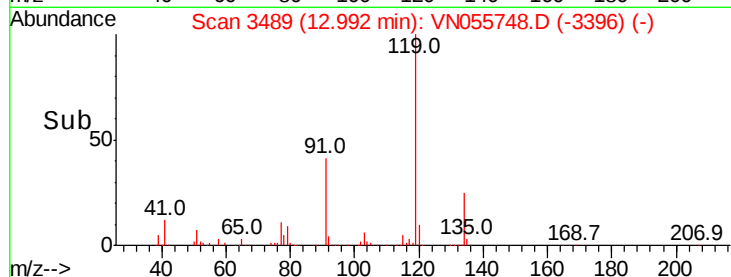
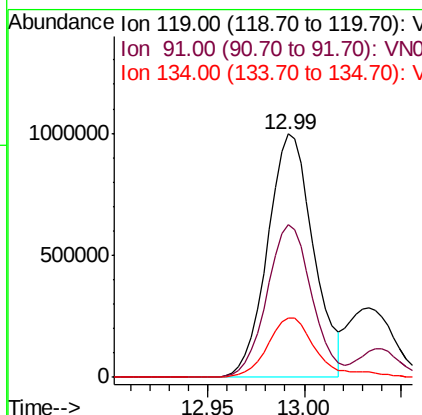
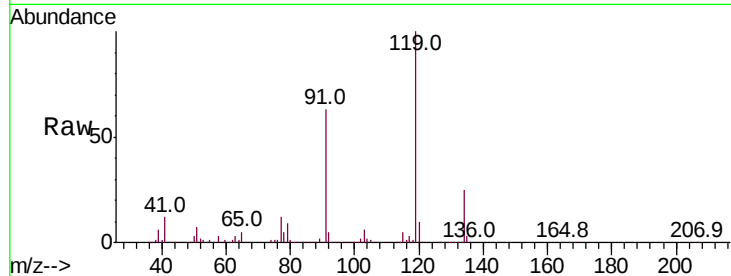
#83
tert-Butylbenzene
Concen: 122.667 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.9	92.8
134	26.2	13.3	39.8

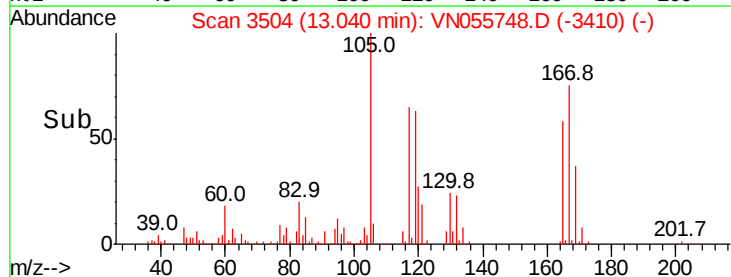
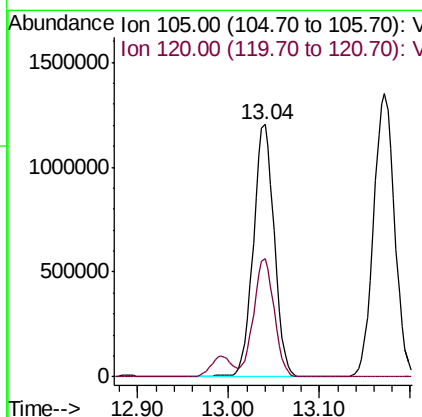
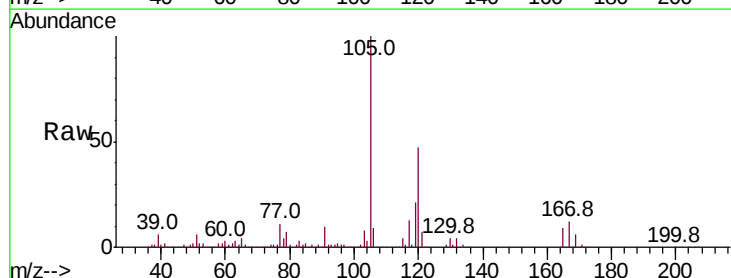
Manual Integrations
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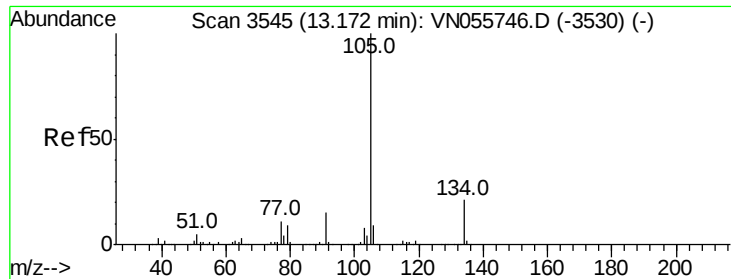
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#84
1,2,4-Trimethylbenzene
Concen: 127.522 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.0	69.0





#85

sec-Butylbenzene

Concen: 126.957 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2161716

Ion Ratio Lower Upper

105 100

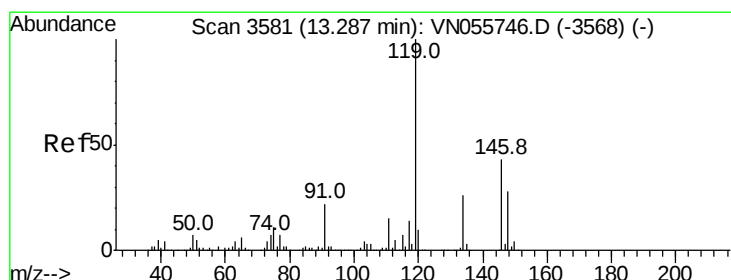
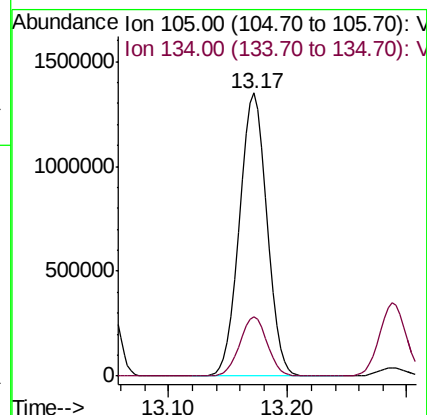
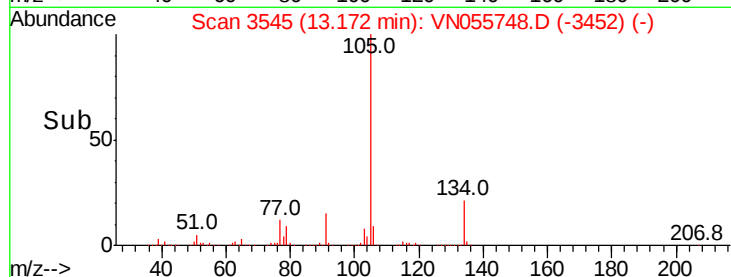
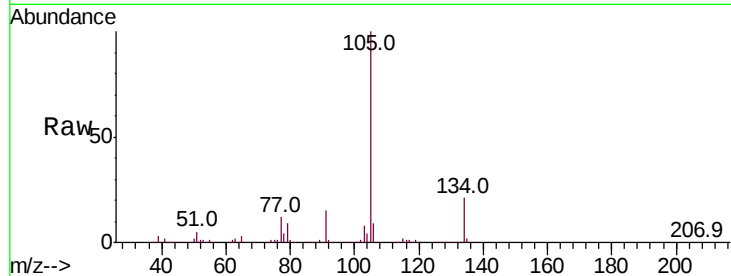
134 21.0 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 129.602 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

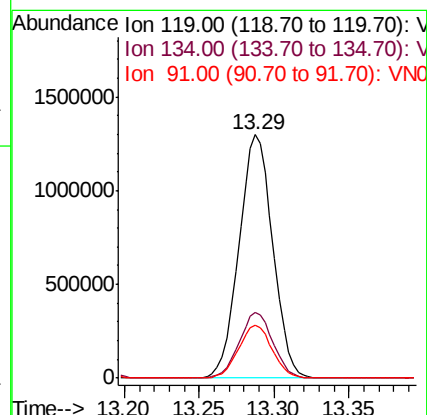
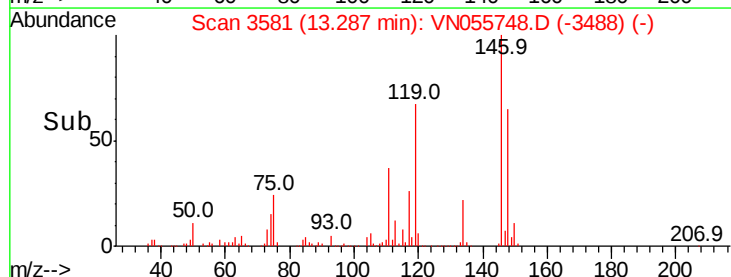
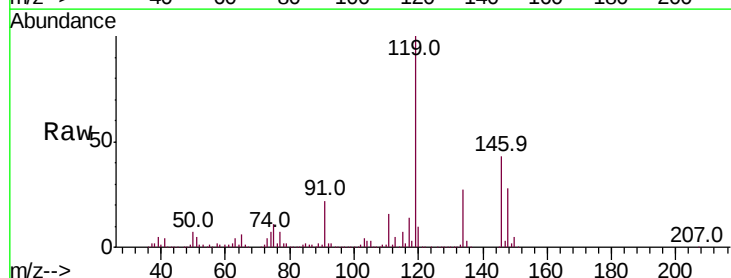
Tgt Ion:119 Resp: 2028334

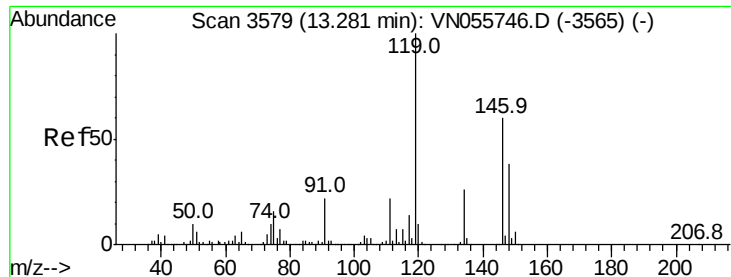
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 21.8 10.9 32.9





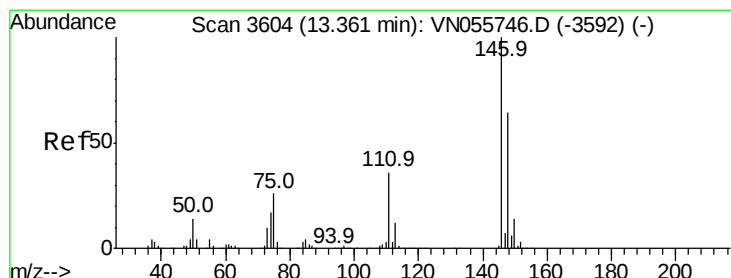
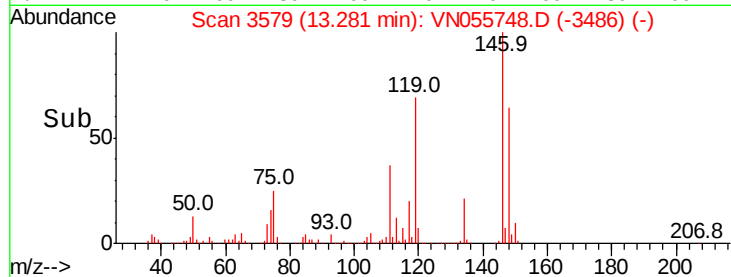
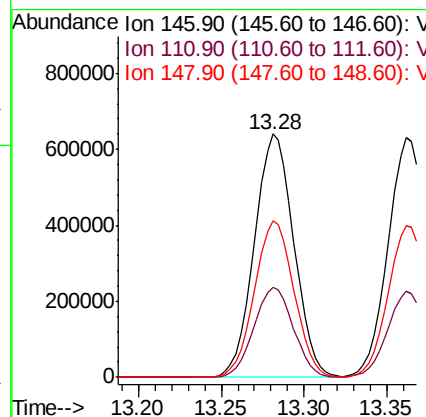
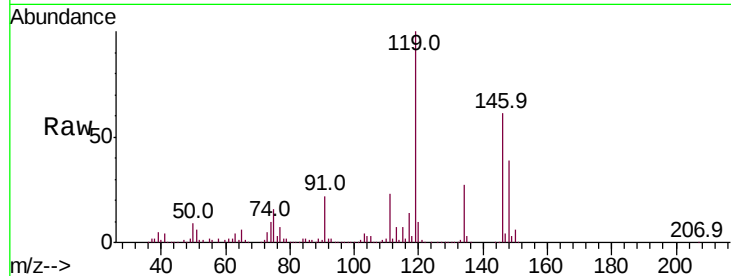
#87
 1,3-Dichlorobenzene
 Concen: 139.766 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	64.4	32.0	96.2

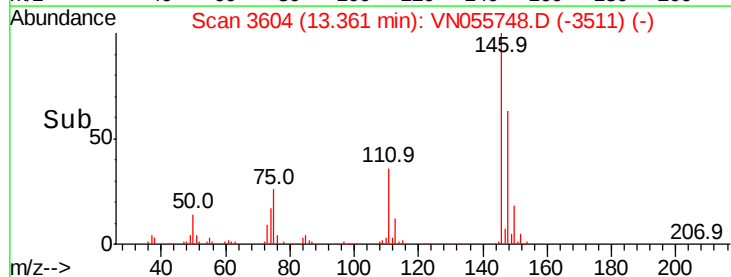
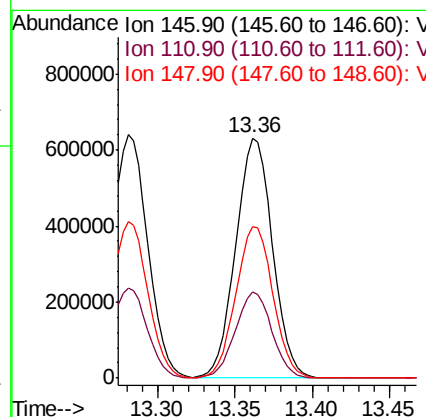
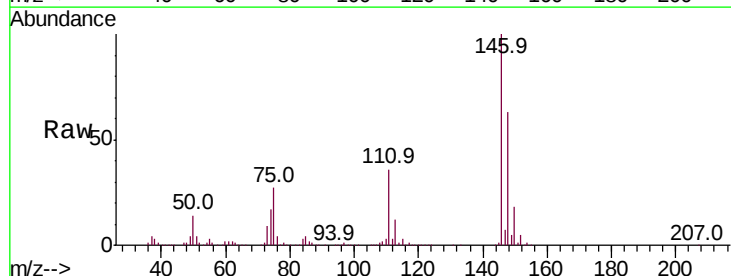
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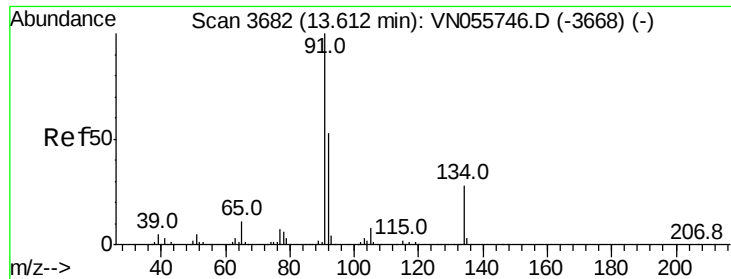
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#88
 1,4-Dichlorobenzene
 Concen: 144.525 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.4
148	64.0	32.1	96.5





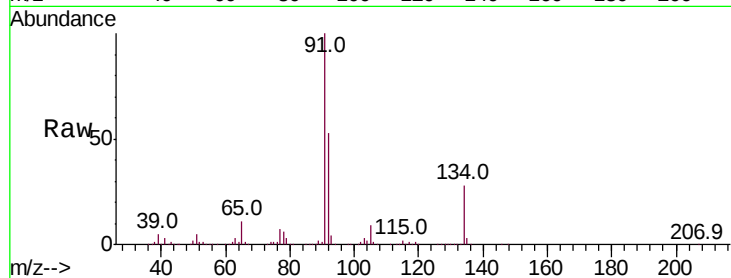
#89
n-Butylbenzene
Concen: 139.062 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

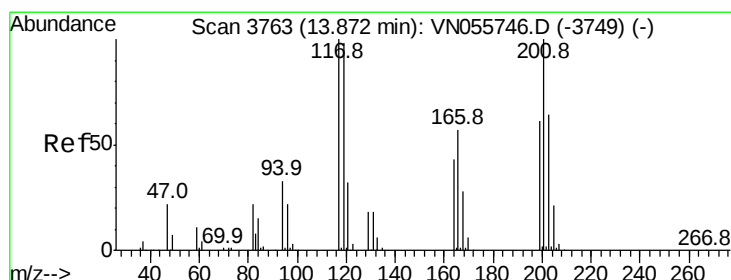
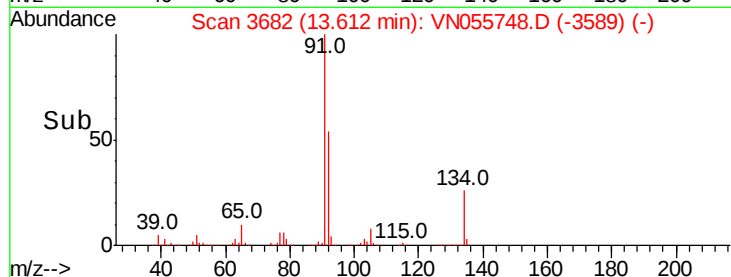
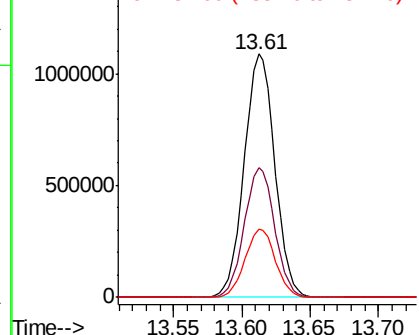
Tot Ion: 91 Resp: 1690749
Ion Ratio Lower Upper
91 100
92 53.0 26.4 79.0
134 27.9 13.9 41.7

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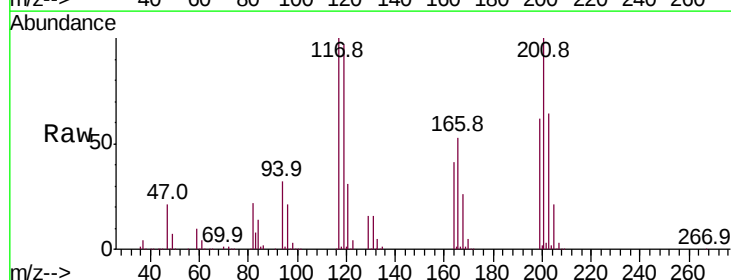


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

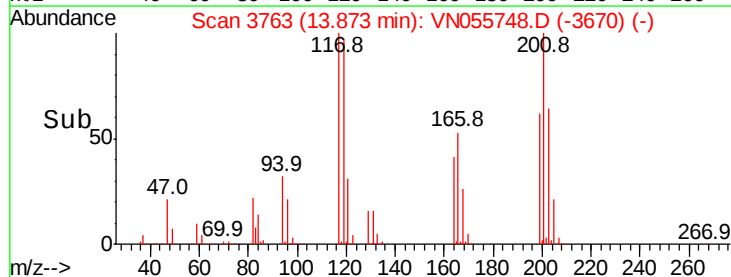
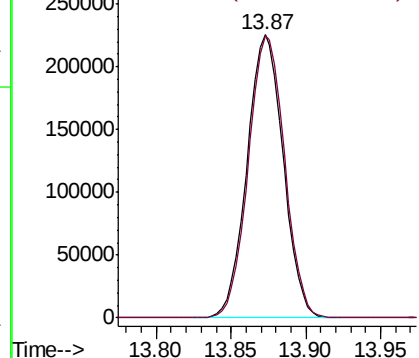


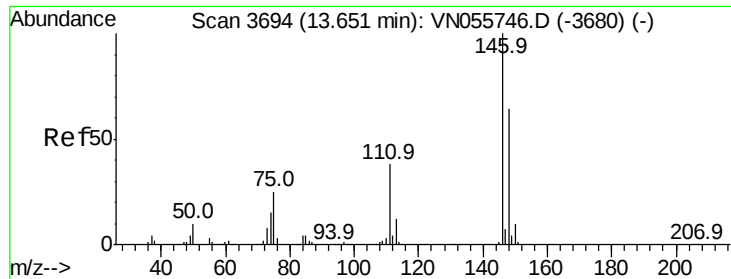
#90
Hexachloroethane
Concen: 127.068 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055748.D
Acq: 23 May 2019 11:25

Tgt Ion: 117 Resp: 379615
Ion Ratio Lower Upper
117 100
201 100.0 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 136.528 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1029286

Ion Ratio Lower Upper

146 100

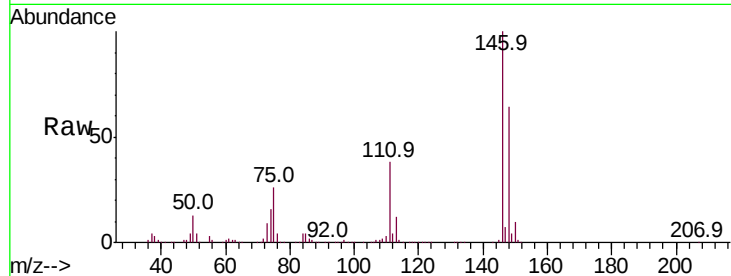
111 38.4 19.1 57.5

148 64.2 31.9 95.9

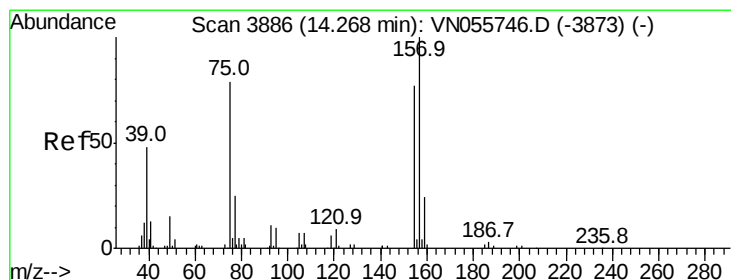
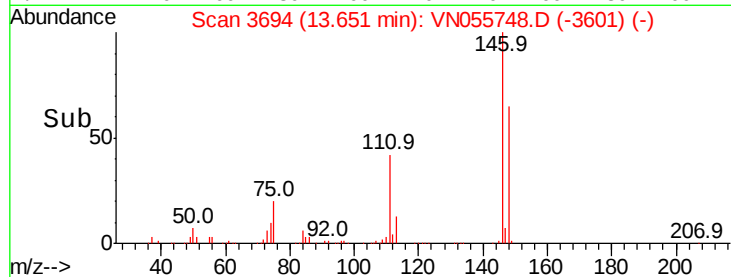
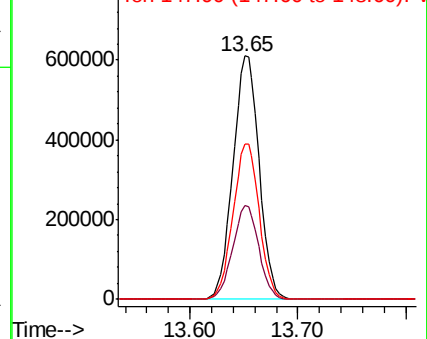
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 137.532 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

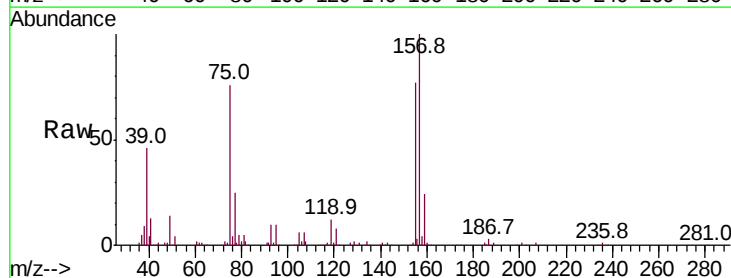
Tgt Ion: 75 Resp: 137096

Ion Ratio Lower Upper

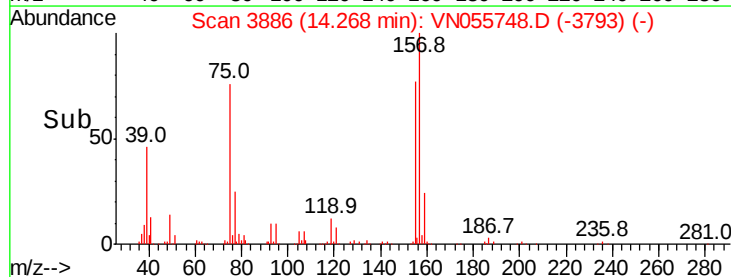
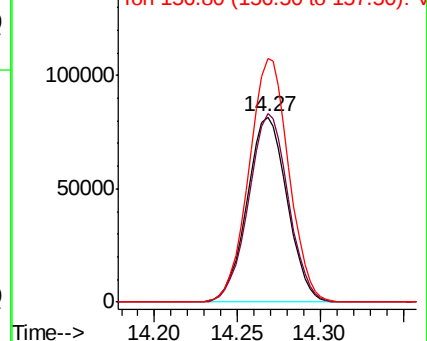
75 100

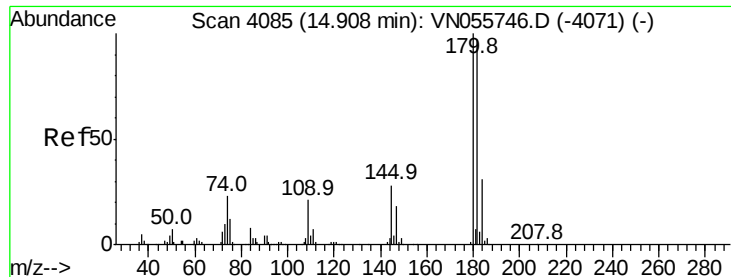
155 100.8 50.0 150.1

157 131.0 64.8 194.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





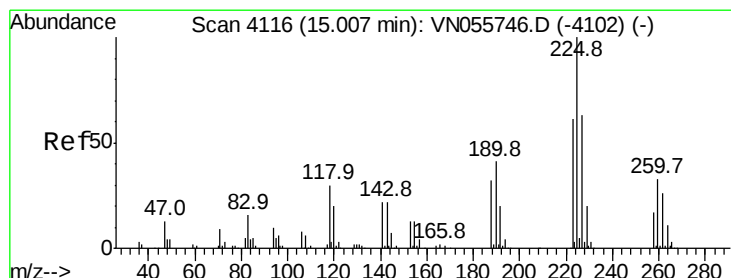
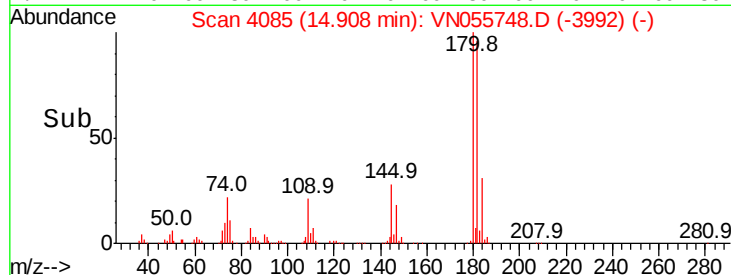
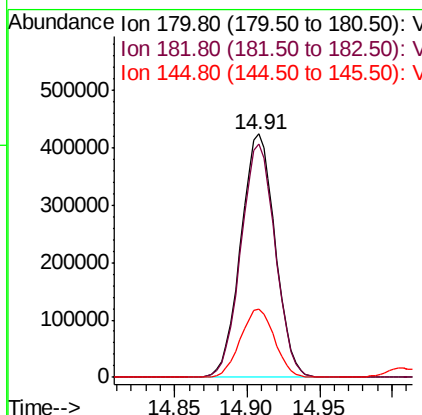
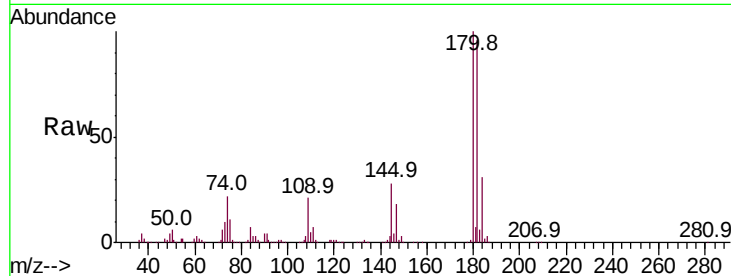
#93
 1,2,4-Trichlorobenzene
 Concen: 184.922 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	699365		
182	95.7	48.3	144.9	
145	28.0	14.0	41.9	

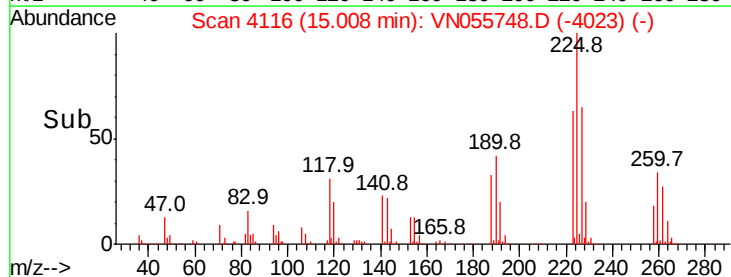
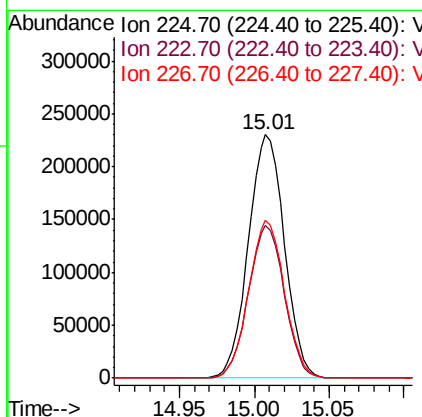
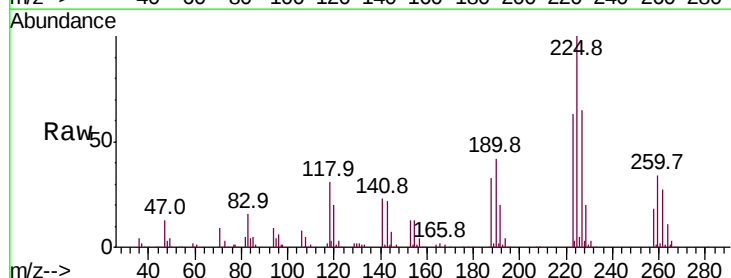
Manual Integrations
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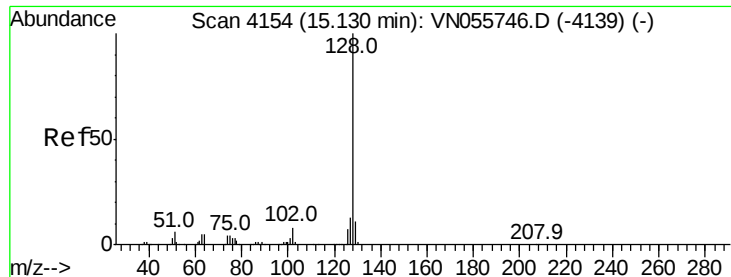
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#94
 Hexachlorobutadiene
 Concen: 144.126 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055748.D
 Acq: 23 May 2019 11:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	386618		
223	62.2	30.9	92.7	
227	64.2	31.6	94.7	





#95

Naphthalene

Concen: 178.396 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Instrument :

MSVOA_N

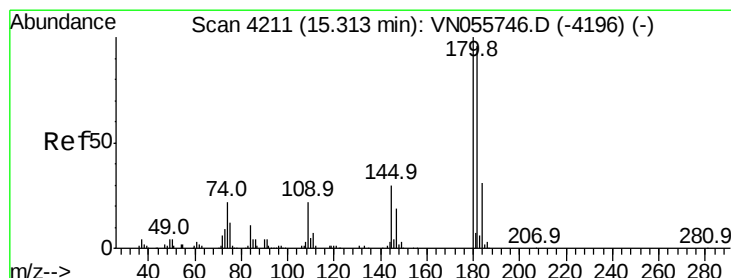
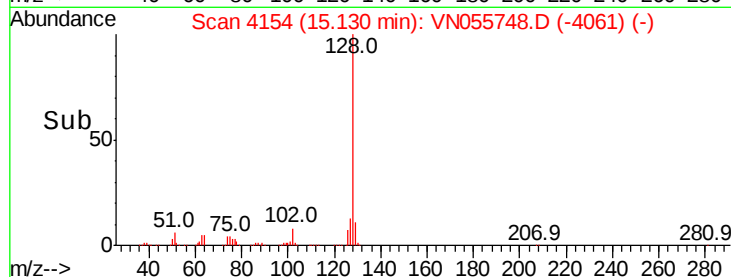
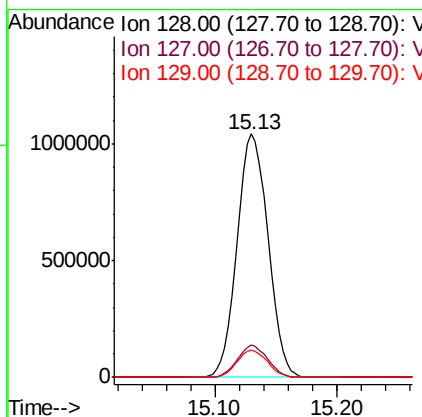
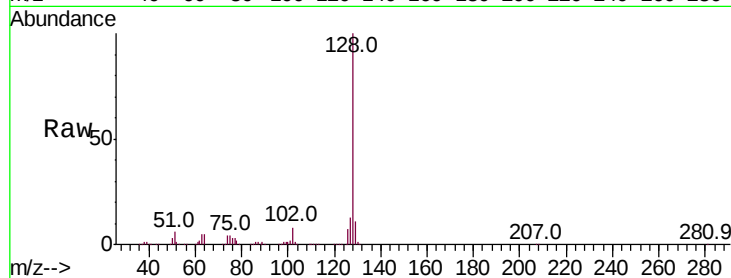
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	1825471
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 173.506 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055748.D

Acq: 23 May 2019 11:25

Tgt Ion:	180	Resp:	692165
Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.9	143.7
145	29.6	14.9	44.7

