

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055586.D
 Acq On : 14 May 2019 11:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:44 PM

Quant Time: May 15 07:04:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	704824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1227658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1039008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	329880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	46562	4.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.84%	
35) Dibromofluoromethane	7.59	113	37144	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
50) Toluene-d8	10.09	98	134932	4.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.74%	
62) 4-Bromofluorobenzene	12.40	95	41885	4.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	38184	5.306	ug/l	99
3) Chloromethane	2.06	50	58479	5.051	ug/l	99
4) Vinyl Chloride	2.18	62	56606	5.142	ug/l	98
5) Bromomethane	2.54	94	36272	5.960	ug/l	94
6) Chloroethane	2.69	64	35080	5.421	ug/l	100
7) Trichlorofluoromethane	3.01	101	64654	5.348	ug/l	96
8) Diethyl Ether	3.41	74	27306	5.030	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39861	5.180	ug/l	97
10) Methyl Iodide	3.94	142	42367	4.096	ug/l	99
11) Tert butyl alcohol	4.81	59	30227	20.092	ug/l #	91
12) 1,1-Dichloroethene	3.72	96	39283	5.090	ug/l	98
13) Acrolein	3.60	56	36101	33.320	ug/l	99
14) Allyl chloride	4.32	41	72391	4.639	ug/l	97
15) Acrylonitrile	4.99	53	108132	22.776	ug/l	98
16) Acetone	3.82	43	105440	21.728	ug/l	100
17) Carbon Disulfide	4.04	76	106938	5.047	ug/l	100
18) Methyl Acetate	4.33	43	50743	4.279	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	120410	4.749	ug/l	97
20) Methylene Chloride	4.54	84	48957	4.897	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	42472	5.068	ug/l	94
22) Diisopropyl ether	5.96	45	149312	4.715	ug/l	98
23) Vinyl Acetate	5.90	43	533930	21.909	ug/l	99
24) 1,1-Dichloroethane	5.85	63	82308	4.776	ug/l	98
25) 2-Butanone	6.84	43	140939	21.327	ug/l	97
26) 2,2-Dichloropropane	6.82	77	53343	4.972	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	48278	5.011	ug/l	98
28) Bromochloromethane	7.19	49	38831	4.405	ug/l	97
29) Tetrahydrofuran	7.22	42	94077	21.515	ug/l	98
30) Chloroform	7.37	83	79130	4.973	ug/l	95
31) Cyclohexane	7.65	56	91554	5.366	ug/l #	85
32) 1,1,1-Trichloroethane	7.57	97	61116	5.027	ug/l	100
36) 1,1-Dichloropropene	7.79	75	58613	4.872	ug/l	99
37) Ethyl Acetate	6.94	43	55830	4.339	ug/l	99
38) Carbon Tetrachloride	7.77	117	49822	4.890	ug/l	95

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 Data File : VN055586.D
 Acq On : 14 May 2019 11:32
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: May 15 07:04:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69824	4.763	ug/l	98
40) Benzene	8.04	78	184249	4.940	ug/l	98
41) Methacrylonitrile	7.17	41	24686	4.144	ug/l #	86
42) 1,2-Dichloroethane	8.12	62	60460	4.631	ug/l	99
43) Isopropyl Acetate	8.17	43	84124	4.317	ug/l	99
44) Trichloroethene	8.83	130	43823	4.904	ug/l	94
45) 1,2-Dichloropropane	9.12	63	52026	4.886	ug/l	100
46) Dibromomethane	9.21	93	29200	4.735	ug/l	97
47) Bromodichloromethane	9.40	83	54896	4.634	ug/l	96
48) Methyl methacrylate	9.20	41	41082	4.362	ug/l	97
49) 1,4-Dioxane	9.20	88	15120	82.916	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	273229	21.421	ug/l	98
52) Toluene	10.15	92	101114	4.737	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	48648	4.296	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	60599	4.463	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	41419	4.799	ug/l	97
56) Ethyl methacrylate	10.43	69	55312	4.353	ug/l	99
57) 1,3-Dichloropropane	10.71	76	70816	4.638	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	63994	18.274	ug/l	100
59) 2-Hexanone	10.75	43	182939	20.481	ug/l	99
60) Dibromochloromethane	10.90	129	36143	4.603	ug/l	98
61) 1,2-Dibromoethane	11.01	107	38408	4.645	ug/l	98
64) Tetrachloroethene	10.63	164	41347	4.867	ug/l	99
65) Chlorobenzene	11.43	112	105673	4.953	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	35899	4.872	ug/l	95
67) Ethyl Benzene	11.51	91	187047	4.693	ug/l	96
68) m/p-Xylenes	11.62	106	134123	9.350	ug/l	100
69) o-Xylene	11.95	106	66200	4.702	ug/l	99
70) Styrene	11.96	104	100268	4.456	ug/l	100
71) Bromoform	12.13	173	21672	4.392	ug/l #	94
73) Isopropylbenzene	12.25	105	171362	5.316	ug/l	99
74) N-amyl acetate	12.07	43	55045	4.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	56195	5.377	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	44866m	5.082	ug/l	
77) Bromobenzene	12.53	156	39506	5.436	ug/l	97
78) n-propylbenzene	12.59	91	174743	4.966	ug/l	99
79) 2-Chlorotoluene	12.67	91	115706	5.285	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	134446	5.132	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	11958	5.020	ug/l	91
82) 4-Chlorotoluene	12.77	91	106034	5.121	ug/l	98
83) tert-Butylbenzene	12.99	119	118216	5.270	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	114779	4.779	ug/l	98
85) sec-Butylbenzene	13.17	105	148355	4.983	ug/l	100
86) p-Isopropyltoluene	13.29	119	111877	4.618	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	57485	5.138	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	53886	4.875	ug/l	92
89) n-Butylbenzene	13.61	91	76503	4.115	ug/l	98
90) Hexachloroethane	13.87	117	20953	5.295	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	55317	4.941	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6782	4.575	ug/l	93

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Acq On : 14 May 2019 11:32
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

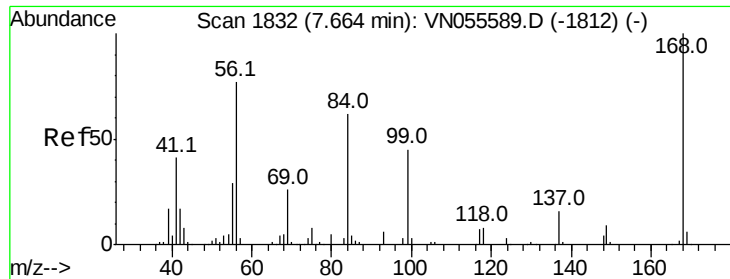
Manual Integrations
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5/16/2019 1:27:44 PM

Quant Time: May 15 07:04:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
Quant Title : SW846 8260
QLast Update : Wed May 15 06:47:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	14756	3.897	ug/l	97
94) Hexachlorobutadiene	15.01	225	19229	4.795	ug/l	96
95) Naphthalene	15.13	128	44337	4.007	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	16562	3.731	ug/l	98

(#) = 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: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 704824

Ion Ratio Lower Upper

168 100

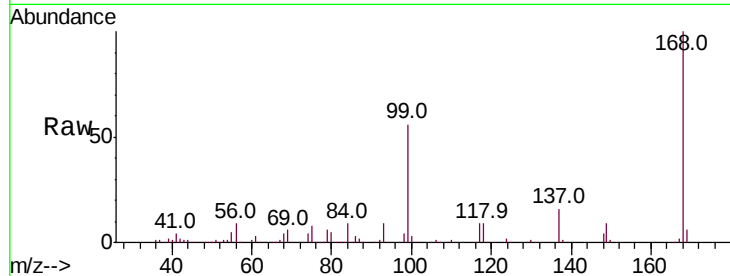
99 54.8 44.6 66.8

Manual Integrations

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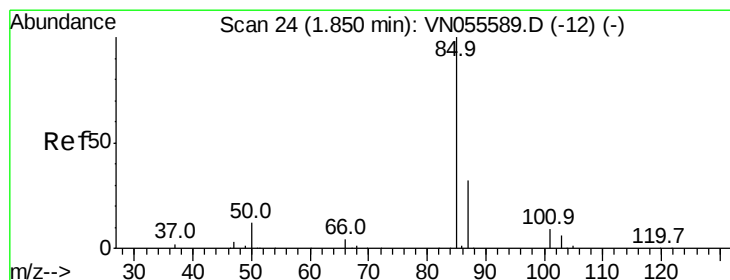
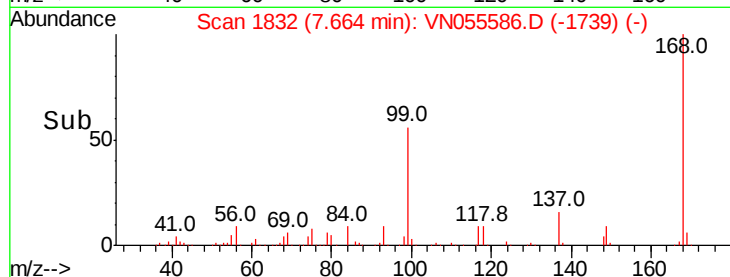
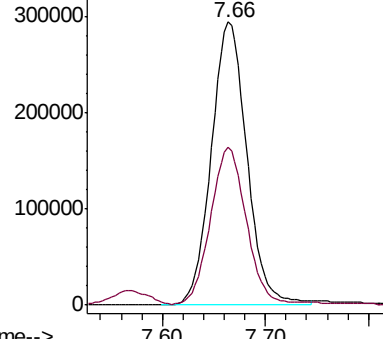
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 5.306 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055586.D

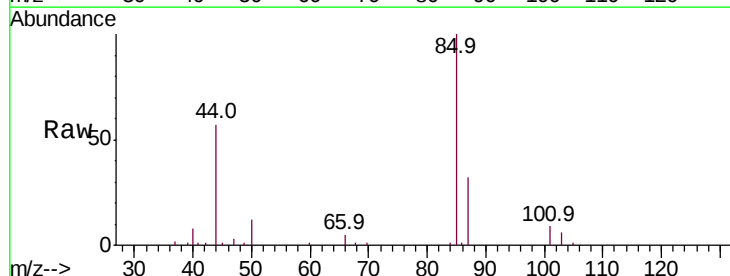
Acq: 14 May 2019 11:32

Tgt Ion: 85 Resp: 38184

Ion Ratio Lower Upper

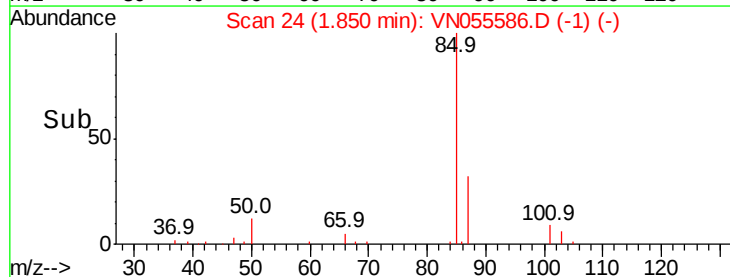
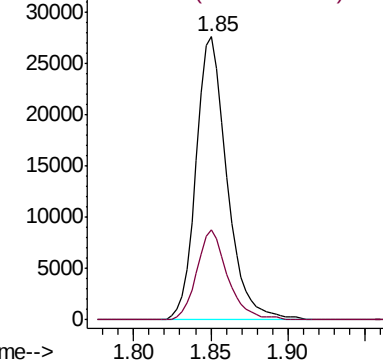
85 100

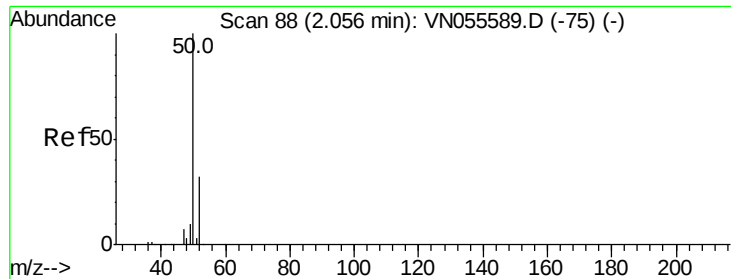
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 5.051 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 58479

Ion Ratio Lower Upper

50 100

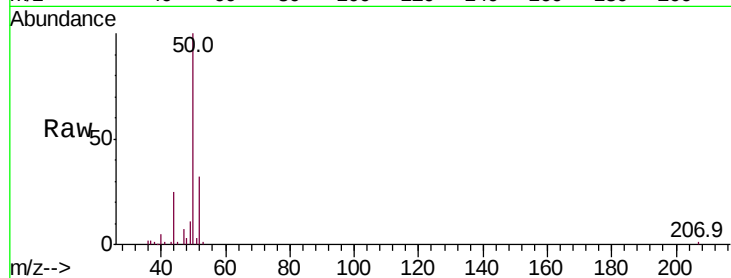
52 31.6 25.5 38.3

Manual Integrations

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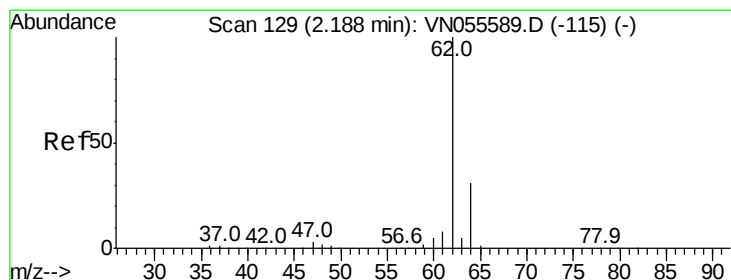
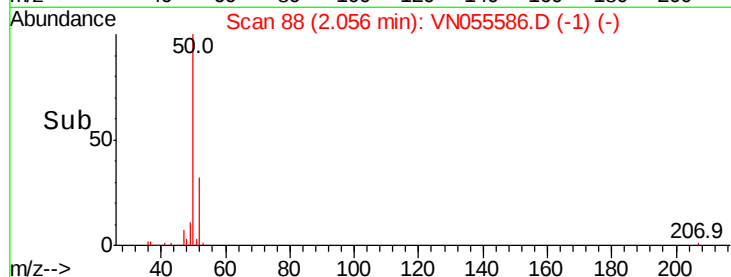
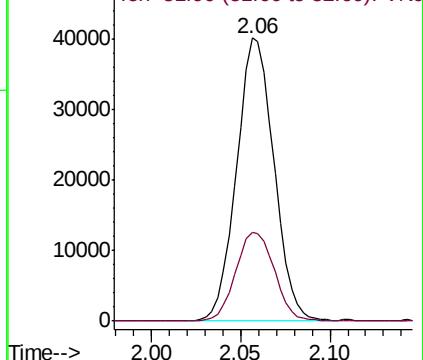
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 5.142 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN055586.D

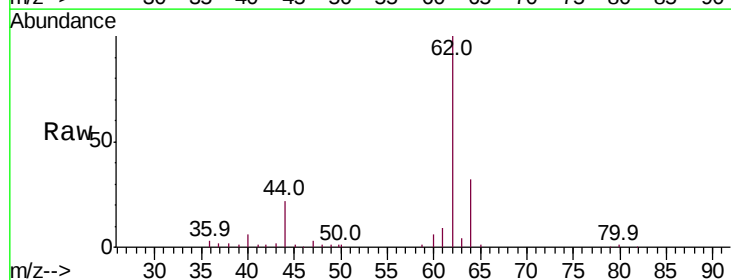
Acq: 14 May 2019 11:32

Tgt Ion: 62 Resp: 56606

Ion Ratio Lower Upper

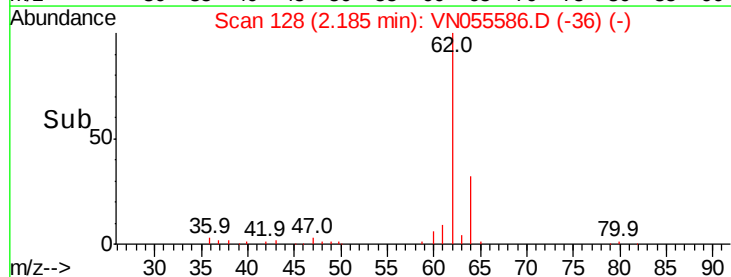
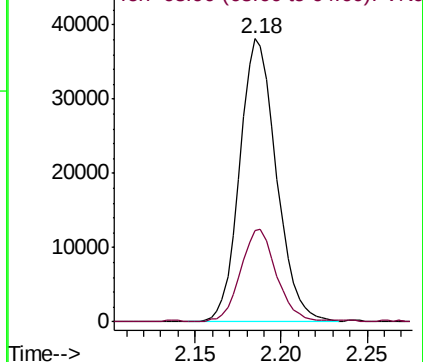
62 100

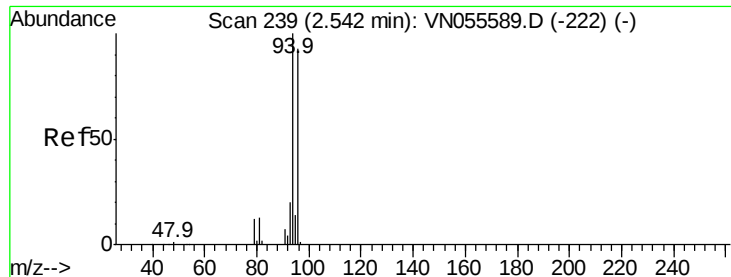
64 32.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 5.960 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 36272

Ion Ratio Lower Upper

94 100

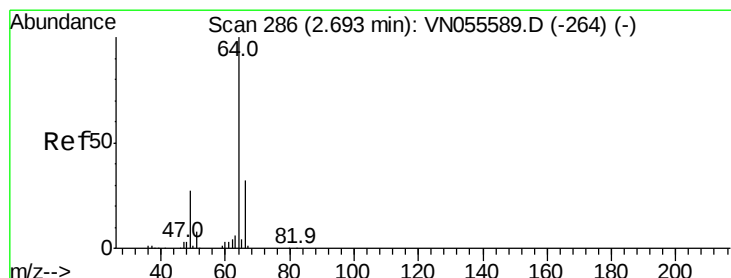
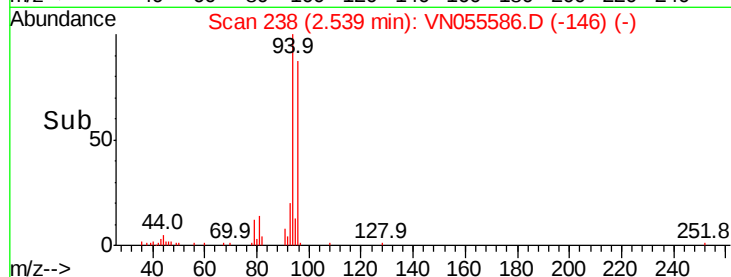
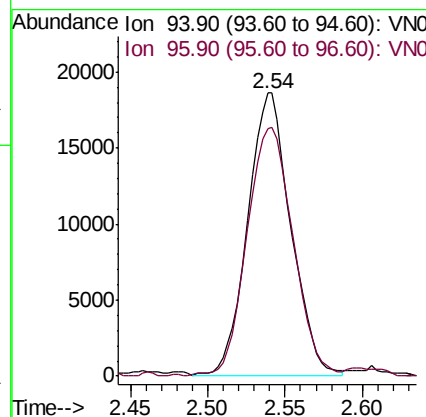
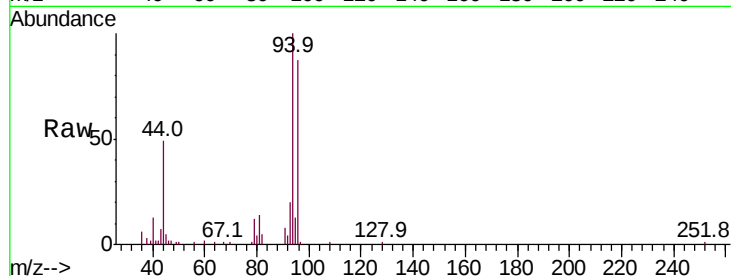
96 86.6 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 5.421 ug/l

RT: 2.69 min Scan# 285

Delta R.T. -0.00 min

Lab File: VN055586.D

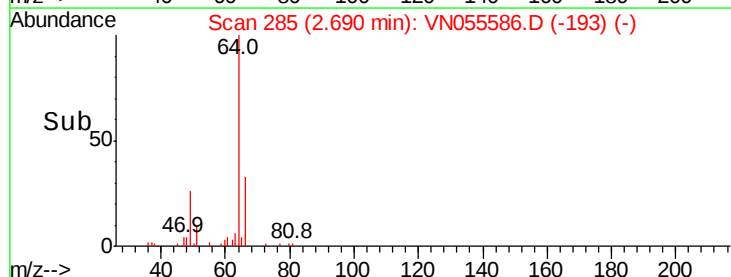
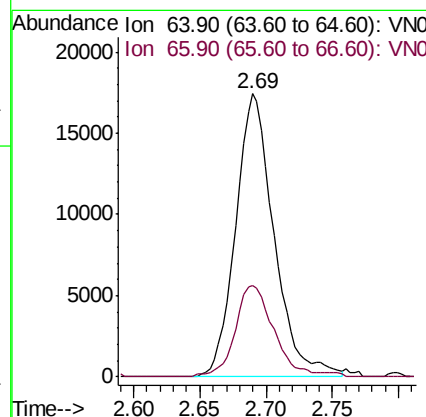
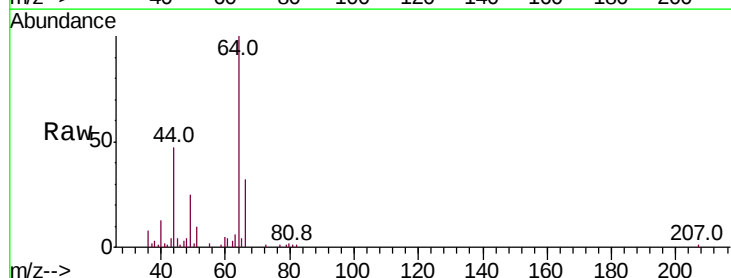
Acq: 14 May 2019 11:32

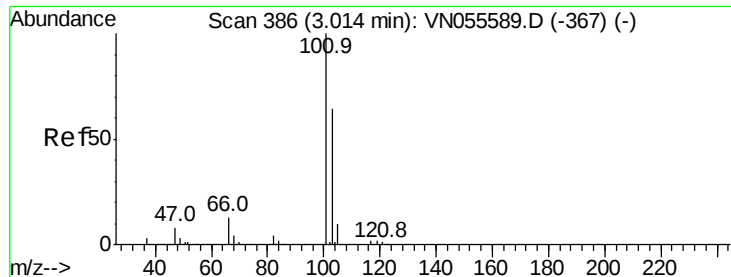
Tgt Ion: 64 Resp: 35080

Ion Ratio Lower Upper

64 100

66 32.4 25.8 38.6





#7

Trichlorofluoromethane

Concen: 5.348 ug/l

RT: 3.01 min Scan# 385

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 64654

Ion Ratio Lower Upper

101 100

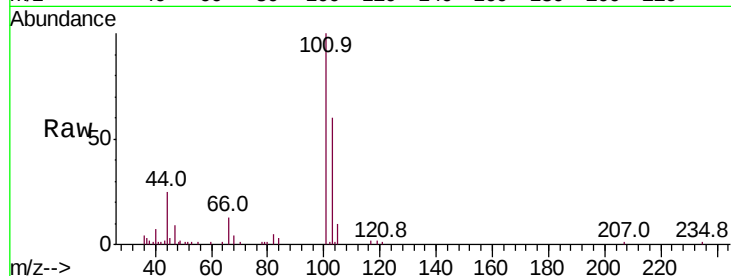
103 60.4 51.0 76.6

Manual Integrations

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

30000

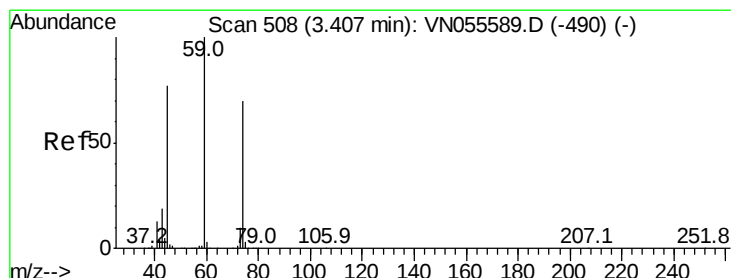
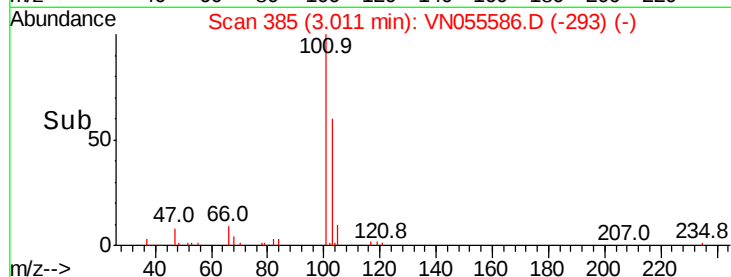
20000

10000

0

Time-->

2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 5.030 ug/l

RT: 3.41 min Scan# 508

Delta R.T. 0.00 min

Lab File: VN055586.D

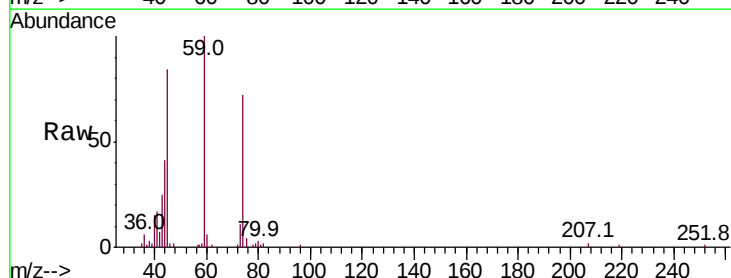
Acq: 14 May 2019 11:32

Tgt Ion: 74 Resp: 27306

Ion Ratio Lower Upper

74 100

45 110.4 54.9 164.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

15000

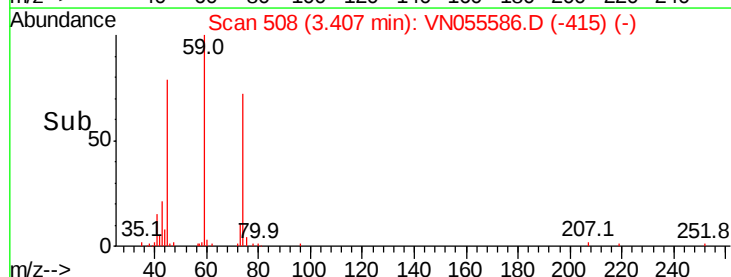
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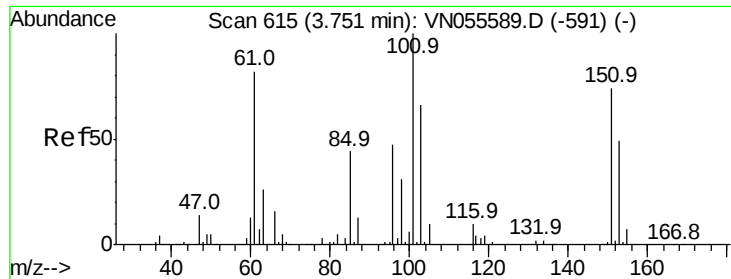
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Time-->

3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.180 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

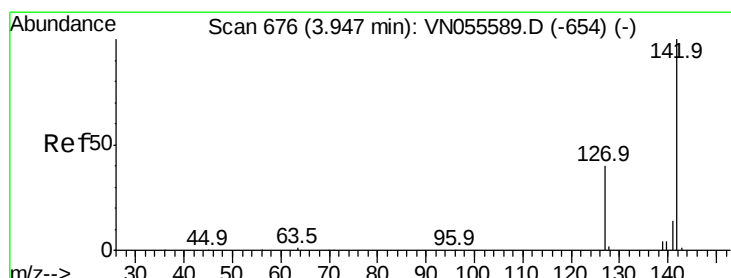
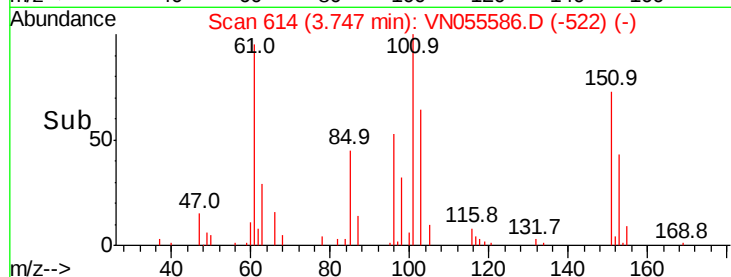
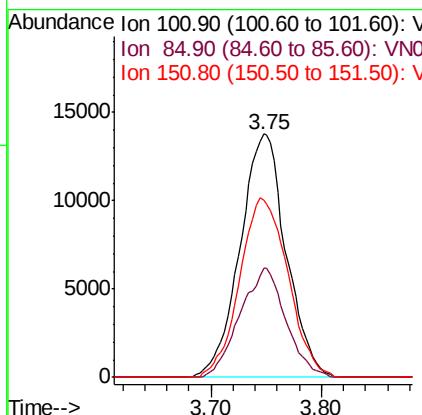
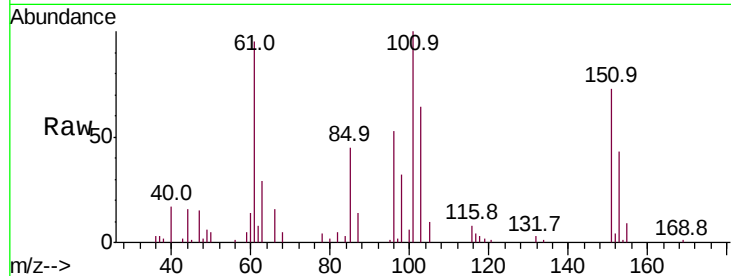
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	39861
Ion Ratio	Lower	Upper	
101	100		
85	44.7	34.2	51.2
151	77.2	60.2	90.2

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#10

Methyl Iodide

Concen: 4.096 ug/l

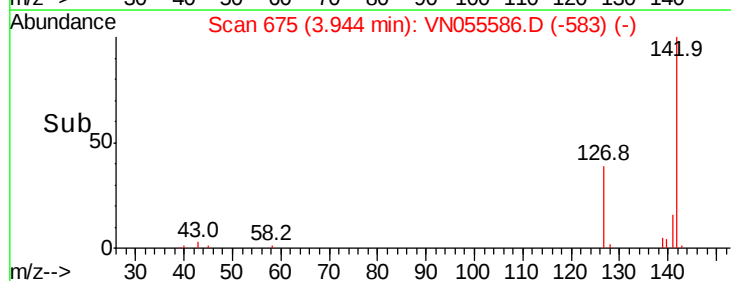
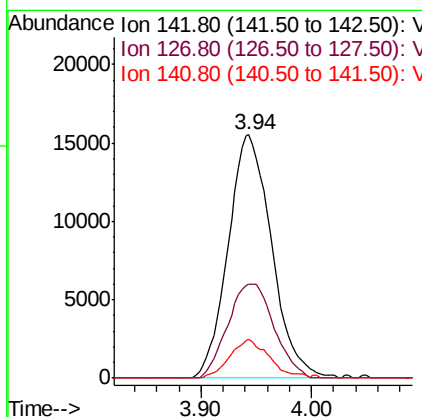
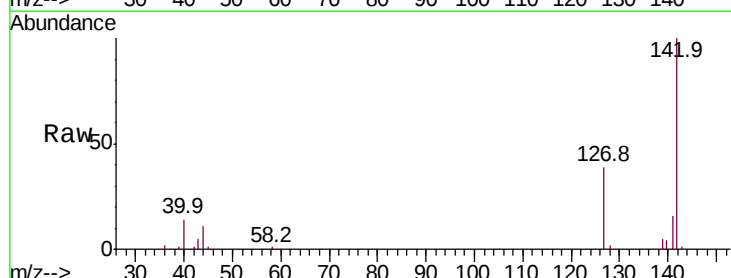
RT: 3.94 min Scan# 675

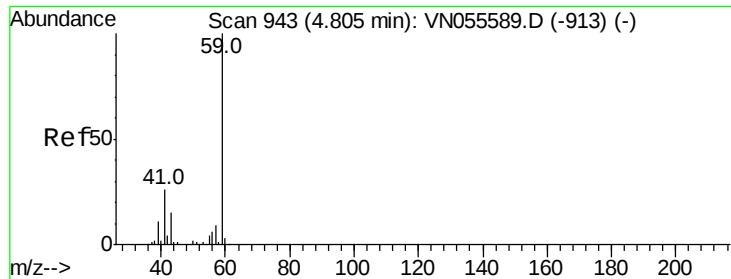
Delta R.T. -0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	142	Resp:	42367
Ion Ratio	Lower	Upper	
142	100		
127	41.1	32.5	48.7
141	14.5	11.2	16.8





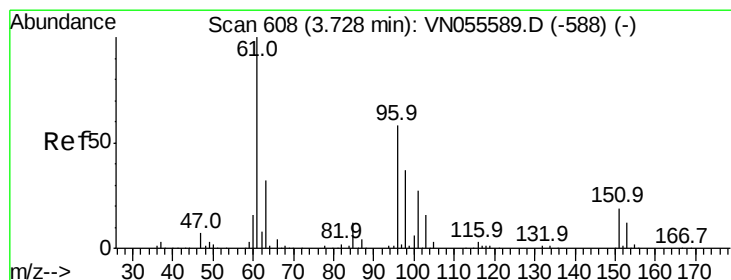
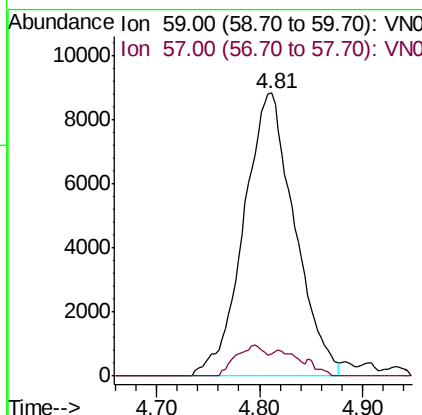
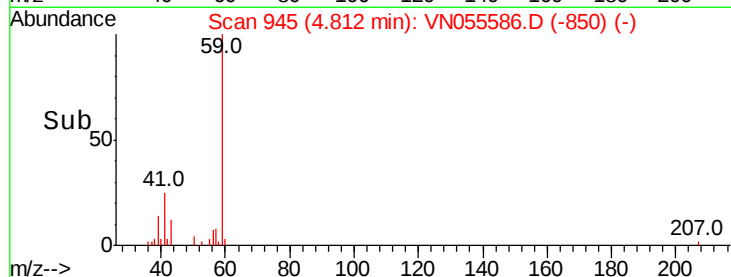
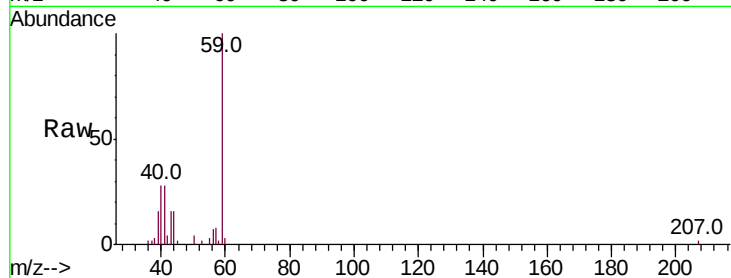
#11
Tert butyl alcohol
Concen: 20.092 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.01 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 30227
Ion Ratio Lower Upper
59 100
57 6.4 7.6 11.4#

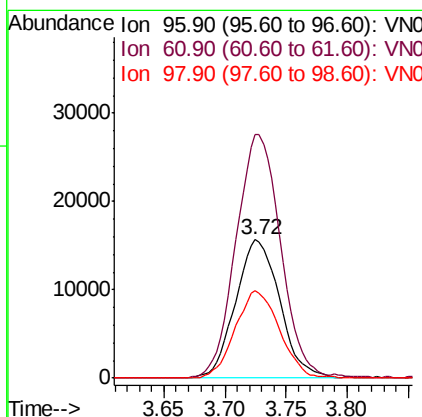
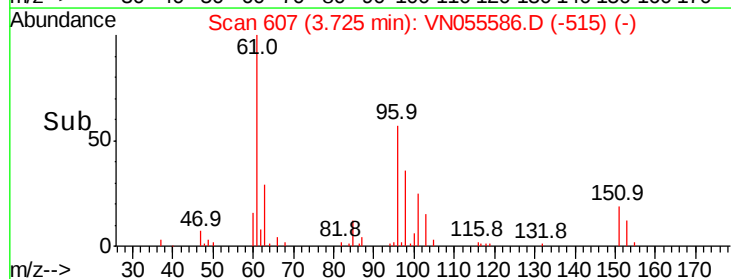
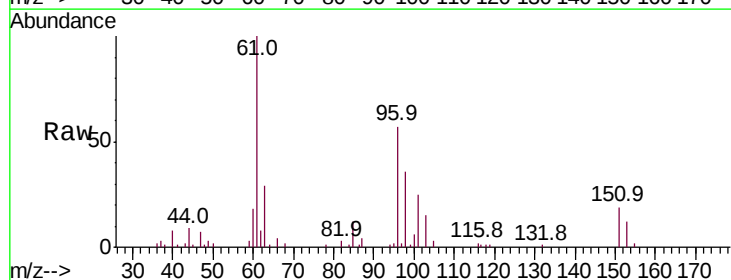
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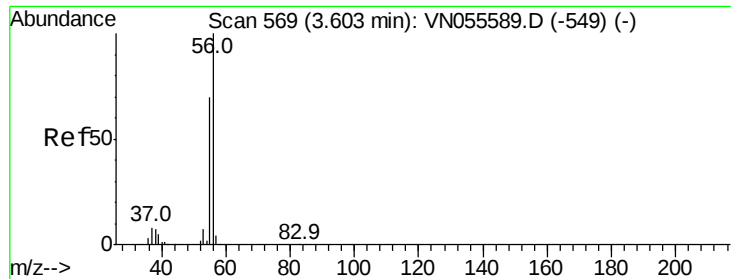
MMDadoda
5/16/2019 1:27:44 PM



#12
1,1-Dichloroethene
Concen: 5.090 ug/l
RT: 3.72 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion: 96 Resp: 39283
Ion Ratio Lower Upper
96 100
61 176.1 137.5 206.3
98 63.3 50.3 75.5





#13

Acrolein

Concen: 33.320 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 36101

Ion Ratio Lower Upper

56 100

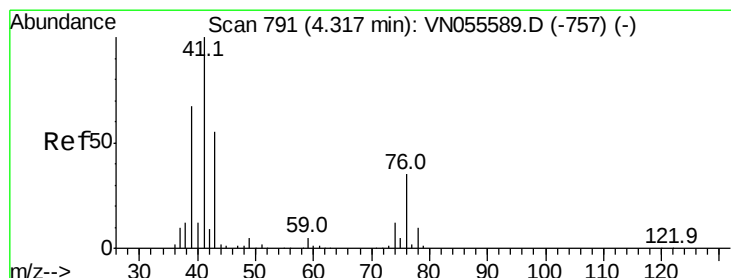
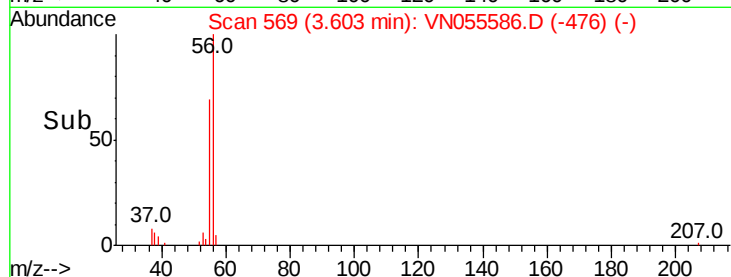
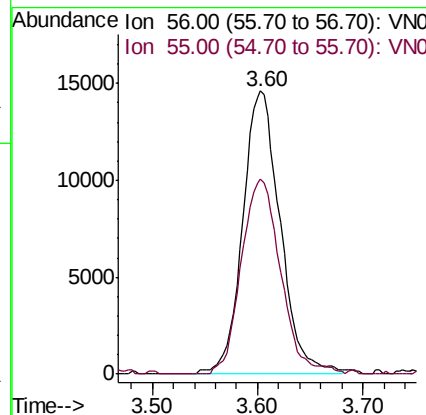
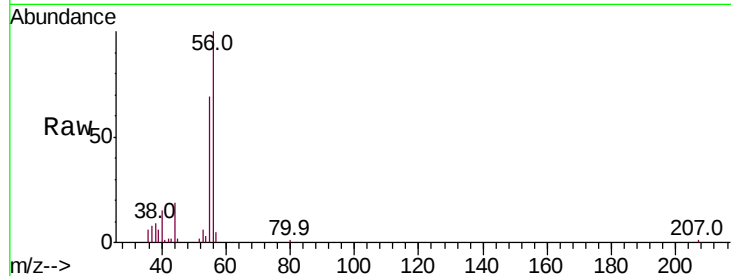
55 72.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 4.639 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

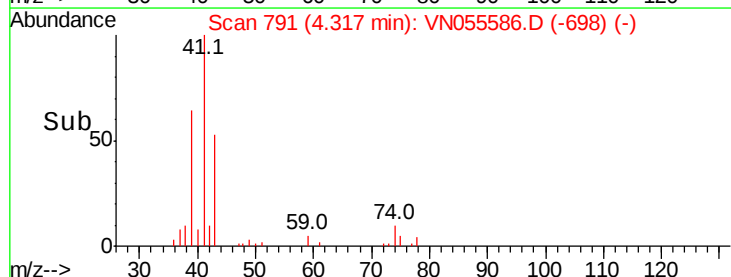
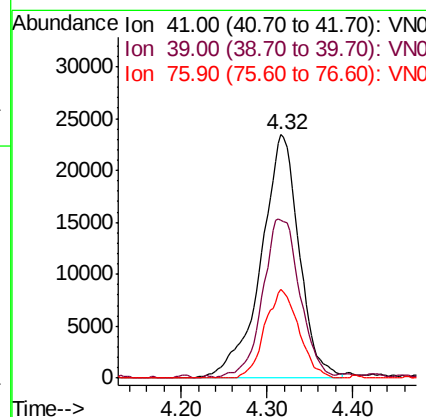
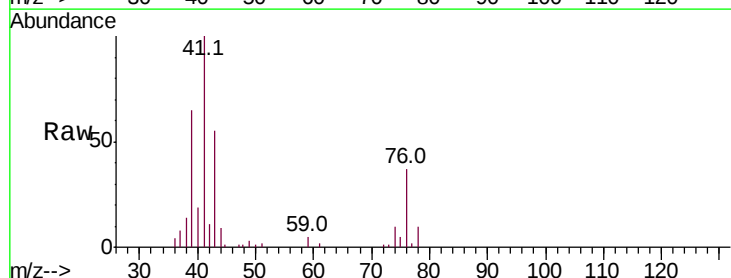
Tgt Ion: 41 Resp: 72391

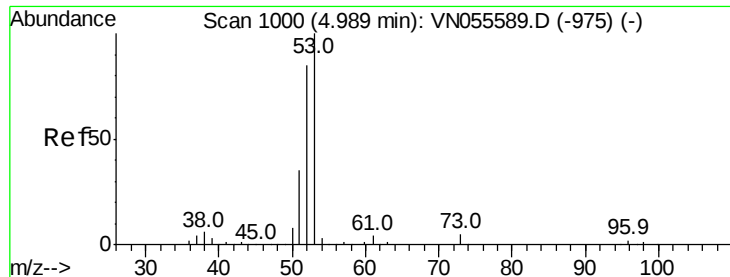
Ion Ratio Lower Upper

41 100

39 64.0 49.3 73.9

76 32.2 24.7 37.1





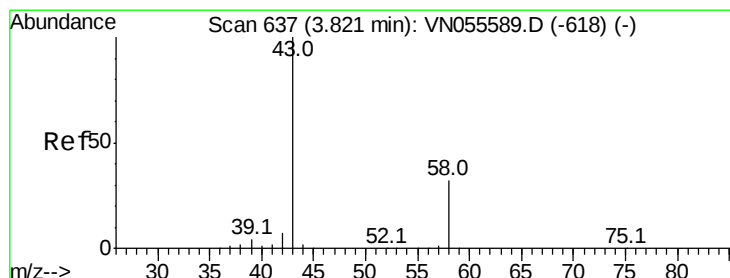
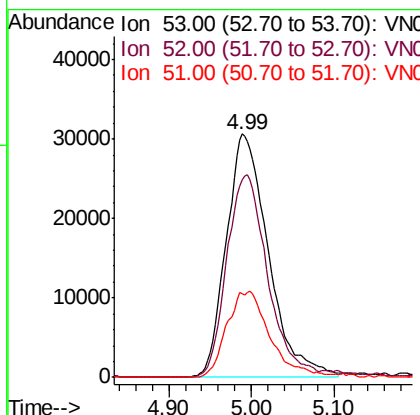
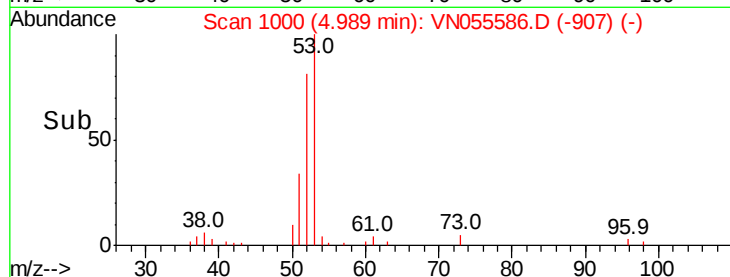
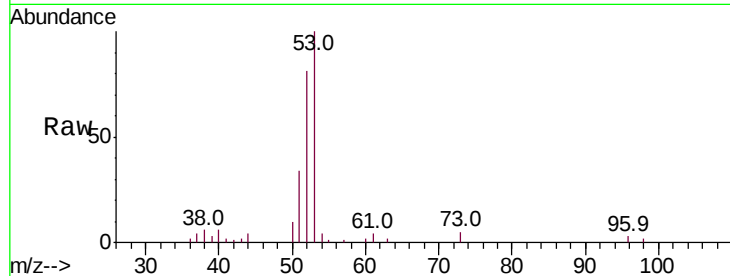
#15
 Acrylonitrile
 Concen: 22.776 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.6	98.4
51	36.1	28.3	42.5

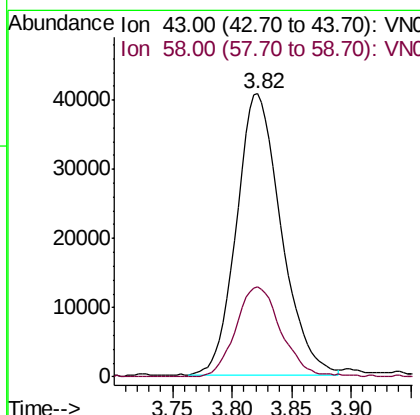
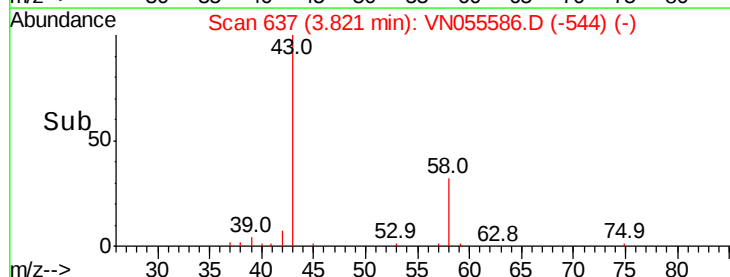
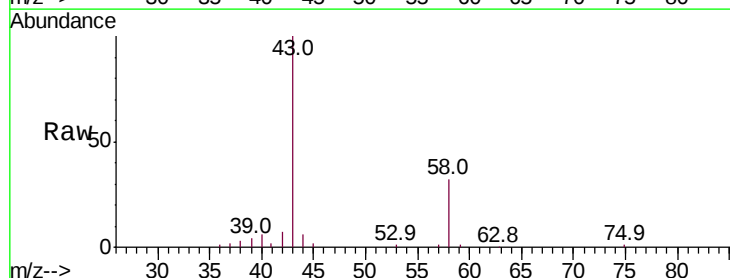
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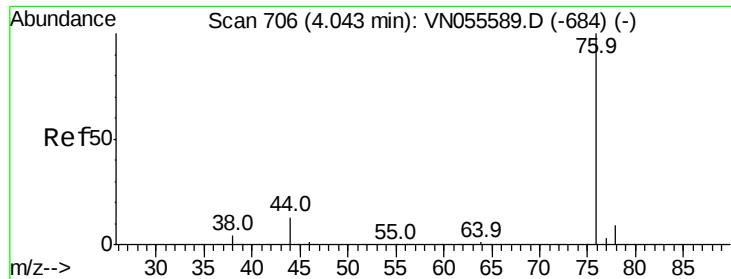
MMDadoda
 5/16/2019 1:27:44 PM



#16
 Acetone
 Concen: 21.728 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	25.7	38.5





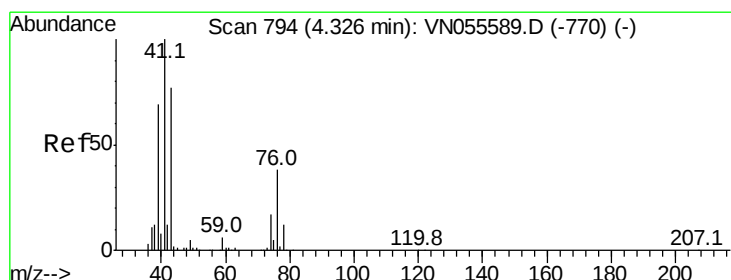
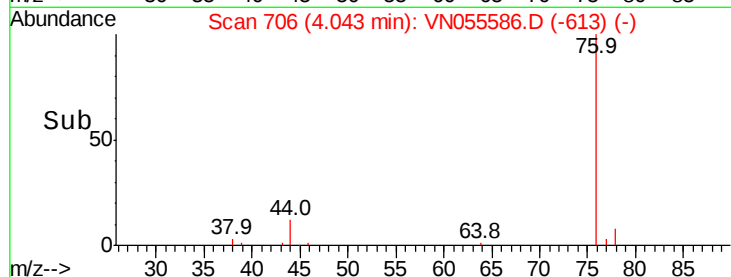
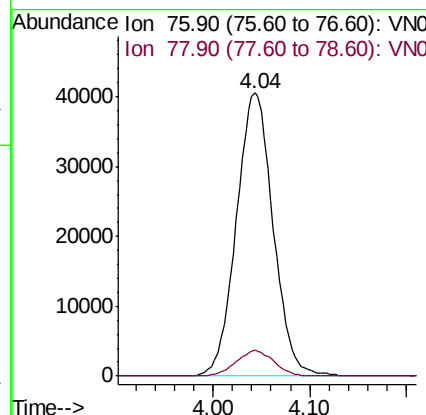
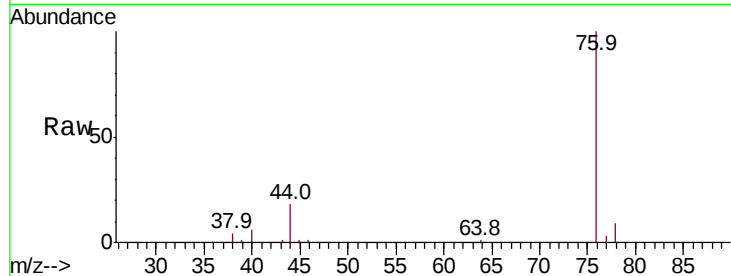
#17
Carbon Disulfide
Concen: 5.047 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

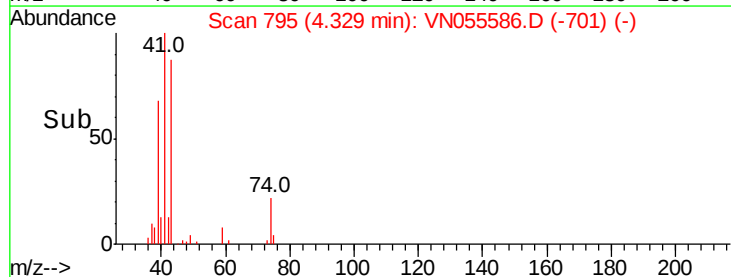
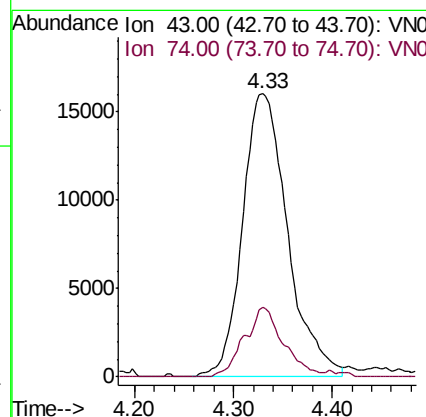
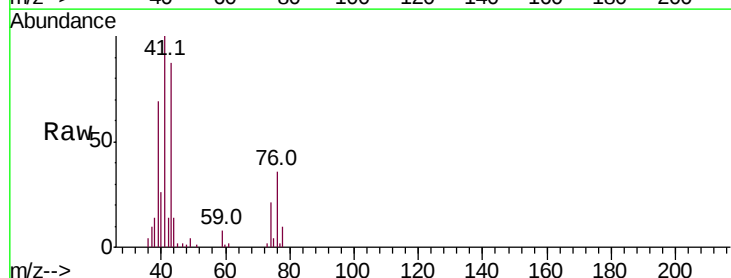
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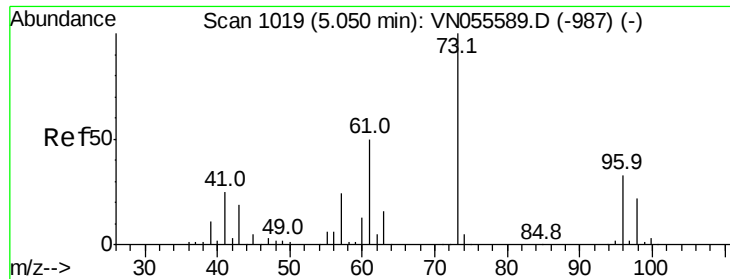
MMDadoda
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#18
Methyl Acetate
Concen: 4.279 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2





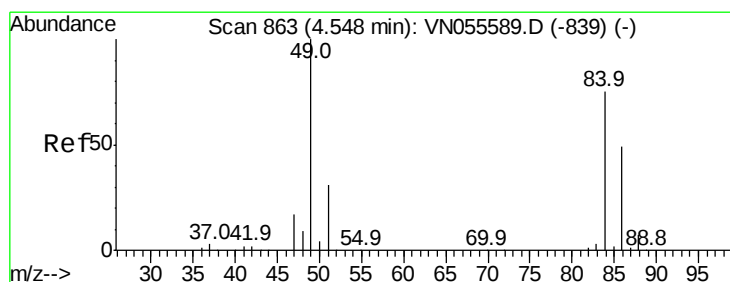
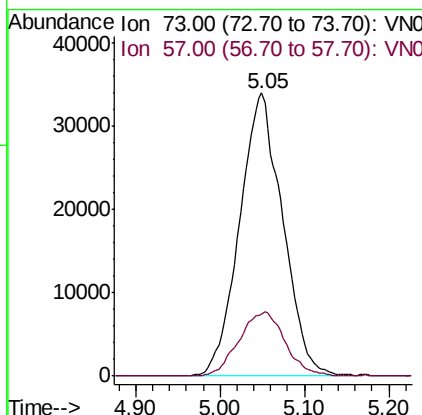
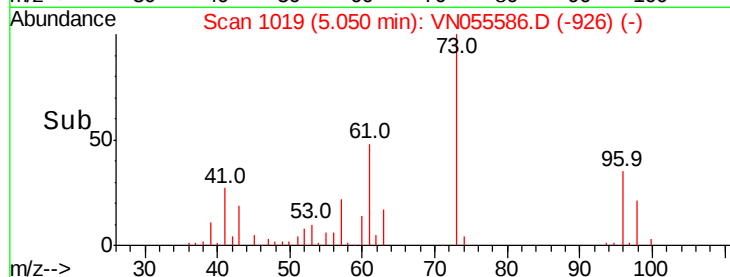
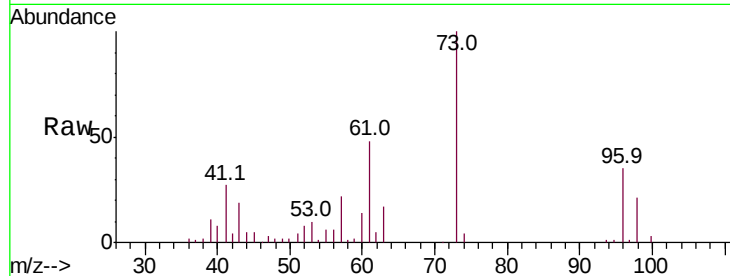
#19
Methvl tert-butvl Ether
Concen: 4.749 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 120410
Ion Ratio Lower Upper
73 100
57 21.9 18.9 28.3

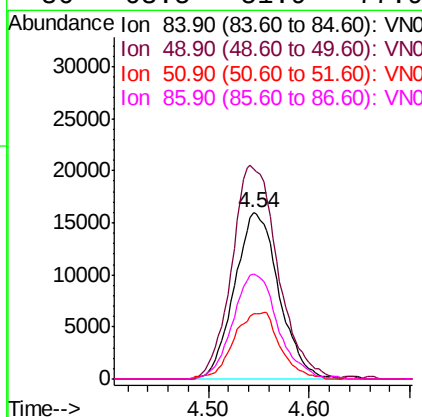
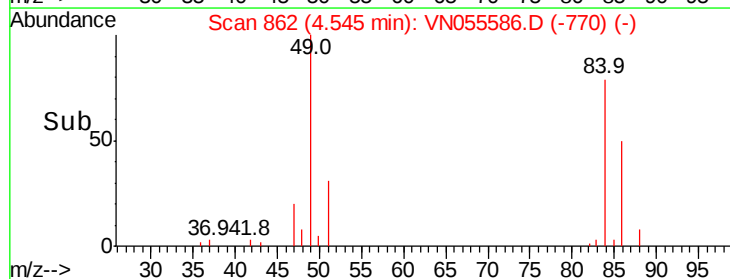
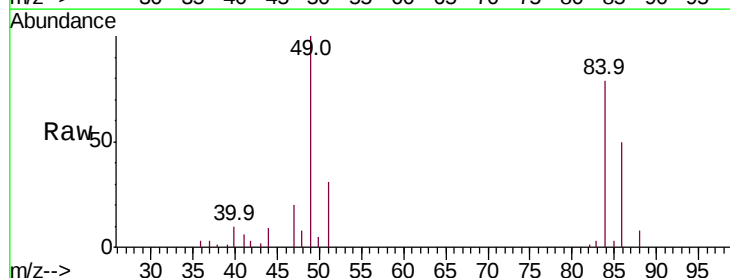
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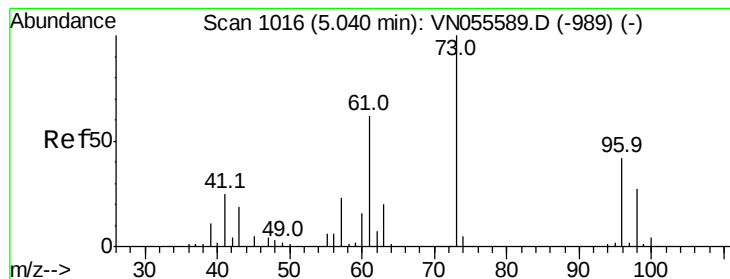
MMDadoda
5/16/2019 1:27:44 PM



#20
Methylene Chloride
Concen: 4.897 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion: 84 Resp: 48957
Ion Ratio Lower Upper
84 100
49 126.3 106.2 159.2
51 38.9 32.7 49.1
86 63.5 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 5.068 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 42472

Ion Ratio Lower Upper

96 100

61 138.5 117.8 176.6

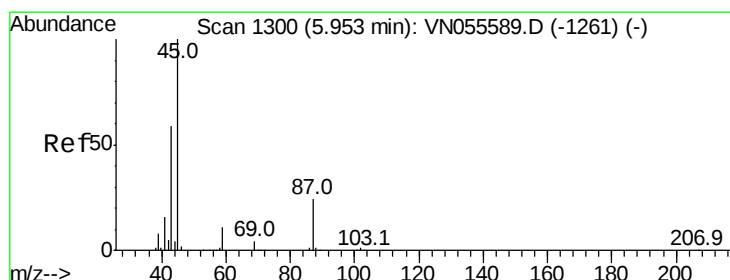
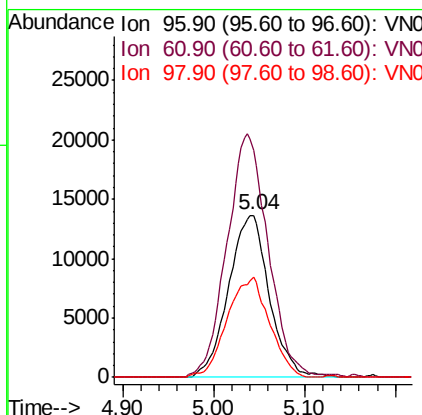
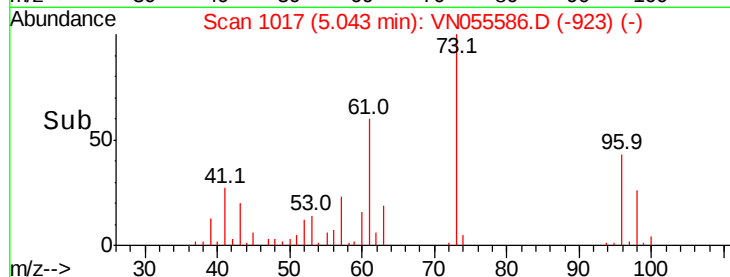
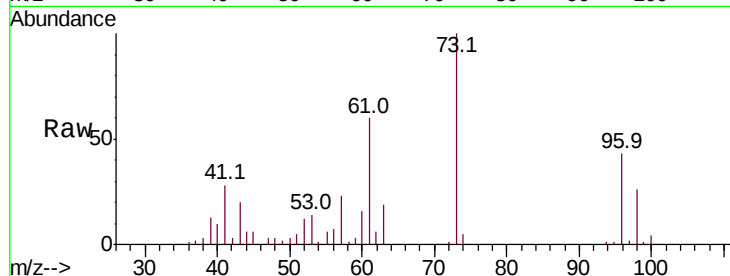
98 62.1 51.4 77.2

Manual Integrations

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#22

Diisopropyl ether

Concen: 4.715 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion: 45 Resp: 149312

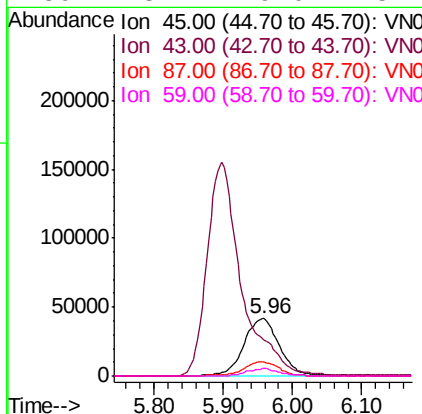
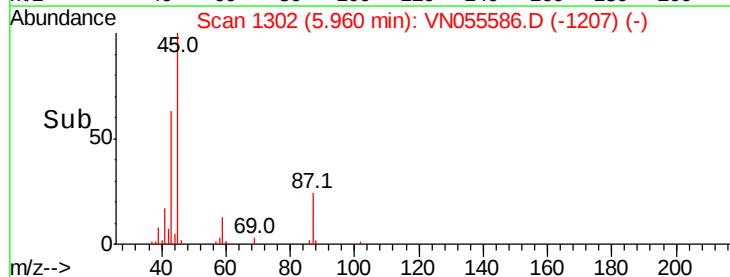
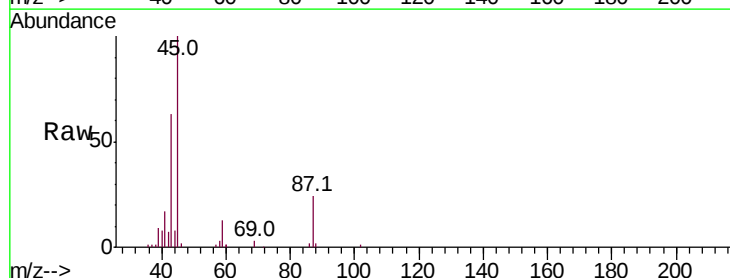
Ion Ratio Lower Upper

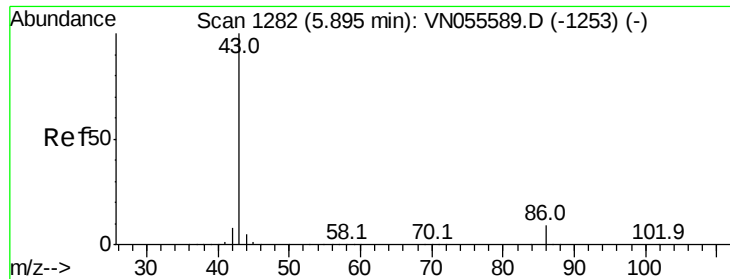
45 100

43 60.5 47.1 70.7

87 24.5 19.5 29.3

59 13.4 9.0 13.4





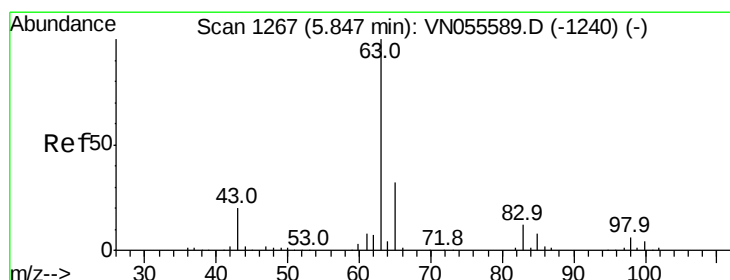
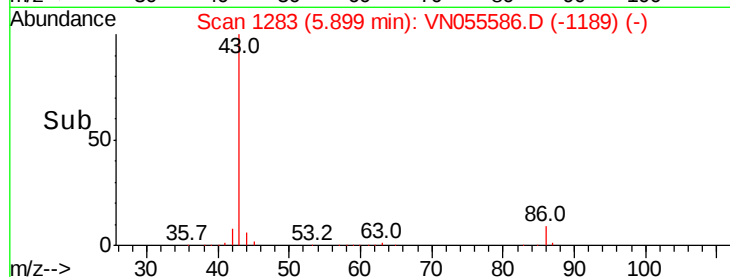
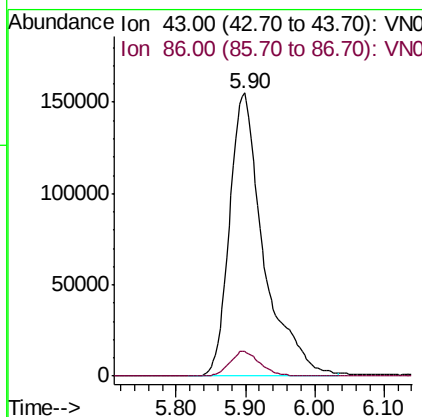
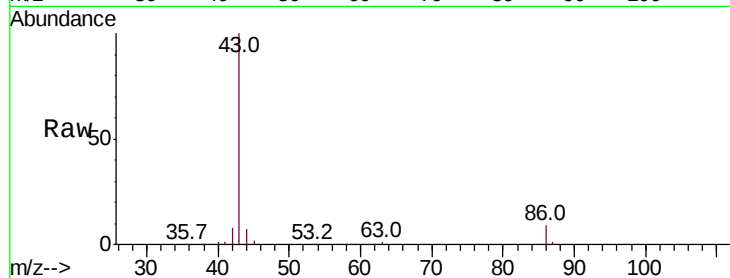
#23
 Vinyl Acetate
 Concen: 21.909 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.7	7.4	11.0

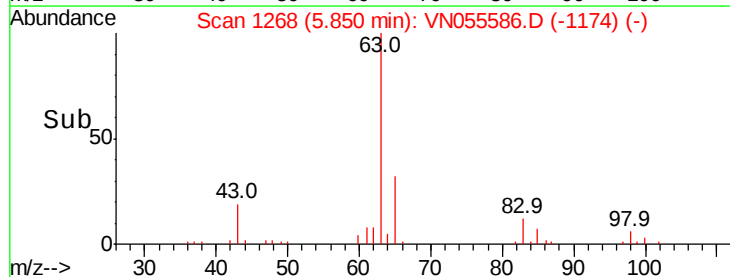
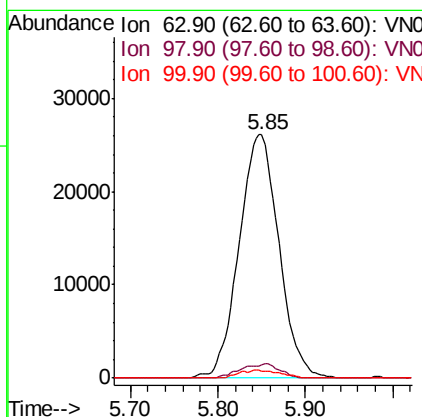
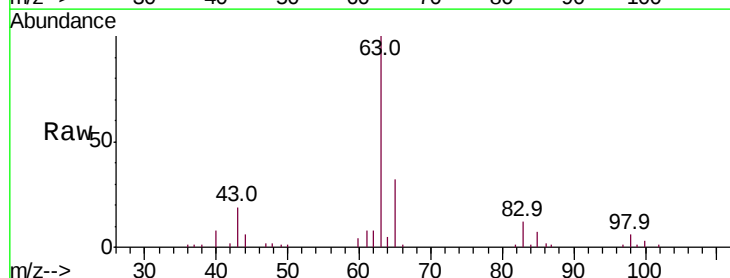
Manual Integrations
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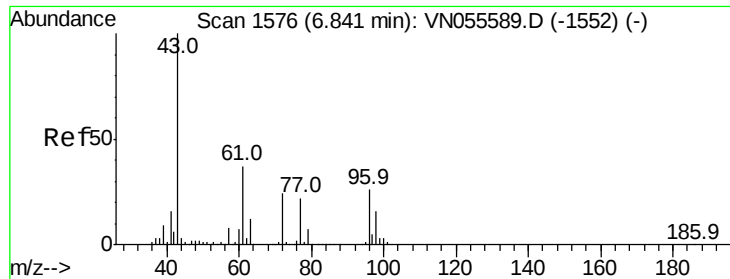
MMDadoda
 5/16/2019 1:27:44 PM



#24
 1,1-Dichloroethane
 Concen: 4.776 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.0	9.0
100	3.0	2.1	6.3





#25

2-Butanone

Concen: 21.327 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 140939

Ion Ratio Lower Upper

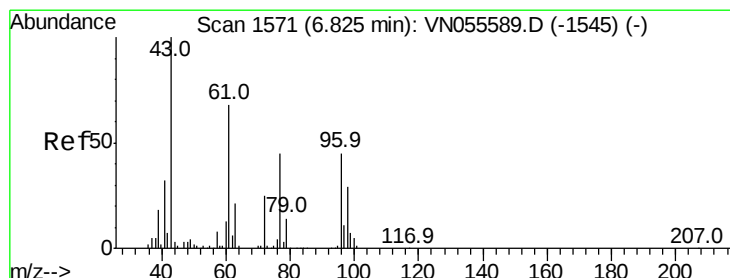
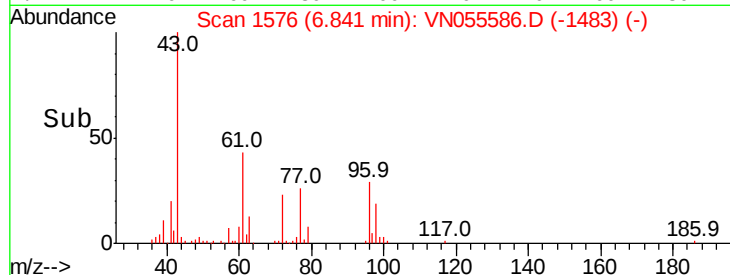
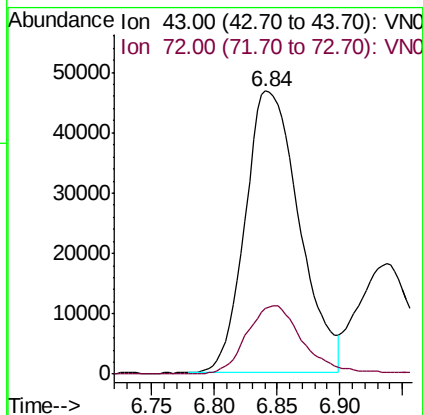
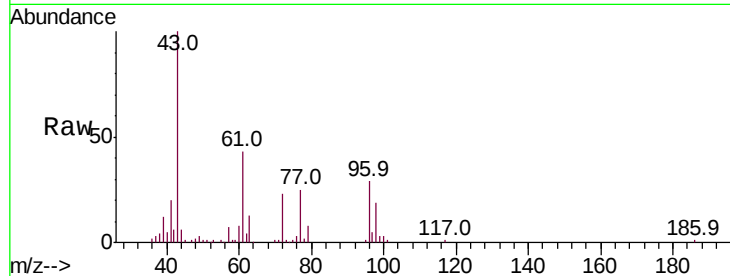
43 100

72 23.2 19.5 29.3

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 4.972 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055586.D

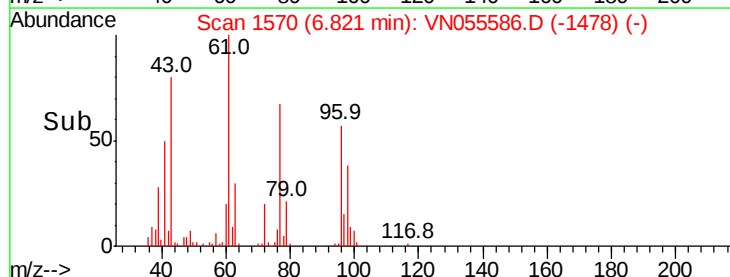
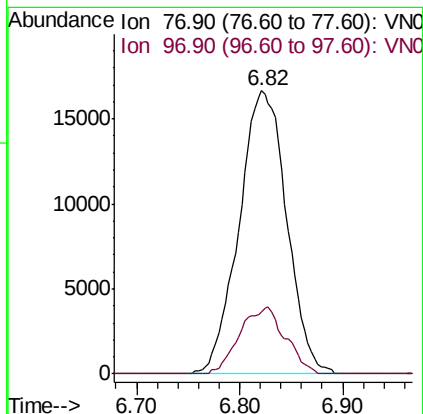
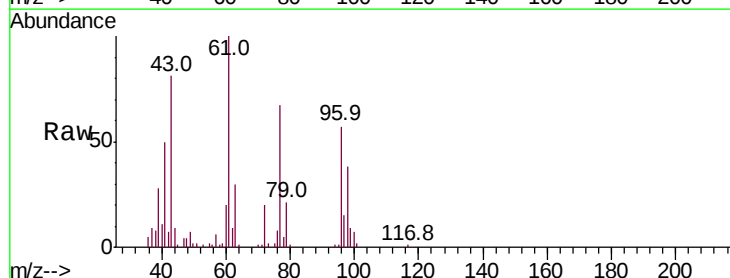
Acq: 14 May 2019 11:32

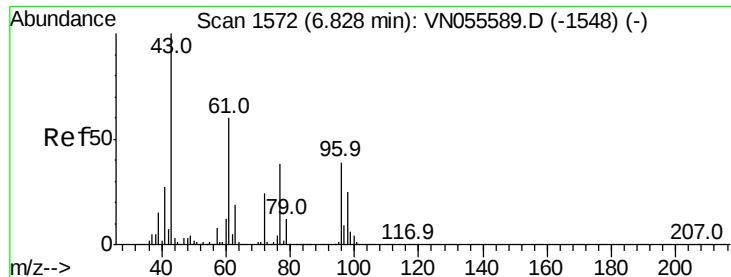
Tgt Ion: 77 Resp: 53343

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 5.011 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

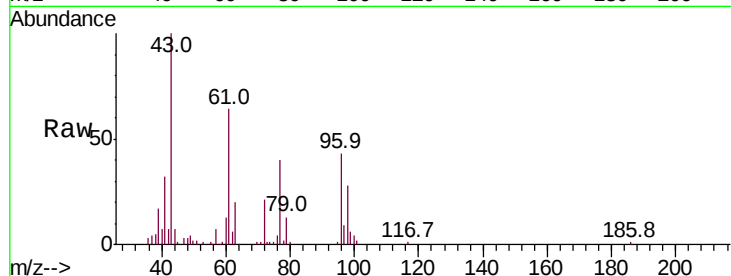
ClientSampleId :

VSTDIC005

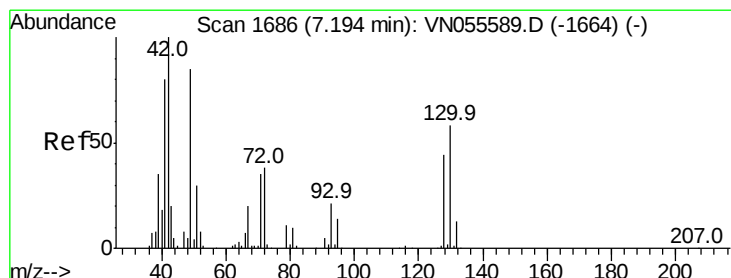
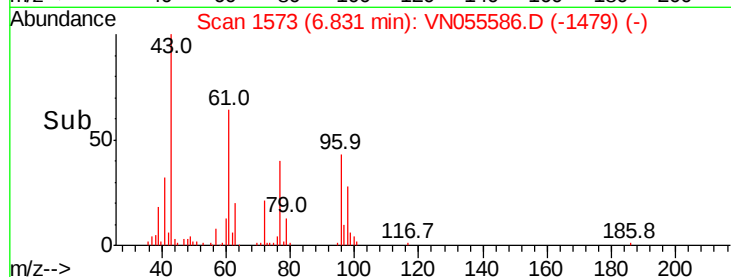
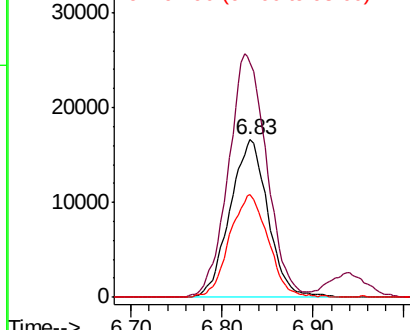
Tot Ion:	96	Resp:	48278
Ion	Ratio	Lower	Upper
96	100		
61	155.2	0.0	305.0
98	65.9	0.0	128.2

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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: 4.405 ug/l

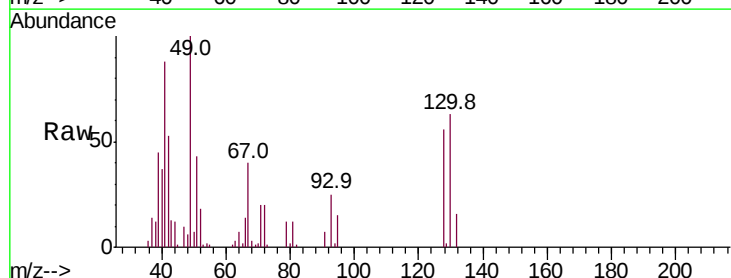
RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

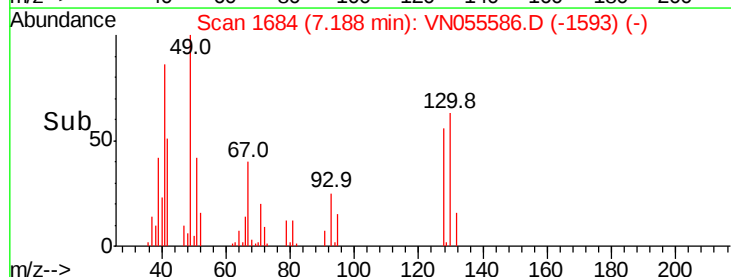
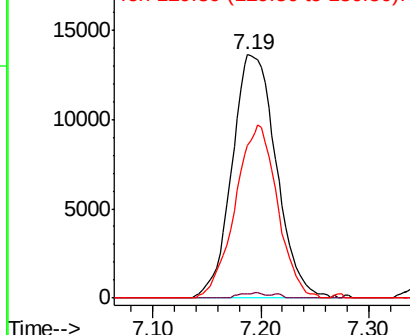
Lab File: VN055586.D

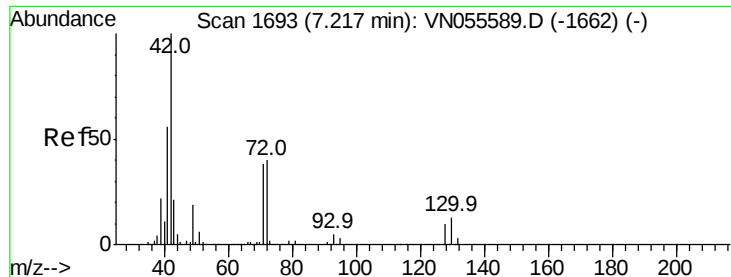
Acq: 14 May 2019 11:32

Tgt Ion:	49	Resp:	38831
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	3.6
130	67.5	52.4	78.6



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





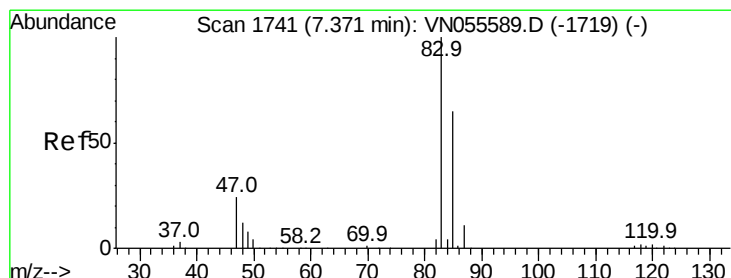
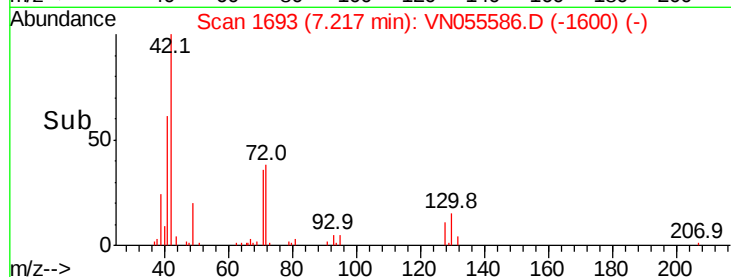
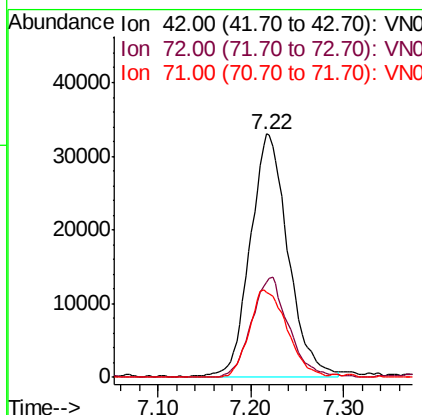
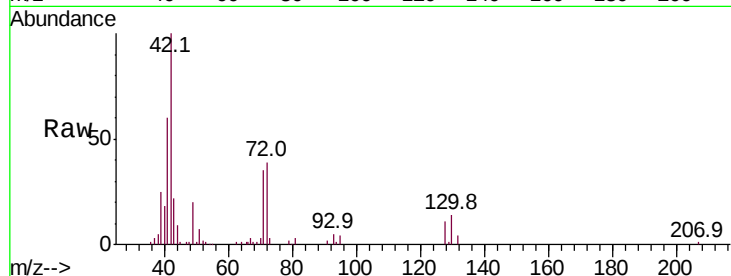
#29
Tetrahydrofuran
Concen: 21.515 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.4	47.2
71	35.8	29.9	44.9

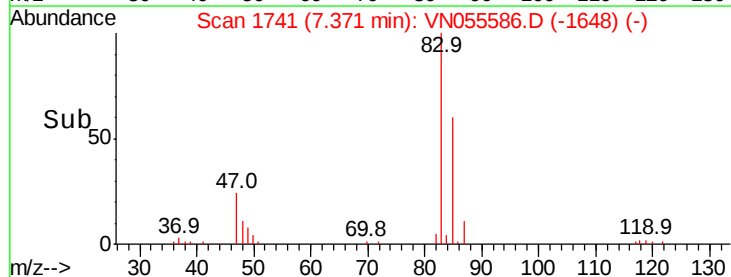
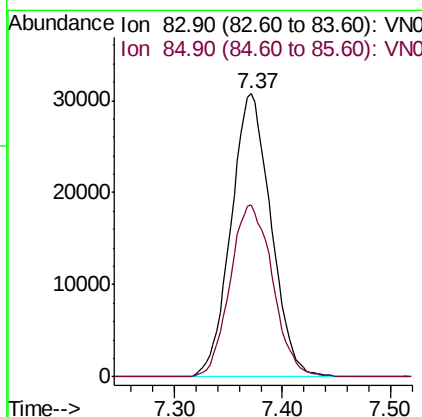
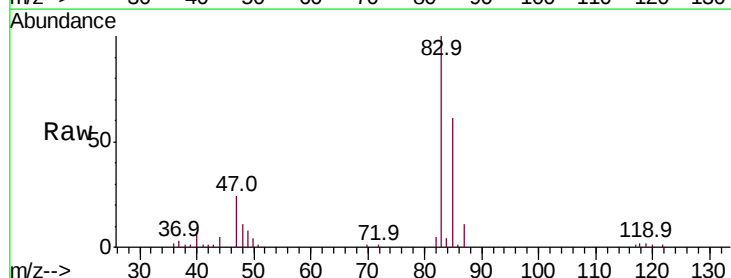
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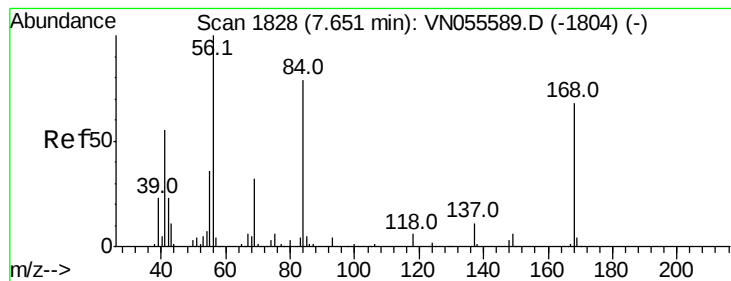
MMDadoda
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#30
Chloroform
Concen: 4.973 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.9	77.9





#31

Cyclohexane

Concen: 5.366 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

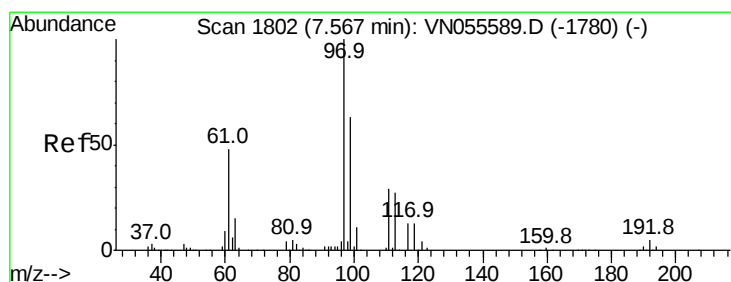
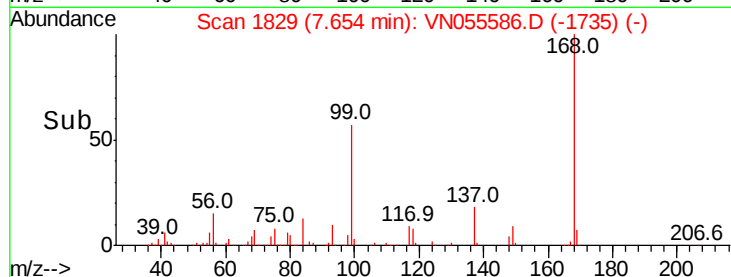
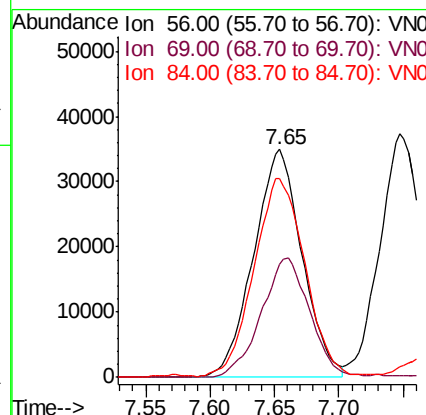
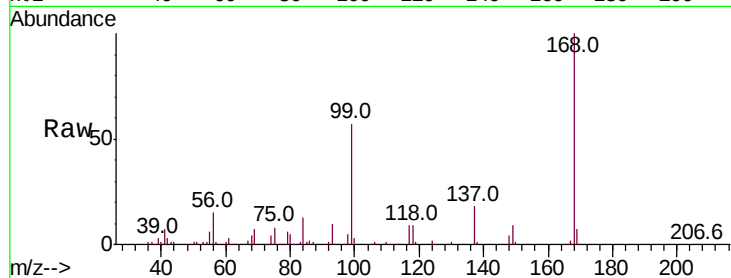
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	91554
Ion Ratio	Lower	Upper	
56	100		
69	49.4	25.7	38.5#
84	86.2	63.4	95.0

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#32

1,1,1-Trichloroethane

Concen: 5.027 ug/l

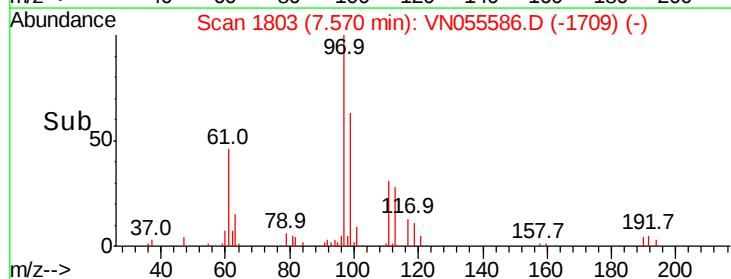
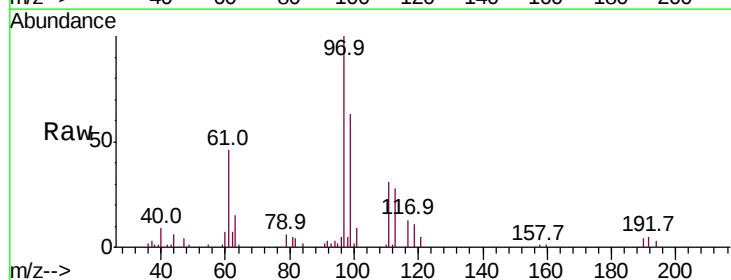
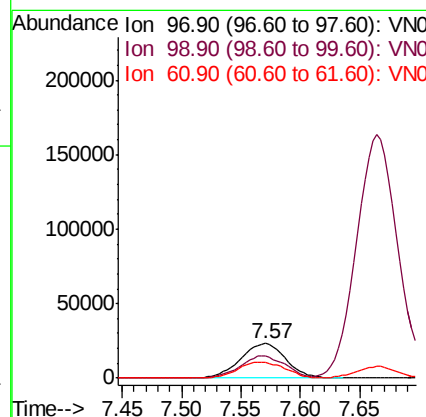
RT: 7.57 min Scan# 1803

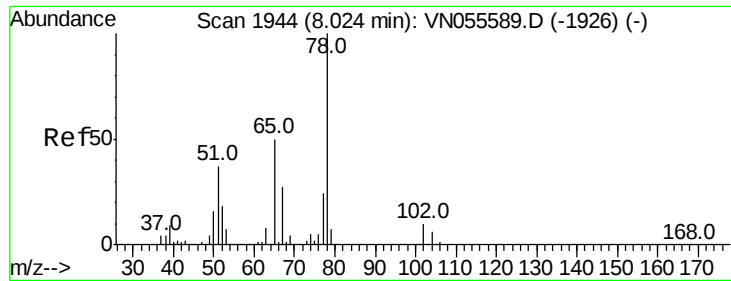
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	97	Resp:	61116
Ion Ratio	Lower	Upper	
97	100		
99	63.7	50.8	76.2
61	48.2	38.7	58.1





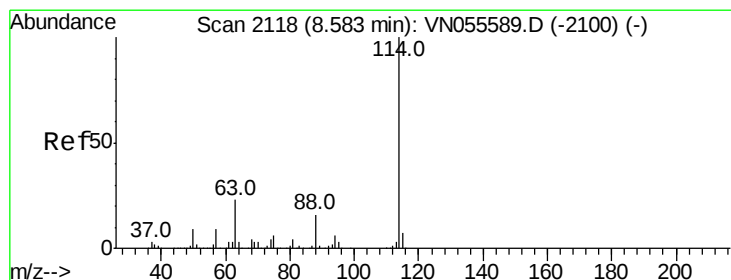
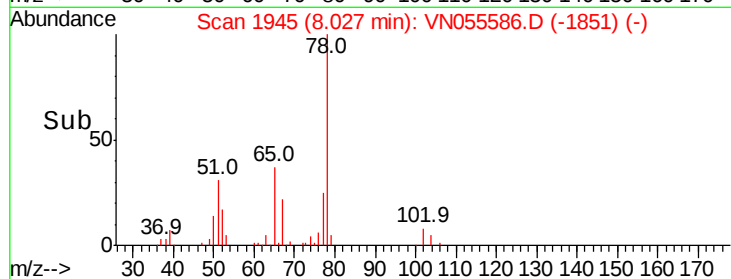
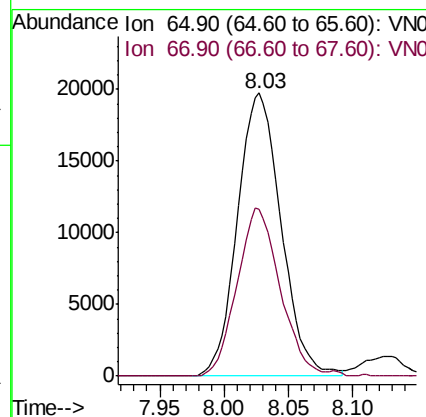
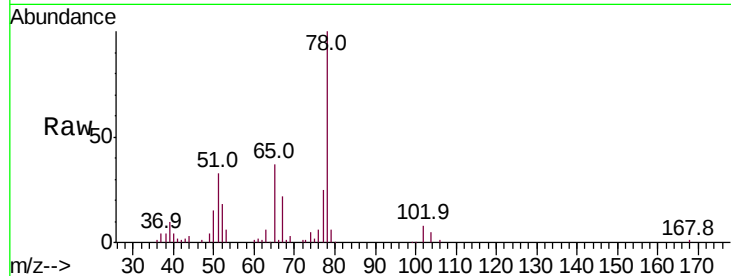
#33
 1,2-Dichloroethane-d4
 Concen: 4.421 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.3	0.0	109.8

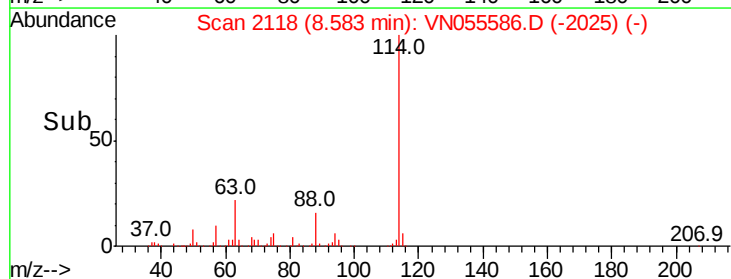
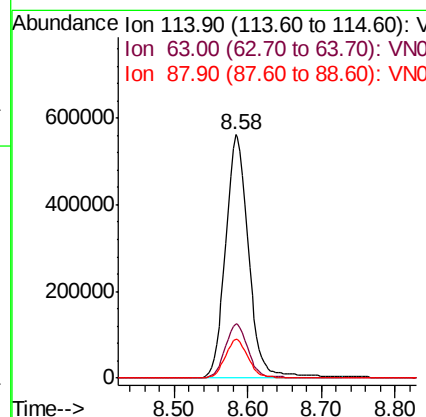
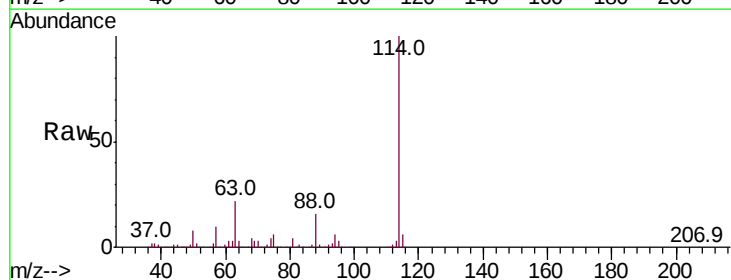
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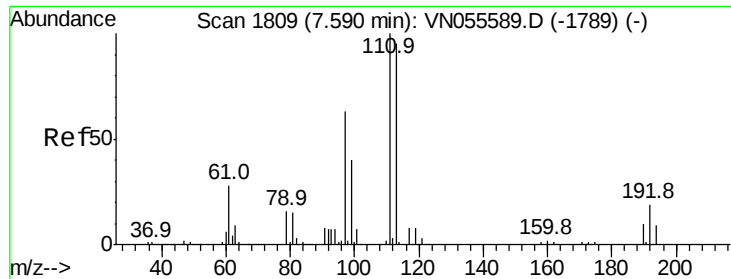
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	45.8
88	16.1	0.0	32.6





#35

Dibromofluoromethane

Concen: 4.685 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

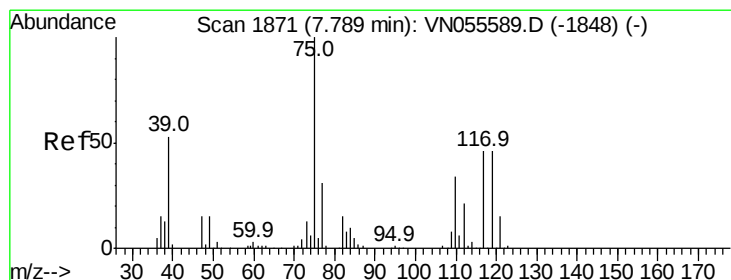
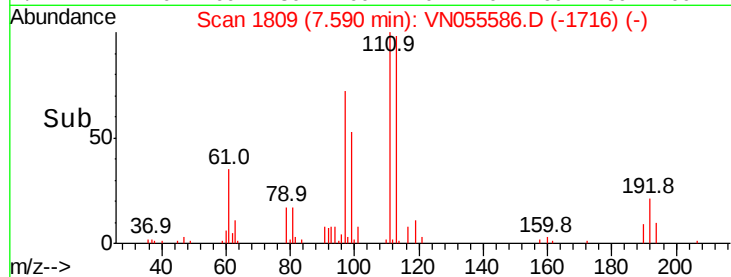
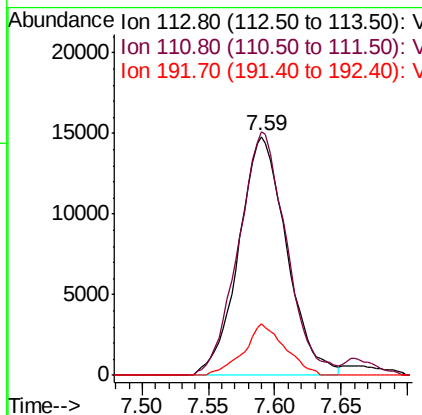
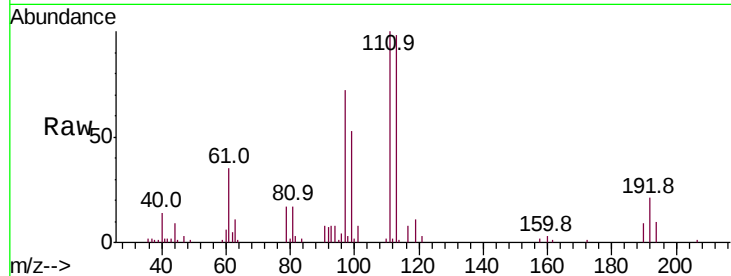
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	37144
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.5	125.3
192	18.5	16.0	24.0

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#36

1,1-Dichloropropene

Concen: 4.872 ug/l

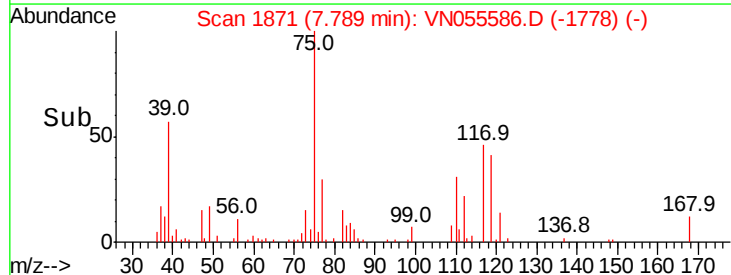
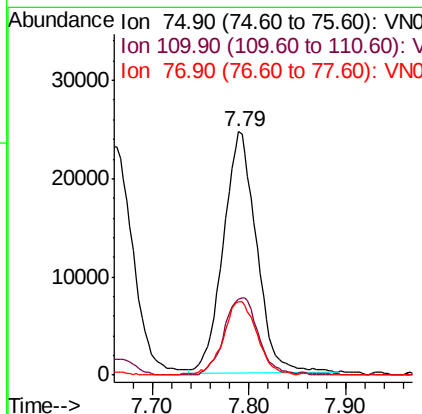
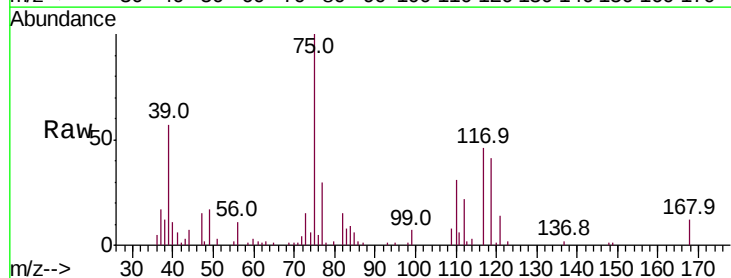
RT: 7.79 min Scan# 1871

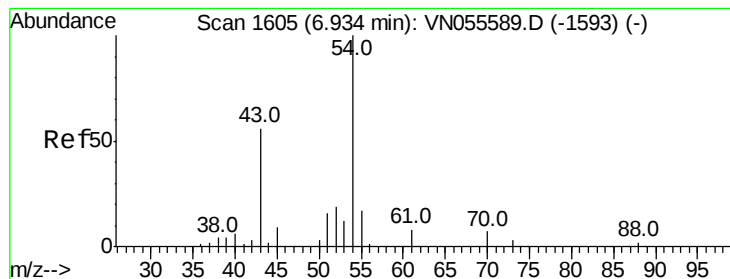
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	75	Resp:	58613
Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.9	50.7
77	30.8	24.9	37.3





#37

Ethyl Acetate

Concen: 4.339 ug/l

RT: 6.94 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

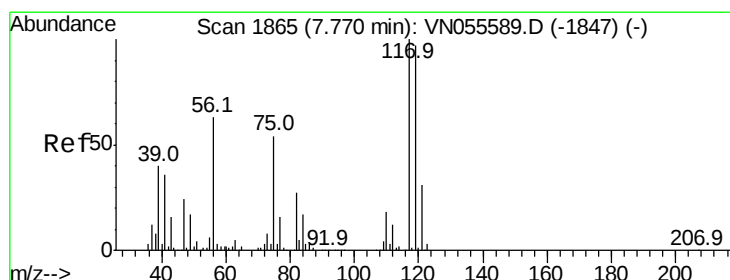
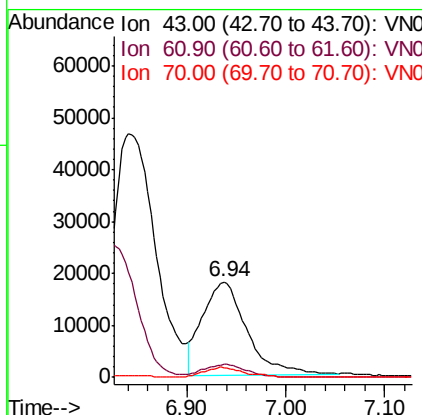
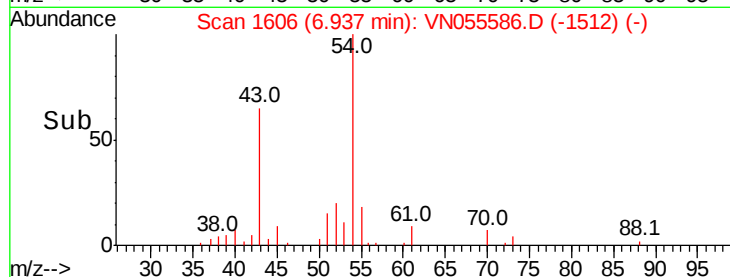
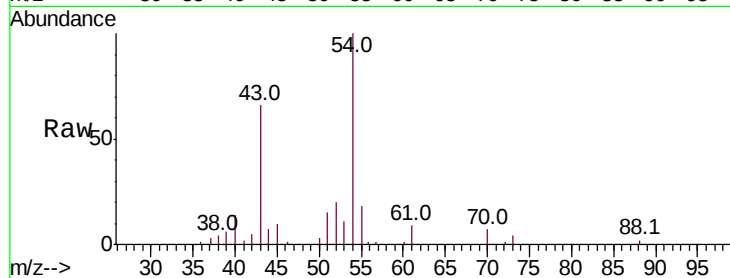
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	55830
Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.8	16.2
70	9.8	7.4	11.2

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#38

Carbon Tetrachloride

Concen: 4.890 ug/l

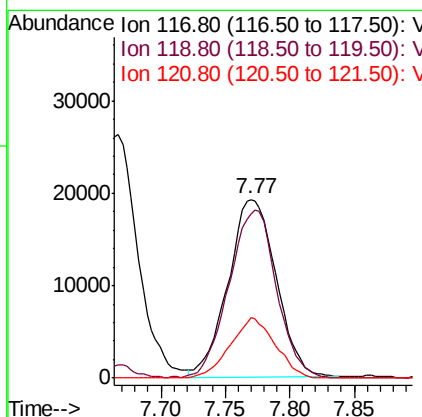
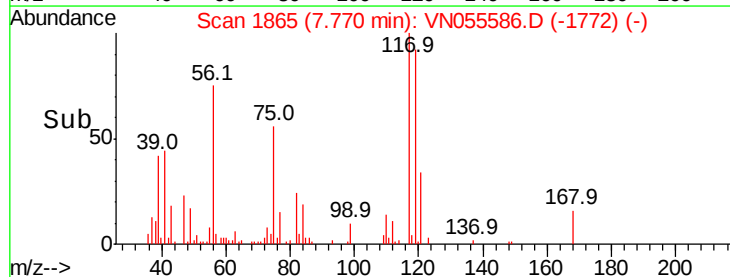
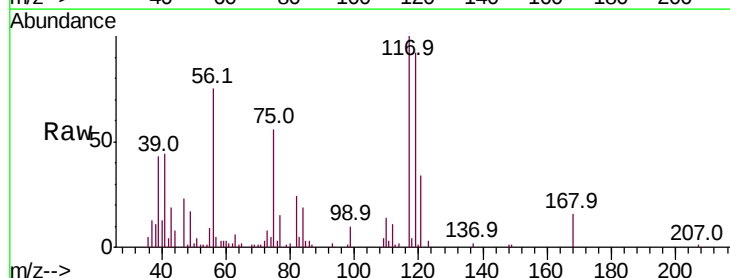
RT: 7.77 min Scan# 1865

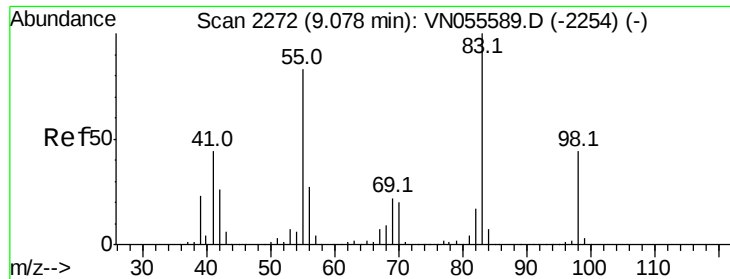
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	117	Resp:	49822
Ion	Ratio	Lower	Upper
117	100		
119	92.3	77.1	115.7
121	33.9	24.4	36.6





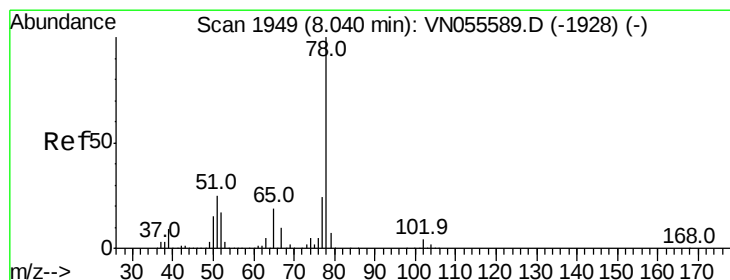
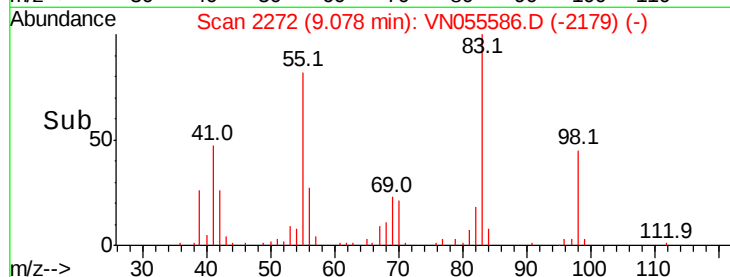
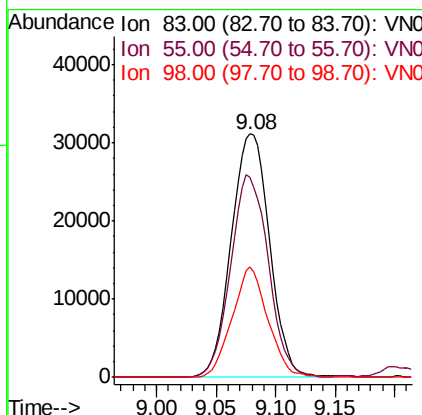
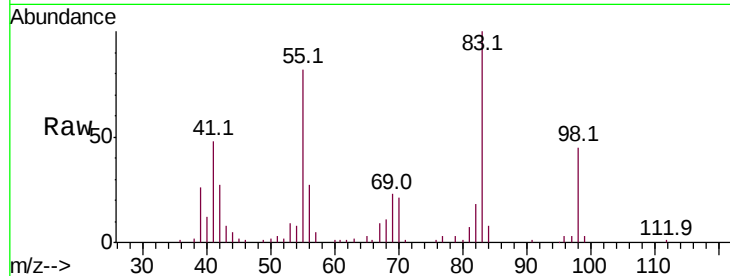
#39
Methvlcvclohexane
Concen: 4.763 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	69824
Ion Ratio	100	Lower	Upper
83	100		
55	82.1	66.3	99.5
98	45.3	34.8	52.2

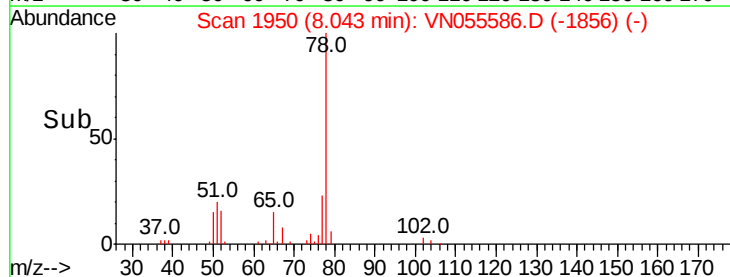
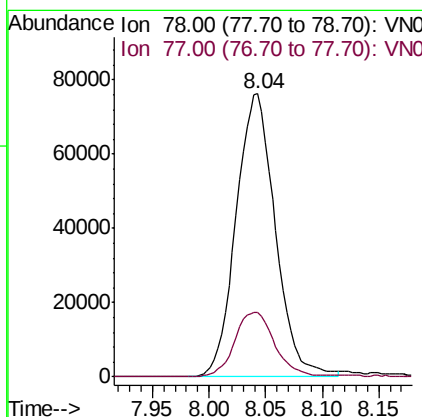
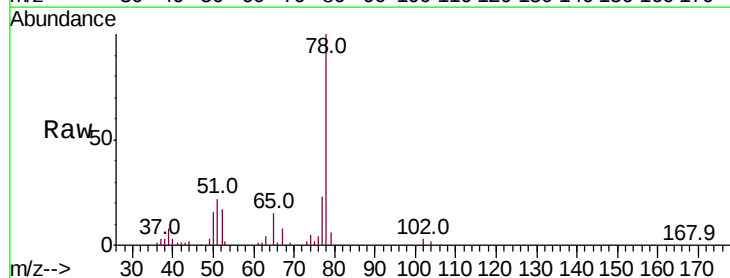
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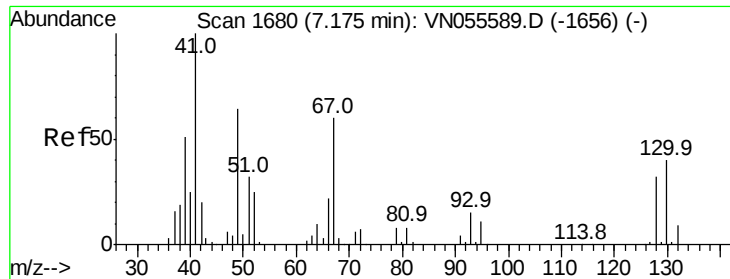
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#40
Benzene
Concen: 4.940 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	78	Resp	184249
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	18.9	28.3





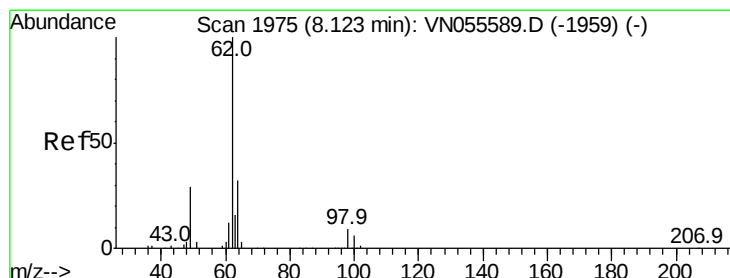
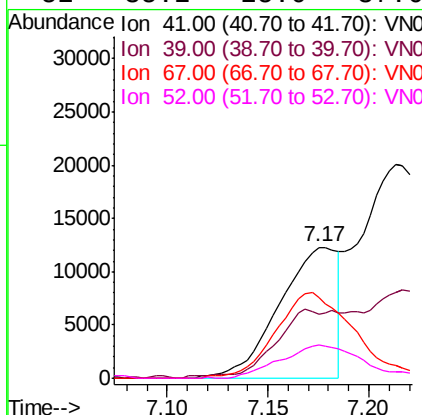
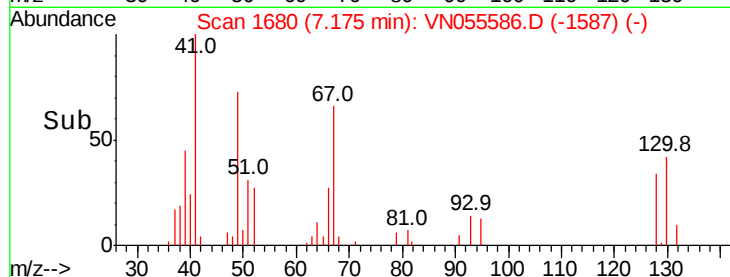
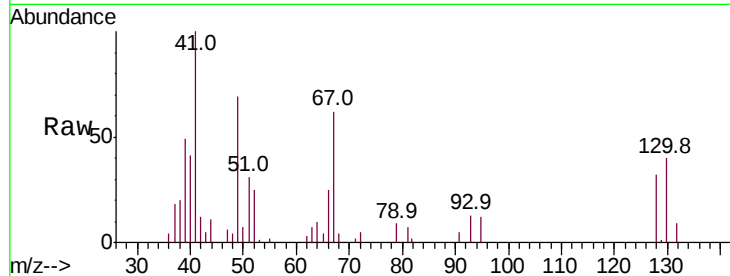
#41
Methacrylonitrile
Concen: 4.144 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	41	Resp	24686
Ion Ratio	Lower	Upper	
41	100		
39	39.4	44.1	66.1#
67	88.7	63.4	95.0
52	35.2	25.0	37.6

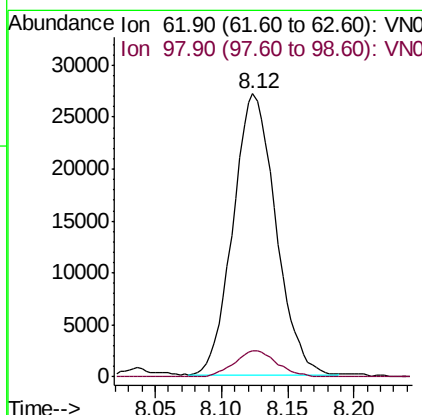
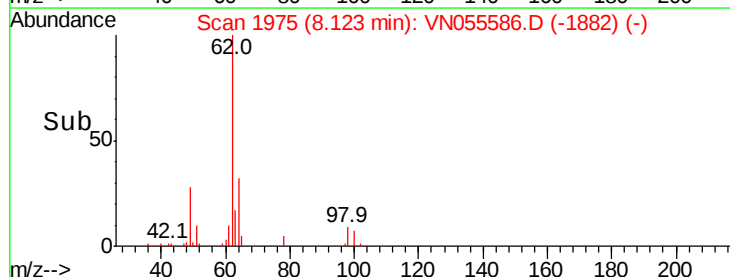
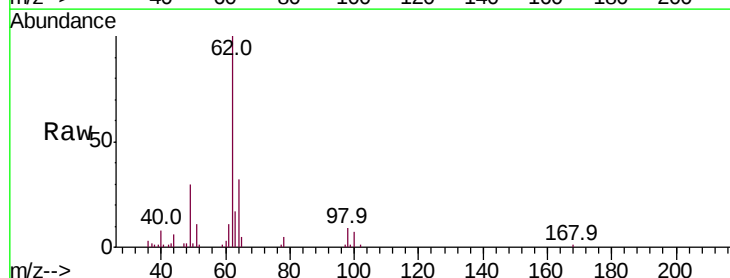
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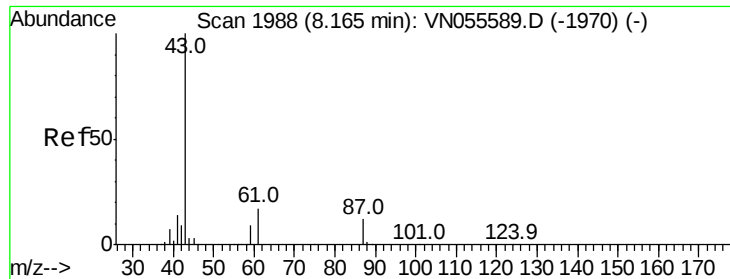
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.631 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	62	Resp	60460
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	18.0





#43

Isopropyl Acetate

Concen: 4.317 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

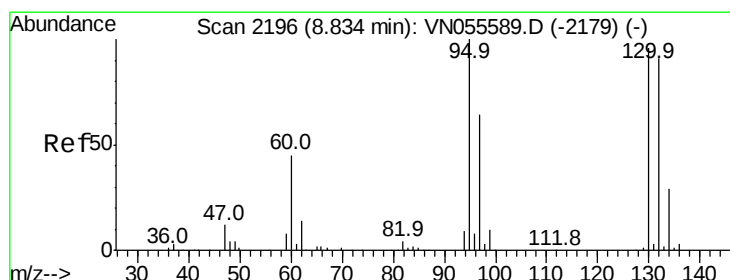
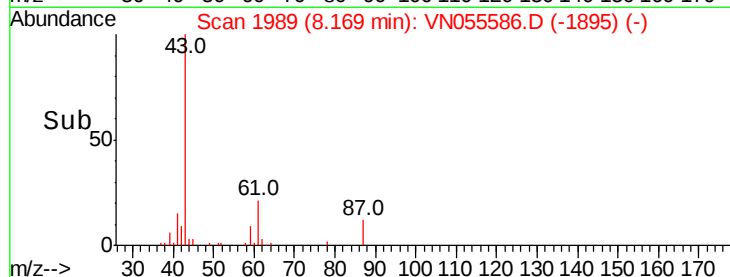
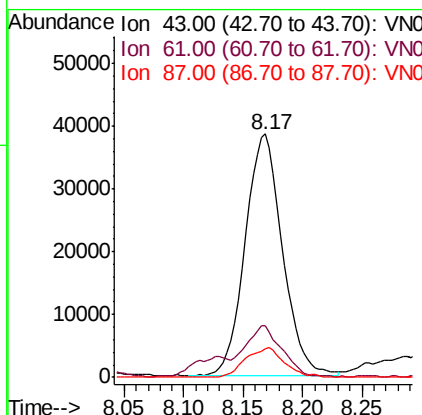
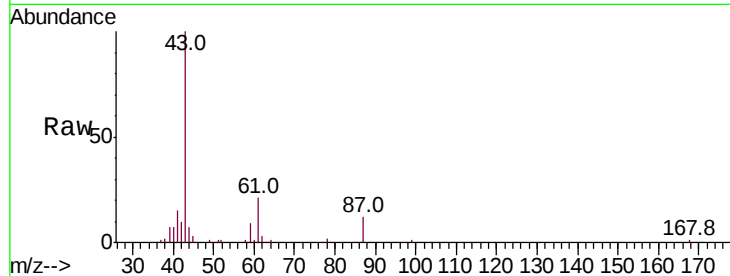
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	84124
Ion Ratio	Lower	Upper	
43	100		
61	19.6	16.1	24.1
87	12.6	9.6	14.4

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#44

Trichloroethene

Concen: 4.904 ug/l

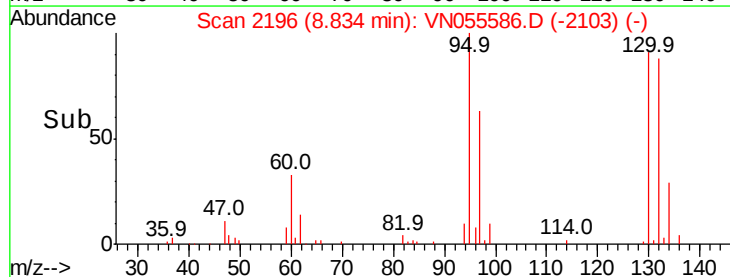
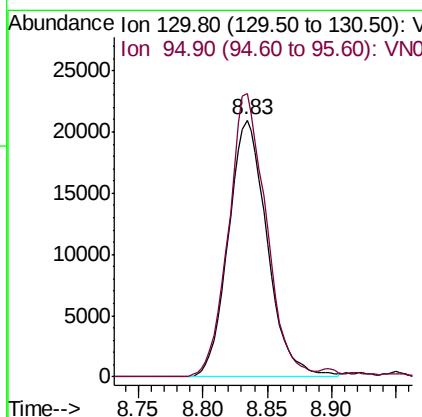
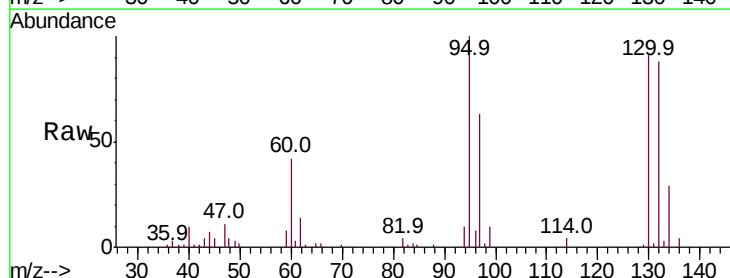
RT: 8.83 min Scan# 2196

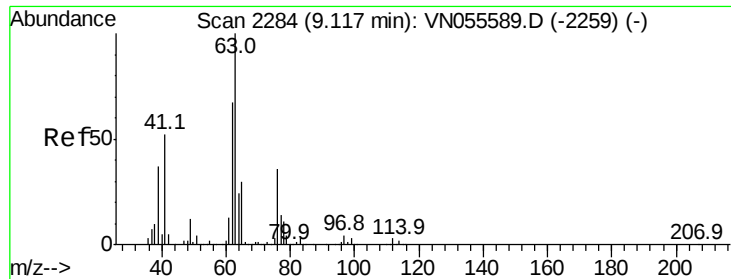
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	130	Resp:	43823
Ion Ratio	Lower	Upper	
130	100		
95	110.3	0.0	208.6





#45

1,2-Dichloropropane

Concen: 4.886 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 52026

Ion Ratio Lower Upper

63 100

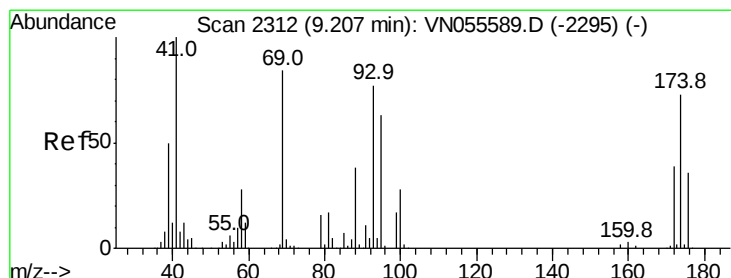
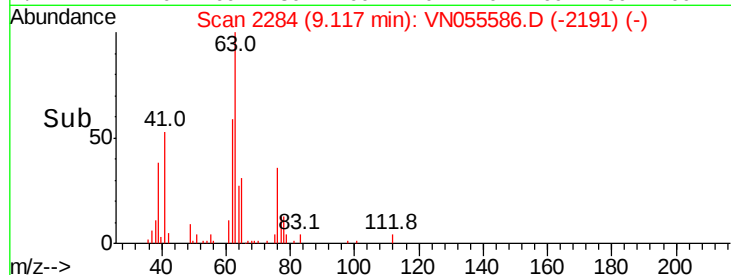
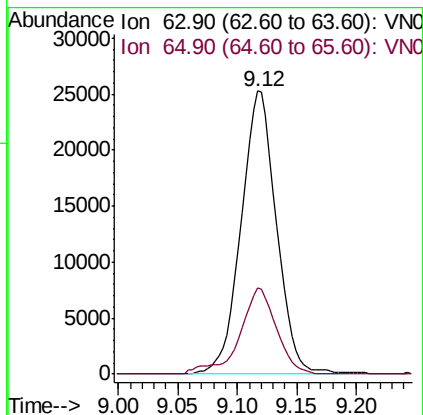
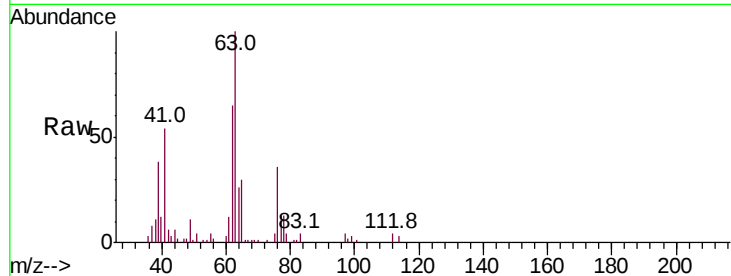
65 30.3 24.1 36.1

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#46

Dibromomethane

Concen: 4.735 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

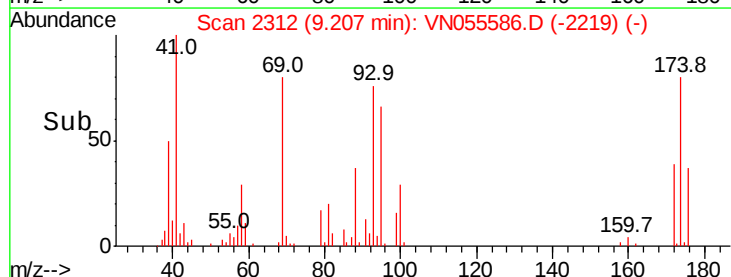
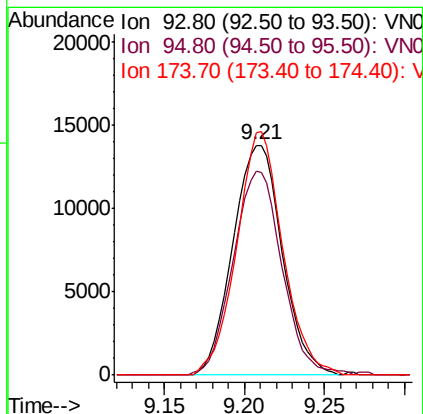
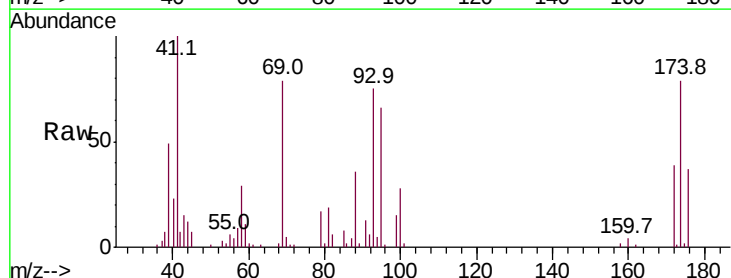
Tgt Ion: 93 Resp: 29200

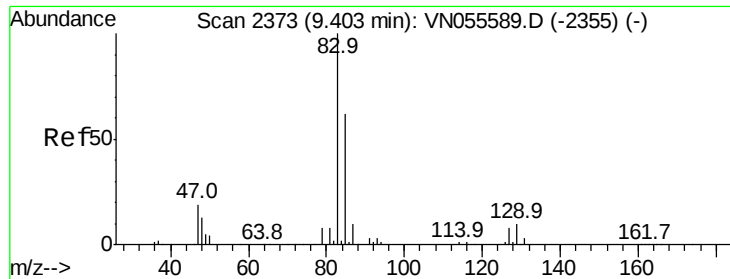
Ion Ratio Lower Upper

93 100

95 87.8 66.6 100.0

174 98.7 78.4 117.6





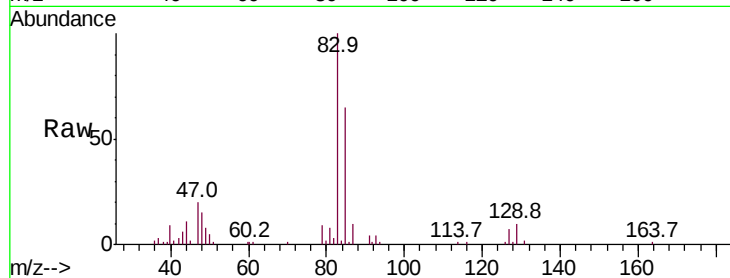
#47
 Bromodichloromethane
 Concen: 4.634 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

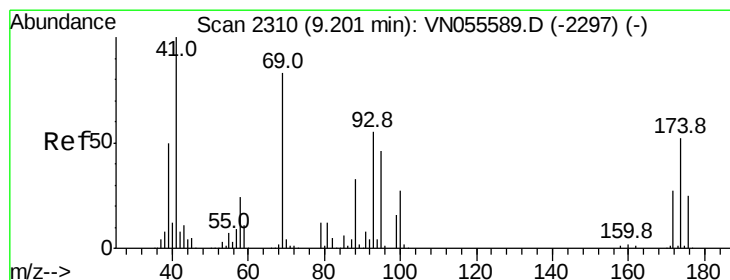
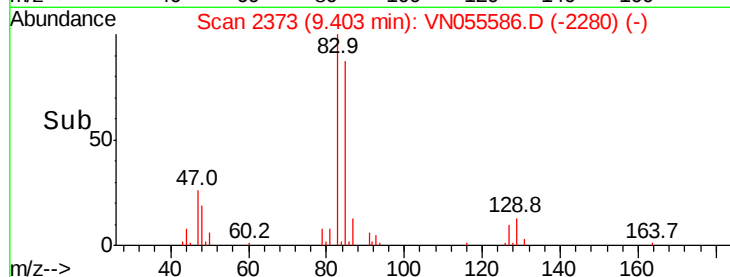
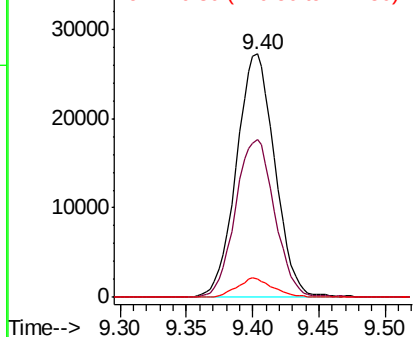
Tot Ion	83	Resp	54896
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	49.6	74.4
127	7.5	6.6	9.8

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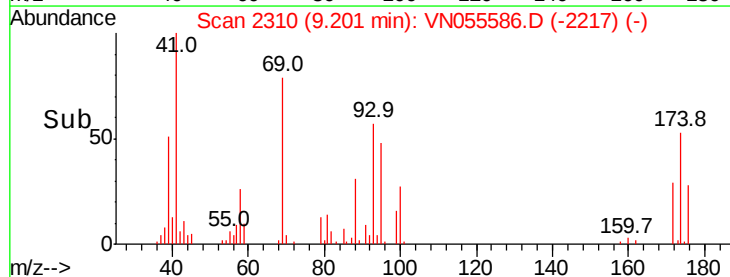
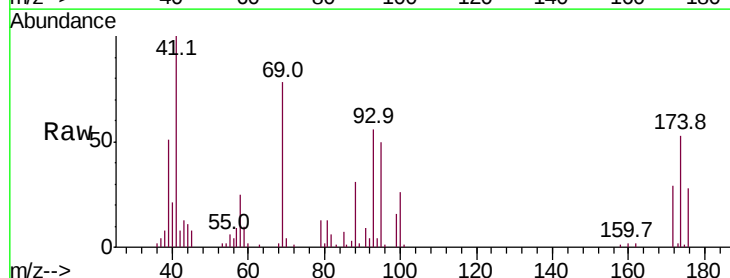
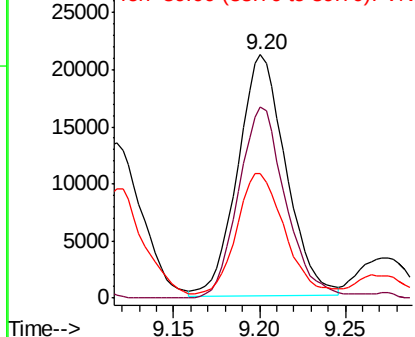
Abundance Ion 82.90 (82.60 to 83.60): VN055586.D (-2280) (-)
 Ion 84.90 (84.60 to 85.60): VN055586.D (-2280) (-)
 Ion 126.80 (126.50 to 127.50): VN055586.D (-2280) (-)

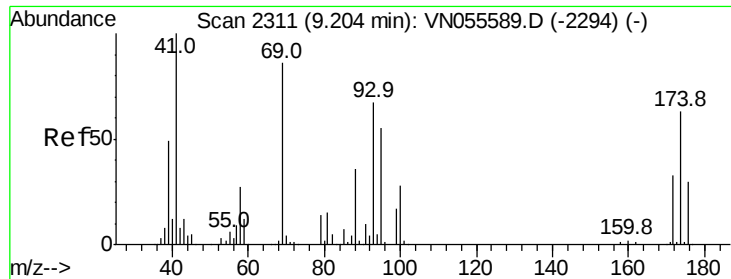


#48
 Methyl methacrylate
 Concen: 4.362 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	41	Resp	41082
Ion Ratio	100	Lower	Upper
41	100		
69	77.6	65.7	98.5
39	50.9	40.2	60.4

Abundance Ion 41.00 (40.70 to 41.70): VN055586.D (-2217) (-)
 Ion 69.00 (68.70 to 69.70): VN055586.D (-2217) (-)
 Ion 39.00 (38.70 to 39.70): VN055586.D (-2217) (-)





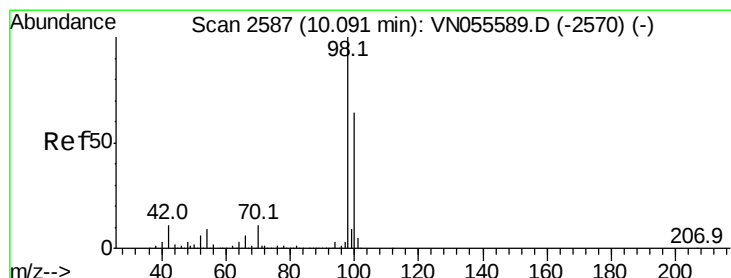
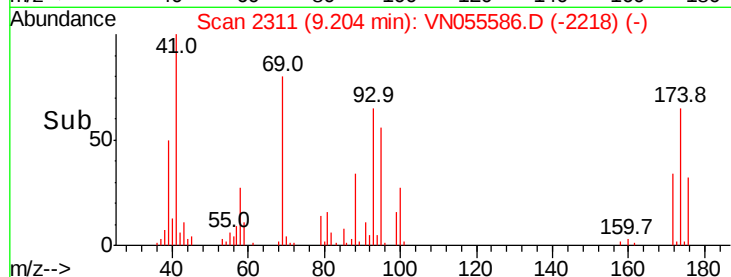
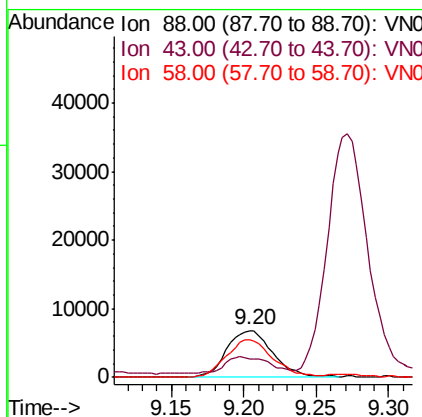
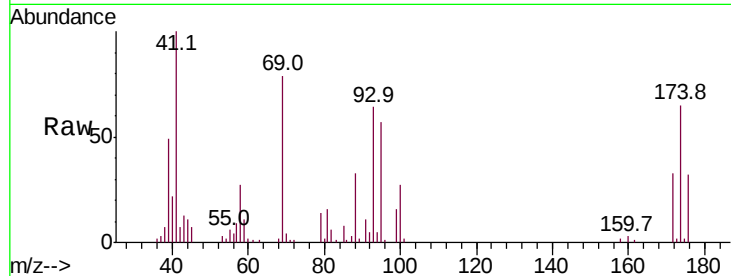
#49
1,4-Dioxane
Concen: 82.916 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	25.4	38.0
58	80.6	59.4	89.2

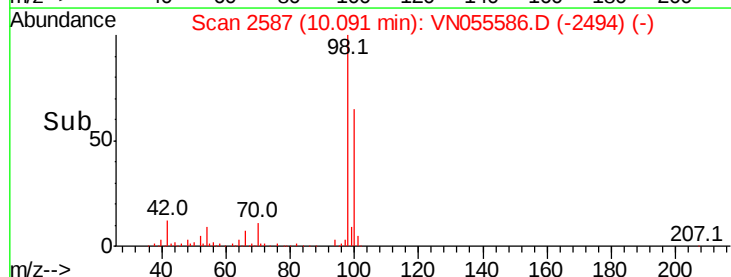
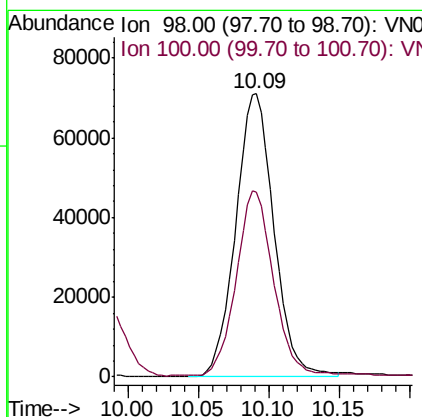
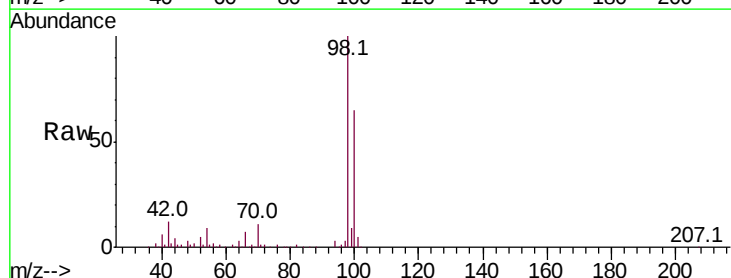
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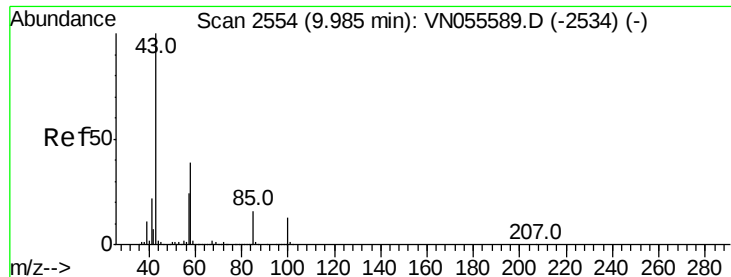
MMDadoda
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#50
Toluene-d8
Concen: 4.373 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 21.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 273229

Ion Ratio Lower Upper

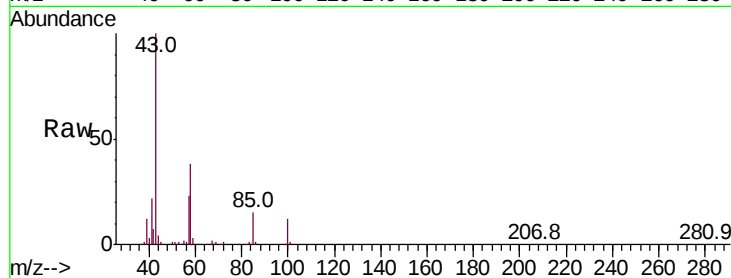
43 100

58 37.2 30.6 46.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

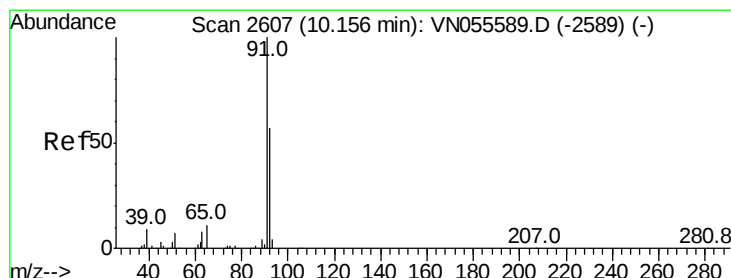
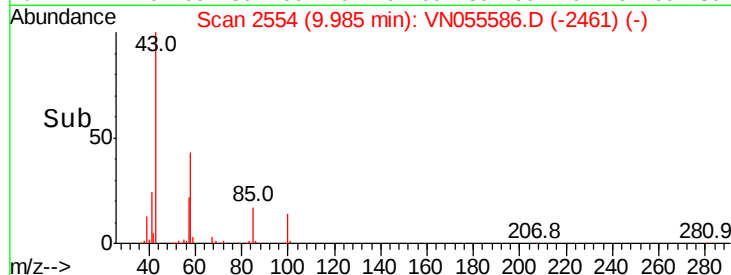
100000

50000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 4.737 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055586.D

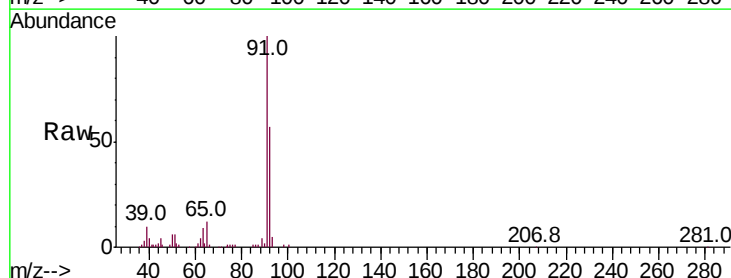
Acq: 14 May 2019 11:32

Tgt Ion: 92 Resp: 101114

Ion Ratio Lower Upper

92 100

91 178.2 141.5 212.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

100000

80000

60000

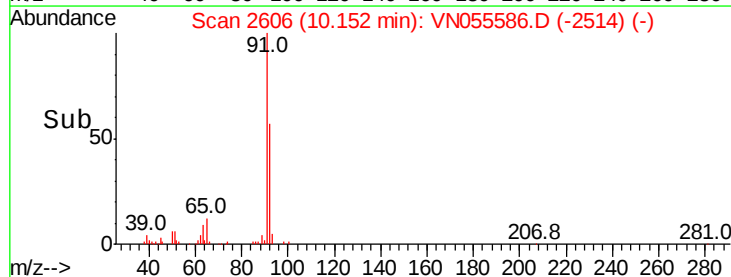
40000

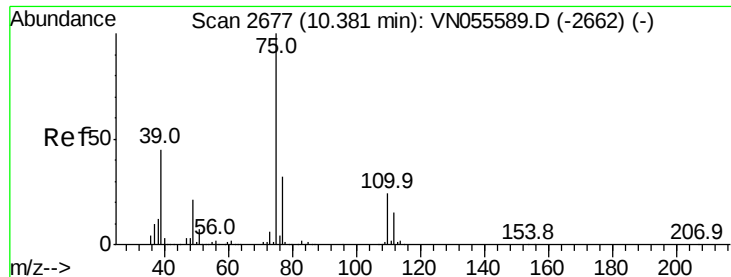
20000

0

10.10 10.15 10.20

Time-->





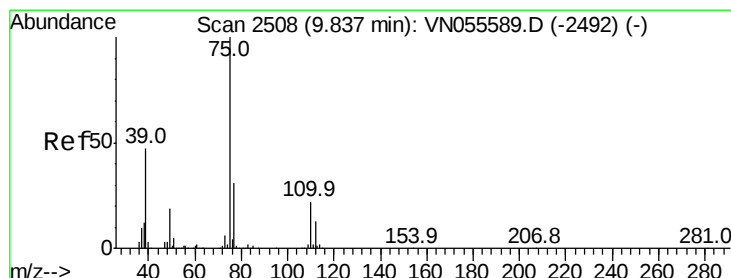
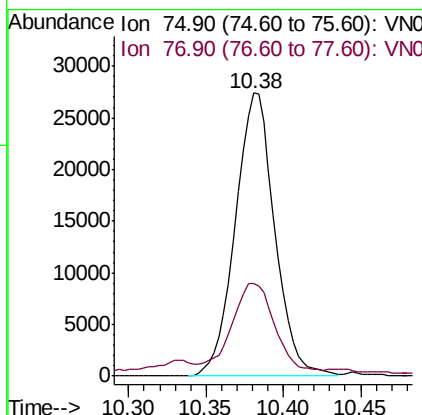
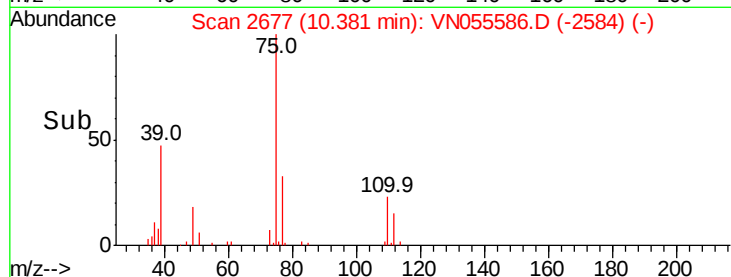
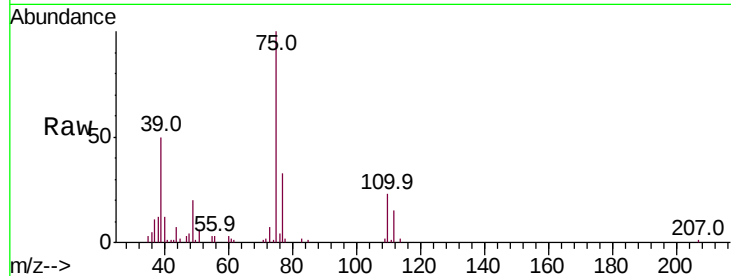
#53
t-1,3-Dichloropropene
Concen: 4.296 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 48648
Ion Ratio Lower Upper
75 100
77 30.6 25.5 38.3

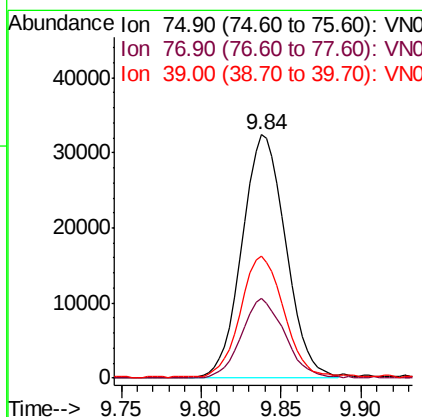
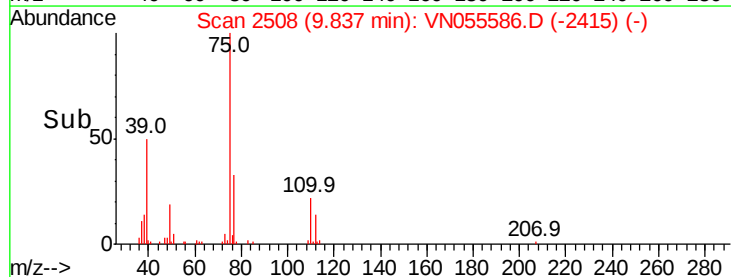
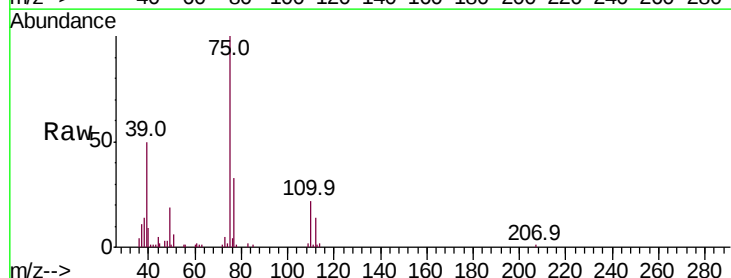
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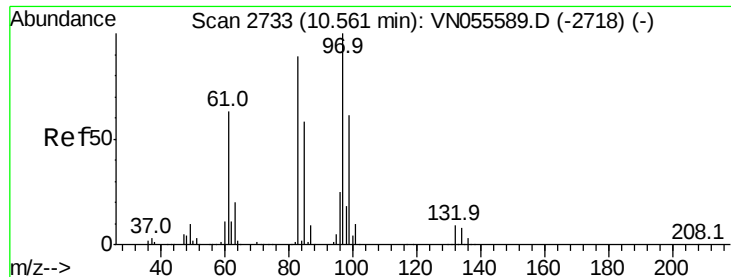
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#54
cis-1,3-Dichloropropene
Concen: 4.463 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion: 75 Resp: 60599
Ion Ratio Lower Upper
75 100
77 32.9 24.5 36.7
39 49.6 37.7 56.5





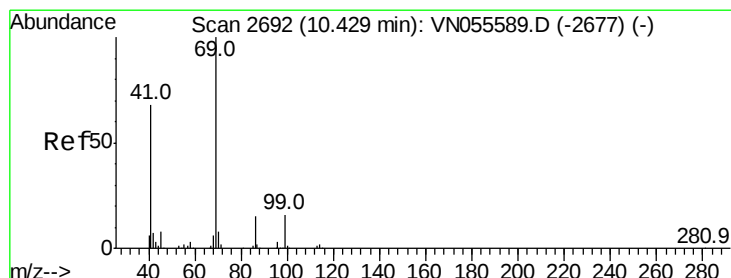
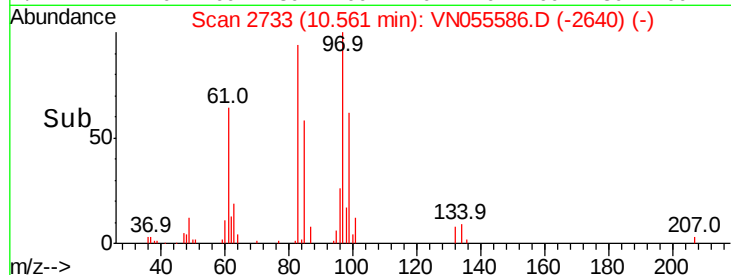
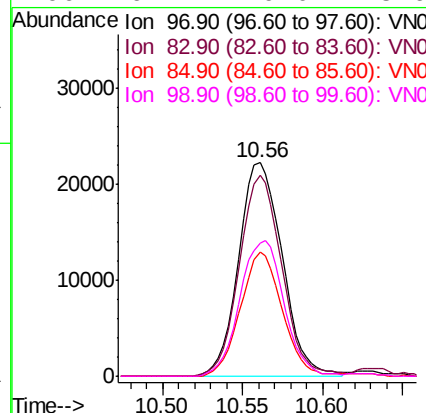
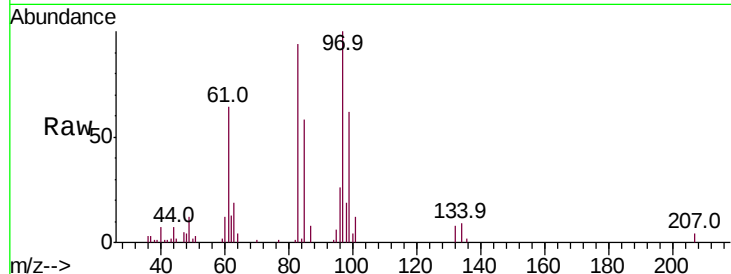
#55
 1,1,2-Trichloroethane
 Concen: 4.799 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.1	71.5	107.3
85	58.1	46.2	69.4
99	62.1	49.0	73.6

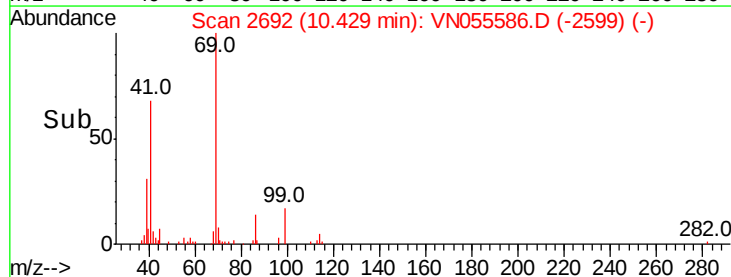
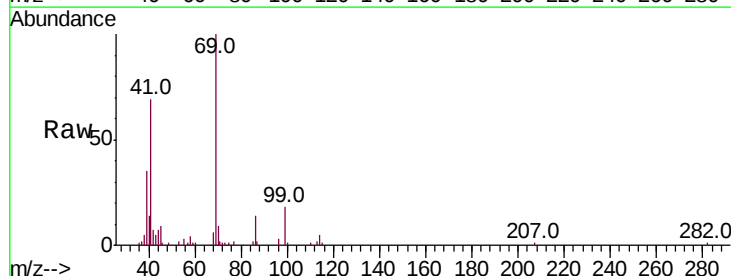
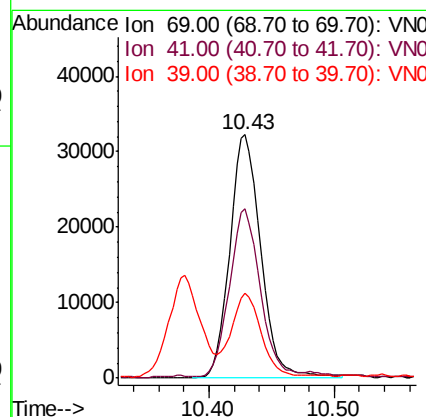
Manual Integrations
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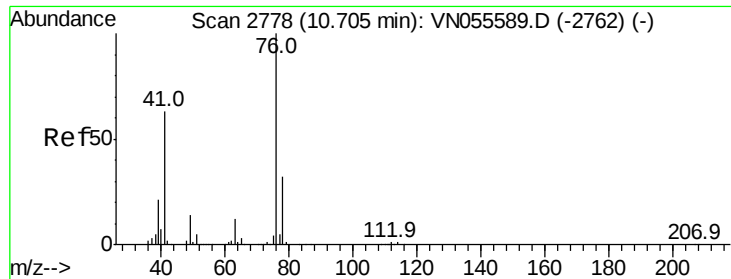
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#56
 Ethyl methacrylate
 Concen: 4.353 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.6	54.6	82.0
39	32.9	25.5	38.3





#57

1,3-Dichloropropane

Concen: 4.638 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

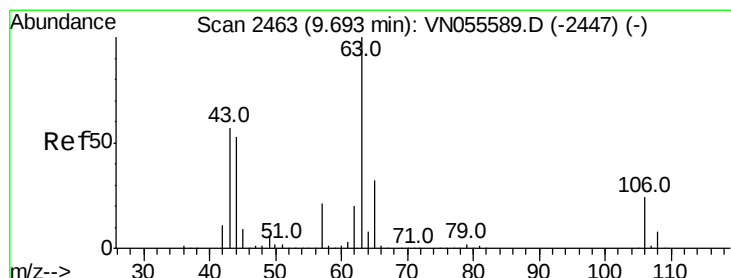
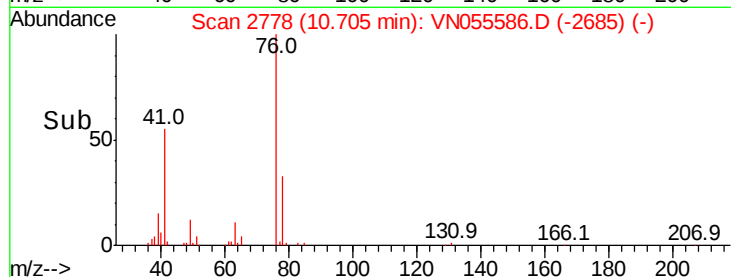
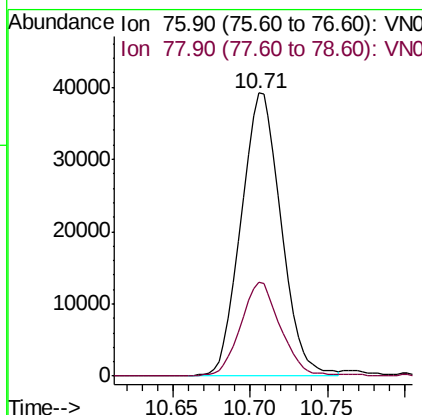
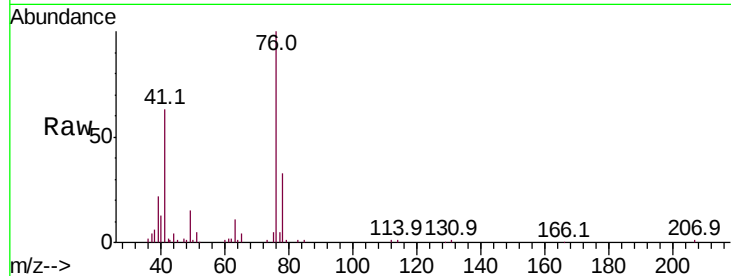
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 70816

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.6	38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 18.274 ug/l

RT: 9.70 min Scan# 2464

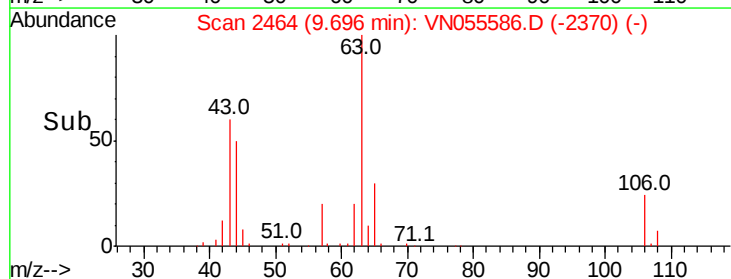
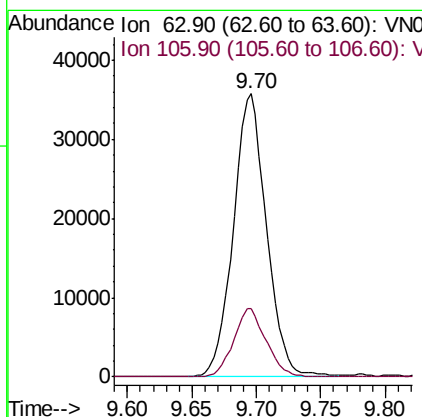
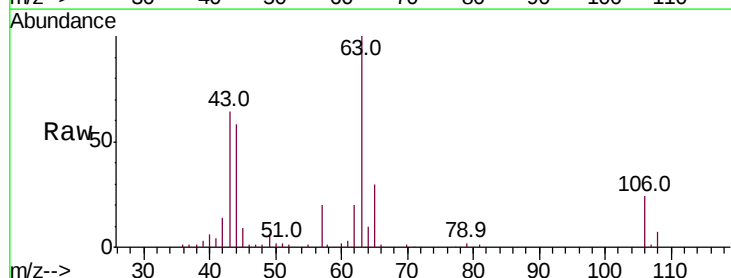
Delta R.T. 0.00 min

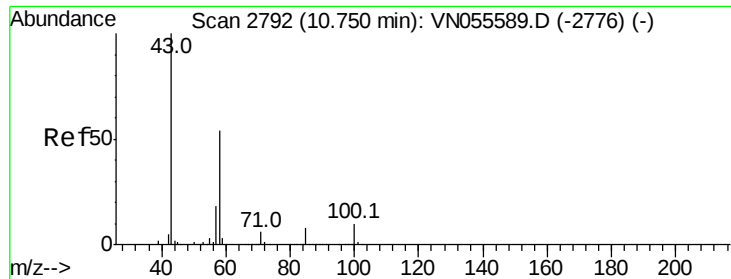
Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion: 63 Resp: 63994

Ion	Ratio	Lower	Upper
63	100		
106	23.5	19.0	28.4





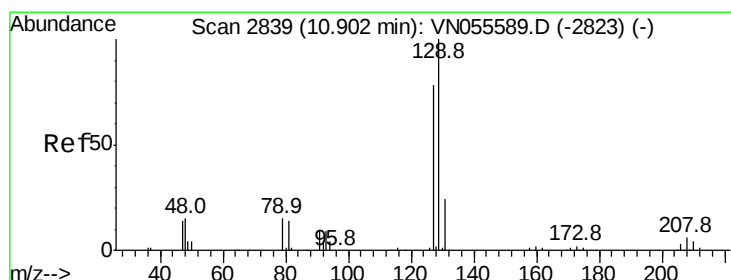
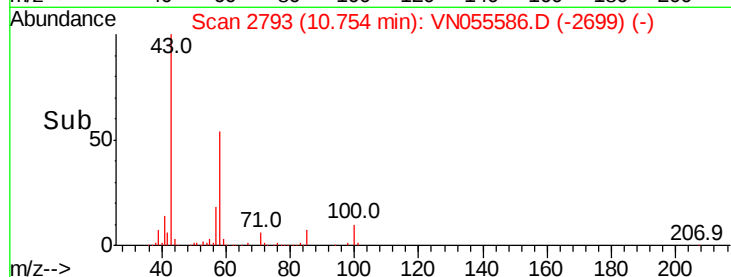
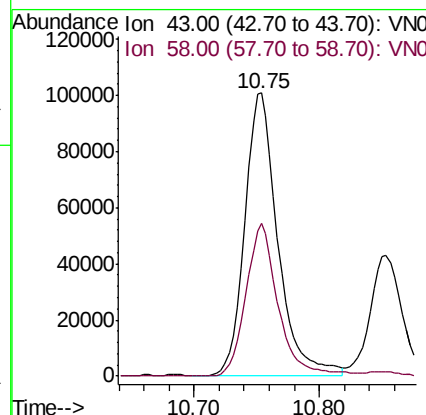
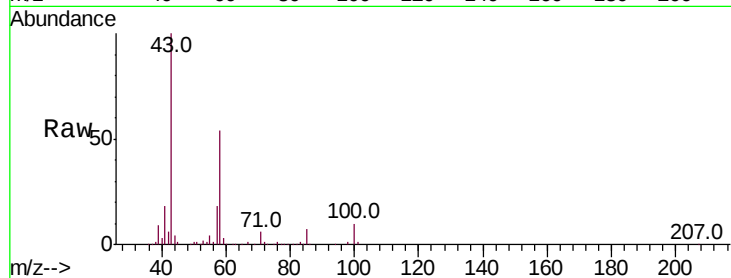
#59
2-Hexanone
Concen: 20.481 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.0	80.8

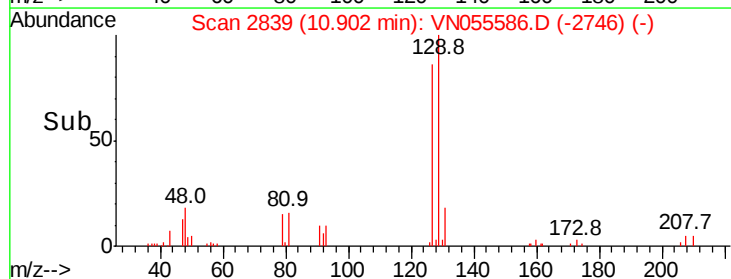
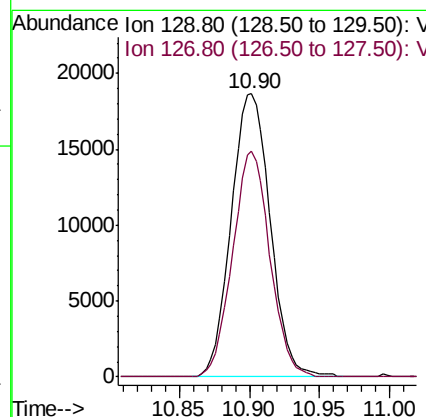
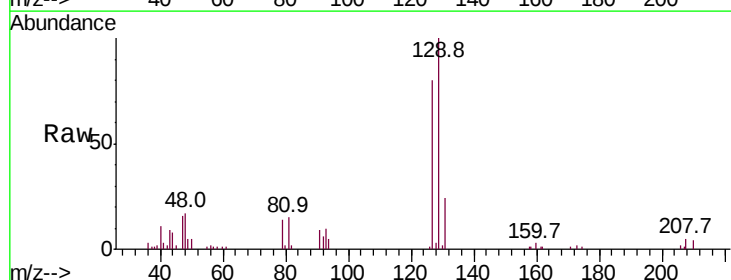
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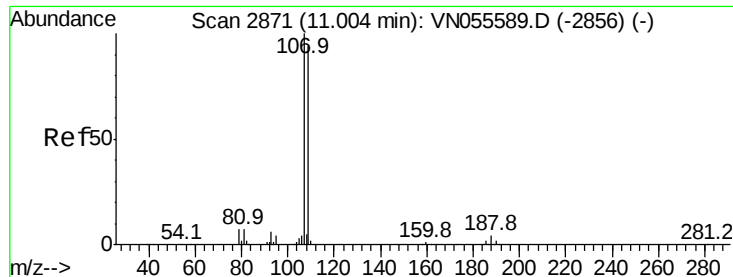
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#60
Dibromochloromethane
Concen: 4.603 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.1	117.2





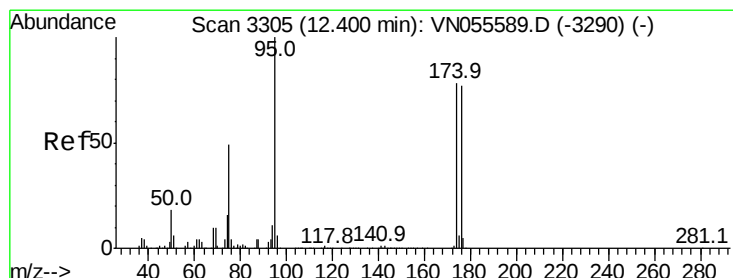
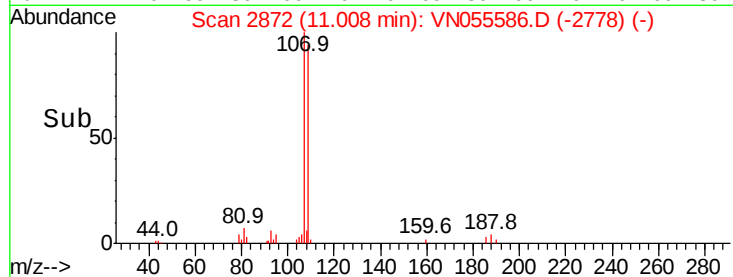
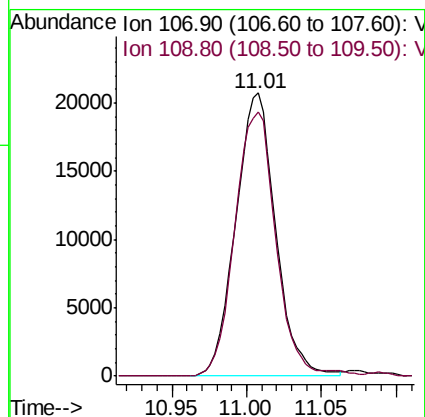
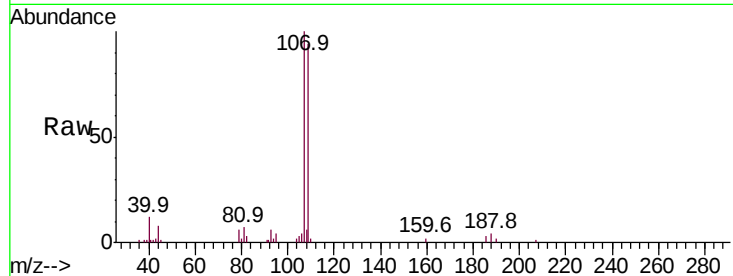
#61
 1,2-Dibromoethane
 Concen: 4.645 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.8	113.8

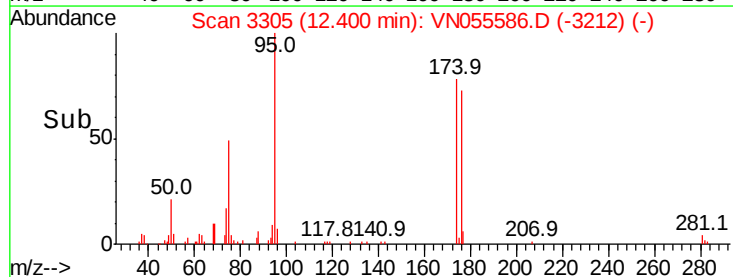
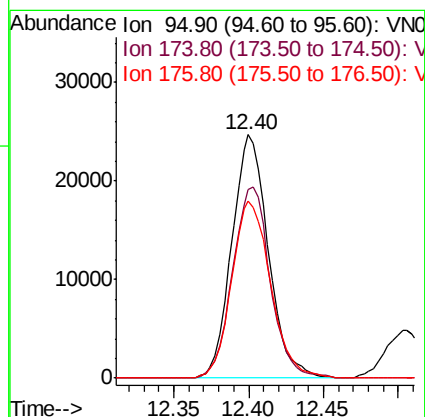
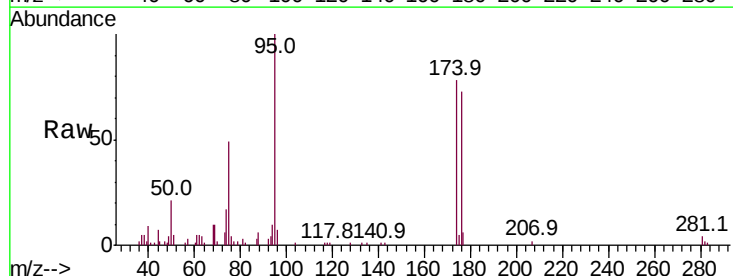
Manual Integrations
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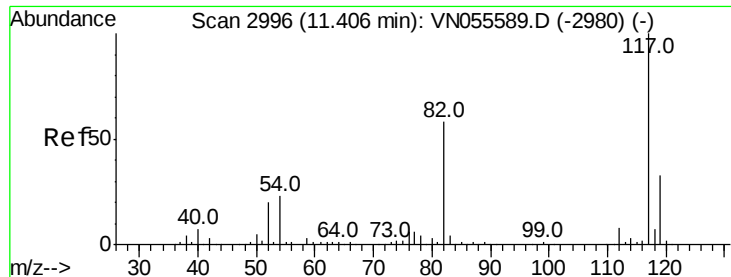
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 4.065 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.1	0.0	158.4
176	77.6	0.0	153.4





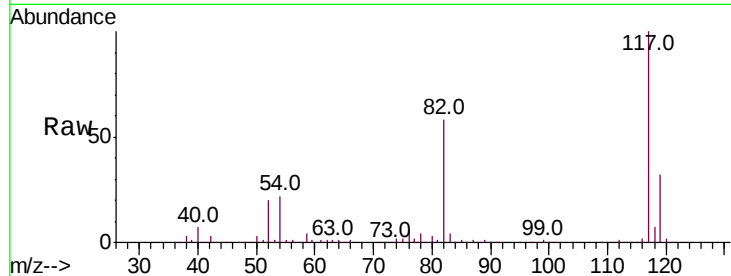
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

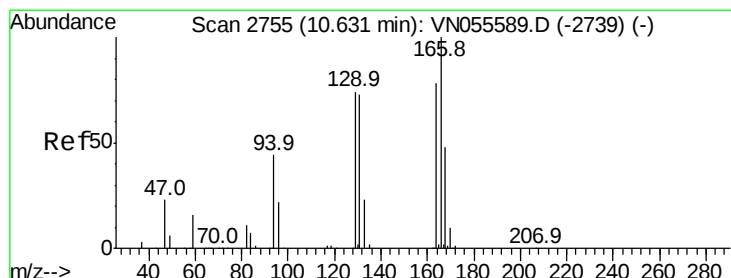
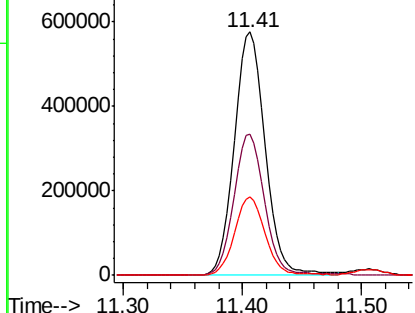
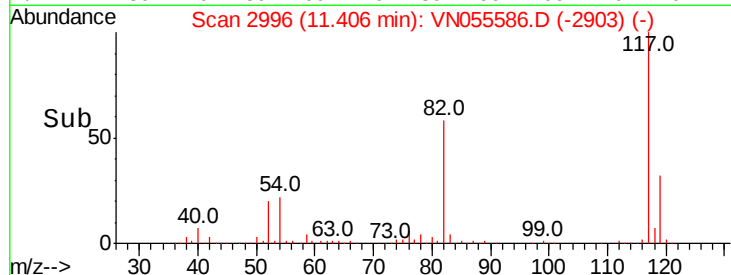
Tot Ion:117 Resp: 1039008
Ion Ratio Lower Upper
117 100
82 58.1 46.7 70.1
119 32.1 26.0 39.0

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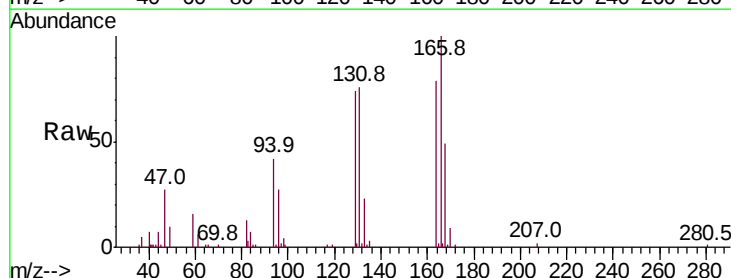


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

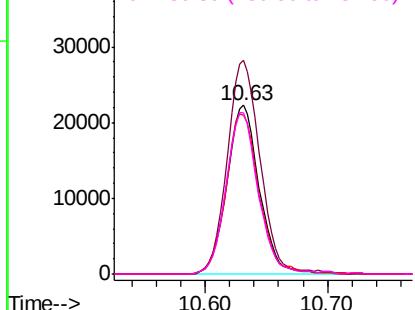
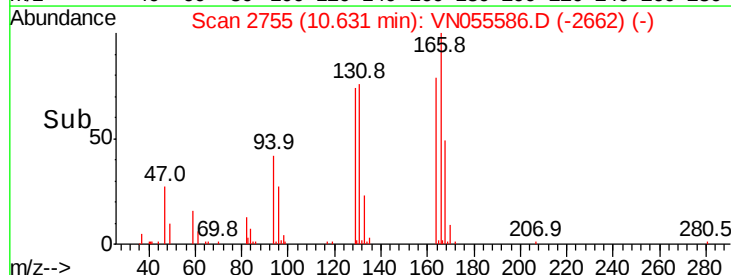


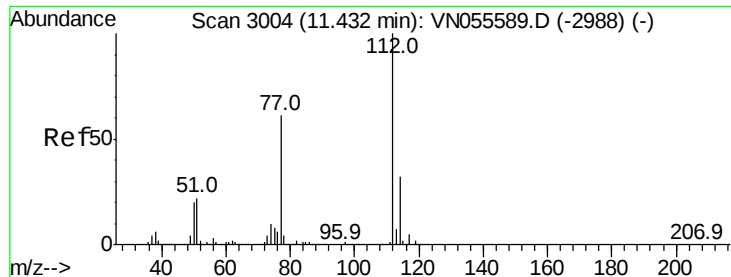
#64
Tetrachloroethene
Concen: 4.867 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion:164 Resp: 41347
Ion Ratio Lower Upper
164 100
166 126.6 102.1 153.1
129 94.0 75.8 113.8
131 95.9 74.6 111.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





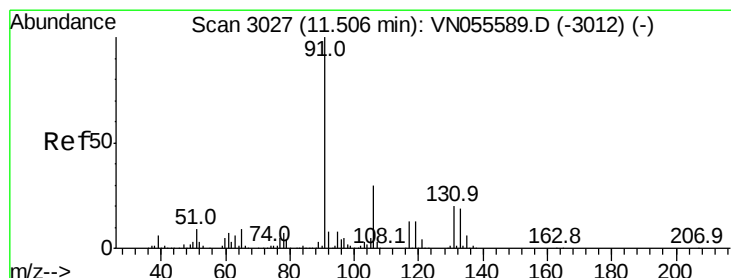
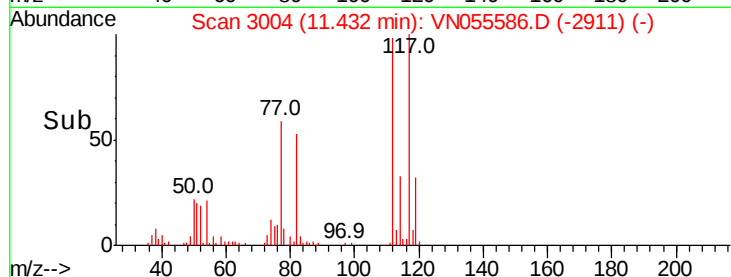
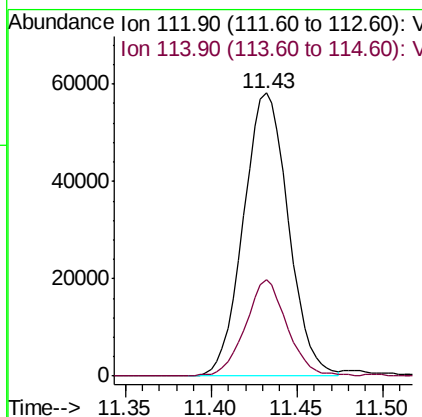
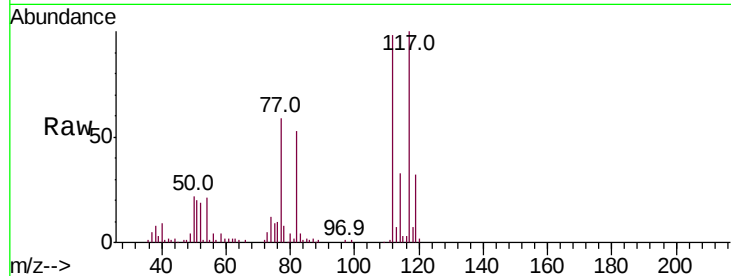
#65
Chlorobenzene
Concen: 4.953 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.4	38.2

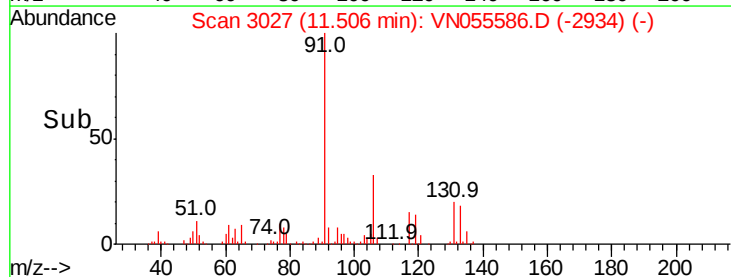
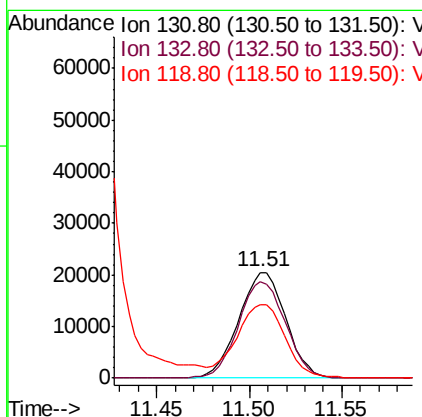
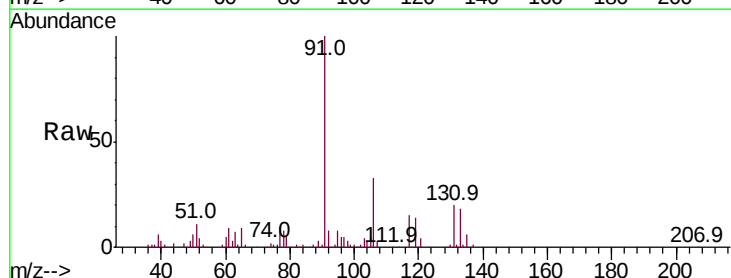
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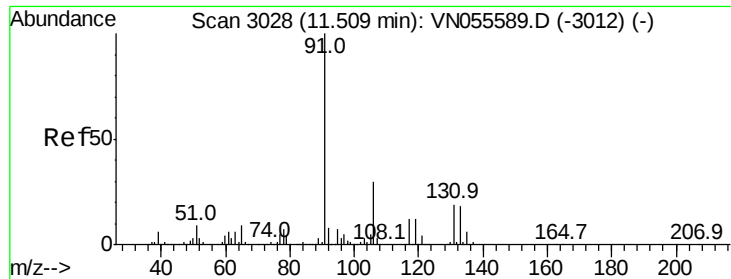
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.872 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.8	47.6	142.9
119	73.0	34.2	102.5





#67

Ethyl Benzene

Concen: 4.693 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 187047

Ion Ratio Lower Upper

91 100

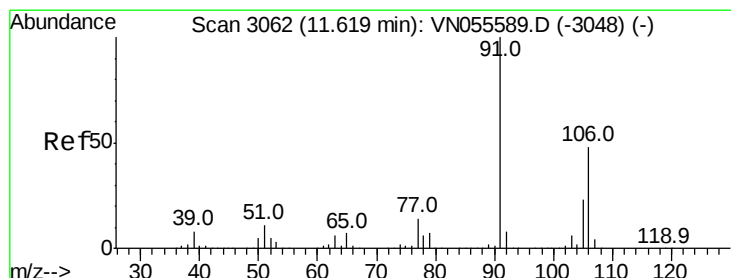
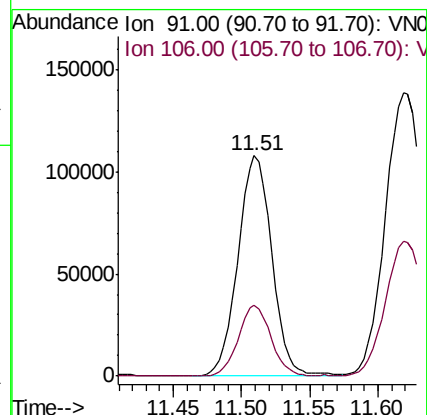
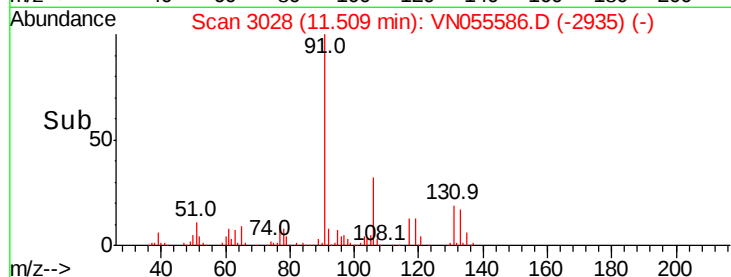
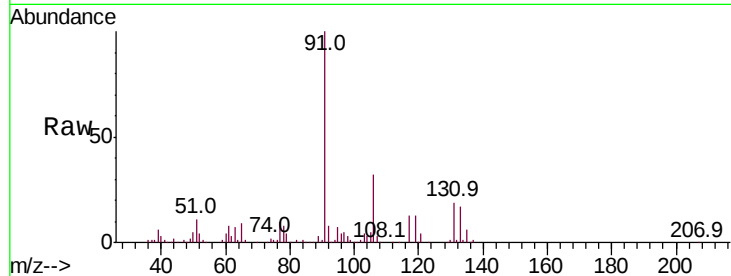
106 32.1 24.1 36.1

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#68

m/p-Xylenes

Concen: 9.350 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN055586.D

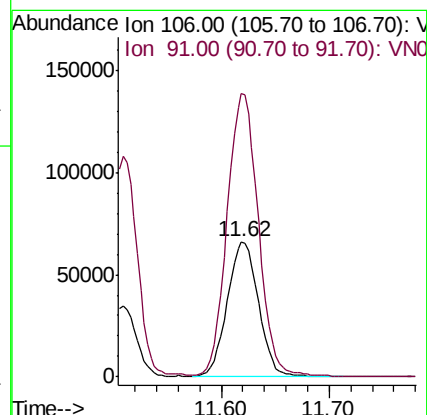
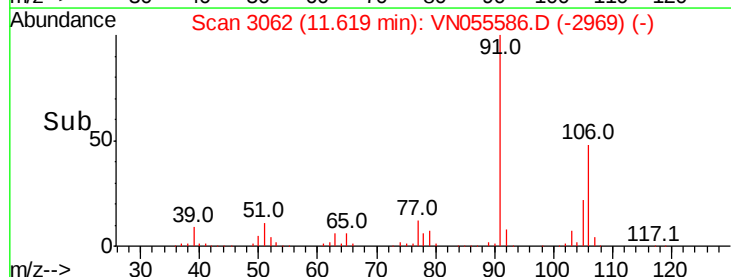
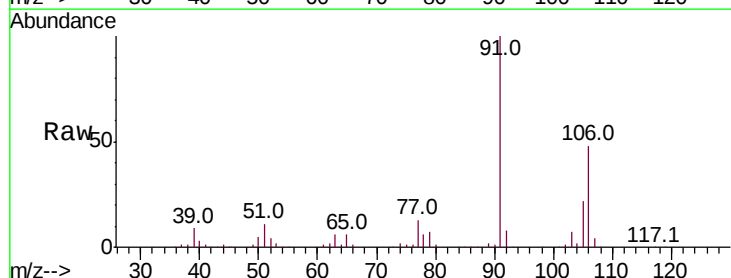
Acq: 14 May 2019 11:32

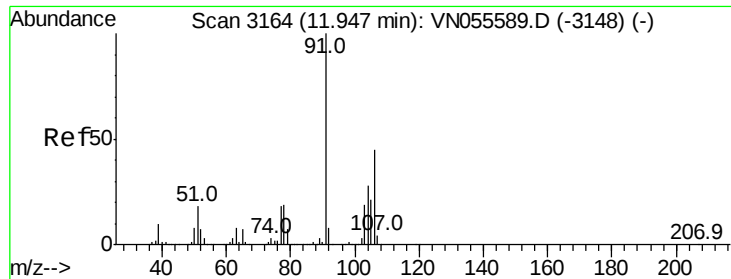
Tgt Ion: 106 Resp: 134123

Ion Ratio Lower Upper

106 100

91 209.6 167.5 251.3





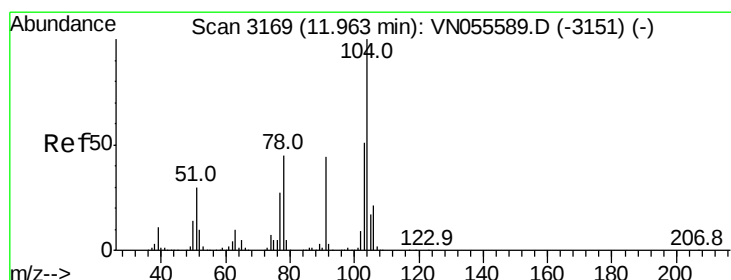
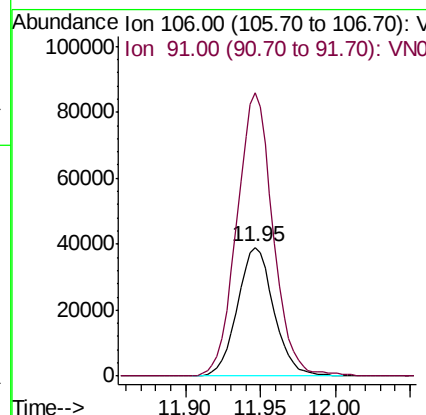
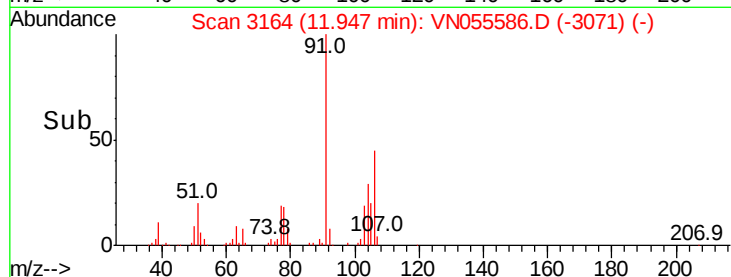
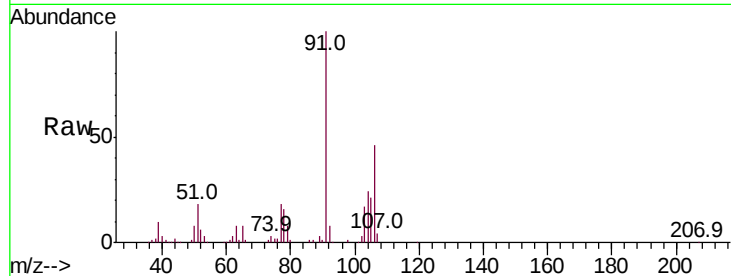
#69
o-Xylene
Concen: 4.702 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 66200
Ion Ratio Lower Upper
106 100
91 218.5 110.2 330.6

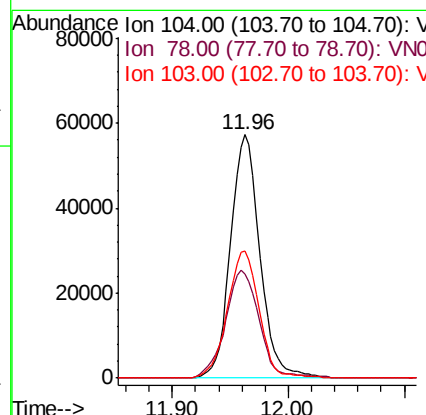
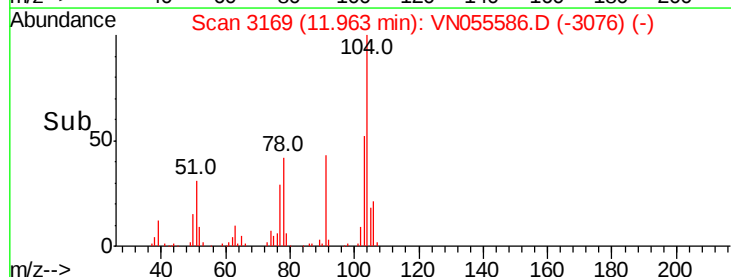
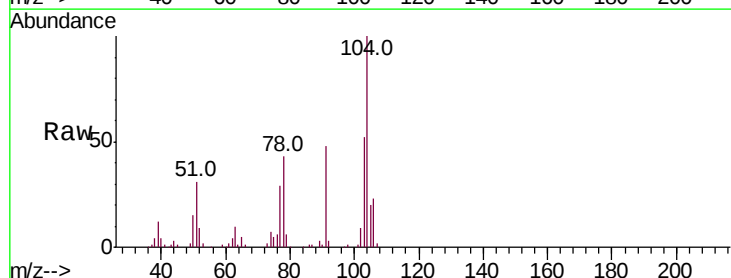
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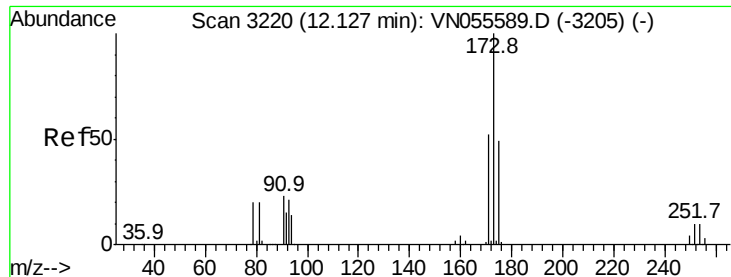
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#70
Styrene
Concen: 4.456 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion:104 Resp: 100268
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 56.4 44.6 67.0





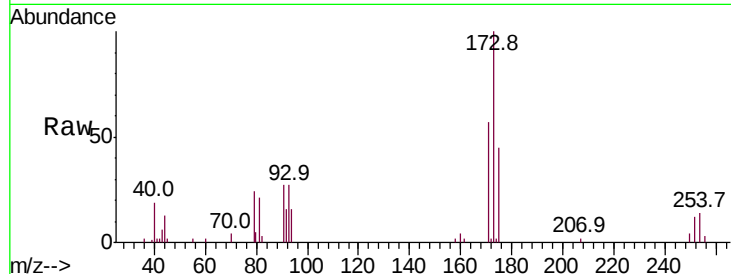
#71
Bromoform
Concen: 4.392 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

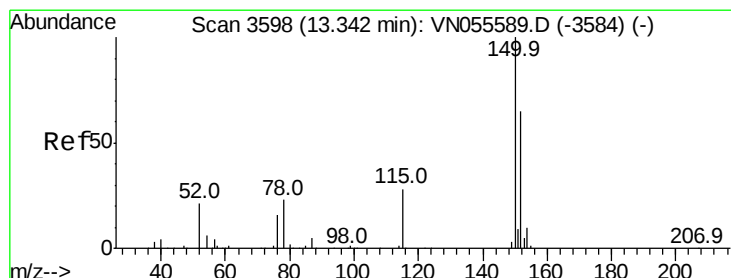
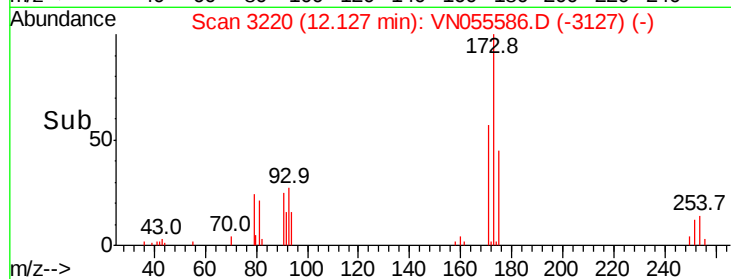
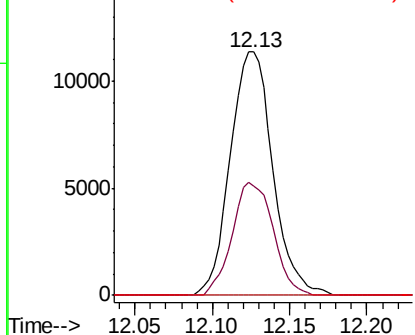
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.8	24.4	73.4
254	0.0	0.1	0.1#

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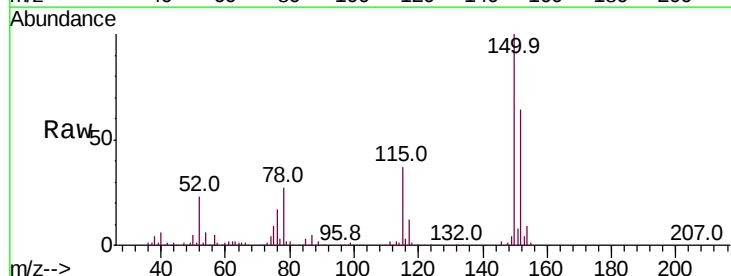


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

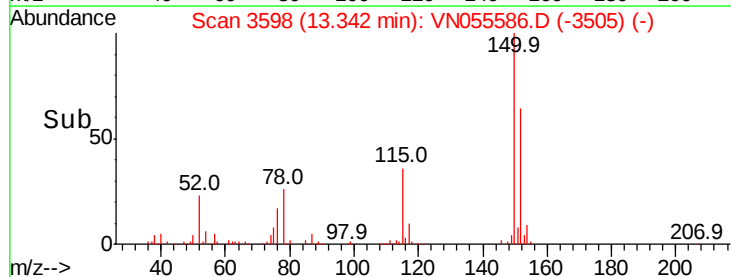
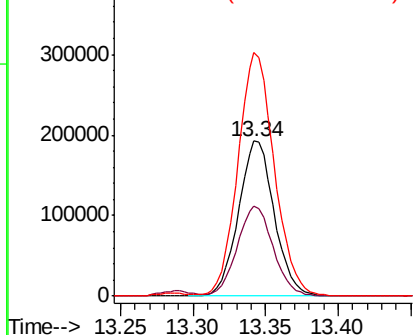


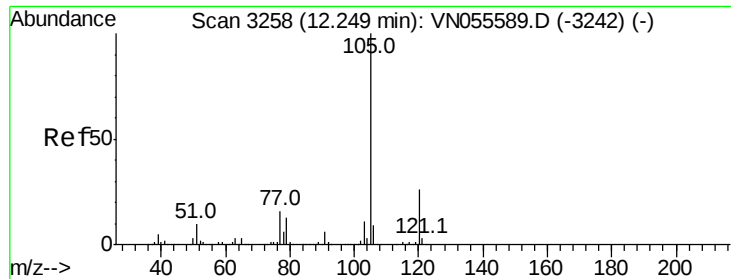
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.8	89.4
150	159.3	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





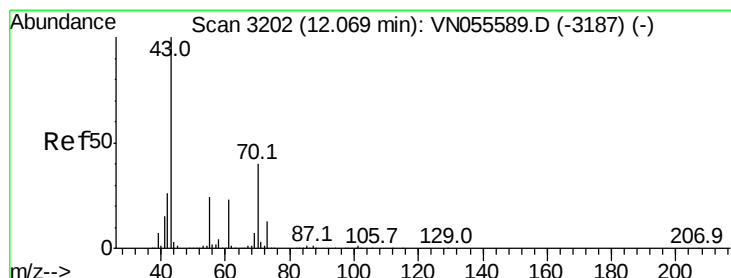
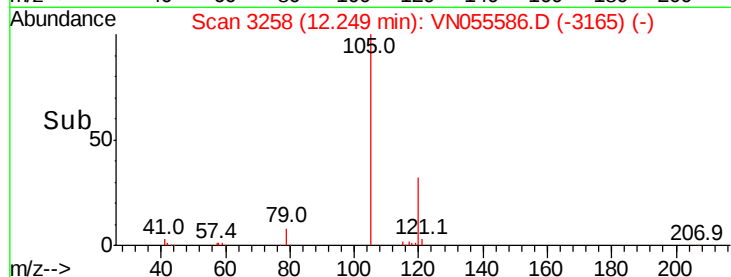
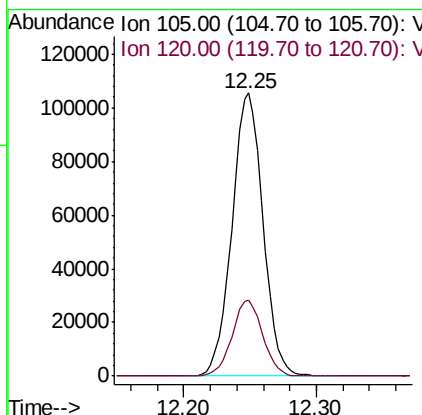
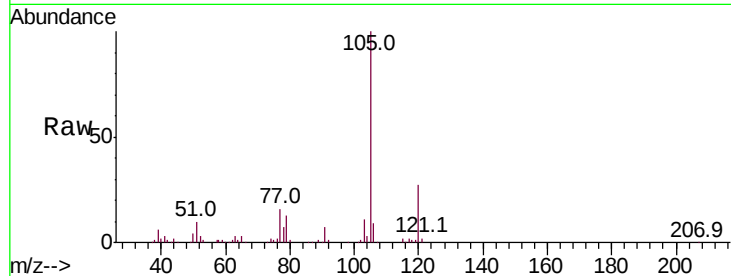
#73
Isopropylbenzene
Concen: 5.316 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 171362
Ion Ratio Lower Upper
105 100
120 26.5 13.0 39.0

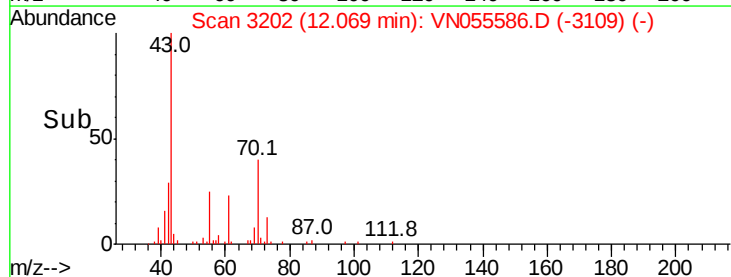
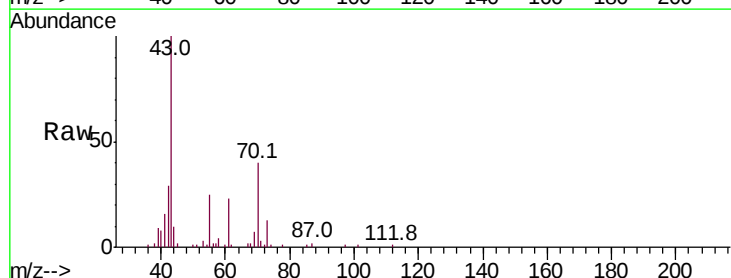
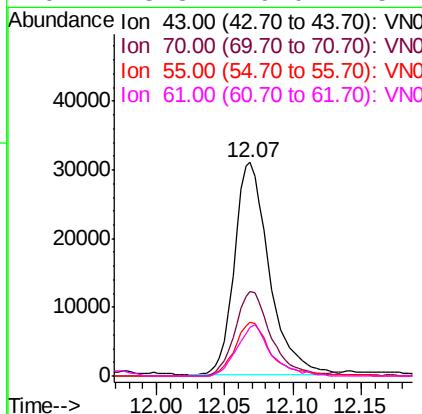
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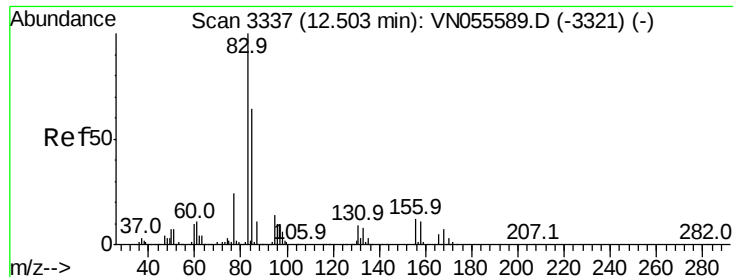
MMDadoda
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#74
N-ethyl acetate
Concen: 4.503 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion: 43 Resp: 55045
Ion Ratio Lower Upper
43 100
70 40.6 31.8 47.6
55 25.6 19.7 29.5
61 23.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.377 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

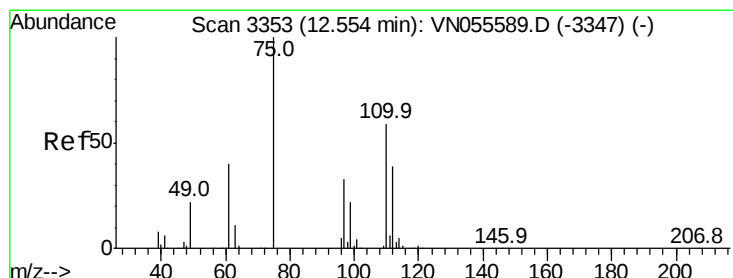
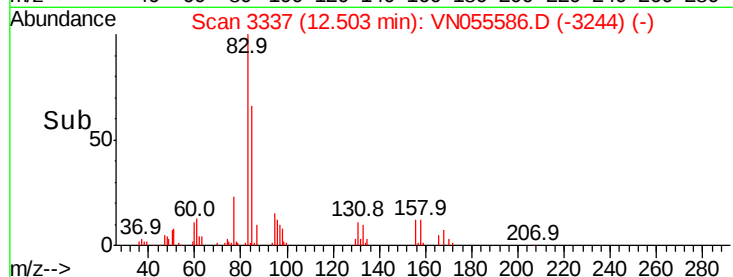
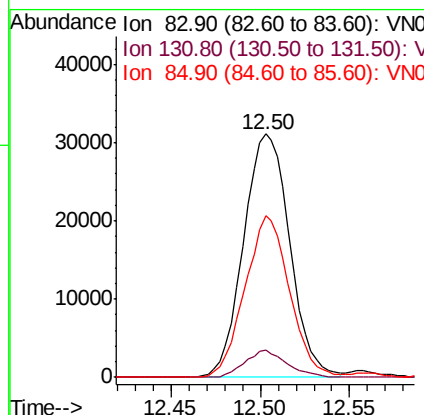
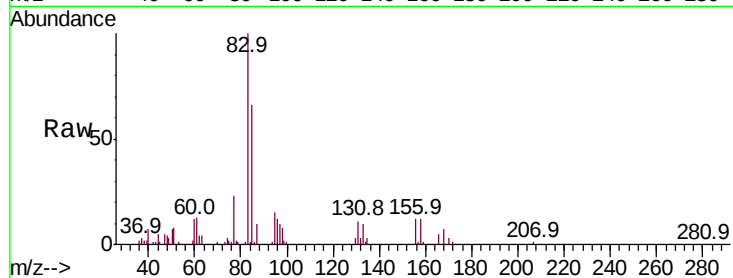
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	56195
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.6	13.8
85	63.9	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.082 ug/l m

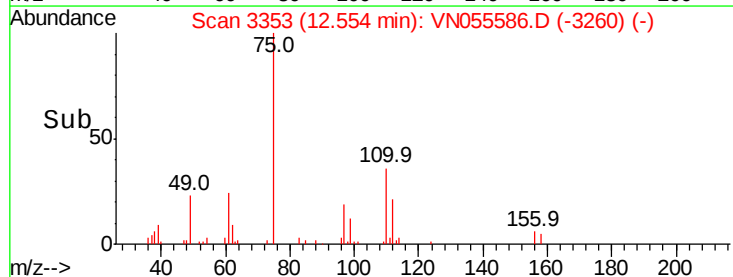
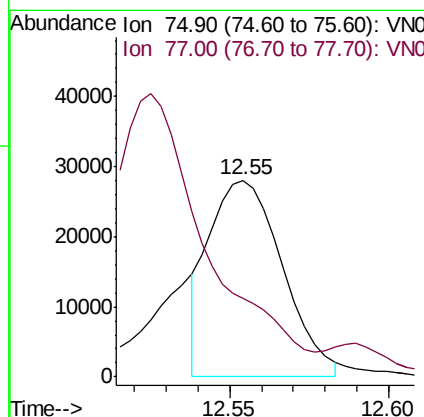
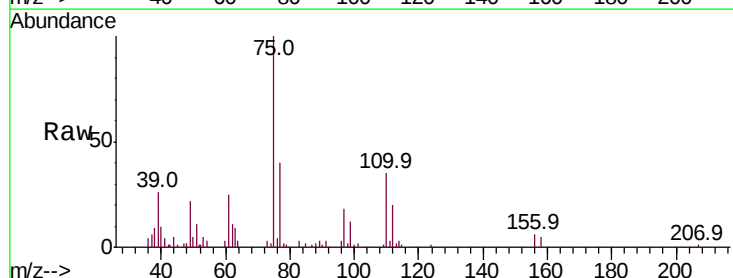
RT: 12.55 min Scan# 3353

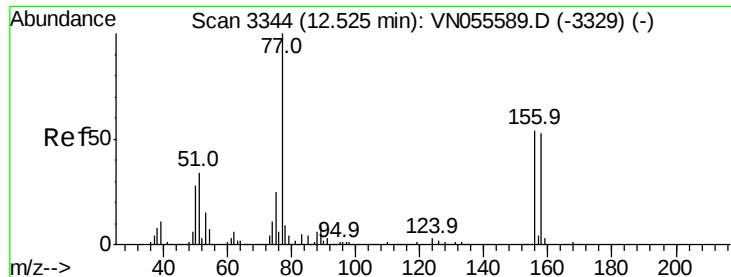
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	75	Resp:	44866
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.436 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

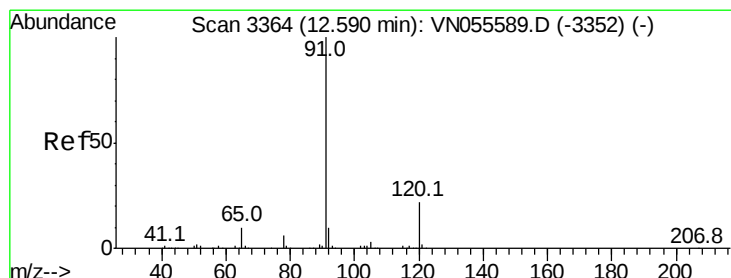
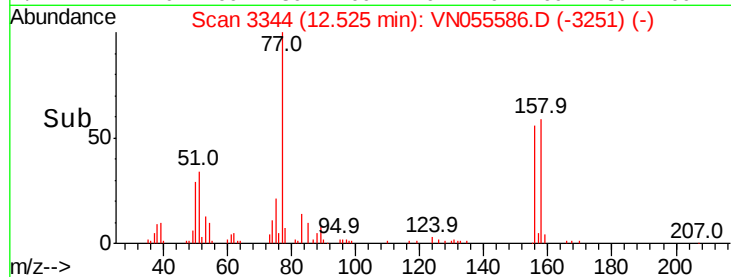
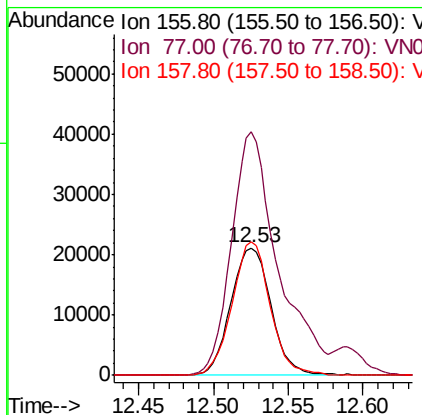
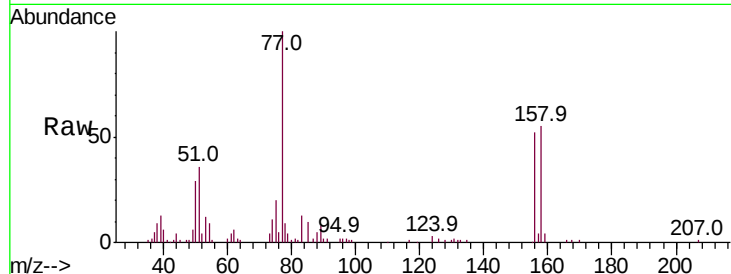
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.8	108.9	326.7
158	99.2	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 4.966 ug/l

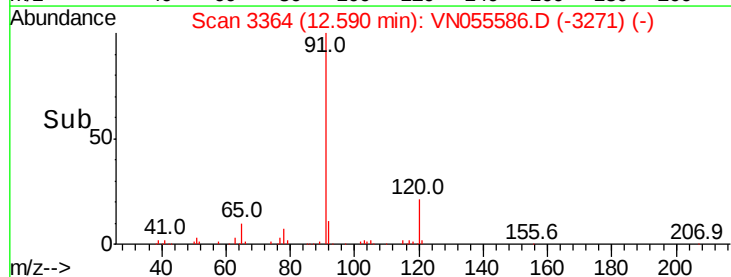
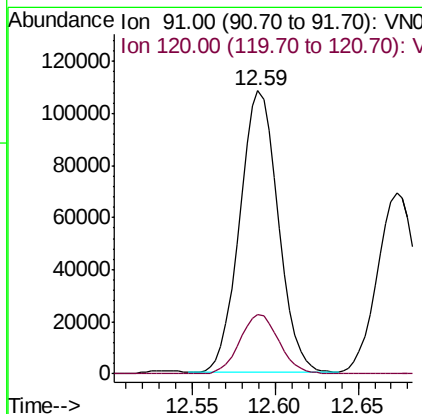
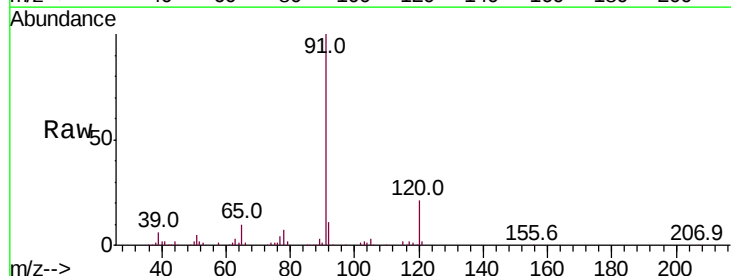
RT: 12.59 min Scan# 3364

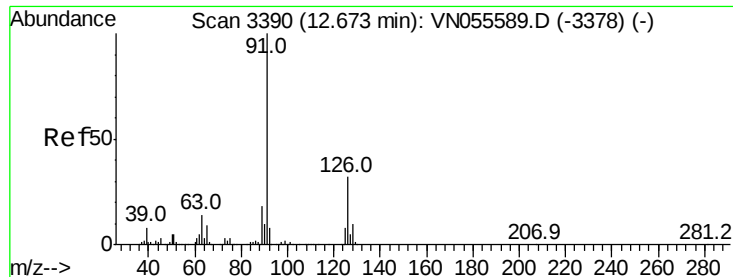
Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	11.0	33.0





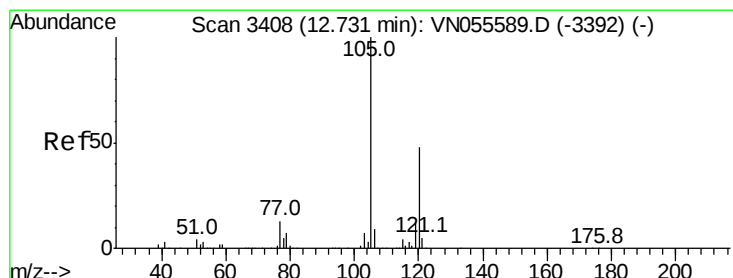
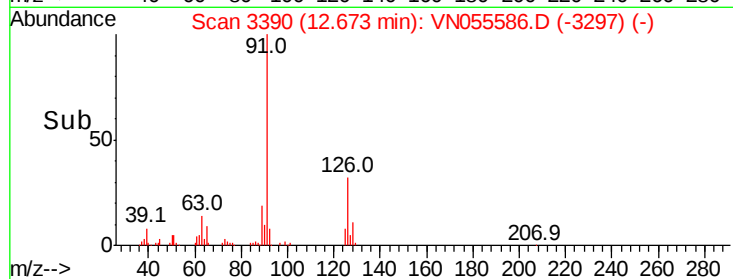
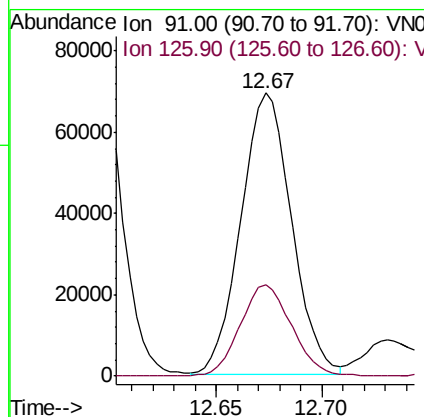
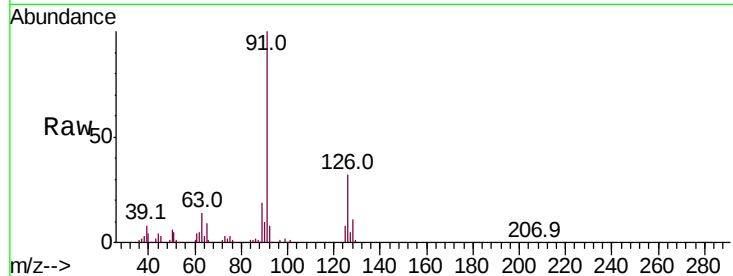
#79
 2-Chlorotoluene
 Concen: 5.285 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.6	49.7

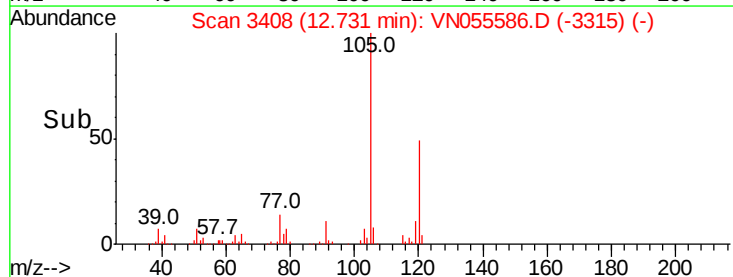
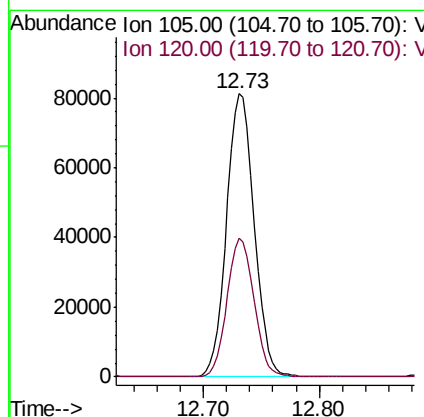
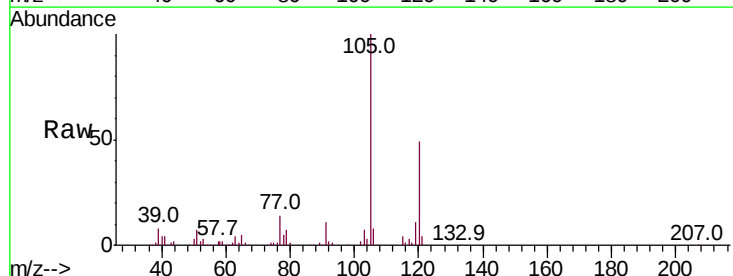
Manual Integrations
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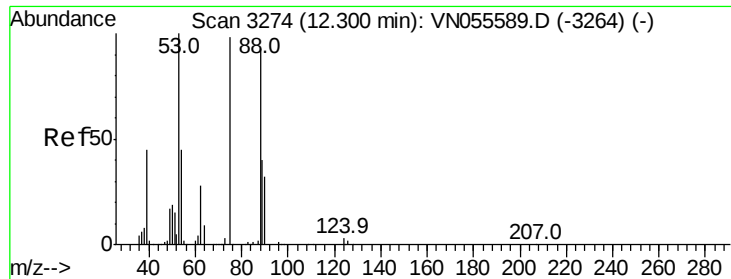
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.132 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.2





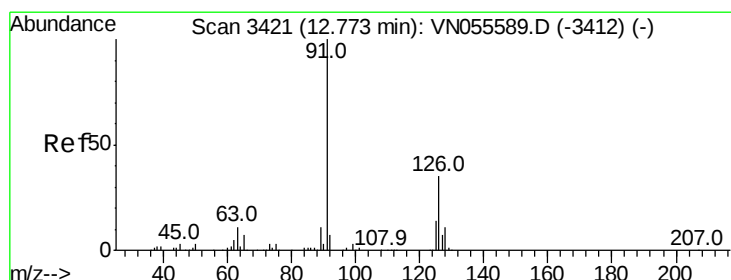
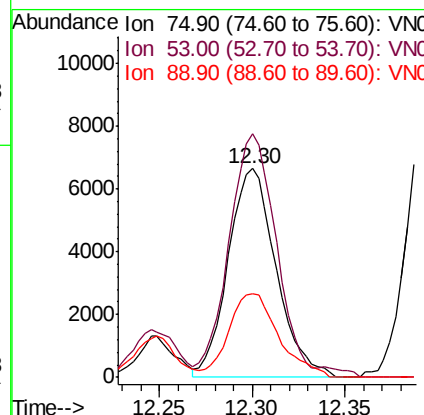
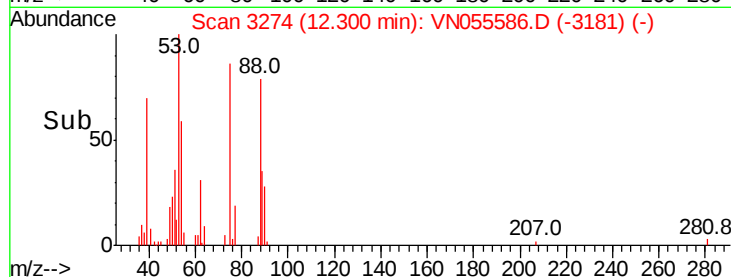
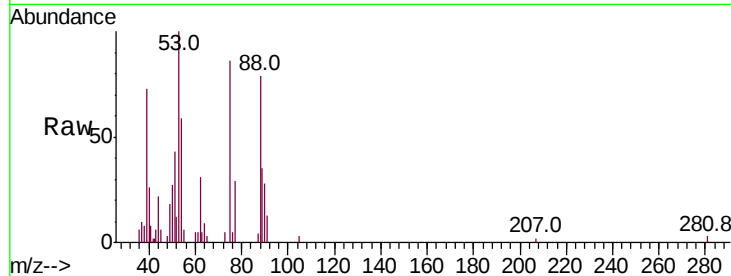
#81
trans-1,4-Dichloro-2-butene
Concen: 5.020 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	116.7	83.9	125.9
89	41.7	34.7	52.1

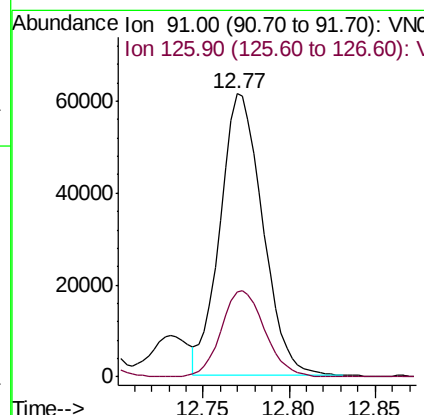
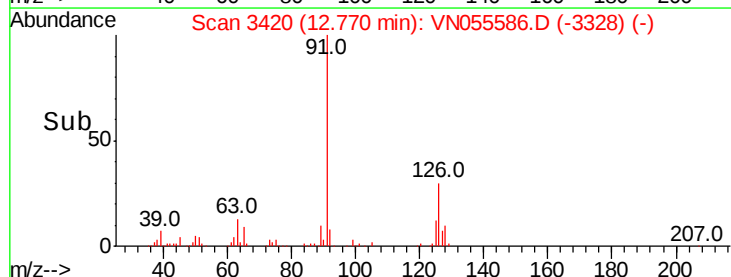
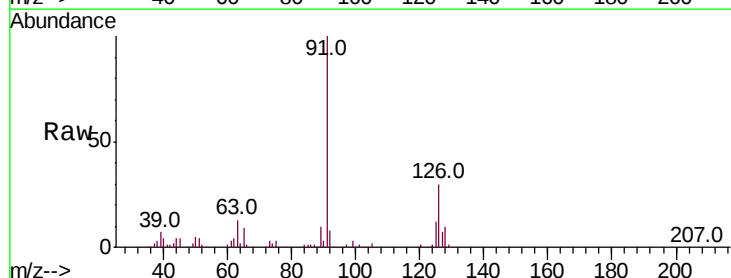
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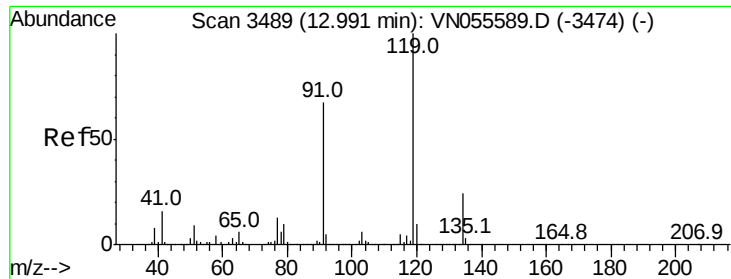
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.121 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	16.2	48.6





#83

tert-Butylbenzene

Concen: 5.270 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

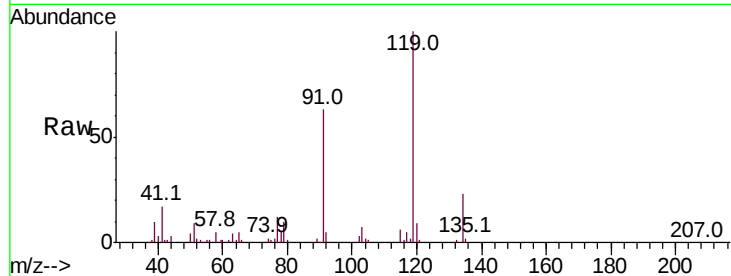
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	118216
Ion Ratio	Lower	Upper	
119	100		
91	66.5	33.5	100.4
134	23.7	12.7	38.1

Manual Integrations
APPROVED

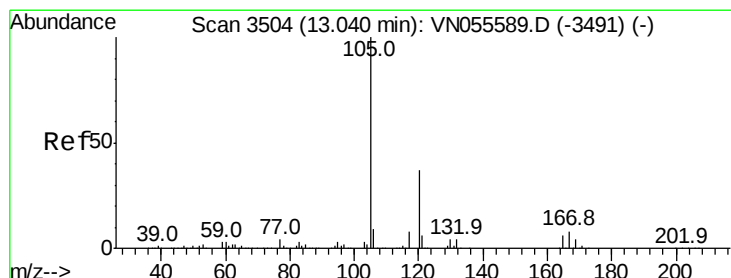
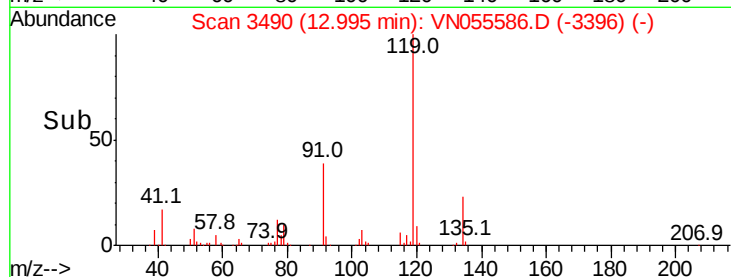
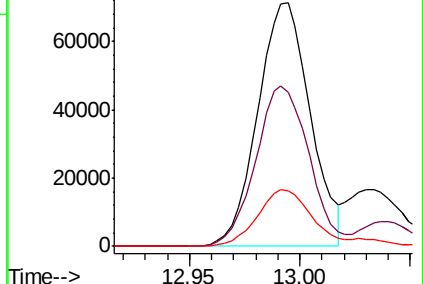
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.779 ug/l

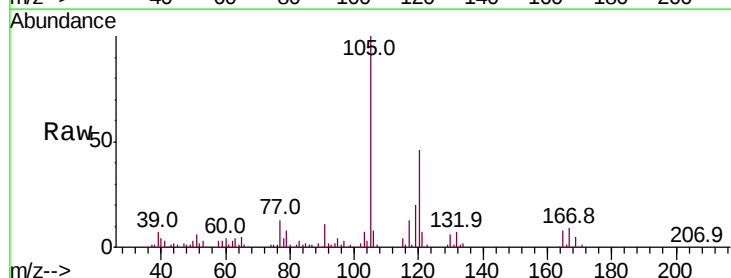
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055586.D

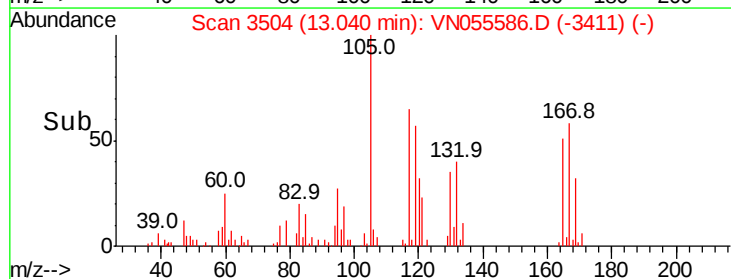
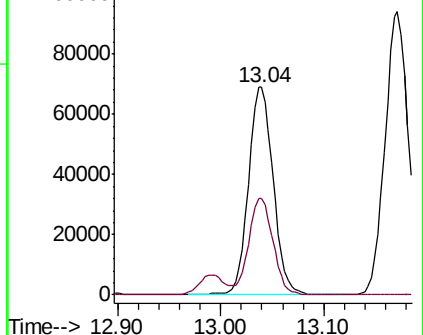
Acq: 14 May 2019 11:32

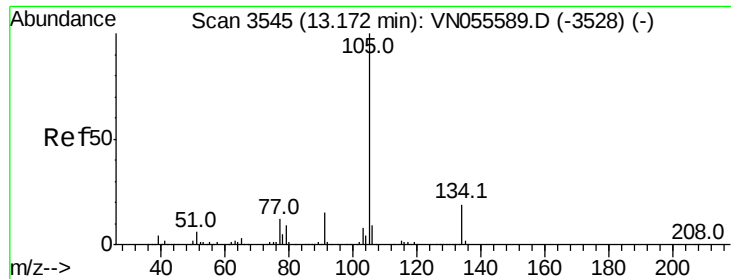
Tgt Ion:	105	Resp:	114779
Ion Ratio	Lower	Upper	
105	100		
120	45.9	22.2	66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





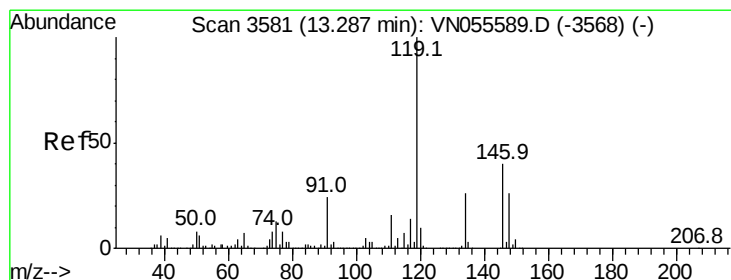
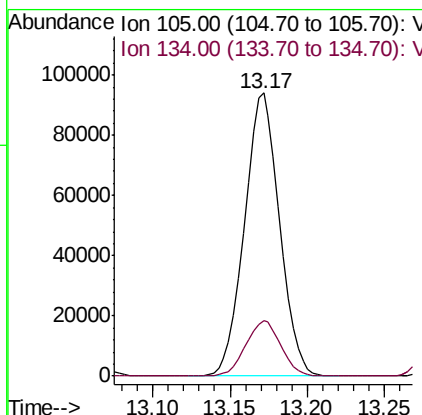
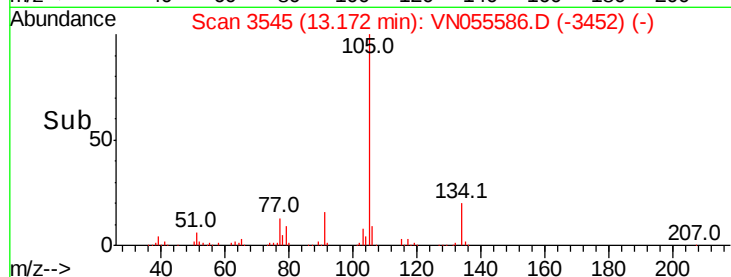
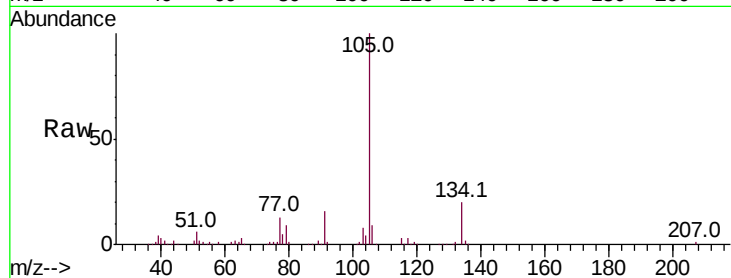
#85
 sec-Butylbenzene
 Concen: 4.983 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
105	100	148355		
134	19.5	9.7	29.1	

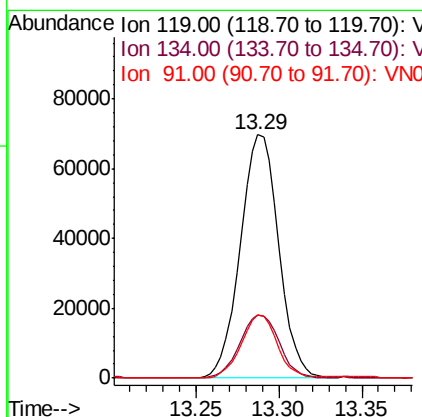
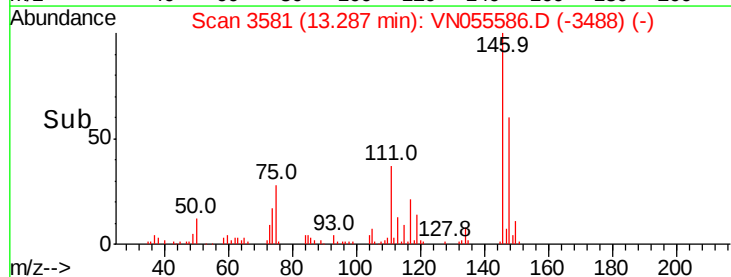
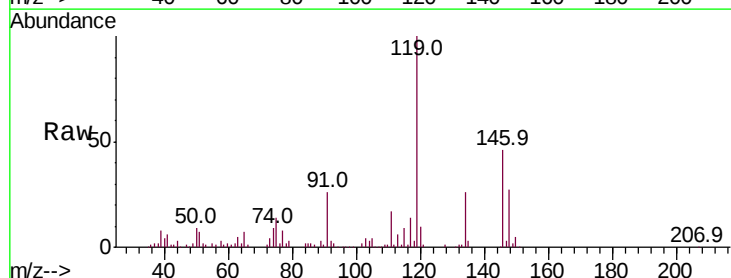
Manual Integrations
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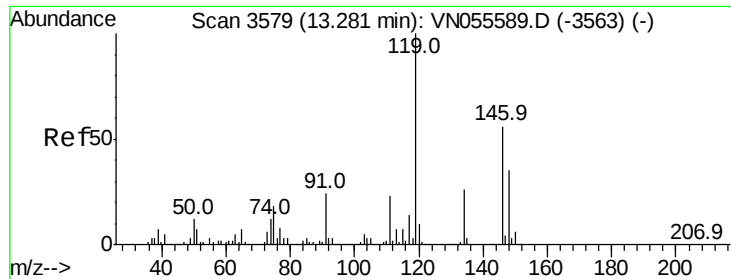
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#86
 p-Isopropyltoluene
 Concen: 4.618 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	111877		
134	26.7	13.0	39.0	
91	24.4	11.9	35.5	





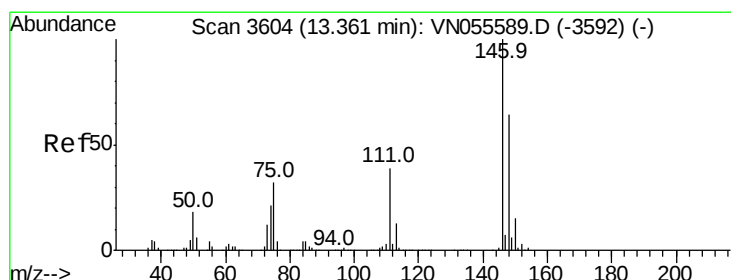
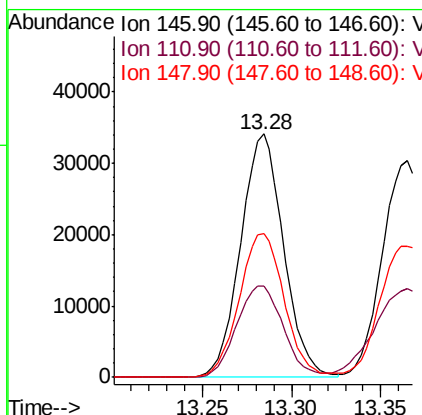
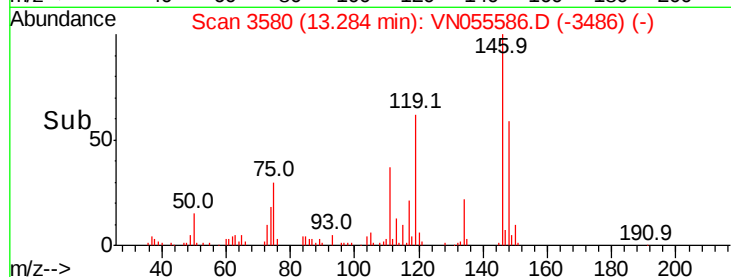
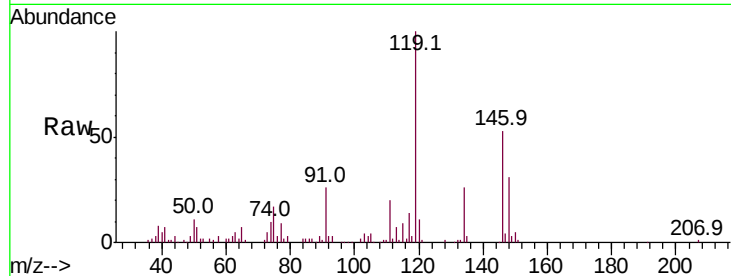
#87
 1,3-Dichlorobenzene
 Concen: 5.138 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.5	61.5
148	61.9	32.3	96.9

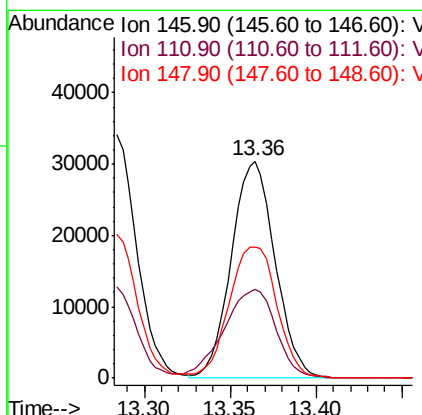
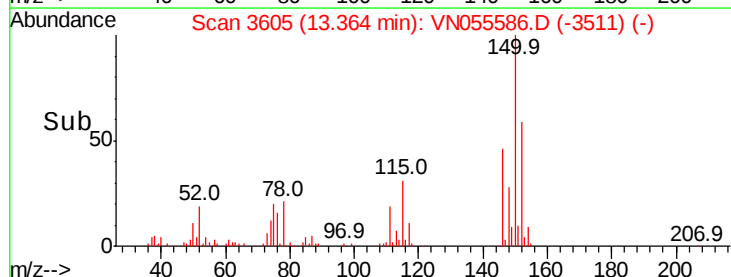
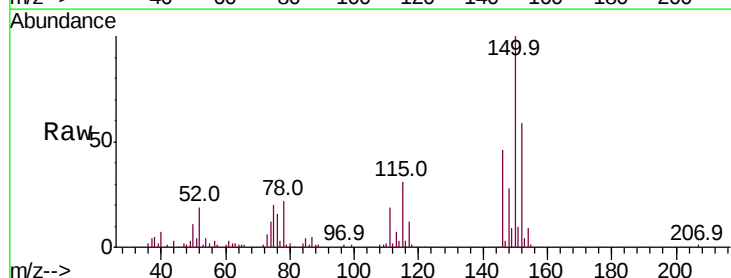
Manual Integrations
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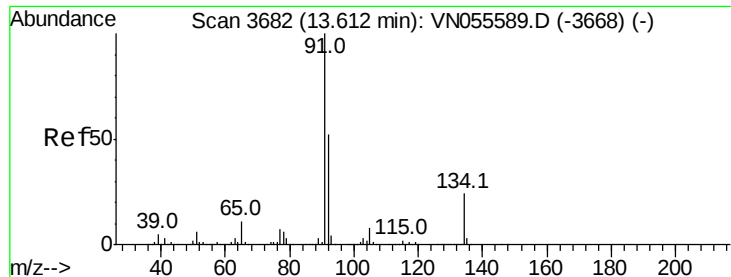
MMDadoda
 5/16/2019 1:27:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.875 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.1	19.7	59.0
148	66.5	31.8	95.4





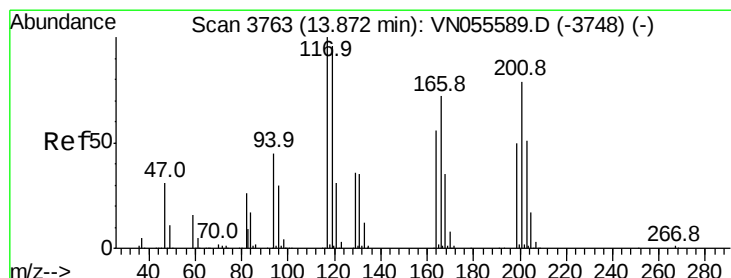
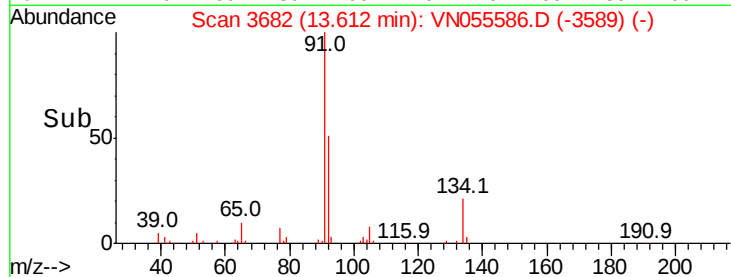
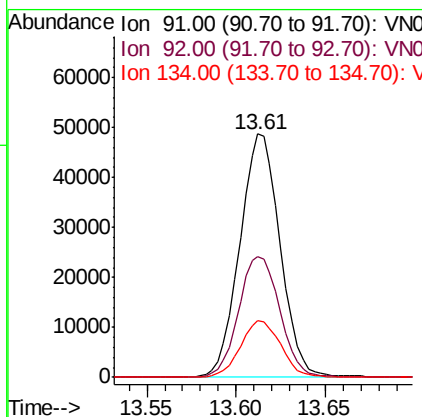
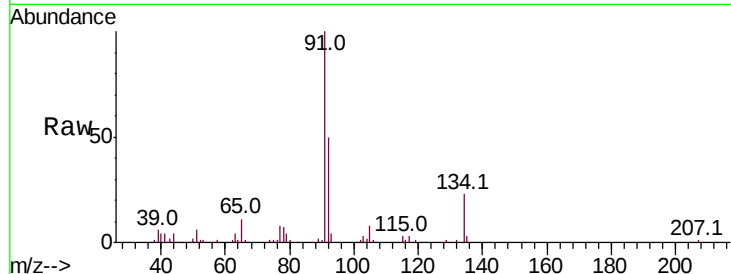
#89
n-Butylbenzene
Concen: 4.115 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.9	77.8
134	23.5	12.2	36.4

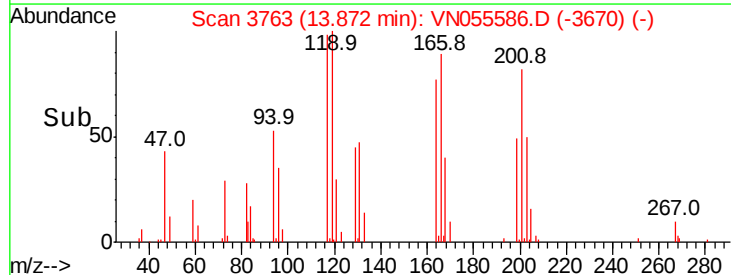
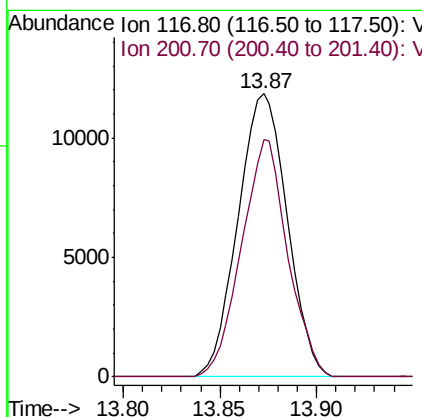
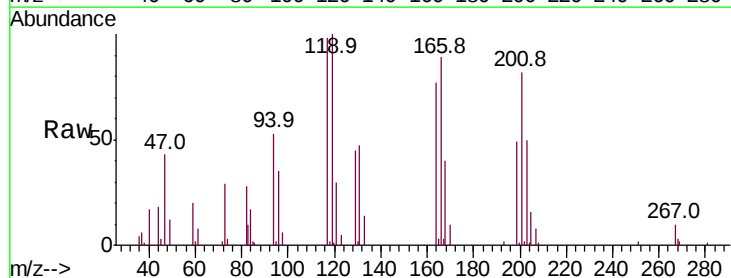
Manual Integrations
APPROVED

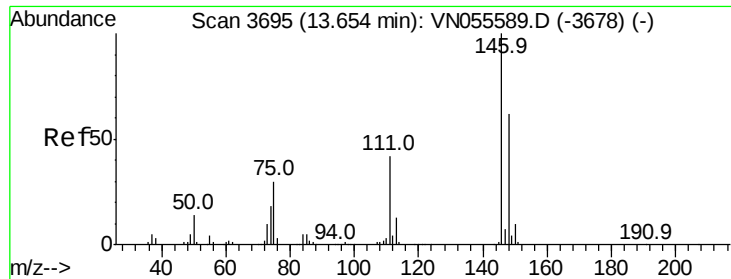
MMDadoda
5/16/2019 1:27:44 PM



#90
Hexachloroethane
Concen: 5.295 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055586.D
Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	40.6	121.8





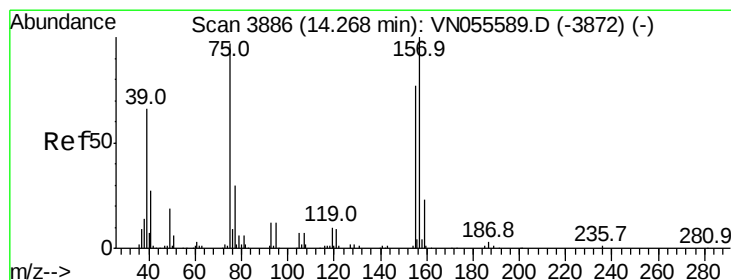
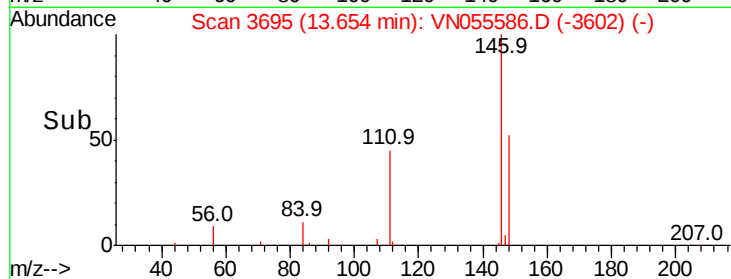
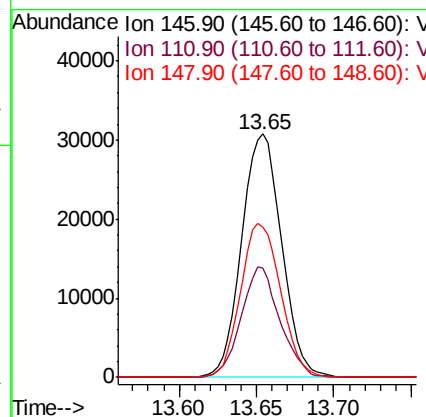
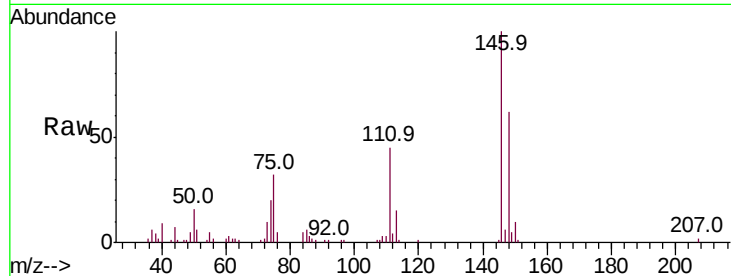
#91
 1,2-Dichlorobenzene
 Concen: 4.941 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.0	63.0
148	63.4	31.3	93.9

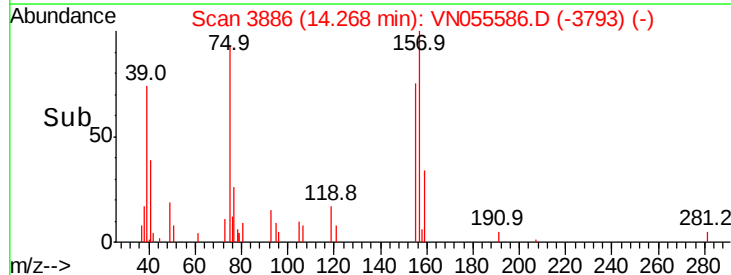
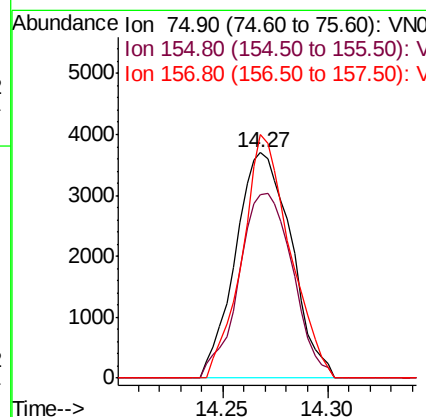
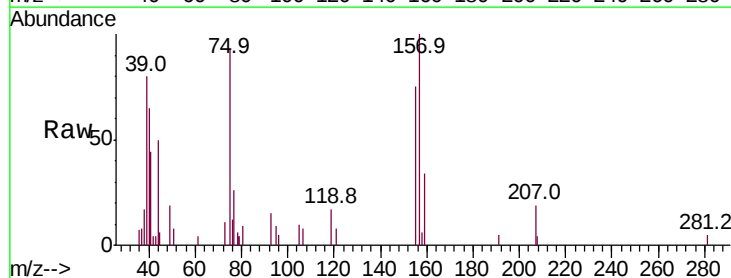
Manual Integrations
 APPROVED

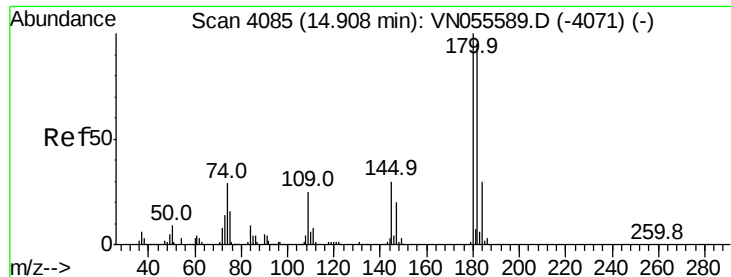
MMDadoda
 5/16/2019 1:27:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.575 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.2	40.4	121.1
157	92.7	52.1	156.4





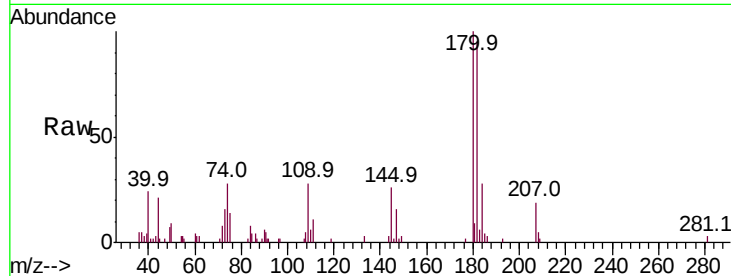
#93
 1,2,4-Trichlorobenzene
 Concen: 3.897 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

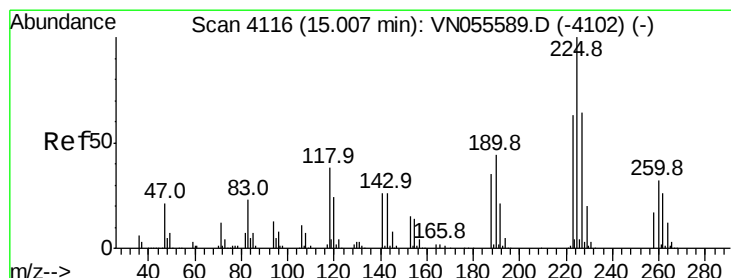
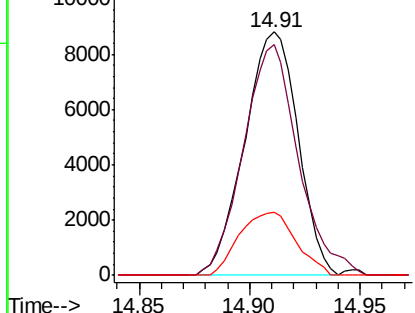
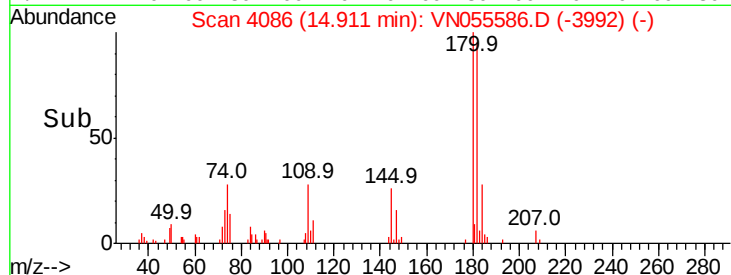
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.9	47.4	142.3	
145	27.4	14.9	44.7	

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:27:44 PM

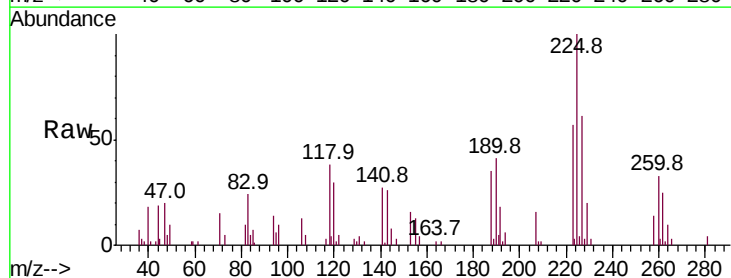


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

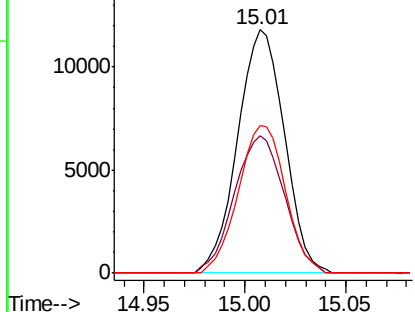
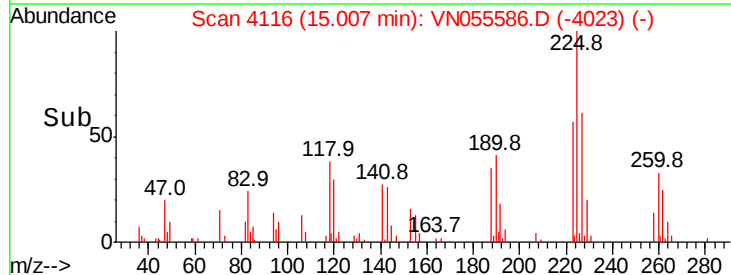


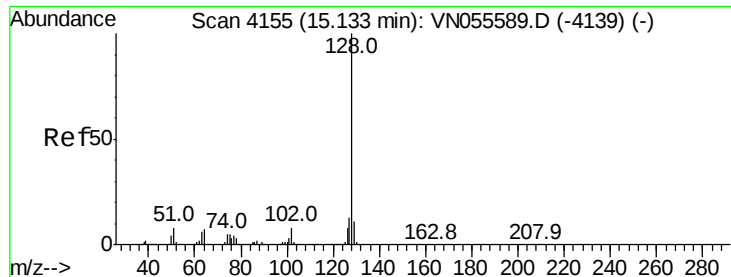
#94
 Hexachlorobutadiene
 Concen: 4.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055586.D
 Acq: 14 May 2019 11:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	31.6	95.0	
227	61.0	32.4	97.0	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.007 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Instrument :

MSVOA_N

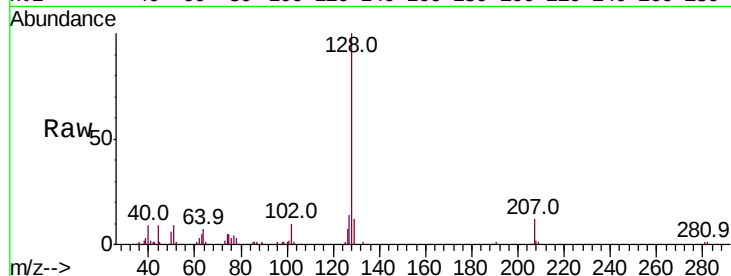
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	44337
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.4	15.6
129	11.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
5/16/2019 1:27:44 PM

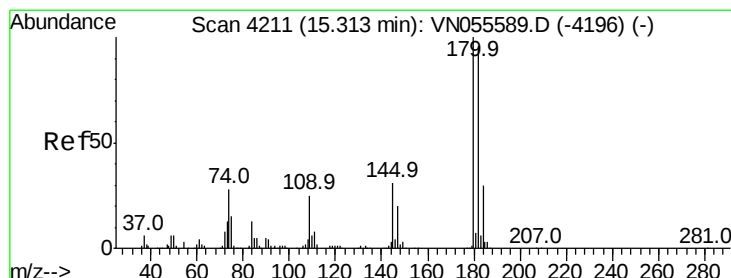
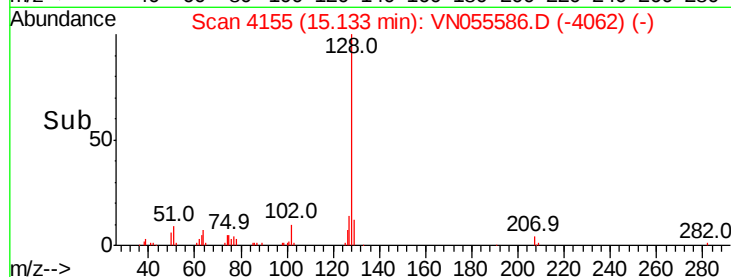
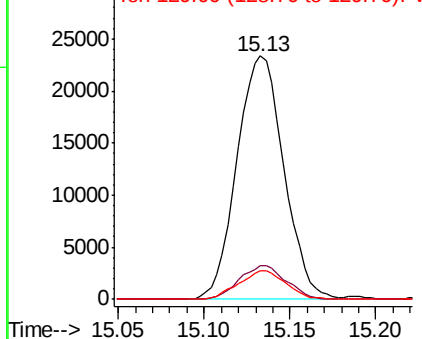


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.731 ug/l

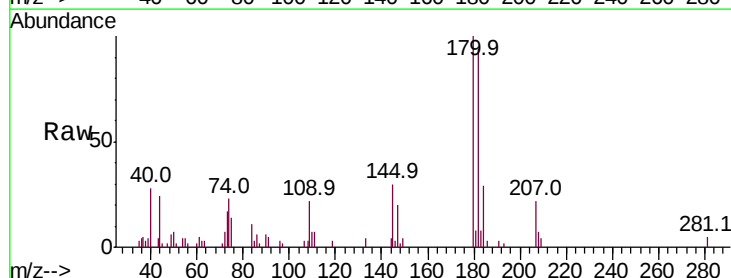
RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055586.D

Acq: 14 May 2019 11:32

Tgt Ion:	180	Resp:	16562
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.9	143.6
145	33.2	15.6	46.7



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

