

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054547.D
 Acq On : 22 Mar 2019 10:10
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 3:10:56 PM

Quant Time: Mar 22 12:30:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 14:42:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	509202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	782371	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	678157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	301082	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	317759	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
35) Dibromofluoromethane	7.59	113	254194	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
50) Toluene-d8	10.09	98	938673	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.40	95	323047	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	250750	51.512	ug/l	99
3) Chloromethane	2.06	50	323171	48.794	ug/l	98
4) Vinyl Chloride	2.19	62	312356	46.974	ug/l	99
5) Bromomethane	2.57	94	177220	41.216	ug/l	99
6) Chloroethane	2.71	64	170124	42.654	ug/l	97
7) Trichlorofluoromethane	3.02	101	384330	47.593	ug/l	100
8) Diethyl Ether	3.41	74	133767	43.071	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	3.75	101	212795	44.837	ug/l	94
10) Methyl Iodide	3.94	142	293527	42.045	ug/l	92
11) Tert butyl alcohol	4.82	59	95365	243.991	ug/l	99
12) 1,1-Dichloroethene	3.73	96	202085	41.146	ug/l #	76
13) Acrolein	3.61	56	122525	231.542	ug/l	97
14) Allyl chloride	4.31	41	470377	50.859	ug/l #	90
15) Acrylonitrile	4.99	53	516335	270.394	ug/l	99
16) Acetone	3.82	43	523581	274.958	ug/l #	85
17) Carbon Disulfide	4.04	76	602667	45.796	ug/l	99
18) Methyl Acetate	4.33	43	231744	54.601	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	722090	50.377	ug/l	93
20) Methylene Chloride	4.54	84	264915	47.195	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	248552	49.560	ug/l	86
22) Diisopropyl ether	5.96	45	953846	52.287	ug/l #	95
23) Vinyl Acetate	5.90	43	3574222	277.412	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	500848	50.990	ug/l	98
25) 2-Butanone	6.85	43	710629	291.325	ug/l	90
26) 2,2-Dichloropropane	6.82	77	363448	51.907	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	284988	47.642	ug/l	87
28) Bromochloromethane	7.19	49	255400	52.825	ug/l #	74
29) Tetrahydrofuran	7.22	42	439528	277.665	ug/l #	85
30) Chloroform	7.37	83	480536	50.130	ug/l	96
31) Cyclohexane	7.65	56	482228	51.284	ug/l	87
32) 1,1,1-Trichloroethane	7.57	97	402597	50.908	ug/l	95
36) 1,1-Dichloropropene	7.79	75	372067	50.862	ug/l	96
37) Ethyl Acetate	6.94	43	289963	55.732	ug/l	95
38) Carbon Tetrachloride	7.77	117	351625	49.464	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	440487	52.640	ug/l	90
40) Benzene	8.04	78	1069710	51.138	ug/l	100
41) Methacrylonitrile	7.17	41	157405	49.608	ug/l	92
42) 1,2-Dichloroethane	8.12	62	388098	50.945	ug/l	97
43) Isopropyl Acetate	8.17	43	498829	56.770	ug/l #	94
44) Trichloroethene	8.83	130	287184	49.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	301070	53.600	ug/l	100
46) Dibromomethane	9.21	93	176527	52.679	ug/l	89
47) Bromodichloromethane	9.40	83	363460	52.263	ug/l	97
48) Methyl methacrylate	9.20	41	260520	54.626	ug/l	87
49) 1,4-Dioxane	9.20	88	47847	897.411	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1415366	290.647	ug/l	94
52) Toluene	10.16	92	645020	50.135	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	364001	49.634	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	438589	55.002	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	240211	51.940	ug/l	97
56) Ethyl methacrylate	10.43	69	342329	55.149	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	422420	52.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	743164	290.747	ug/l	90
59) 2-Hexanone	10.75	43	942120	296.186	ug/l	92
60) Dibromochloromethane	10.90	129	265611	53.973	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239814	52.451	ug/l	100
64) Tetrachloroethene	10.63	164	261211	46.437	ug/l	96
65) Chlorobenzene	11.43	112	688376	49.908	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	260141	52.546	ug/l	99
67) Ethyl Benzene	11.51	91	1241840	50.970	ug/l	98
68) m/p-Xylenes	11.62	106	926661	100.412	ug/l	96
69) o-Xylene	11.95	106	449838	49.912	ug/l	97
70) Styrene	11.96	104	748064	51.112	ug/l	97
71) Bromoform	12.13	173	164432	48.257	ug/l	100
73) Isopropylbenzene	12.25	105	1192715	49.160	ug/l	98
74) N-amyl acetate	12.07	43	409969	58.767	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	301500	54.438	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	233714m	48.918	ug/l	
77) Bromobenzene	12.53	156	291048	48.369	ug/l	84
78) n-propylbenzene	12.59	91	1350309	51.326	ug/l	97
79) 2-Chlorotoluene	12.67	91	801864	48.877	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	994358	50.006	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	71672	51.606	ug/l #	84
82) 4-Chlorotoluene	12.77	91	802598	50.470	ug/l	97
83) tert-Butylbenzene	12.99	119	845872	48.870	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	987104	50.592	ug/l	98
85) sec-Butylbenzene	13.17	105	1104416	51.186	ug/l	98
86) p-Isopropyltoluene	13.29	119	1008214	52.229	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	501972	50.340	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	483290	49.814	ug/l	97
89) n-Butylbenzene	13.61	91	849419	56.275	ug/l	98
90) Hexachloroethane	13.87	117	162091	54.096	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	481816	49.886	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46055	56.694	ug/l	82

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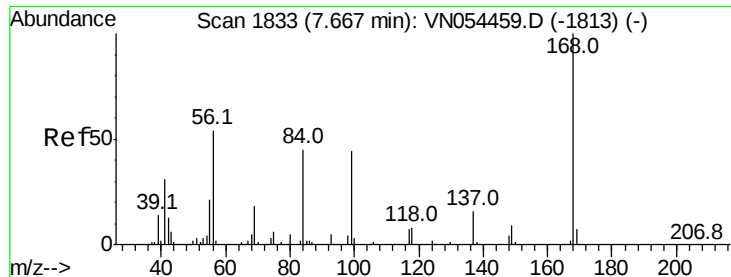
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	266248	55.298	ug/l	99
94) Hexachlorobutadiene	15.01	225	158488	59.035	ug/l	100
95) Naphthalene	15.13	128	592425	55.163	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	260073	54.272	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 509202

Ion Ratio Lower Upper

168 100

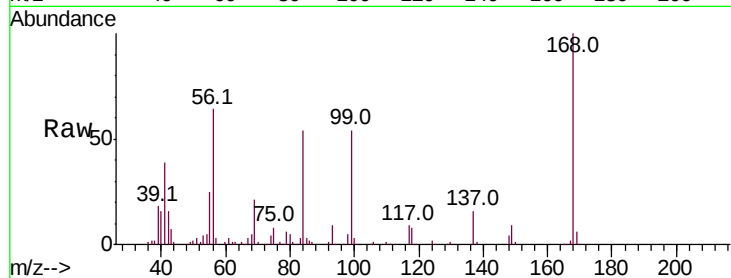
99 53.4 37.1 55.7

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

7.66

200000

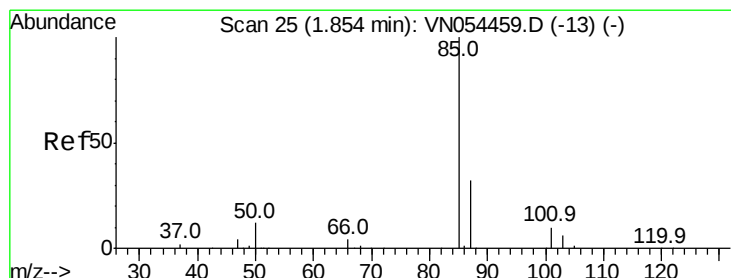
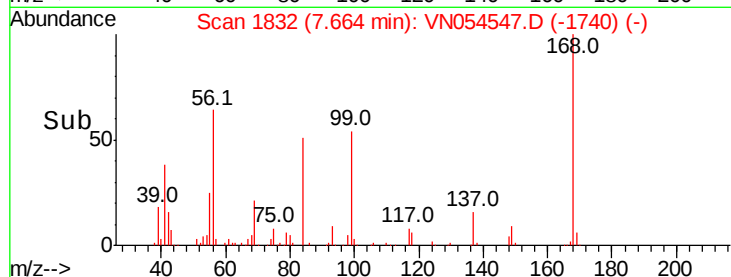
150000

100000

50000

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Time-->



#2

Dichlorodifluoromethane

Concen: 51.512 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054547.D

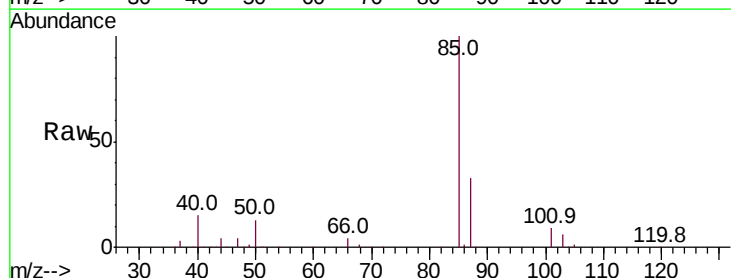
Acq: 22 Mar 2019 10:10

Tgt Ion: 85 Resp: 250750

Ion Ratio Lower Upper

85 100

87 32.6 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

200000

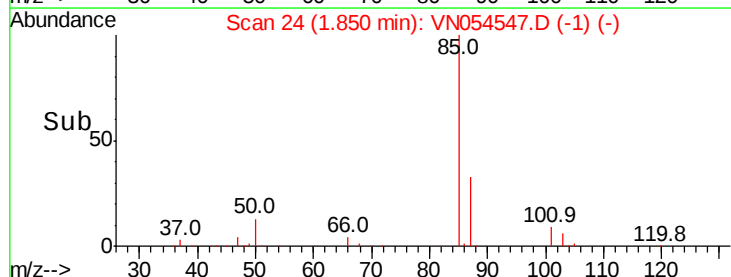
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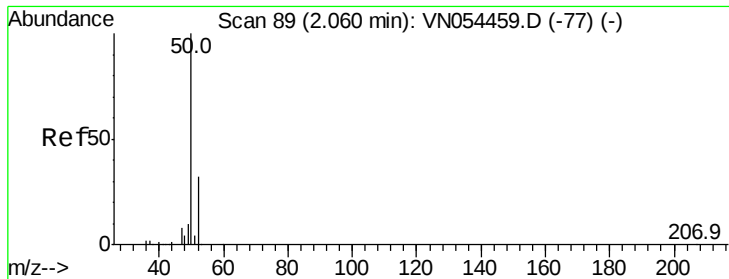
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50000

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Time-->





#3

Chloromethane

Concen: 48.794 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 323171

Ion Ratio Lower Upper

50 100

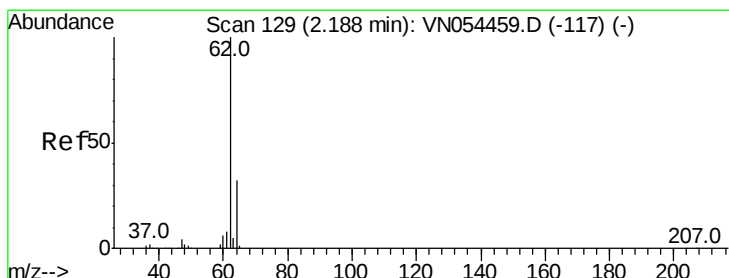
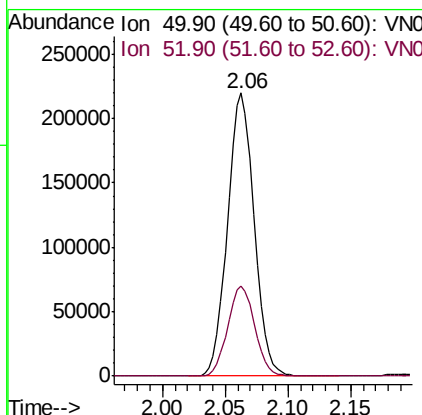
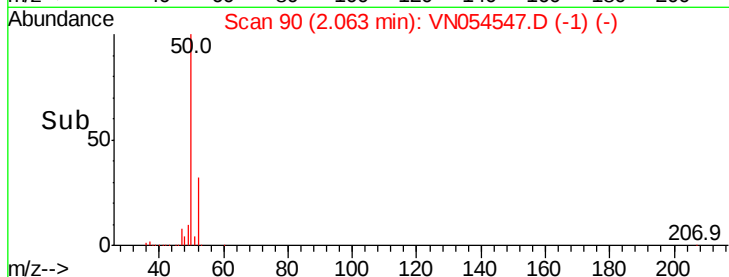
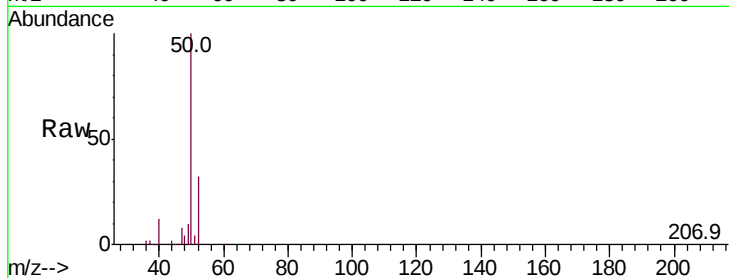
52 32.0 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.974 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054547.D

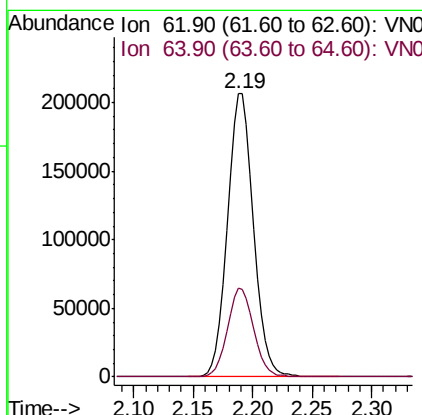
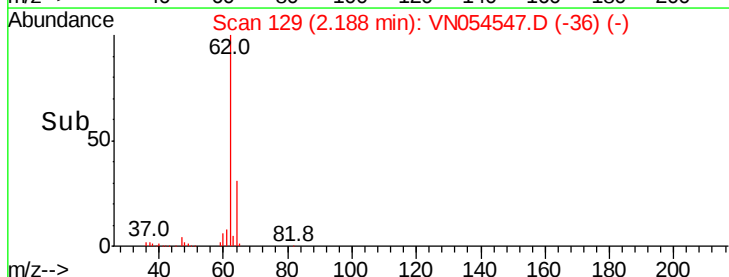
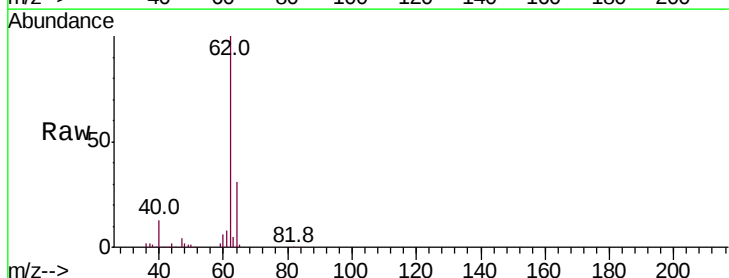
Acq: 22 Mar 2019 10:10

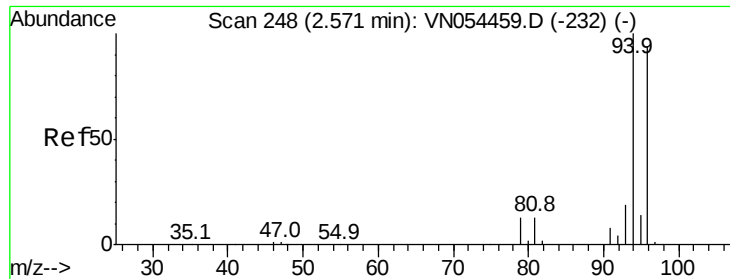
Tgt Ion: 62 Resp: 312356

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 41.216 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 177220

Ion Ratio Lower Upper

94 100

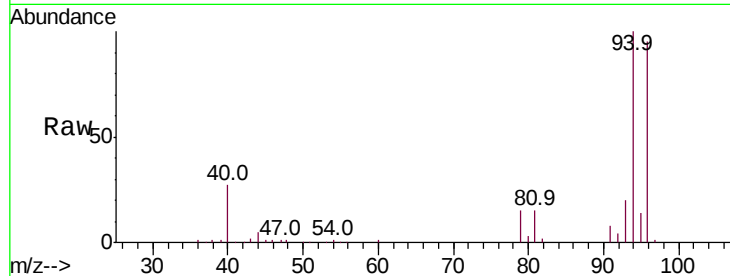
96 94.8 77.0 115.4

Manual Integrations

APPROVED

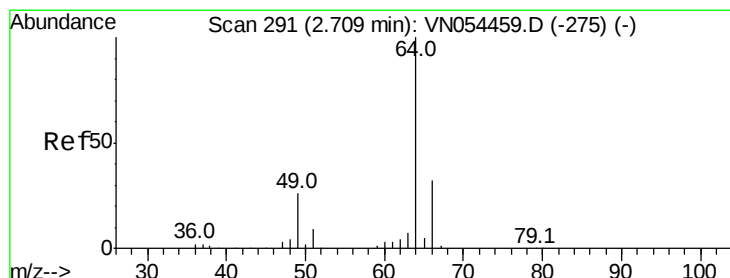
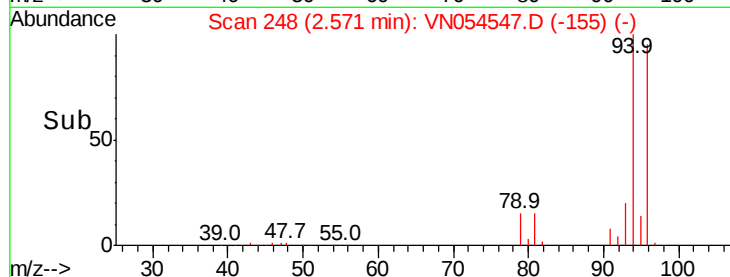
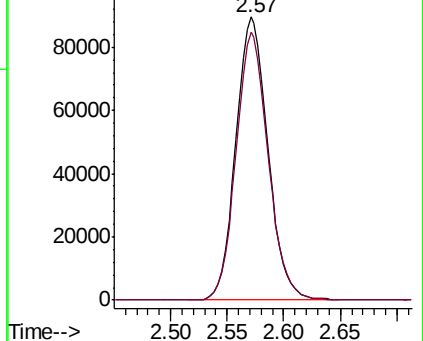
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.654 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054547.D

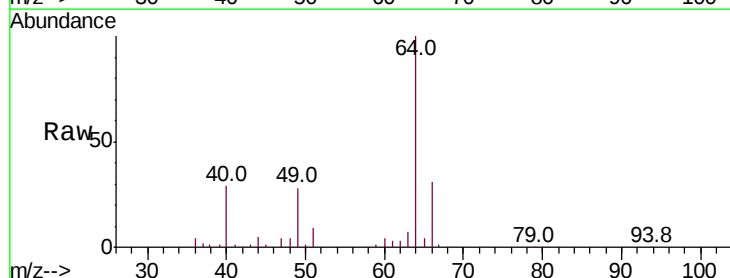
Acq: 22 Mar 2019 10:10

Tgt Ion: 64 Resp: 170124

Ion Ratio Lower Upper

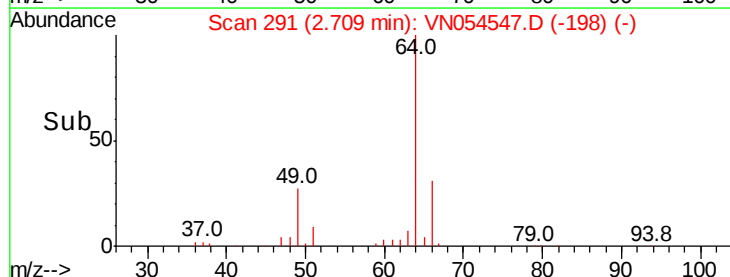
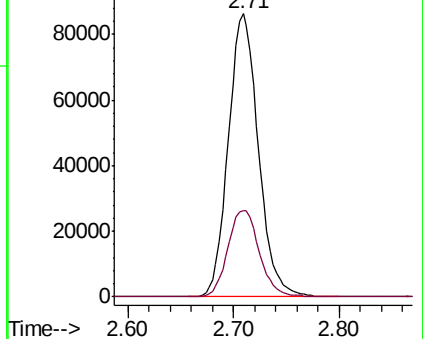
64 100

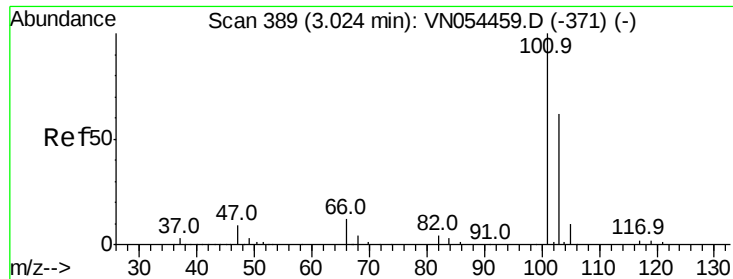
66 30.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

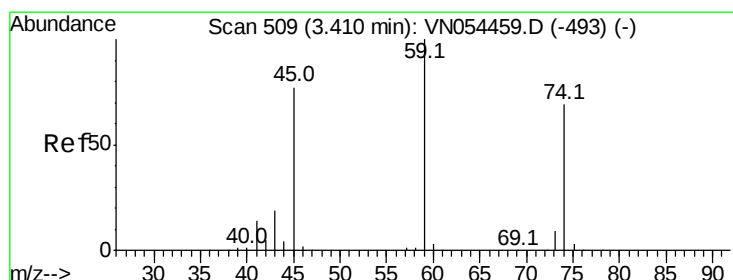
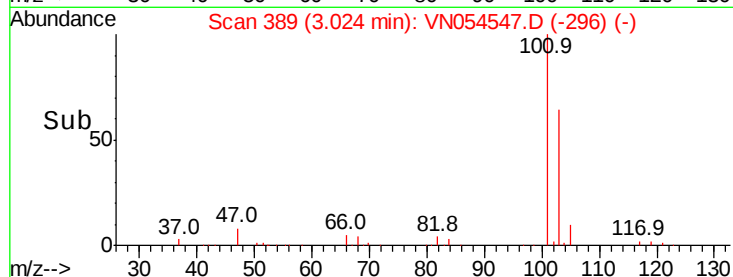
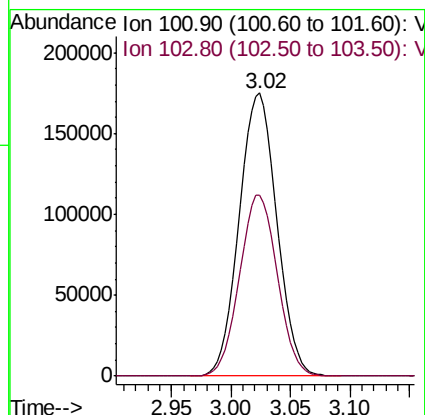
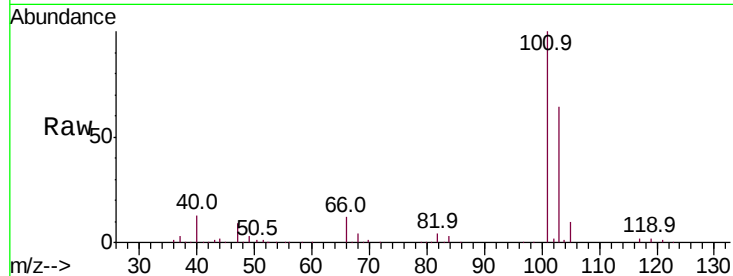
Trichlorofluoromethane
Concen: 47.593 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.4	77.2

Manual Integrations
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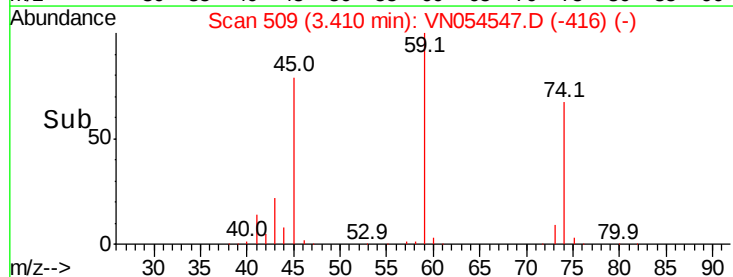
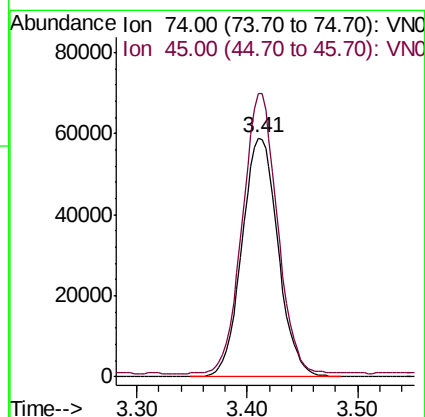
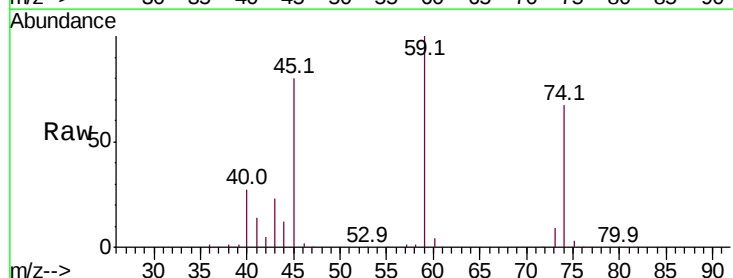
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3/25/2019 3:10:56 PM

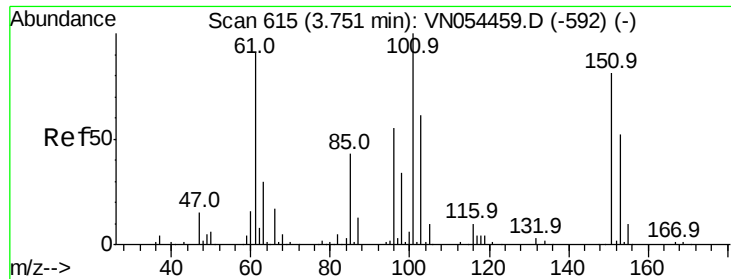


#8

Diethyl Ether
Concen: 43.071 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.4	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.837 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

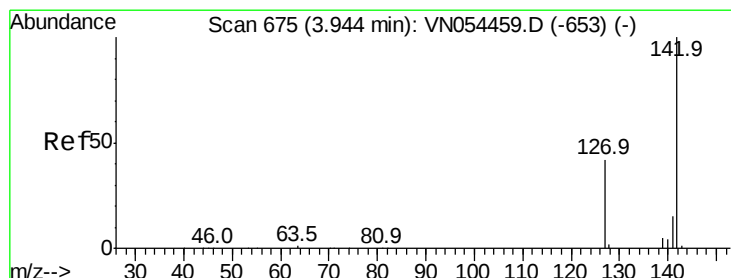
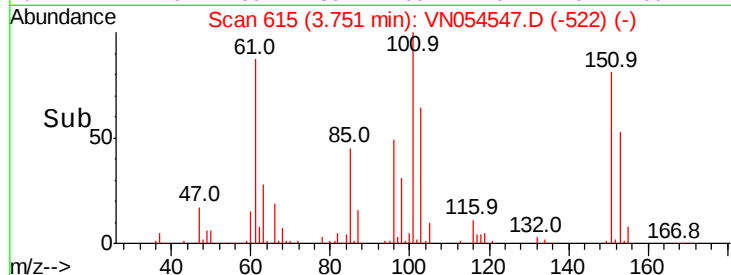
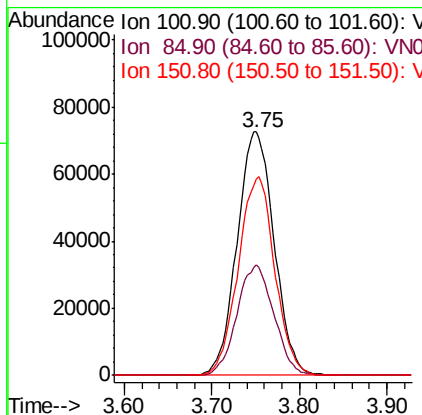
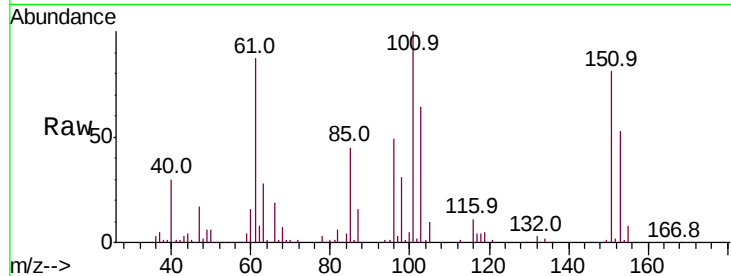
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	212795
Ion Ratio	Lower	Upper	
101	100		
85	45.3	32.4	48.6
151	80.5	68.2	102.2

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#10

Methyl Iodide

Concen: 42.045 ug/l

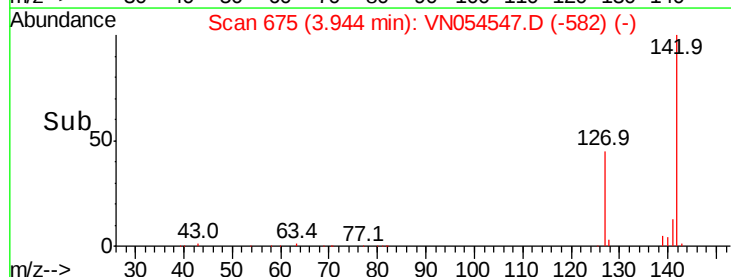
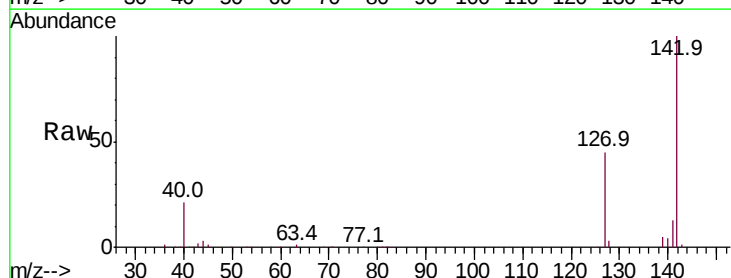
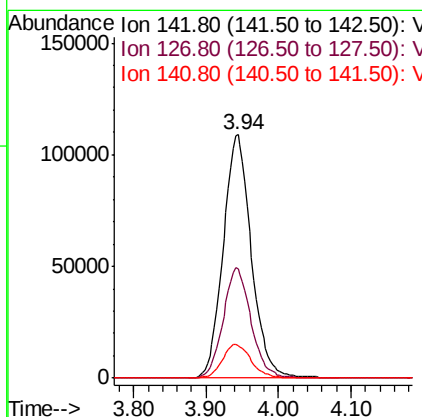
RT: 3.94 min Scan# 675

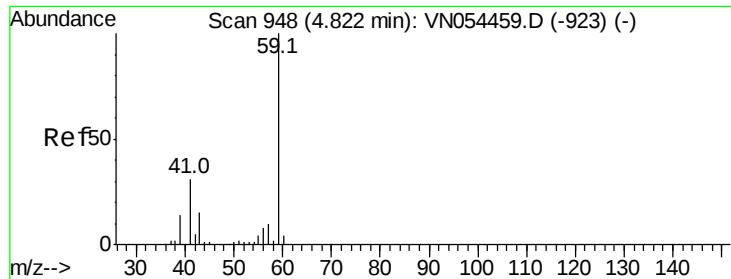
Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	142	Resp:	293527
Ion Ratio	Lower	Upper	
142	100		
127	44.8	30.3	45.5
141	14.1	11.2	16.8





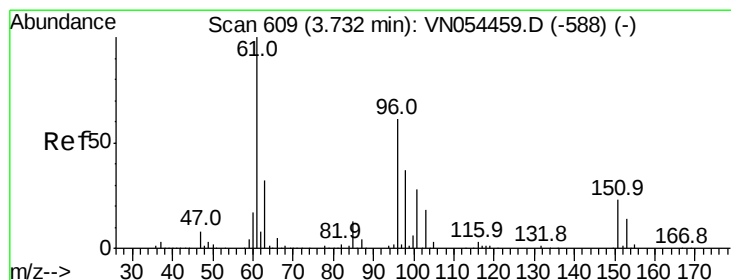
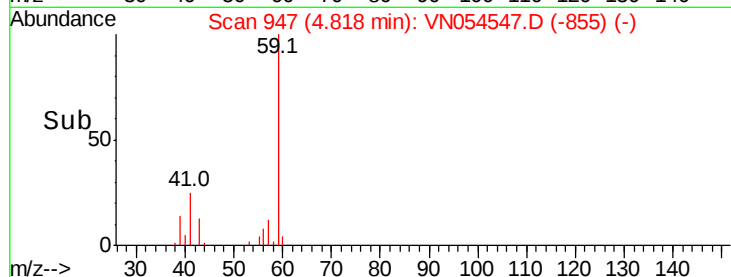
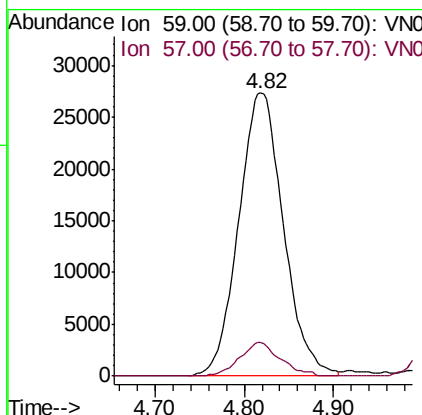
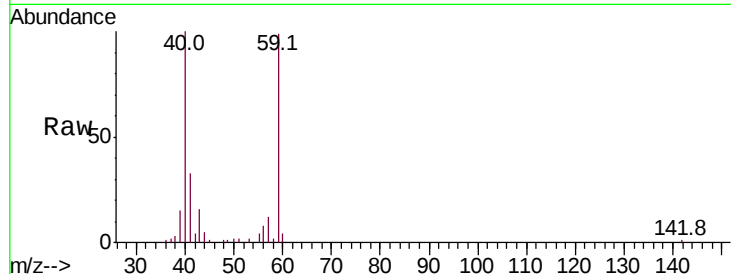
#11
Tert butyl alcohol
Concen: 243.991 ug/l
RT: 4.82 min Scan# 947
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

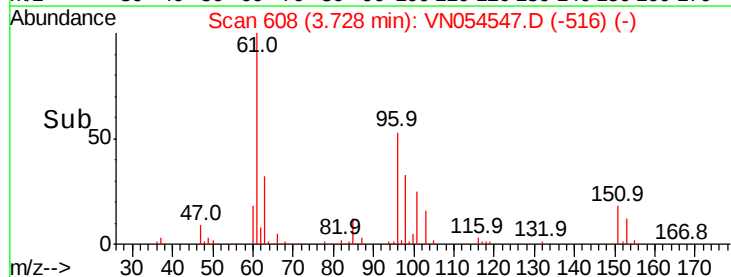
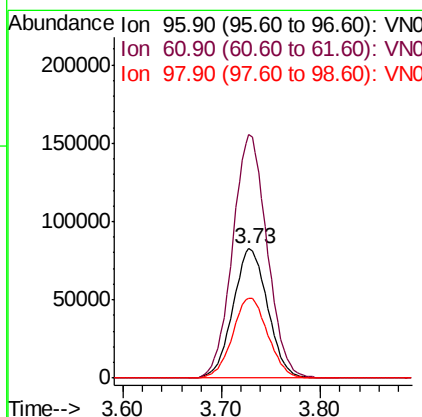
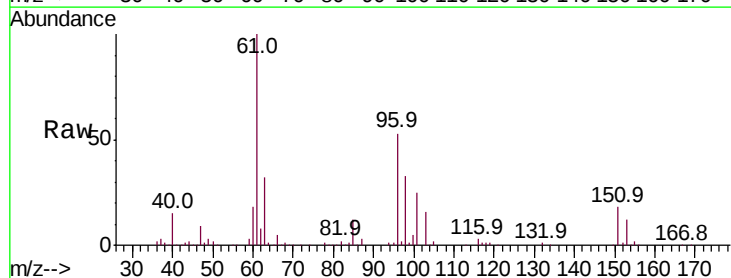
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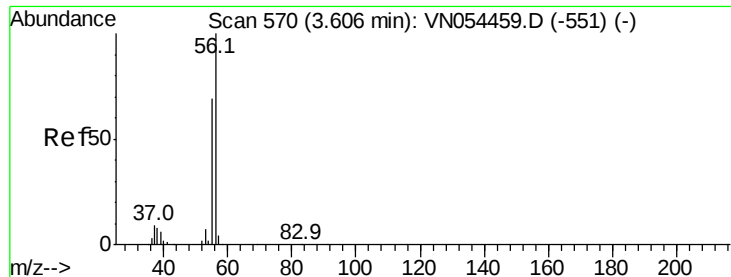
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#12
1,1-Dichloroethene
Concen: 41.146 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.7	116.5	174.7#
98	61.8	51.0	76.4





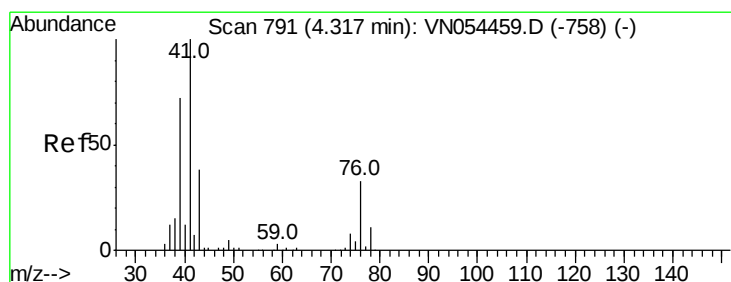
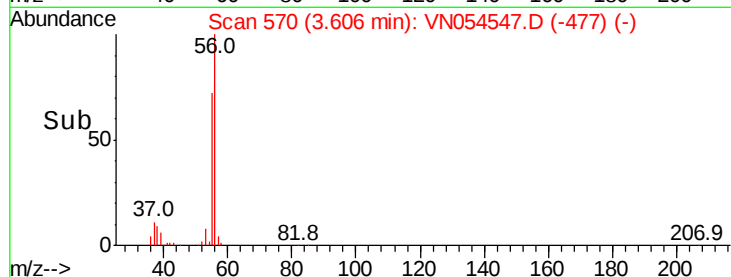
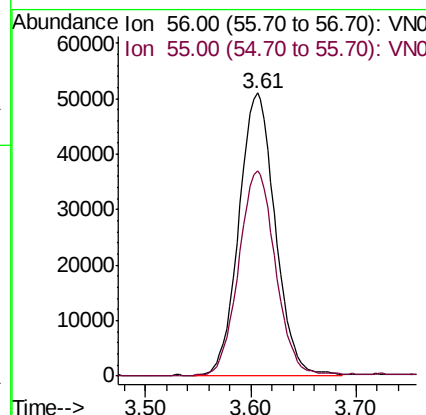
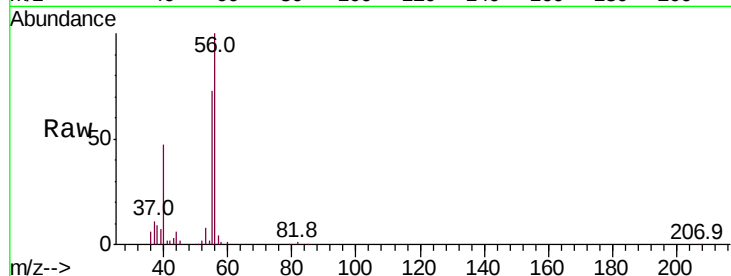
#13
Acrolein
Concen: 231.542 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.6	56.7	85.1

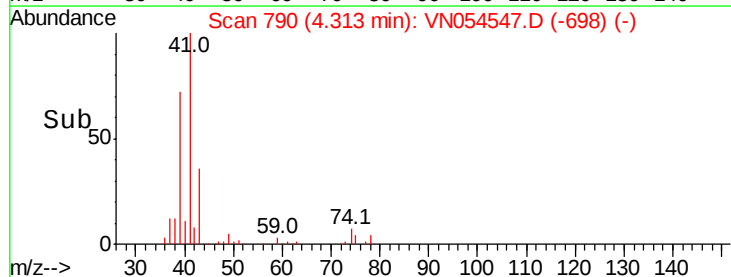
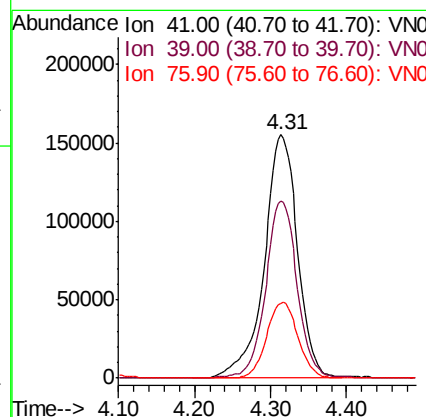
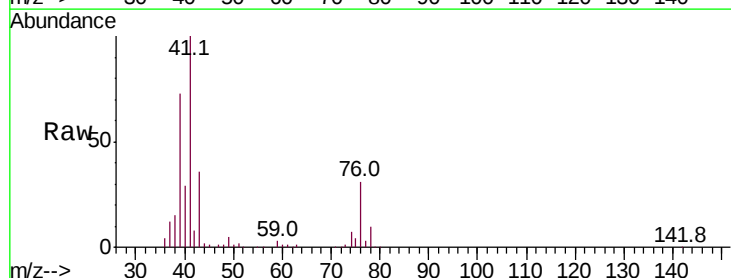
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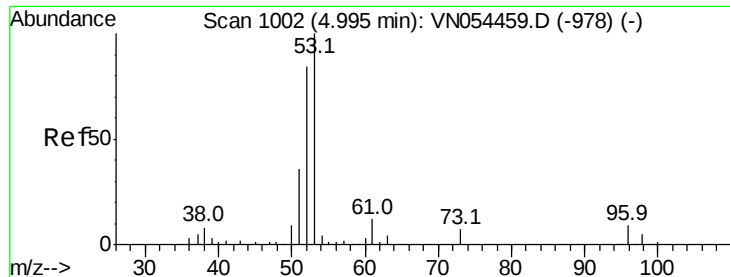
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#14
Allyl chloride
Concen: 50.859 ug/l
RT: 4.31 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.2	58.2	87.4
76	29.2	31.7	47.5#





#15

Acrylonitrile

Concen: 270.394 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

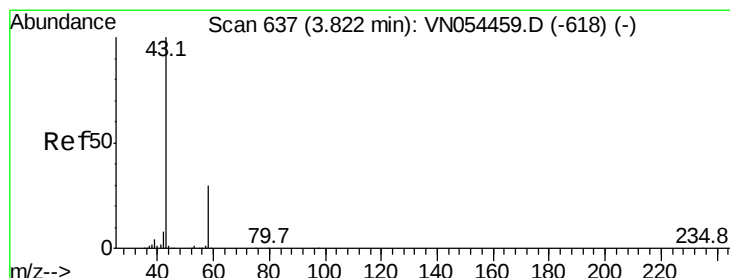
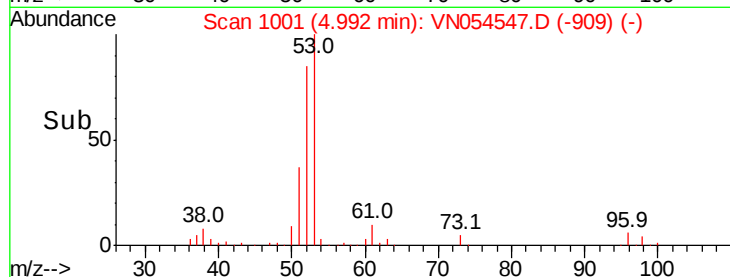
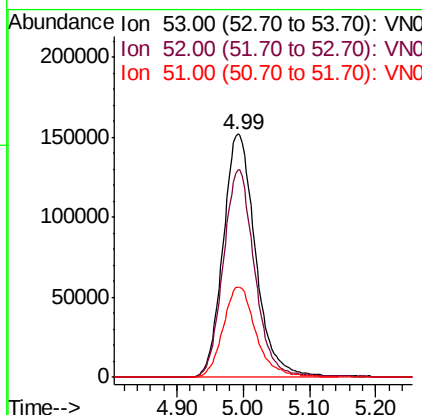
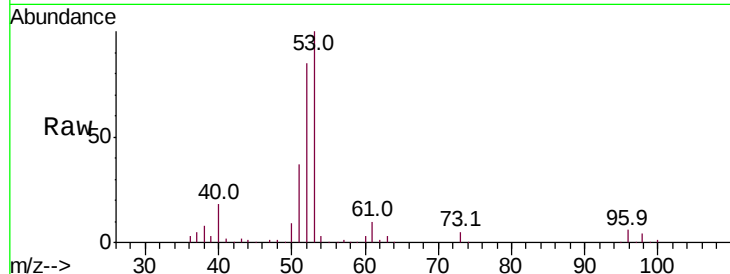
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	516335
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.4	99.6
51	37.9	29.6	44.4

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#16

Acetone

Concen: 274.958 ug/l

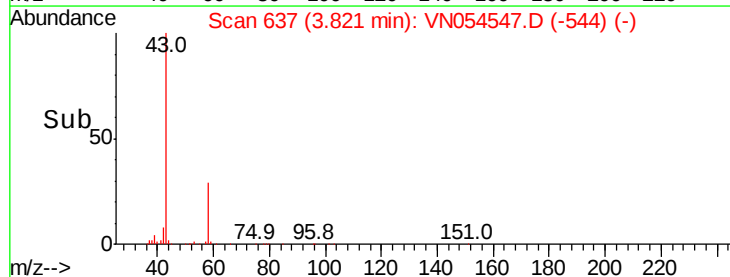
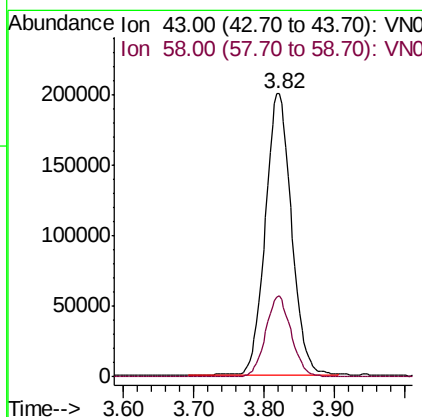
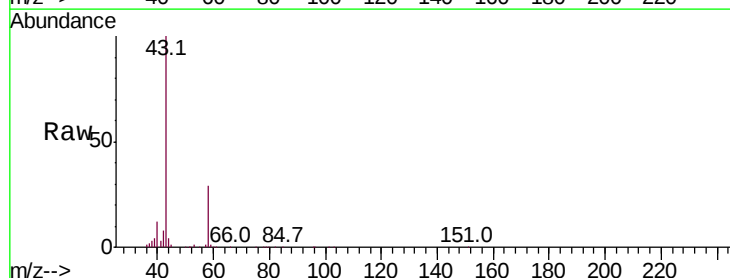
RT: 3.82 min Scan# 637

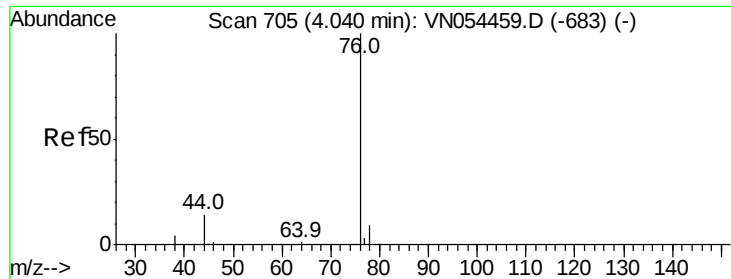
Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	43	Resp:	523581
Ion Ratio	Lower	Upper	
43	100		
58	28.5	29.9	44.9#





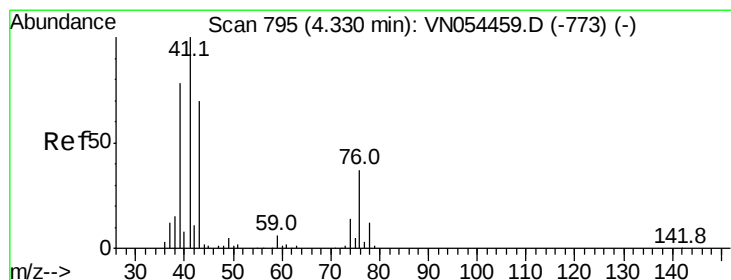
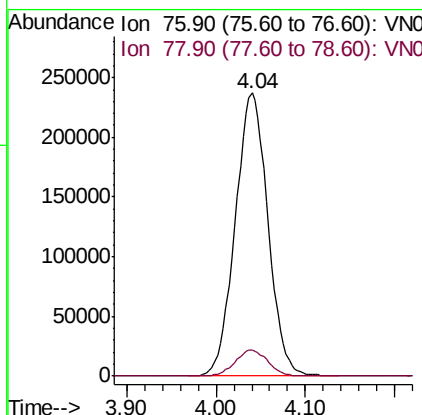
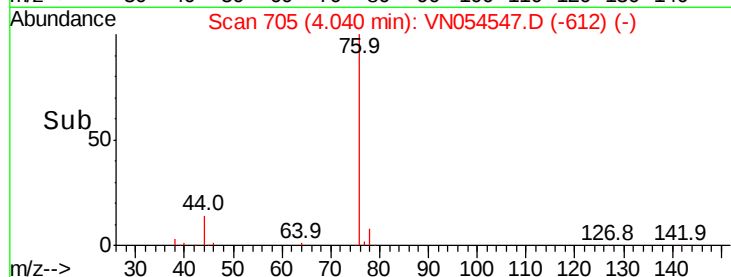
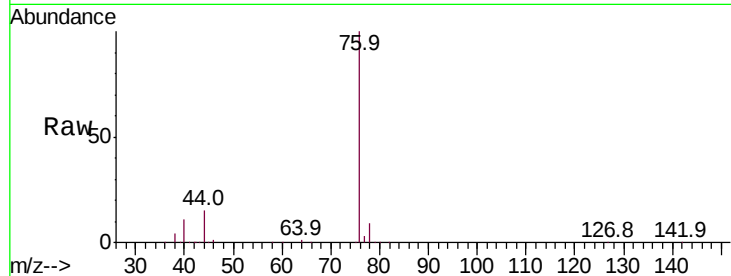
#17
Carbon Disulfide
Concen: 45.796 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.5	11.3

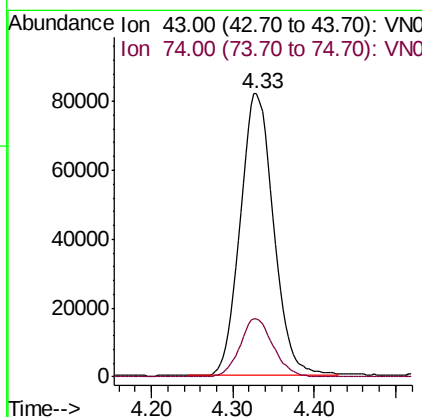
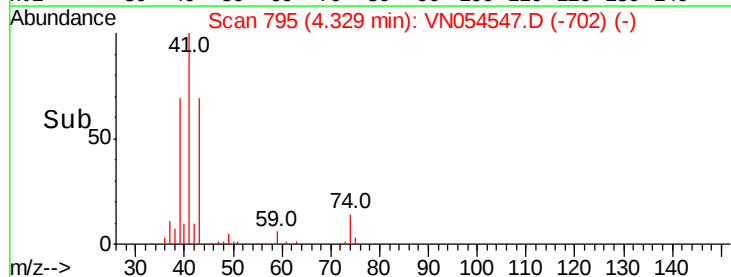
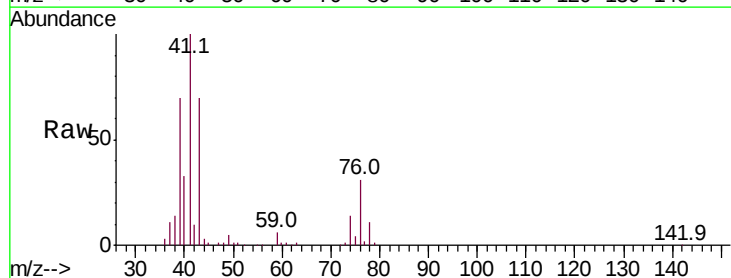
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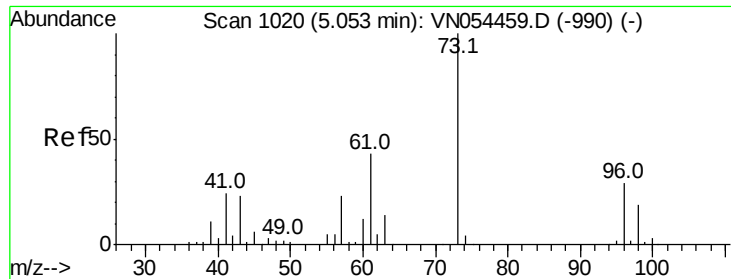
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#18
Methyl Acetate
Concen: 54.601 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

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





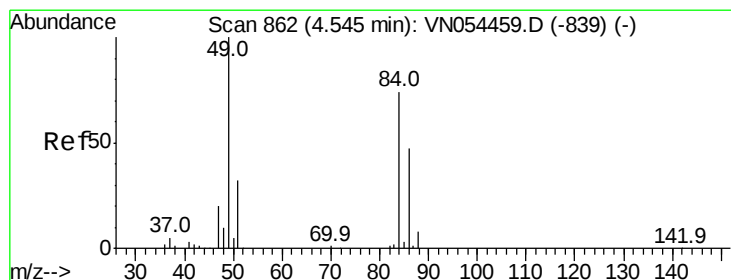
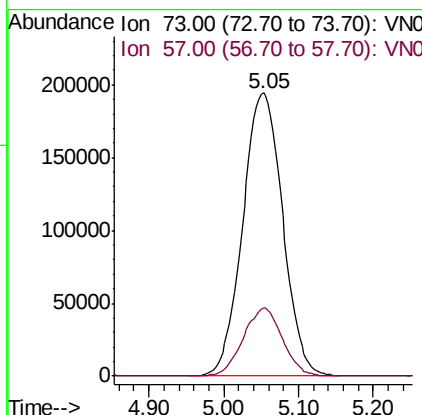
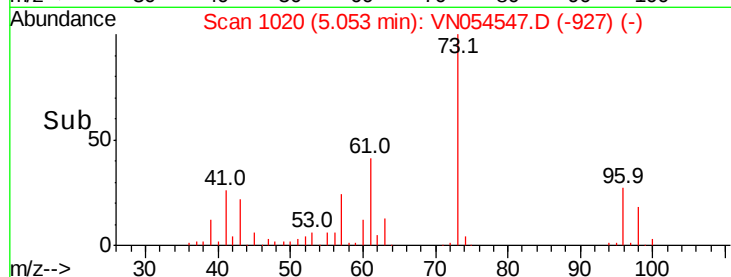
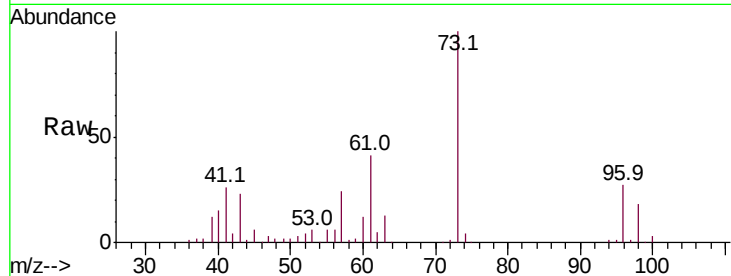
#19
Methvl tert-butvl Ether
Concen: 50.377 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 722090
Ion Ratio Lower Upper
73 100
57 24.1 16.8 25.2

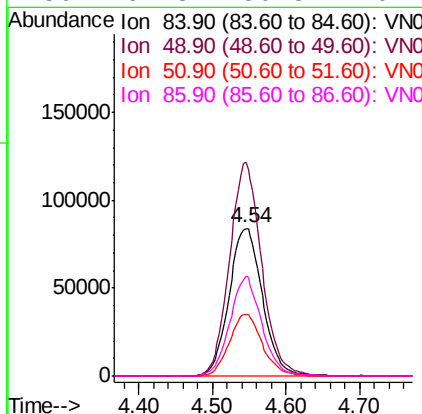
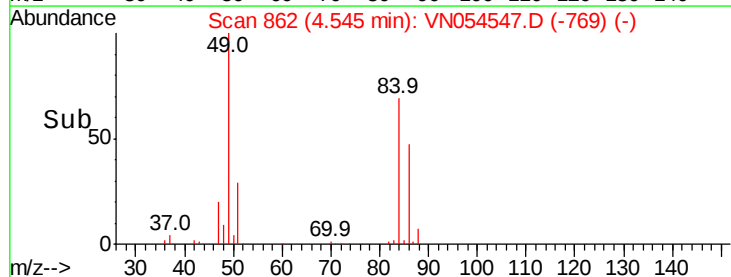
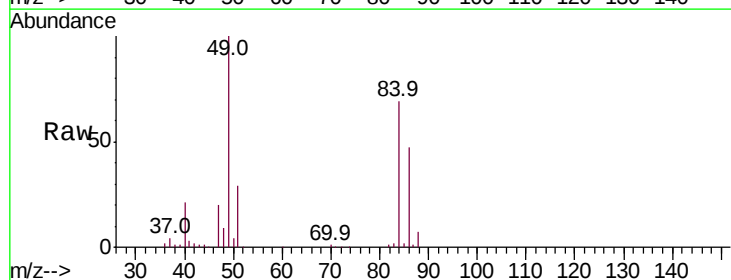
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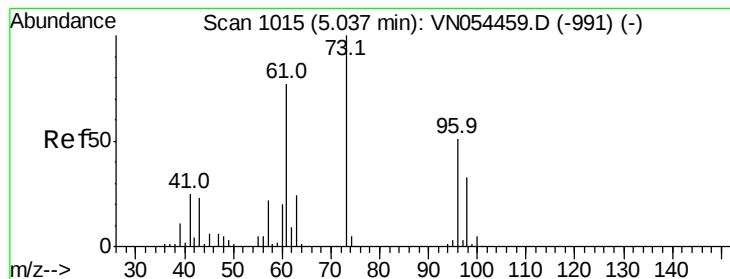
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#20
Methylene Chloride
Concen: 47.195 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 84 Resp: 264915
Ion Ratio Lower Upper
84 100
49 144.5 89.7 134.5#
51 41.8 28.2 42.4
86 67.3 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.560 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 248552

Ion Ratio Lower Upper

96 100

61 151.1 102.8 154.2

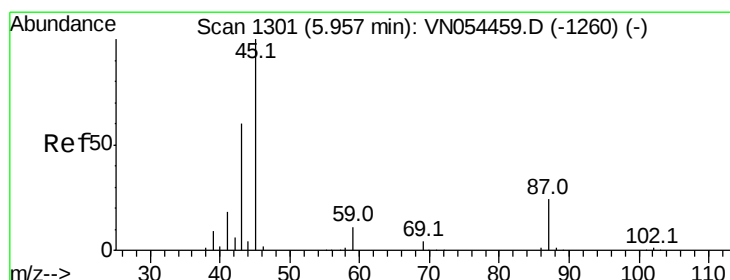
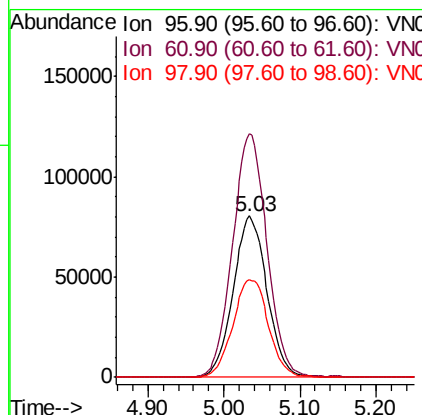
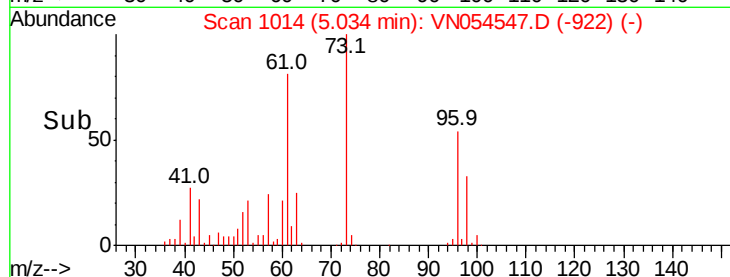
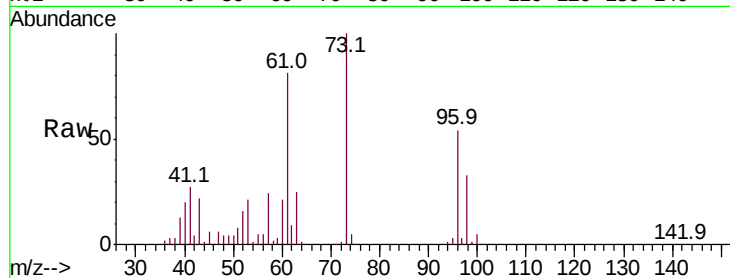
98 60.5 50.0 75.0

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#22

Diisopropyl ether

Concen: 52.287 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion: 45 Resp: 953846

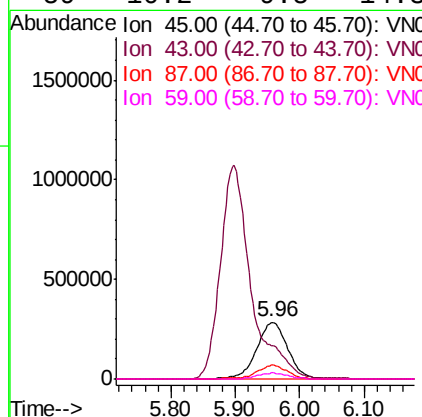
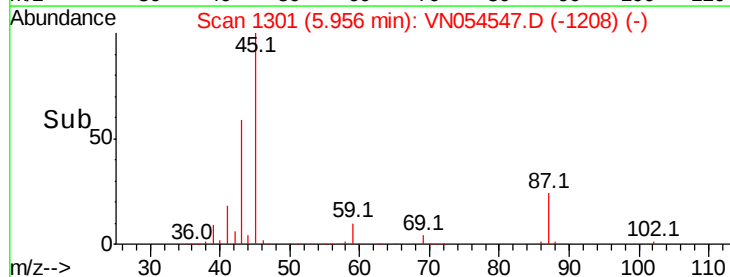
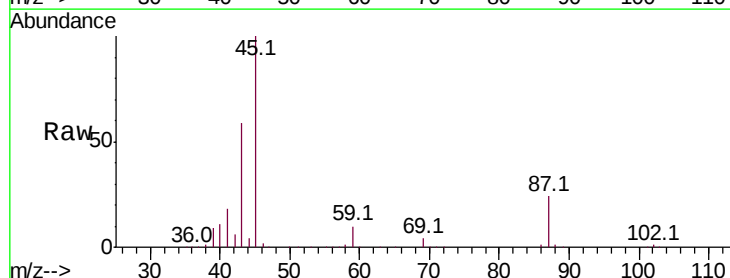
Ion Ratio Lower Upper

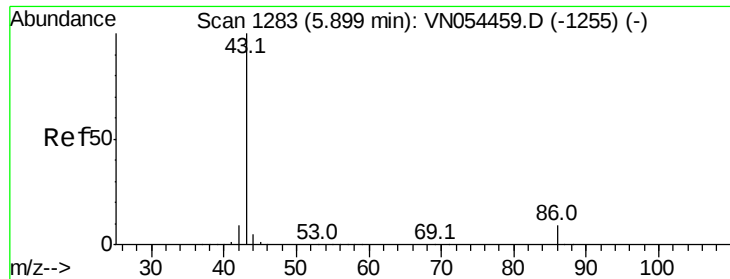
45 100

43 58.7 48.2 72.2

87 24.1 24.9 37.3#

59 10.2 9.5 14.3





#23

Vinyl Acetate

Concen: 277.412 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3574222

Ion Ratio Lower Upper

43 100

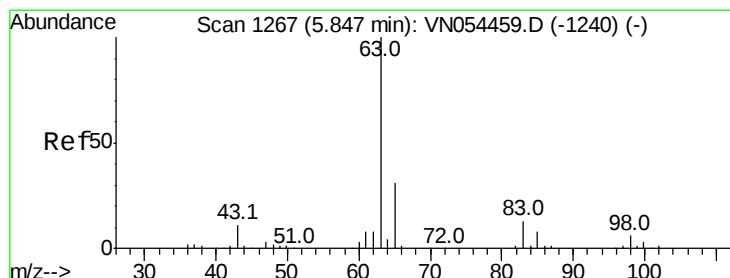
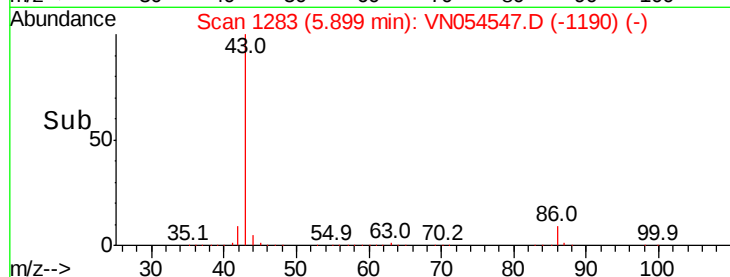
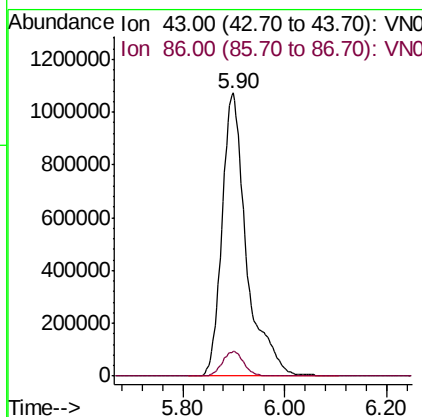
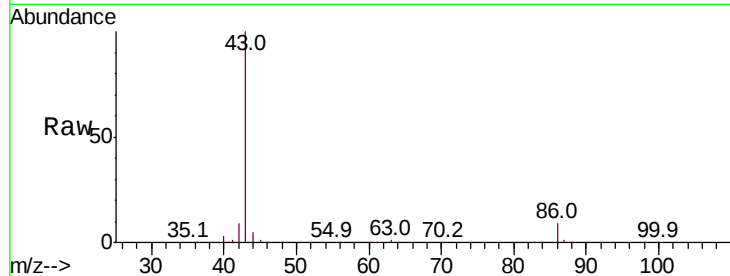
86 8.7 9.1 13.7#

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#24

1,1-Dichloroethane

Concen: 50.990 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

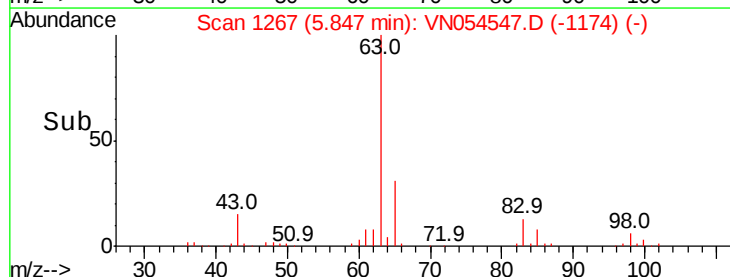
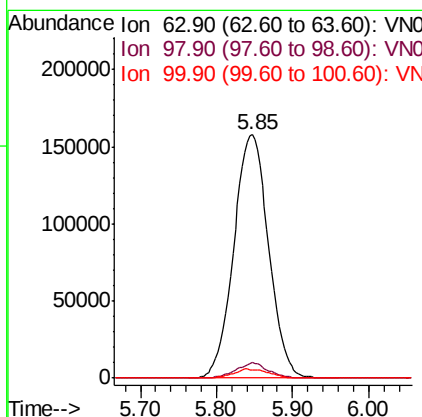
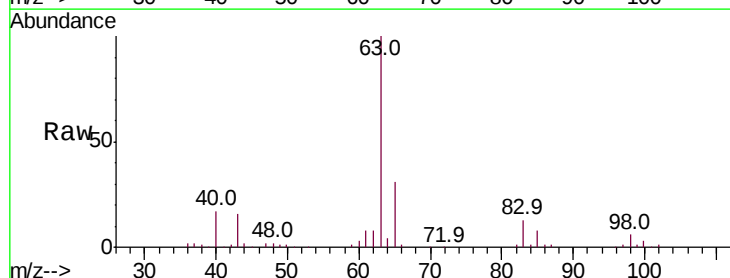
Tgt Ion: 63 Resp: 500848

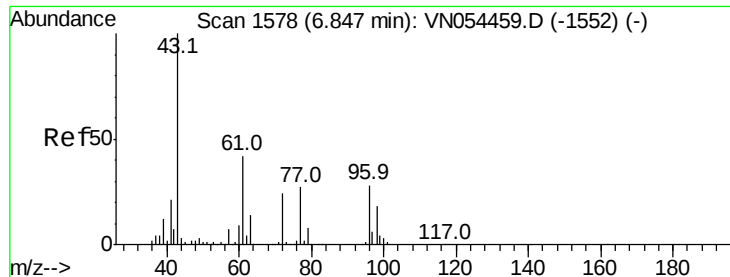
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 3.3 2.0 6.0





#25

2-Butanone

Concen: 291.325 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 710629

Ion Ratio Lower Upper

43 100

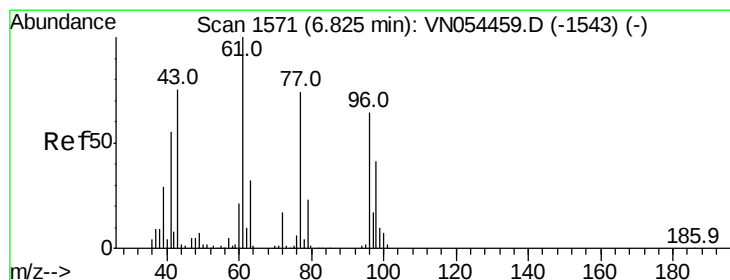
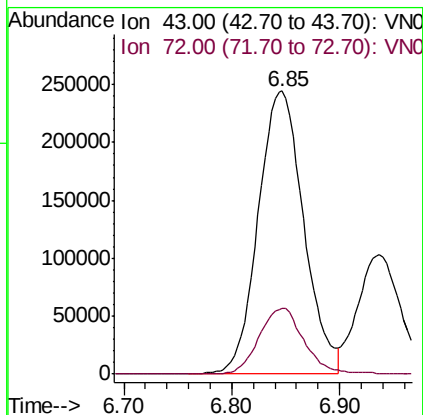
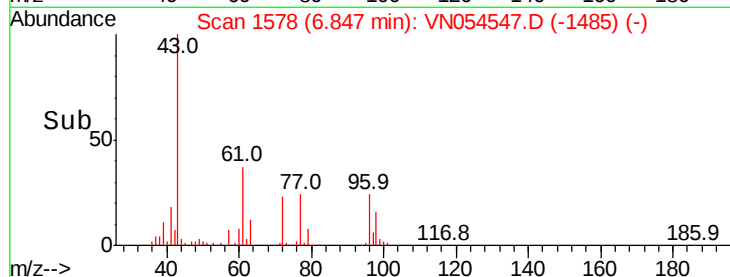
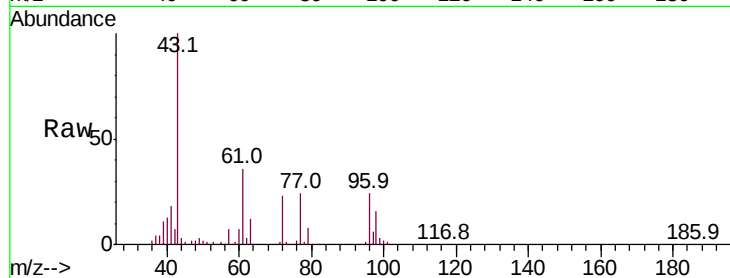
72 23.4 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.907 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054547.D

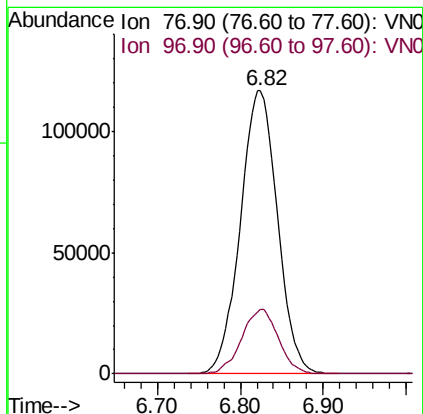
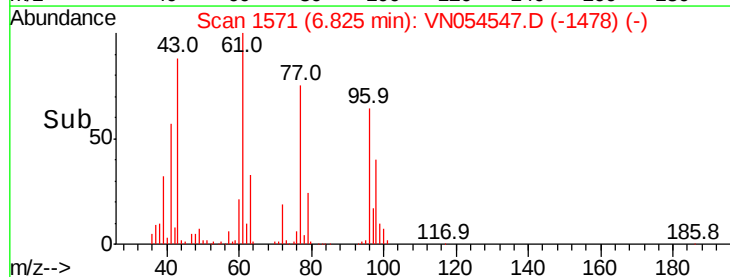
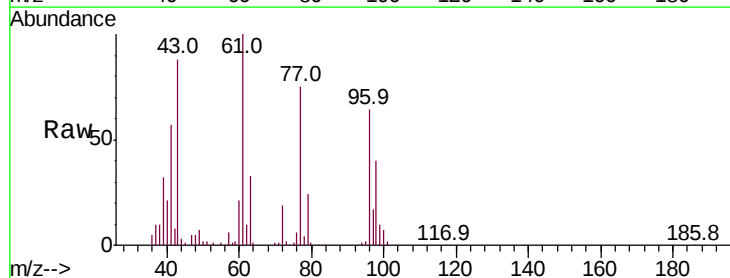
Acq: 22 Mar 2019 10:10

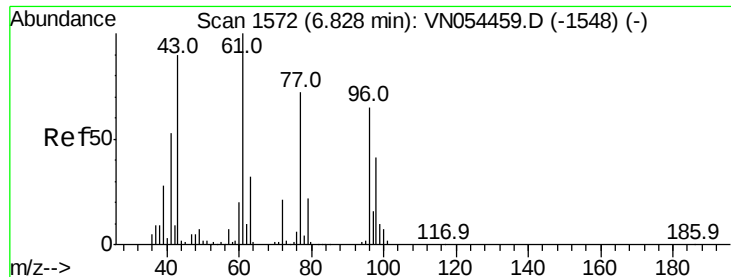
Tgt Ion: 77 Resp: 363448

Ion Ratio Lower Upper

77 100

97 22.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 47.642 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

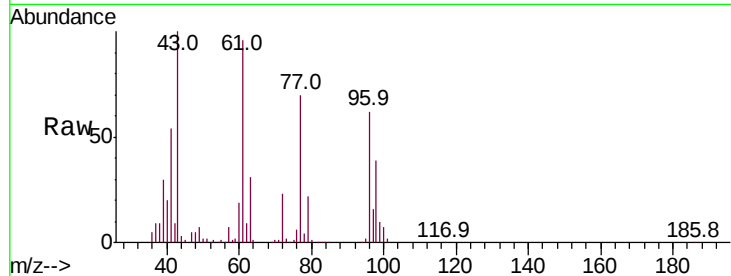
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	284988		
61	160.1	0.0	273.0	
98	65.2	0.0	130.6	

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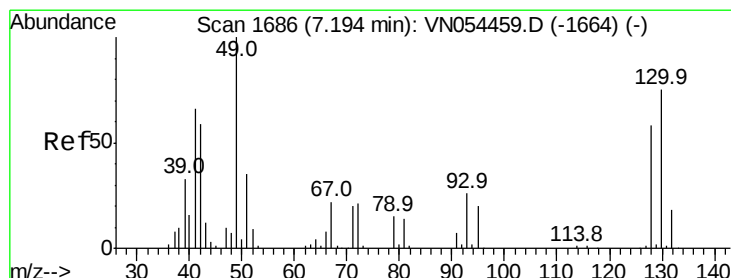
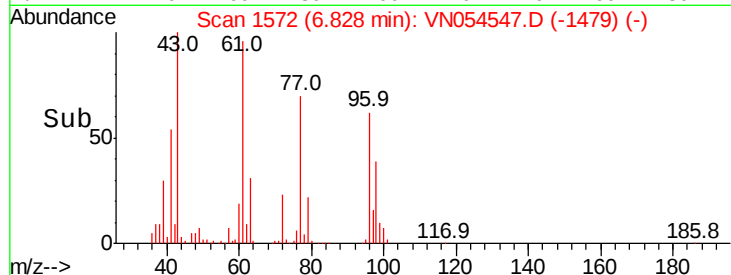
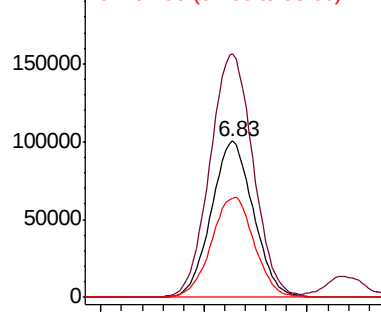


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 52.825 ug/l

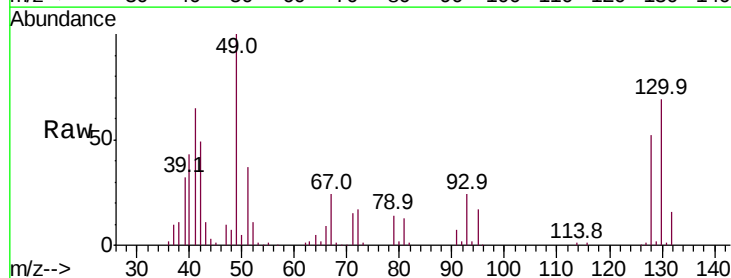
RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	255400		
129	1.0	0.0	4.6	
130	70.0	76.7	115.1#	

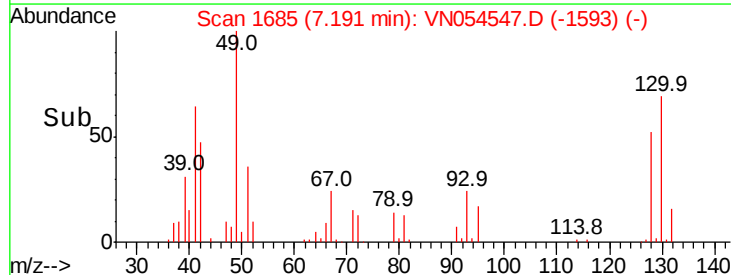
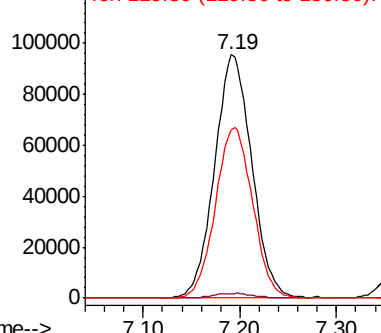


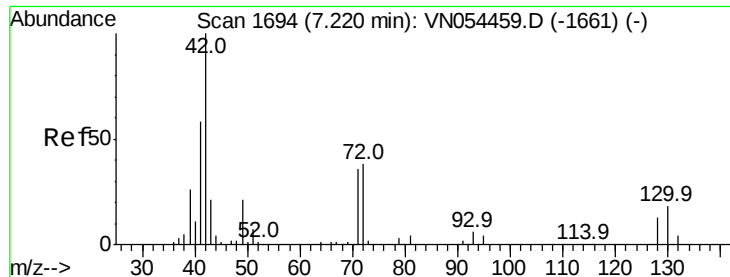
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





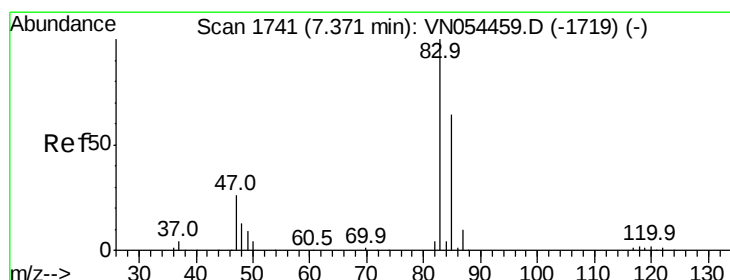
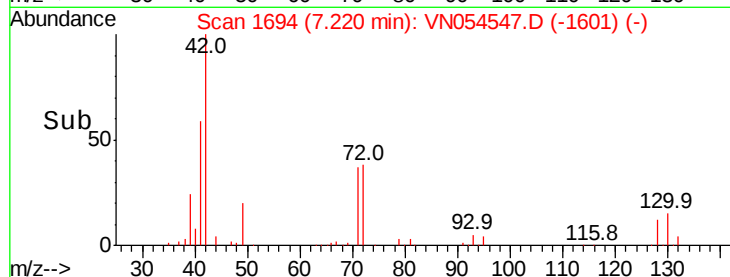
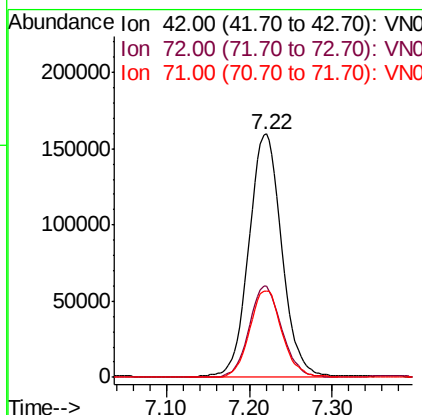
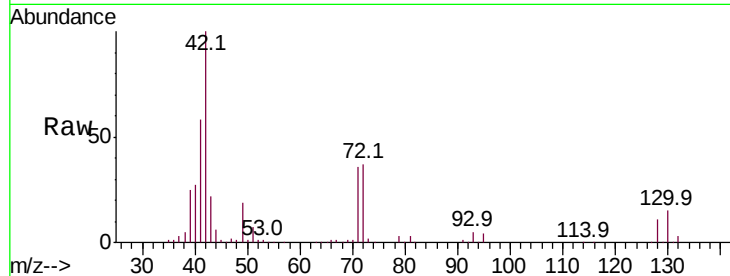
#29
Tetrahydrofuran
Concen: 277.665 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.8	56.6#
71	35.1	36.2	54.2#

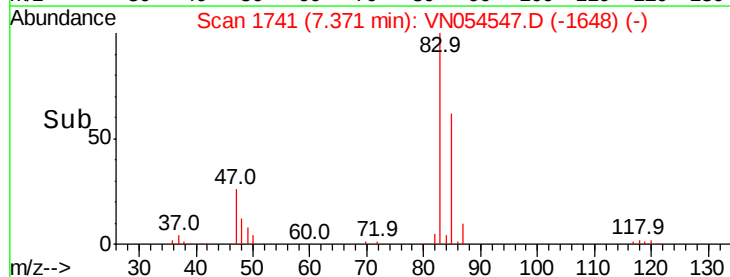
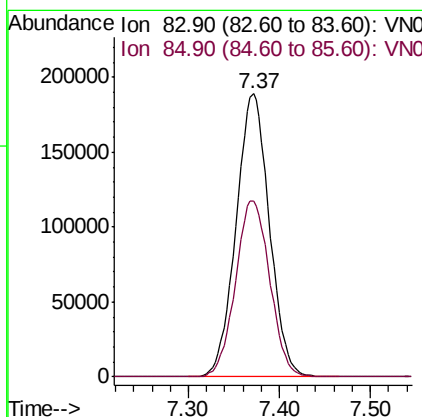
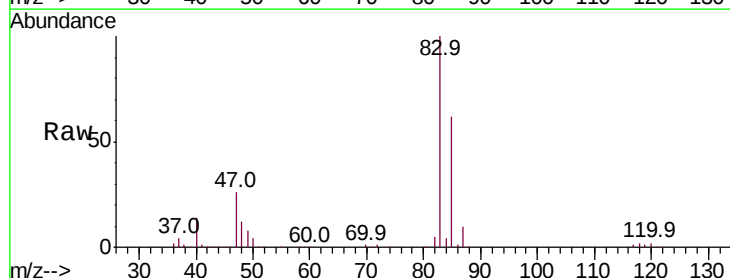
Manual Integrations
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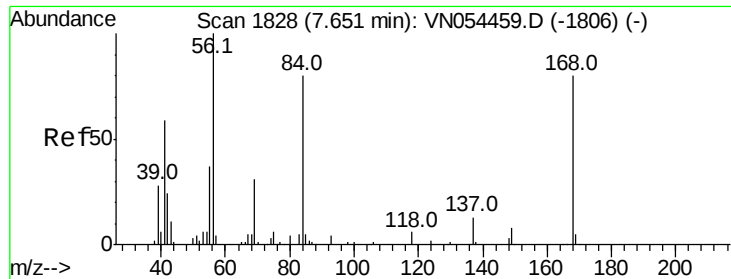
MMDadoda
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#30
Chloroform
Concen: 50.130 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	52.2	78.4





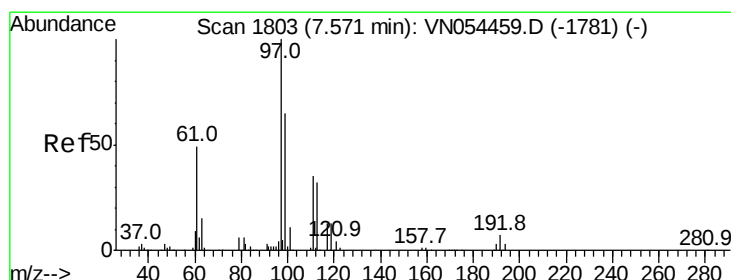
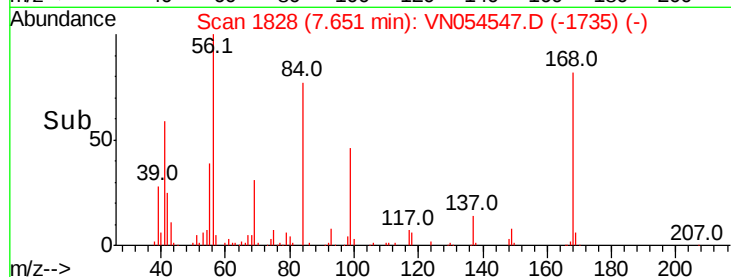
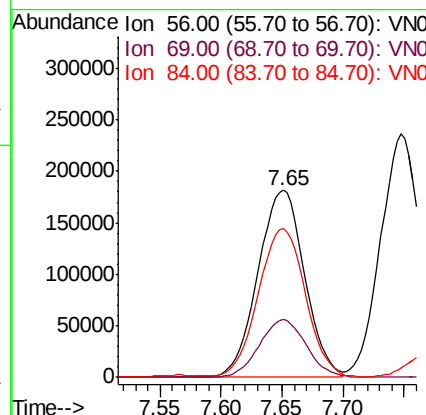
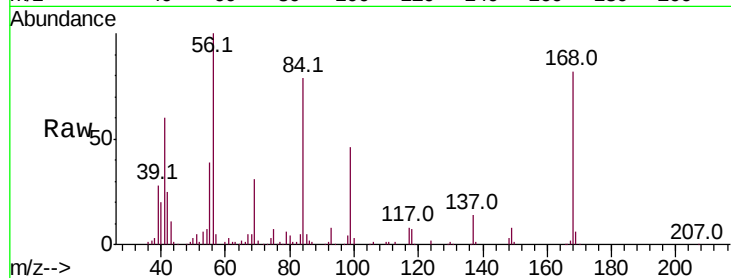
#31
Cyclohexane
Concen: 51.284 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	27.8	41.6
84	78.1	74.6	111.8

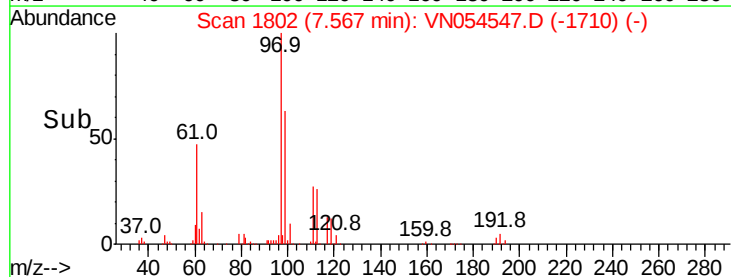
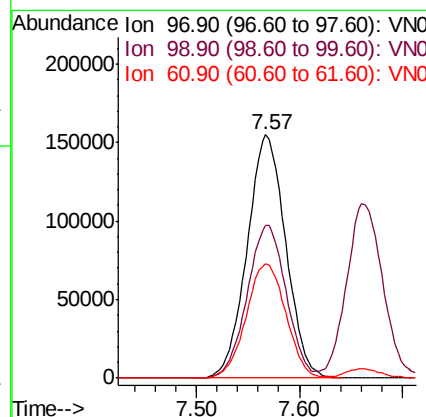
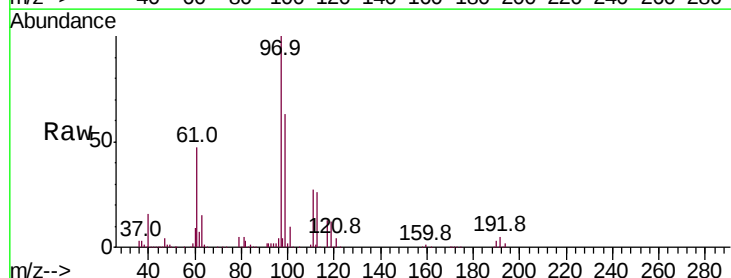
Manual Integrations
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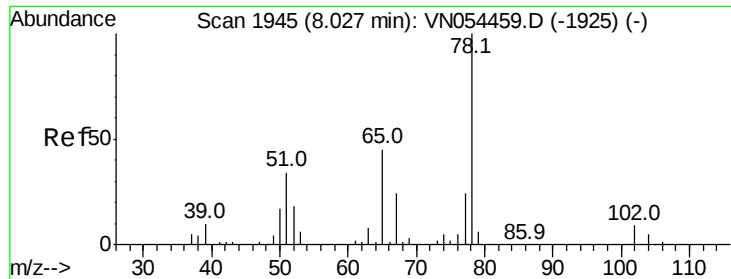
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.908 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	48.4	33.6	50.4





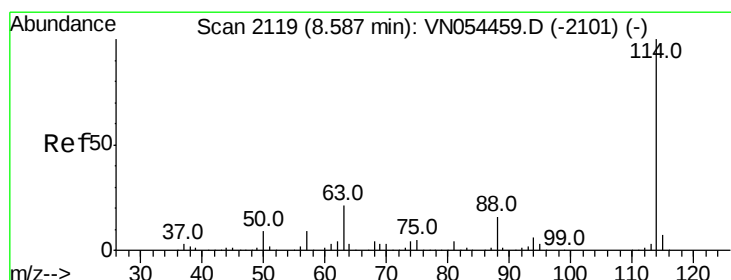
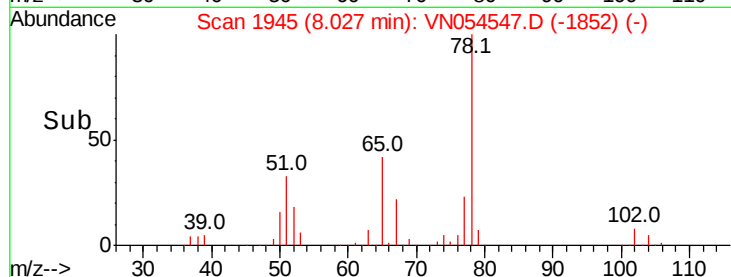
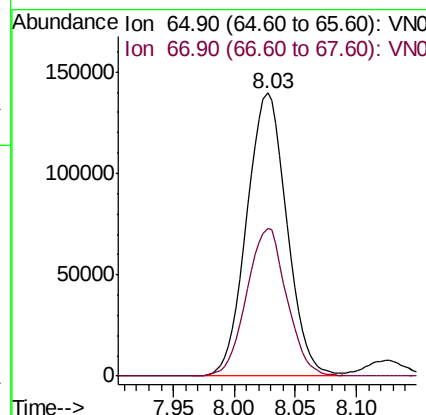
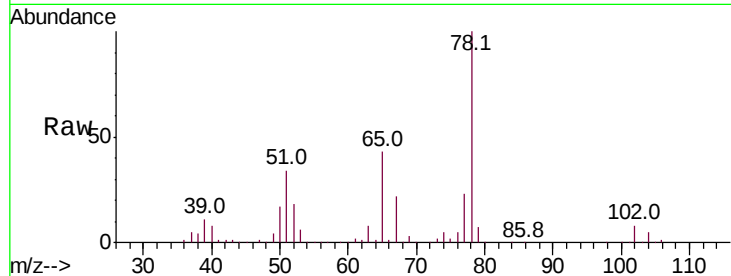
#33
 1,2-Dichloroethane-d4
 Concen: 50.170 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.1	0.0	104.6	

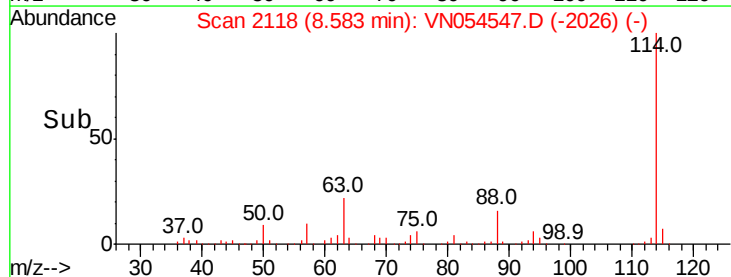
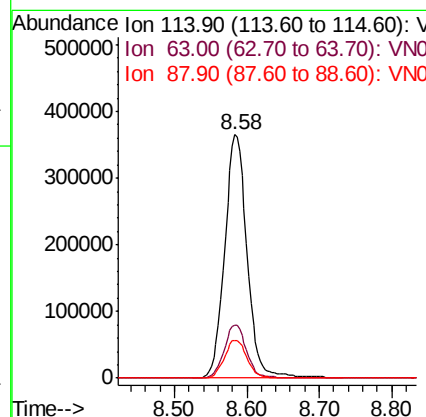
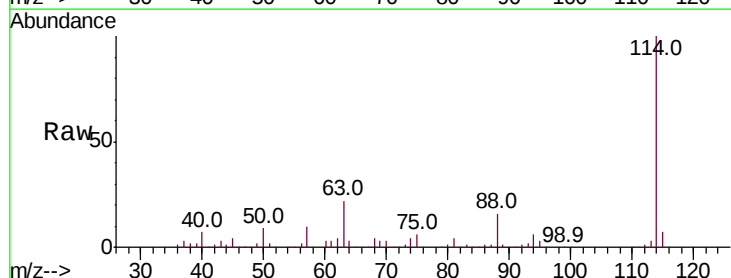
Manual Integrations
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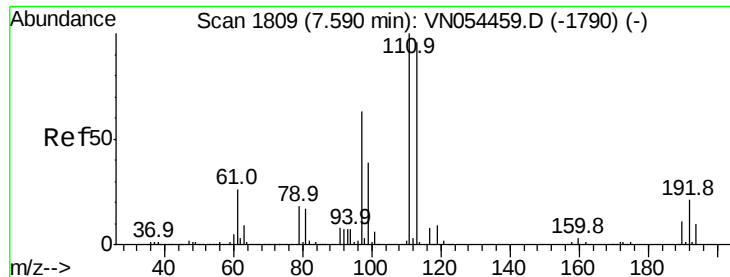
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 3/25/2019 3:10:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.9	0.0	35.2	
88	15.6	0.0	30.2	





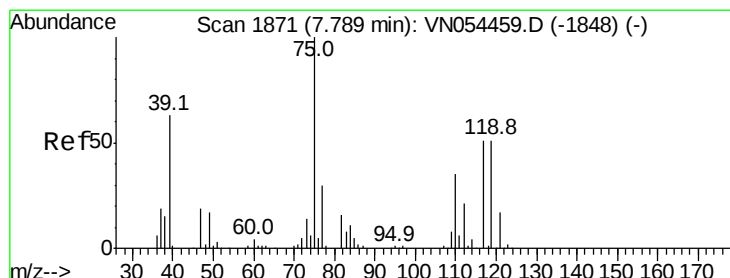
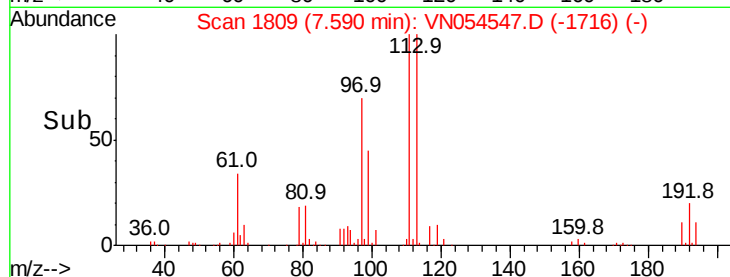
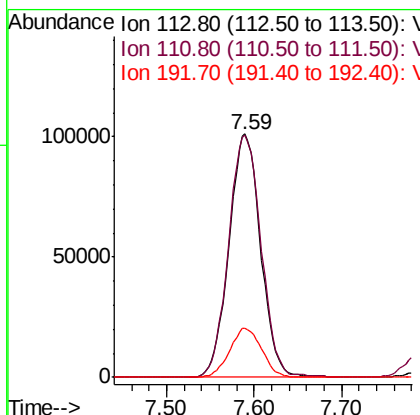
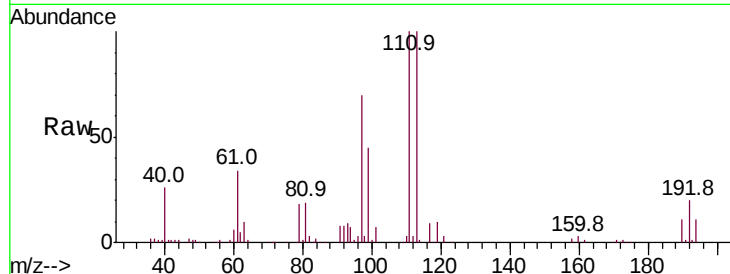
#35
 Dibromofluoromethane
 Concen: 50.431 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	254194		
111	102.3	82.2	123.4	
192	20.4	19.2	28.8	

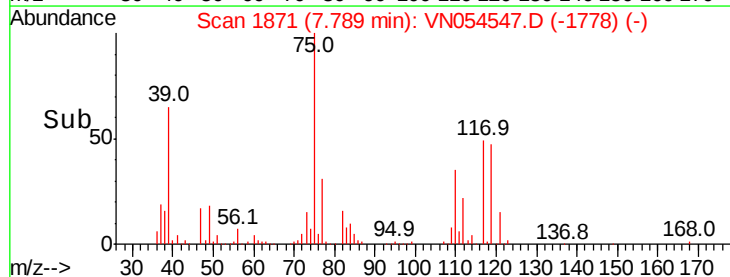
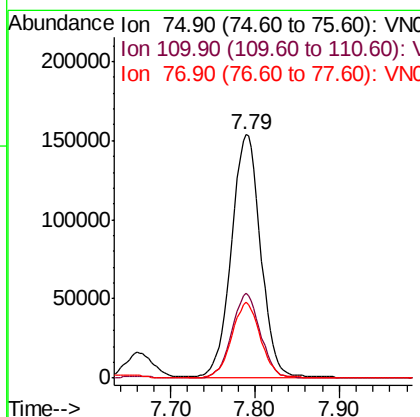
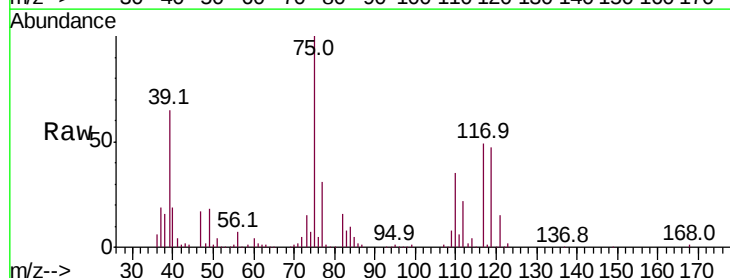
Manual Integrations
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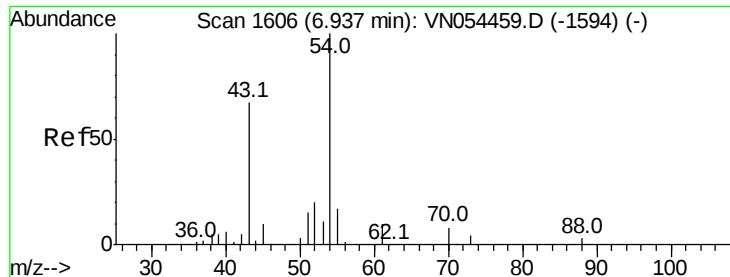
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 50.862 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	372067		
110	34.0	19.1	57.5	
77	30.8	25.0	37.4	





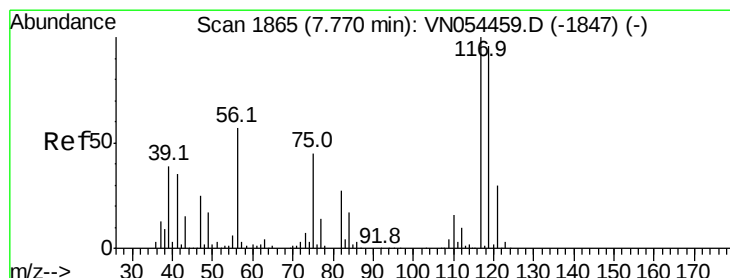
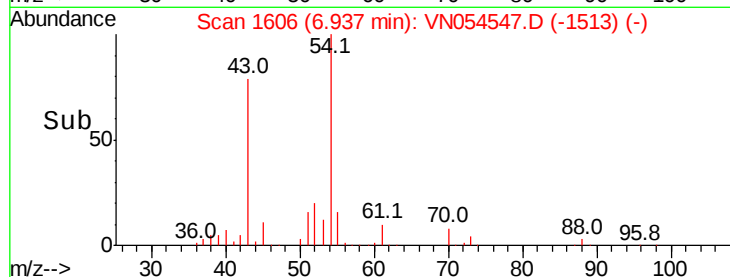
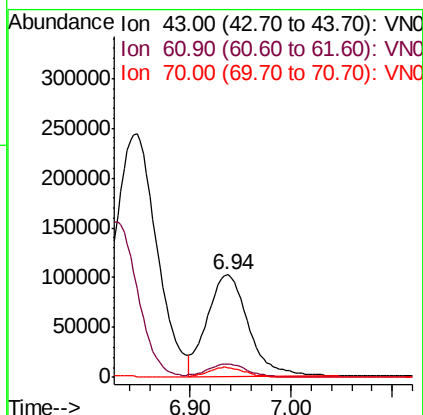
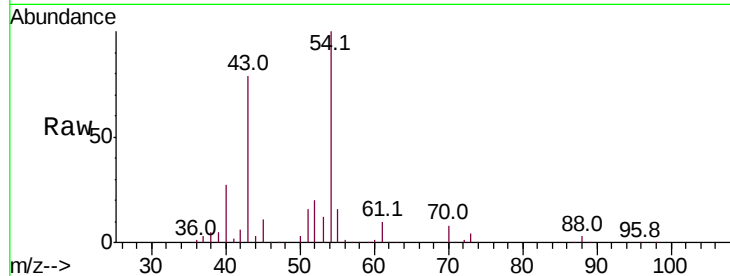
#37
Ethyl Acetate
Concen: 55.732 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	11.8	17.6
70	9.0	8.4	12.6

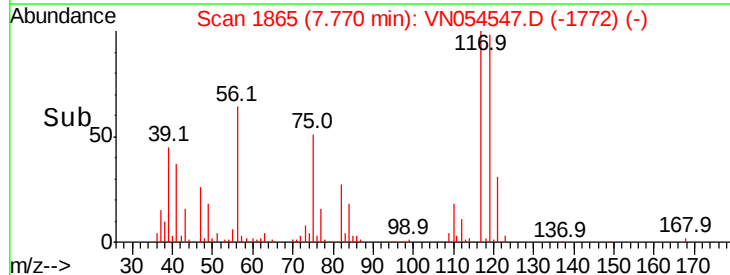
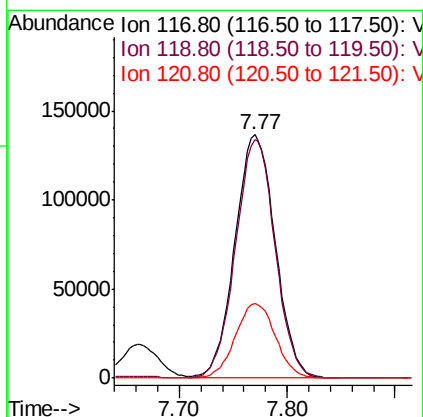
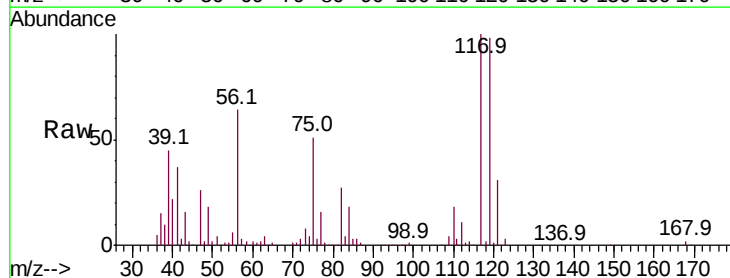
Manual Integrations
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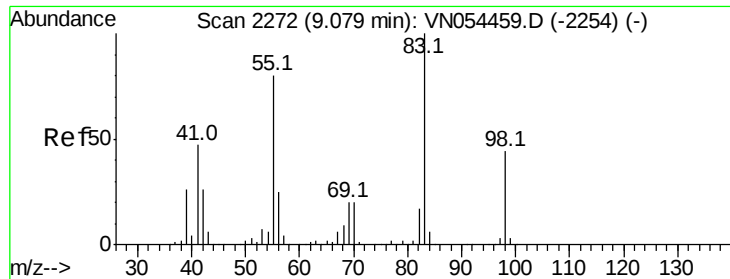
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.464 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.3	114.5
121	30.6	24.6	36.8





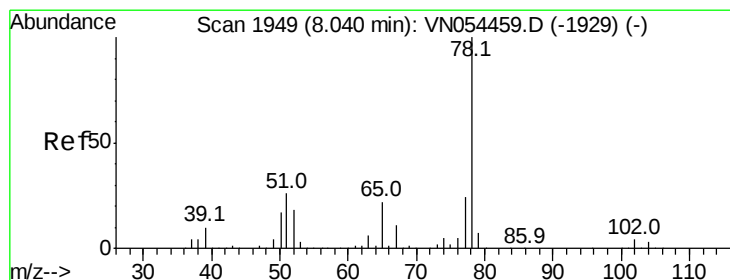
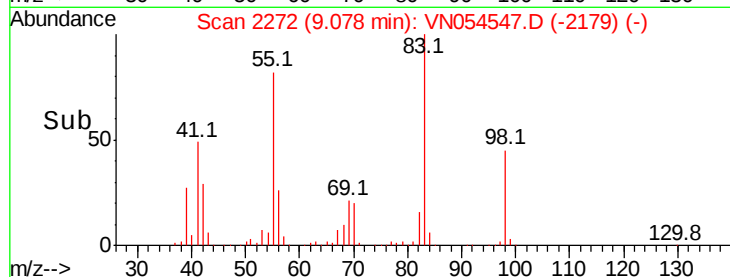
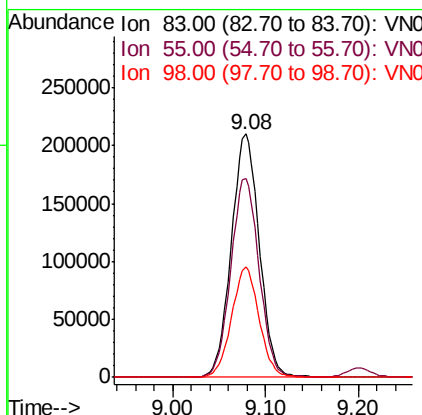
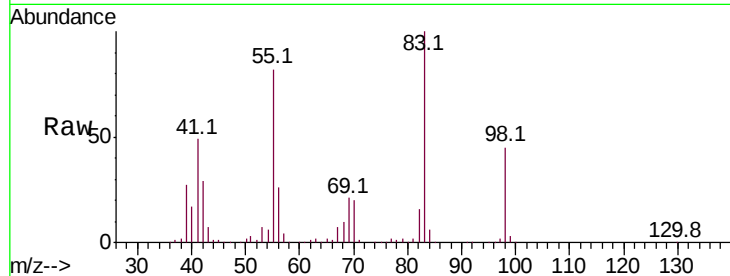
#39
Methvlcvclohexane
Concen: 52.640 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	56.6	84.8
98	45.5	38.4	57.6

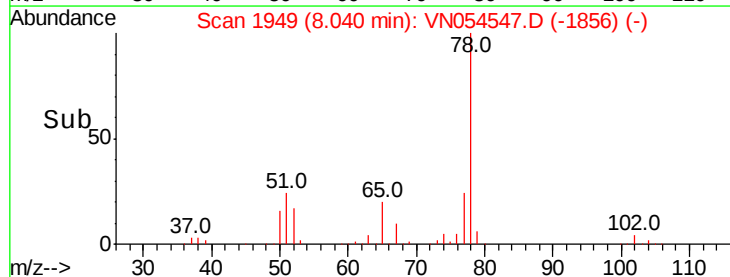
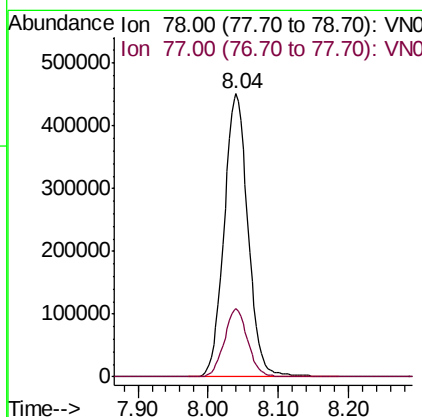
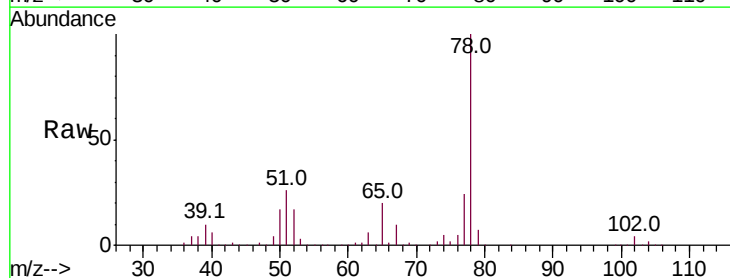
Manual Integrations
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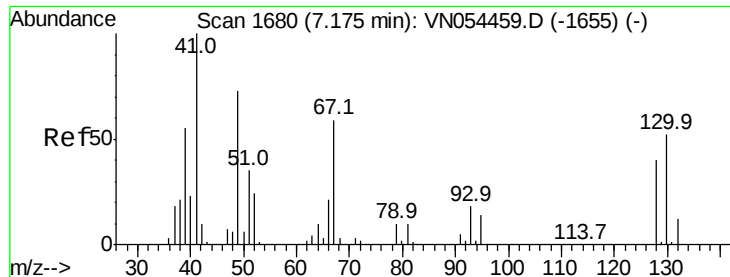
MMDadoda
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#40
Benzene
Concen: 51.138 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.1	28.7





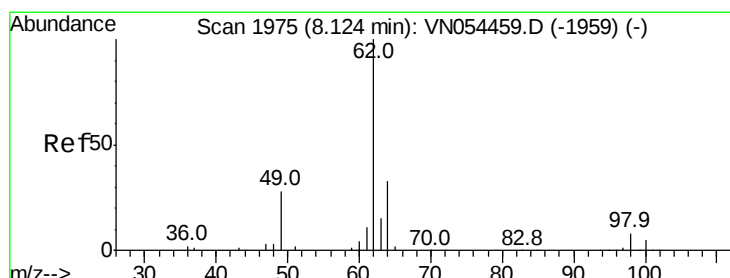
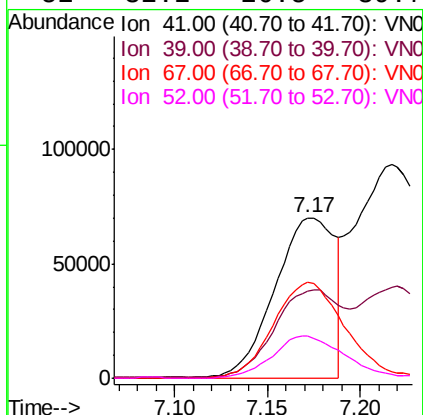
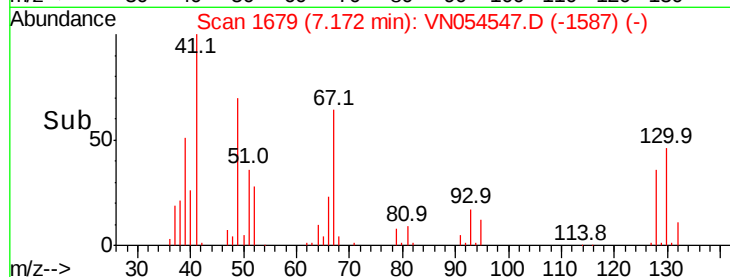
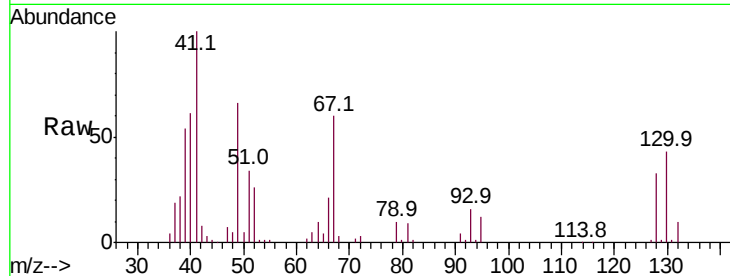
#41
Methacrylonitrile
Concen: 49.608 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	46.8	70.2
67	72.7	67.0	100.4
52	32.2	26.5	39.7

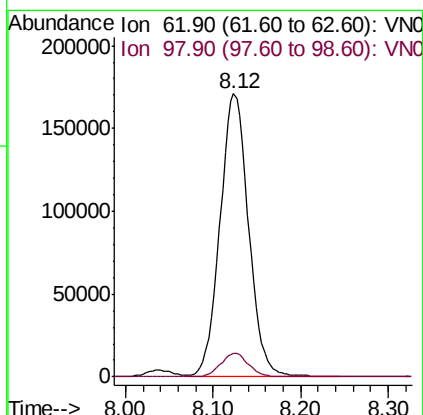
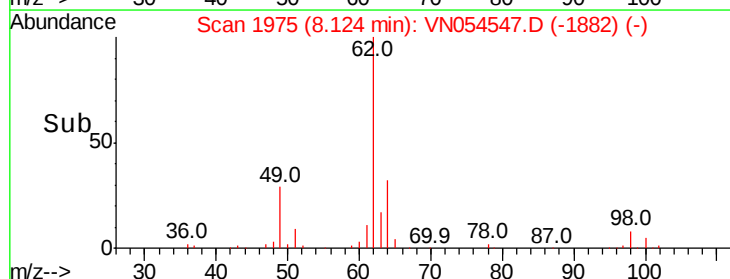
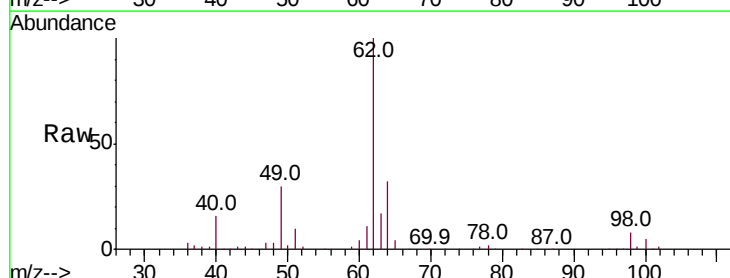
Manual Integrations
APPROVED

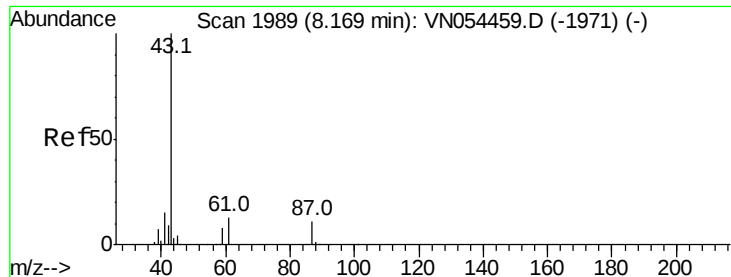
MMDadoda
3/25/2019 3:10:56 PM



#42
1,2-Dichloroethane
Concen: 50.945 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.4





#43

Isopropyl Acetate

Concen: 56.770 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

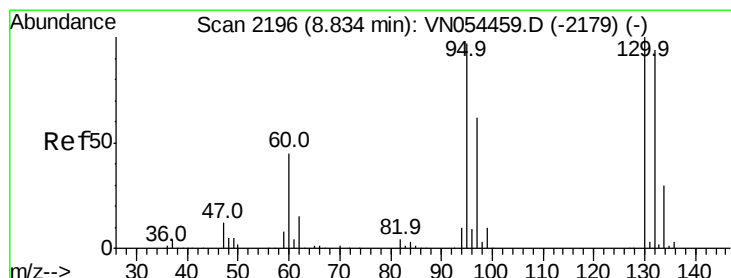
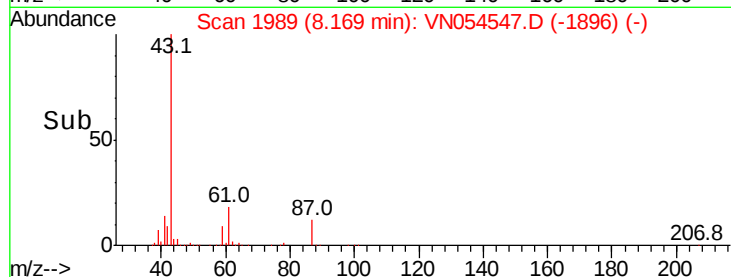
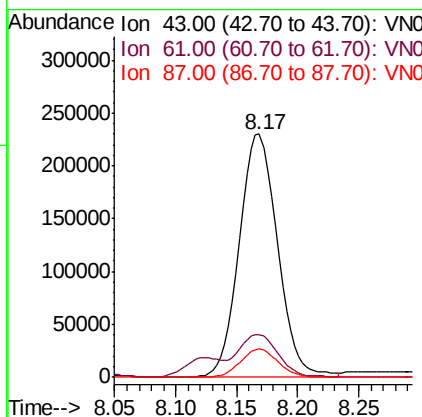
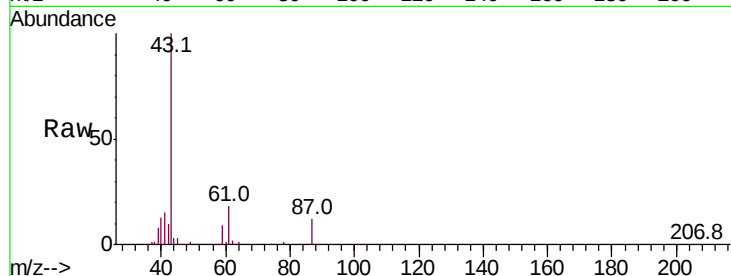
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	498829
Ion	Ratio	Lower	Upper
43	100		
61	17.7	15.8	23.8
87	11.6	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 49.381 ug/l

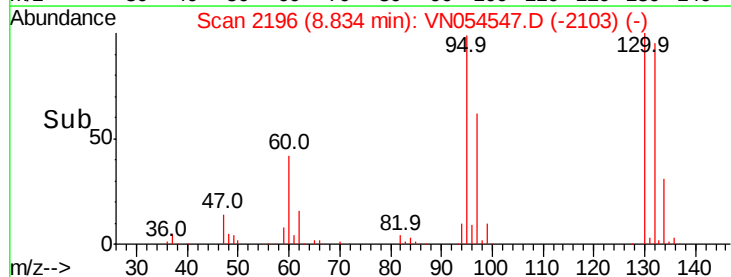
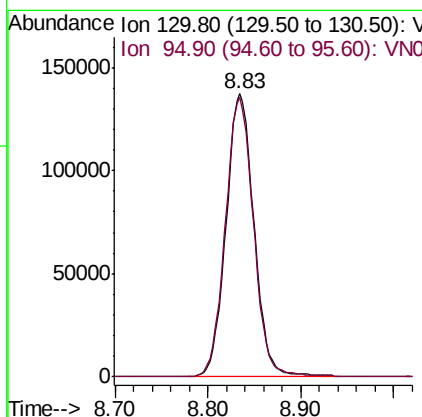
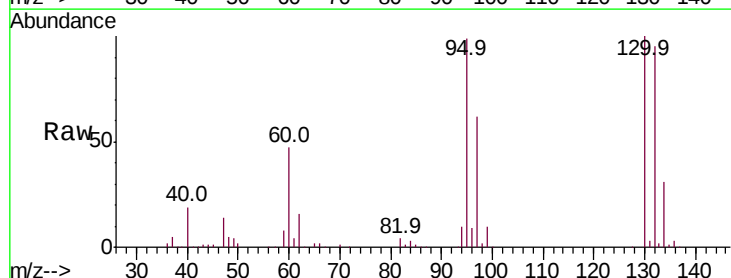
RT: 8.83 min Scan# 2196

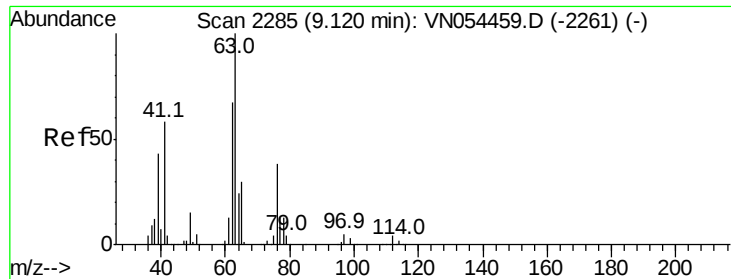
Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	130	Resp:	287184
Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	185.2





#45

1,2-Dichloropropane

Concen: 53.600 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 301070

Ion Ratio Lower Upper

63 100

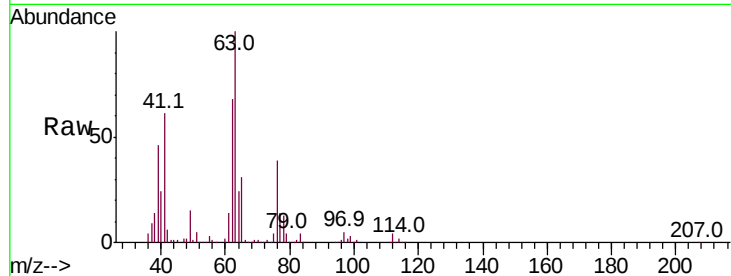
65 31.2 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

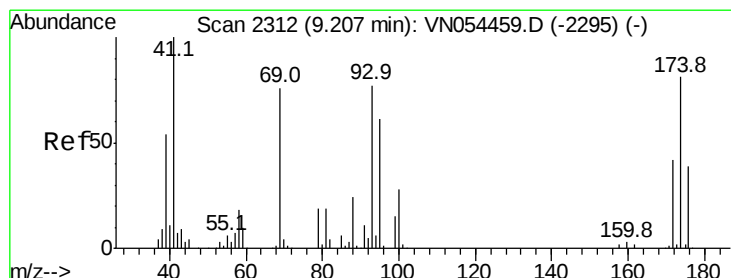
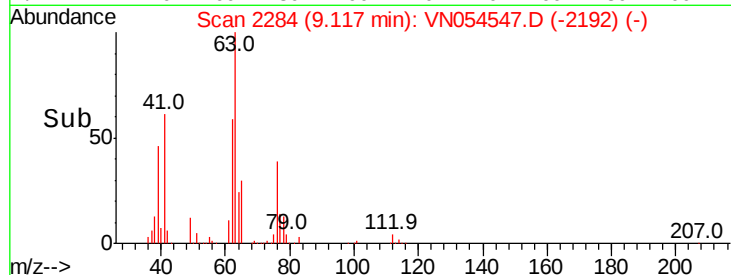
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 52.679 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

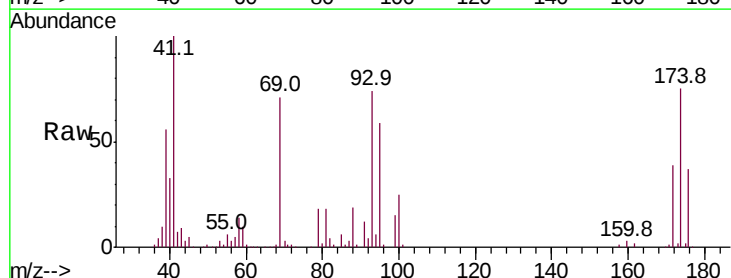
Tgt Ion: 93 Resp: 176527

Ion Ratio Lower Upper

93 100

95 82.6 66.7 100.1

174 103.4 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

60000

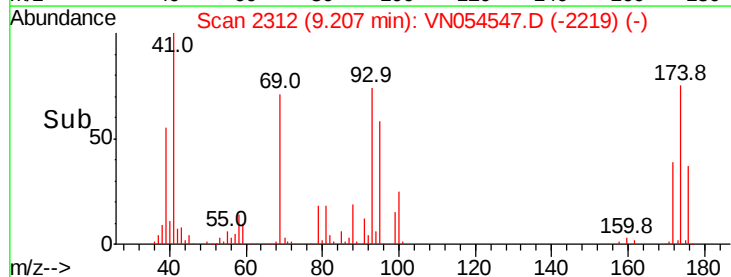
40000

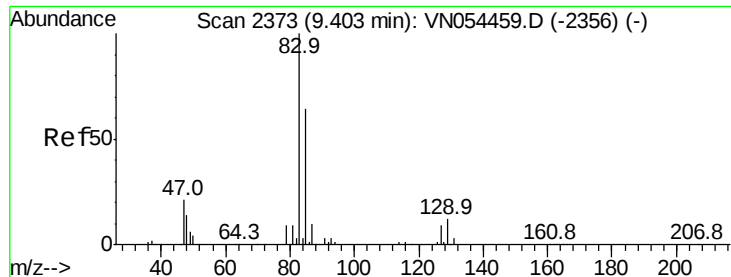
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 52.263 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

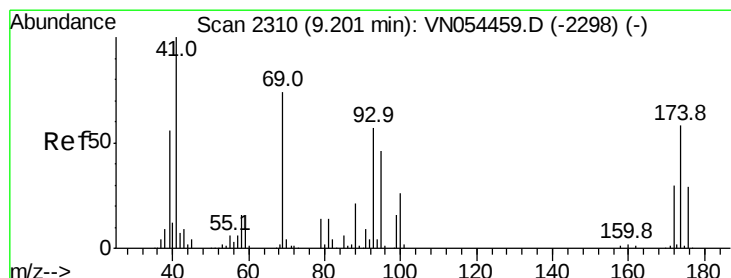
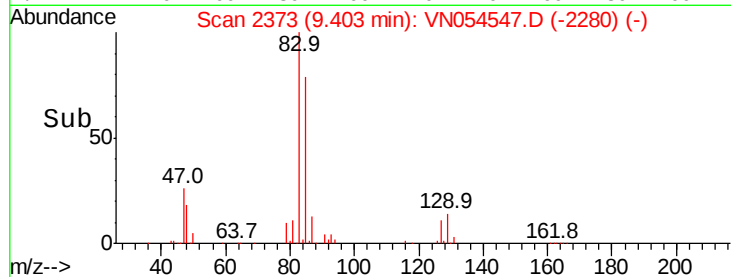
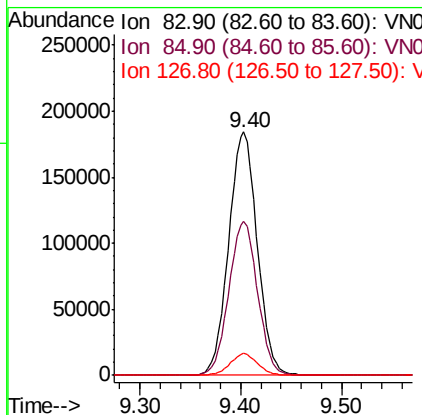
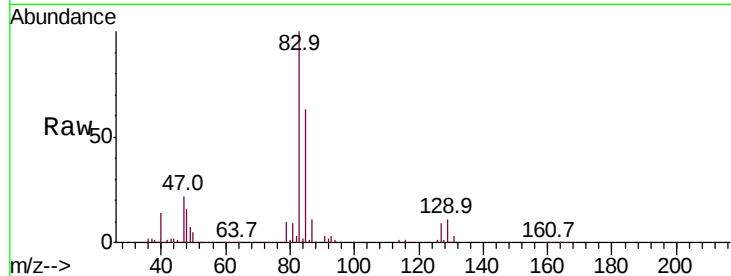
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	363460
Ion Ratio	Lower	Upper	
83	100		
85	63.5	52.8	79.2
127	9.1	7.4	11.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.626 ug/l

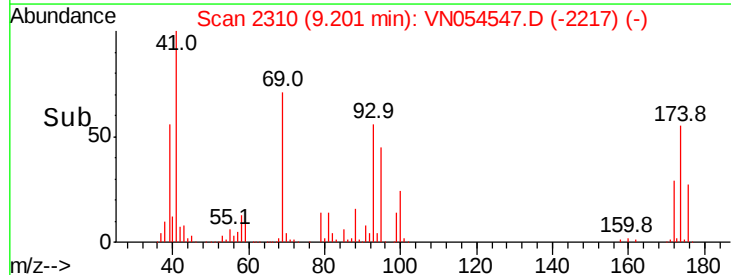
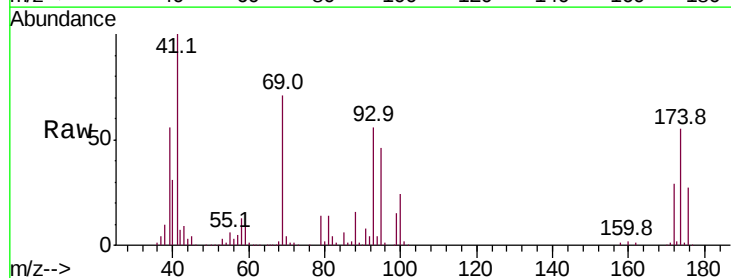
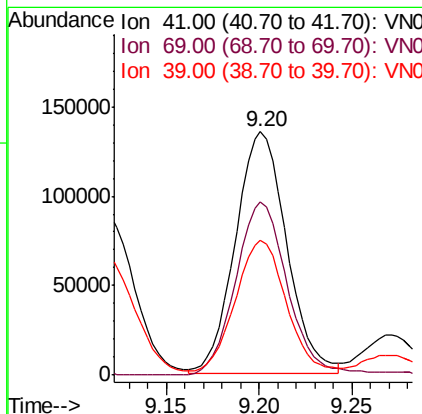
RT: 9.20 min Scan# 2310

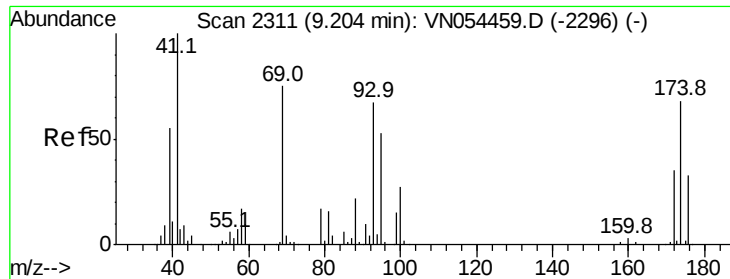
Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	41	Resp:	260520
Ion Ratio	Lower	Upper	
41	100		
69	73.7	72.6	108.8
39	55.5	47.5	71.3





#49

1,4-Dioxane

Concen: 897.411 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 88 Resp: 47847

Ion Ratio Lower Upper

88 100

43 43.3 24.1 36.1#

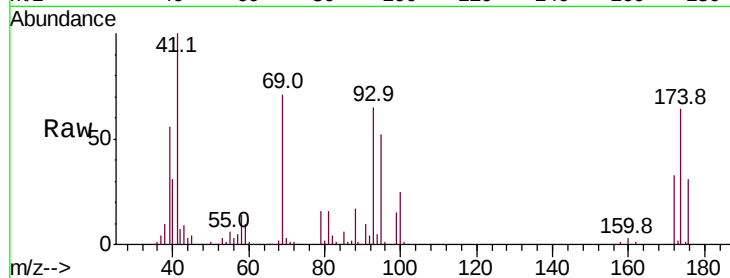
58 75.7 50.8 76.2

Manual Integrations

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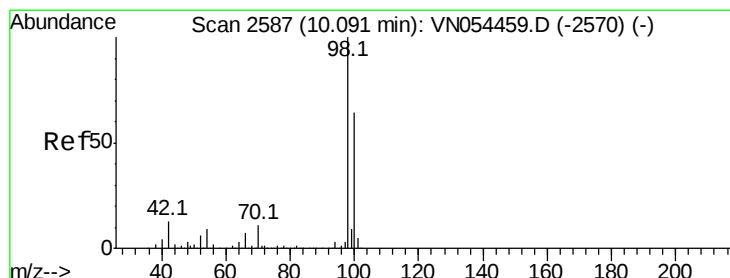
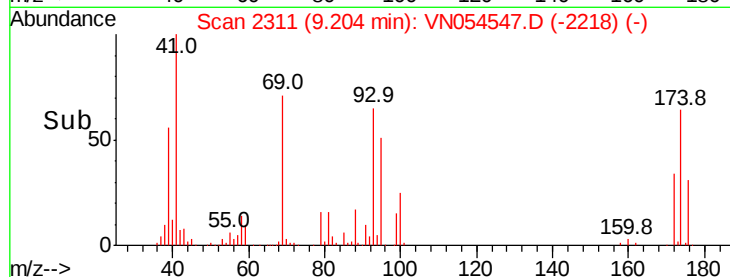
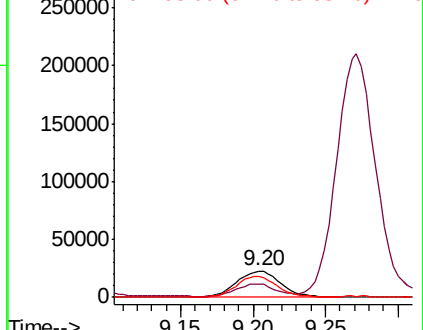
3/25/2019 3:10:56 PM



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.537 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054547.D

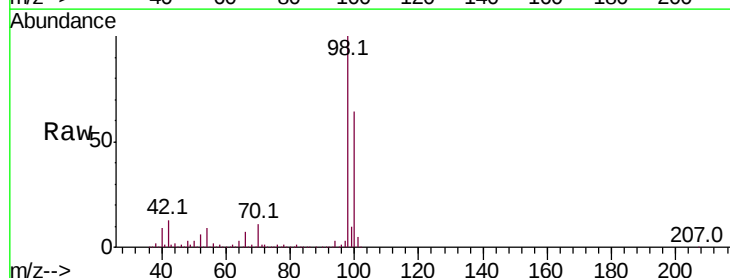
Acq: 22 Mar 2019 10:10

Tgt Ion: 98 Resp: 938673

Ion Ratio Lower Upper

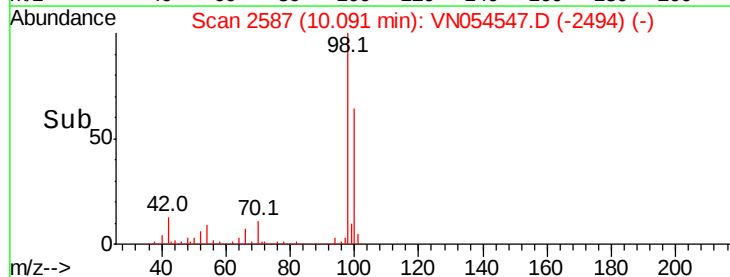
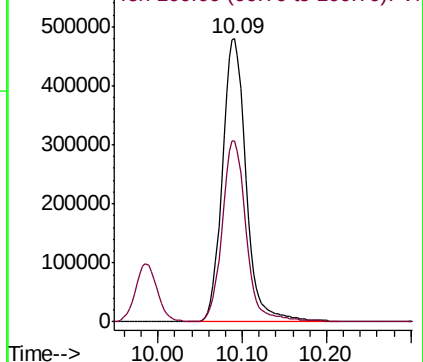
98 100

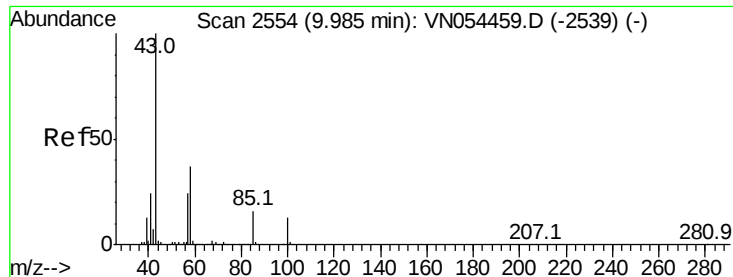
100 64.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 290.647 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1415366

Ion Ratio Lower Upper

43 100

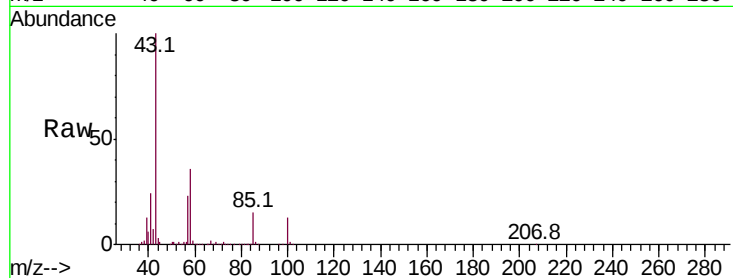
58 35.9 31.8 47.6

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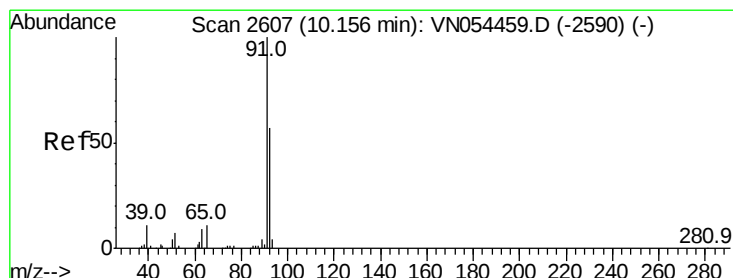
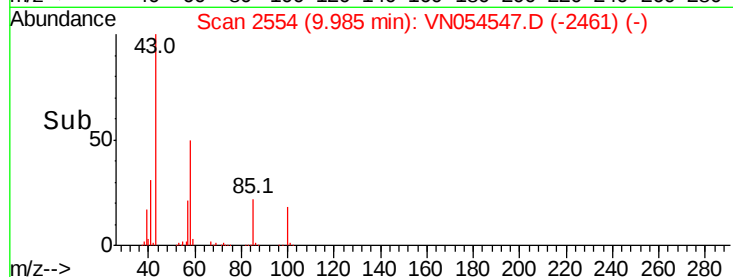
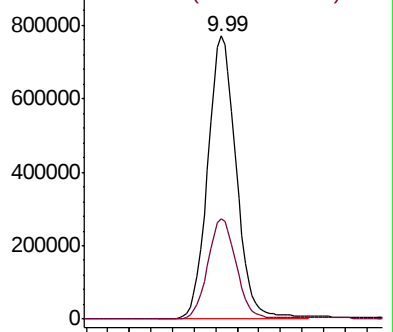
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.135 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054547.D

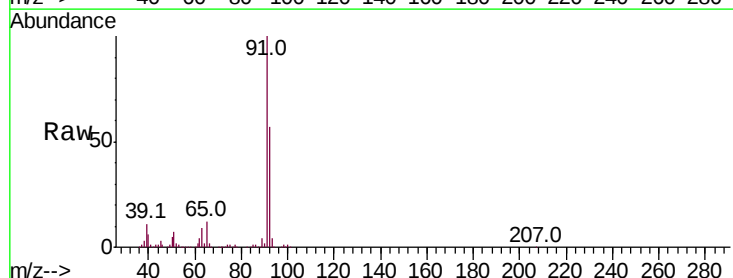
Acq: 22 Mar 2019 10:10

Tgt Ion: 92 Resp: 645020

Ion Ratio Lower Upper

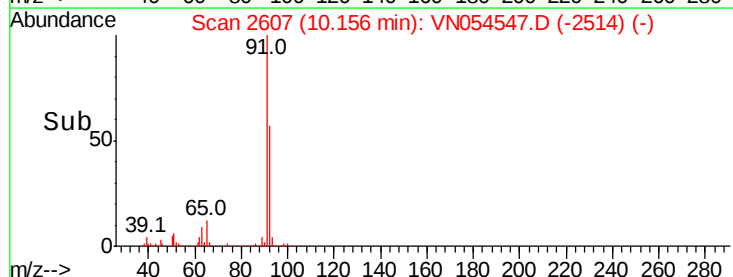
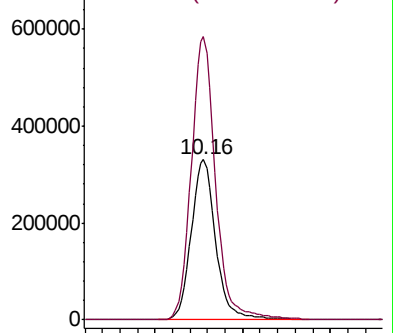
92 100

91 175.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 49.634 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 364001

Ion Ratio Lower Upper

75 100

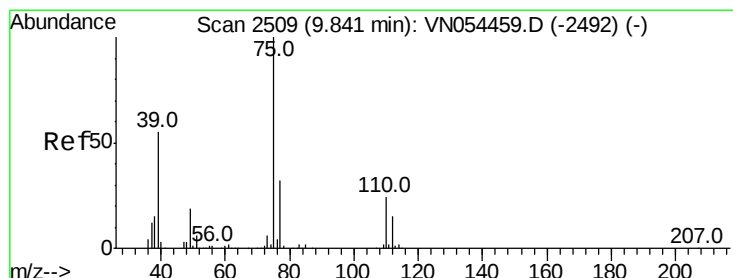
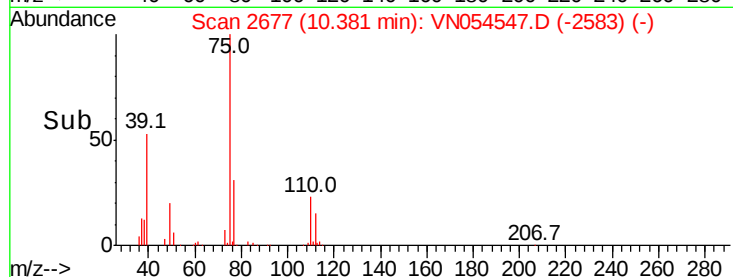
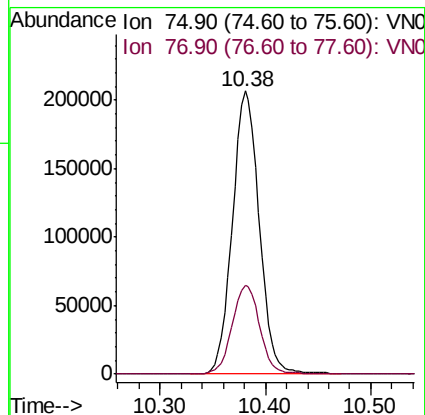
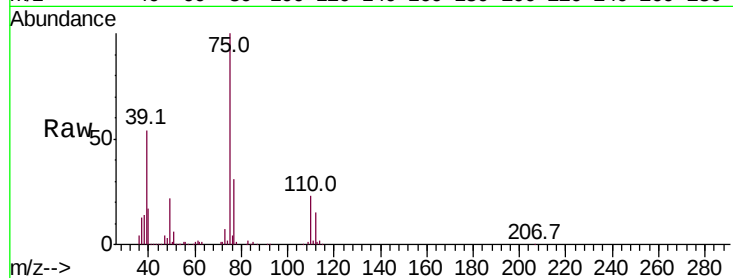
77 31.0 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 55.002 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

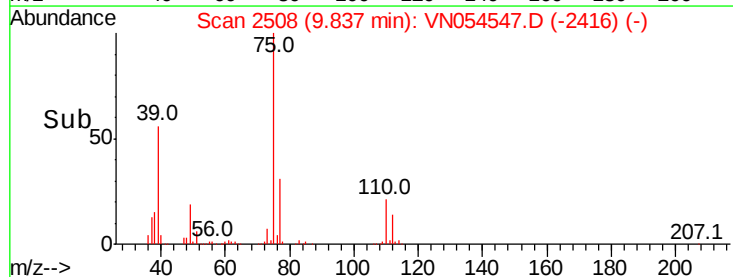
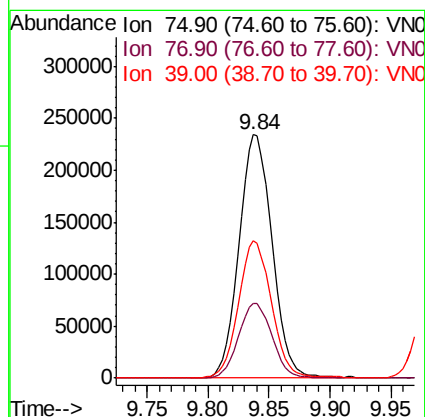
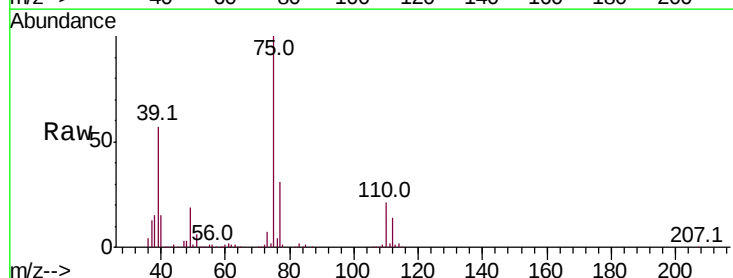
Tgt Ion: 75 Resp: 438589

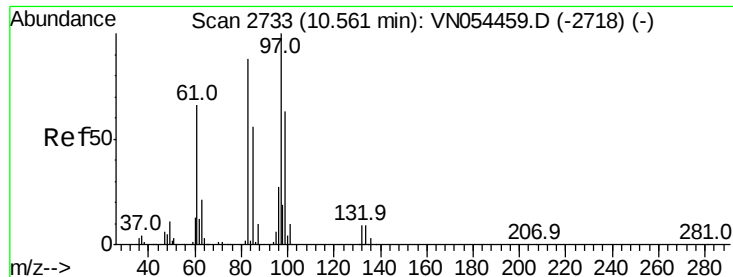
Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 56.4 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 51.940 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

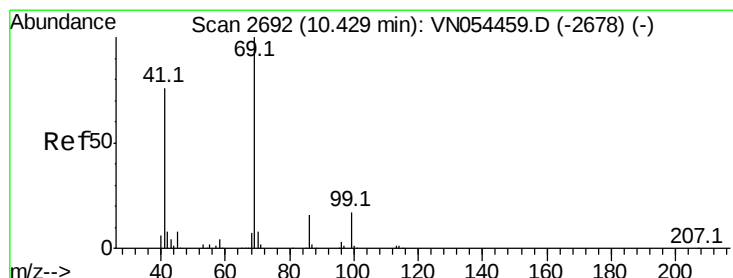
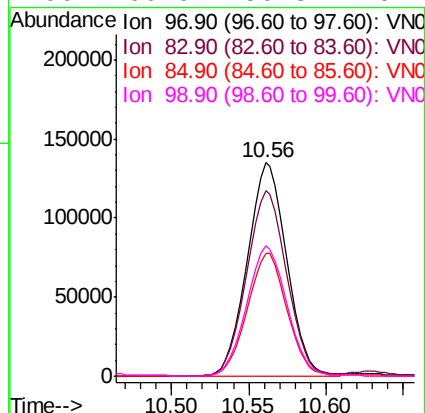
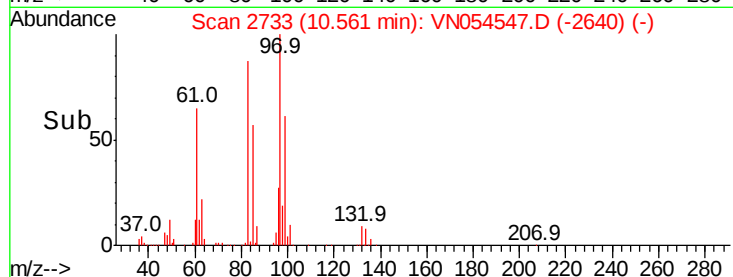
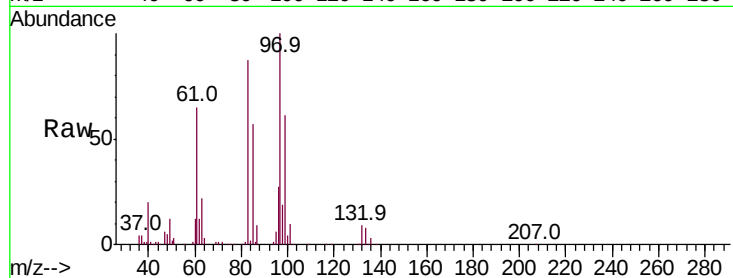
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	240211
Ion Ratio	Lower	Upper	
97	100		
83	86.8	66.6	100.0
85	57.3	44.4	66.6
99	60.9	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.149 ug/l

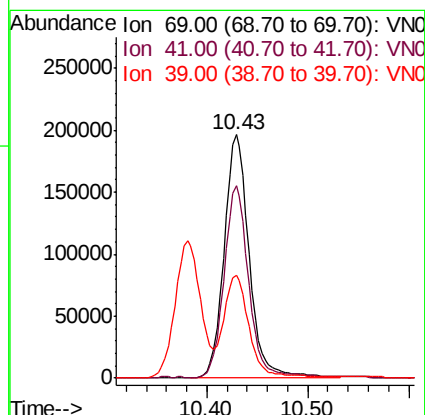
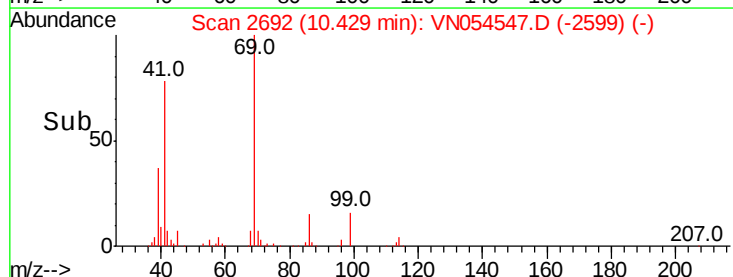
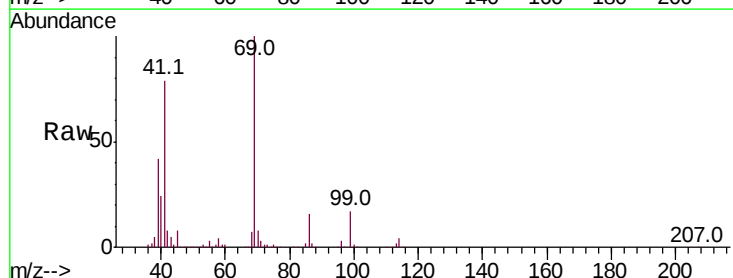
RT: 10.43 min Scan# 2692

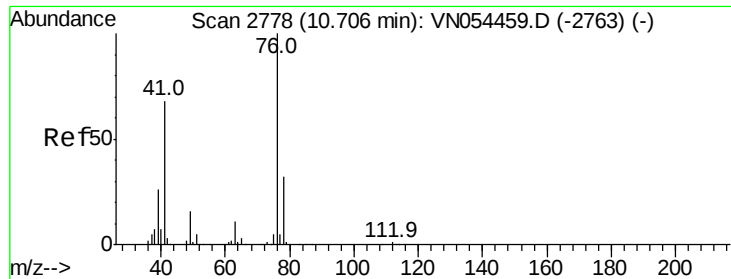
Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	69	Resp:	342329
Ion Ratio	Lower	Upper	
69	100		
41	77.0	49.4	74.2#
39	41.4	28.3	42.5





#57

1,3-Dichloropropane

Concen: 52.544 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 422420

Ion Ratio Lower Upper

76 100

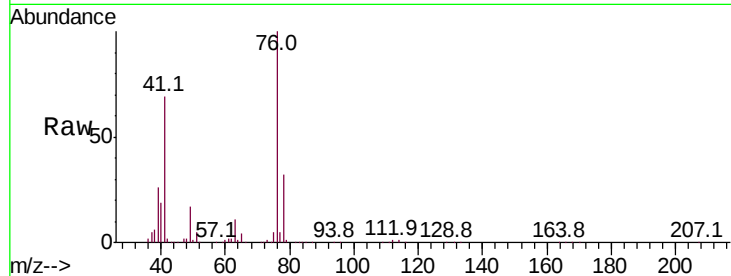
78 32.4 25.7 38.5

Manual Integrations

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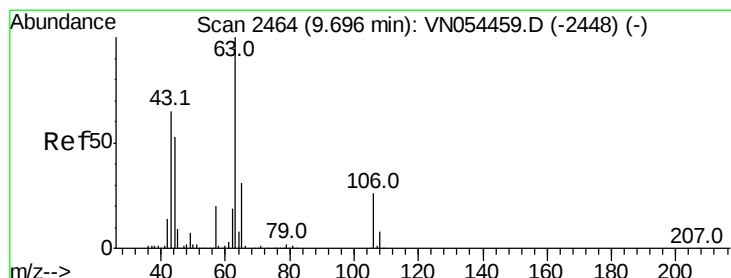
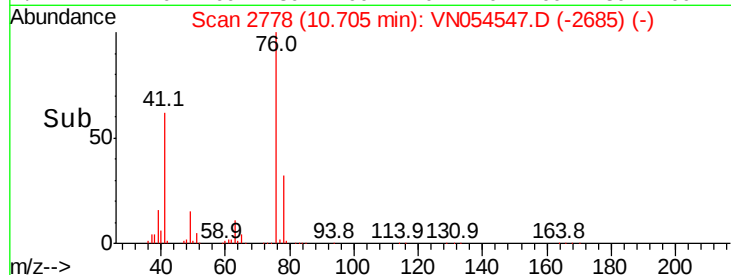
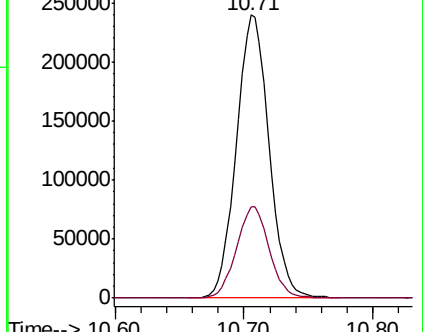
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 290.747 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054547.D

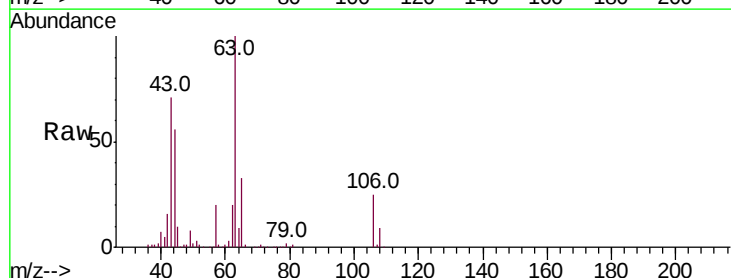
Acq: 22 Mar 2019 10:10

Tgt Ion: 63 Resp: 743164

Ion Ratio Lower Upper

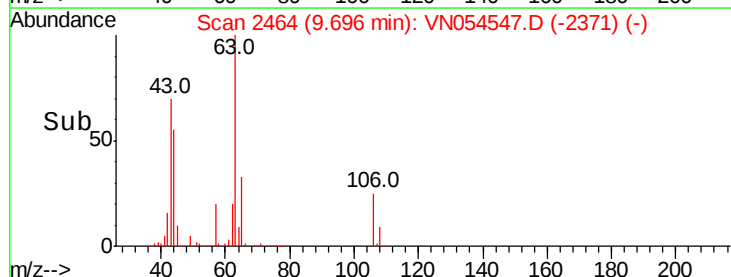
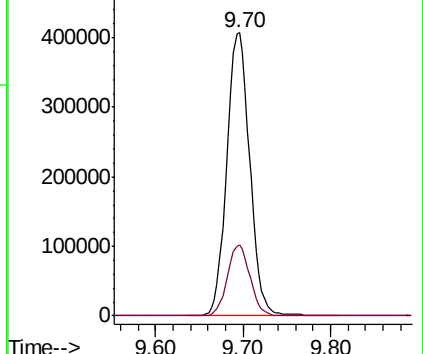
63 100

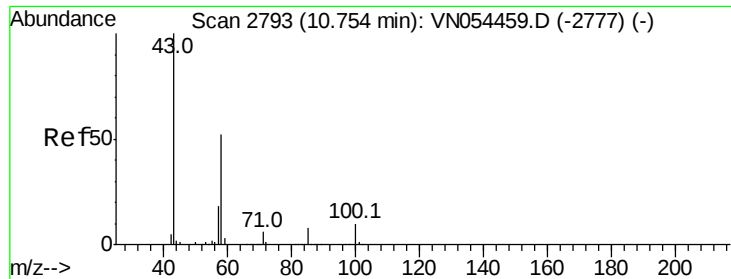
106 24.8 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





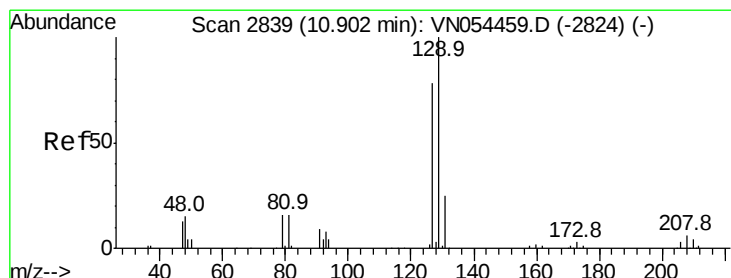
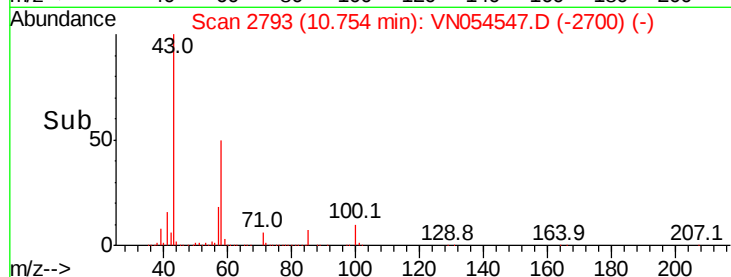
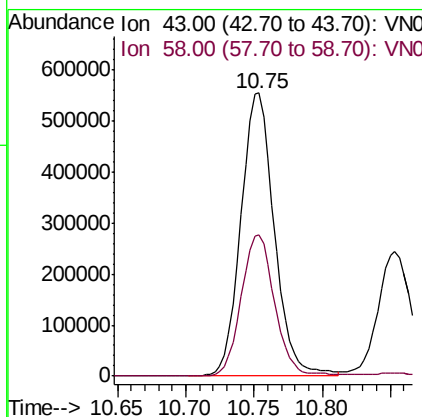
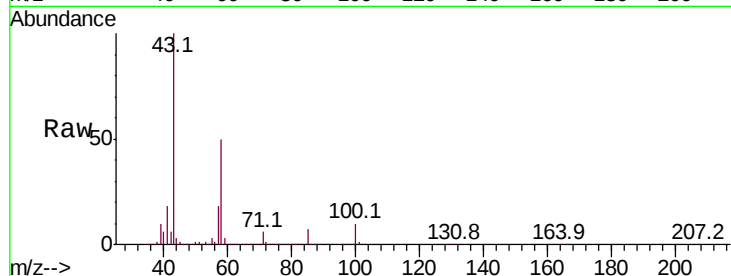
#59
2-Hexanone
Concen: 296.186 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 942120
Ion Ratio Lower Upper
43 100
58 50.4 28.0 83.9

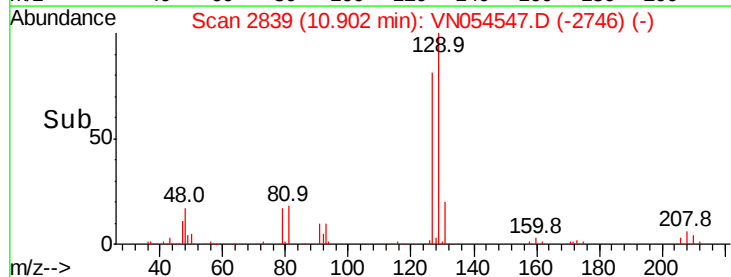
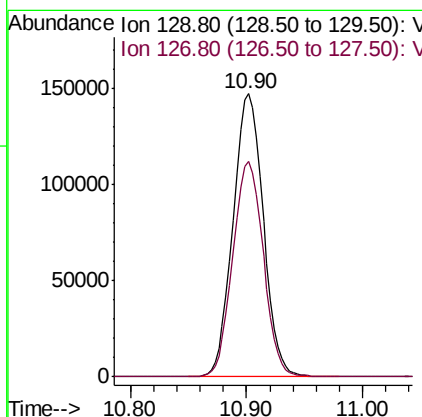
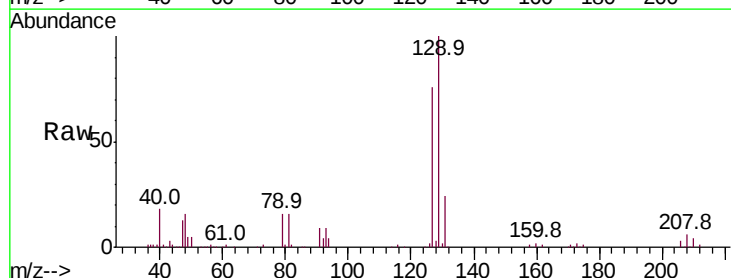
Manual Integrations
APPROVED

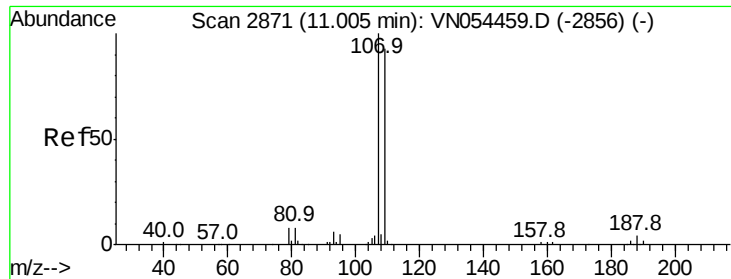
MMDadoda
3/25/2019 3:10:56 PM



#60
Dibromochloromethane
Concen: 53.973 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 129 Resp: 265611
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





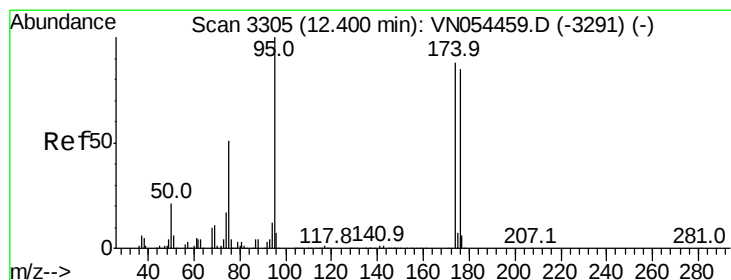
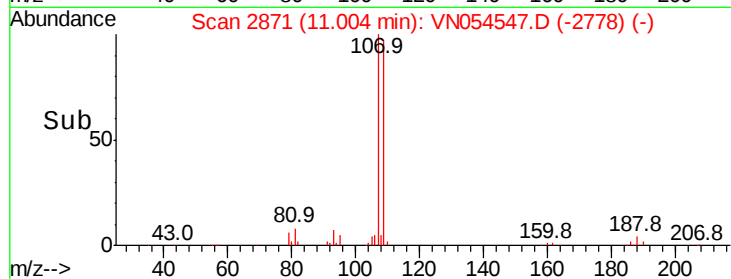
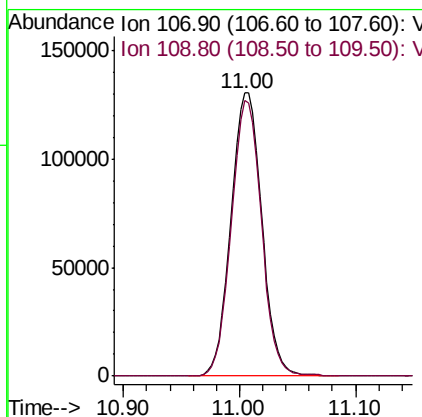
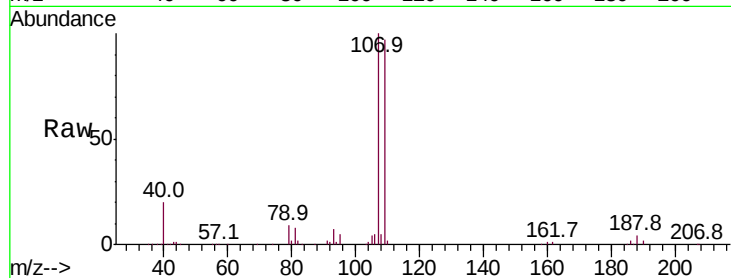
#61
 1,2-Dibromoethane
 Concen: 52.451 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.9	113.9

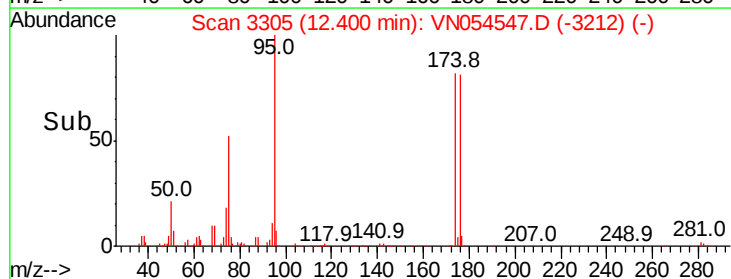
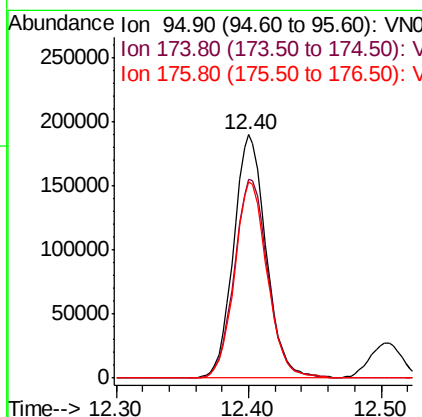
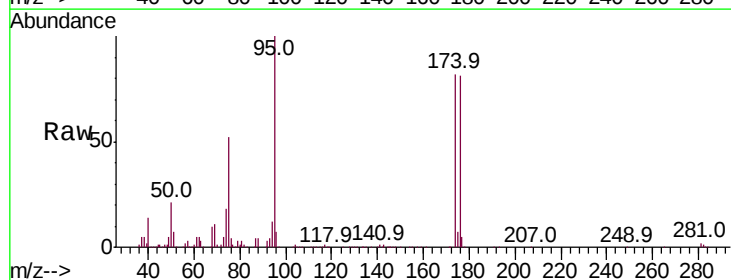
Manual Integrations
 APPROVED

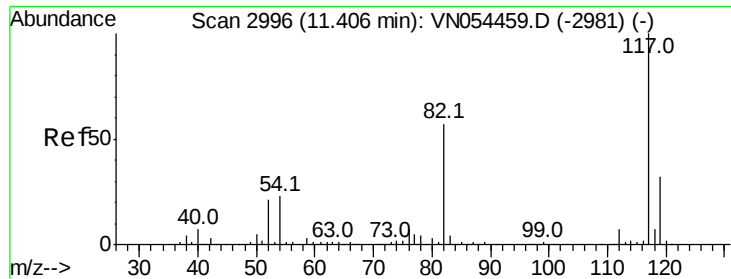
MMDadoda
 3/25/2019 3:10:56 PM



#62
 4-Bromofluorobenzene
 Concen: 50.100 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.4	0.0	191.0
176	81.3	0.0	187.4





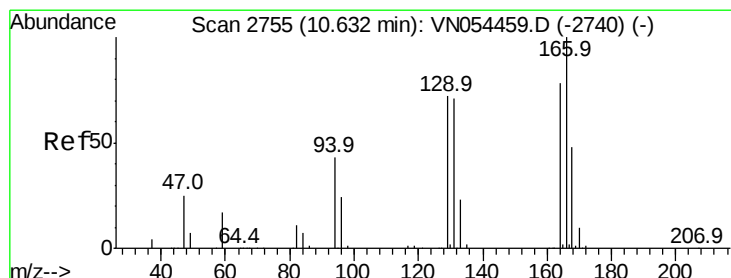
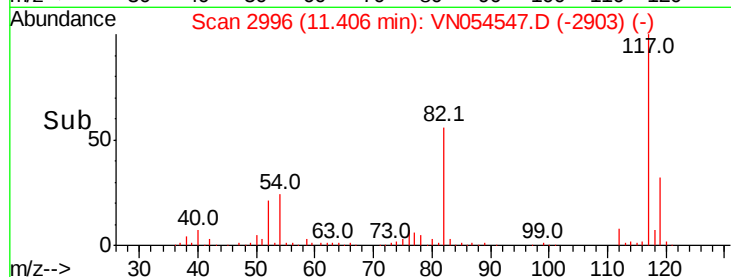
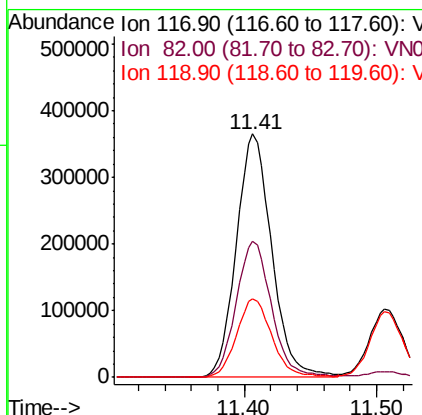
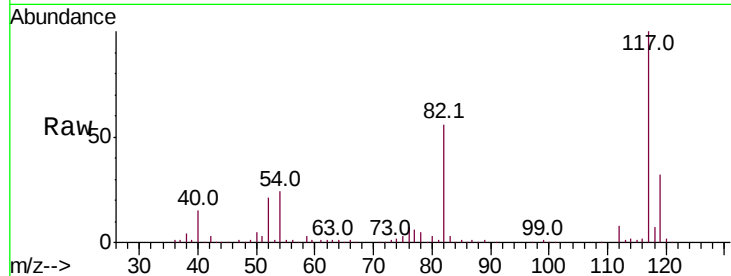
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	678157		
82	56.0		40.0	60.0
119	32.5		25.8	38.6

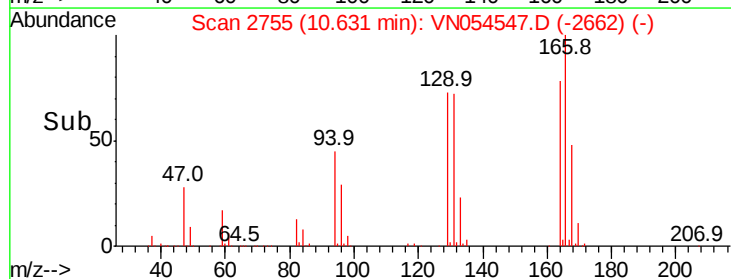
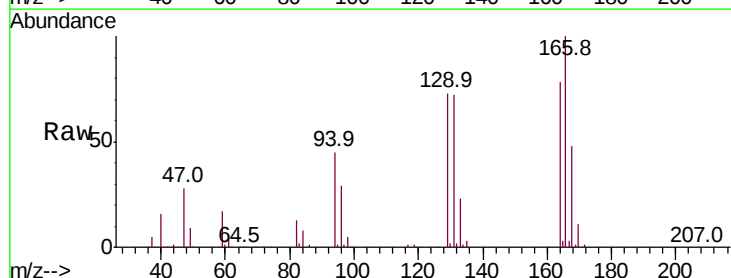
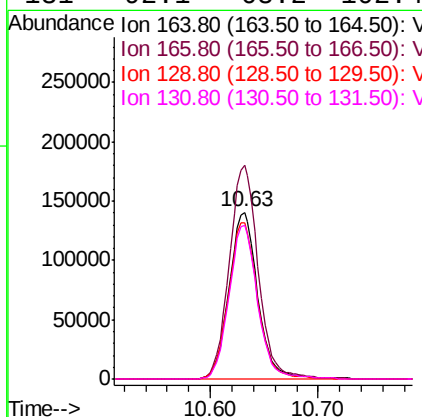
Manual Integrations
APPROVED

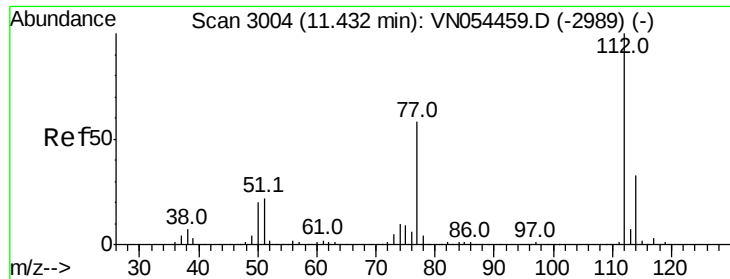
MMDadoda
3/25/2019 3:10:56 PM



#64
Tetrachloroethene
Concen: 46.437 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	261211		
166	128.2		103.9	155.9
129	93.5		71.1	106.7
131	92.1		68.2	102.4





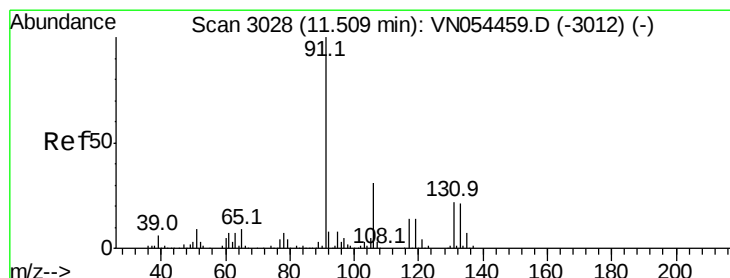
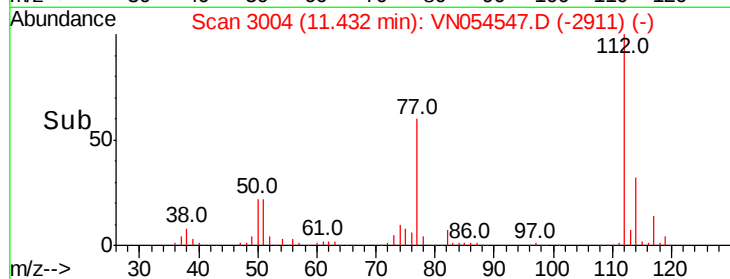
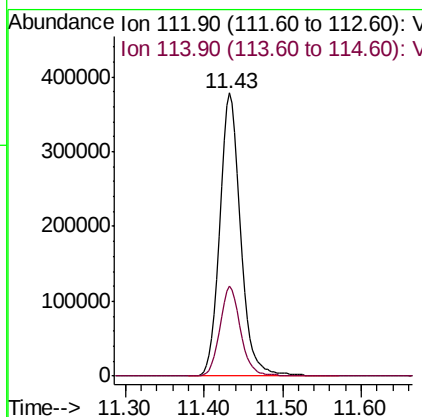
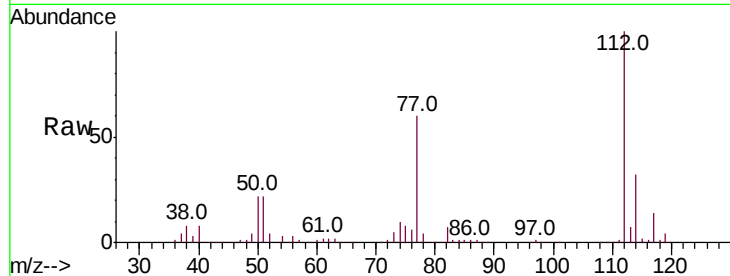
#65
Chlorobenzene
Concen: 49.908 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 688376
Ion Ratio Lower Upper
112 100
114 31.7 25.9 38.9

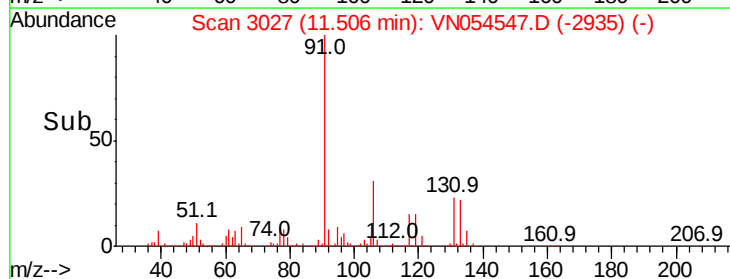
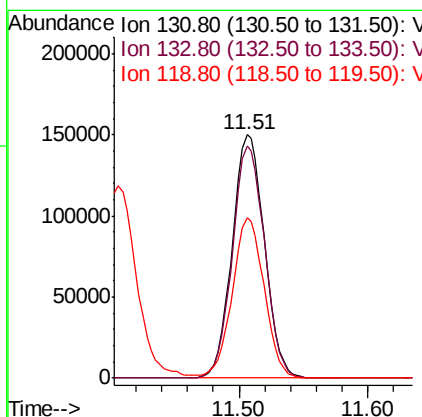
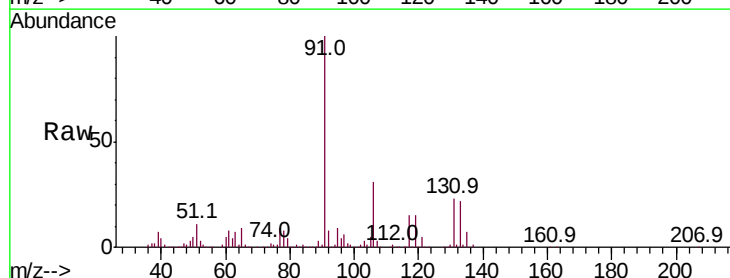
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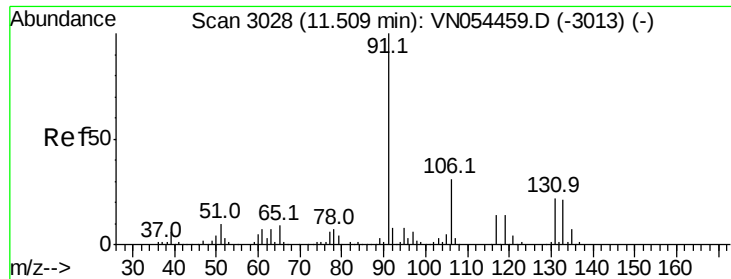
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.546 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:131 Resp: 260141
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.9
119 65.4 32.4 97.0





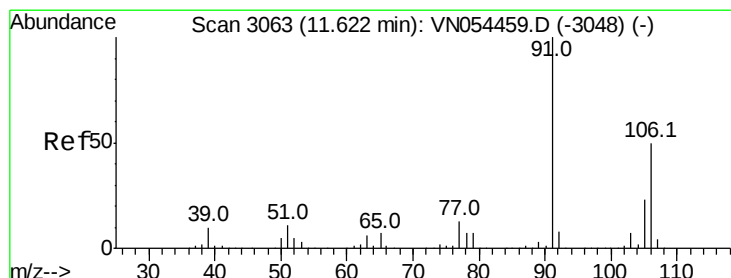
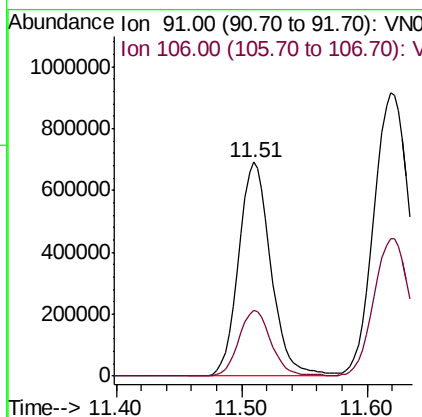
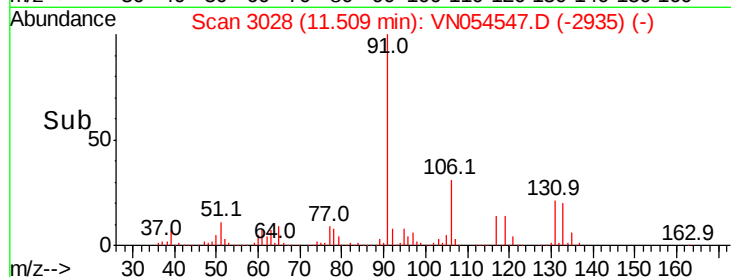
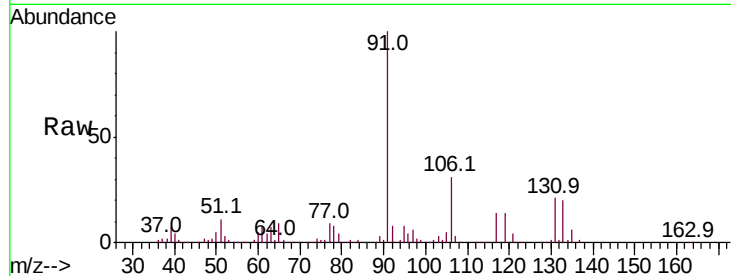
#67
Ethyl Benzene
Concen: 50.970 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1241840
Ion Ratio Lower Upper
91 100
106 30.7 25.5 38.3

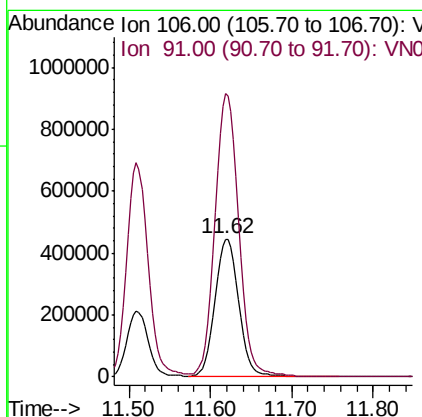
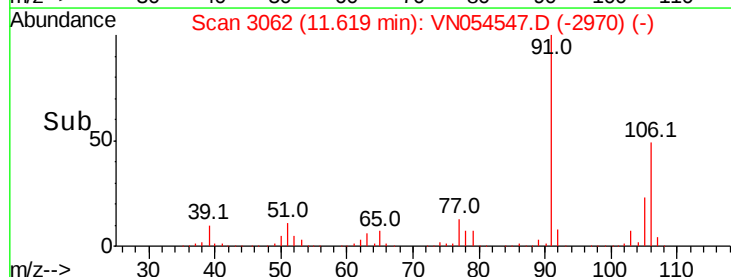
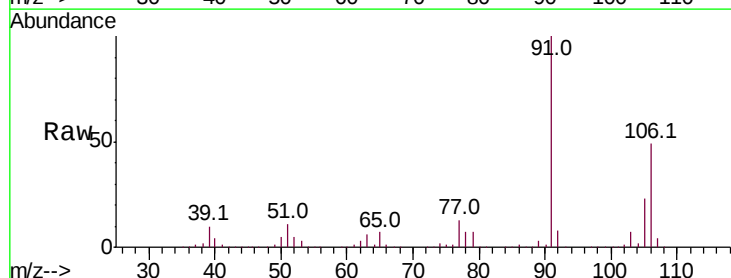
Manual Integrations
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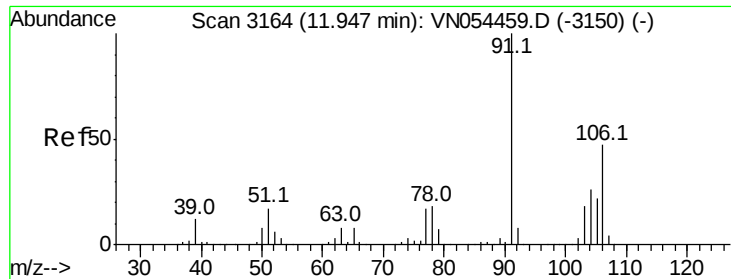
MMDadoda
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#68
m/p-Xylenes
Concen: 100.412 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 106 Resp: 926661
Ion Ratio Lower Upper
106 100
91 205.2 159.4 239.2





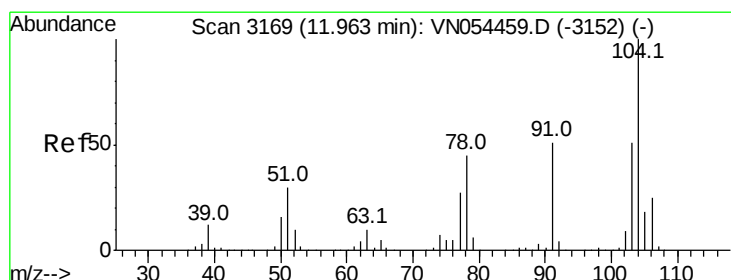
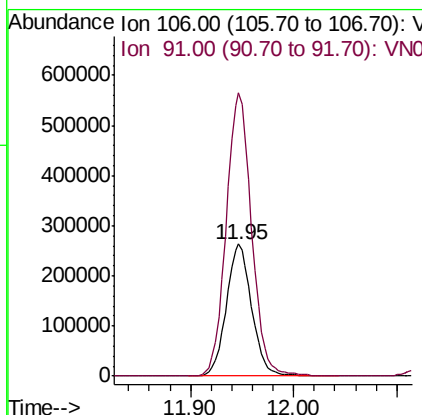
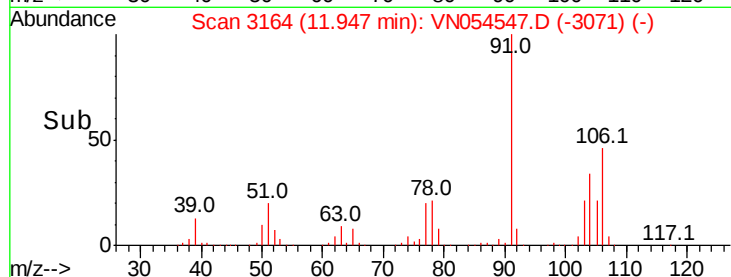
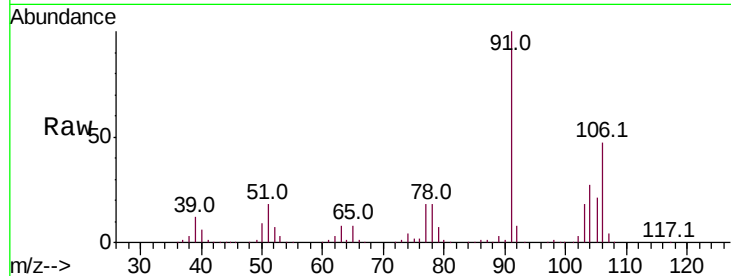
#69
o-Xylene
Concen: 49.912 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 449838
Ion Ratio Lower Upper
106 100
91 215.7 105.7 317.1

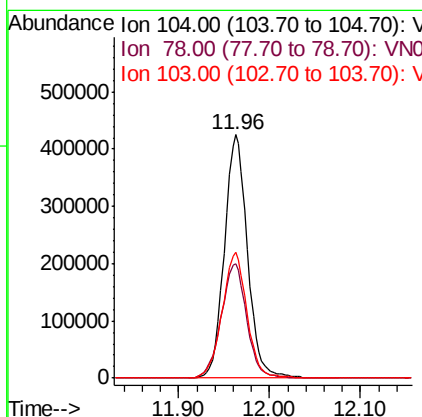
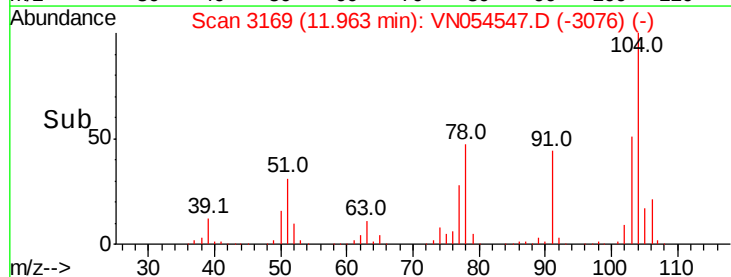
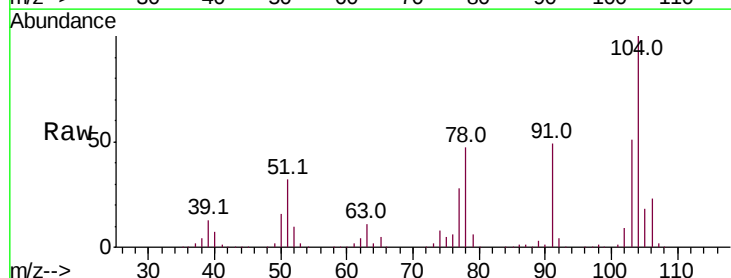
Manual Integrations
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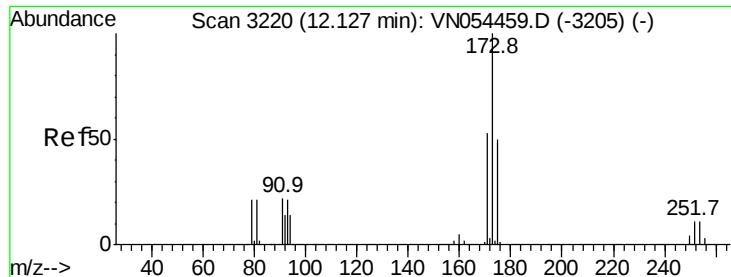
MMDadoda
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#70
Styrene
Concen: 51.112 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion:104 Resp: 748064
Ion Ratio Lower Upper
104 100
78 51.8 38.2 57.2
103 55.6 44.4 66.6





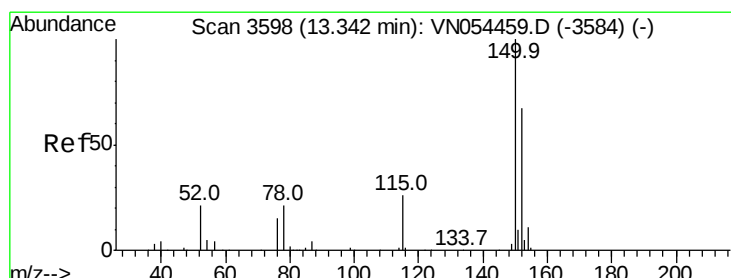
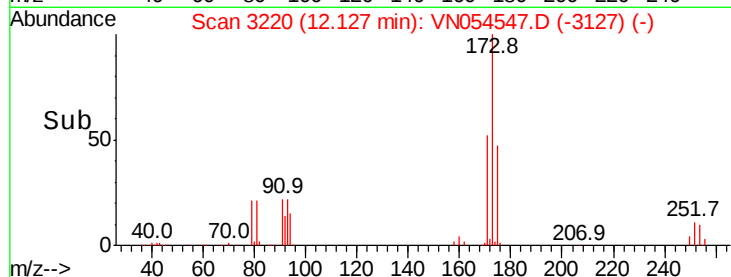
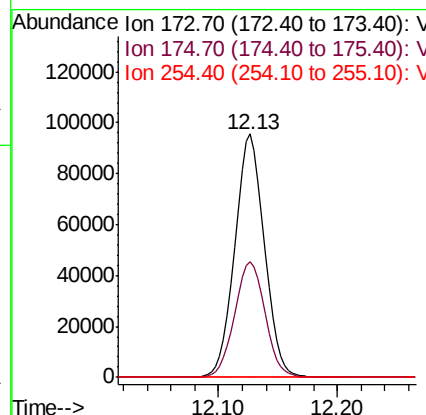
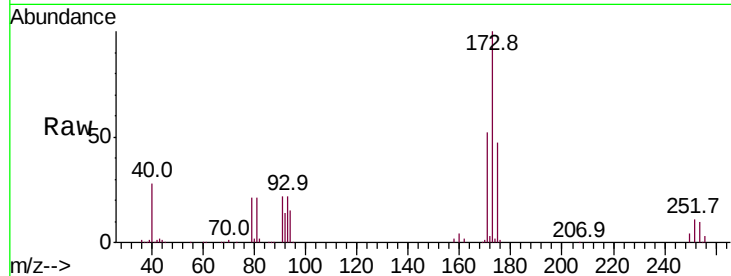
#71
Bromoform
Concen: 48.257 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.1	0.1	0.1

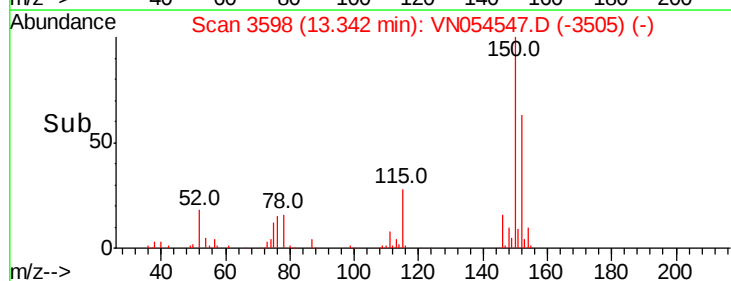
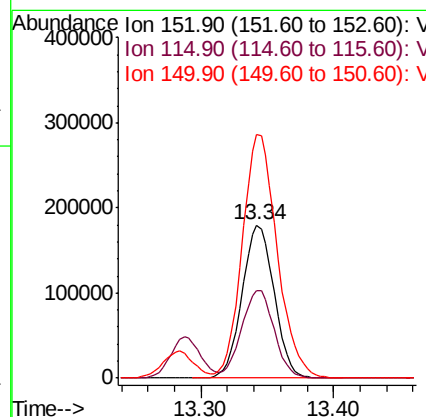
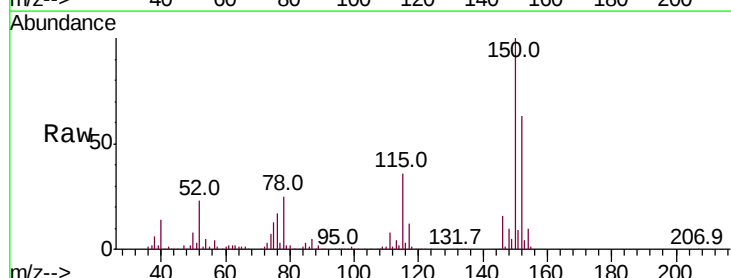
Manual Integrations
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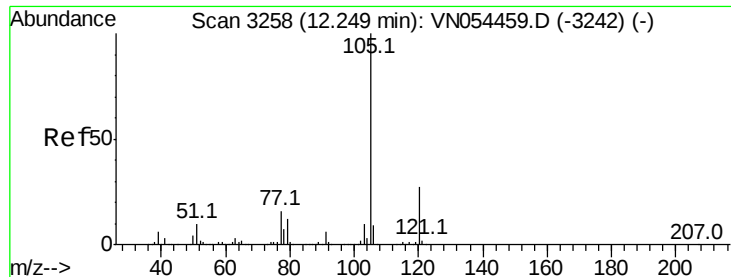
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	27.2	81.6
150	174.1	0.0	349.2





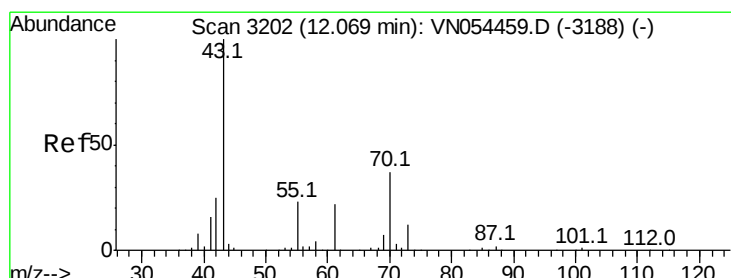
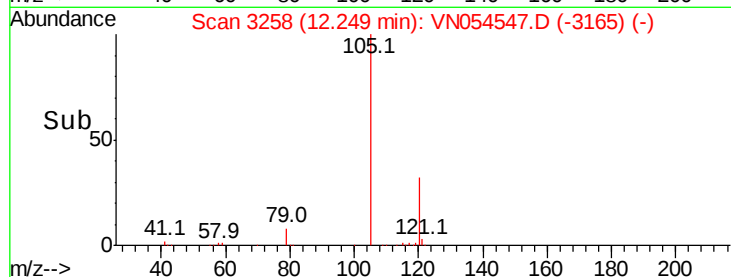
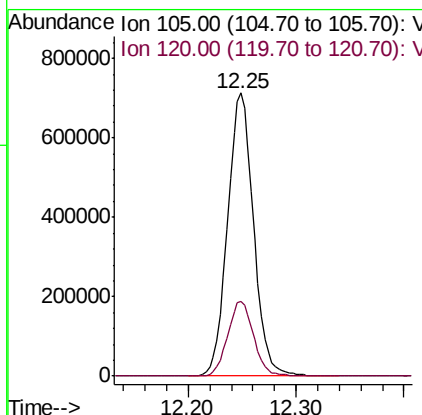
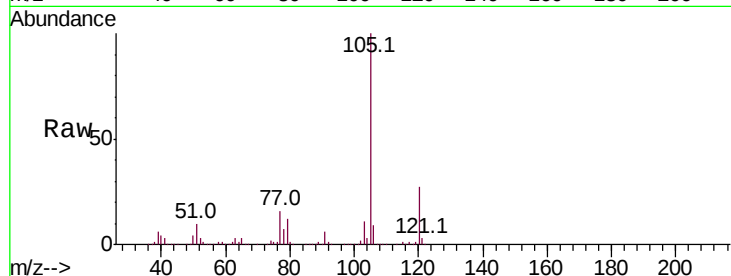
#73
Isopropylbenzene
Concen: 49.160 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1192715
Ion Ratio Lower Upper
105 100
120 26.7 13.8 41.3

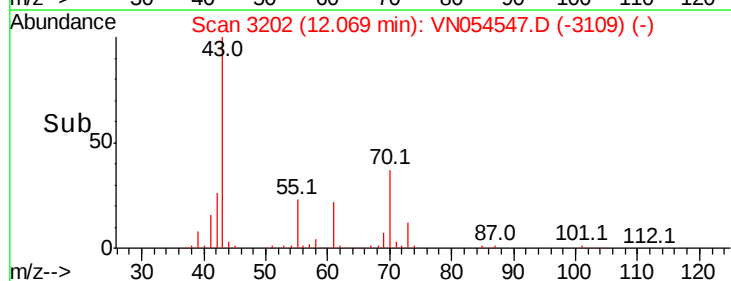
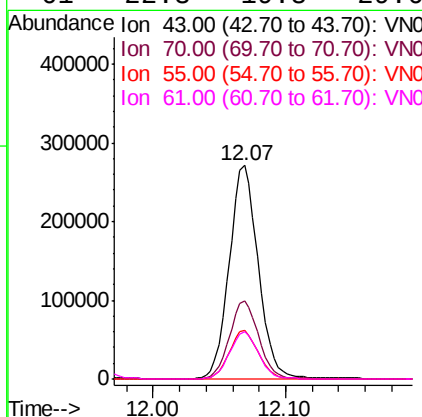
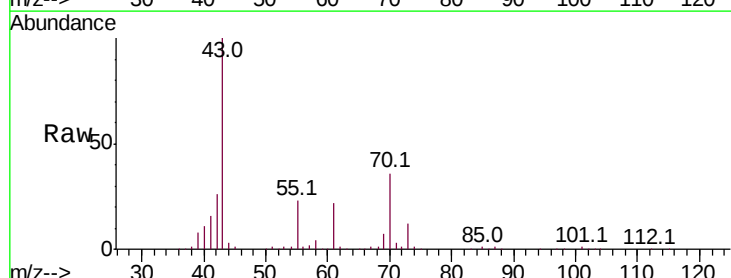
Manual Integrations
APPROVED

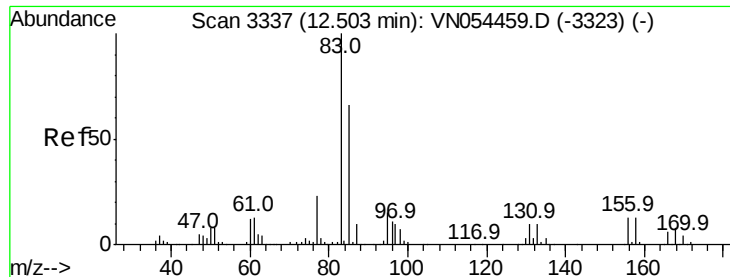
MMDadoda
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#74
N-ethyl acetate
Concen: 58.767 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion: 43 Resp: 409969
Ion Ratio Lower Upper
43 100
70 37.1 35.4 53.0
55 23.2 19.8 29.6
61 22.3 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.438 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

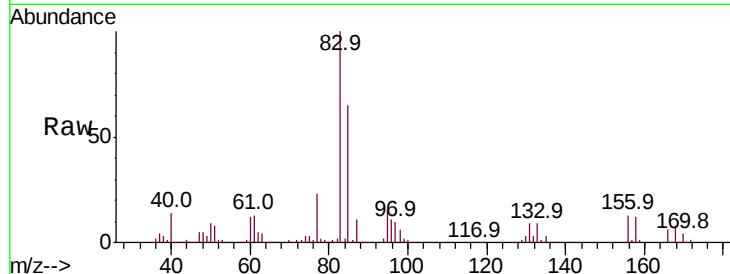
ClientSampleId :

VSTDCCC050

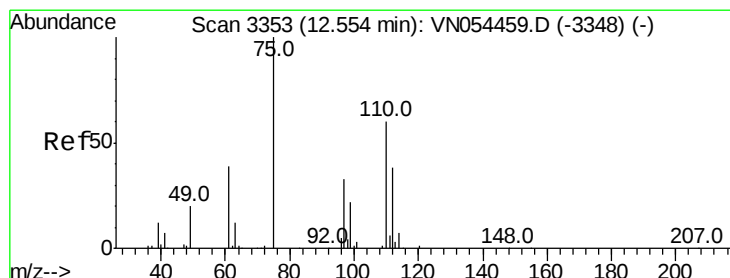
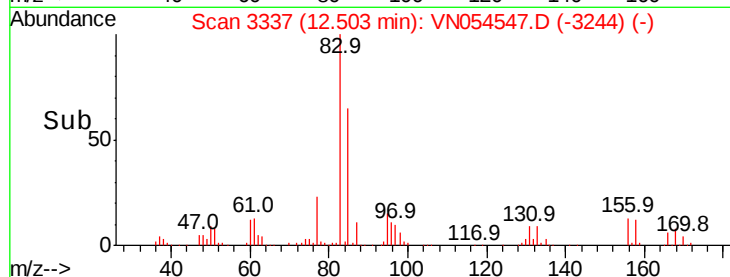
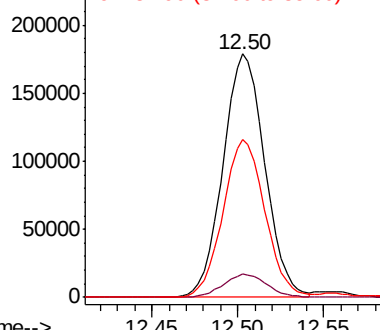
Tot Ion:	83	Resp:	301500
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.4
85	65.0	32.2	96.6

Manual Integrations
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3/25/2019 3:10:56 PM



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 48.918 ug/l m

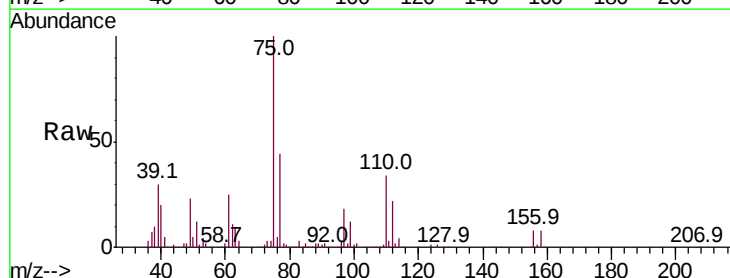
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

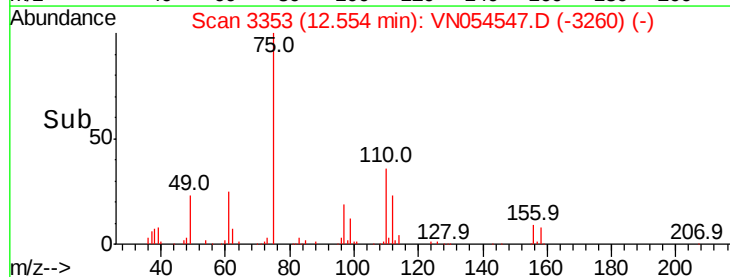
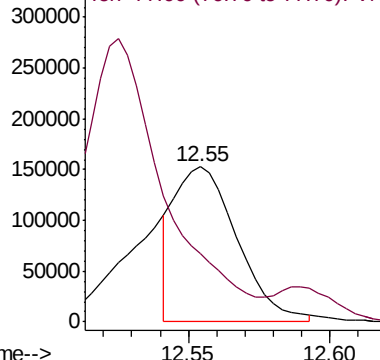
Lab File: VN054547.D

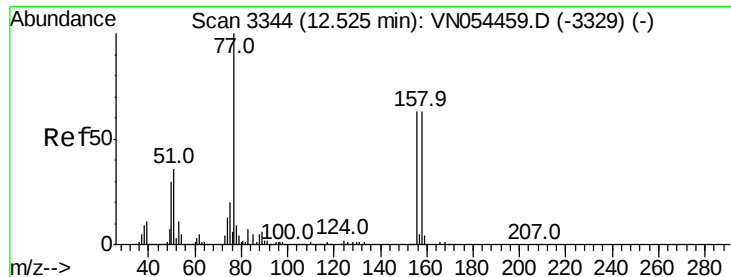
Acq: 22 Mar 2019 10:10

Tgt Ion:	75	Resp:	233714
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)





#77

Bromobenzene

Concen: 48.369 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

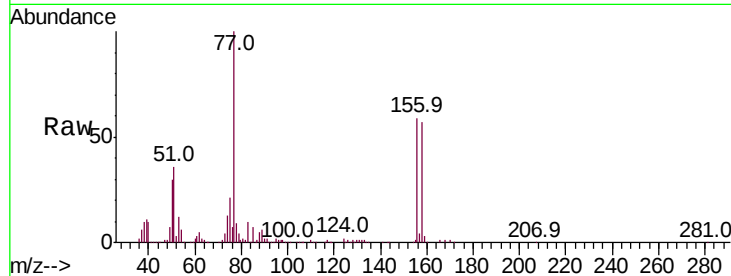
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	195.8	81.5	244.4
158	97.6	49.0	147.2

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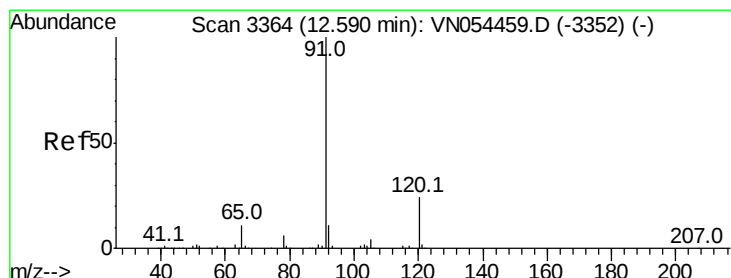
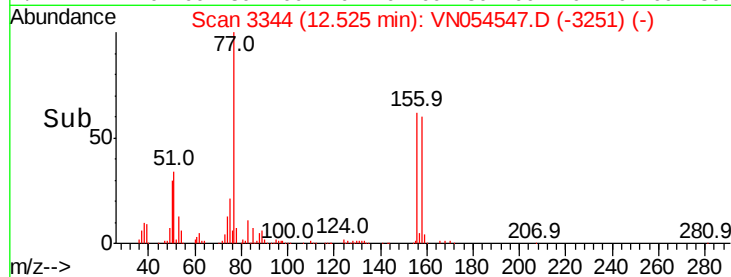
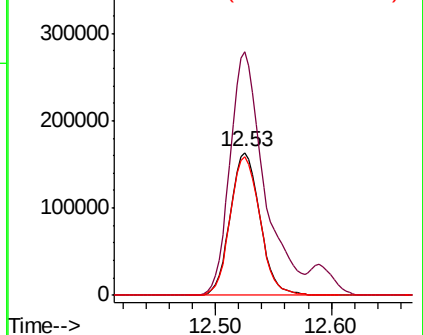


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.326 ug/l

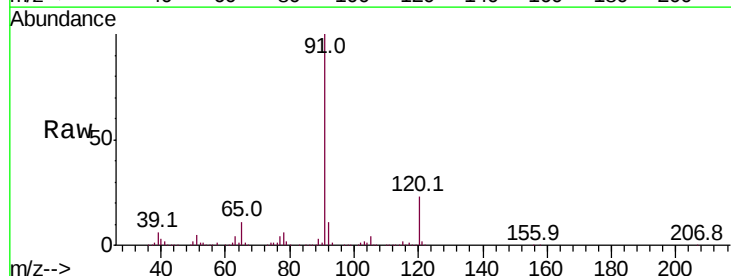
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

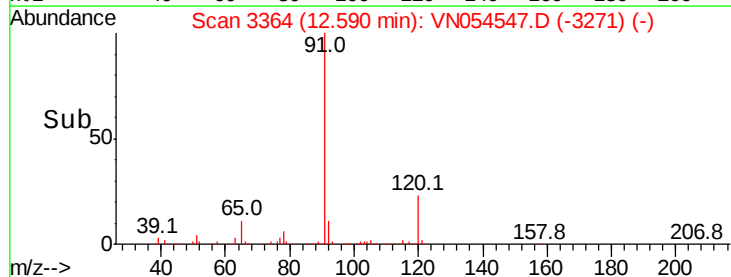
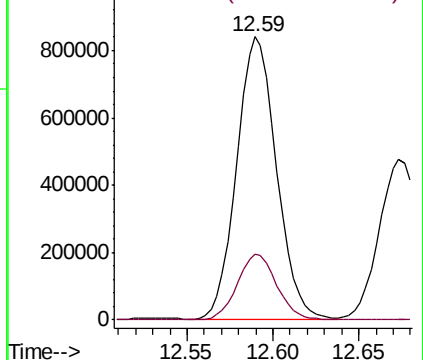
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	12.3	36.9

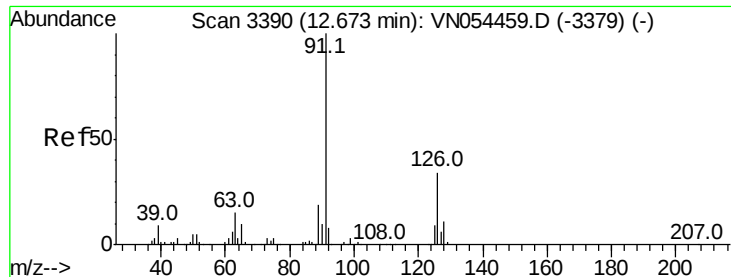


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.877 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 801864

Ion Ratio Lower Upper

91 100

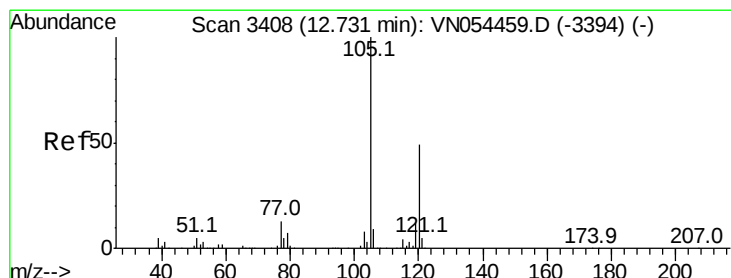
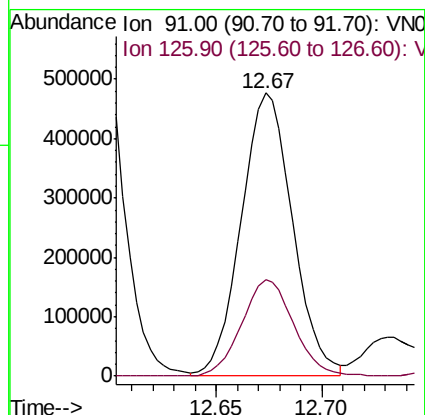
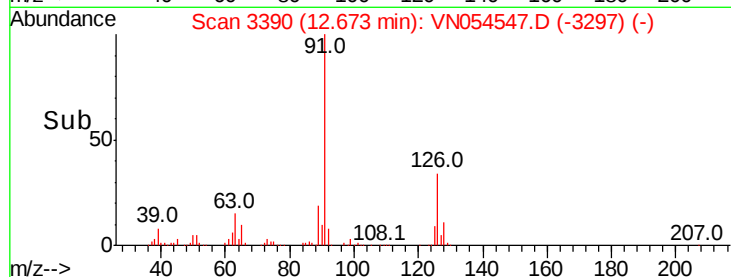
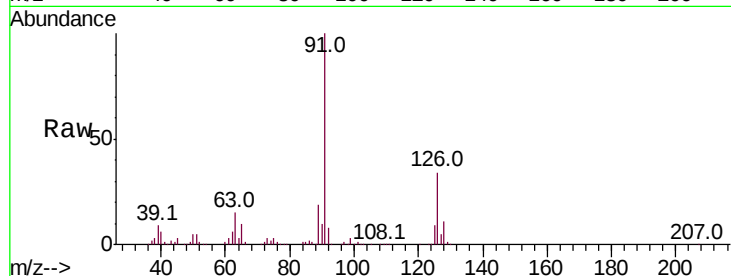
126 34.8 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.006 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054547.D

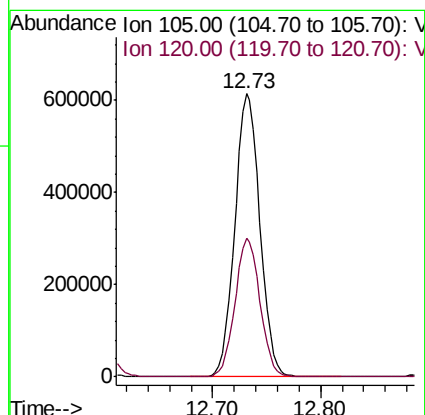
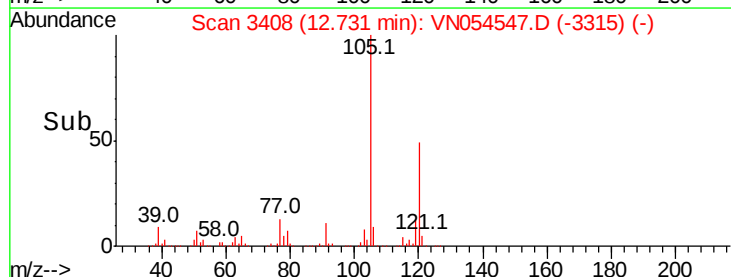
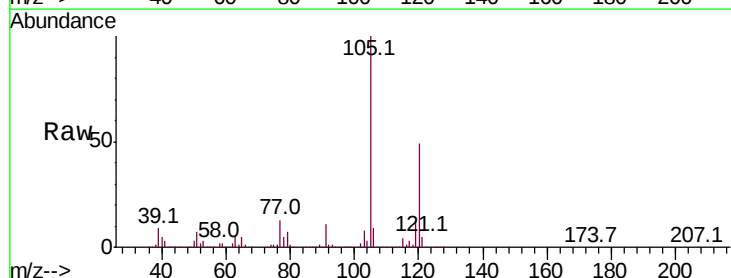
Acq: 22 Mar 2019 10:10

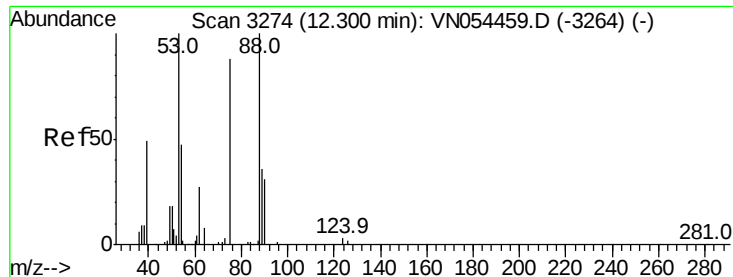
Tgt Ion: 105 Resp: 994358

Ion Ratio Lower Upper

105 100

120 49.0 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.606 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 71672

Ion Ratio Lower Upper

75 100

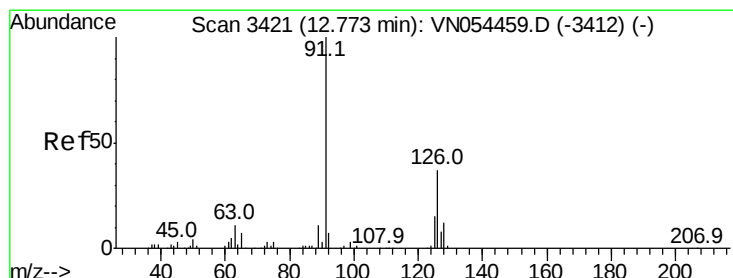
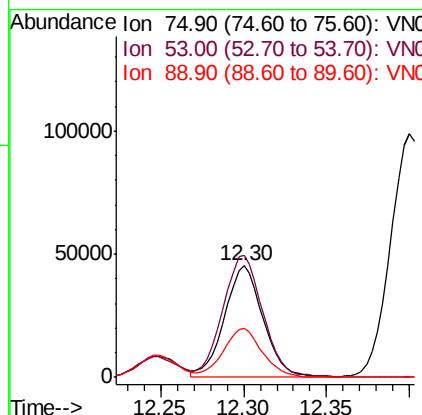
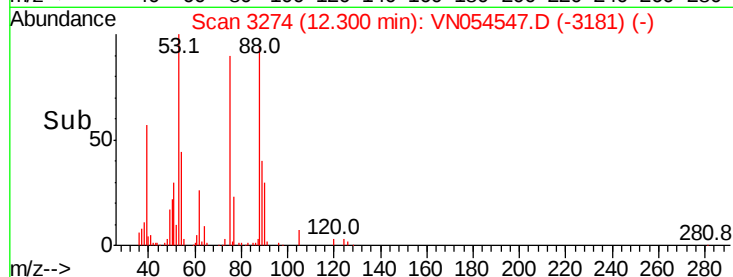
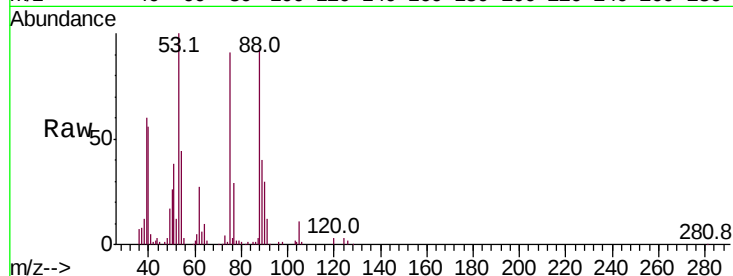
53 116.9 76.2 114.2#

89 45.7 39.2 58.8

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#82

4-Chlorotoluene

Concen: 50.470 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054547.D

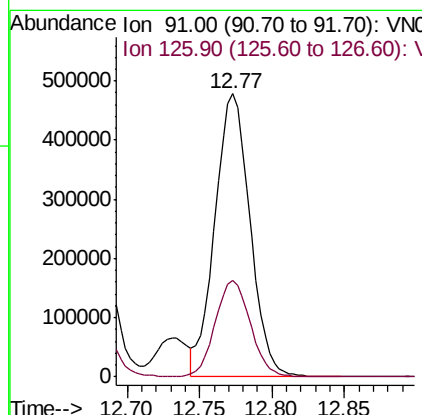
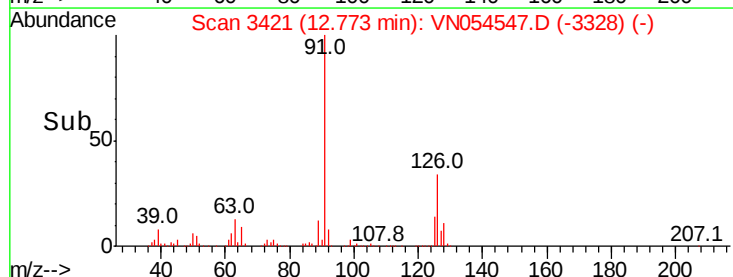
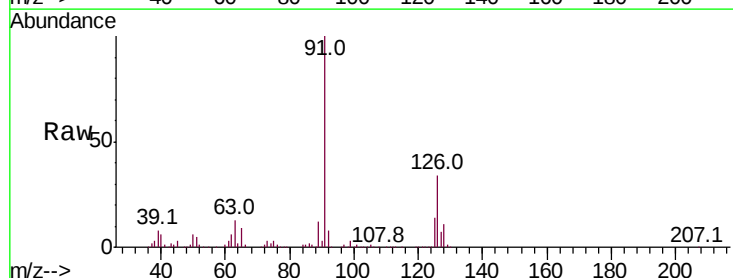
Acq: 22 Mar 2019 10:10

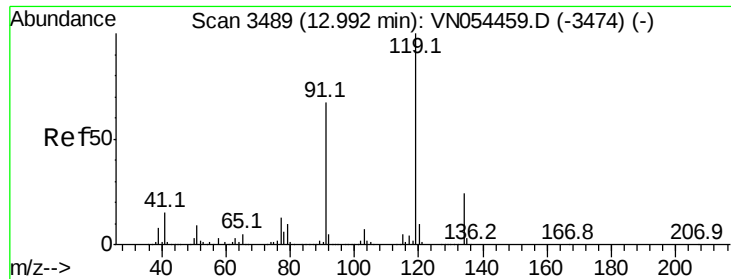
Tgt Ion: 91 Resp: 802598

Ion Ratio Lower Upper

91 100

126 34.1 18.1 54.1





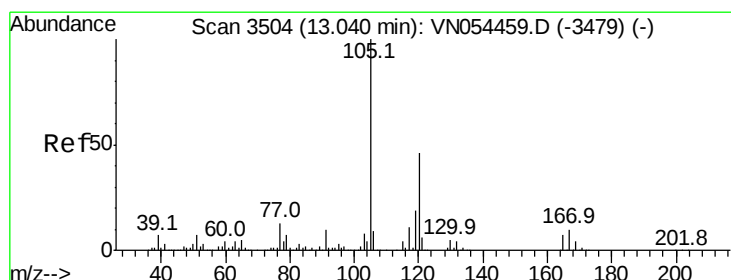
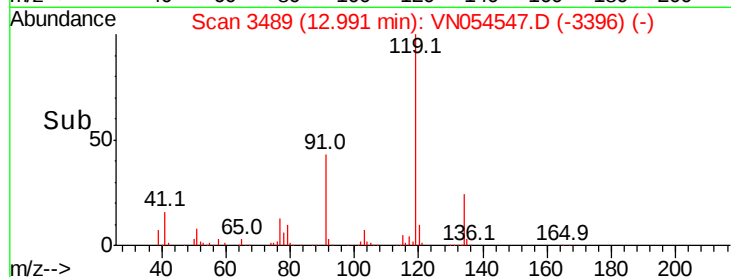
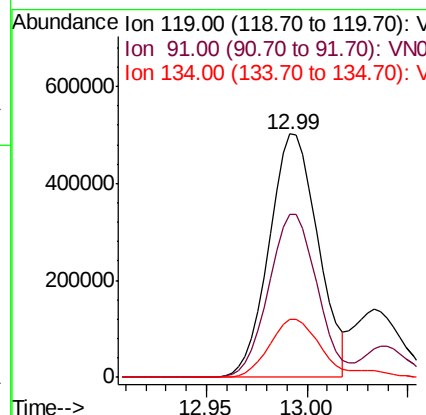
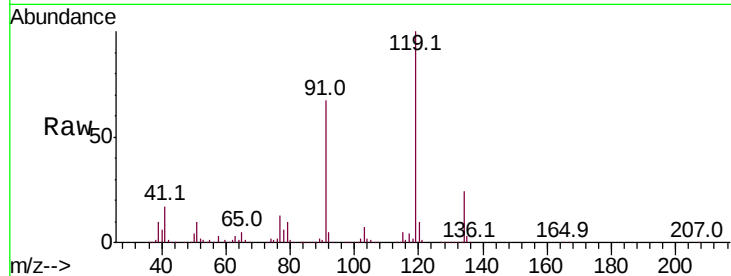
#83
 tert-Butylbenzene
 Concen: 48.870 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	30.9	92.8
134	24.6	13.2	39.6

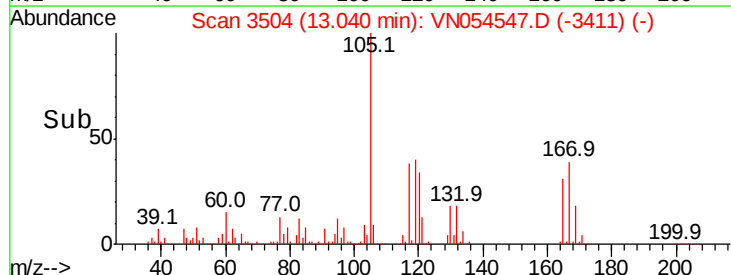
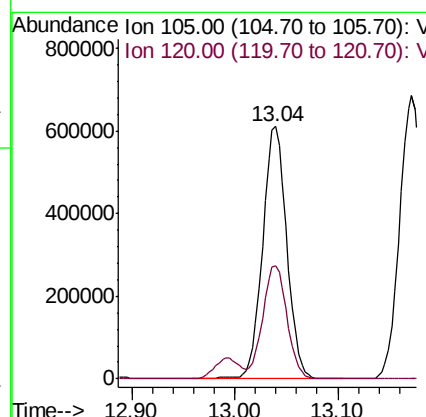
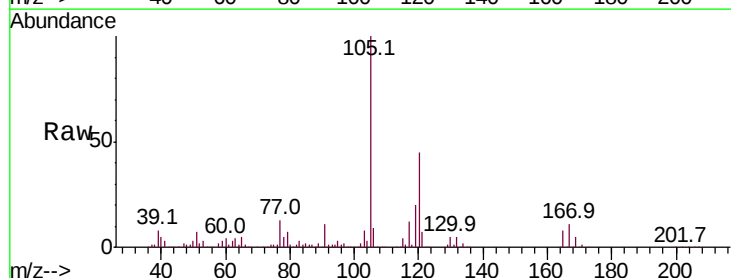
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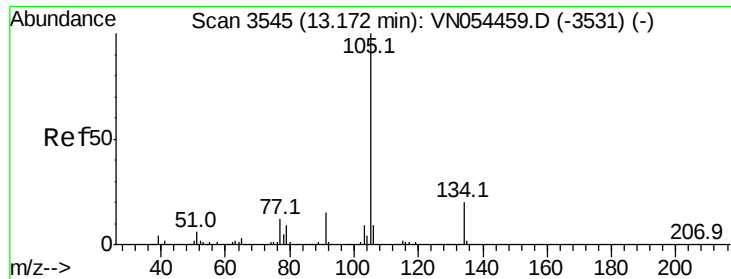
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.592 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.4	70.3





#85

sec-Butylbenzene

Concen: 51.186 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1104416

Ion Ratio Lower Upper

105 100

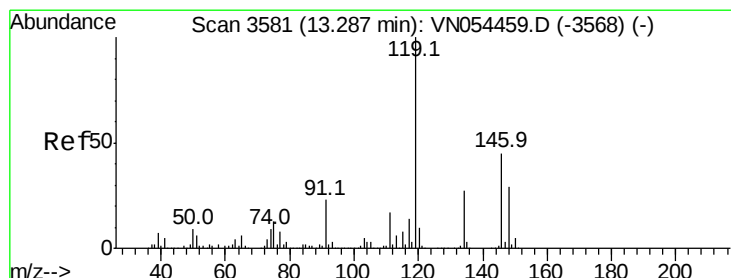
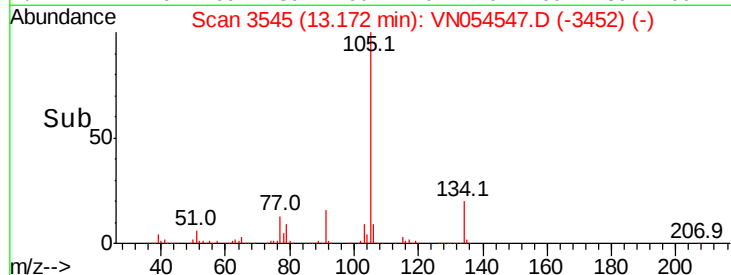
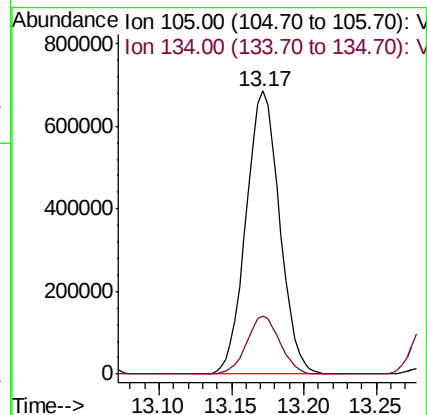
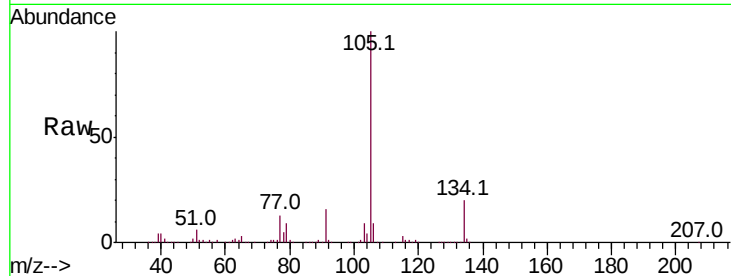
134 20.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 52.229 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

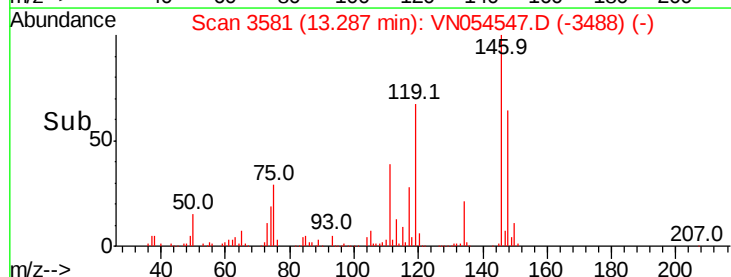
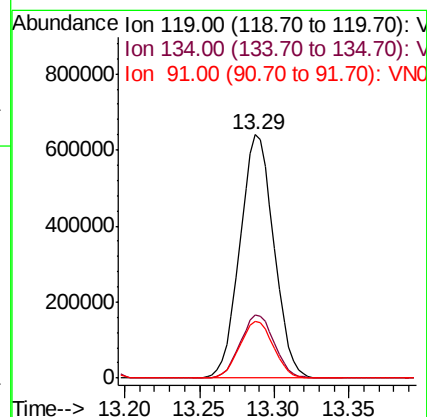
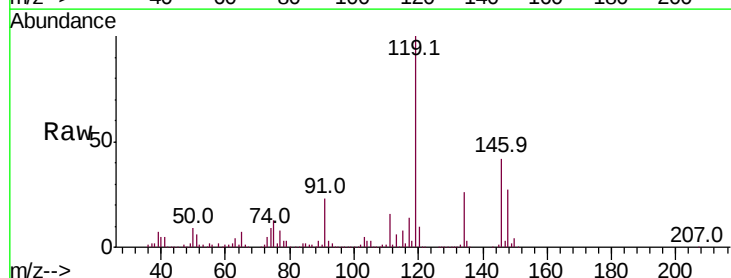
Tgt Ion:119 Resp: 1008214

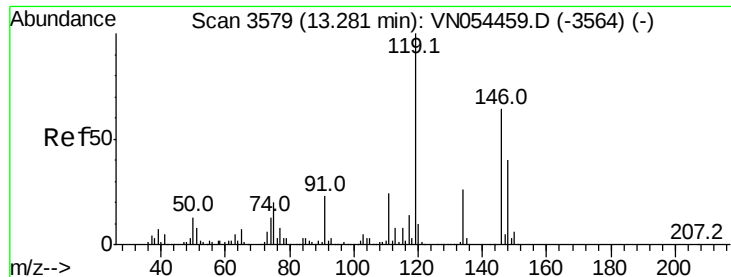
Ion Ratio Lower Upper

119 100

134 26.1 13.6 40.8

91 23.3 11.1 33.3





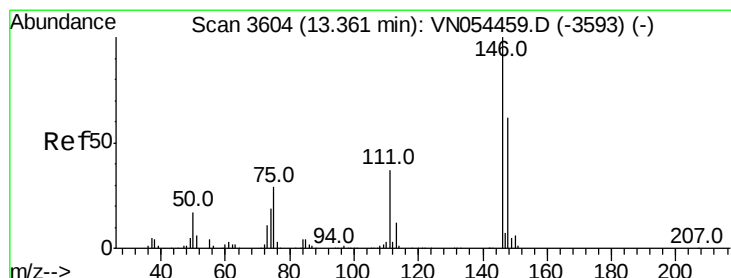
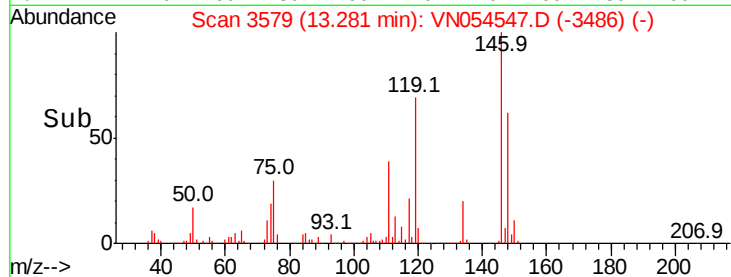
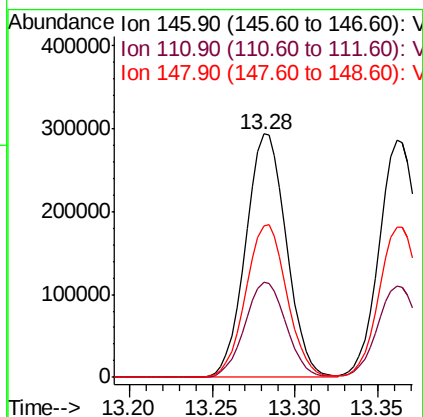
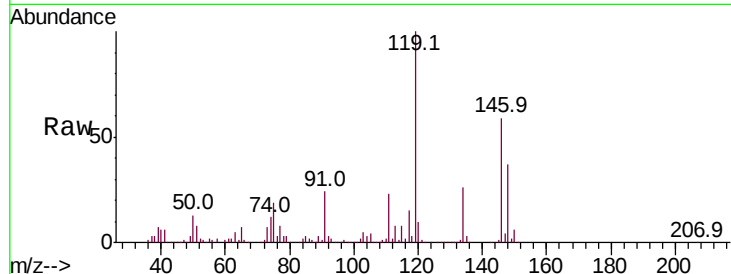
#87
 1,3-Dichlorobenzene
 Concen: 50.340 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	501972		
111	39.5	18.8	56.3	
148	63.3	32.2	96.6	

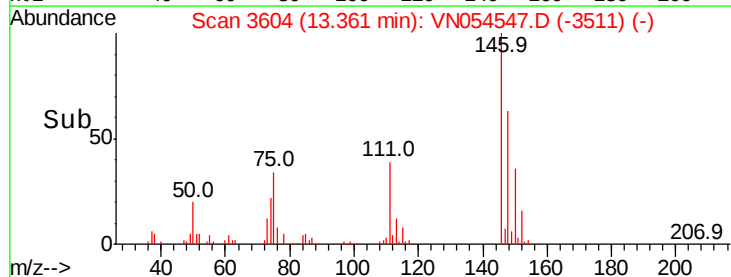
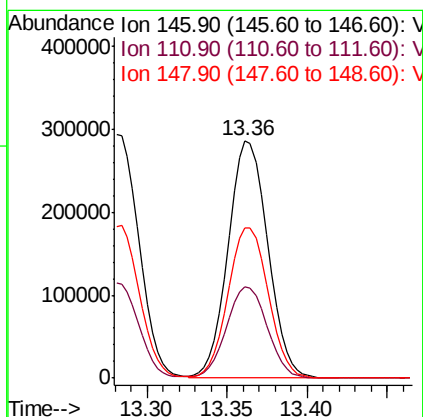
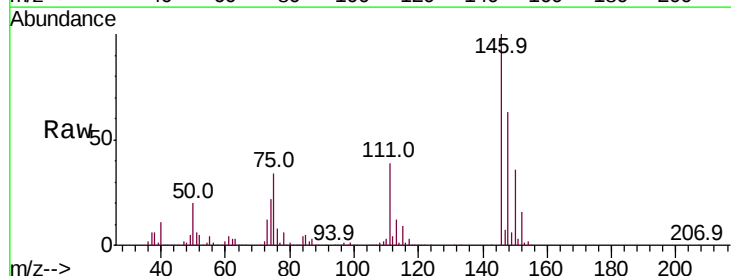
Manual Integrations
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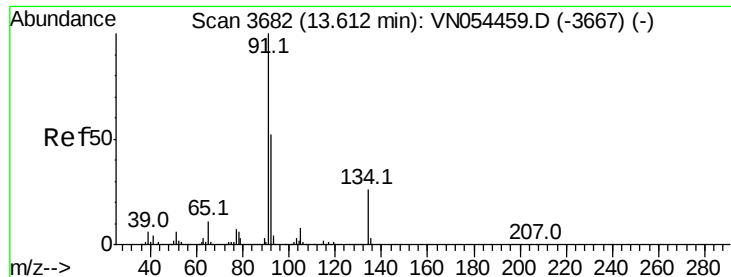
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#88
 1,4-Dichlorobenzene
 Concen: 49.814 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	483290		
111	39.7	18.1	54.1	
148	64.6	32.0	96.0	





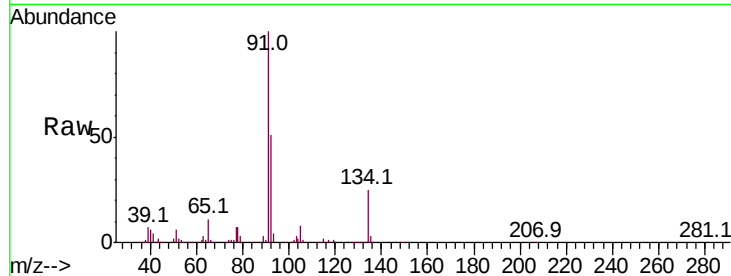
#89
n-Butylbenzene
Concen: 56.275 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

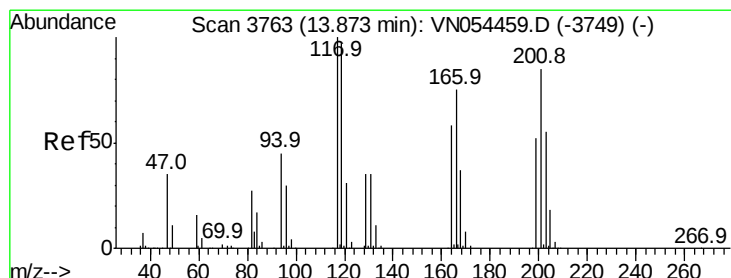
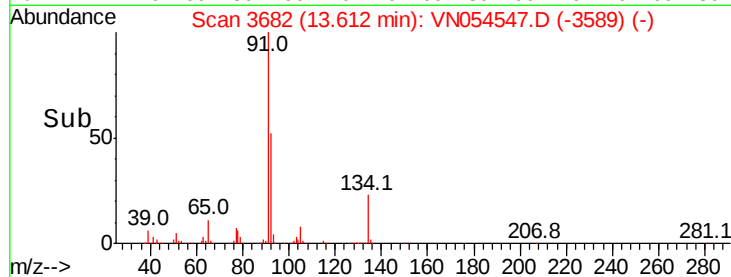
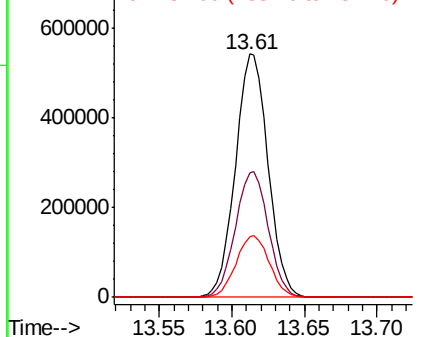
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.2	78.6
134	25.9	14.3	42.9

Manual Integrations
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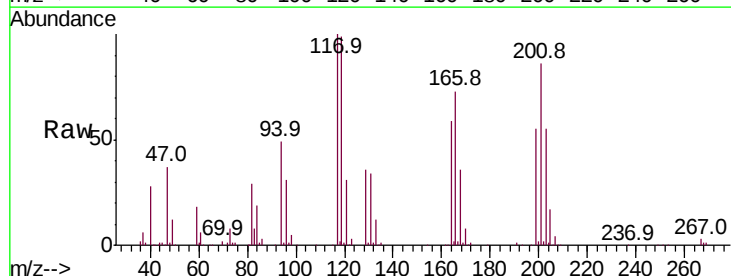


Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)

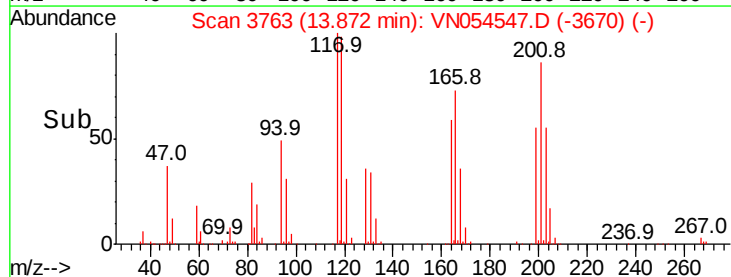
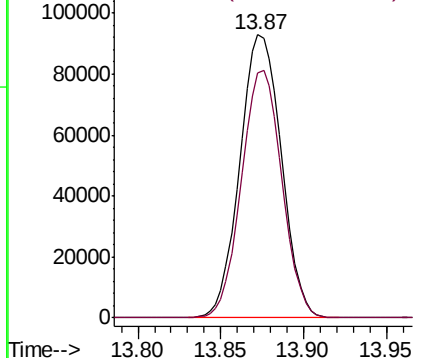


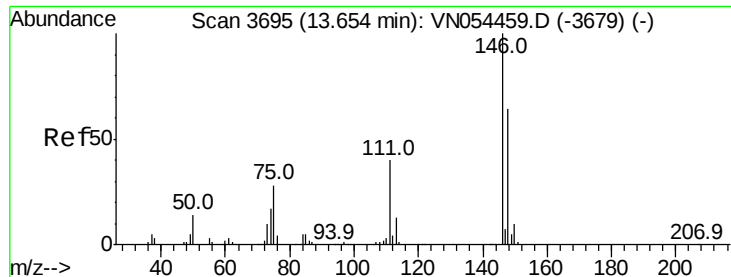
#90
Hexachloroethane
Concen: 54.096 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.3	48.1	144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 49.886 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Instrument :

MSVOA_N

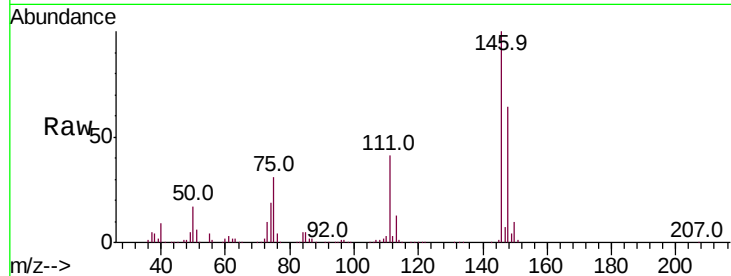
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	481816
Ion Ratio	Lower	Upper	
146	100		
111	41.4	19.1	57.3
148	64.1	32.4	97.0

Manual Integrations
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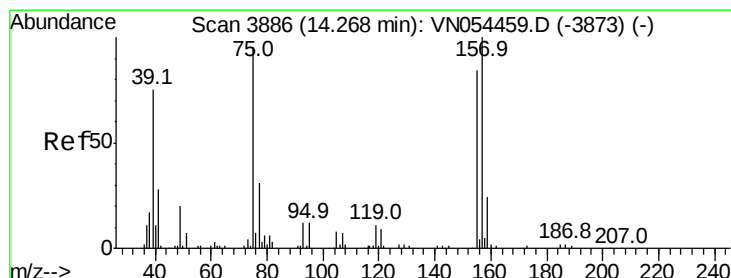
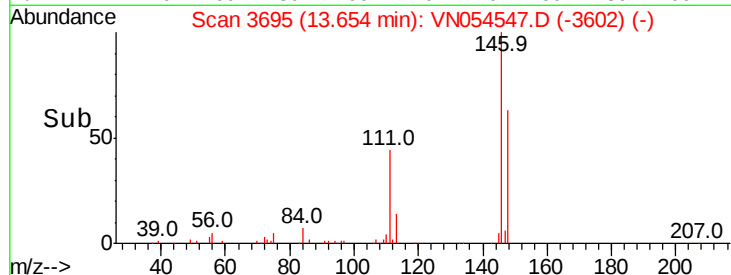
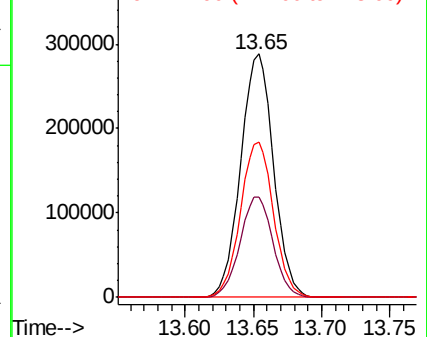


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.694 ug/l

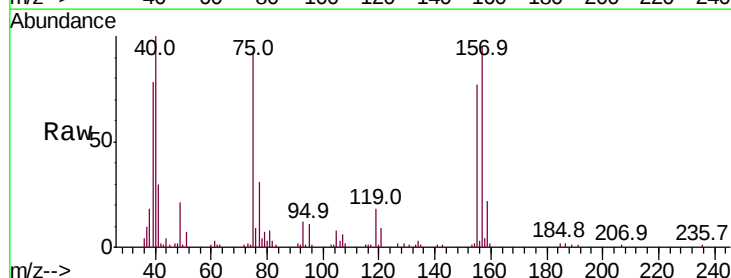
RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054547.D

Acq: 22 Mar 2019 10:10

Tgt Ion:	75	Resp:	46055
Ion Ratio	Lower	Upper	
75	100		
155	83.6	50.1	150.3
157	103.4	63.1	189.3

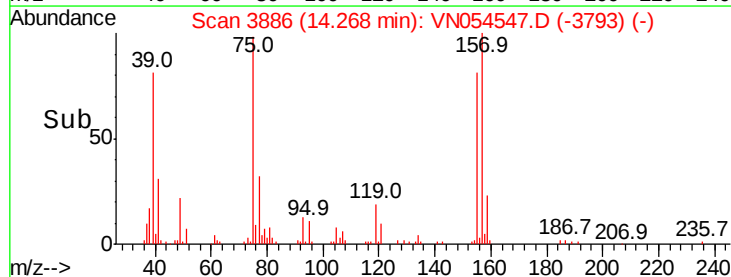
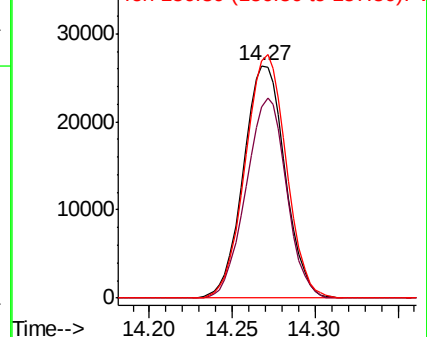


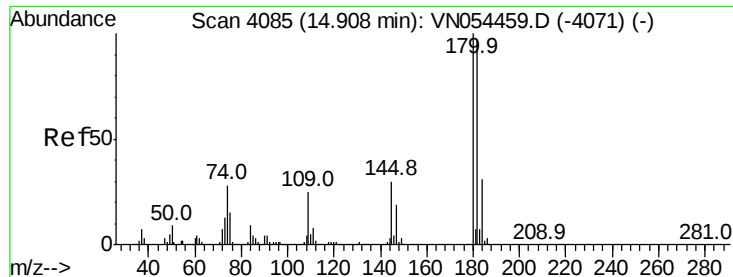
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





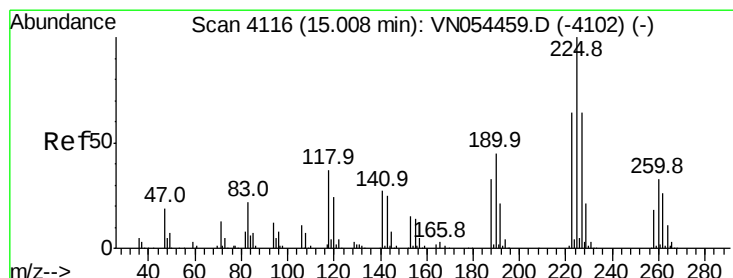
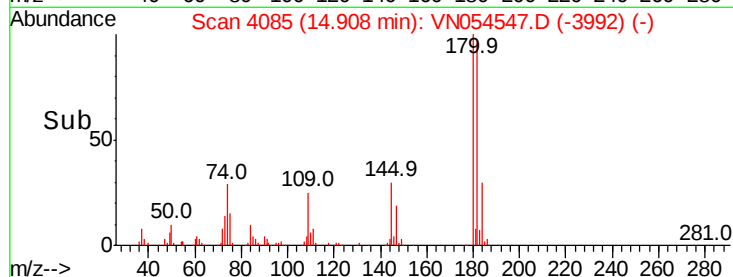
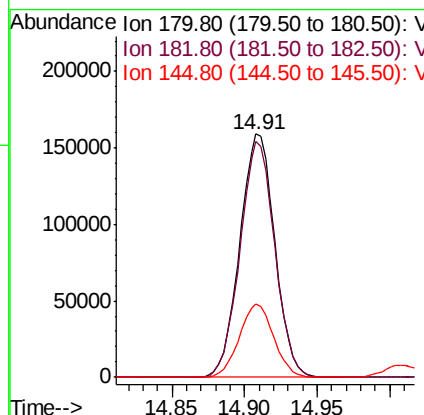
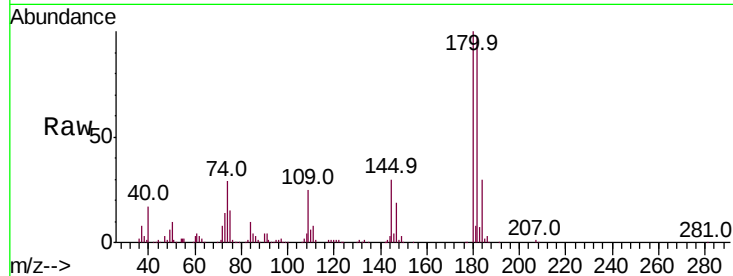
#93
 1,2,4-Trichlorobenzene
 Concen: 55.298 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266248		
182	96.2	48.0	144.2	
145	29.8	14.2	42.8	

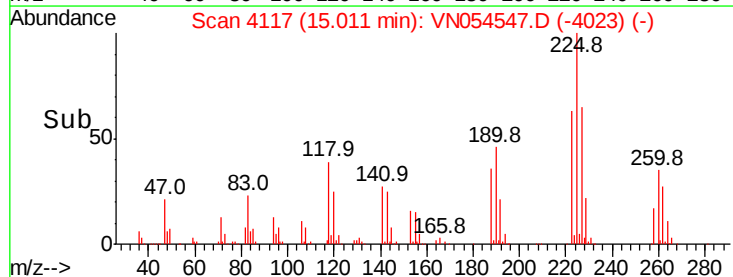
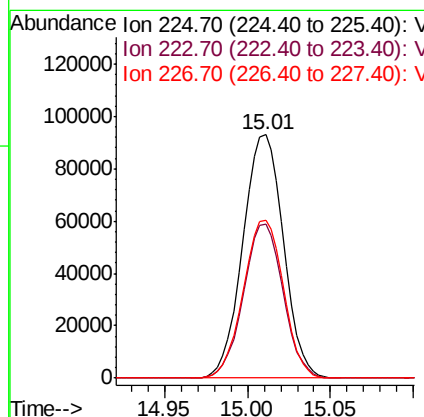
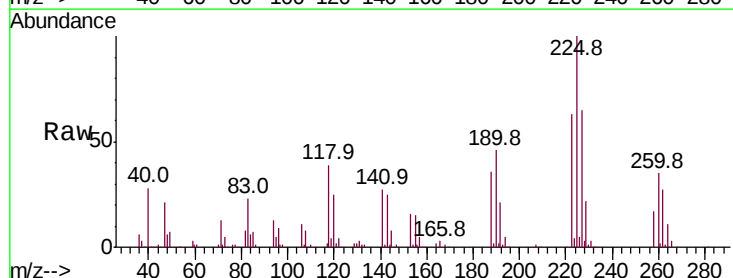
Manual Integrations
 APPROVED

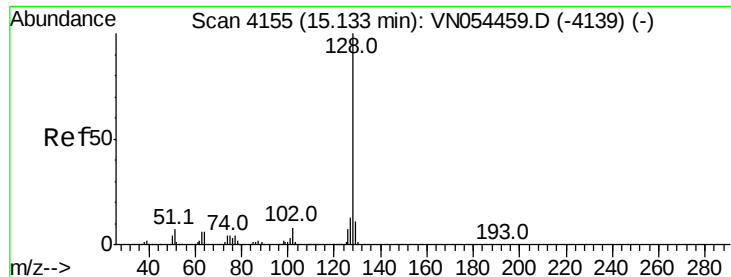
MMDadoda
 3/25/2019 3:10:56 PM



#94
 Hexachlorobutadiene
 Concen: 59.035 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054547.D
 Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	158488		
223	61.9	31.1	93.5	
227	64.2	31.9	95.9	





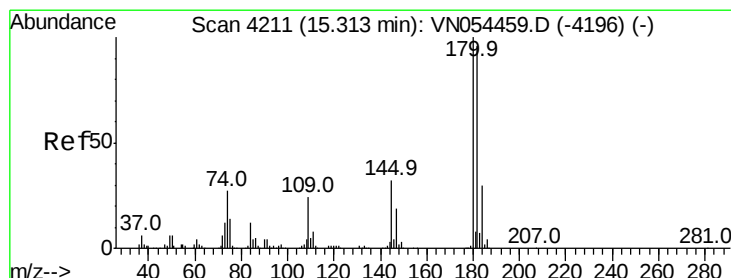
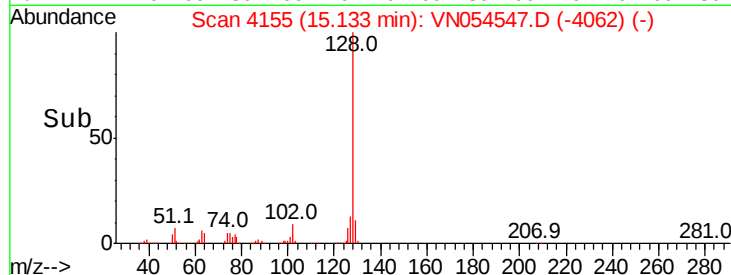
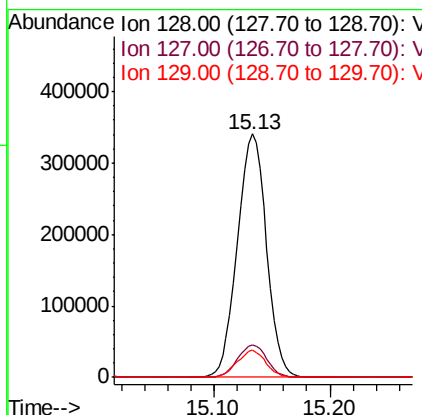
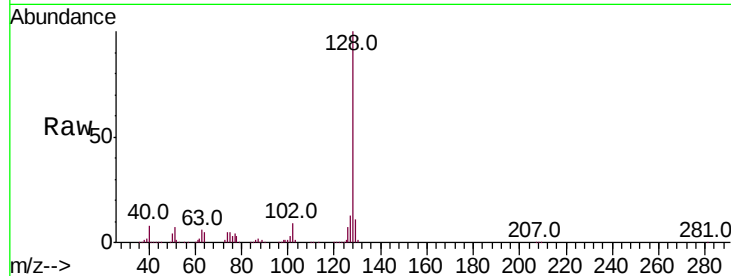
#95
Naphthalene
Concen: 55.163 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/25/2019 3:10:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 54.272 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054547.D
Acq: 22 Mar 2019 10:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.5	142.6
145	30.3	14.8	44.3

