

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054545.D
 Acq On : 22 Mar 2019 7:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:17:03 PM

Quant Time: Mar 22 11:07:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	460600	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	788609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	679213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	297936	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	324966	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
35) Dibromofluoromethane	7.59	113	255958	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.09	98	951843	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	319738	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	228936	51.993	ug/l	99
3) Chloromethane	2.06	50	321711	53.699	ug/l	99
4) Vinyl Chloride	2.19	62	315181	52.400	ug/l	97
5) Bromomethane	2.57	94	166141	42.717	ug/l	95
6) Chloroethane	2.71	64	175762	48.718	ug/l	98
7) Trichlorofluoromethane	3.02	101	372184	50.952	ug/l	99
8) Diethyl Ether	3.41	74	134527	47.886	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	188211	43.842	ug/l	95
10) Methyl Iodide	3.94	142	294017	46.559	ug/l #	90
11) Tert butyl alcohol	4.82	59	100450	289.603	ug/l	98
12) 1,1-Dichloroethene	3.73	96	206271	46.430	ug/l #	80
13) Acrolein	3.61	56	118318	247.185	ug/l	96
14) Allyl chloride	4.32	41	439603	52.548	ug/l #	91
15) Acrylonitrile	5.00	53	517902	299.833	ug/l	100
16) Acetone	3.82	43	389373	226.056	ug/l #	83
17) Carbon Disulfide	4.04	76	575587	48.354	ug/l	100
18) Methyl Acetate	4.33	43	230078	59.929	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	721356	55.636	ug/l	93
20) Methylene Chloride	4.54	84	267431	52.670	ug/l #	84
21) trans-1,2-Dichloroethene	5.03	96	249795	55.064	ug/l #	84
22) Diisopropyl ether	5.96	45	965695	58.522	ug/l #	95
23) Vinyl Acetate	5.90	43	3503499	300.616	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	507953	57.170	ug/l	98
25) 2-Butanone	6.85	43	650525	294.826	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	212461	33.545	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	293397	54.223	ug/l	92
28) Bromochloromethane	7.19	49	260262	59.511	ug/l #	74
29) Tetrahydrofuran	7.22	42	443376	309.651	ug/l #	85
30) Chloroform	7.37	83	487980	56.278	ug/l	99
31) Cyclohexane	7.65	56	457665	53.902	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	403822	56.451	ug/l	96
36) 1,1-Dichloropropene	7.79	75	362312	49.137	ug/l	96
37) Ethyl Acetate	6.94	43	287438	54.809	ug/l	96
38) Carbon Tetrachloride	7.77	117	346570	48.367	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	385423	45.696	ug/l #	88
40) Benzene	8.04	78	1090623	51.725	ug/l	99
41) Methacrylonitrile	7.17	41	162425	50.785	ug/l	89
42) 1,2-Dichloroethane	8.13	62	397739	51.798	ug/l	97
43) Isopropyl Acetate	8.17	43	498912	56.330	ug/l #	94
44) Trichloroethene	8.83	130	284234	48.487	ug/l	94
45) 1,2-Dichloropropane	9.12	63	304482	53.778	ug/l	99
46) Dibromomethane	9.21	93	178672	52.898	ug/l	90
47) Bromodichloromethane	9.40	83	373446	53.274	ug/l	96
48) Methyl methacrylate	9.20	41	260442	54.178	ug/l	89
49) 1,4-Dioxane	9.20	88	56019	1042.373	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	1425015	290.313	ug/l	93
52) Toluene	10.16	92	644378	49.689	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	335118	45.528	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	402615	50.092	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	243295	52.191	ug/l	96
56) Ethyl methacrylate	10.43	69	346695	55.410	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	427869	52.801	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	713987	277.122	ug/l	90
59) 2-Hexanone	10.75	43	887018	276.657	ug/l	92
60) Dibromochloromethane	10.90	129	259625	52.339	ug/l	99
61) 1,2-Dibromoethane	11.01	107	241664	52.438	ug/l	100
64) Tetrachloroethene	10.63	164	273895	48.616	ug/l	96
65) Chlorobenzene	11.43	112	683583	49.483	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	259901	52.416	ug/l	98
67) Ethyl Benzene	11.51	91	1208493	49.524	ug/l	98
68) m/p-Xylenes	11.62	106	903189	97.717	ug/l	97
69) o-Xylene	11.95	106	445116	49.311	ug/l	97
70) Styrene	11.96	104	738457	50.377	ug/l	97
71) Bromoform	12.13	173	160380	47.053	ug/l	100
73) Isopropylbenzene	12.25	105	1156755	48.181	ug/l	99
74) N-amyl acetate	12.07	43	401978	58.230	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	299039	54.564	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	251032m	53.097	ug/l	
77) Bromobenzene	12.53	156	291146	48.896	ug/l	87
78) n-propylbenzene	12.59	91	1262768	48.505	ug/l	97
79) 2-Chlorotoluene	12.67	91	775591	47.774	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	952919	48.428	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	58355	43.023	ug/l #	84
82) 4-Chlorotoluene	12.77	91	771223	49.009	ug/l	96
83) tert-Butylbenzene	12.99	119	828913	48.396	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	943464	48.866	ug/l	98
85) sec-Butylbenzene	13.17	105	1036723	48.556	ug/l	97
86) p-Isopropyltoluene	13.29	119	914636	47.882	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	473033	47.939	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	459461	47.858	ug/l	98
89) n-Butylbenzene	13.61	91	726530	48.642	ug/l	98
90) Hexachloroethane	13.87	117	157339	53.064	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	471932	49.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44362	55.186	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	241037	50.591	ug/l	99
94) Hexachlorobutadiene	15.01	225	132864	49.615	ug/l	100
95) Naphthalene	15.13	128	569702	53.607	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	244598	51.582	ug/l	99

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

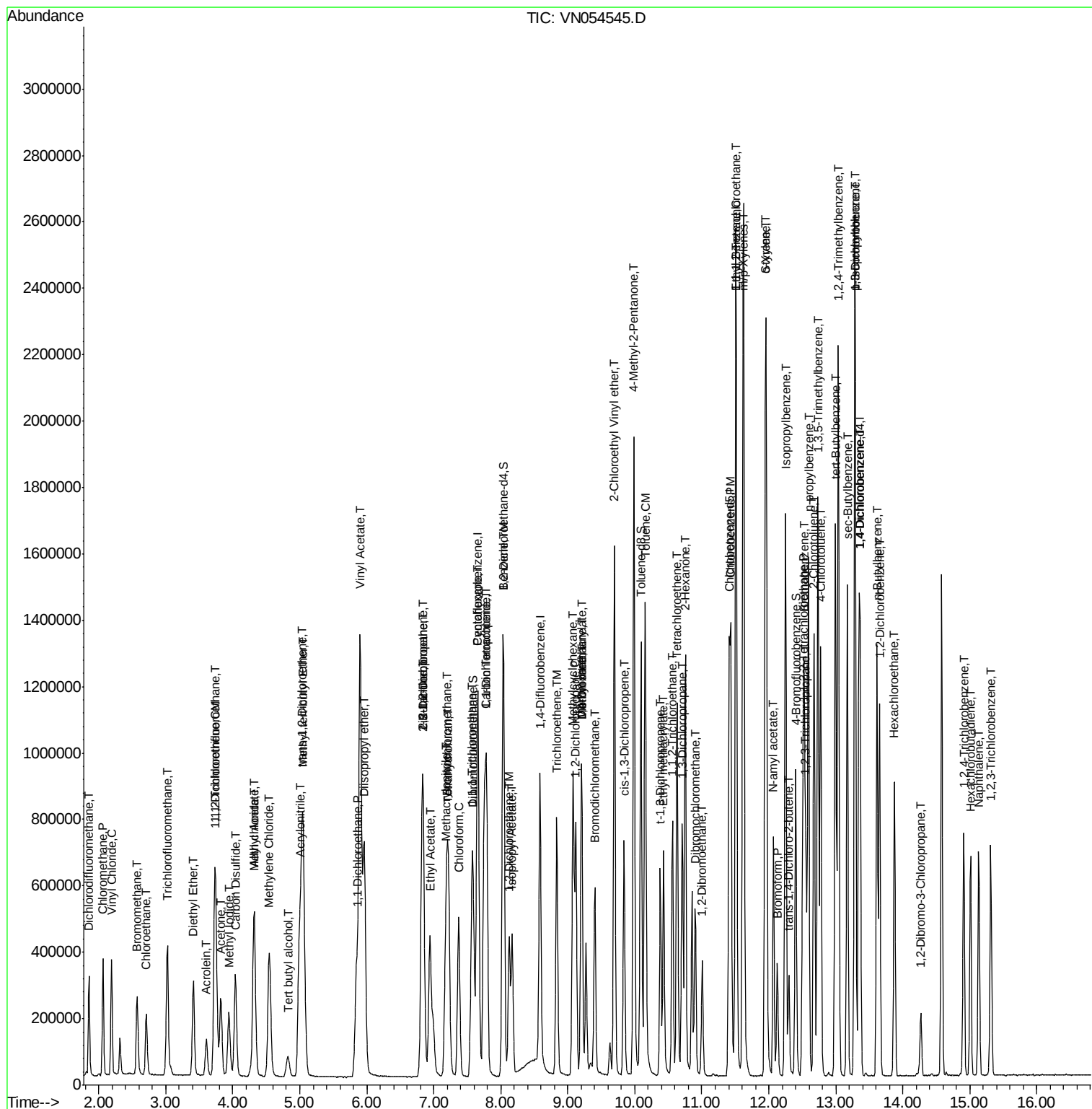
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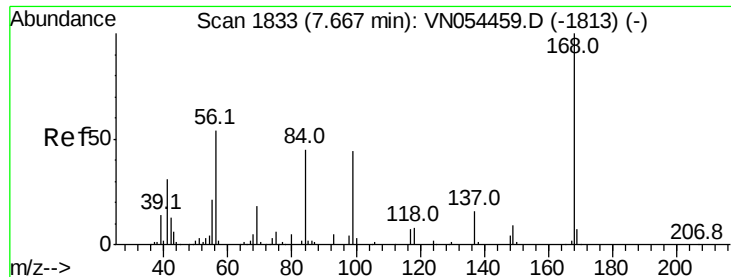
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 460600

Ion Ratio Lower Upper

168 100

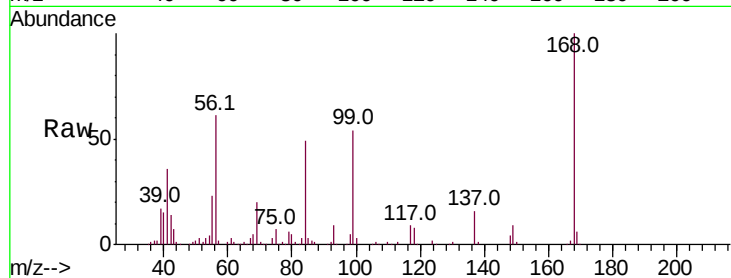
99 52.5 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

200000

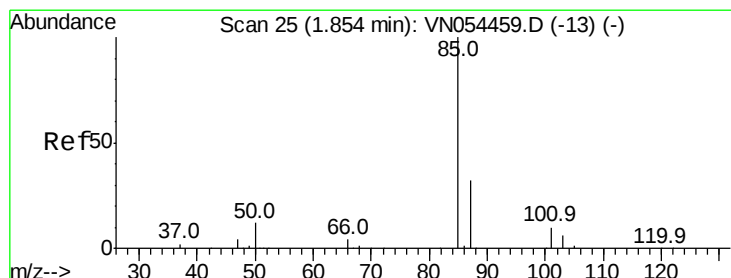
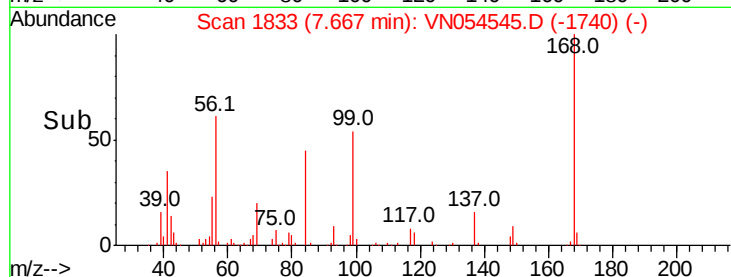
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 51.993 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054545.D

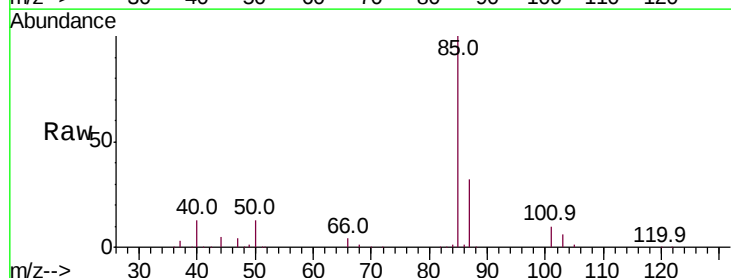
Acq: 22 Mar 2019 7:46

Tgt Ion: 85 Resp: 228936

Ion Ratio Lower Upper

85 100

87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

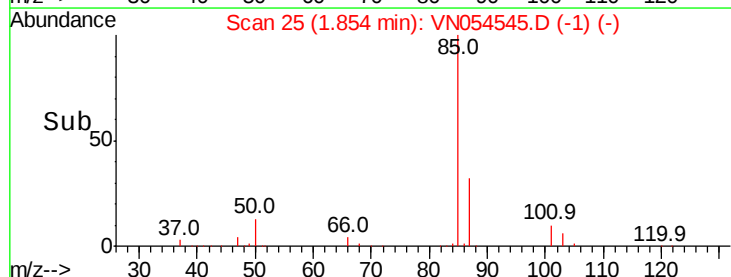
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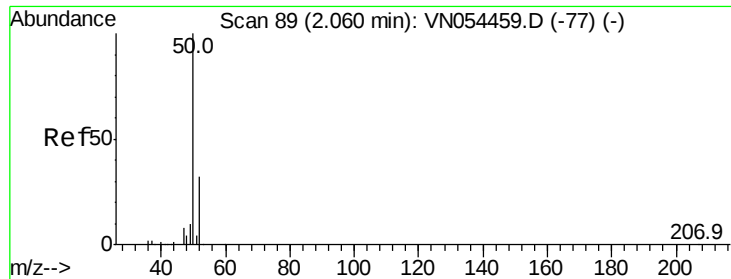
100000

50000

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Time-->





#3

Chloromethane

Concen: 53.699 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 321711

Ion Ratio Lower Upper

50 100

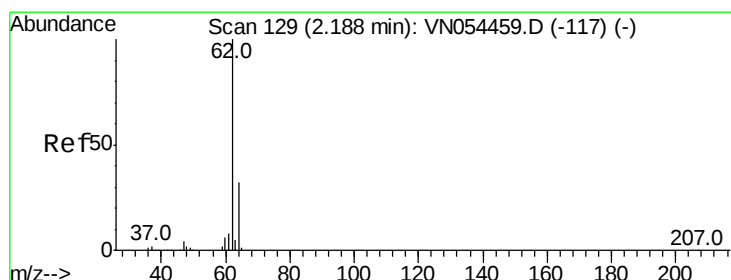
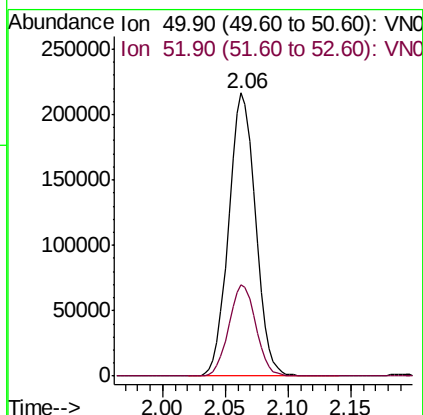
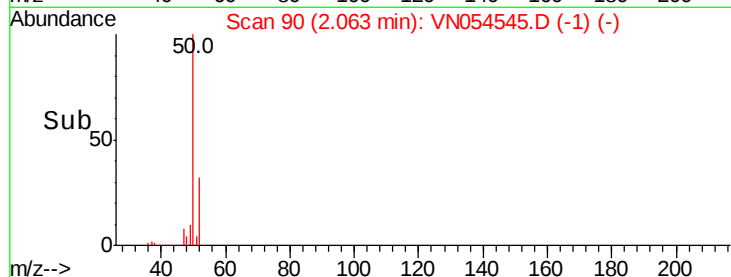
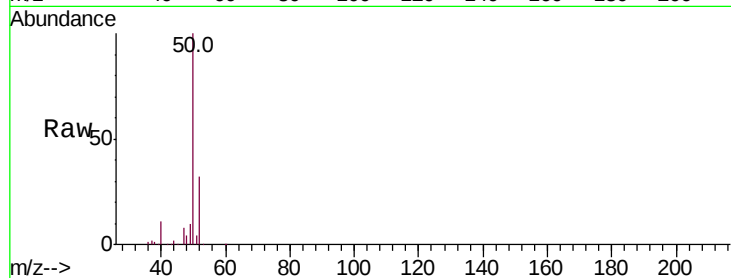
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.400 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054545.D

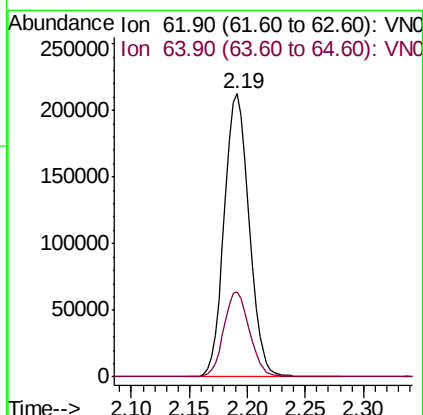
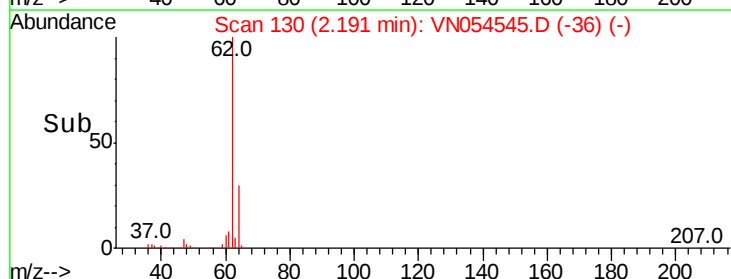
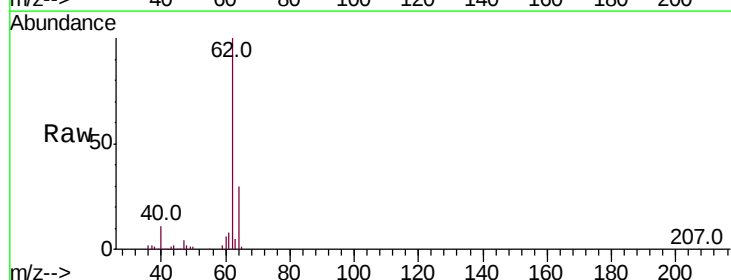
Acq: 22 Mar 2019 7:46

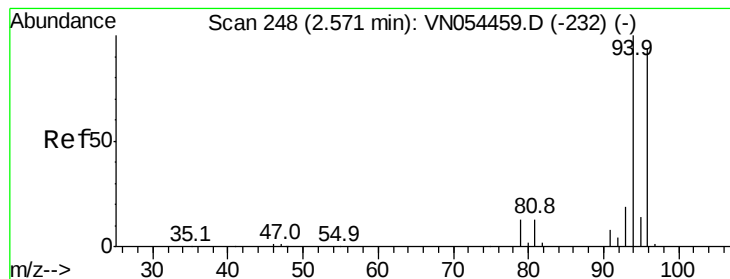
Tgt Ion: 62 Resp: 315181

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3





#5

Bromomethane

Concen: 42.717 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

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Tot Ion: 94 Resp: 166141

Ion Ratio Lower Upper

94 100

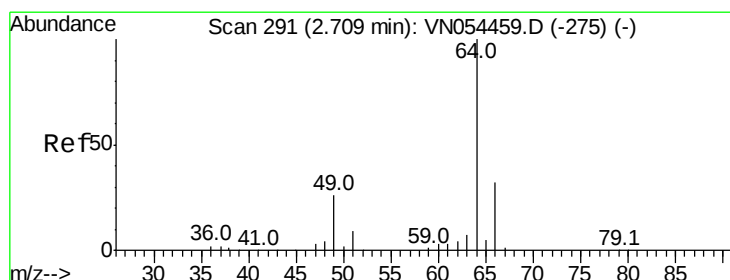
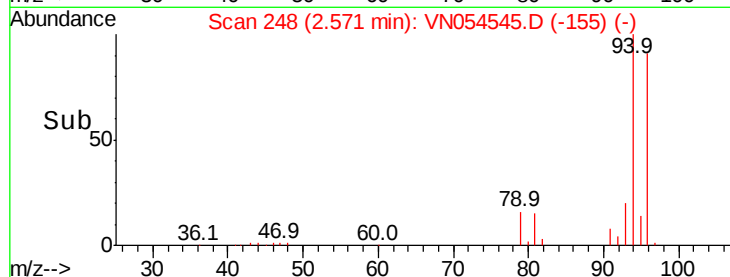
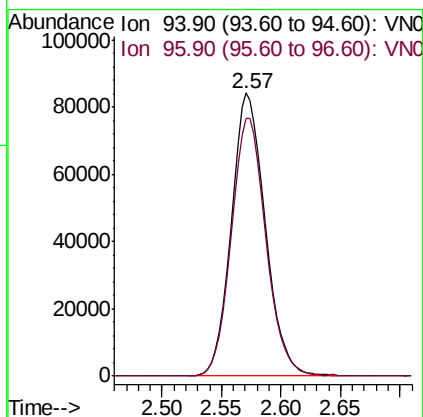
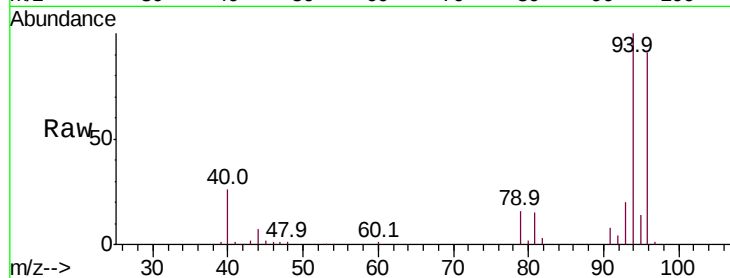
96 90.9 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 48.718 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054545.D

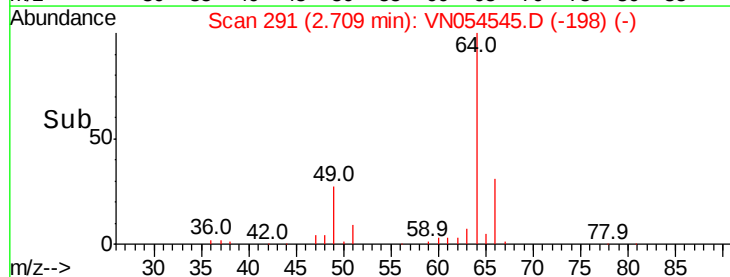
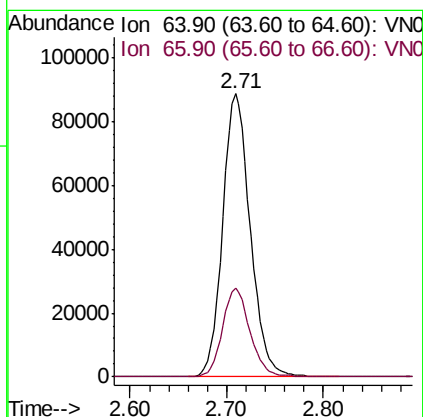
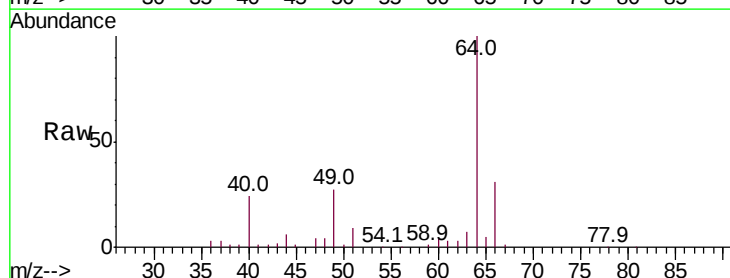
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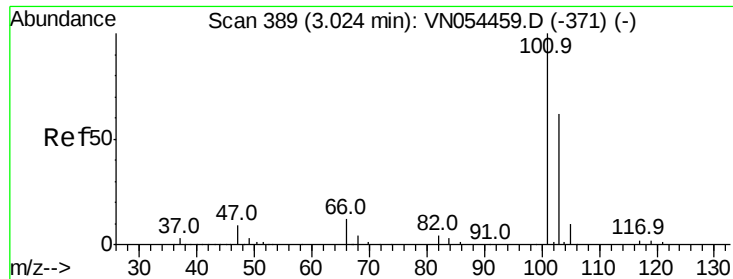
Tgt Ion: 64 Resp: 175762

Ion Ratio Lower Upper

64 100

66 31.2 25.7 38.5





#7

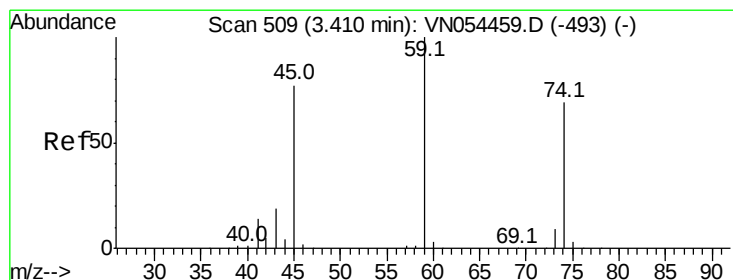
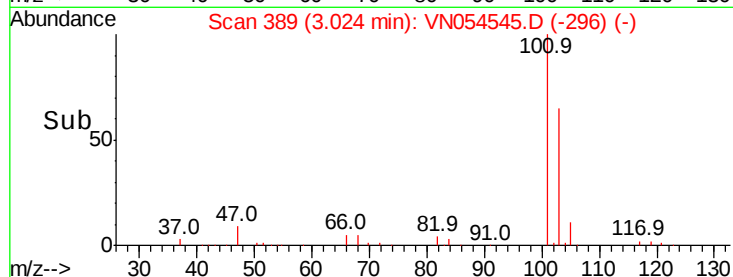
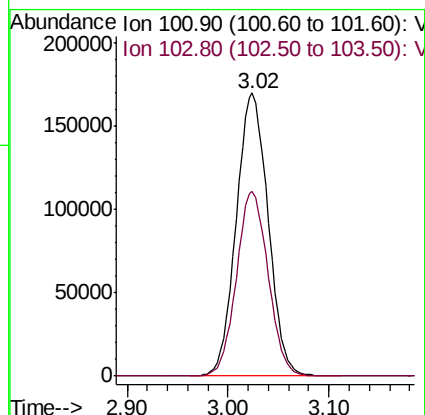
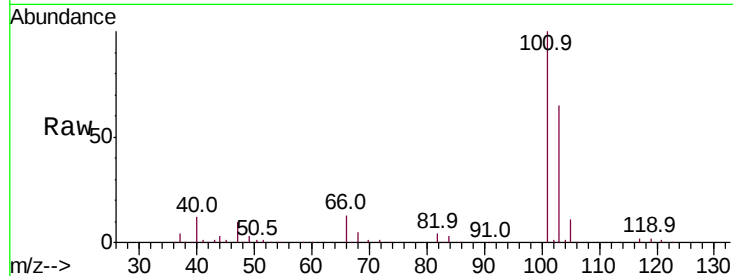
Trichlorofluoromethane
Concen: 50.952 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054545.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.4	77.2

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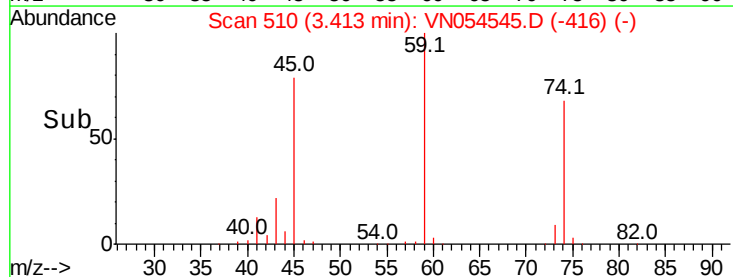
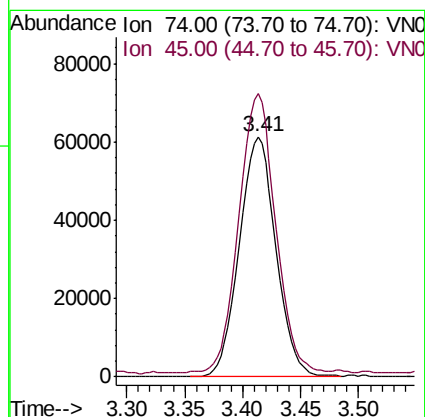
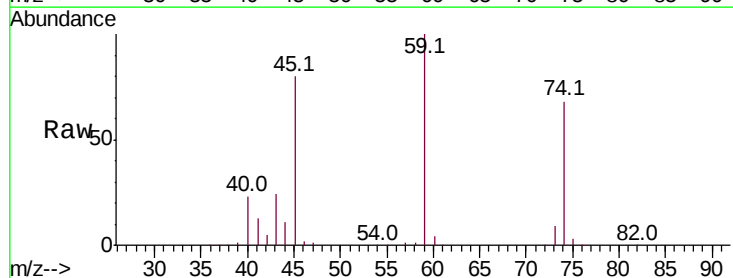
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3/22/2019 4:17:03 PM

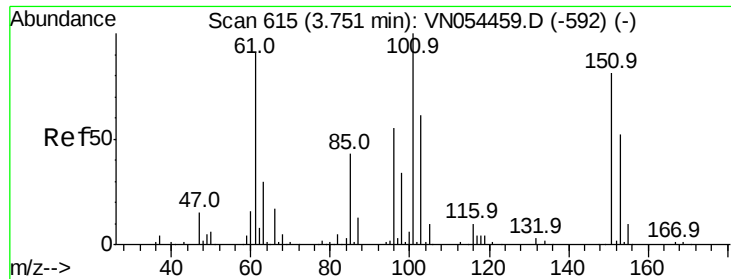


#8

Diethyl Ether
Concen: 47.886 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054545.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.8	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.842 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054545.D

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Instrument :

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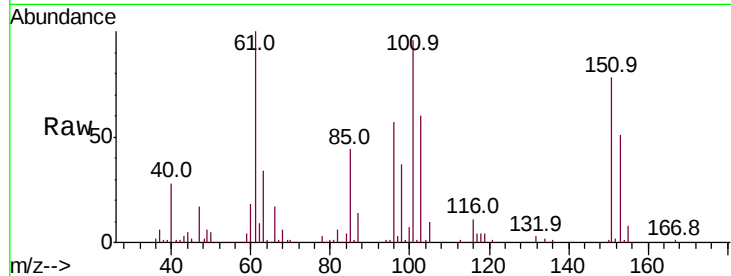
ClientSampleId :

VSTDCCC050EC

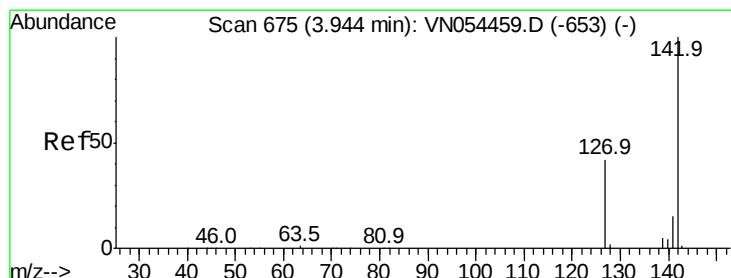
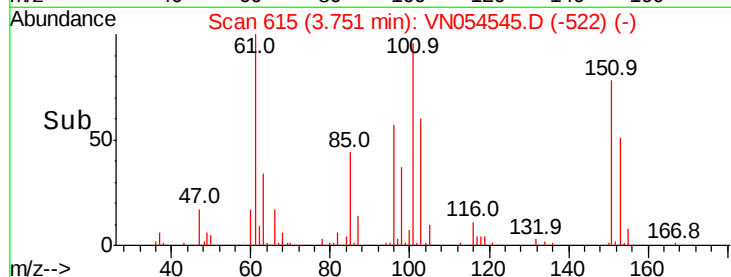
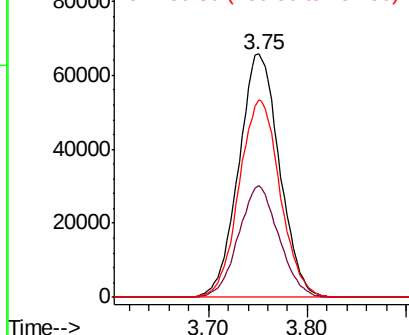
Tot Ion:	101	Resp:	188211
Ion Ratio	Lower	Upper	
101	100		
85	45.5	32.4	48.6
151	81.3	68.2	102.2

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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: 46.559 ug/l

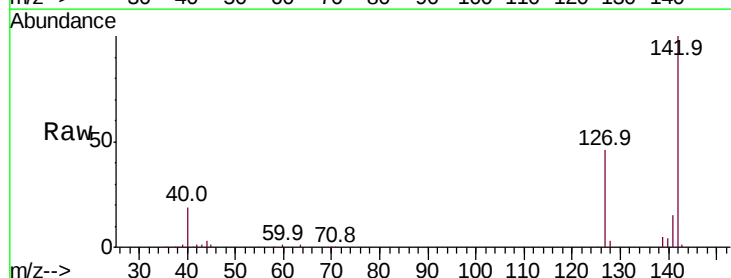
RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

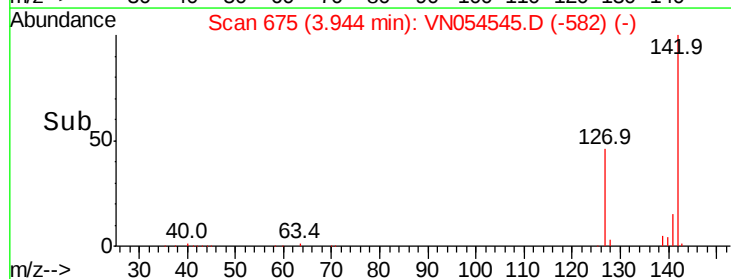
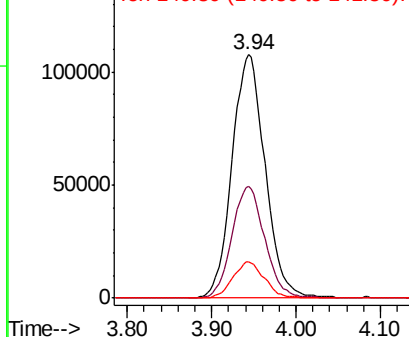
Lab File: VN054545.D

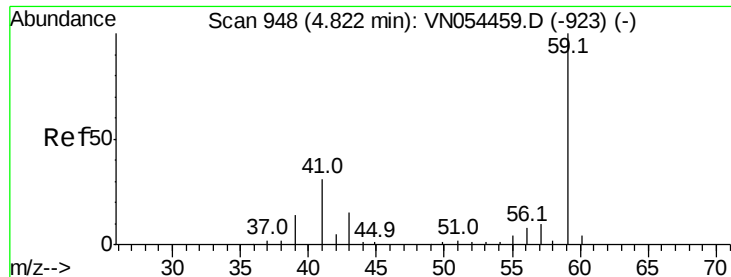
Acq: 22 Mar 2019 7:46

Tgt Ion:	142	Resp:	294017
Ion Ratio	Lower	Upper	
142	100		
127	45.5	30.3	45.5#
141	14.4	11.2	16.8



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





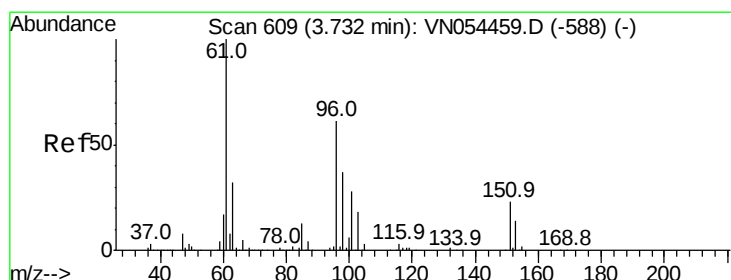
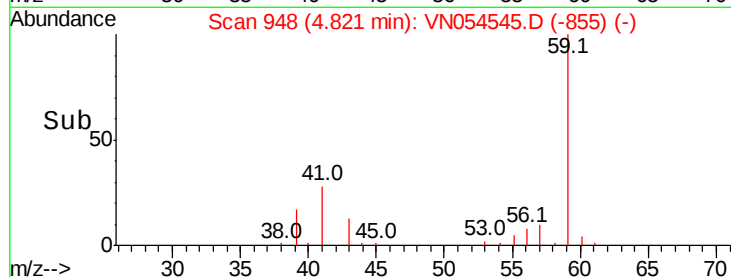
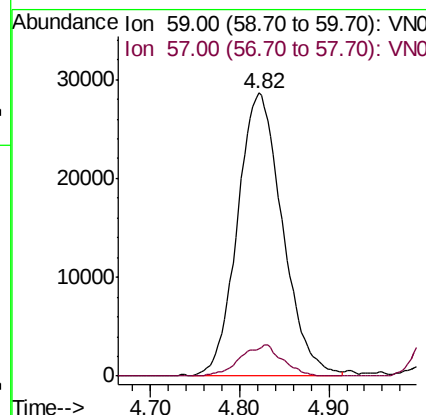
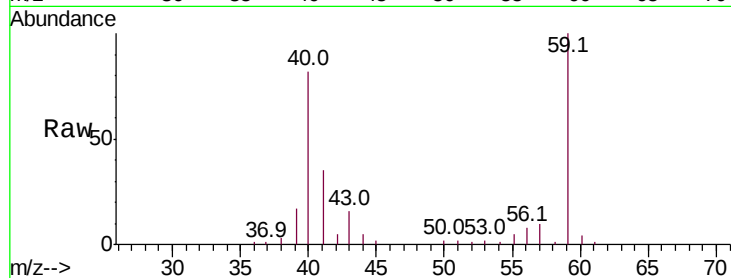
#11
Tert butyl alcohol
Concen: 289.603 ug/l
RT: 4.82 min Scan# 948
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 100450
Ion Ratio Lower Upper
59 100
57 10.4 9.0 13.6

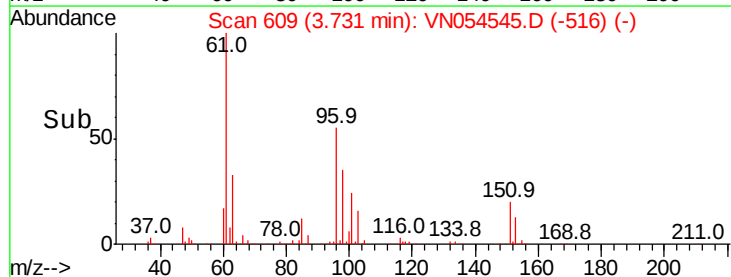
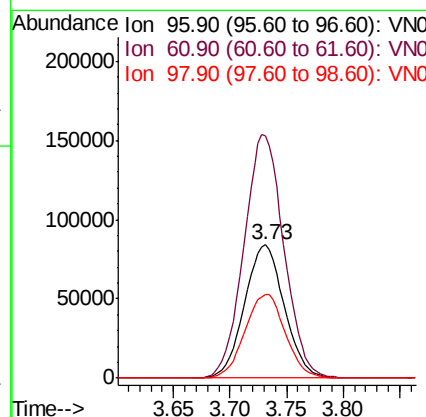
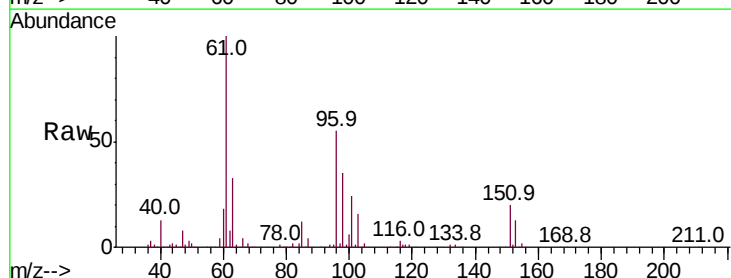
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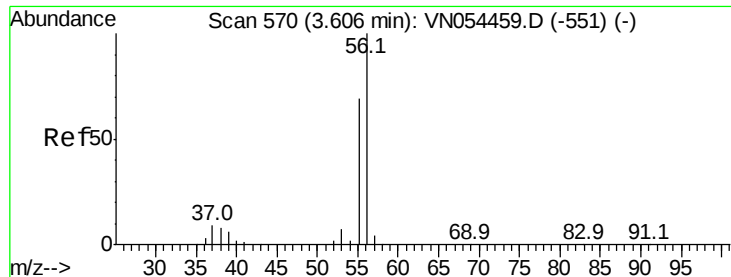
MMDadoda
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#12
1,1-Dichloroethene
Concen: 46.430 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion: 96 Resp: 206271
Ion Ratio Lower Upper
96 100
61 181.2 116.5 174.7#
98 62.6 51.0 76.4





#13

Acrolein

Concen: 247.185 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 118318

Ion Ratio Lower Upper

56 100

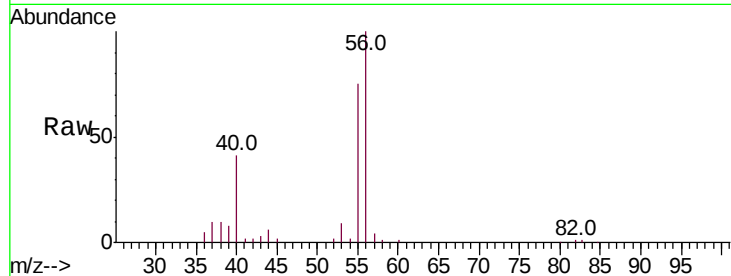
55 73.9 56.7 85.1

Manual Integrations

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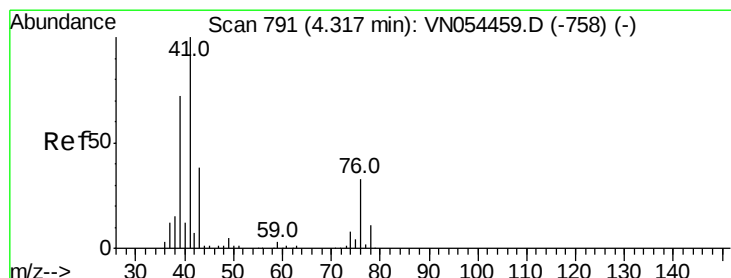
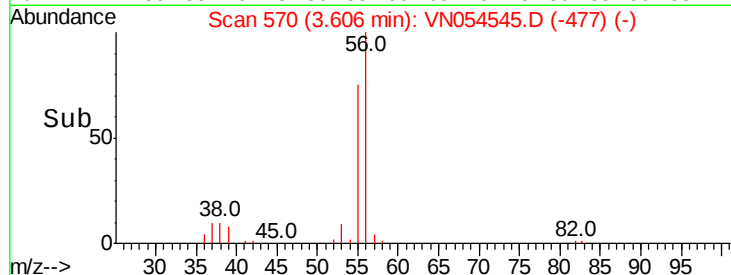
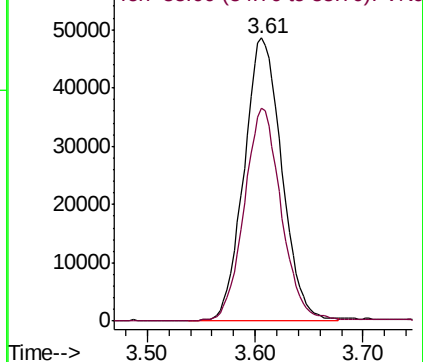
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 52.548 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

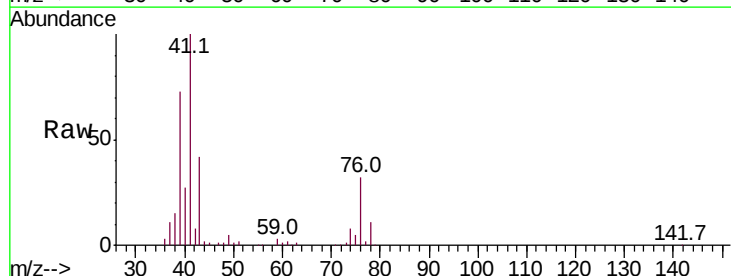
Tgt Ion: 41 Resp: 439603

Ion Ratio Lower Upper

41 100

39 69.0 58.2 87.4

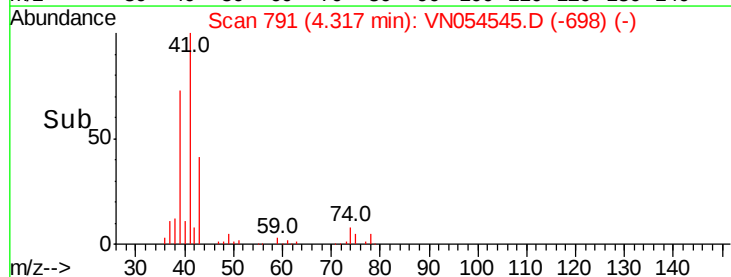
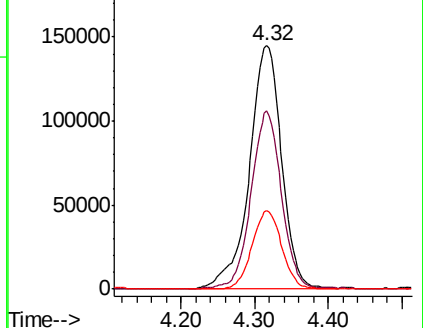
76 29.8 31.7 47.5#

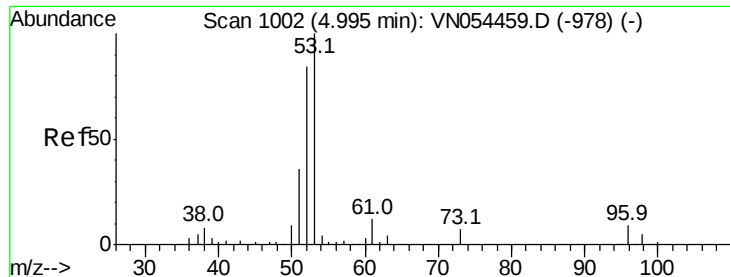


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





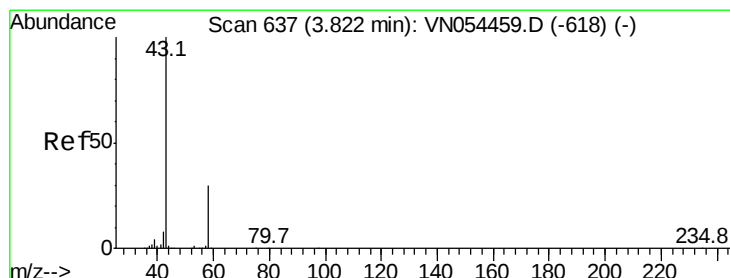
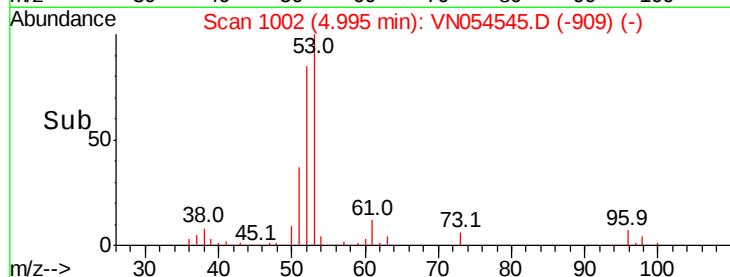
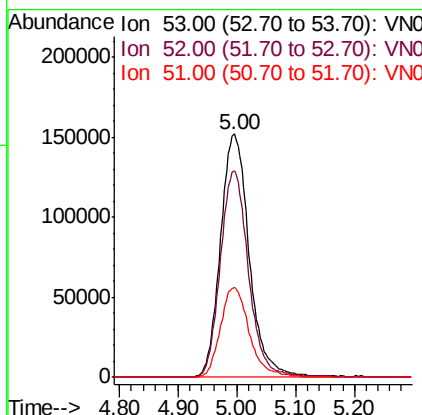
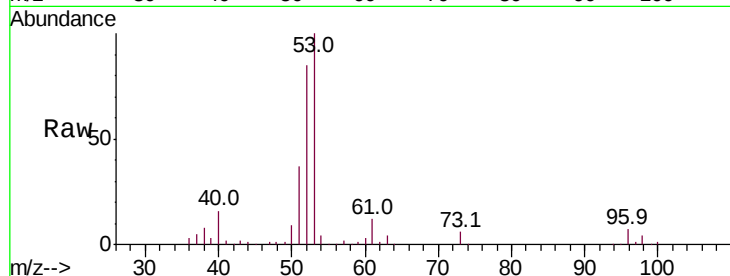
#15
 Acrylonitrile
 Concen: 299.833 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.4	99.6
51	37.1	29.6	44.4

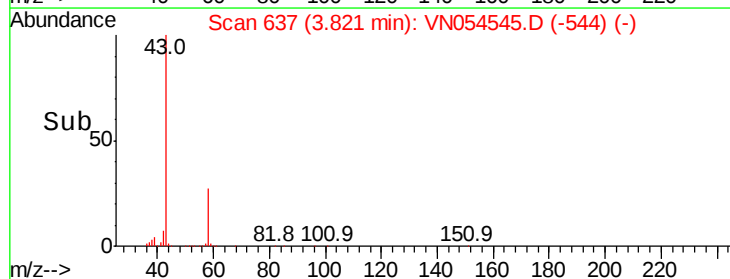
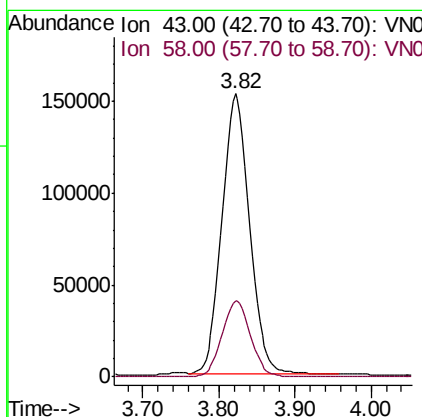
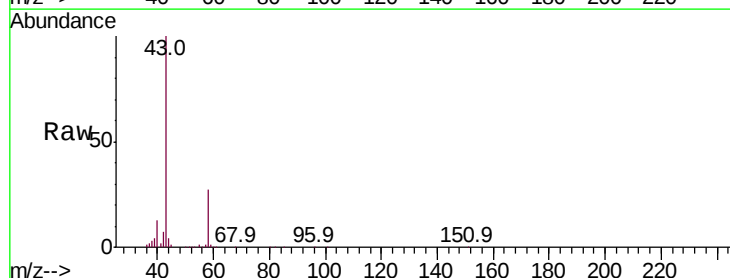
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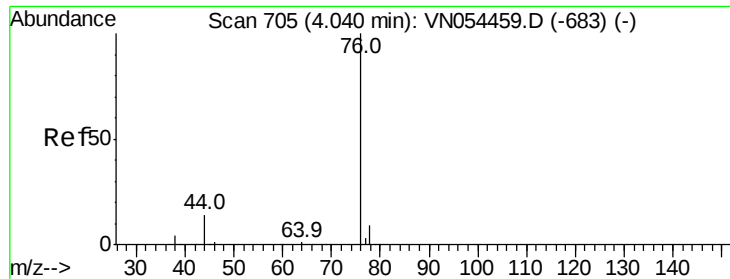
MMDadoda
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#16
 Acetone
 Concen: 226.056 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.3	29.9	44.9#





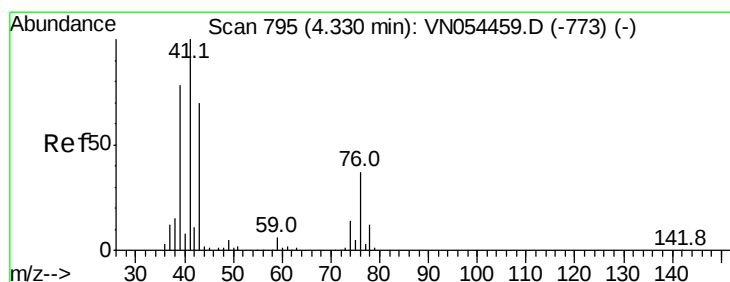
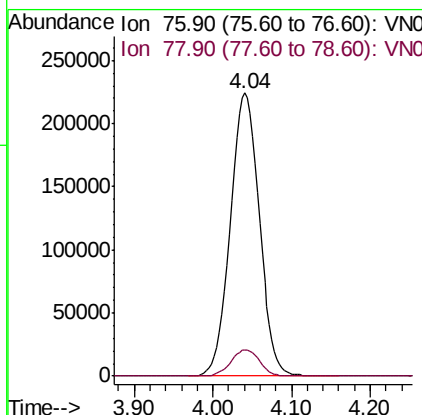
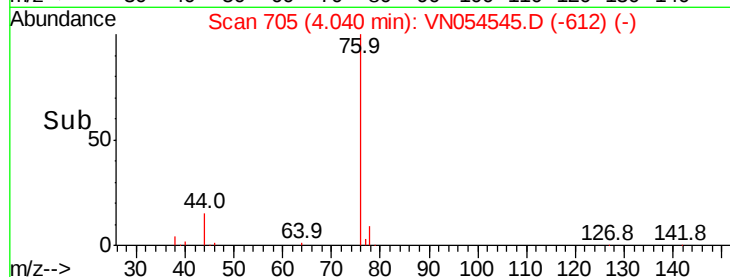
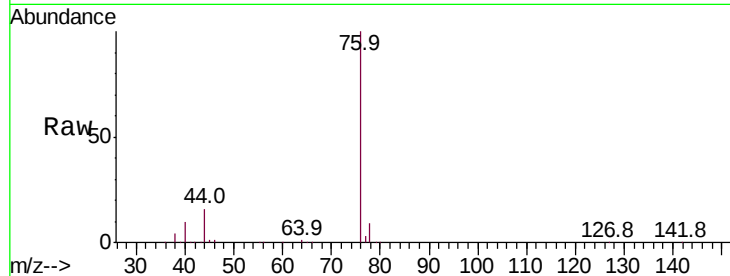
#17
Carbon Disulfide
Concen: 48.354 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

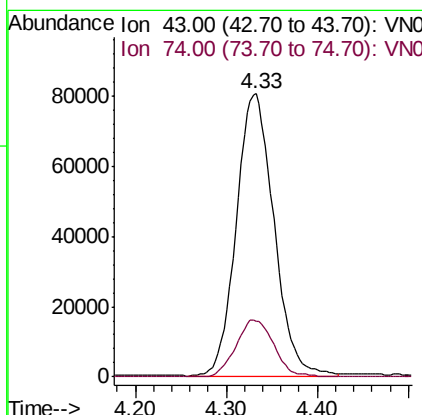
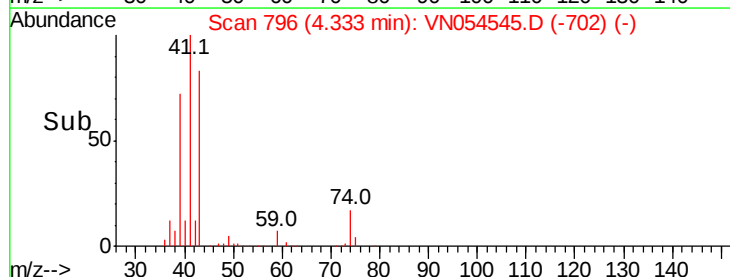
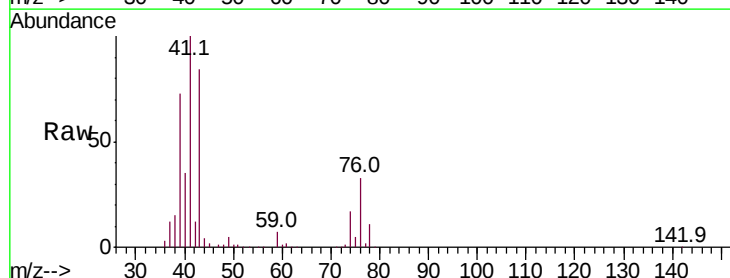
Manual Integrations
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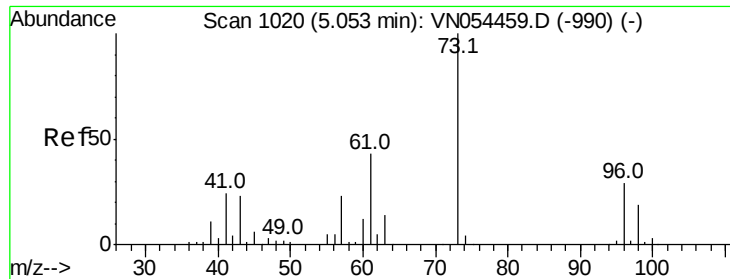
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#18
Methyl Acetate
Concen: 59.929 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.5	20.8	31.2#





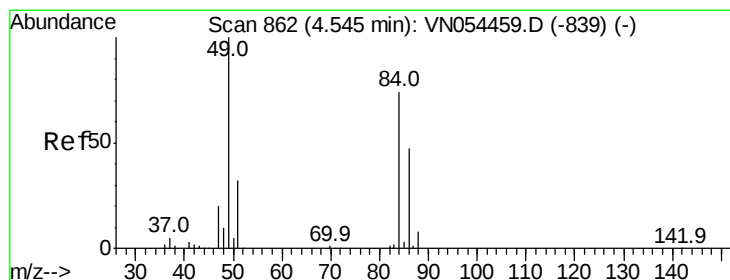
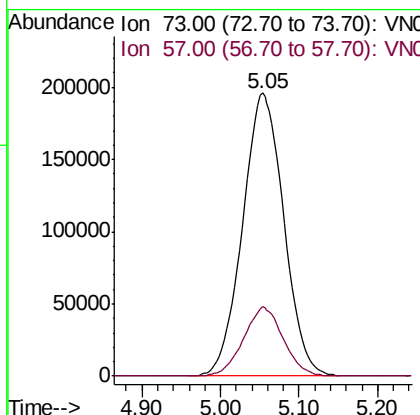
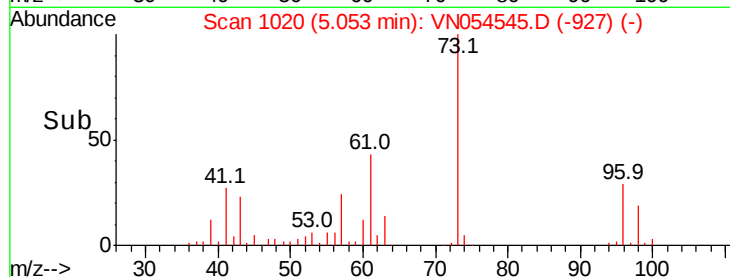
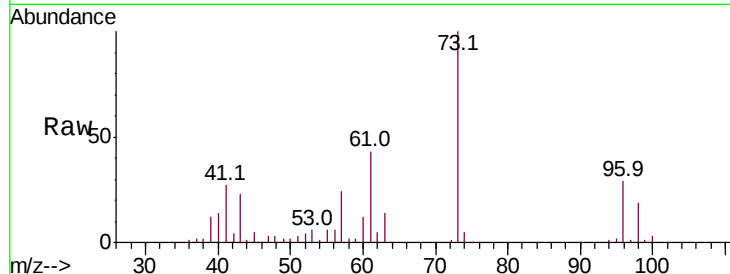
#19
Methyl tert-butyl Ether
Concen: 55.636 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 721356
Ion Ratio Lower Upper
73 100
57 24.5 16.8 25.2

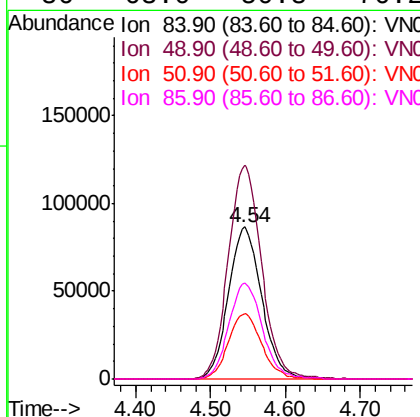
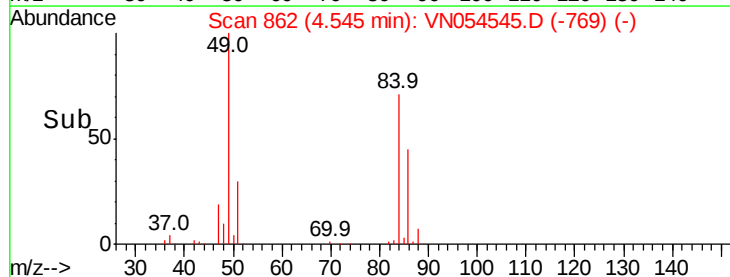
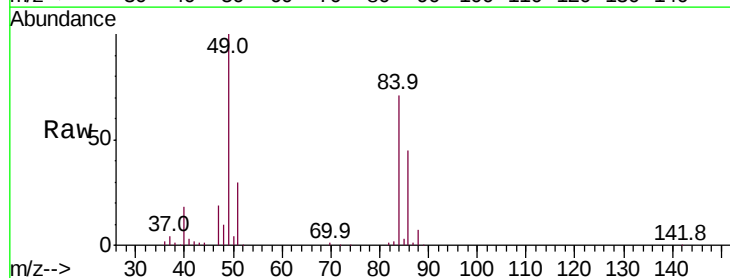
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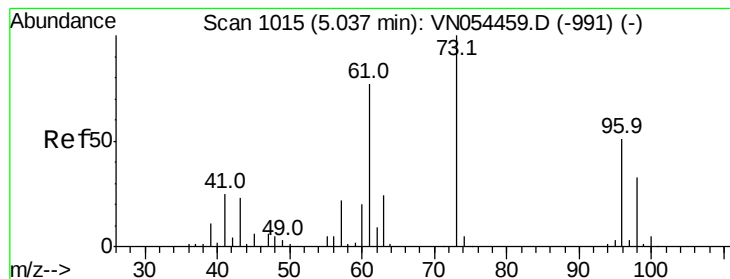
MMDadoda
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#20
Methylene Chloride
Concen: 52.670 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion: 84 Resp: 267431
Ion Ratio Lower Upper
84 100
49 140.2 89.7 134.5#
51 42.7 28.2 42.4#
86 63.0 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 55.064 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 249795

Ion Ratio Lower Upper

96 100

61 155.1 102.8 154.2#

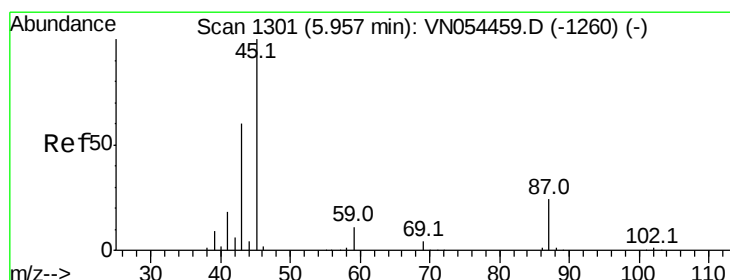
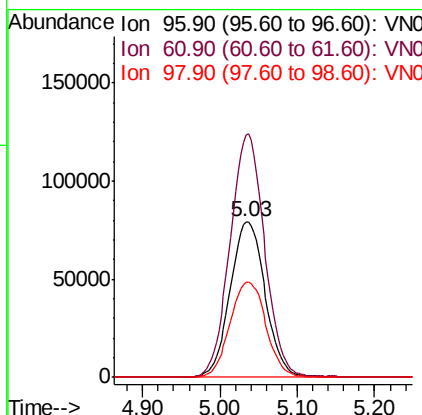
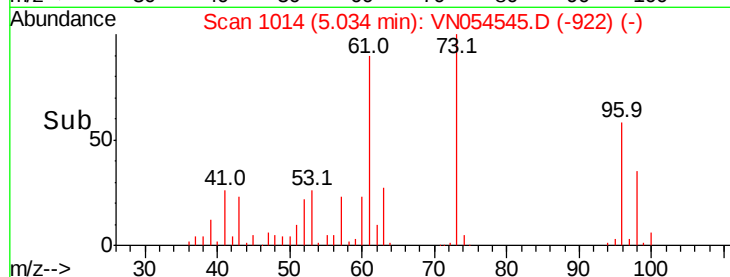
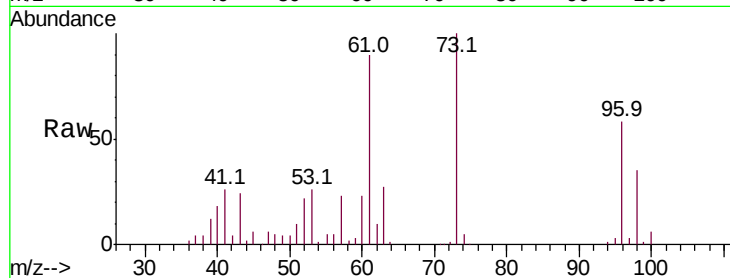
98 60.9 50.0 75.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 58.522 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion: 45 Resp: 965695

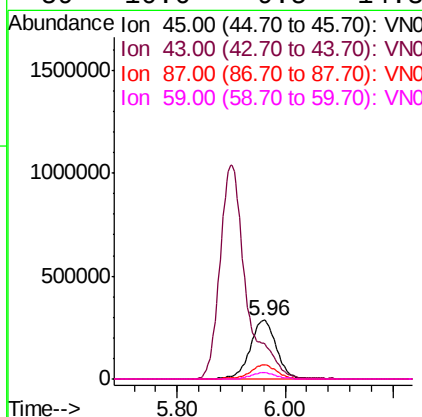
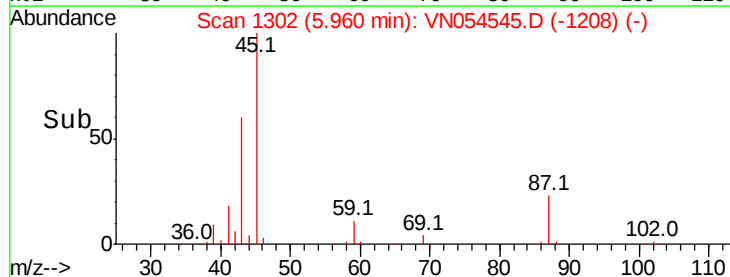
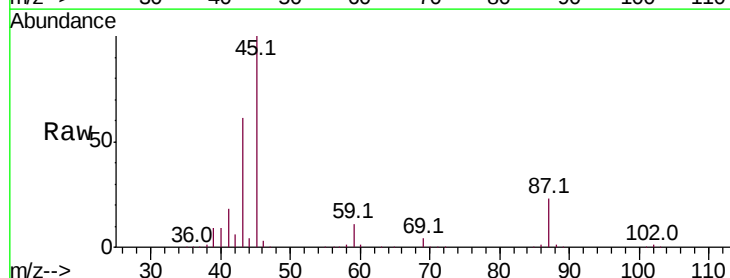
Ion Ratio Lower Upper

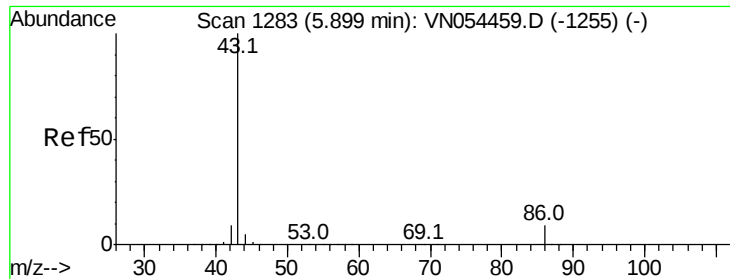
45 100

43 60.4 48.2 72.2

87 23.2 24.9 37.3#

59 10.6 9.5 14.3





#23

Vinyl Acetate

Concen: 300.616 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 3503499

Ion Ratio Lower Upper

43 100

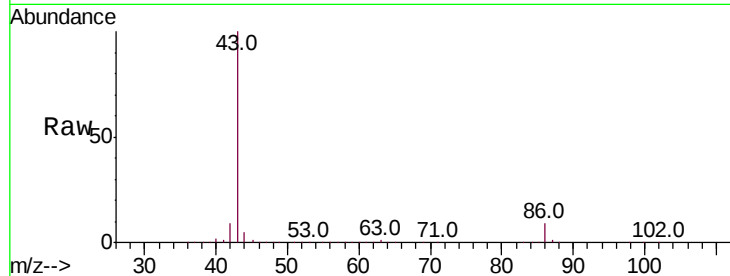
86 8.6 9.1 13.7#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

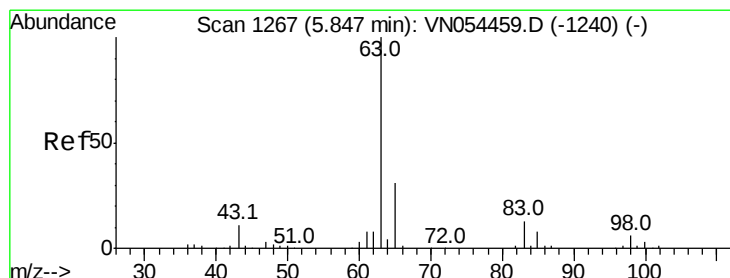
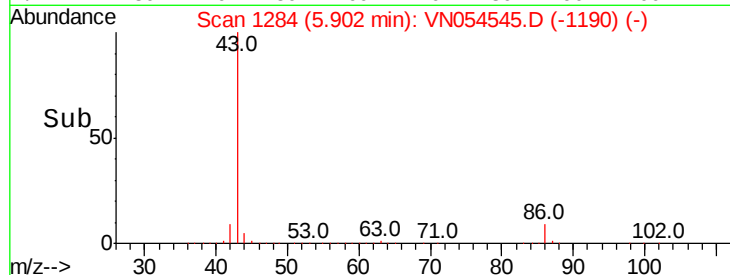
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 57.170 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

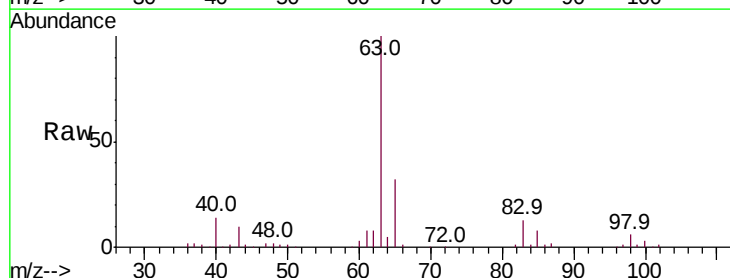
Tgt Ion: 63 Resp: 507953

Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 3.5 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

200000

150000

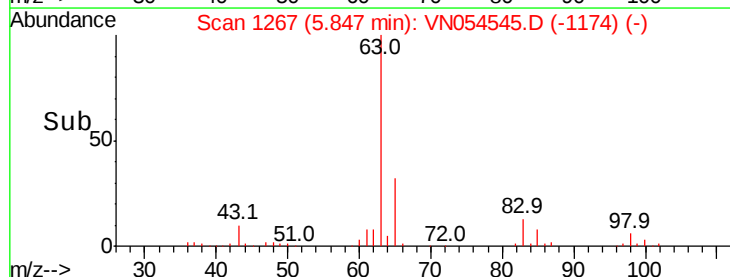
100000

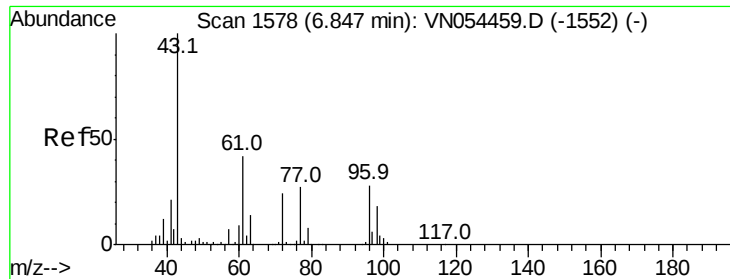
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 294.826 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 650525

Ion Ratio Lower Upper

43 100

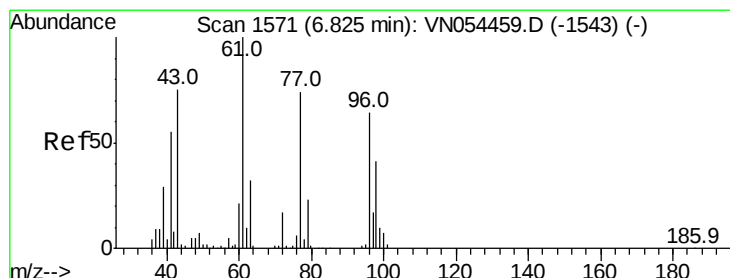
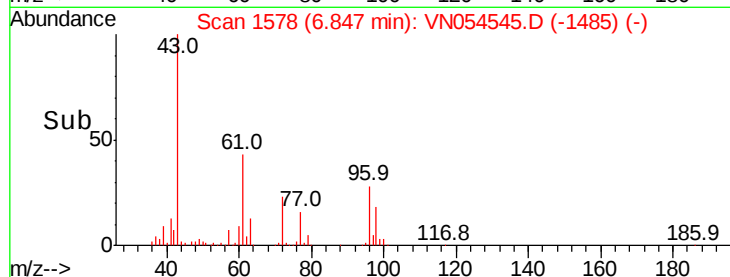
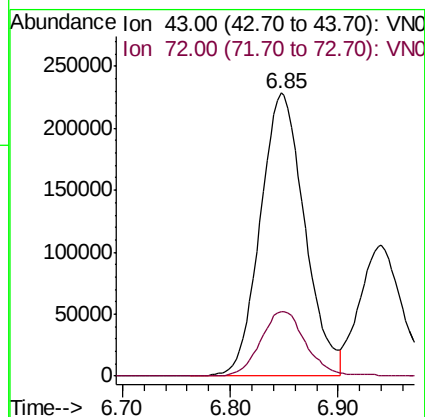
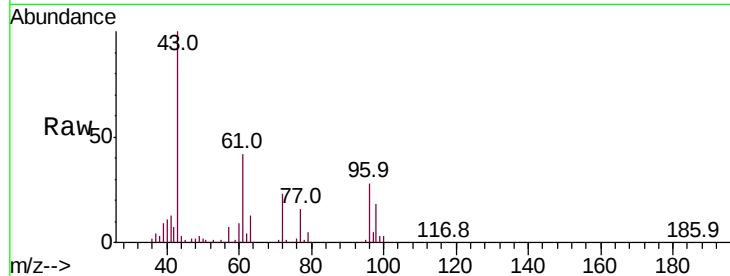
72 23.0 23.0 34.6#

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#26

2,2-Dichloropropane

Concen: 33.545 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054545.D

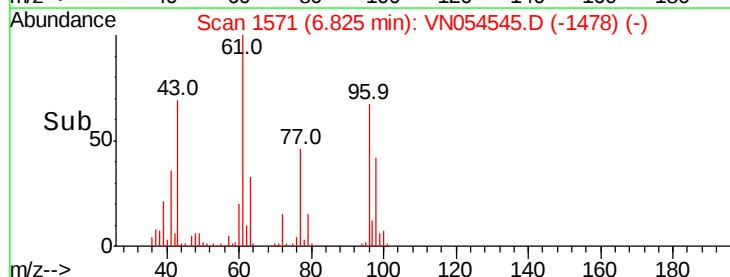
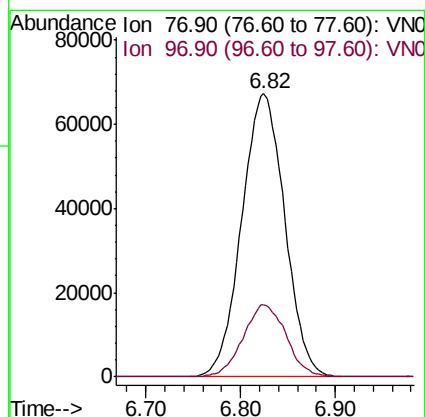
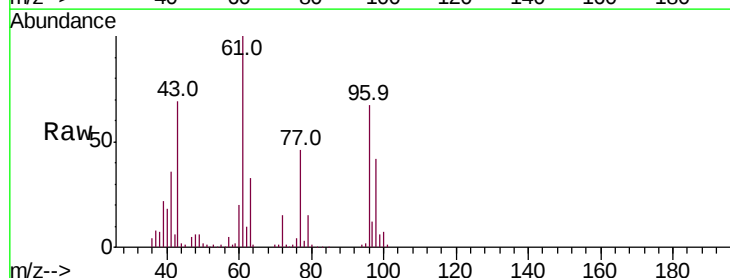
Acq: 22 Mar 2019 7:46

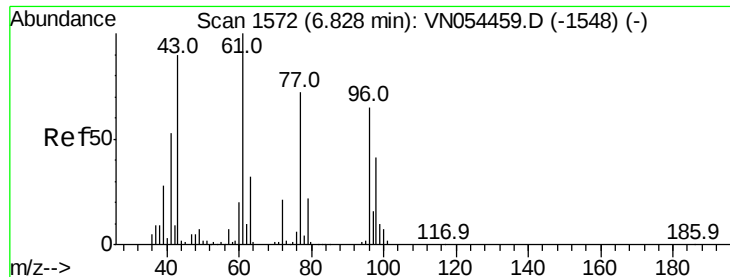
Tgt Ion: 77 Resp: 212461

Ion Ratio Lower Upper

77 100

97 25.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 54.223 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

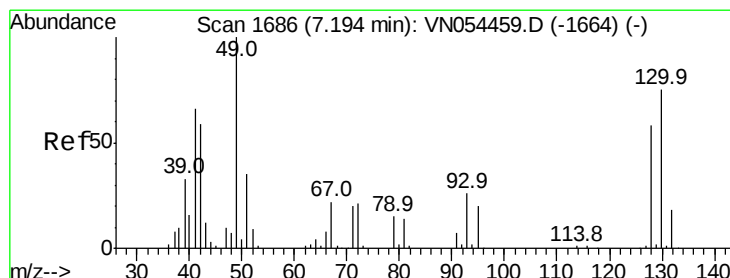
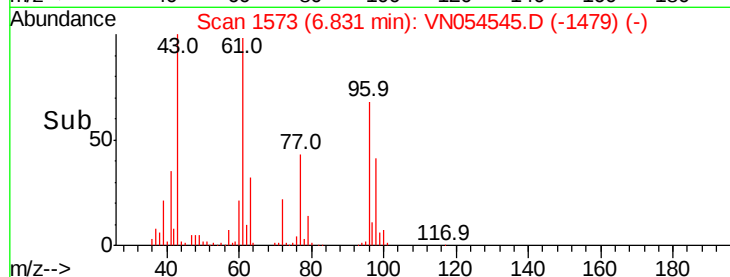
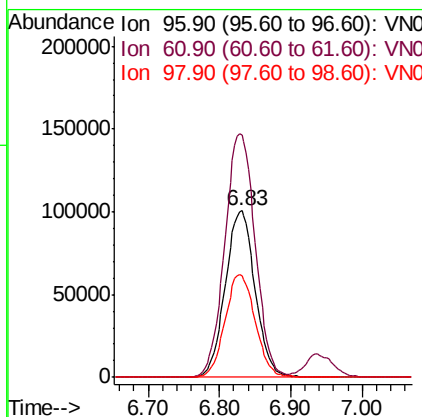
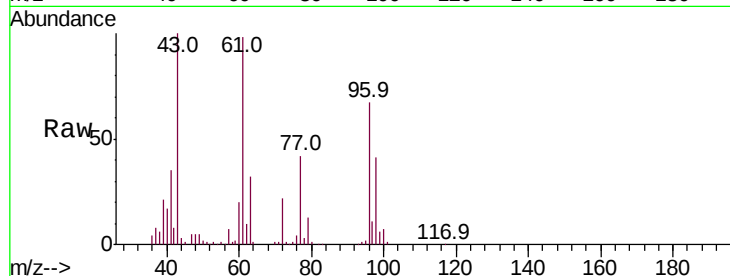
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	293397		
61	149.0	0.0	273.0	
98	62.4	0.0	130.6	

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#28

Bromochloromethane

Concen: 59.511 ug/l

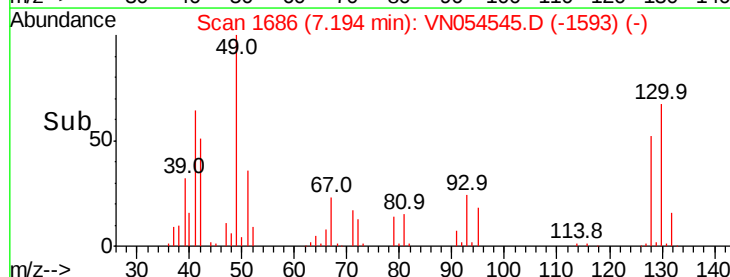
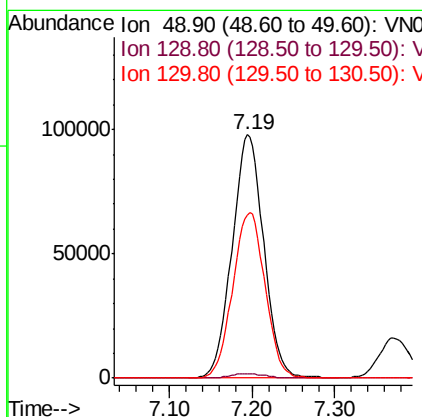
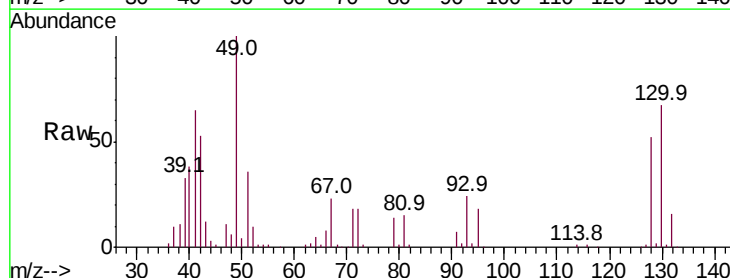
RT: 7.19 min Scan# 1686

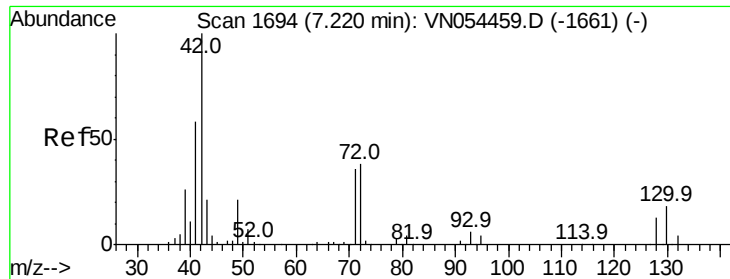
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	260262		
129	2.0	0.0	4.6	
130	69.4	76.7	115.1#	





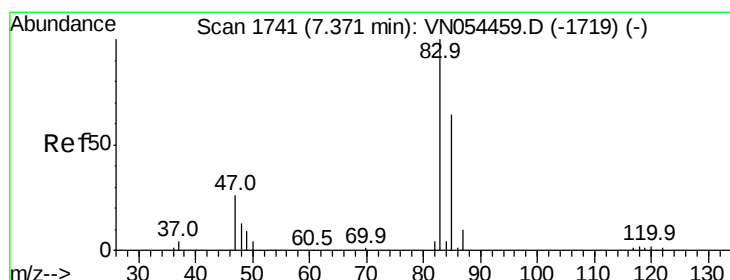
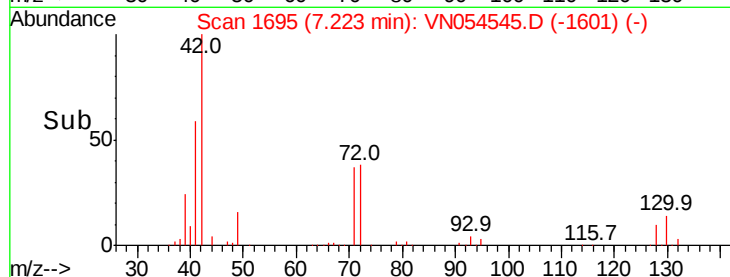
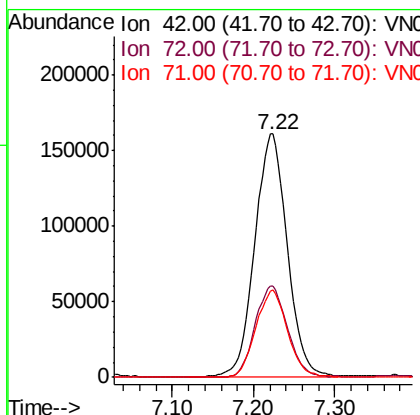
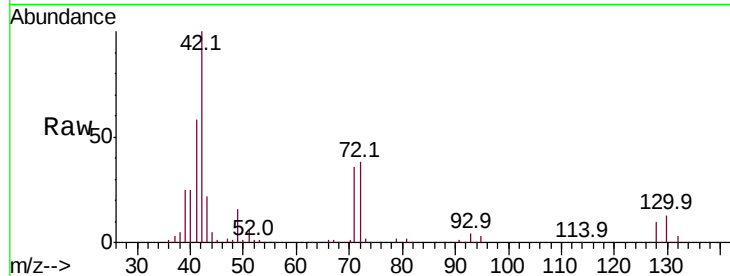
#29
Tetrahydrofuran
Concen: 309.651 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	37.8	56.6#
71	35.2	36.2	54.2#

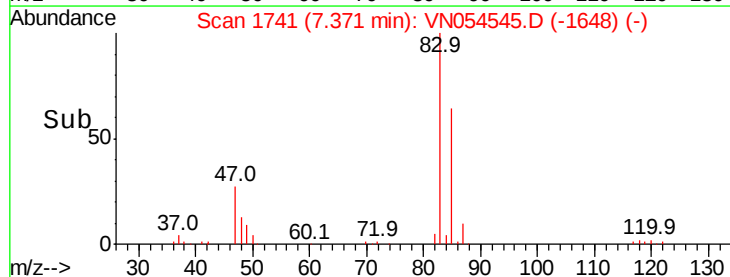
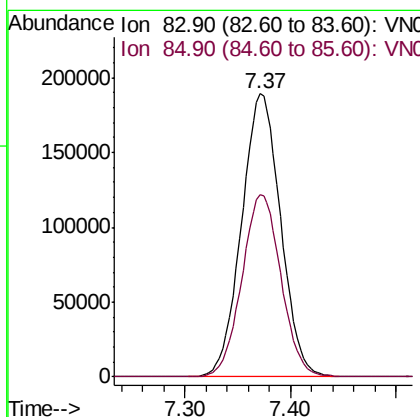
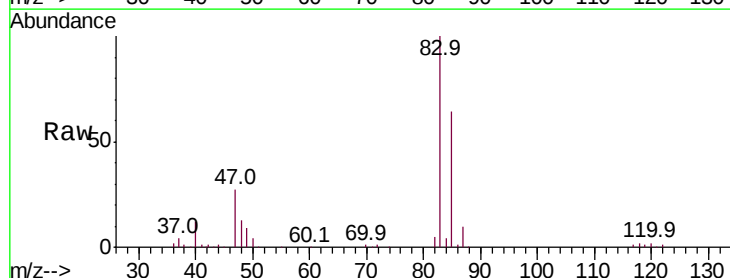
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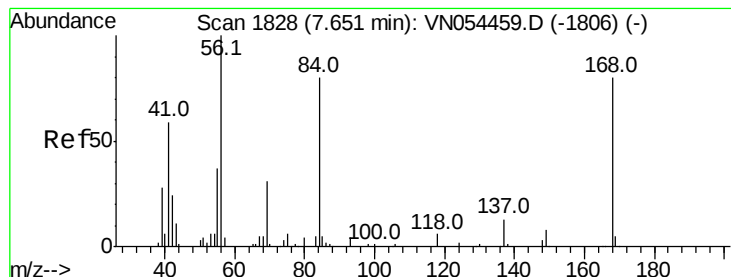
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#30
Chloroform
Concen: 56.278 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.2	78.4





#31

Cyclohexane

Concen: 53.902 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 457665

Ion Ratio Lower Upper

56 100

69 31.3 27.8 41.6

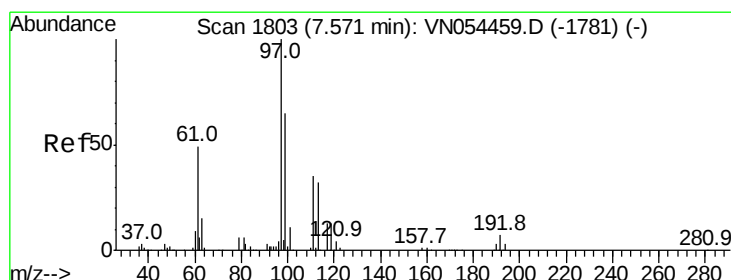
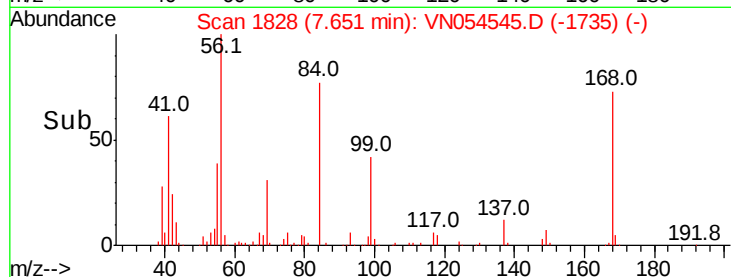
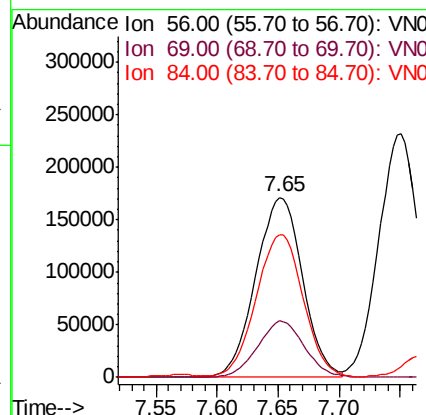
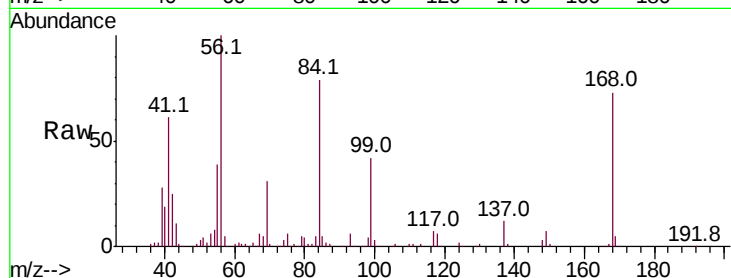
84 78.2 74.6 111.8

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 56.451 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

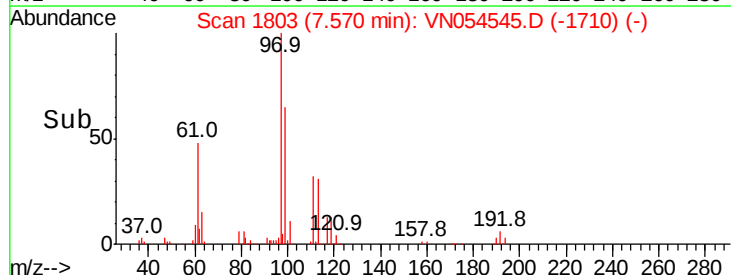
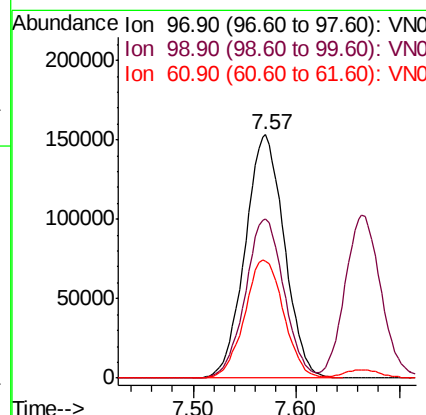
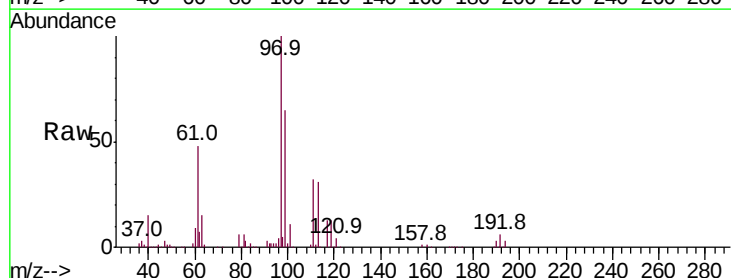
Tgt Ion: 97 Resp: 403822

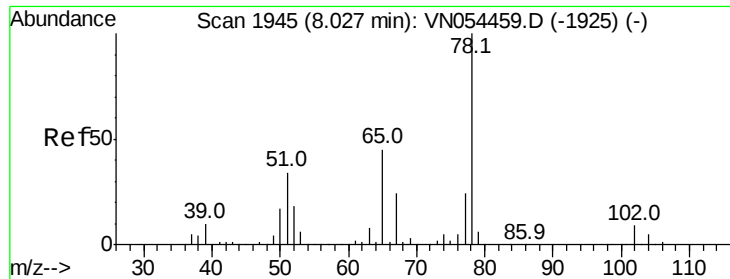
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 48.5 33.6 50.4





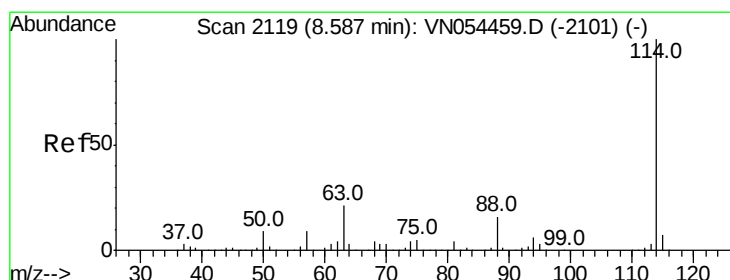
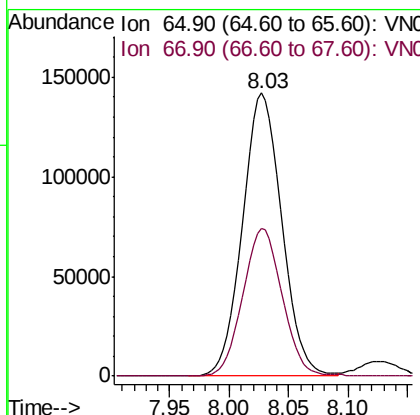
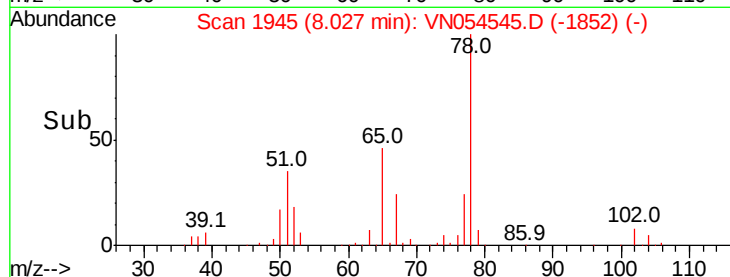
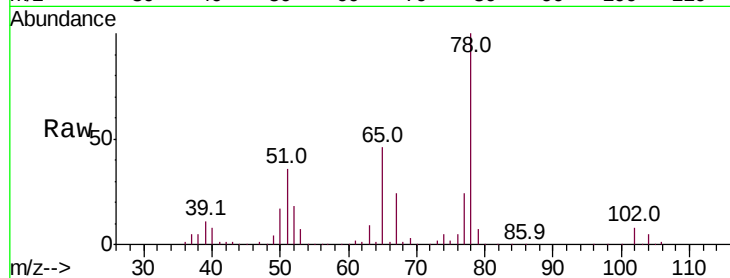
#33
 1,2-Dichloroethane-d4
 Concen: 56.722 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	324966		
67	52.2	0.0	104.6	

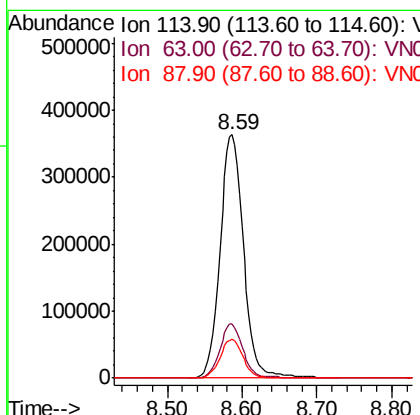
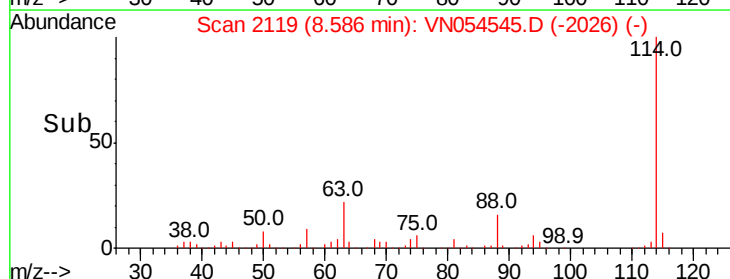
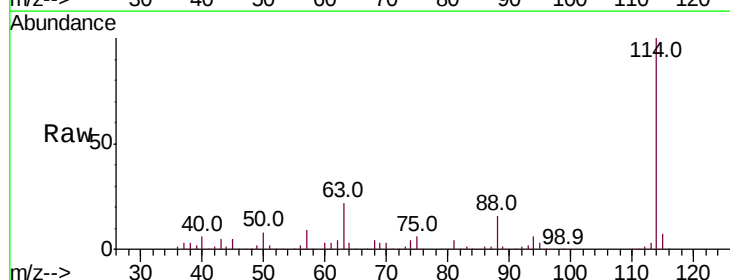
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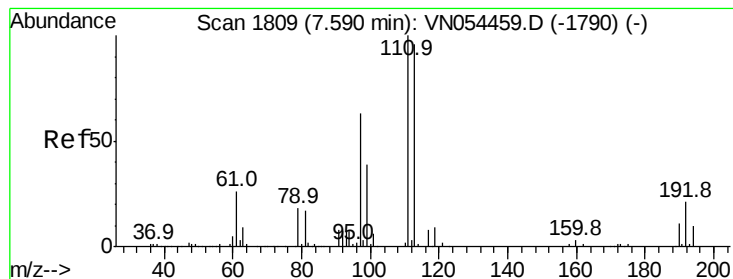
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	788609		
63	22.2	0.0	35.2	
88	15.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.379 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

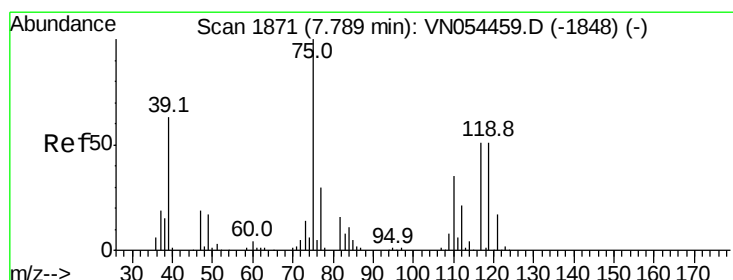
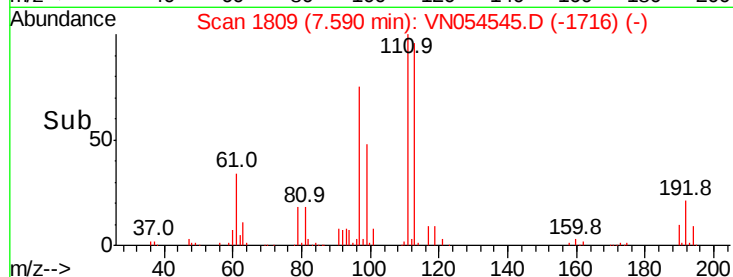
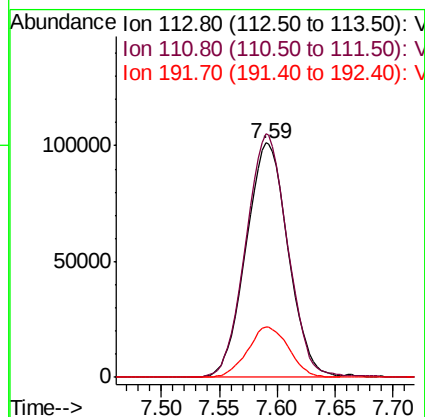
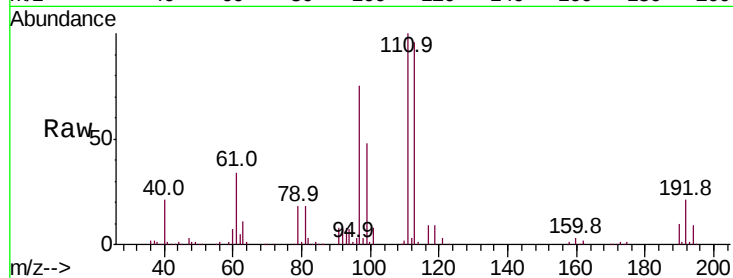
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	255958
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.2	123.4
192	21.0	19.2	28.8

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#36

1,1-Dichloropropene

Concen: 49.137 ug/l

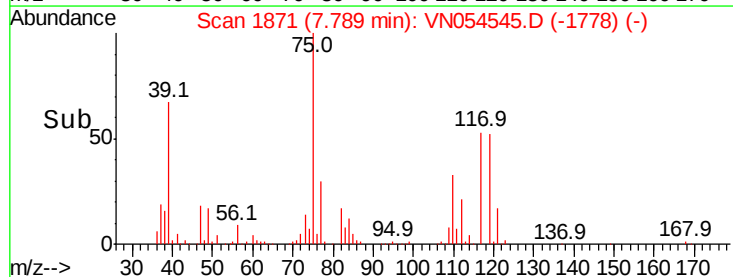
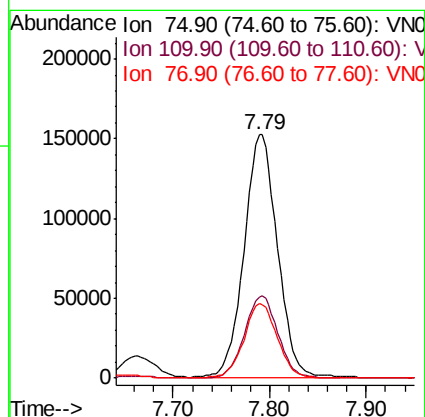
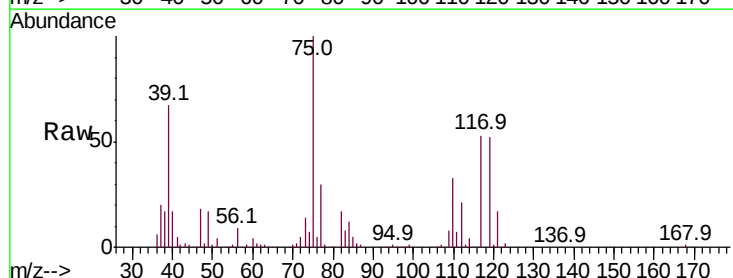
RT: 7.79 min Scan# 1871

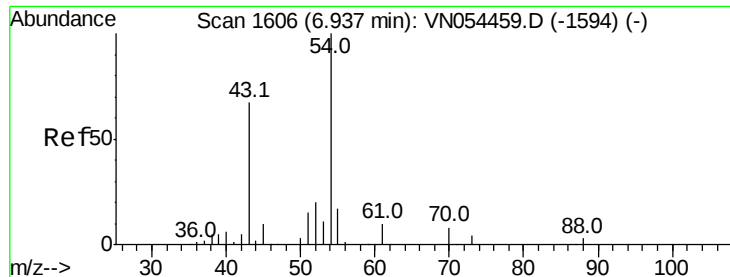
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	75	Resp:	362312
Ion Ratio	Lower	Upper	
75	100		
110	34.2	19.1	57.5
77	31.2	25.0	37.4





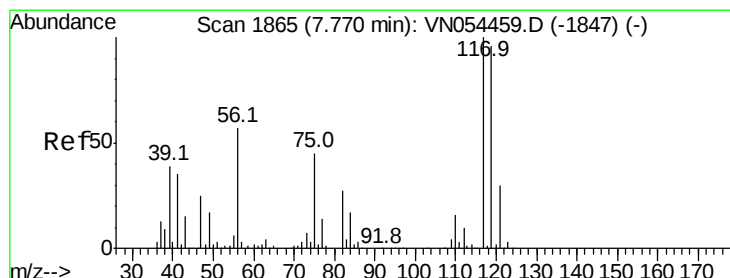
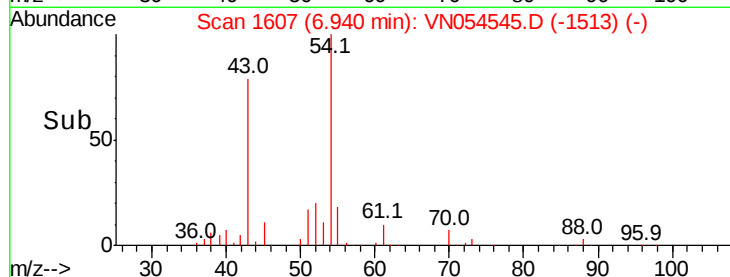
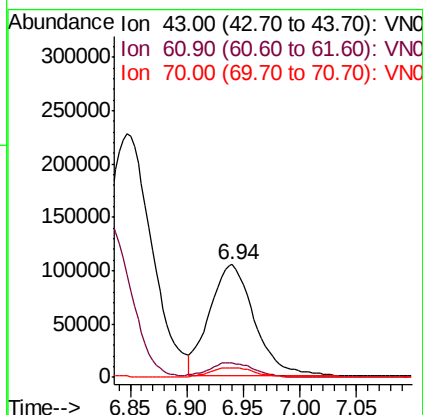
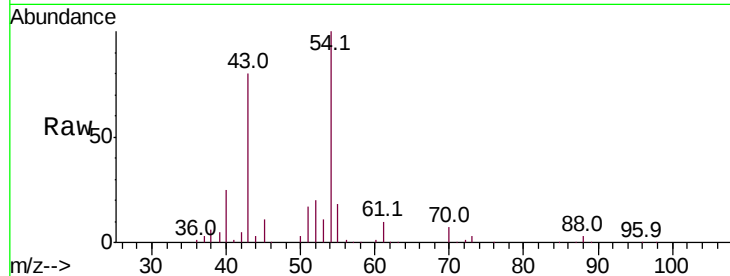
#37
Ethyl Acetate
Concen: 54.809 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	8.9	8.4	12.6

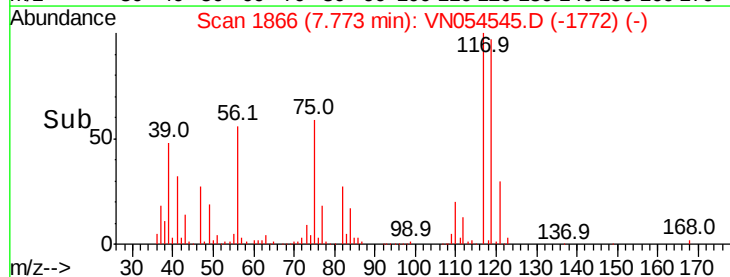
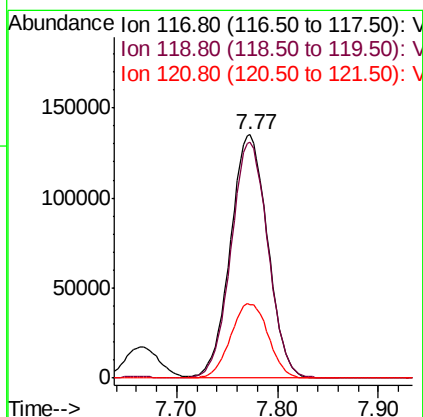
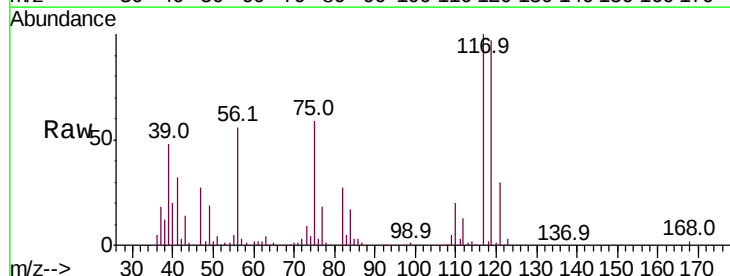
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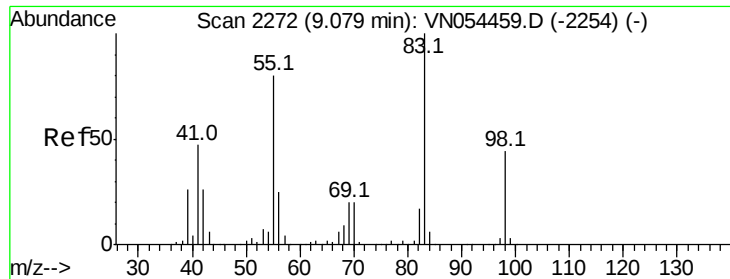
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#38
Carbon Tetrachloride
Concen: 48.367 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.3	114.5
121	30.4	24.6	36.8





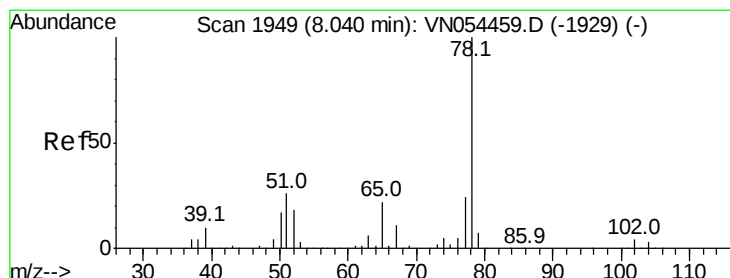
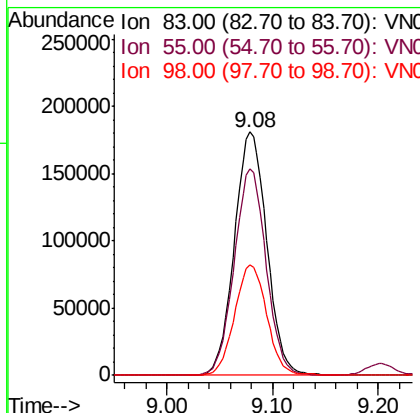
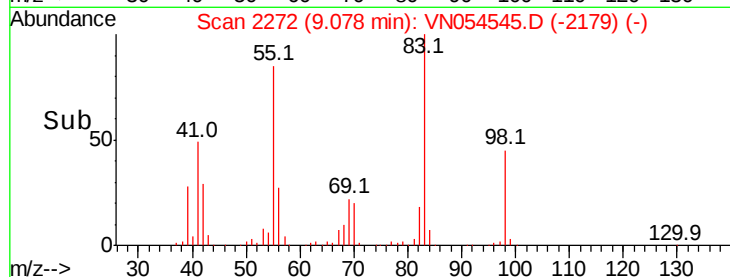
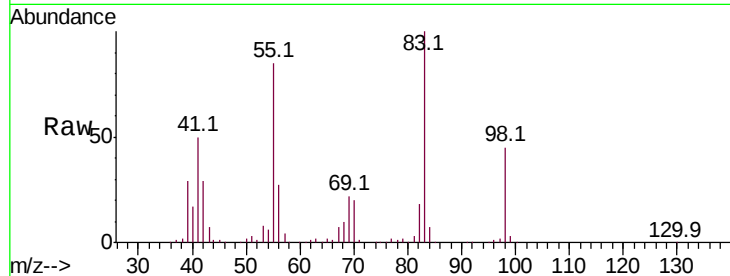
#39
Methvlcvclohexane
Concen: 45.696 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	385423
Ion Ratio	100	Lower	Upper
83	100		
55	84.9	56.6	84.8#
98	45.2	38.4	57.6

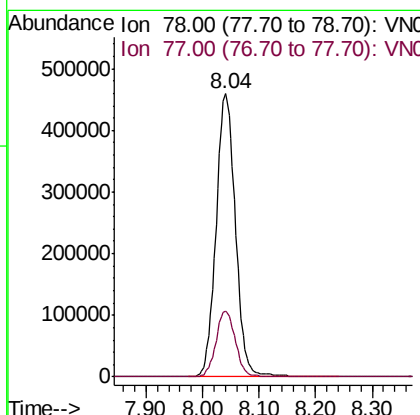
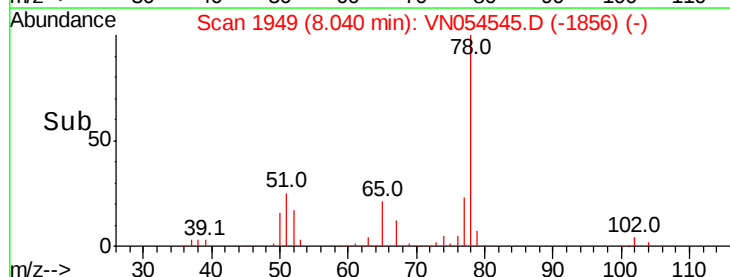
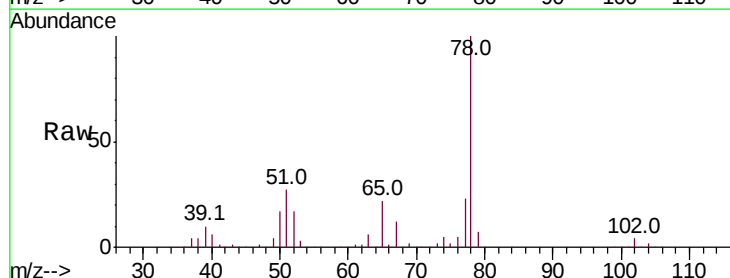
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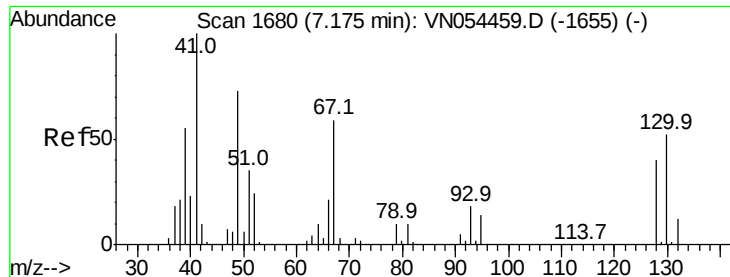
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#40
Benzene
Concen: 51.725 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	78	Resp	1090623
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.1	28.7





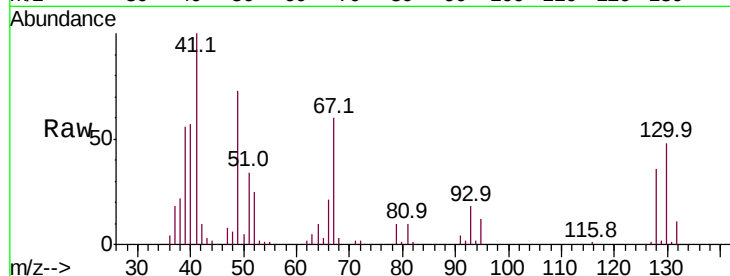
#41
Methacrylonitrile
Concen: 50.785 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

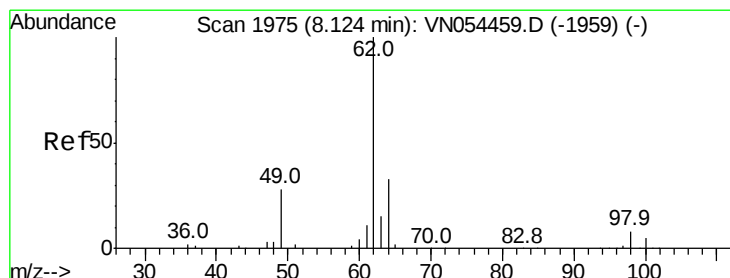
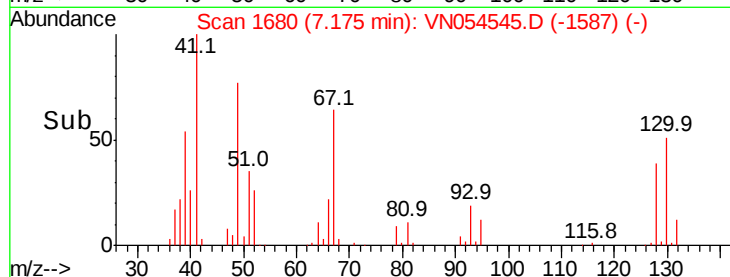
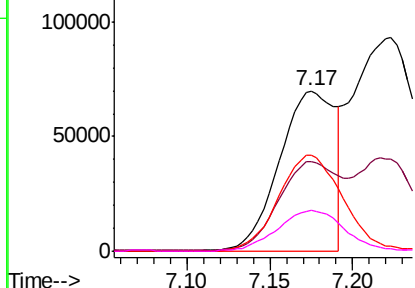
Tot Ion	Ratio	Lower	Upper
41	100		
39	64.0	46.8	70.2
67	70.2	67.0	100.4
52	30.0	26.5	39.7

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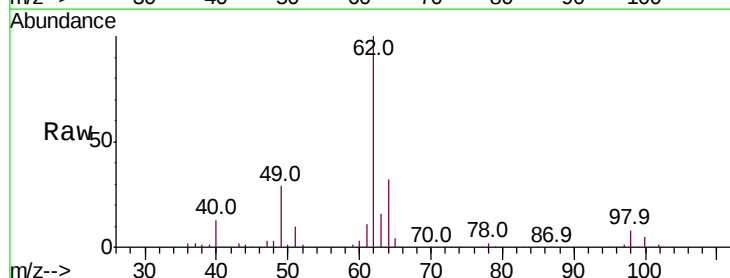


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

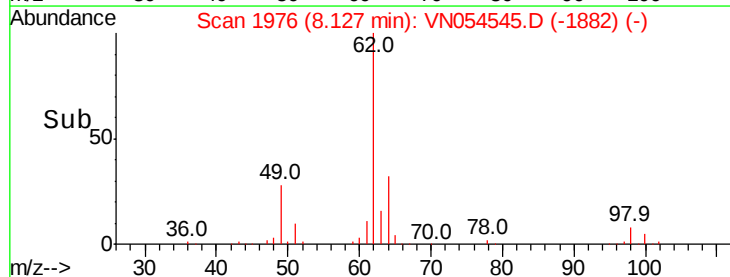
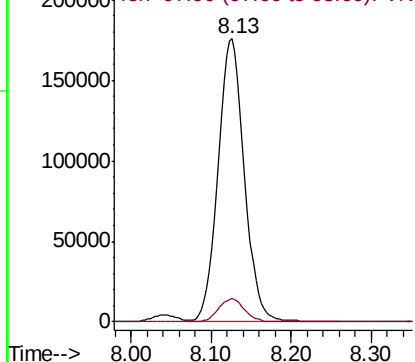


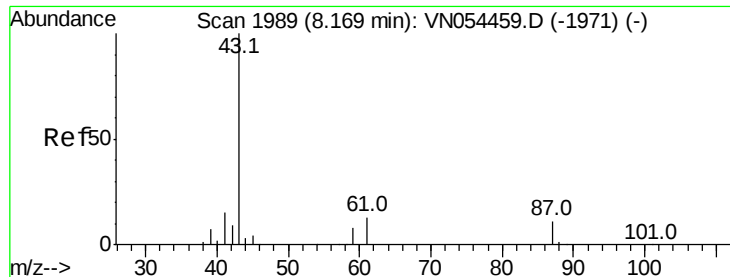
#42
1,2-Dichloroethane
Concen: 51.798 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 56.330 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

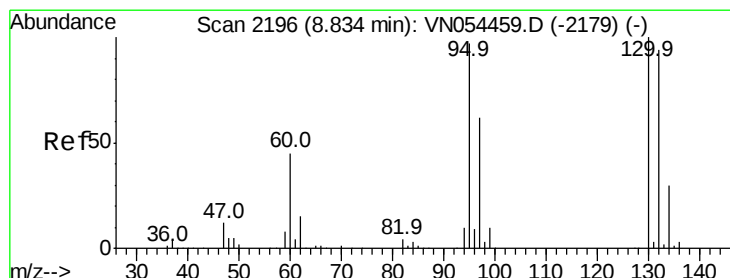
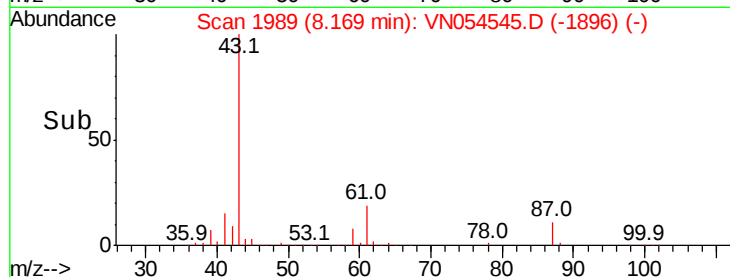
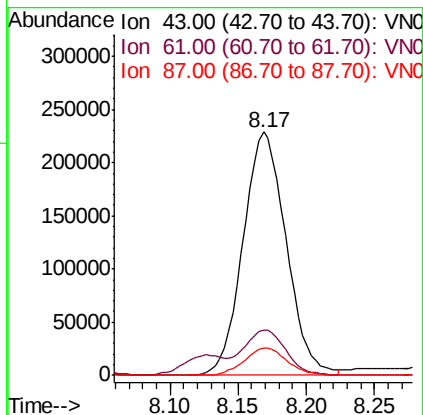
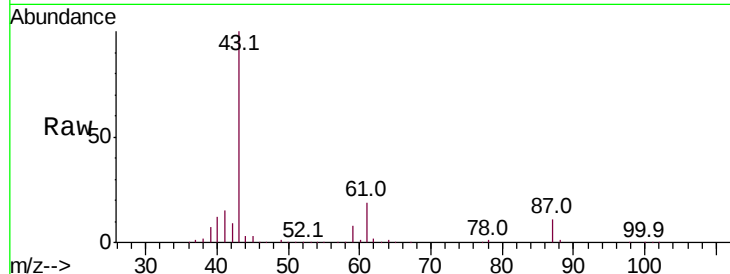
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	498912
Ion Ratio	Lower	Upper	
43	100		
61	18.0	15.8	23.8
87	11.4	12.0	18.0#

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#44

Trichloroethene

Concen: 48.487 ug/l

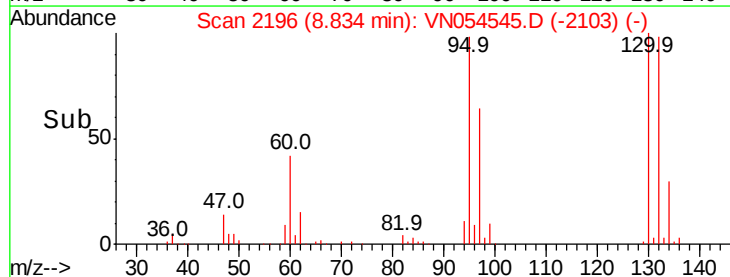
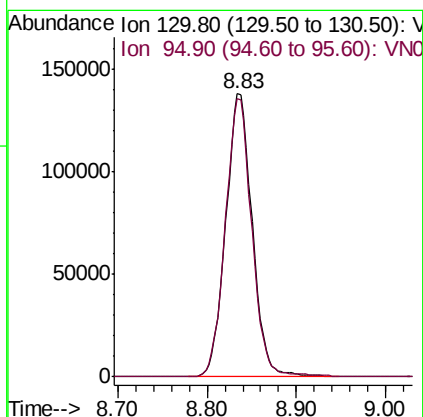
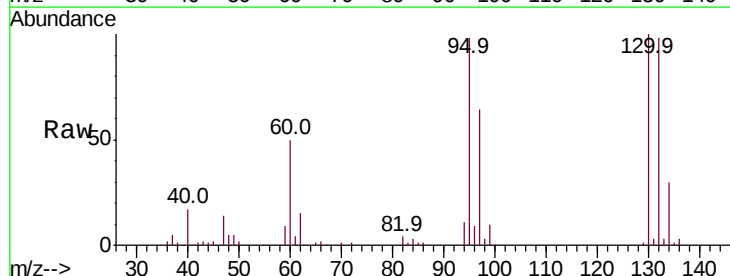
RT: 8.83 min Scan# 2196

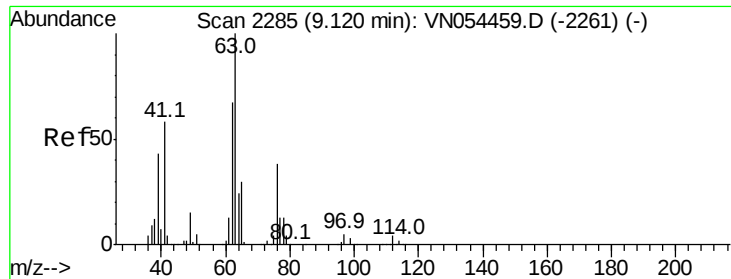
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	130	Resp:	284234
Ion Ratio	Lower	Upper	
130	100		
95	98.1	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.778 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 304482

Ion Ratio Lower Upper

63 100

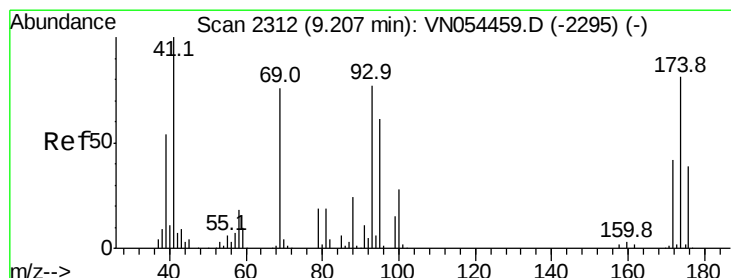
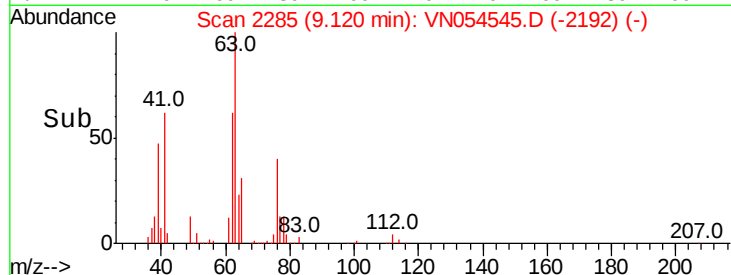
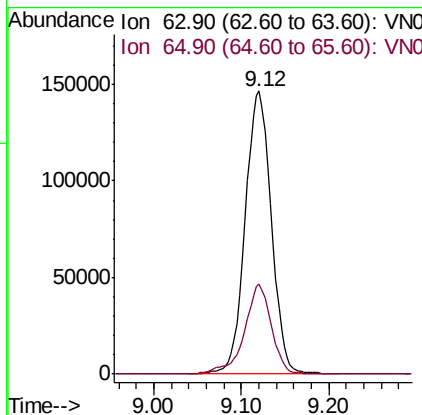
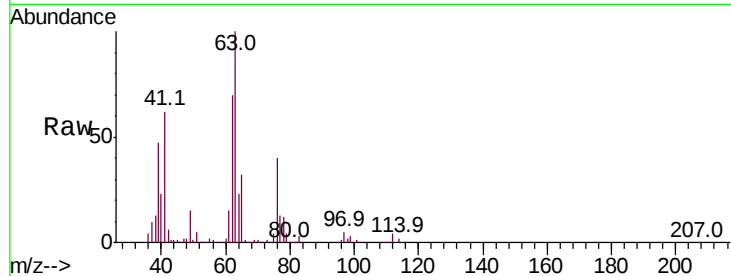
65 31.8 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 52.898 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

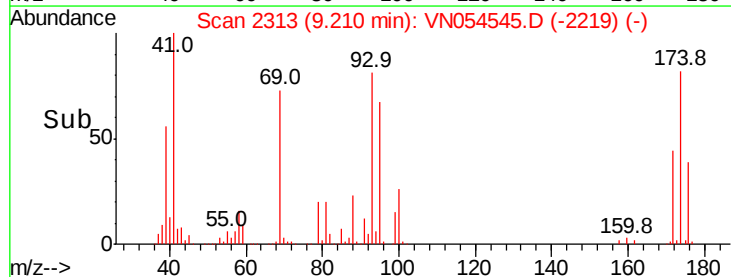
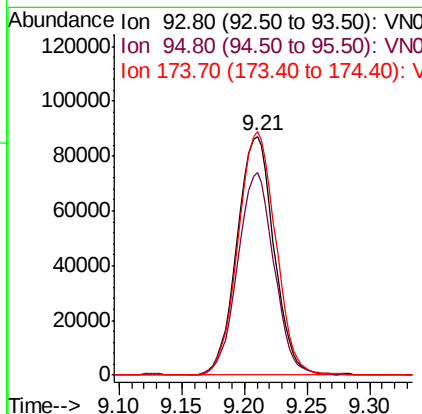
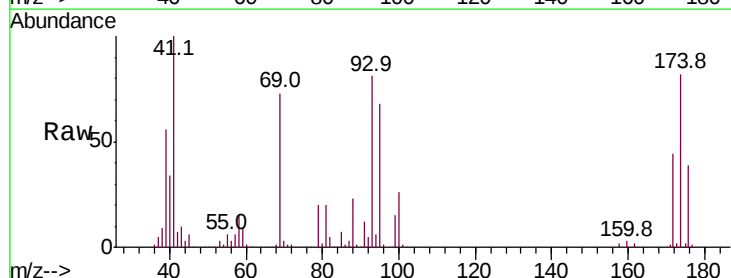
Tgt Ion: 93 Resp: 178672

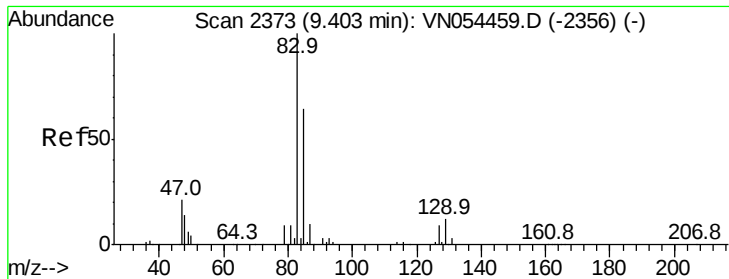
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 103.4 98.5 147.7





#47

Bromodichloromethane

Concen: 53.274 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

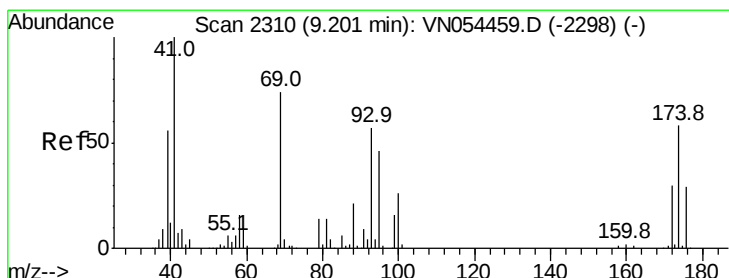
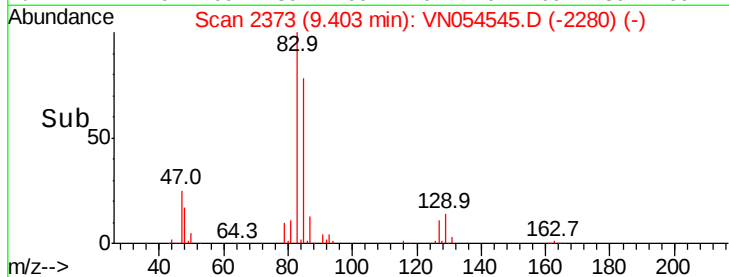
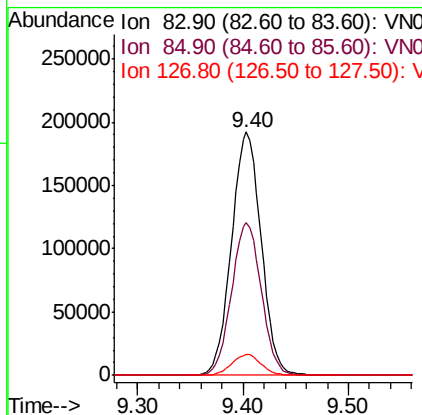
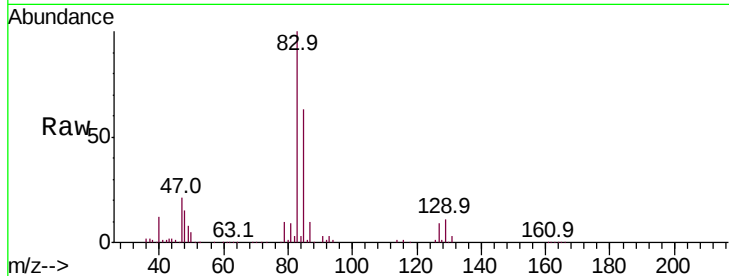
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	373446
Ion Ratio	Lower	Upper	
83	100		
85	62.9	52.8	79.2
127	8.6	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.178 ug/l

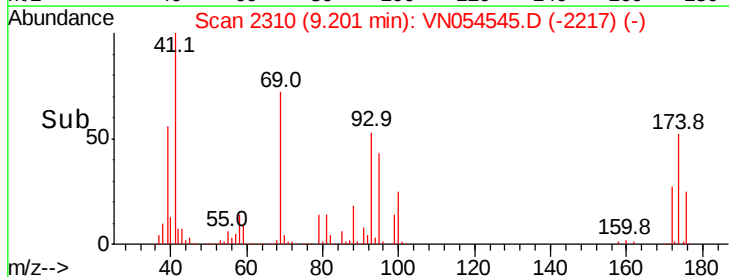
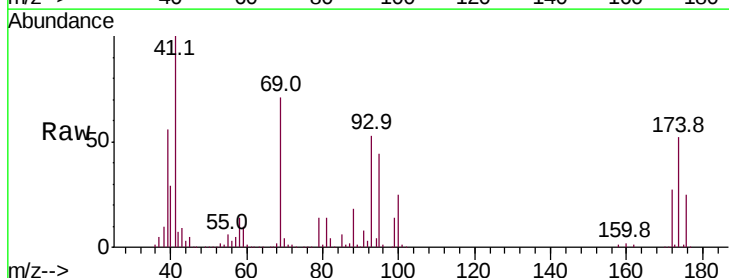
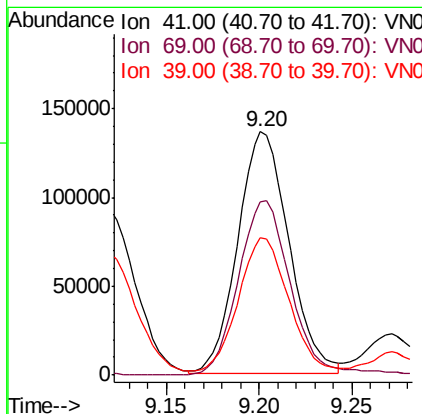
RT: 9.20 min Scan# 2310

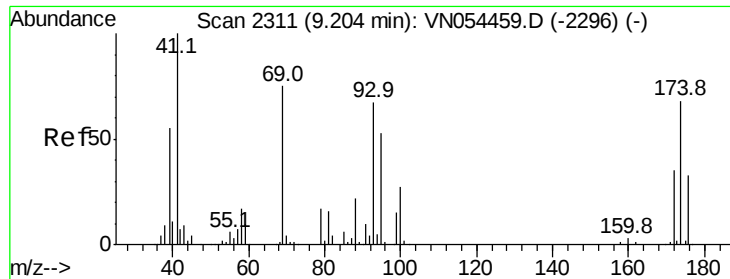
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	41	Resp:	260442
Ion Ratio	Lower	Upper	
41	100		
69	74.9	72.6	108.8
39	56.9	47.5	71.3





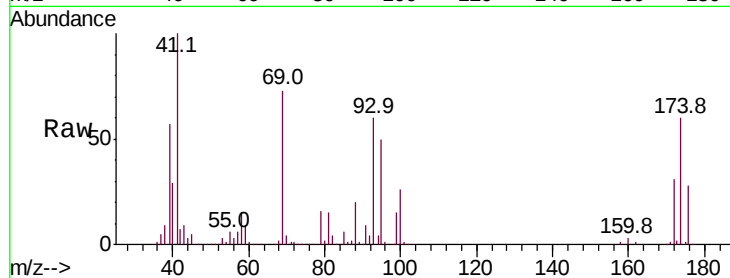
#49
1,4-Dioxane
Concen: 1042.373 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

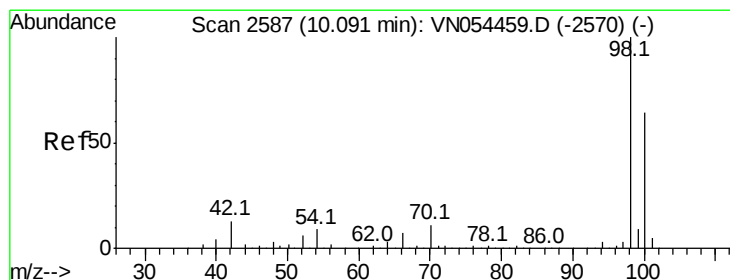
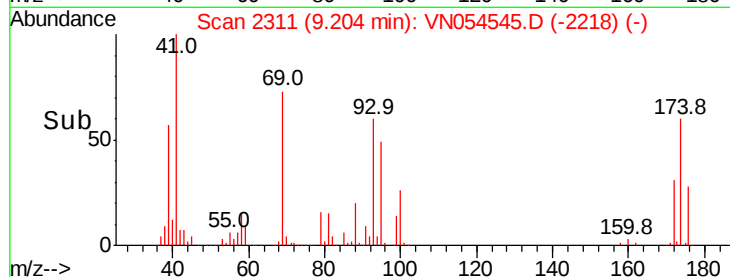
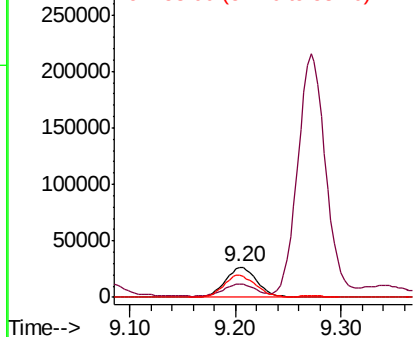
Tot Ion: 88 Resp: 56019
Ion Ratio Lower Upper
88 100
43 41.4 24.1 36.1#
58 73.5 50.8 76.2

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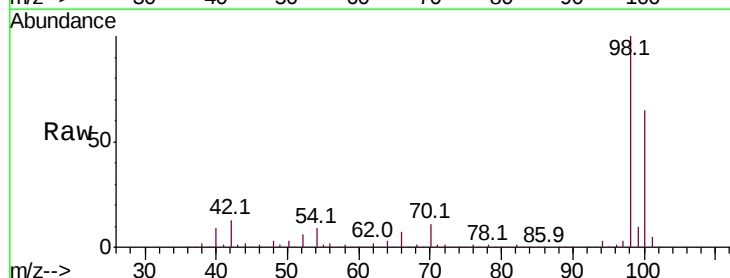


Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

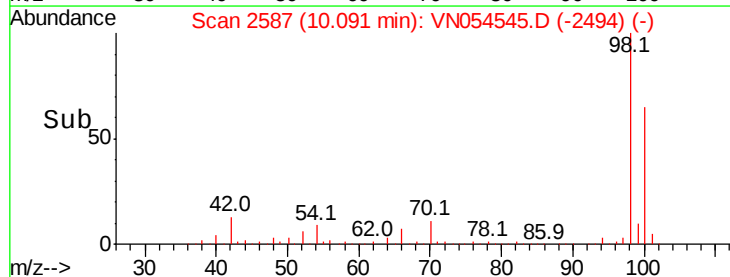
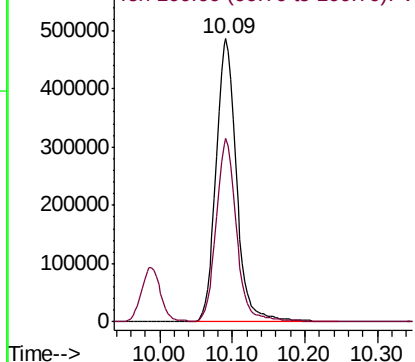


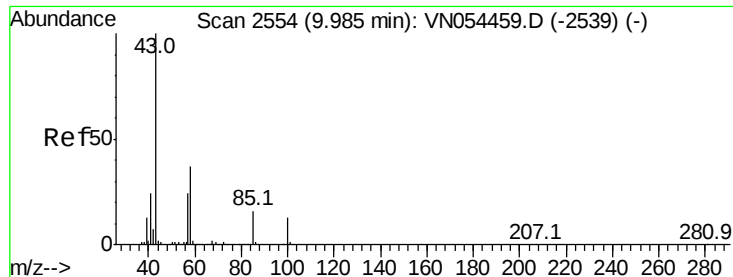
#50
Toluene-d8
Concen: 49.835 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion: 98 Resp: 951843
Ion Ratio Lower Upper
98 100
100 63.7 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 290.313 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1425015

Ion Ratio Lower Upper

43 100

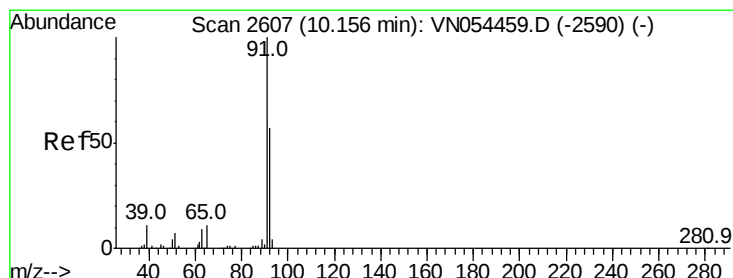
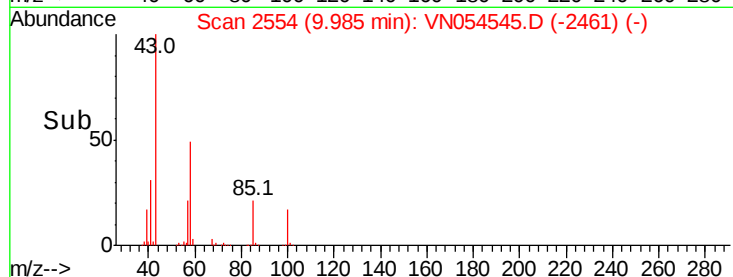
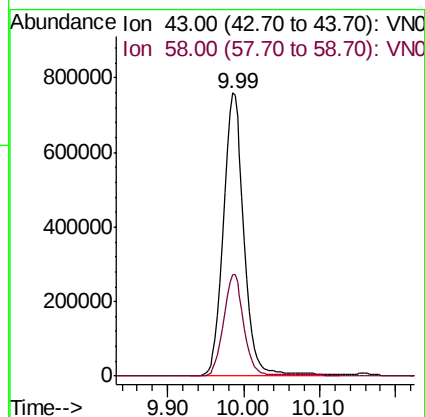
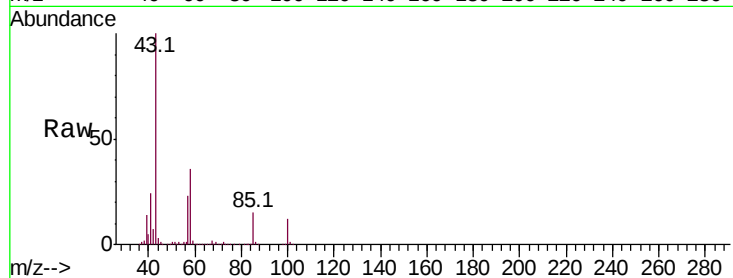
58 35.4 31.8 47.6

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#52

Toluene

Concen: 49.689 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054545.D

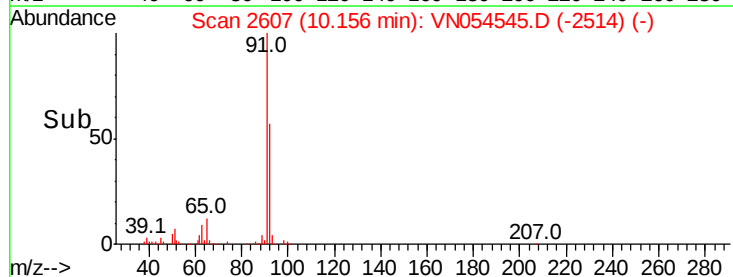
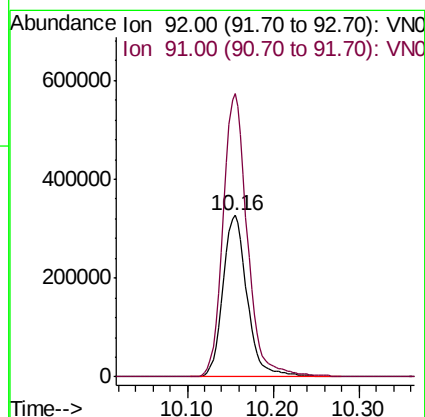
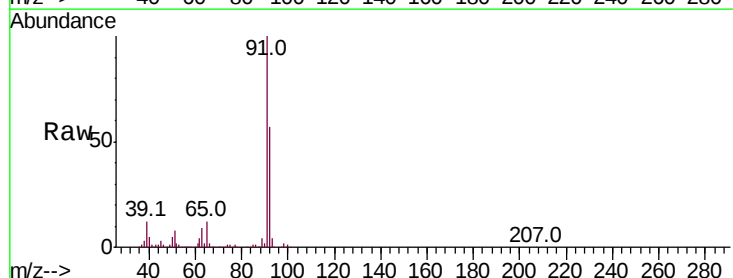
Acq: 22 Mar 2019 7:46

Tgt Ion: 92 Resp: 644378

Ion Ratio Lower Upper

92 100

91 175.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 45.528 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054545.D

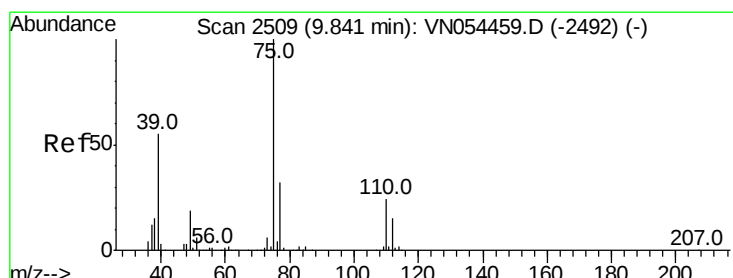
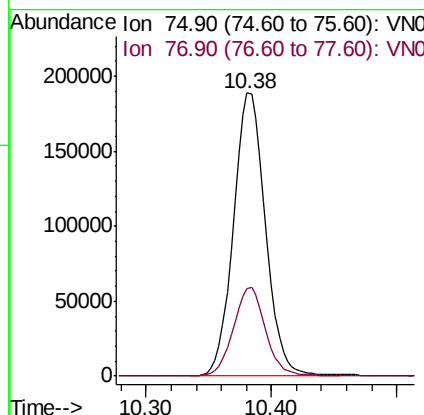
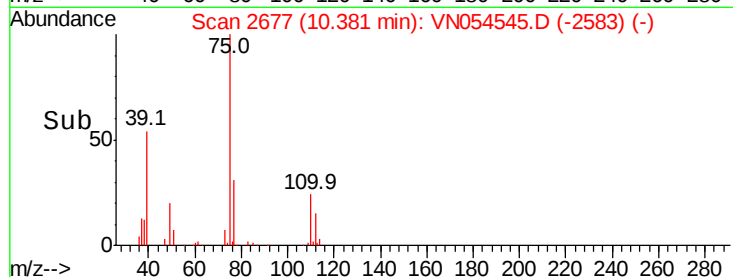
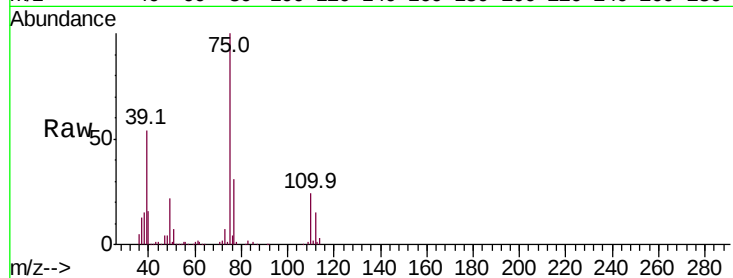
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.092 ug/l

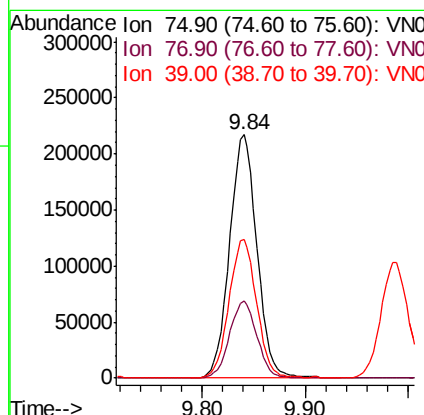
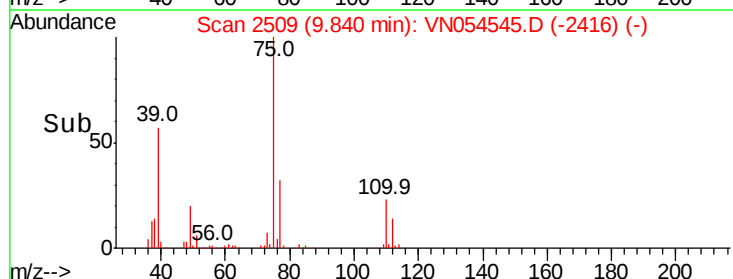
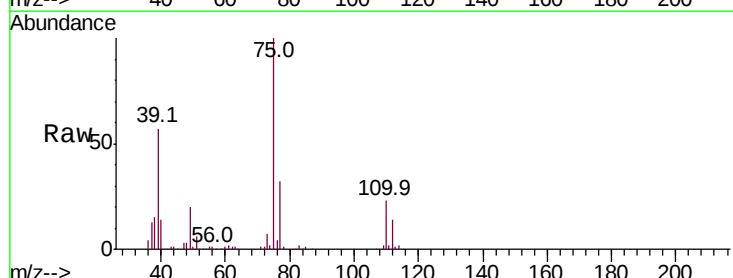
RT: 9.84 min Scan# 2509

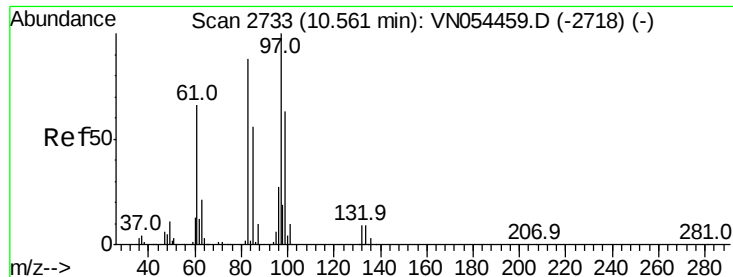
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.0
39	56.7	37.2	55.8#





#55

1,1,2-Trichloroethane

Concen: 52.191 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

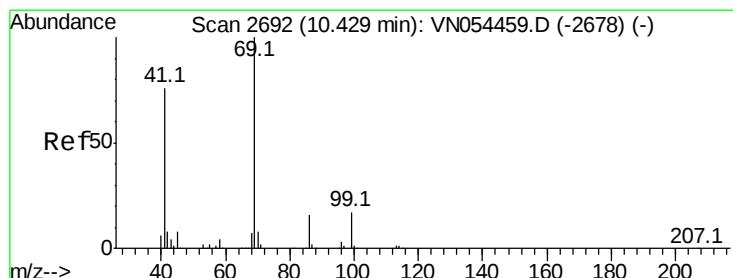
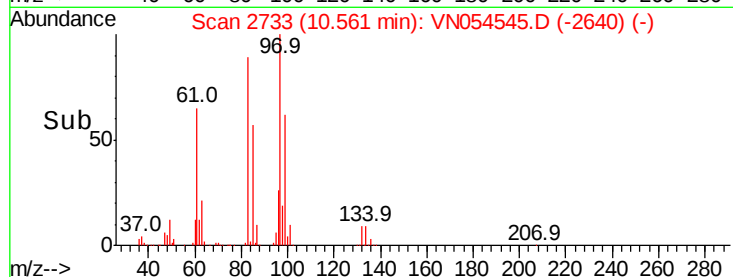
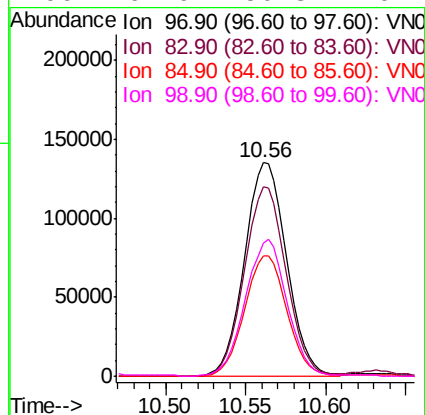
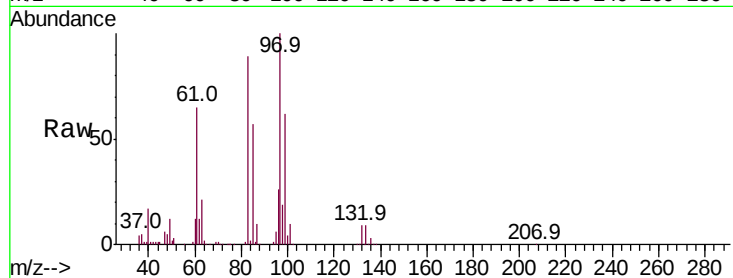
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		243295		
83	88.9	66.6	100.0		
85	56.6	44.4	66.6		
99	61.9	50.8	76.2		

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#56

Ethyl methacrylate

Concen: 55.410 ug/l

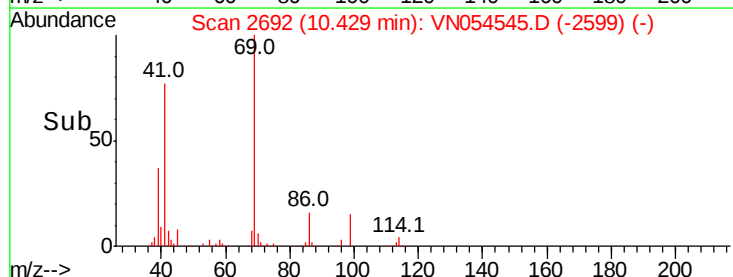
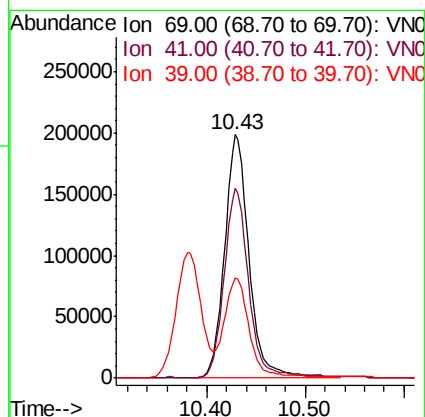
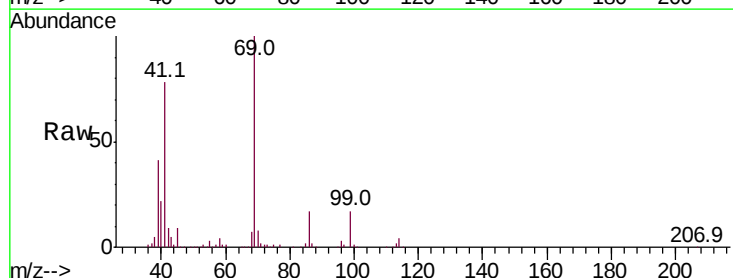
RT: 10.43 min Scan# 2692

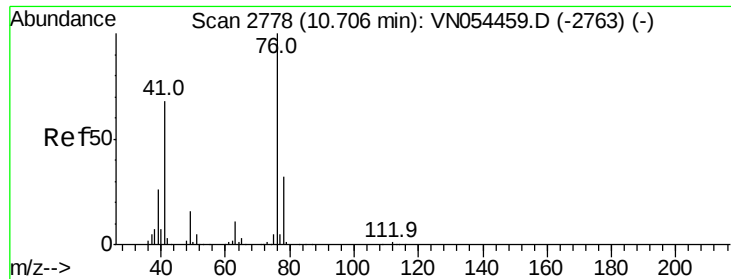
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		346695		
41	76.6	49.4	74.2#		
39	41.2	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 52.801 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 427869

Ion Ratio Lower Upper

76 100

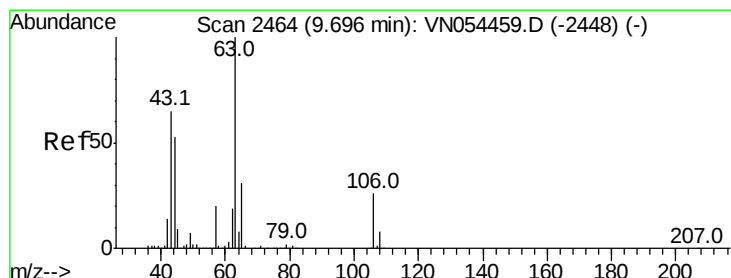
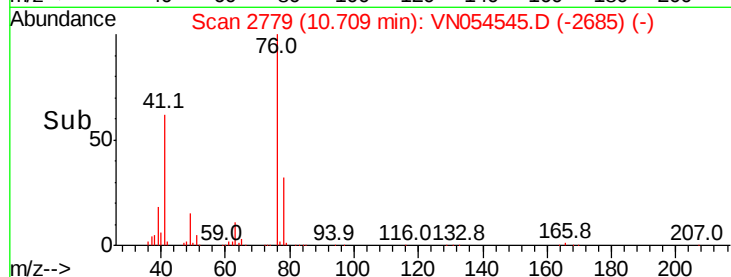
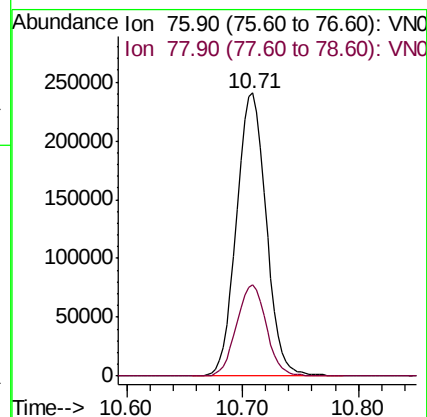
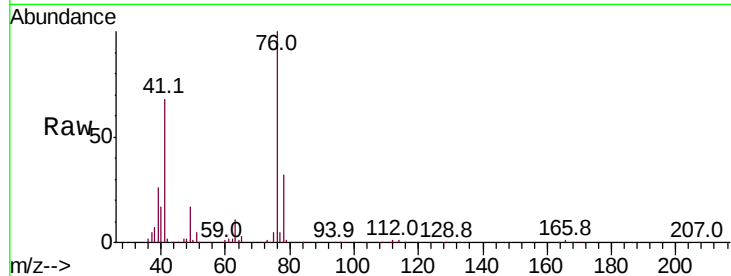
78 32.4 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 277.122 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054545.D

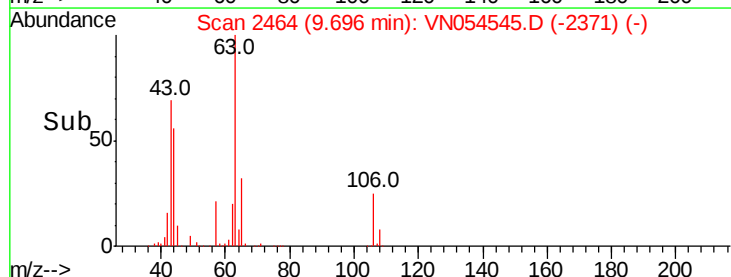
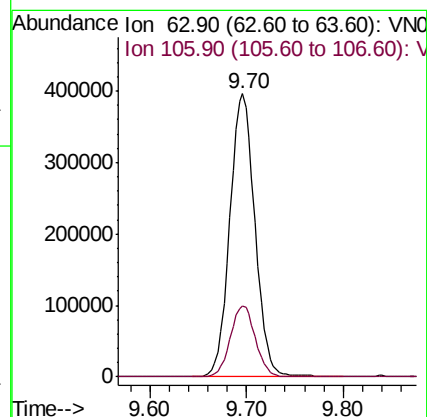
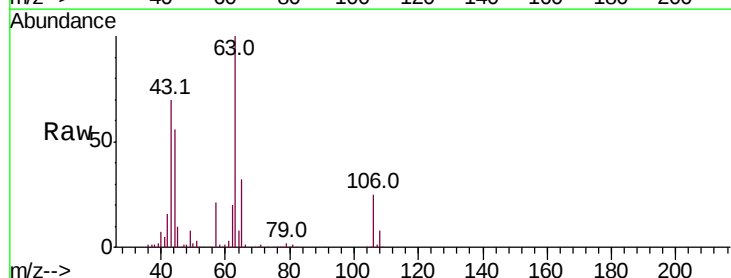
Acq: 22 Mar 2019 7:46

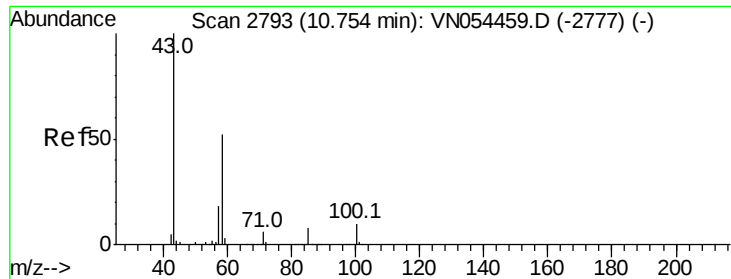
Tgt Ion: 63 Resp: 713987

Ion Ratio Lower Upper

63 100

106 25.1 24.4 36.6





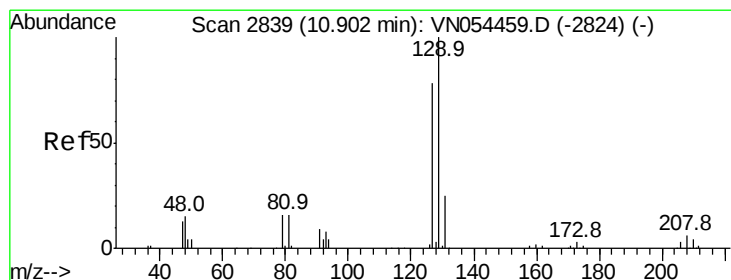
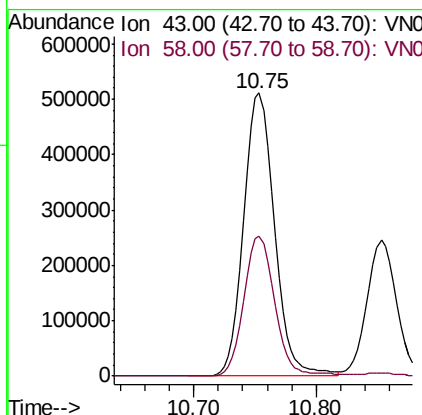
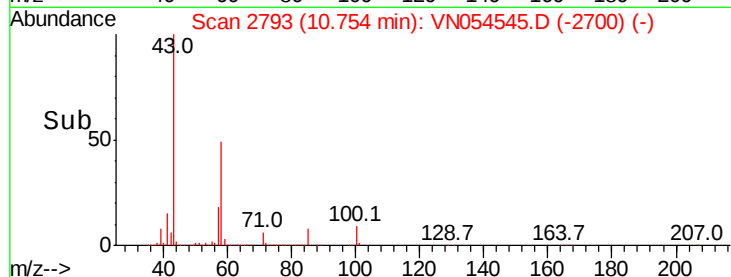
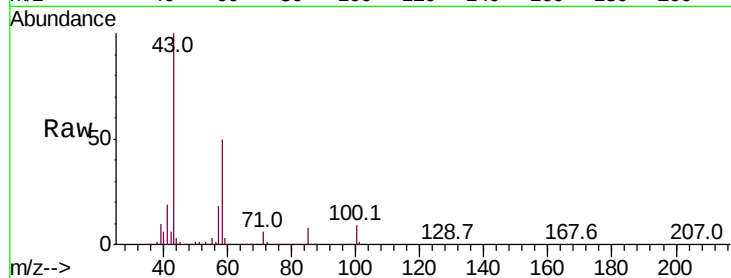
#59
2-Hexanone
Concen: 276.657 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 887018
Ion Ratio Lower Upper
43 100
58 49.8 28.0 83.9

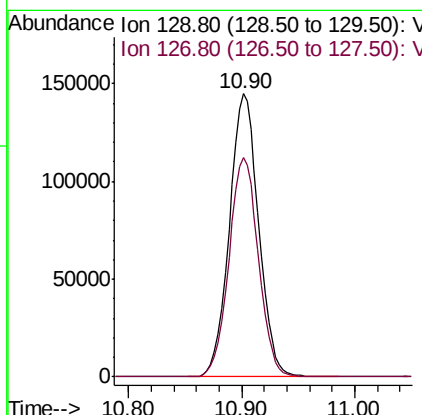
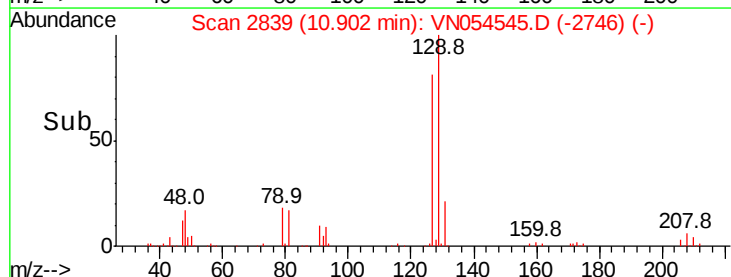
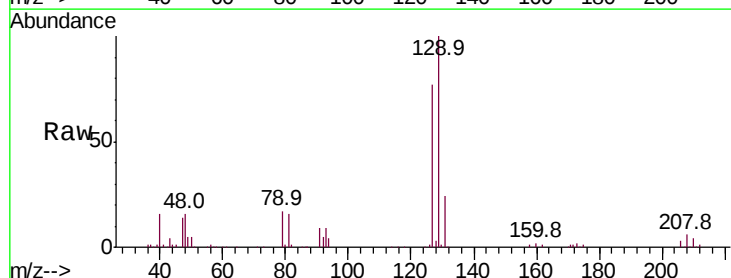
Manual Integrations
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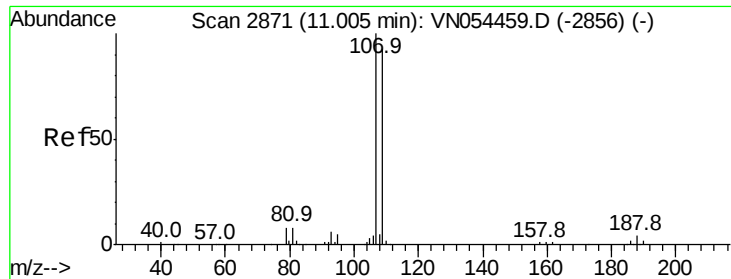
MMDadoda
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#60
Dibromochloromethane
Concen: 52.339 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion: 129 Resp: 259625
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 52.438 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 241664

Ion Ratio Lower Upper

107 100

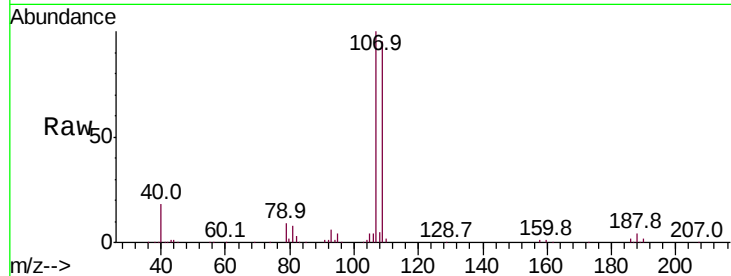
109 95.1 75.9 113.9

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

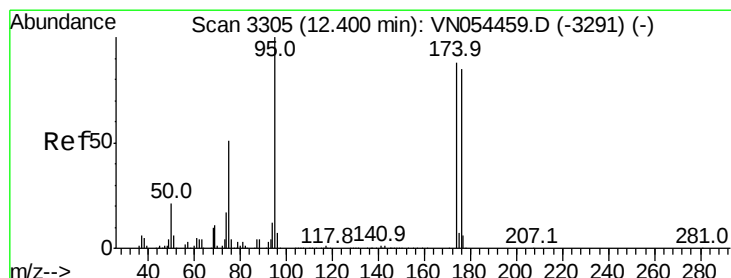
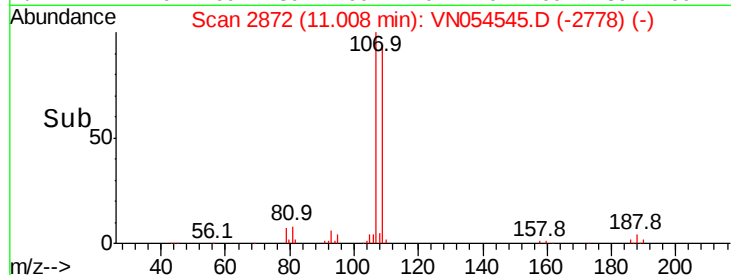
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.195 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

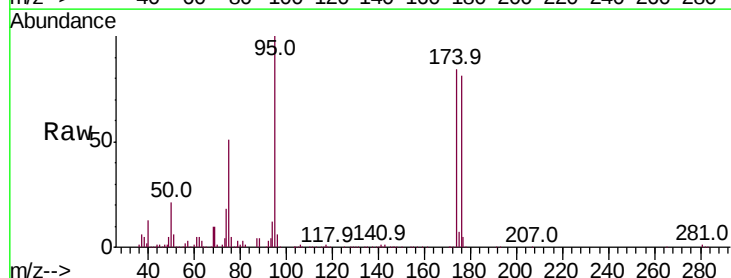
Tgt Ion: 95 Resp: 319738

Ion Ratio Lower Upper

95 100

174 84.9 0.0 191.0

176 82.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

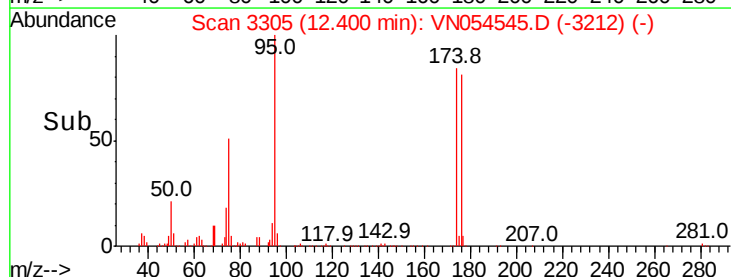
150000

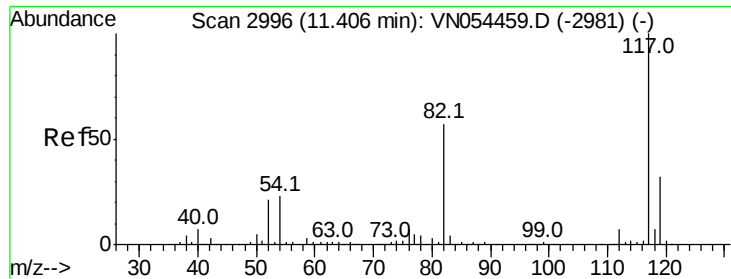
100000

50000

0

Time--> 12.30 12.40 12.50





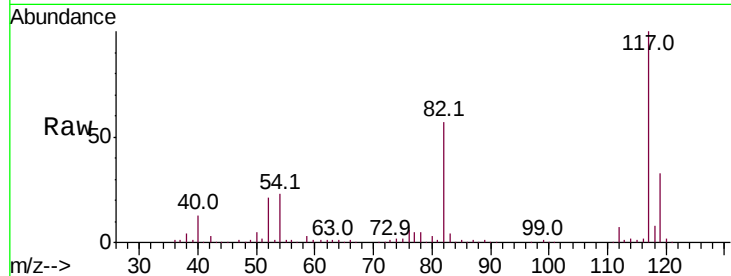
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	40.0	60.0
119	32.9	25.8	38.6

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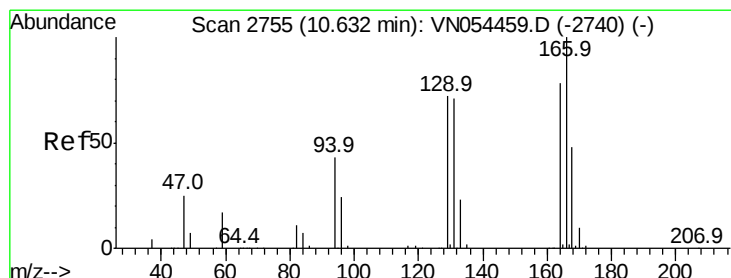
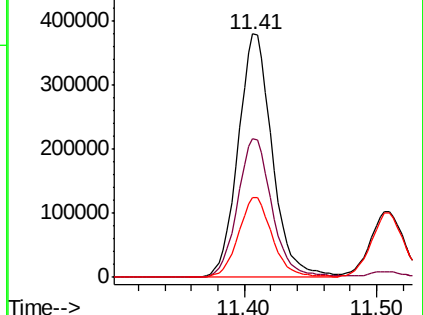
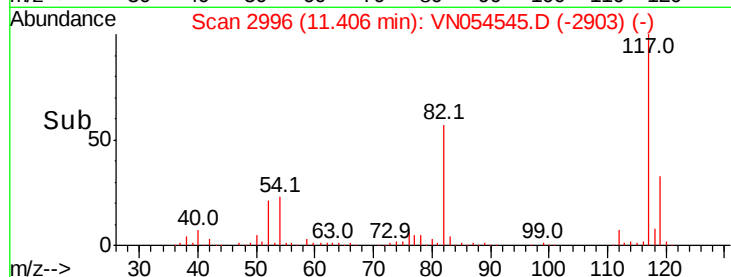


Abundance

Ion 116.90 (116.60 to 117.60): V

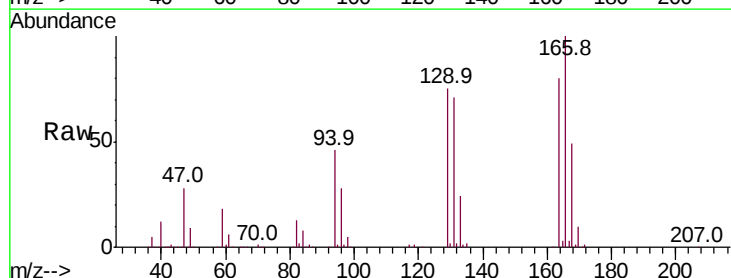
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.616 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.9	155.9
129	93.4	71.1	106.7
131	88.6	68.2	102.4



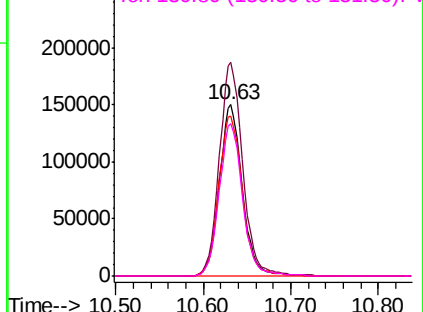
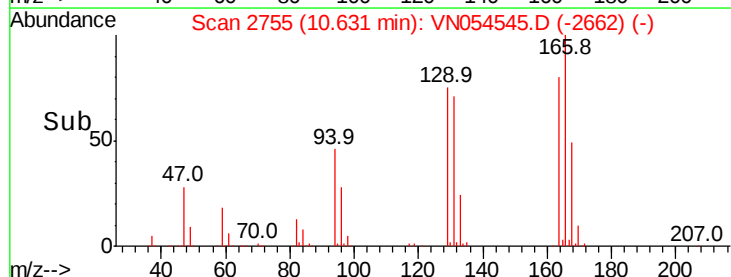
Abundance

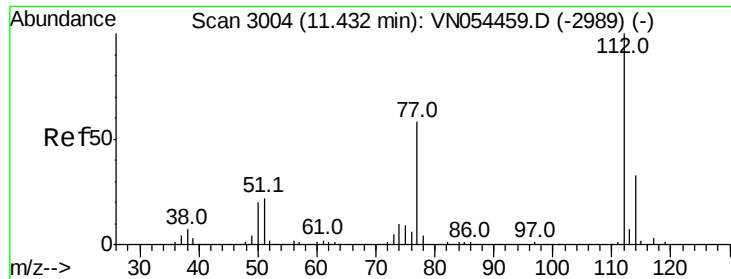
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





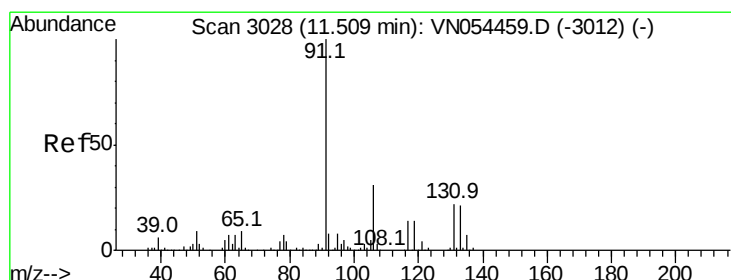
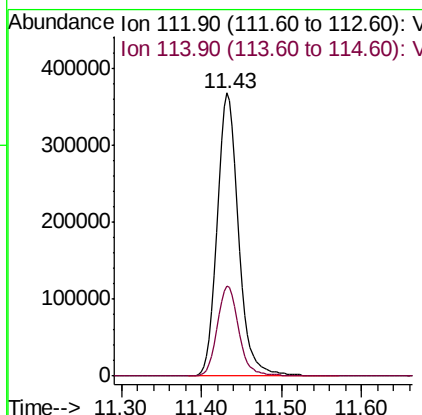
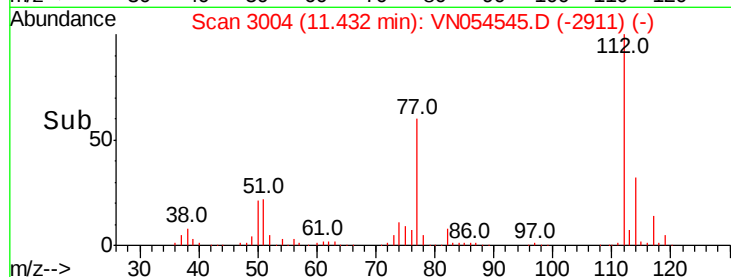
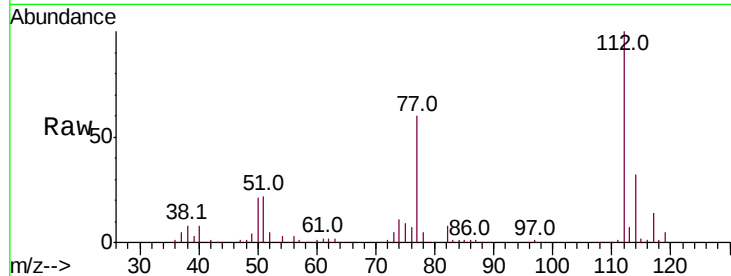
#65
Chlorobenzene
Concen: 49.483 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 683583
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9

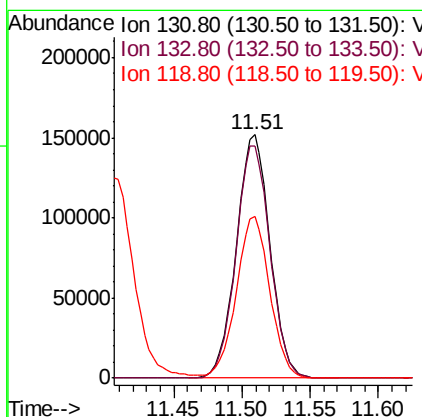
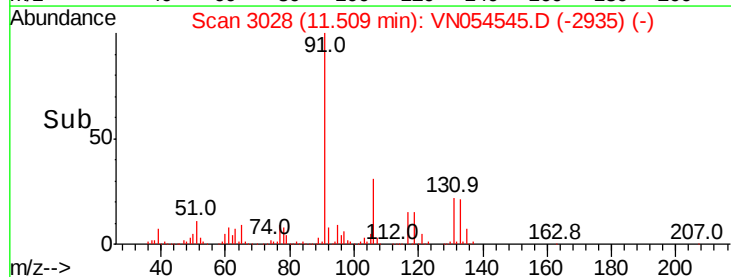
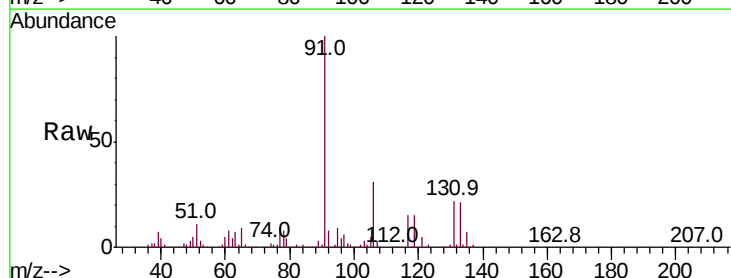
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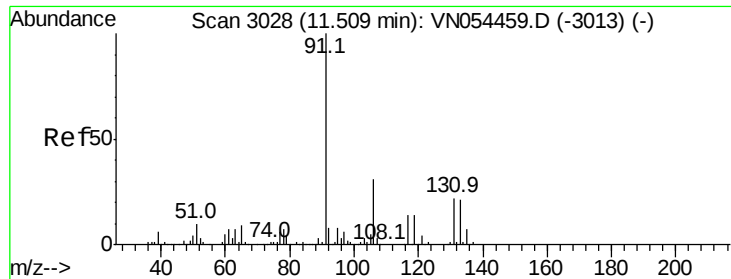
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.416 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion:131 Resp: 259901
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.9
119 66.4 32.4 97.0





#67

Ethyl Benzene

Concen: 49.524 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1208493

Ion Ratio Lower Upper

91 100

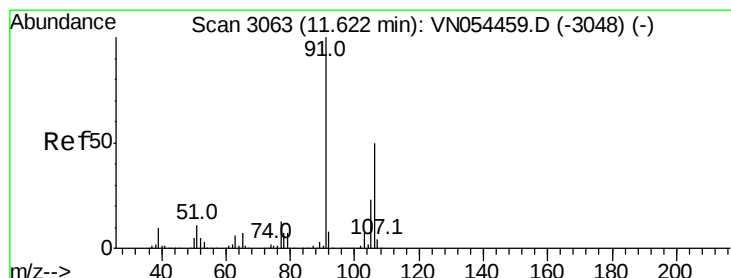
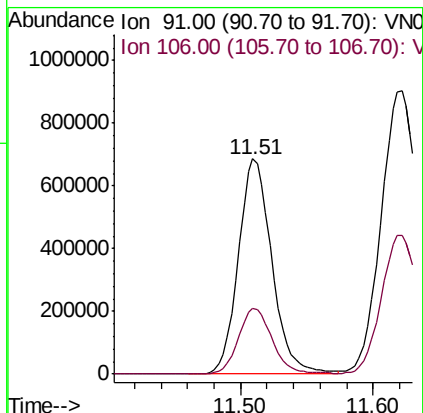
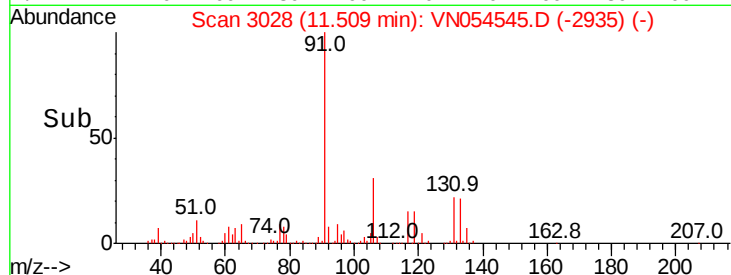
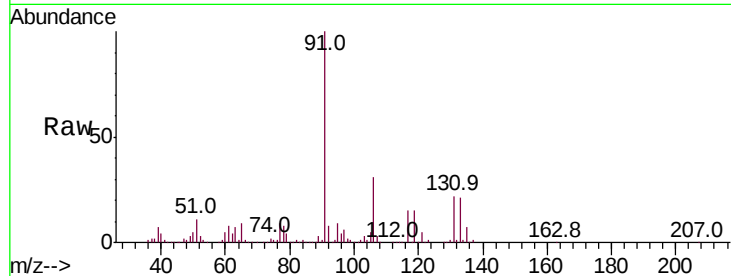
106 30.8 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 97.717 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054545.D

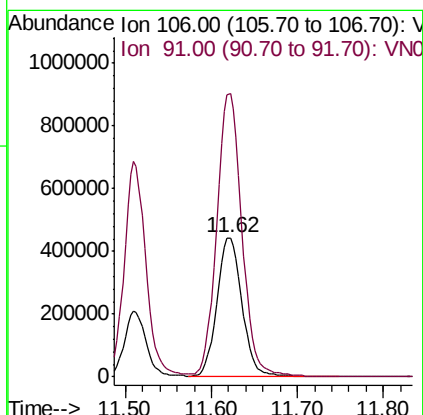
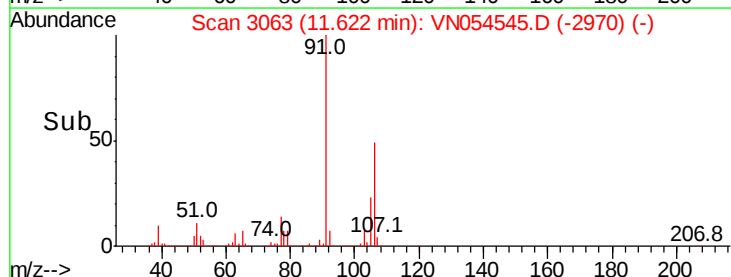
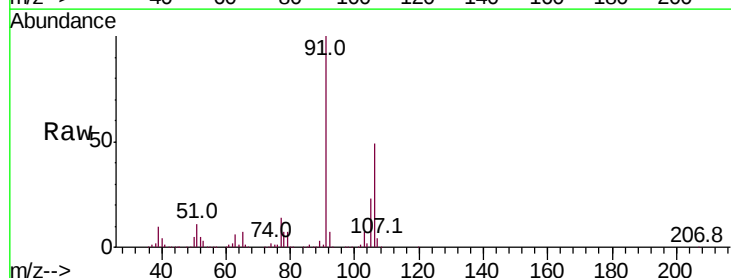
Acq: 22 Mar 2019 7:46

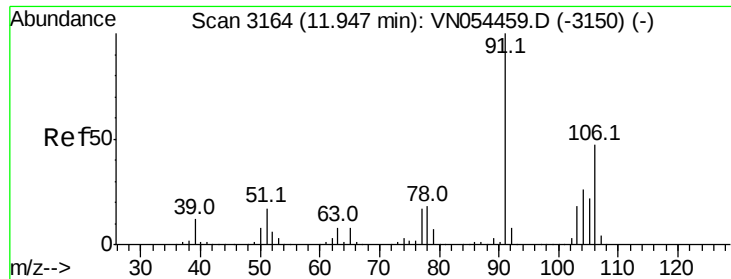
Tgt Ion: 106 Resp: 903189

Ion Ratio Lower Upper

106 100

91 203.8 159.4 239.2





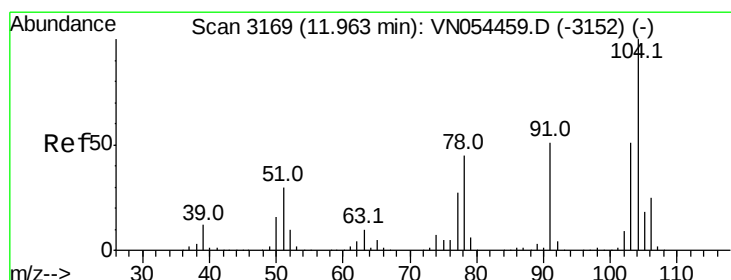
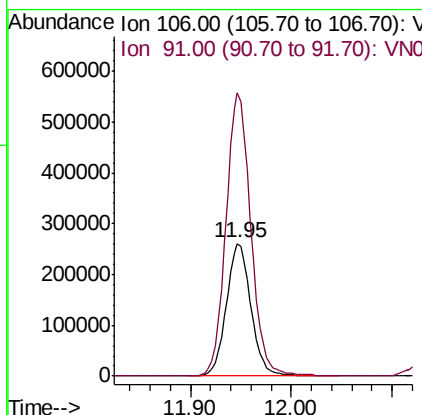
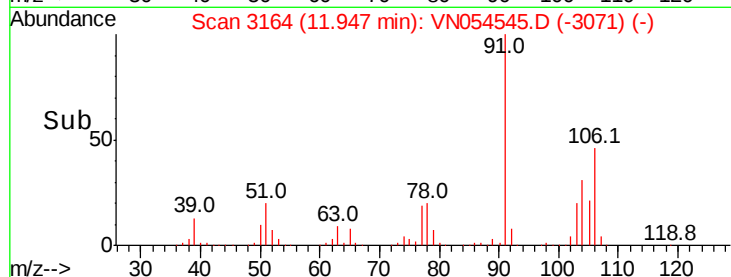
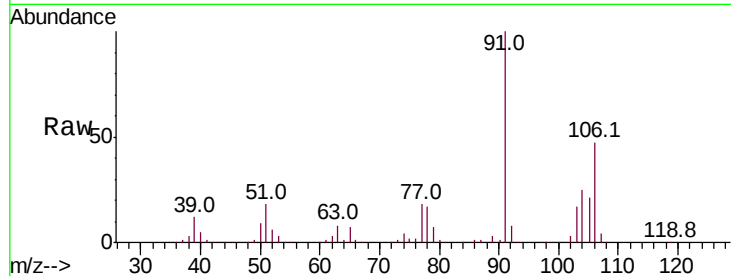
#69
o-Xylene
Concen: 49.311 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 445116
Ion Ratio Lower Upper
106 100
91 215.4 105.7 317.1

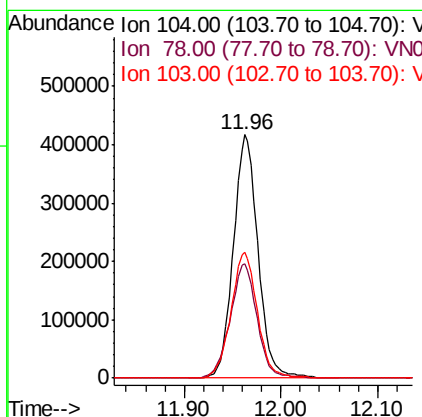
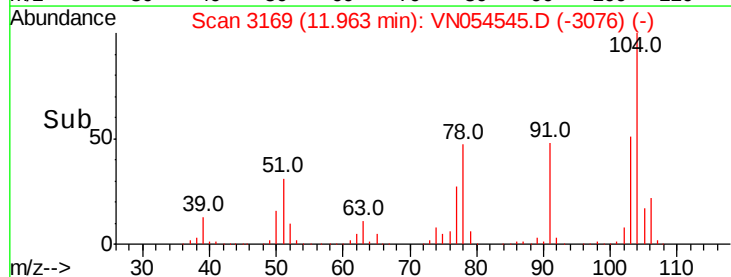
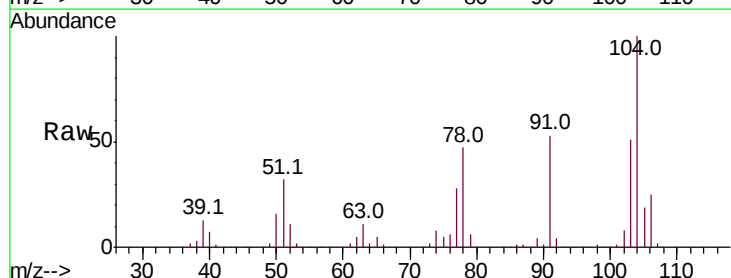
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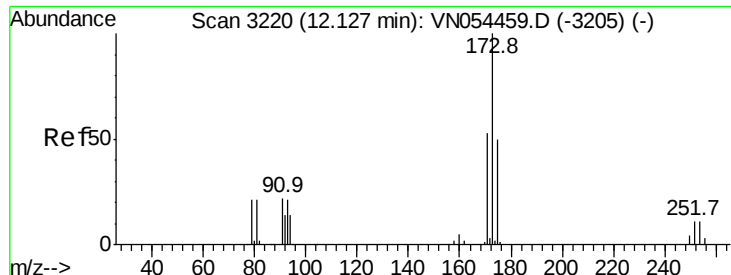
MMDadoda
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#70
Styrene
Concen: 50.377 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion:104 Resp: 738457
Ion Ratio Lower Upper
104 100
78 51.2 38.2 57.2
103 55.3 44.4 66.6





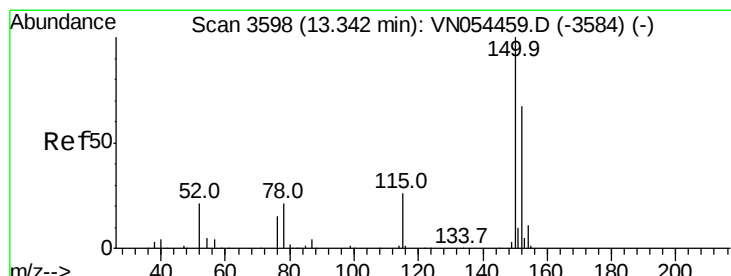
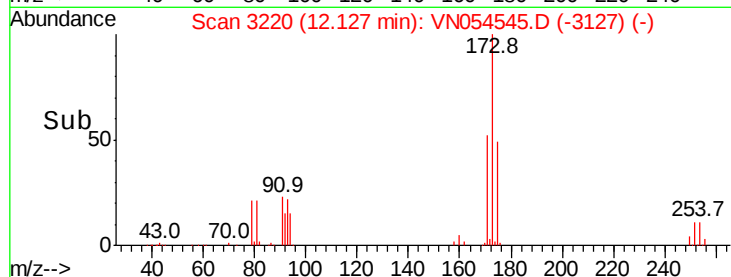
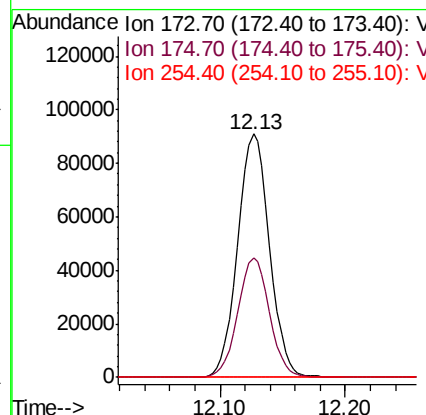
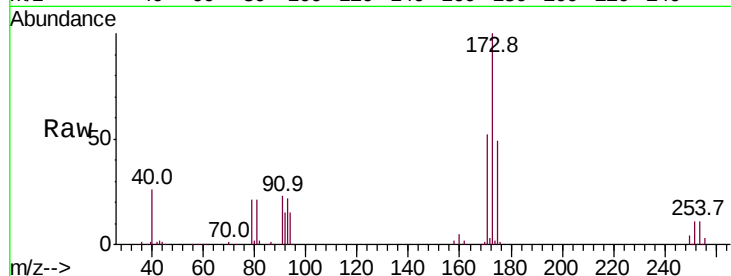
#71
Bromoform
Concen: 47.053 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.2
254	0.1	0.1	0.1

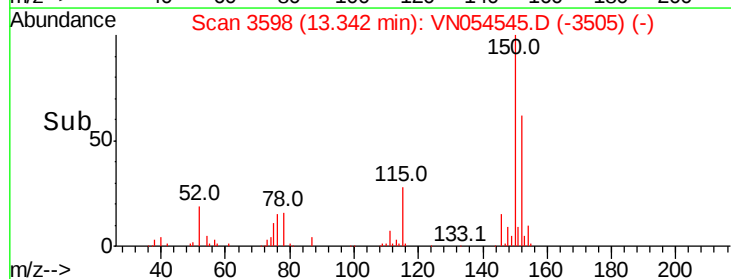
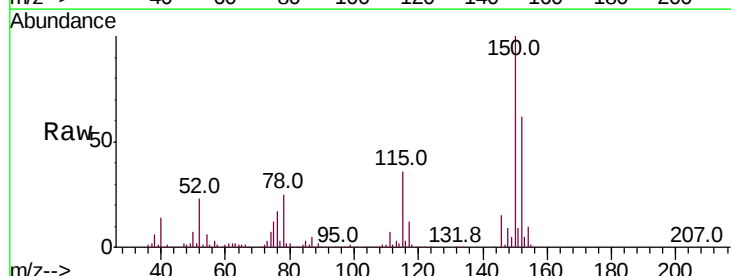
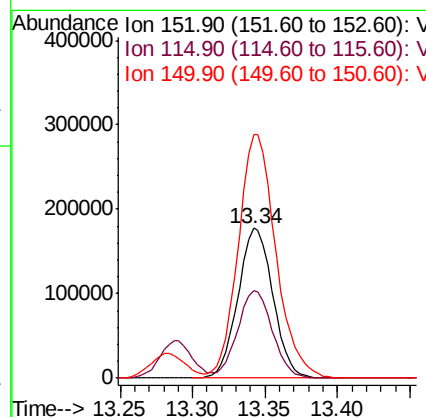
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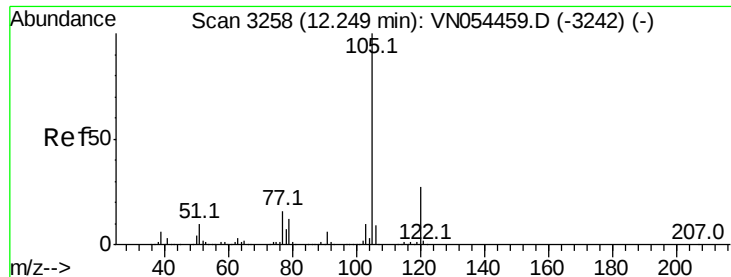
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.1	27.2	81.6
150	174.5	0.0	349.2





#73

Isopropylbenzene

Concen: 48.181 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1156755

Ion Ratio Lower Upper

105 100

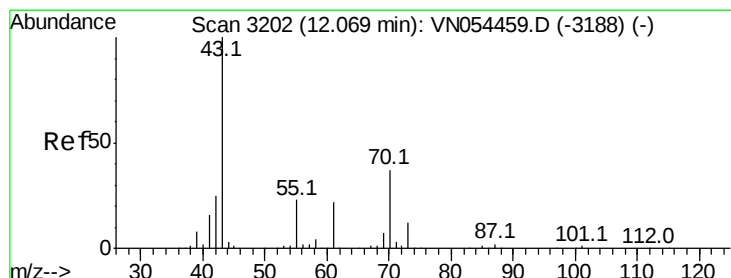
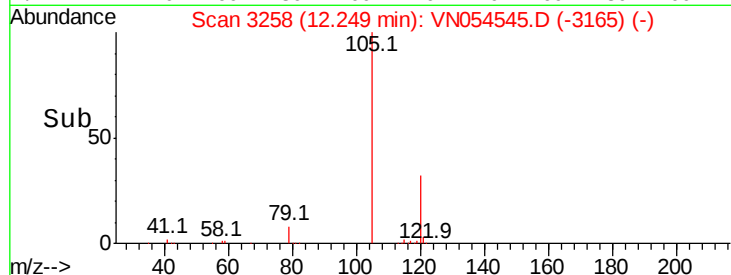
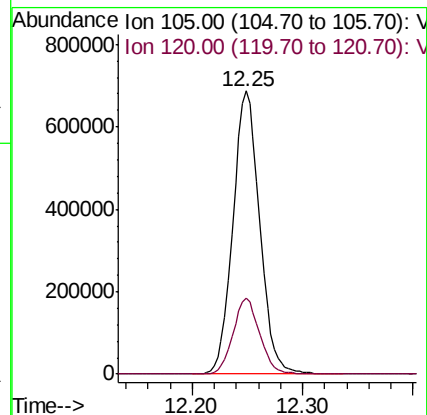
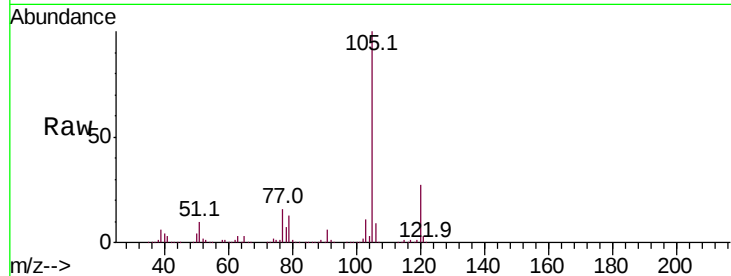
120 26.8 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 58.230 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion: 43 Resp: 401978

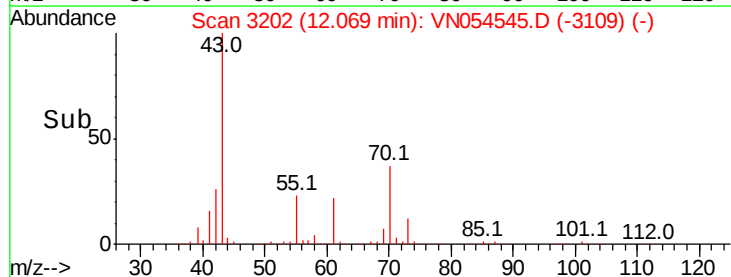
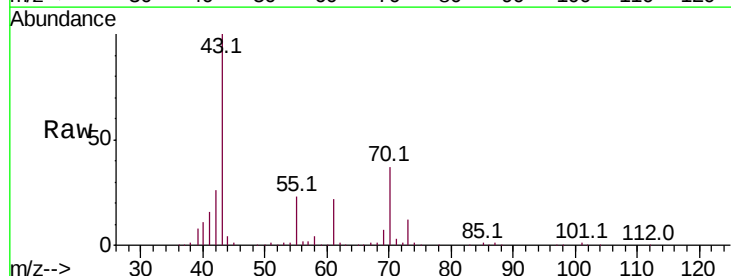
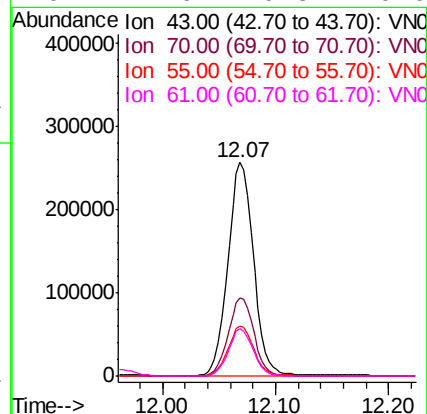
Ion Ratio Lower Upper

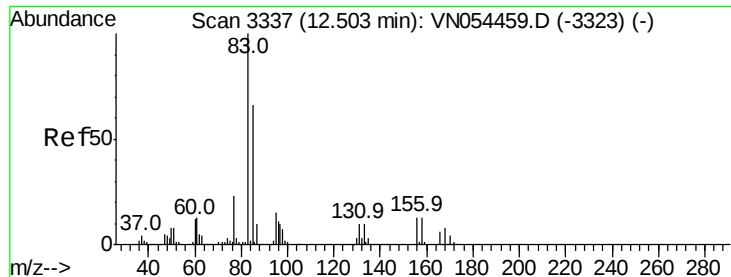
43 100

70 37.0 35.4 53.0

55 23.5 19.8 29.6

61 21.6 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.564 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

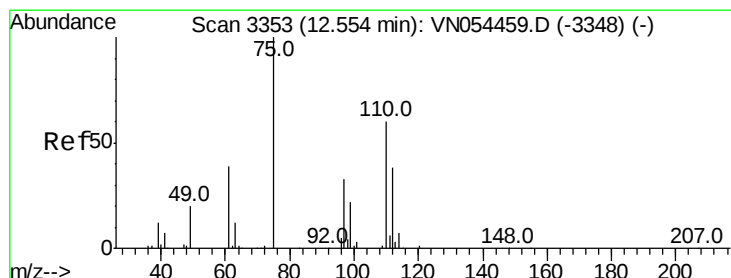
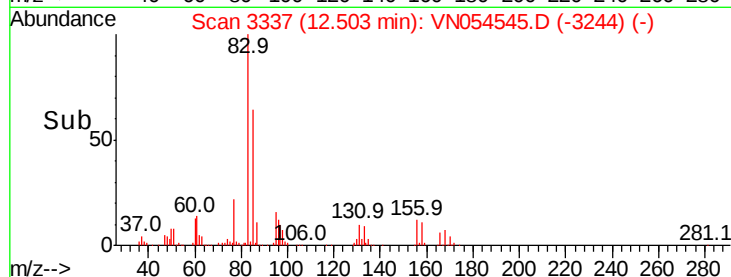
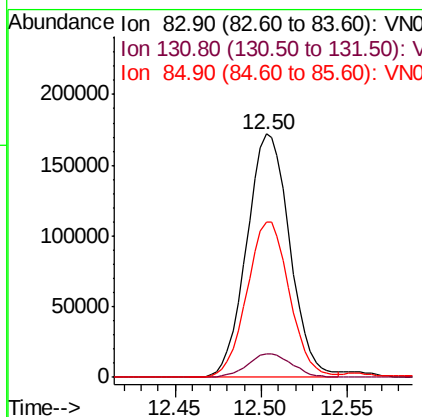
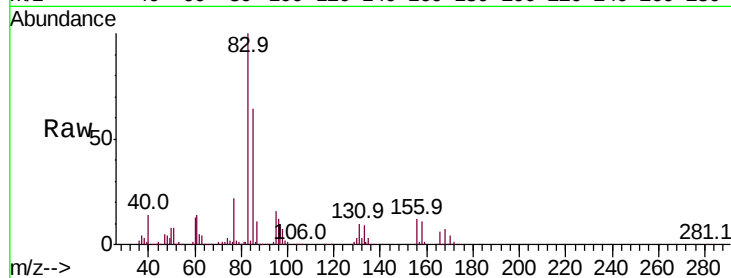
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	299039
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	63.2	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.097 ug/l m

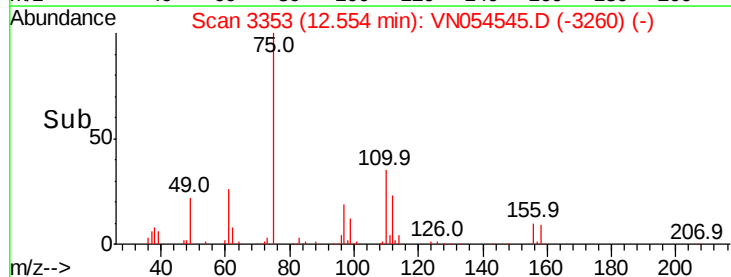
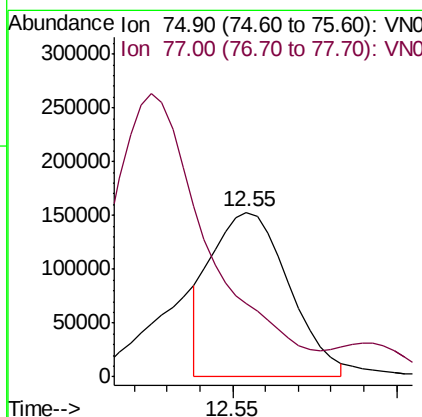
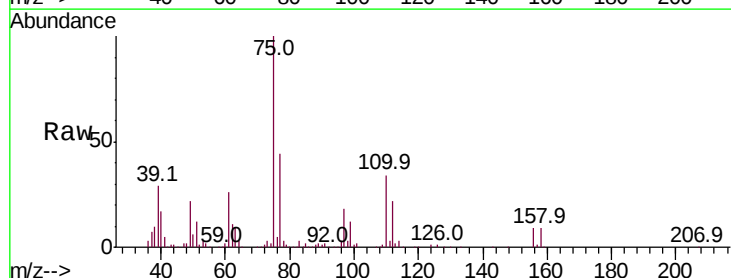
RT: 12.55 min Scan# 3353

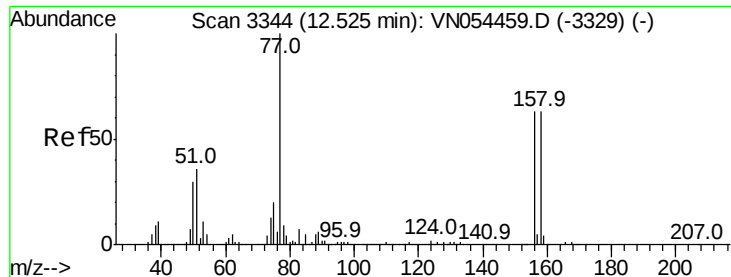
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	75	Resp:	251032
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.896 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

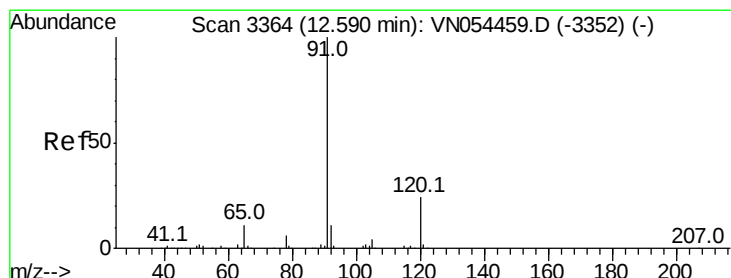
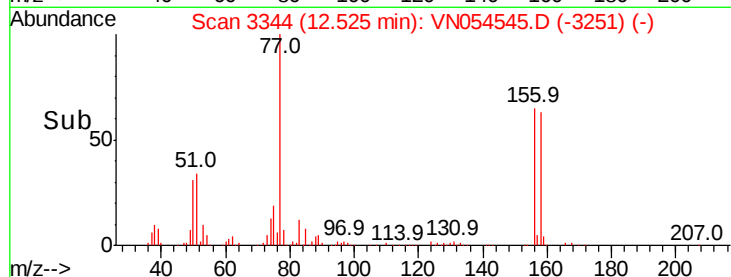
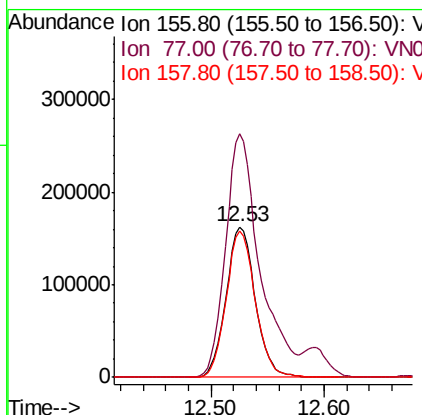
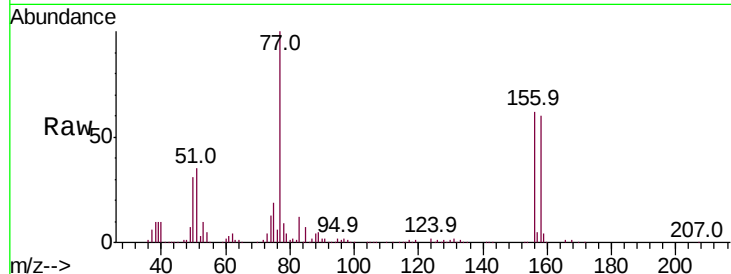
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	291146
Ion Ratio	Lower	Upper	
156	100		
77	190.9	81.5	244.4
158	97.5	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 48.505 ug/l

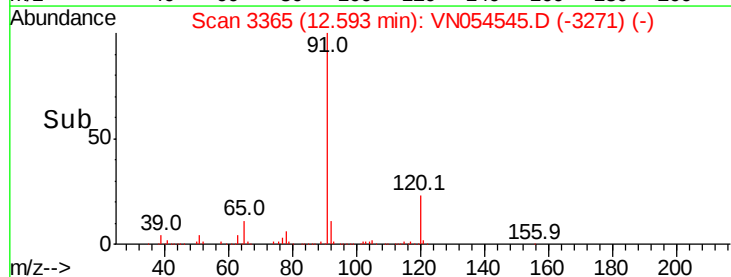
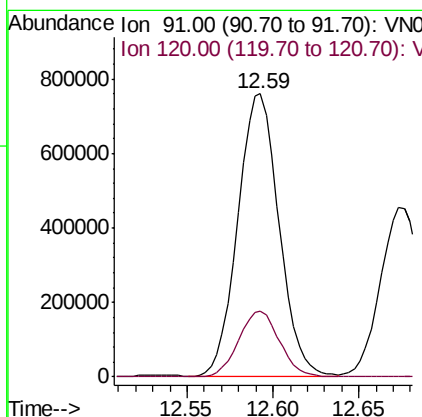
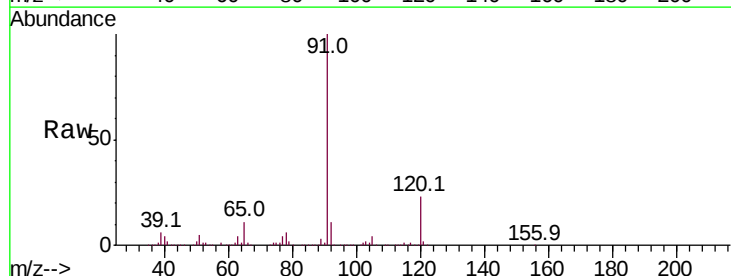
RT: 12.59 min Scan# 3365

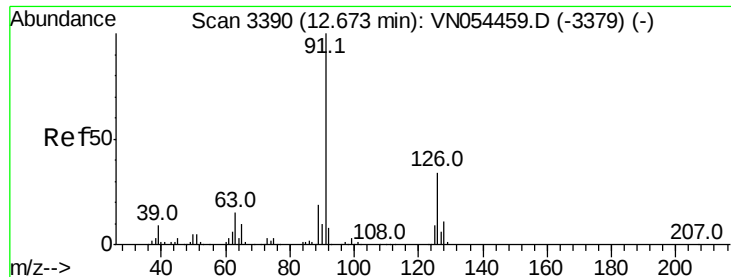
Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	91	Resp:	1262768
Ion Ratio	Lower	Upper	
91	100		
120	23.2	12.3	36.9





#79

2-Chlorotoluene

Concen: 47.774 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 775591

Ion Ratio Lower Upper

91 100

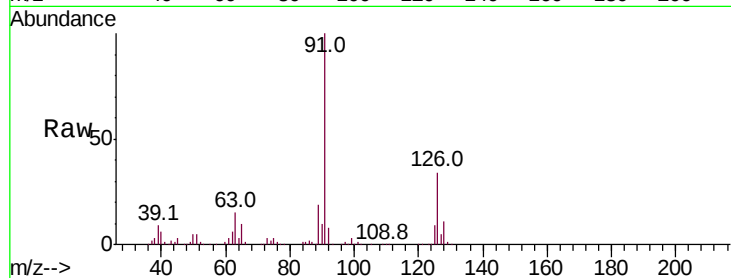
126 34.6 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)

12.67

400000

300000

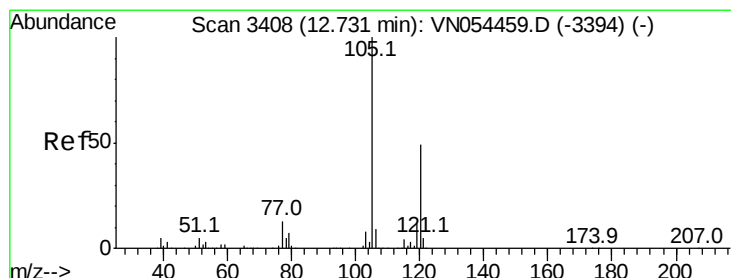
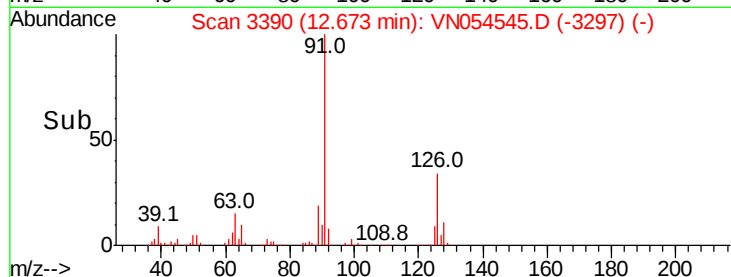
200000

100000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.428 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054545.D

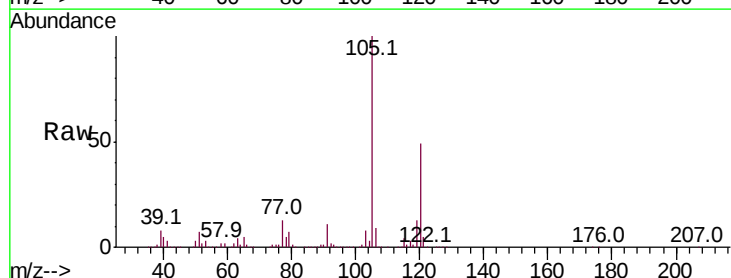
Acq: 22 Mar 2019 7:46

Tgt Ion: 105 Resp: 952919

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)

12.73

600000

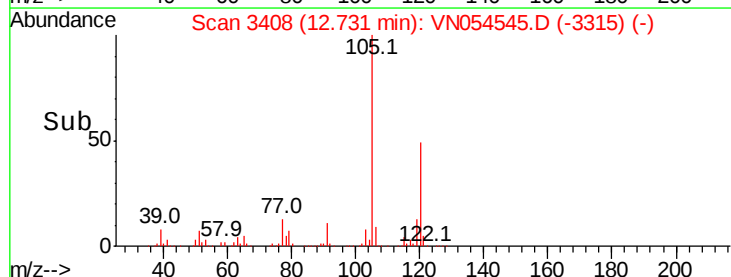
400000

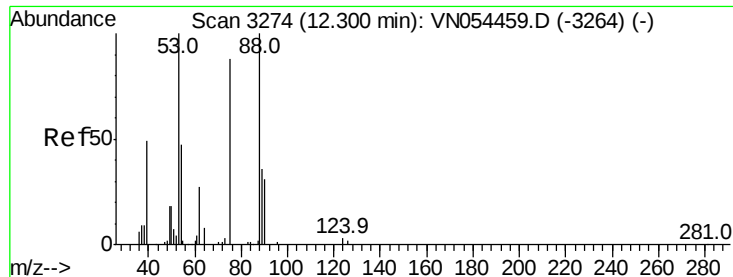
200000

0

12.65 12.70 12.75 12.80

Time-->





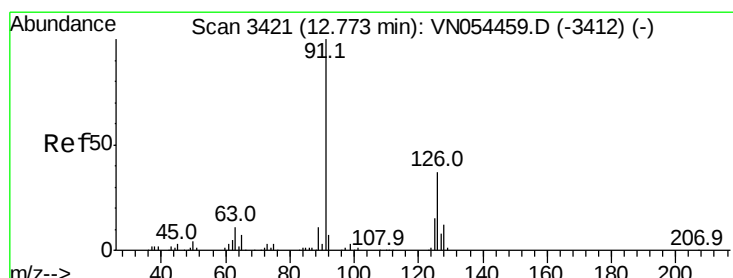
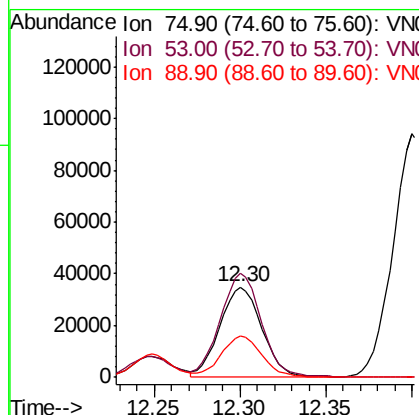
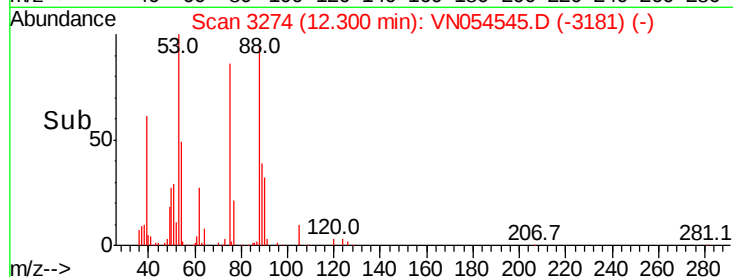
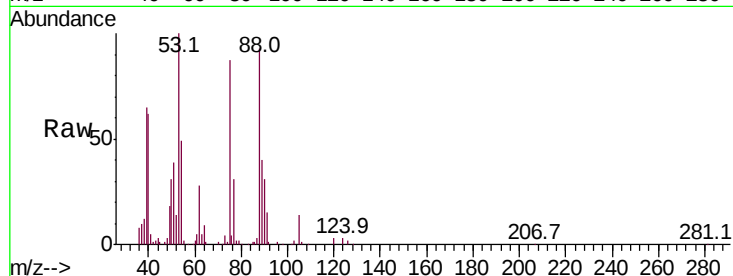
#81
trans-1,4-Dichloro-2-butene
Concen: 43.023 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.8	76.2	114.2#
89	45.8	39.2	58.8

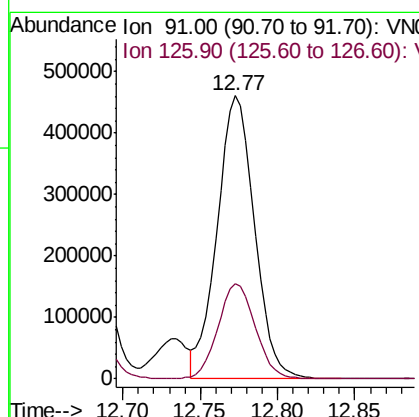
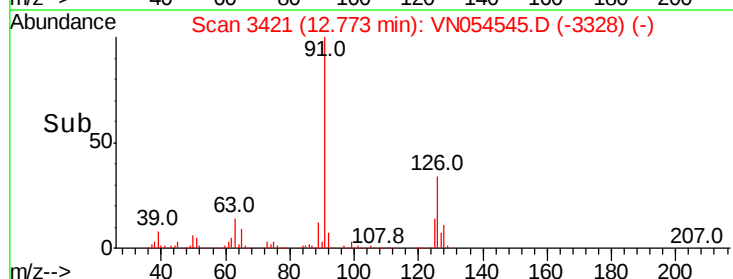
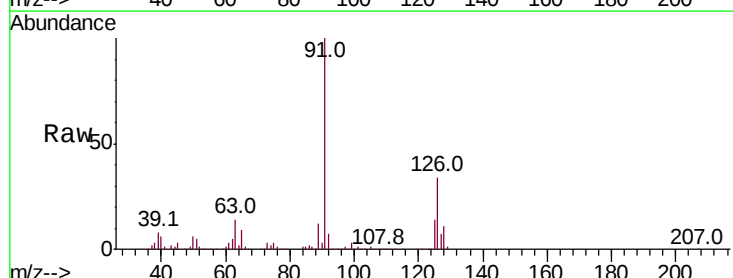
Manual Integrations
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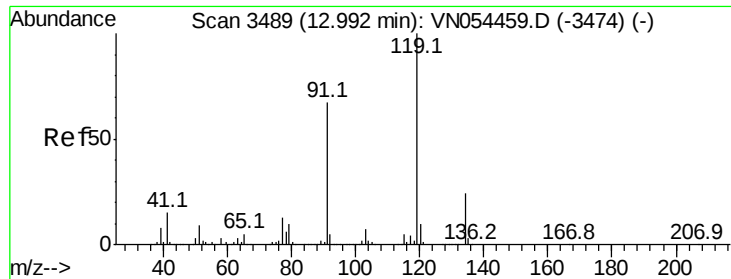
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.009 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.8	18.1	54.1





#83

tert-Butylbenzene

Concen: 48.396 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

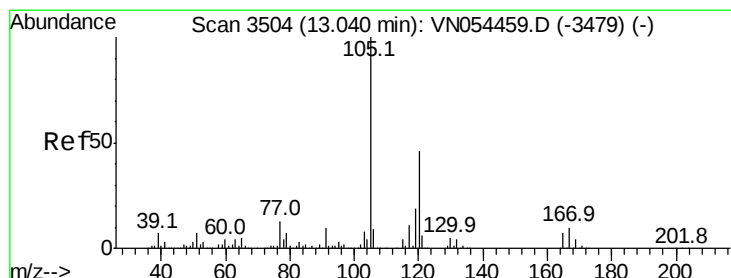
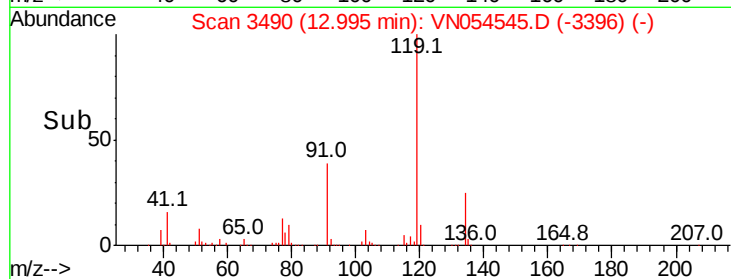
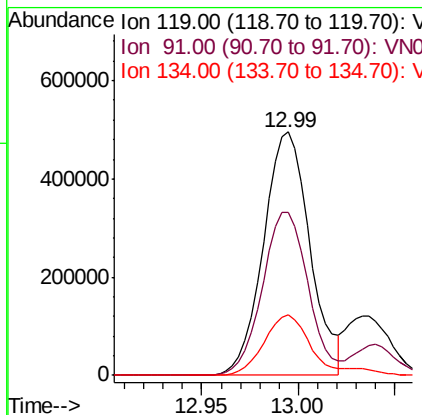
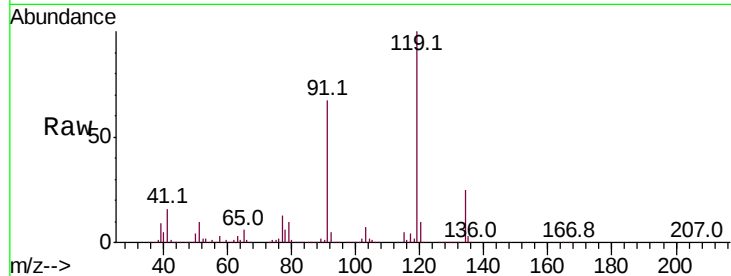
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	828913
Ion Ratio	Lower	Upper	
119	100		
91	65.9	30.9	92.8
134	26.1	13.2	39.6

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.866 ug/l

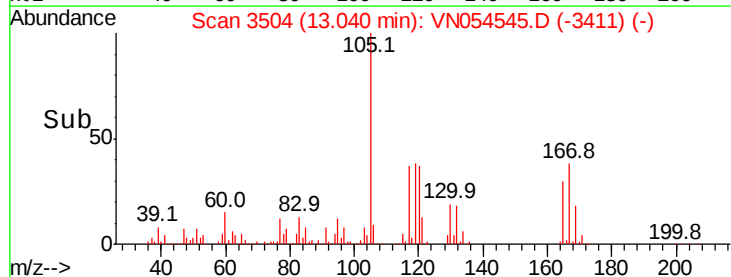
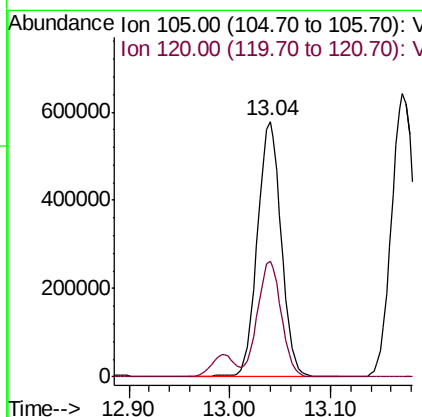
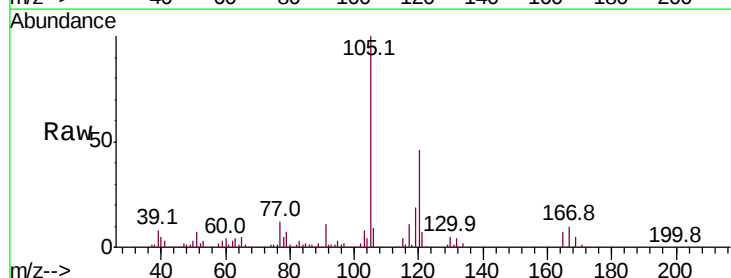
RT: 13.04 min Scan# 3504

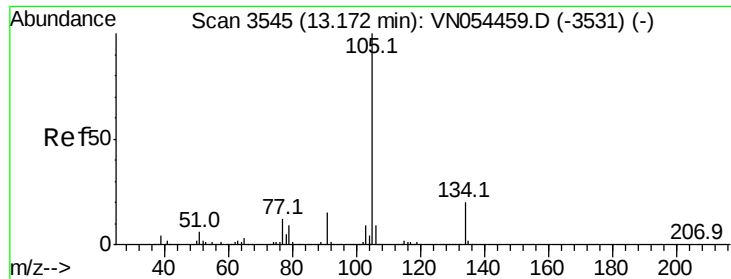
Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	105	Resp:	943464
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 48.556 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1036723

Ion Ratio Lower Upper

105 100

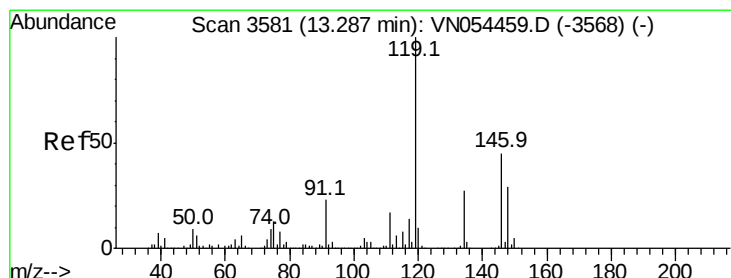
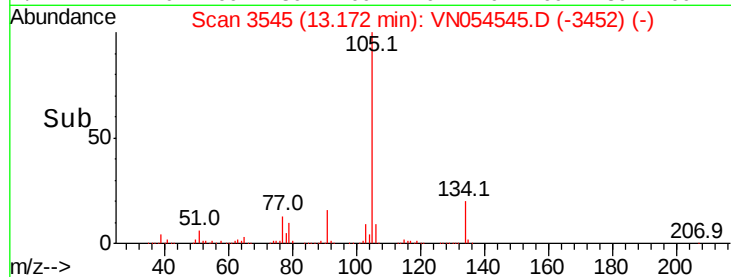
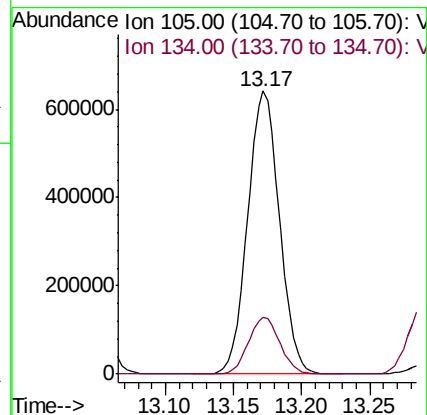
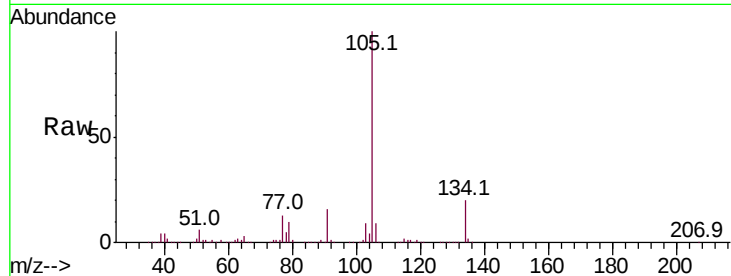
134 20.0 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 47.882 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

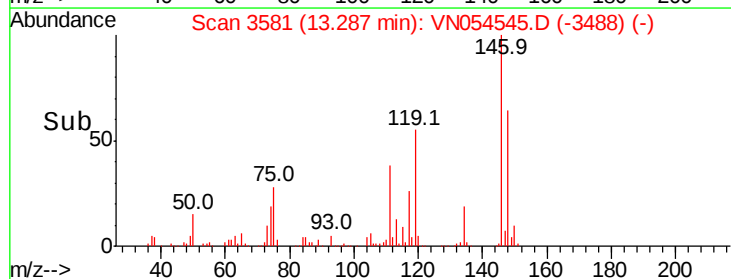
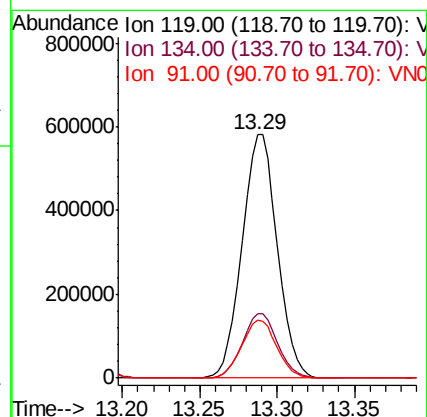
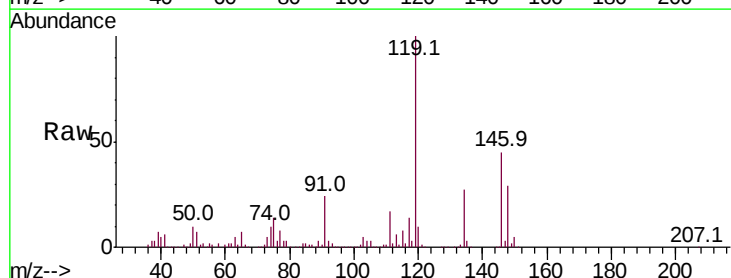
Tgt Ion:119 Resp: 914636

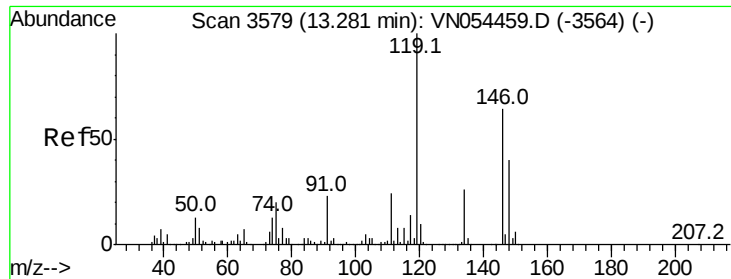
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 23.7 11.1 33.3





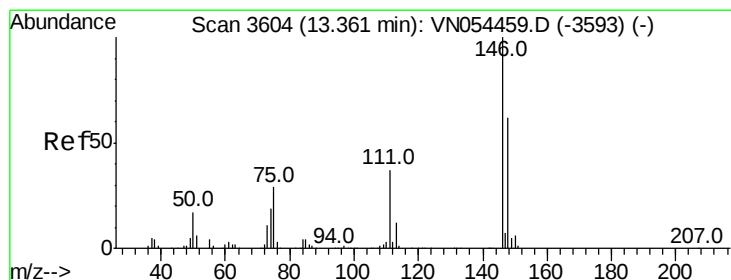
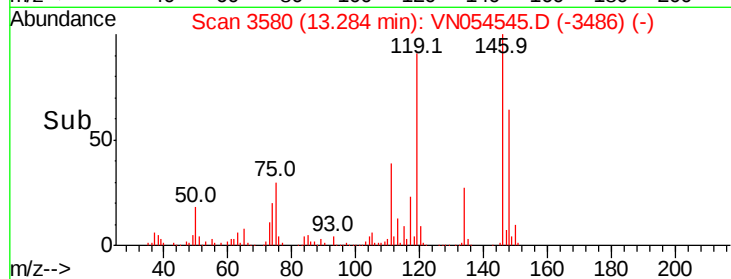
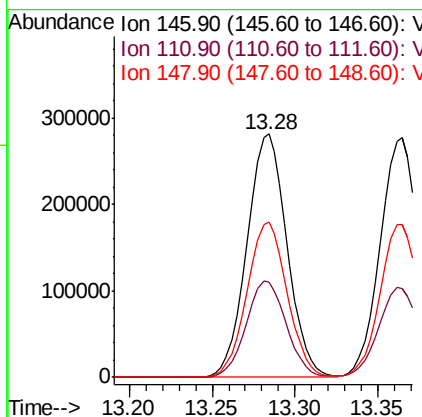
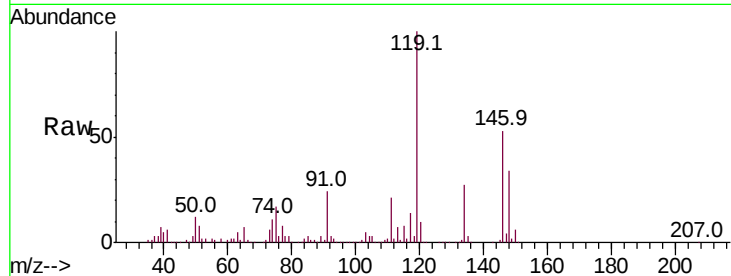
#87
 1,3-Dichlorobenzene
 Concen: 47.939 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	63.8	32.2	96.6

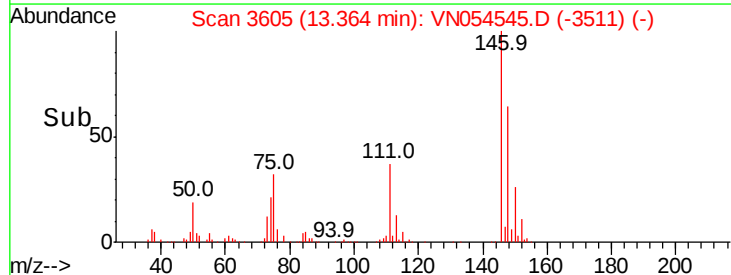
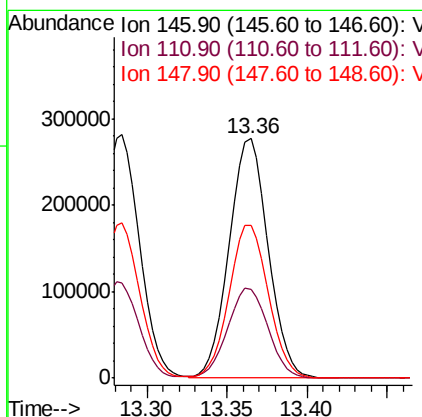
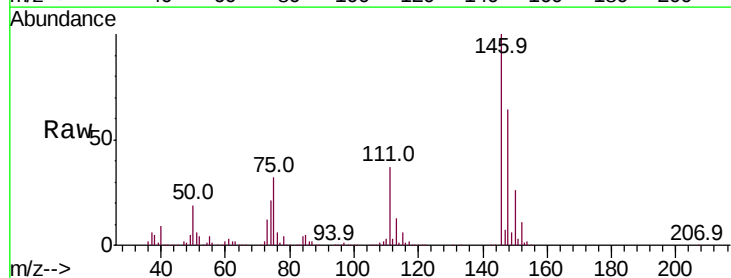
Manual Integrations
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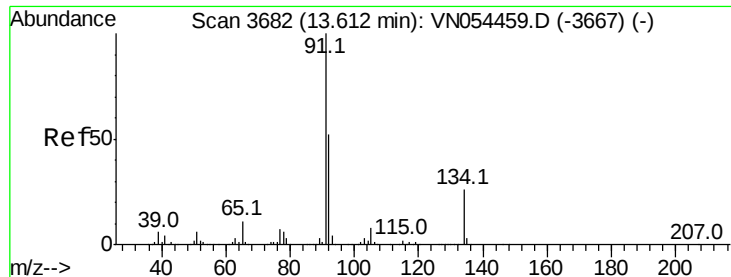
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#88
 1,4-Dichlorobenzene
 Concen: 47.858 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.1	54.1
148	64.5	32.0	96.0





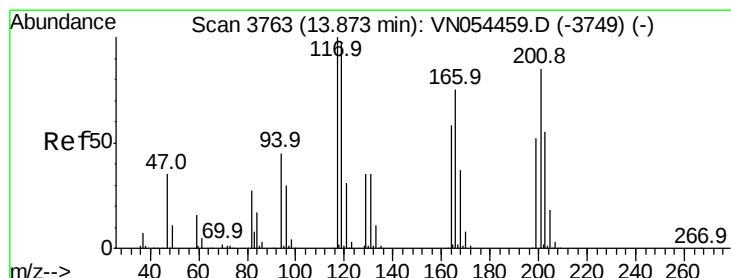
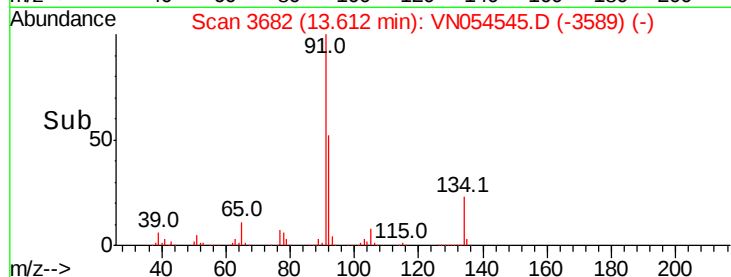
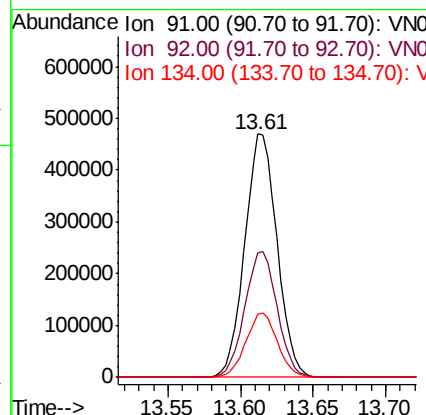
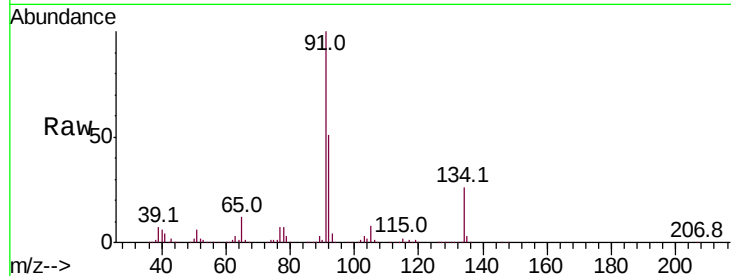
#89
n-Butylbenzene
Concen: 48.642 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.6
134	26.0	14.3	42.9

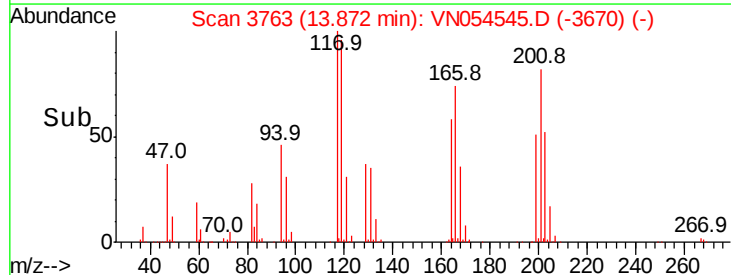
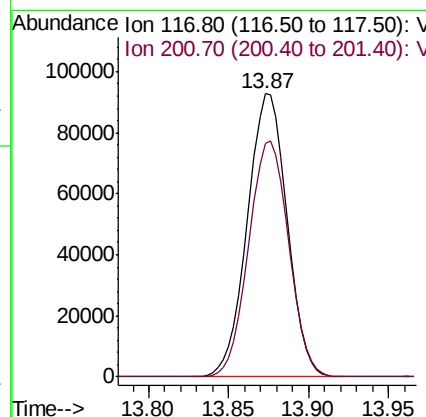
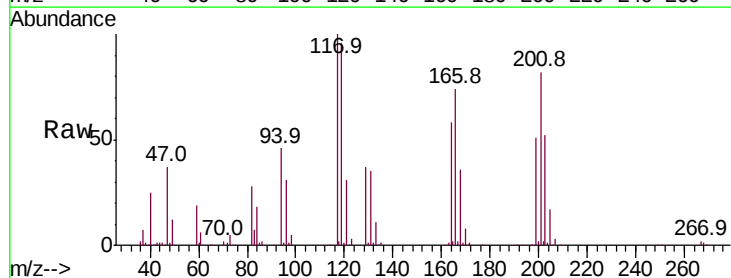
Manual Integrations
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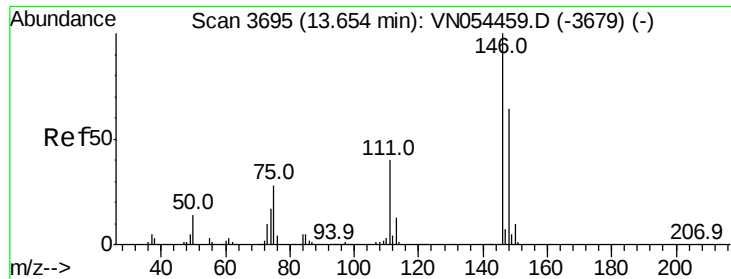
MMDadoda
3/22/2019 4:17:03 PM



#90
Hexachloroethane
Concen: 53.064 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054545.D
Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	48.1	144.4





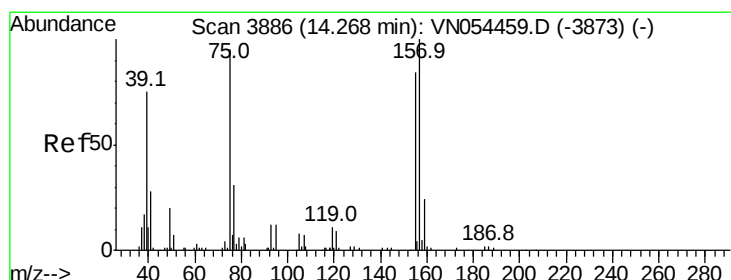
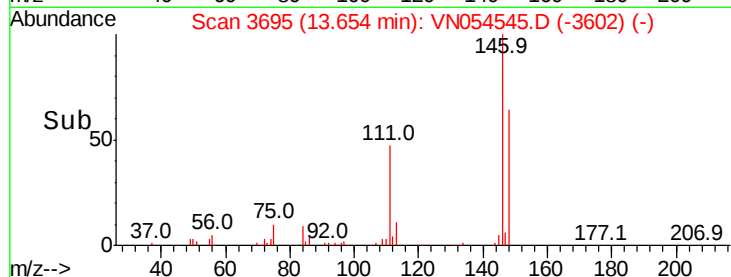
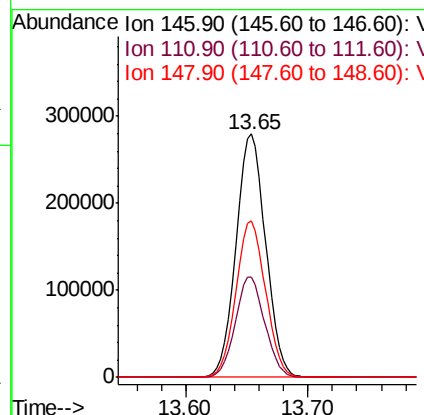
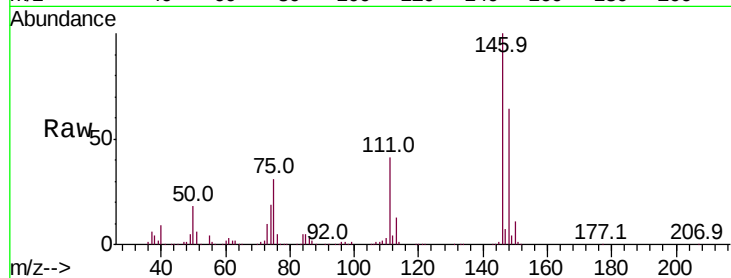
#91
 1,2-Dichlorobenzene
 Concen: 49.378 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.3
148	64.4	32.4	97.0

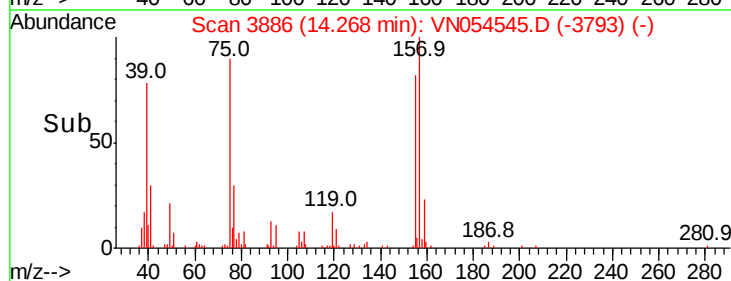
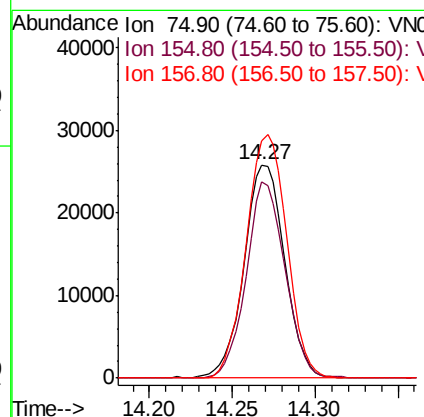
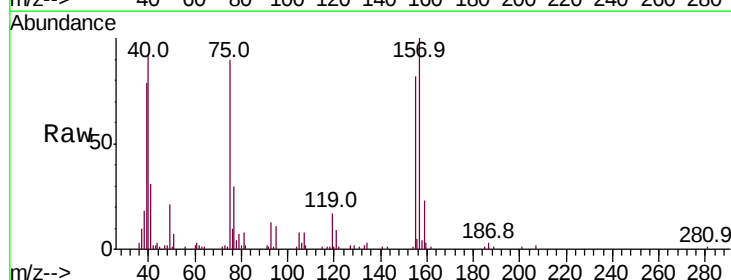
Manual Integrations
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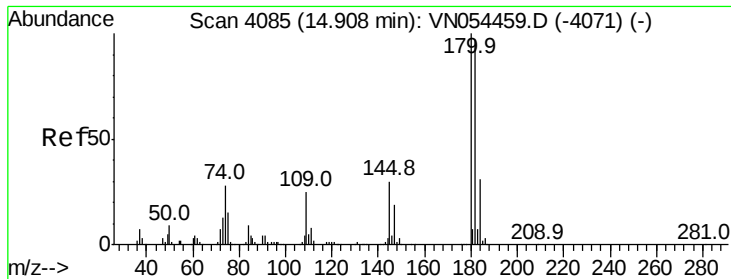
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.186 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.4	50.1	150.3
157	113.7	63.1	189.3





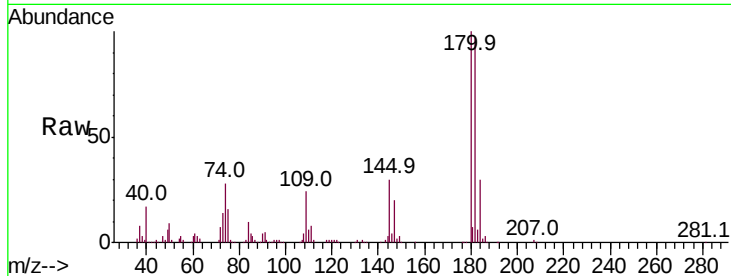
#93
 1,2,4-Trichlorobenzene
 Concen: 50.591 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241037		
182	95.2	48.0	144.2	
145	29.1	14.2	42.8	

Manual Integrations
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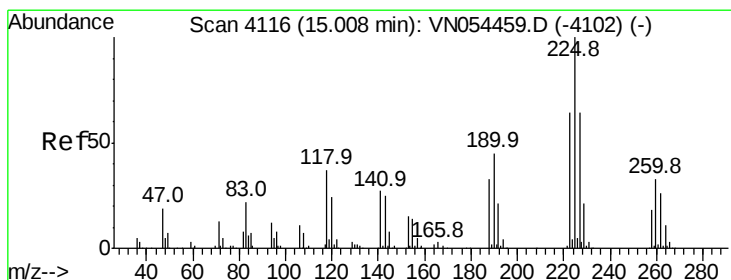
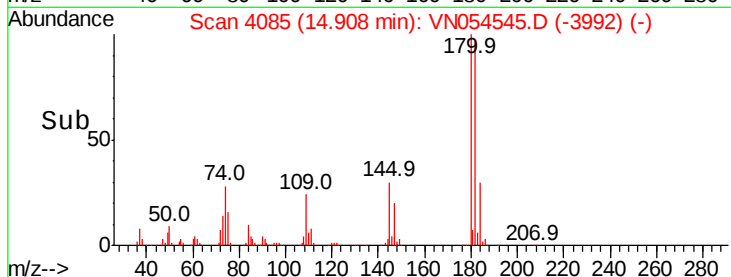
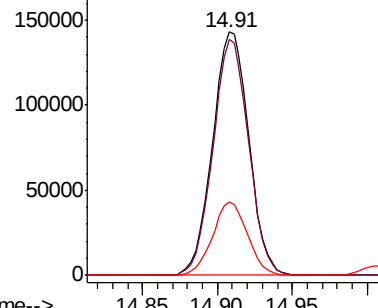


Abundance

Ion 179.80 (179.50 to 180.50): V

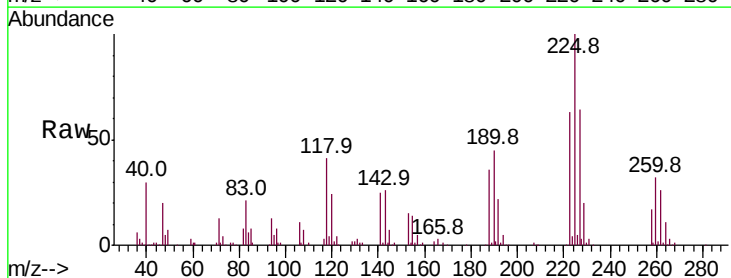
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.615 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054545.D
 Acq: 22 Mar 2019 7:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	132864		
223	62.5	31.1	93.5	
227	63.9	31.9	95.9	

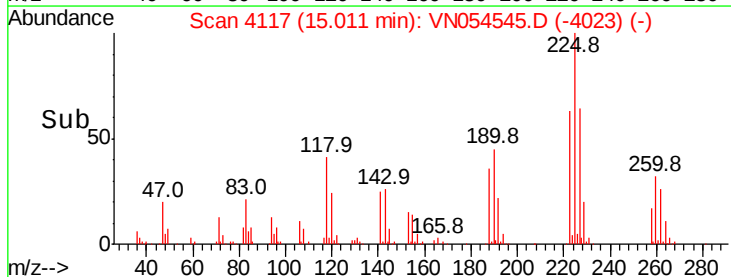
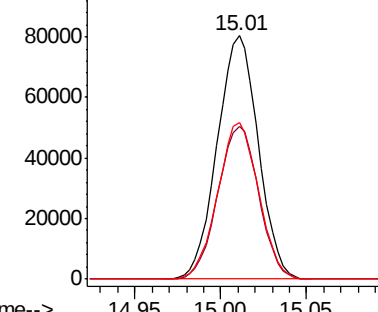


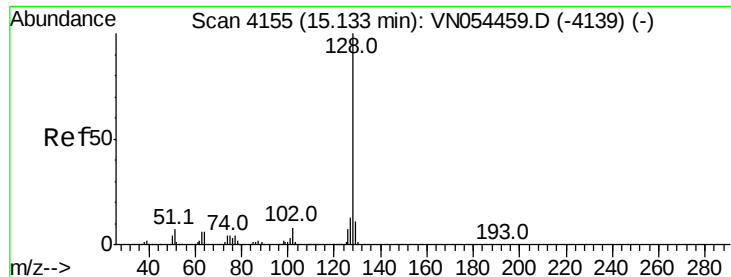
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 53.607 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Instrument :

MSVOA_N

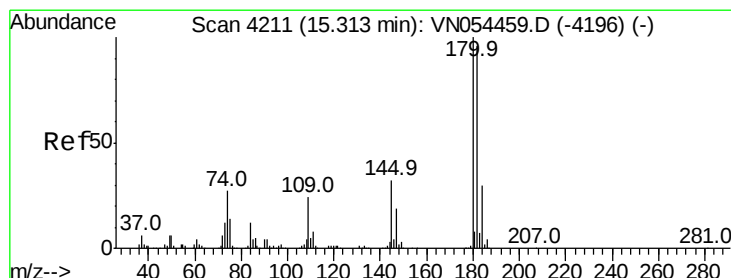
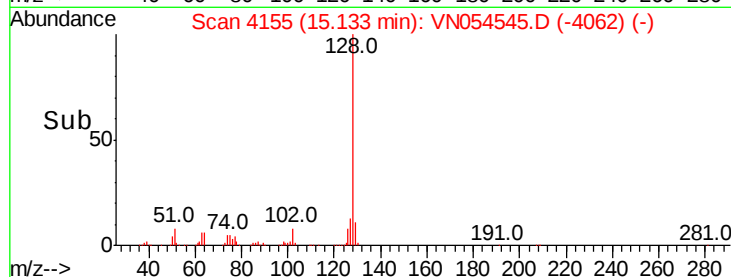
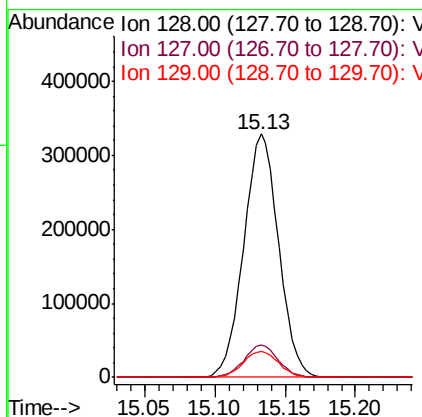
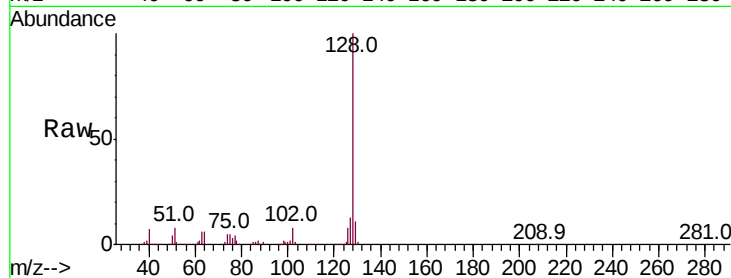
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	569702
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.1	15.1
129	10.8	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 51.582 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054545.D

Acq: 22 Mar 2019 7:46

Tgt Ion:	180	Resp:	244598
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.5	142.6
145	30.5	14.8	44.3

