

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054463.D
 Acq On : 20 Mar 2019 14:18
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:17:25 PM

Quant Time: Mar 20 14:41:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 12:05:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	542610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	831129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	693125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	254046	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	5108	0.993	ug/l	94
3) Chloromethane	2.06	50	7338	1.469	ug/l	97
4) Vinyl Chloride	2.19	62	7131	1.249	ug/l	92
5) Bromomethane	2.58	94	5744	1.453	ug/l	84
6) Chloroethane	2.71	64	4646	1.345	ug/l	96
7) Trichlorofluoromethane	3.02	101	8512	1.121	ug/l	98
8) Diethyl Ether	3.42	74	3705	1.071	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.75	101	5438	0.956	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	5837	1.035	ug/l	89
14) Allyl chloride	4.32	41	10773	1.489	ug/l #	77
15) Acrylonitrile	5.00	53	9891	6.095	ug/l #	75
16) Acetone	3.82	43	10893	6.602	ug/l #	83
17) Carbon Disulfide	4.05	76	16214	1.147	ug/l	99
18) Methyl Acetate	4.33	43	5024m	1.505	ug/l	
19) Methyl tert-butyl Ether	5.05	73	15270	1.093	ug/l	98
20) Methylene Chloride	4.55	84	6586	1.216	ug/l #	87
21) trans-1,2-Dichloroethene	5.04	96	5168	0.957	ug/l	86
22) Diisopropyl ether	5.97	45	18853m	1.306	ug/l	
23) Vinyl Acetate	5.90	43	58515	5.498	ug/l #	92
24) 1,1-Dichloroethane	5.84	63	10287	1.110	ug/l #	95
25) 2-Butanone	6.86	43	10116	5.224	ug/l	100
26) 2,2-Dichloropropane	6.82	77	7286	0.894	ug/l	86
27) cis-1,2-Dichloroethene	6.83	96	6544	1.086	ug/l	91
28) Bromochloromethane	7.19	49	5015	1.324	ug/l #	72
29) Tetrahydrofuran	7.23	42	6858	5.508	ug/l #	81
30) Chloroform	7.36	83	10172	1.052	ug/l	98
31) Cyclohexane	7.66	56	20518	2.057	ug/l #	63
32) 1,1,1-Trichloroethane	7.57	97	7287	0.834	ug/l #	43
36) 1,1-Dichloropropene	7.79	75	8686	1.135	ug/l	93
37) Ethyl Acetate	6.95	43	4970m	1.130	ug/l	
38) Carbon Tetrachloride	7.77	117	8389	1.045	ug/l	85
39) Methylcyclohexane	9.08	83	9544	1.013	ug/l	90
40) Benzene	8.04	78	22254	1.016	ug/l	96
41) Methacrylonitrile	7.18	41	4159	1.656	ug/l #	48

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

42) 1,2-Dichloroethane	8.12	62	8658	1.171	ug/l	93
43) Isopropyl Acetate	8.17	43	8507	1.102	ug/l #	92
44) Trichloroethene	8.83	130	6495	0.955	ug/l	97
45) 1,2-Dichloropropane	9.12	63	5655	1.040	ug/l	99
46) Dibromomethane	9.21	93	3472	0.945	ug/l	92
47) Bromodichloromethane	9.40	83	6991	0.949	ug/l #	97
48) Methyl methacrylate	9.20	41	5224	1.333	ug/l #	69
49) 1,4-Dioxane	9.20	88	1107	19.977	ug/l #	81
51) 4-Methyl-2-Pentanone	9.99	43	21984	5.381	ug/l	94
52) Toluene	10.16	92	13584	0.978	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5586	0.745	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	7177	0.836	ug/l #	86
55) 1,1,2-Trichloroethane	10.56	97	4784	0.943	ug/l	95
56) Ethyl methacrylate	10.43	69	5550	0.918	ug/l #	67
57) 1,3-Dichloropropane	10.71	76	8272	0.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	11168	4.876	ug/l #	88
59) 2-Hexanone	10.76	43	14475	5.325	ug/l	93
60) Dibromochloromethane	10.90	129	4240	0.743	ug/l	91
61) 1,2-Dibromoethane	11.00	107	4337	0.842	ug/l	95
64) Tetrachloroethene	10.63	164	6409	0.956	ug/l	94
65) Chlorobenzene	11.43	112	14439	0.949	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	4491	0.812	ug/l #	58
67) Ethyl Benzene	11.51	91	25222	1.000	ug/l	99
68) m/p-Xylenes	11.62	106	18471	1.873	ug/l	94
69) o-Xylene	11.95	106	9440	0.982	ug/l	94
70) Styrene	11.96	104	14070	0.933	ug/l	95
71) Bromoform	12.13	173	2346	0.641	ug/l #	91
73) Isopropylbenzene	12.25	105	24291	1.195	ug/l	98
74) N-amyl acetate	12.08	43	5038	1.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	5020	1.159	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	4568m	1.223	ug/l	
77) Bromobenzene	12.52	156	6030	1.121	ug/l	89
78) n-propylbenzene	12.59	91	25146	1.140	ug/l	96
79) 2-Chlorotoluene	12.68	91	17004	1.282	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	19235	1.138	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.29	75	967	0.885	ug/l #	79
82) 4-Chlorotoluene	12.77	91	14979	1.131	ug/l	95
83) tert-Butylbenzene	12.99	119	17195	1.105	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	18424	1.111	ug/l	94
85) sec-Butylbenzene	13.17	105	21774	1.079	ug/l	98
86) p-Isopropyltoluene	13.29	119	18571	1.049	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	9430	1.041	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	9393m	1.055	ug/l	
89) n-Butylbenzene	13.62	91	13181	0.980	ug/l	99
90) Hexachloroethane	13.87	117	2510	0.856	ug/l	78
91) 1,2-Dichlorobenzene	13.65	146	8904	1.005	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	583	0.870	ug/l	95
93) 1,2,4-Trichlorobenzene	14.91	180	4110	0.898	ug/l	95
94) Hexachlorobutadiene	15.01	225	3687	1.093	ug/l	91
95) Naphthalene	15.13	128	8917	0.947	ug/l #	94

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96) 1,2,3-Trichlorobenzene	15.31	180	4182	0.888	ug/l #	82

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

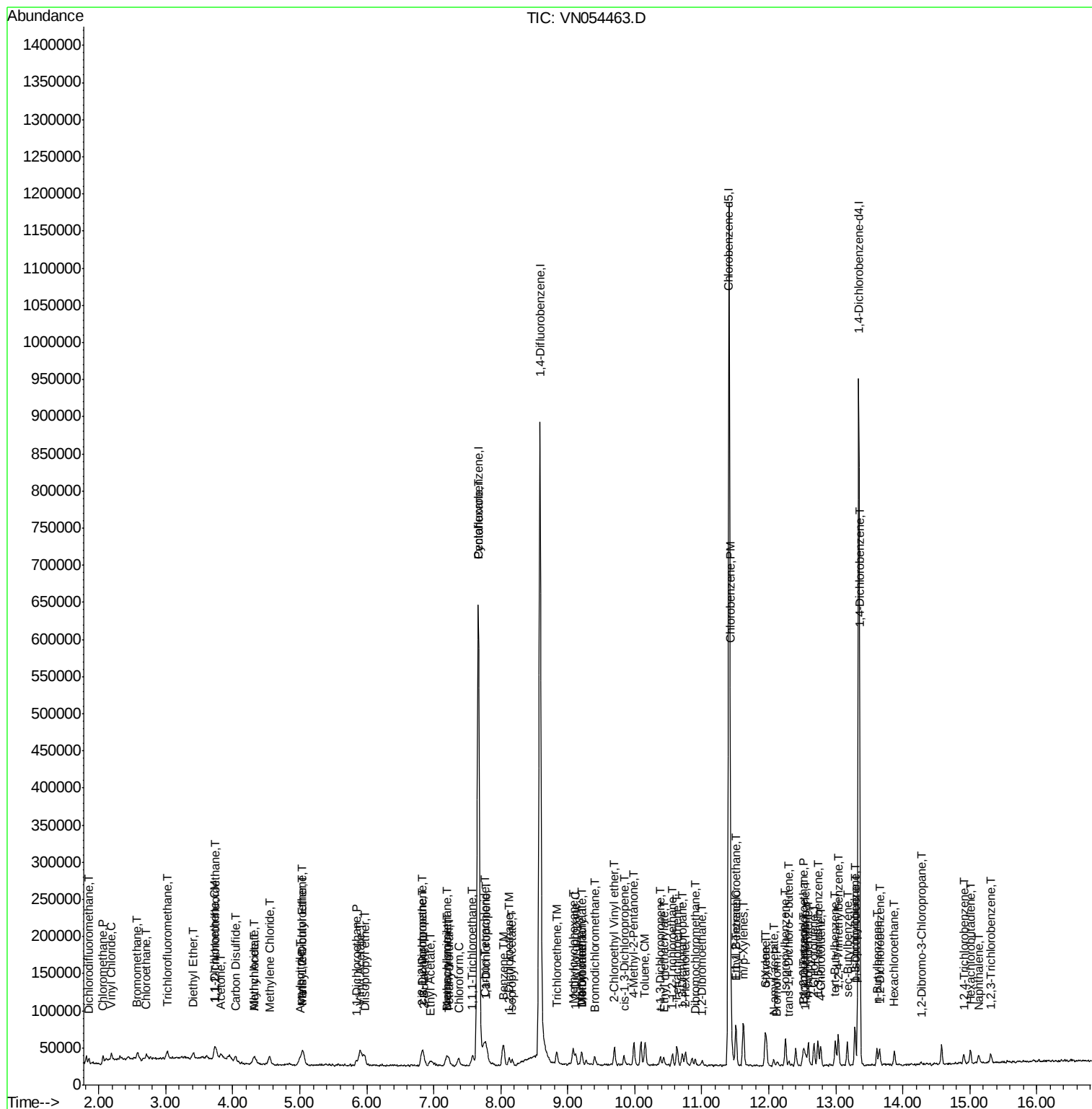
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
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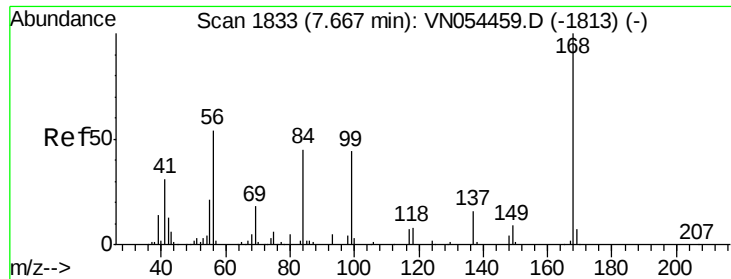
Instrument :
MSVOA_N
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VSTDIC001

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 542610

Ion Ratio Lower Upper

168 100

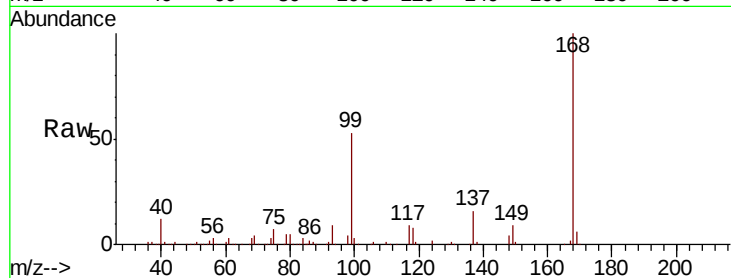
99 52.8 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

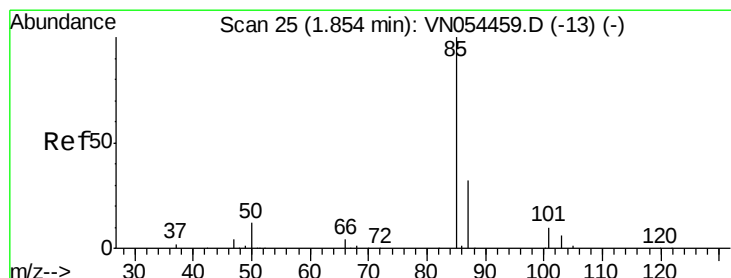
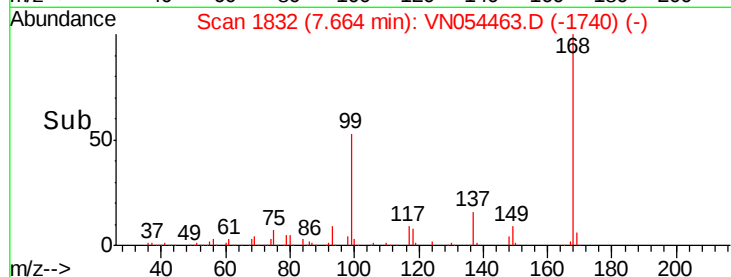
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.993 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054463.D

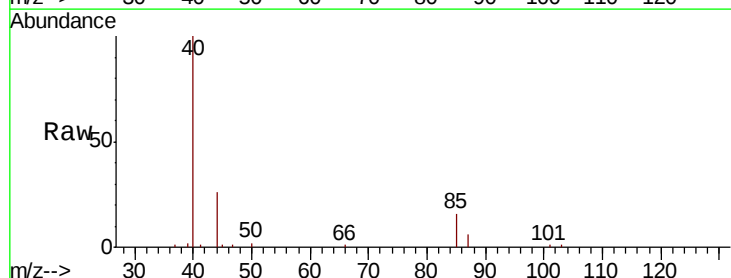
Acq: 20 Mar 2019 14:18

Tgt Ion: 85 Resp: 5108

Ion Ratio Lower Upper

85 100

87 35.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

4000

3000

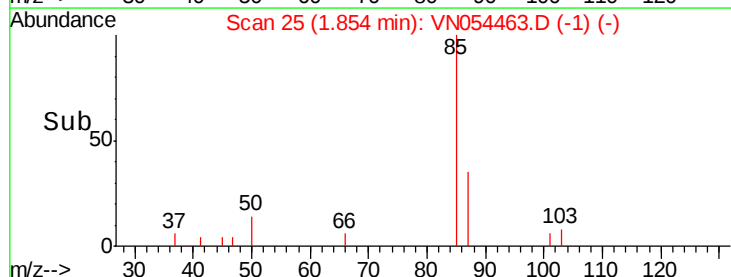
2000

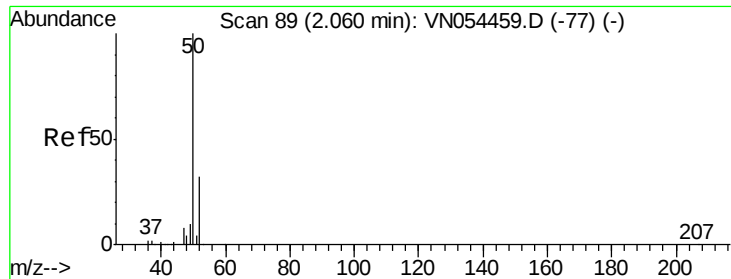
1000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.469 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 50 Resp: 7338

Ion Ratio Lower Upper

50 100

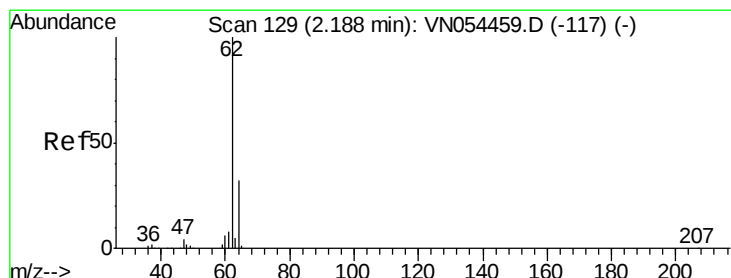
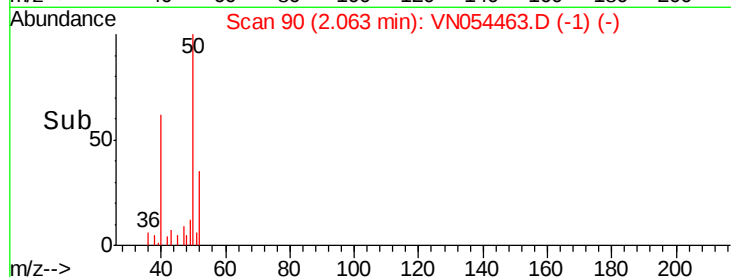
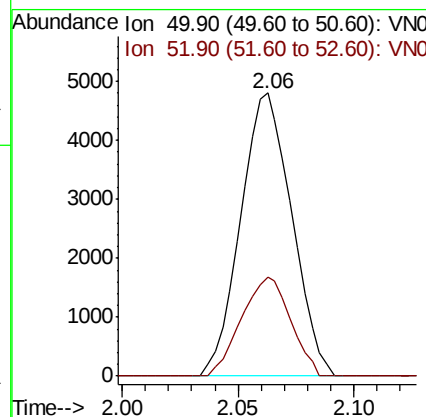
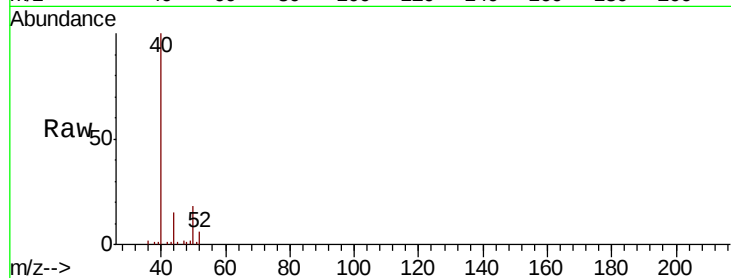
52 35.0 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 1.249 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054463.D

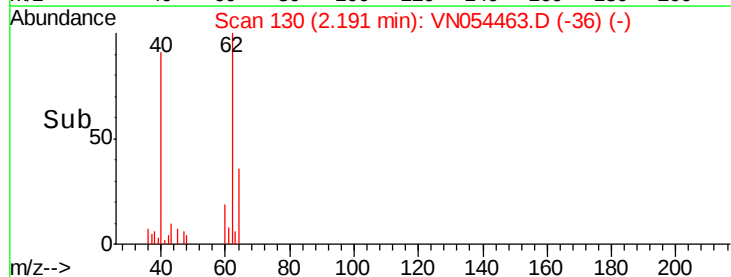
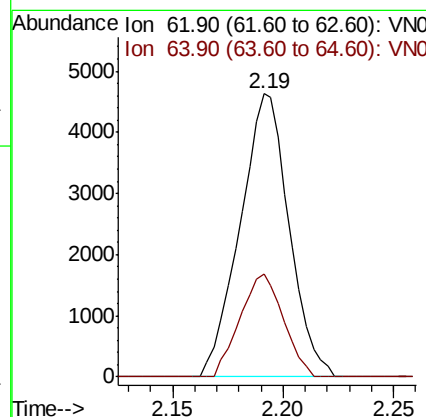
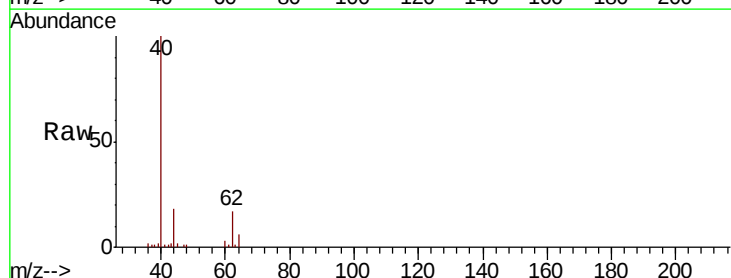
Acq: 20 Mar 2019 14:18

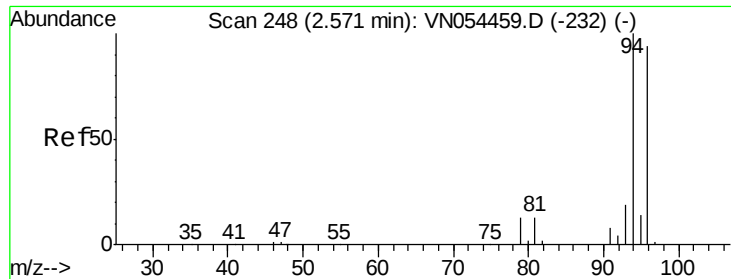
Tgt Ion: 62 Resp: 7131

Ion Ratio Lower Upper

62 100

64 36.3 25.5 38.3





#5

Bromomethane

Concen: 1.453 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

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ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 5744

Ion Ratio Lower Upper

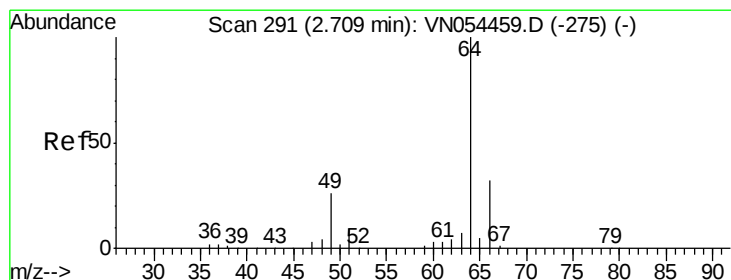
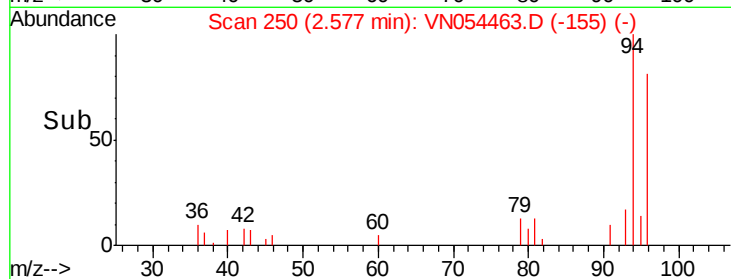
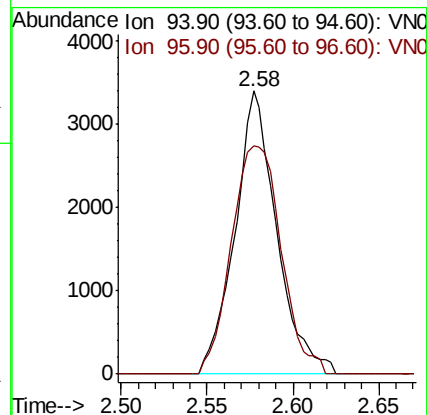
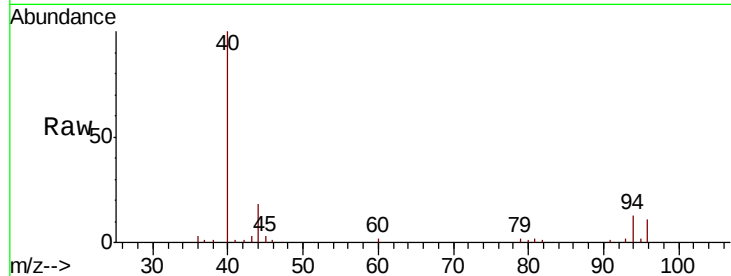
94 100

96 80.8 77.0 115.4

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#6

Chloroethane

Concen: 1.345 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054463.D

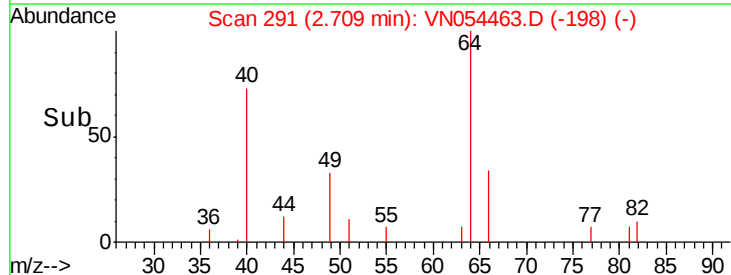
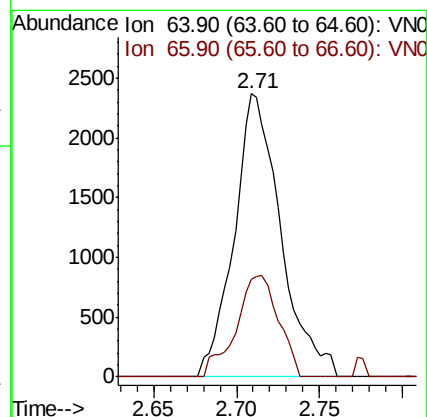
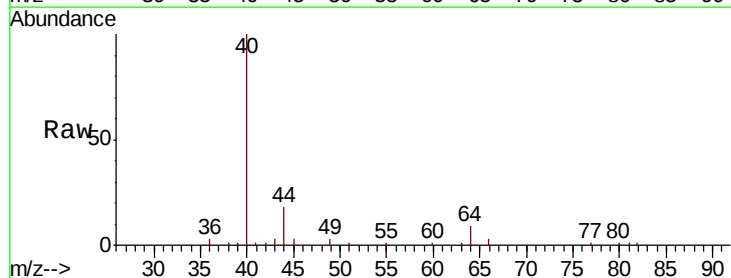
Acq: 20 Mar 2019 14:18

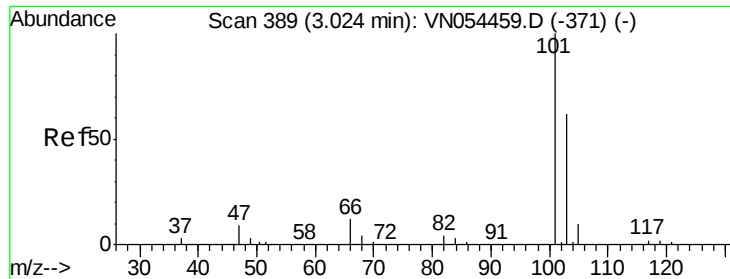
Tgt Ion: 64 Resp: 4646

Ion Ratio Lower Upper

64 100

66 34.4 25.7 38.5





#7

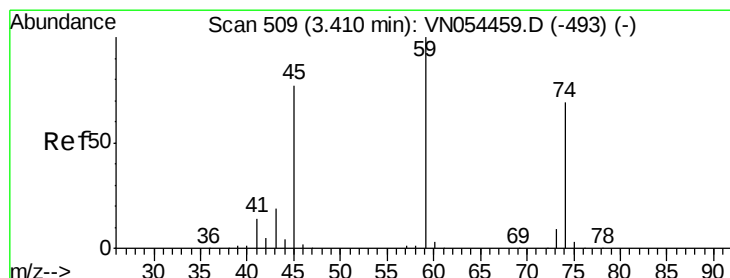
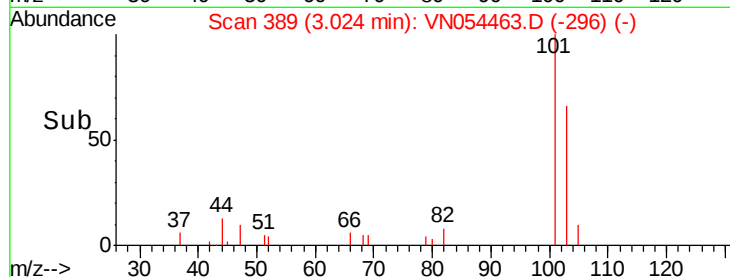
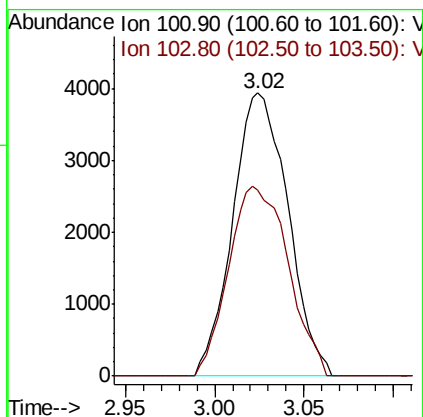
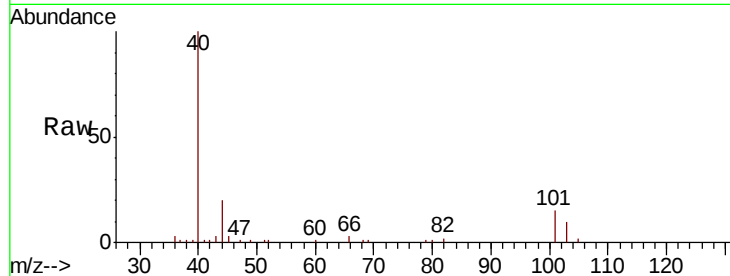
Trichlorofluoromethane
Concen: 1.121 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

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ClientSampleId :
VSTDIC001

Tot Ion:101 Resp: 8512
Ion Ratio Lower Upper
101 100
103 65.7 51.4 77.2

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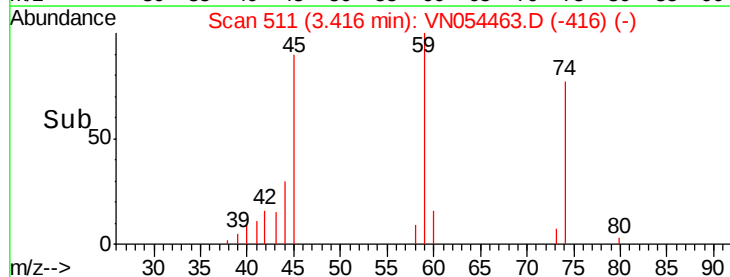
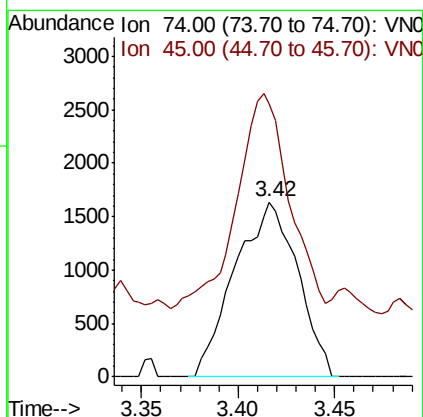
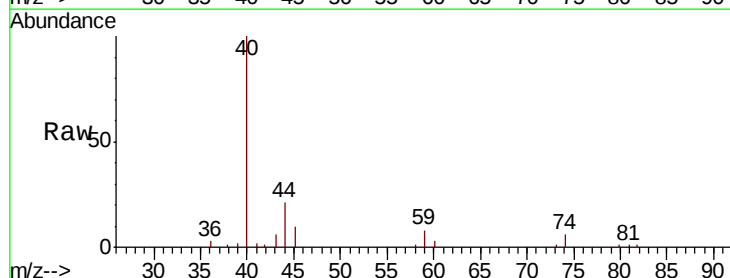
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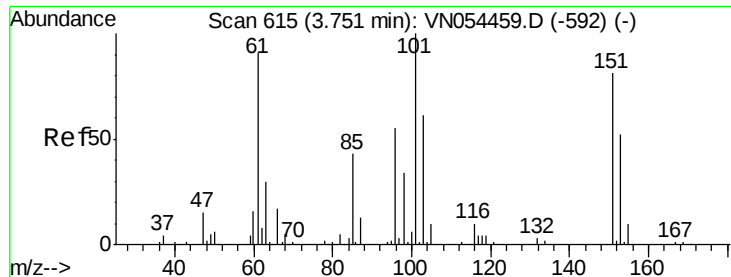


#8

Diethyl Ether
Concen: 1.071 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 74 Resp: 3705
Ion Ratio Lower Upper
74 100
45 101.2 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.956 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054463.D

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Instrument :

MSVOA_N

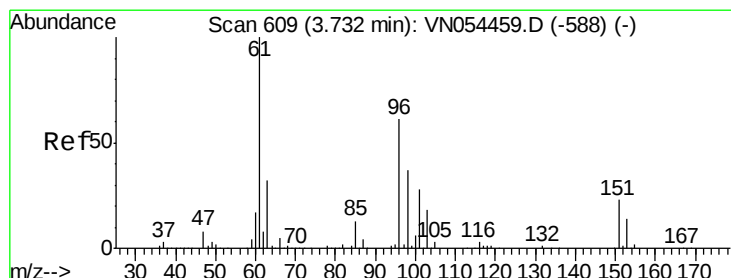
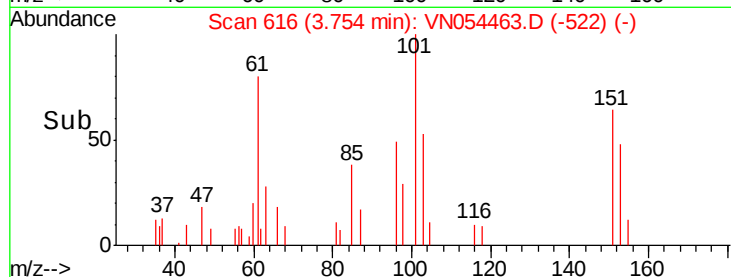
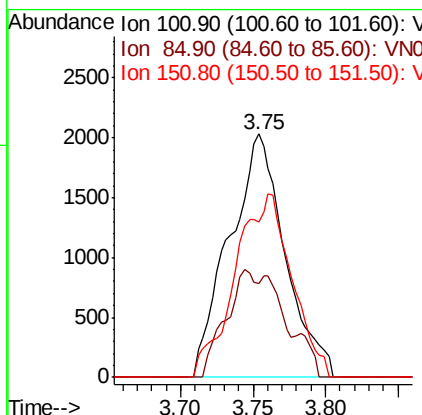
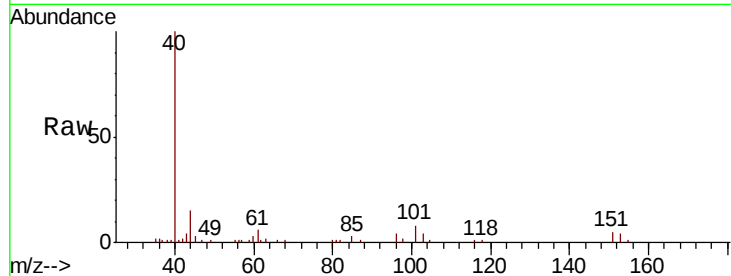
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
101	100		
85	25.5	32.4	48.6#
151	76.4	68.2	102.2

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#12

1,1-Dichloroethene

Concen: 1.035 ug/l

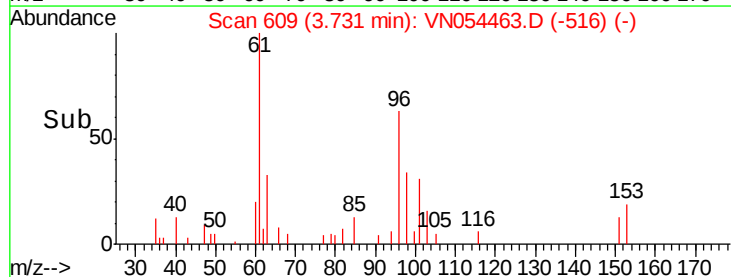
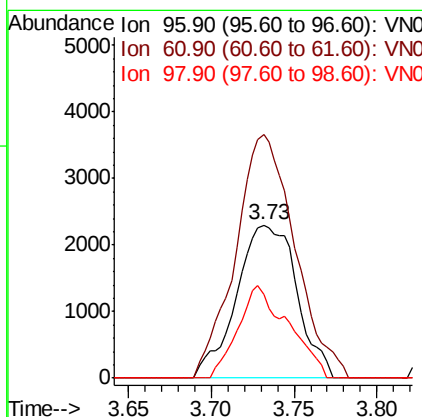
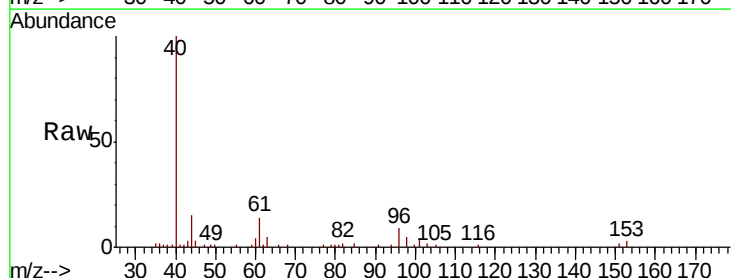
RT: 3.73 min Scan# 609

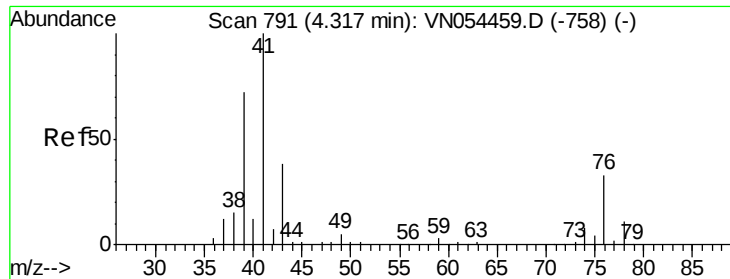
Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	116.5	174.7
98	54.4	51.0	76.4





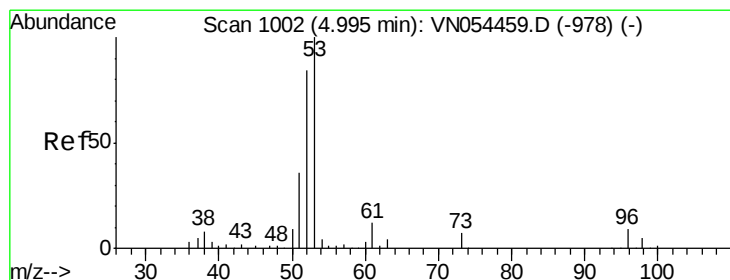
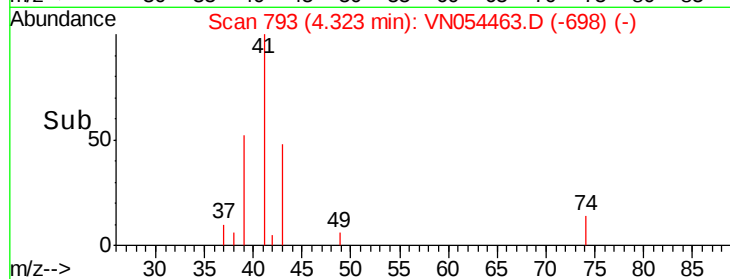
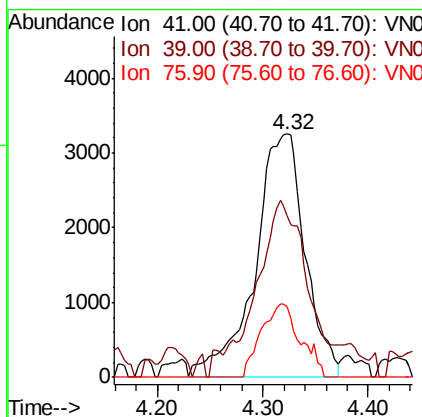
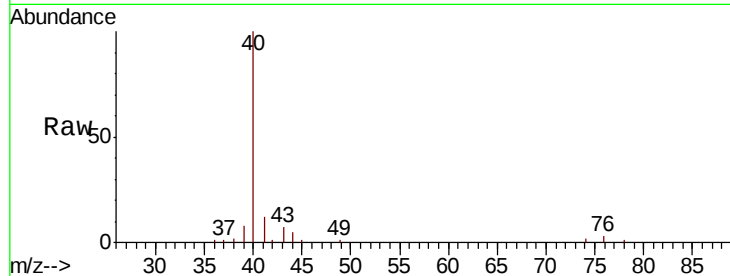
#14
Allvl chloride
Concen: 1.489 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	58.2	87.4#
76	23.4	31.7	47.5#

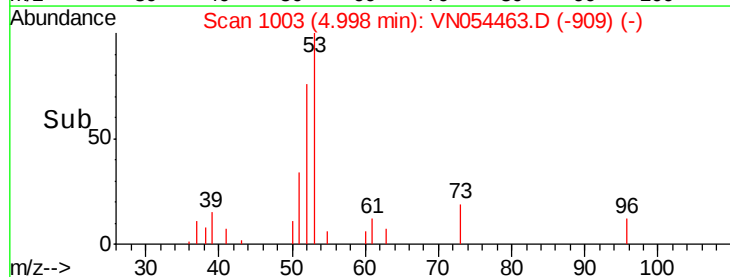
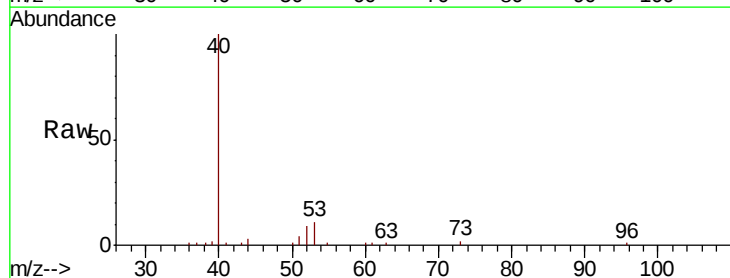
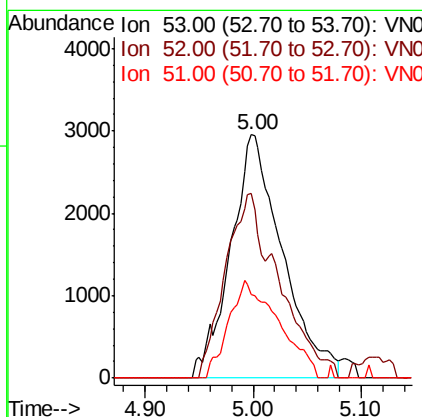
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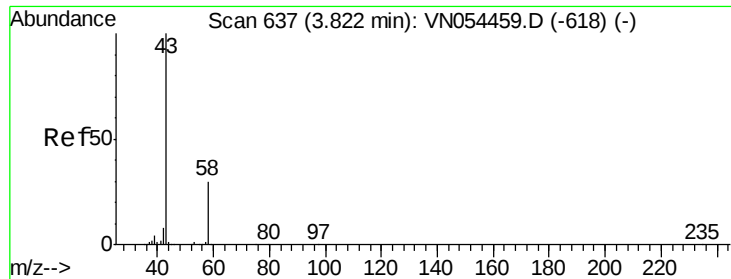
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#15
Acrylonitrile
Concen: 6.095 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
53	100		
52	51.8	66.4	99.6#
51	38.5	29.6	44.4





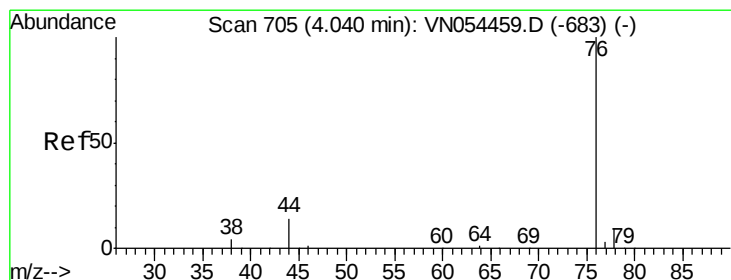
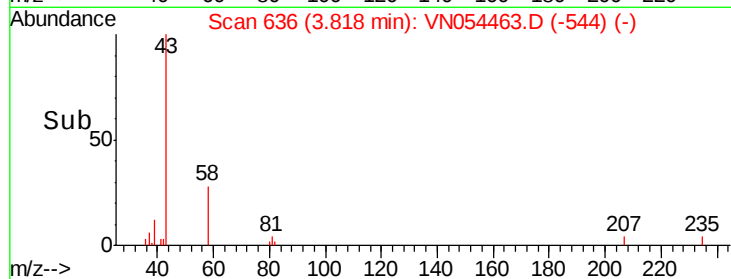
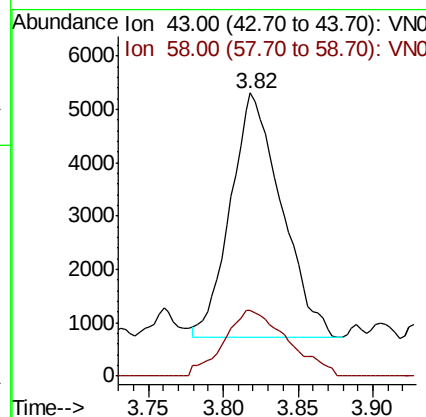
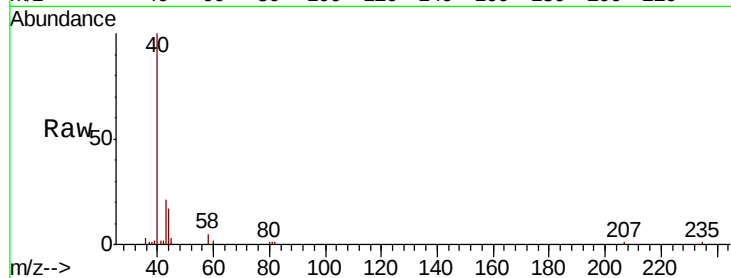
#16
Acetone
Concen: 6.602 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 43 Resp: 10893
Ion Ratio Lower Upper
43 100
58 27.0 29.9 44.9#

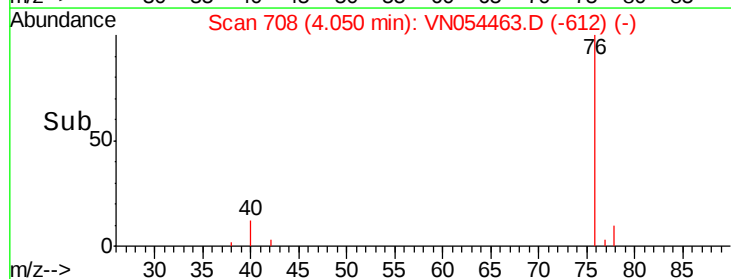
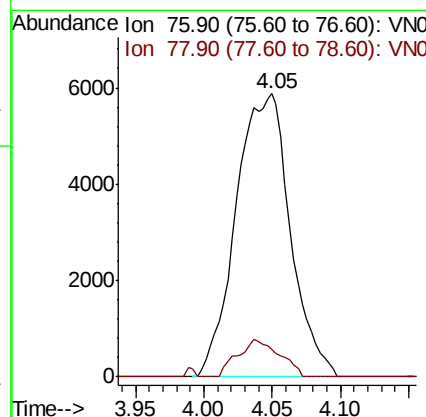
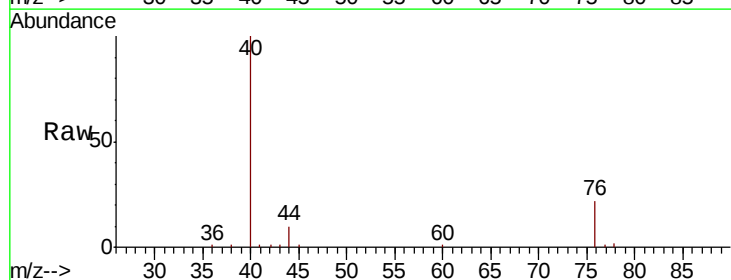
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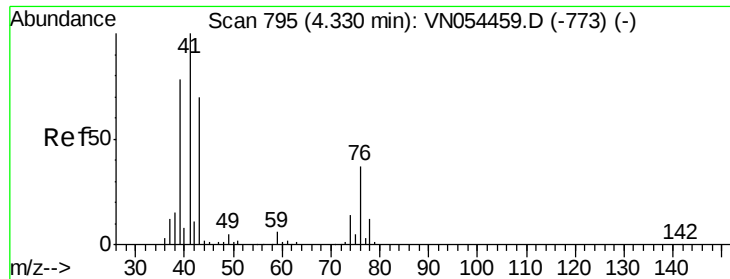
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#17
Carbon Disulfide
Concen: 1.147 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 76 Resp: 16214
Ion Ratio Lower Upper
76 100
78 9.7 7.5 11.3





#18

Methyl Acetate

Concen: 1.505 ug/l m

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 5024

Ion Ratio Lower Upper

43 100

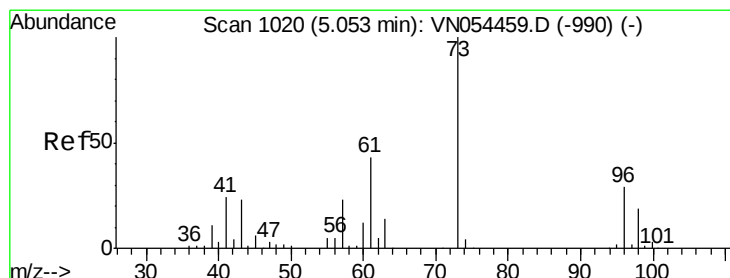
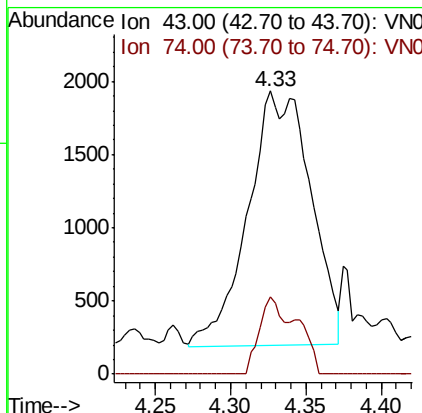
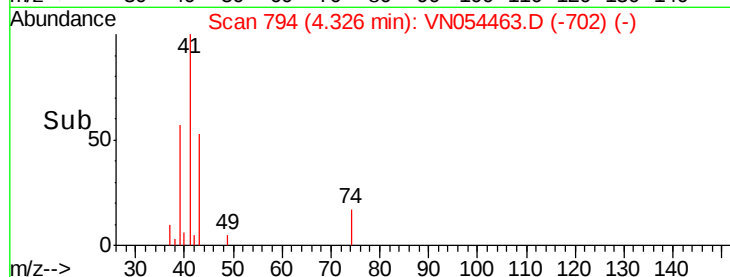
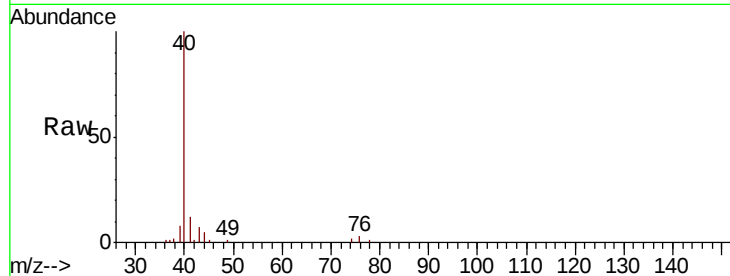
74 12.4 20.8 31.2#

Manual Integrations

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#19

Methyl tert-butyl Ether

Concen: 1.093 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VN054463.D

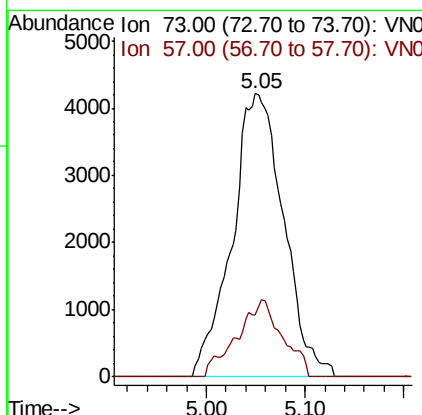
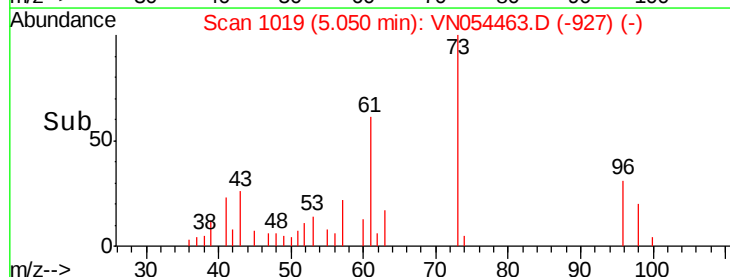
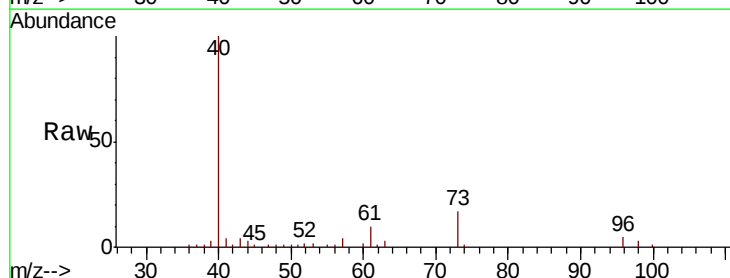
Acq: 20 Mar 2019 14:18

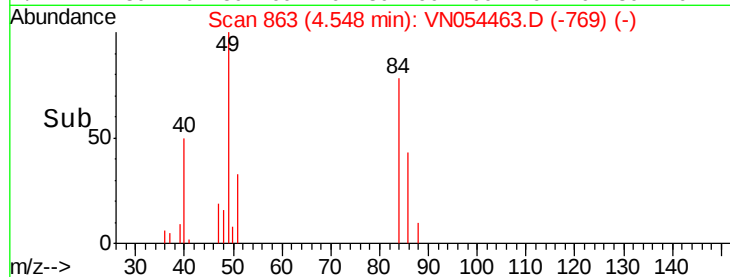
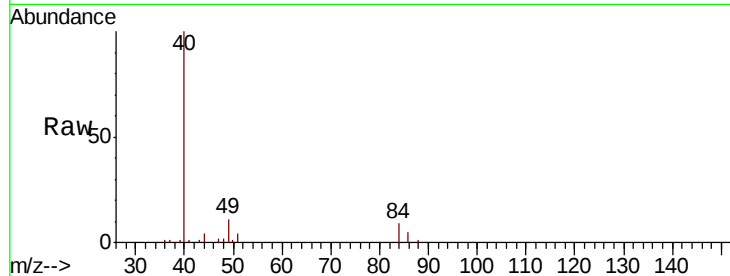
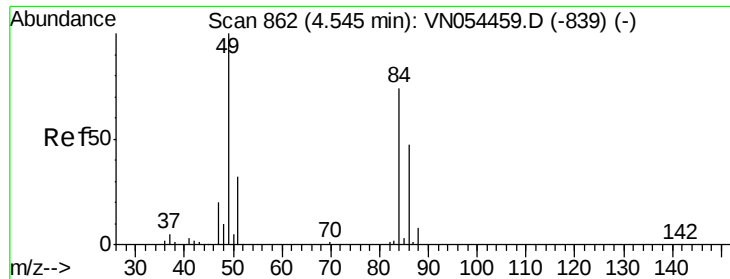
Tgt Ion: 73 Resp: 15270

Ion Ratio Lower Upper

73 100

57 22.0 16.8 25.2





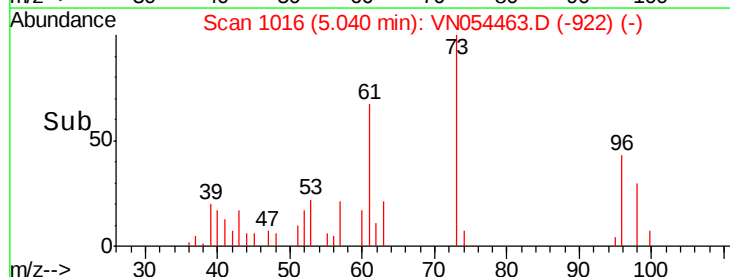
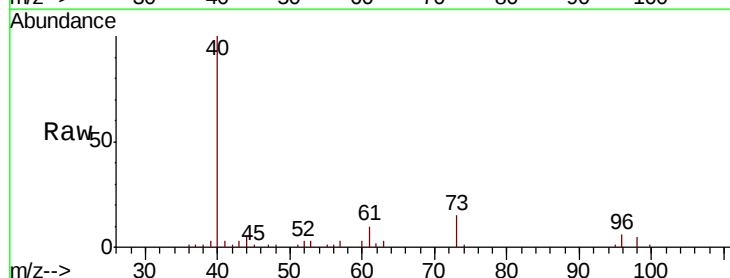
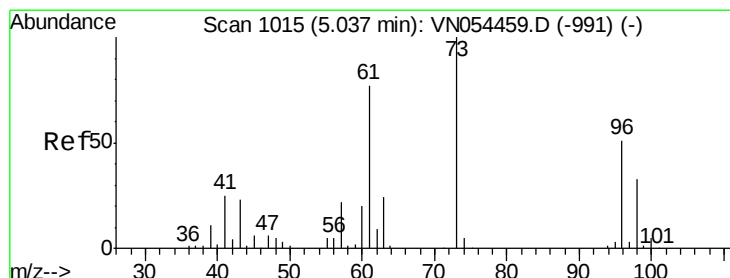
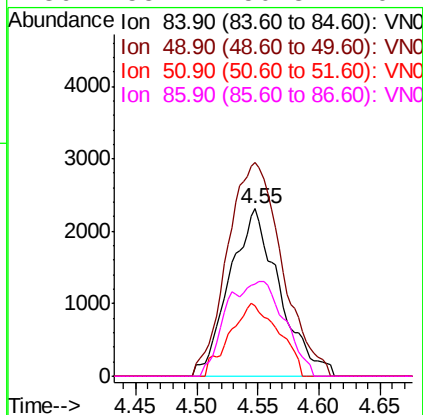
#20
Methvlene Chloride
Concen: 1.216 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tot Ion: 84 Resp: 6586
Ion Ratio Lower Upper
84 100
49 127.7 89.7 134.5
51 42.4 28.2 42.4#
86 55.4 50.8 76.2

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

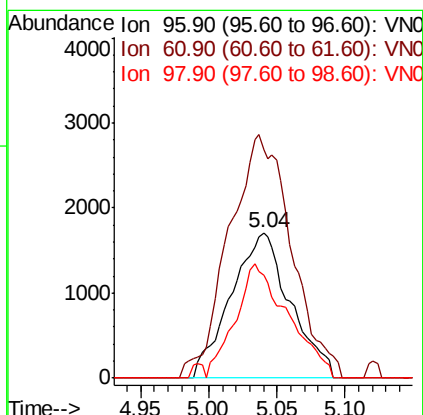
Manual Integrations
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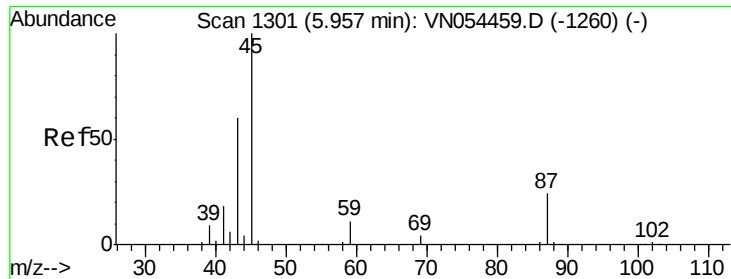
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#21
trans-1,2-Dichloroethene
Concen: 0.957 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 96 Resp: 5168
Ion Ratio Lower Upper
96 100
61 146.0 102.8 154.2
98 70.5 50.0 75.0





#22

Diisopropyl ether

Concen: 1.306 ug/l m

RT: 5.97 min Scan# 1305

Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

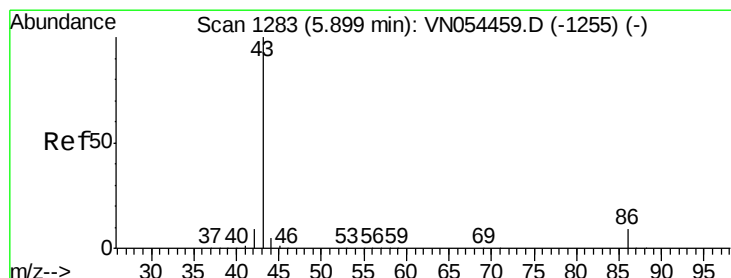
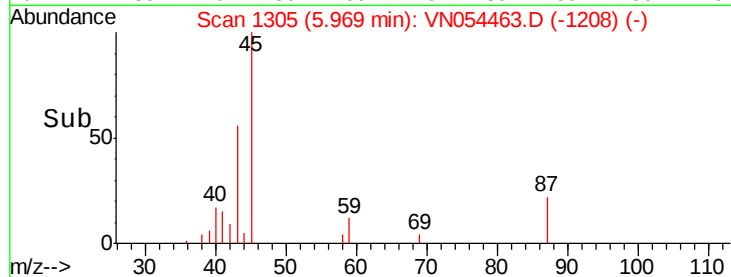
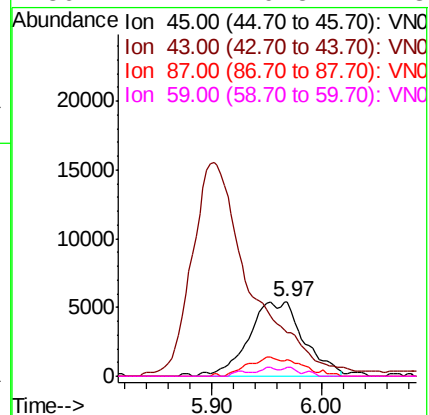
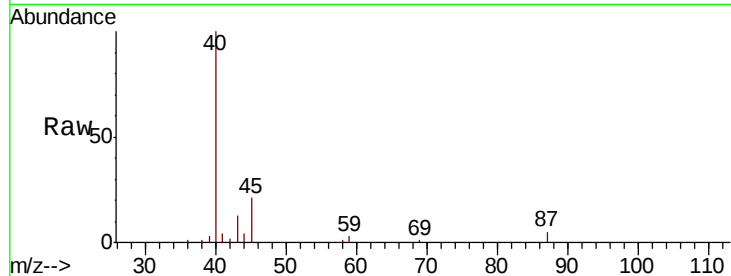
ClientSampleId :

VSTDIC001

Tot Ion:	45	Resp:	18853
Ion Ratio	Lower	Upper	
45	100		
43	59.0	48.2	72.2
87	22.2	24.9	37.3#
59	12.4	9.5	14.3

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#23

Vinyl Acetate

Concen: 5.498 ug/l

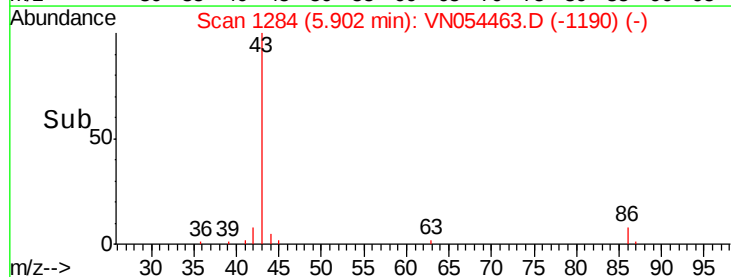
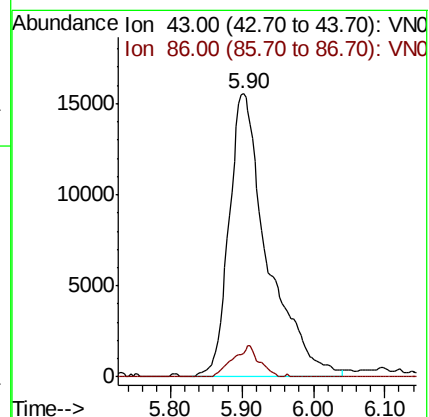
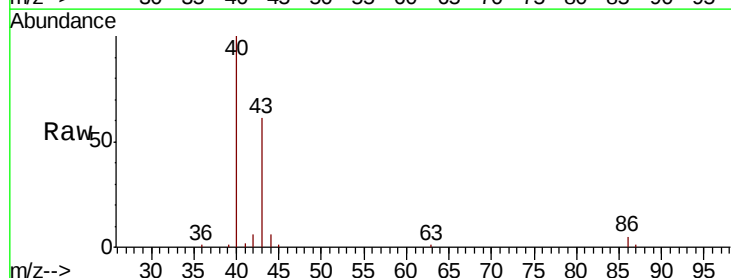
RT: 5.90 min Scan# 1284

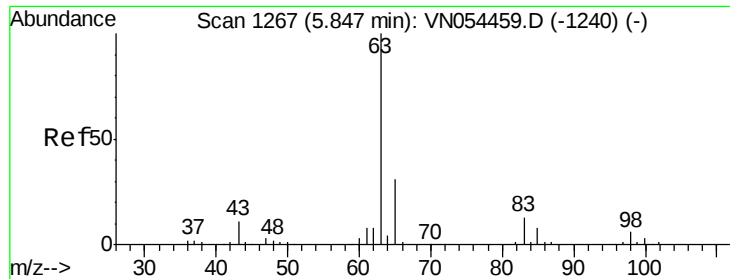
Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	43	Resp:	58515
Ion Ratio	Lower	Upper	
43	100		
86	8.2	9.1	13.7#





#24

1,1-Dichloroethane

Concen: 1.110 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

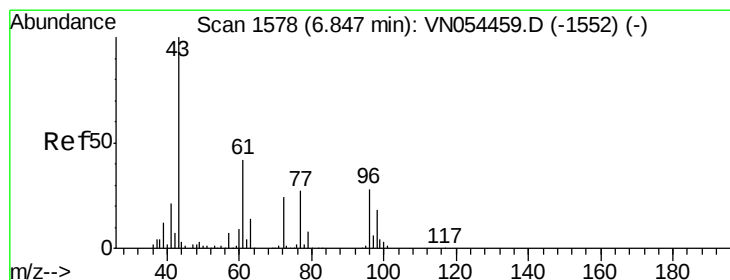
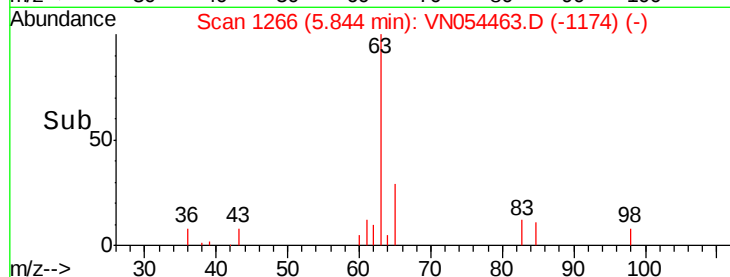
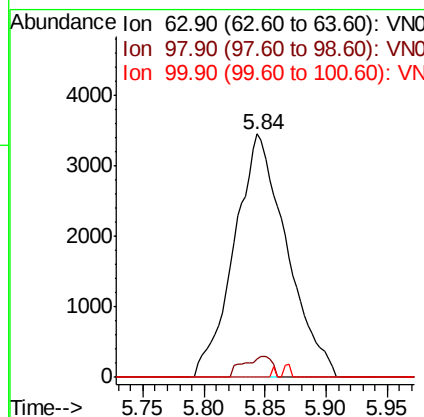
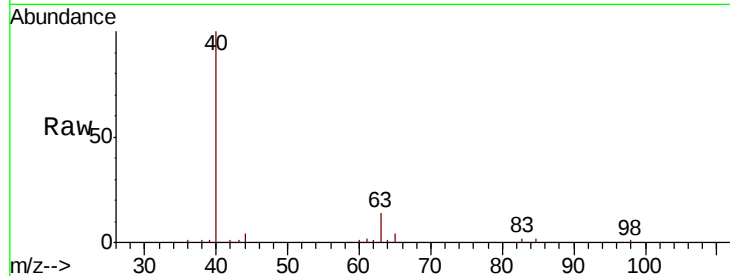
ClientSampleId :

VSTDIC001

Tot Ion:	63	Resp:	10287
Ion Ratio	Lower	Upper	
63	100		
98	7.5	3.5	10.5
100	0.0	2.0	6.0#

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#25

2-Butanone

Concen: 5.224 ug/l

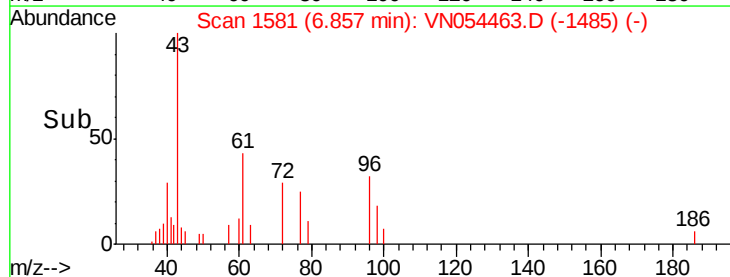
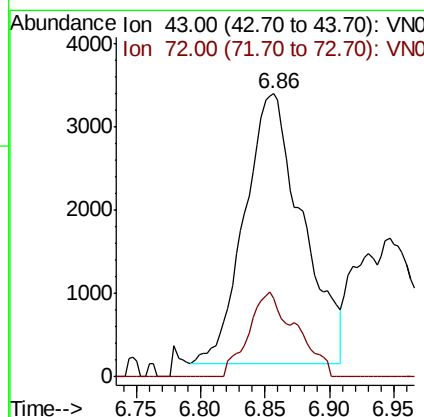
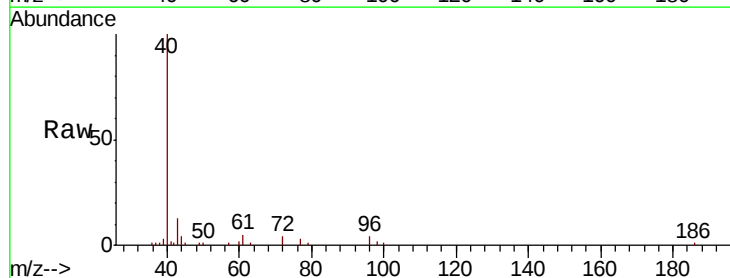
RT: 6.86 min Scan# 1581

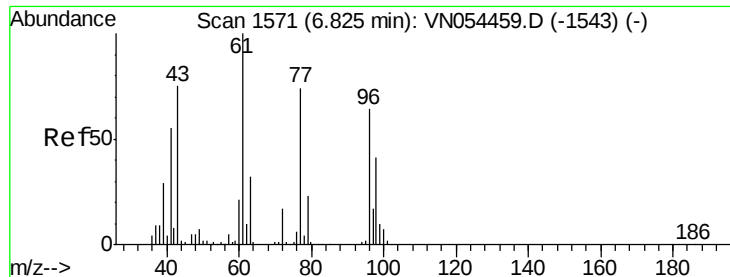
Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	43	Resp:	10116
Ion Ratio	Lower	Upper	
43	100		
72	29.0	23.0	34.6





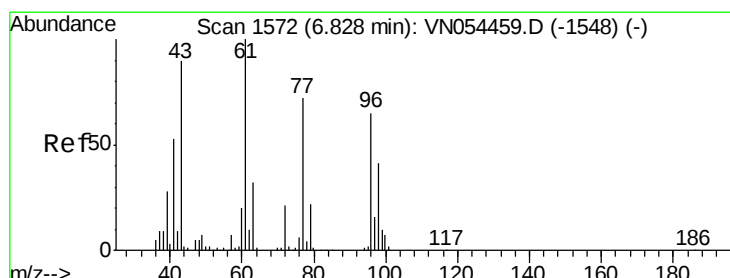
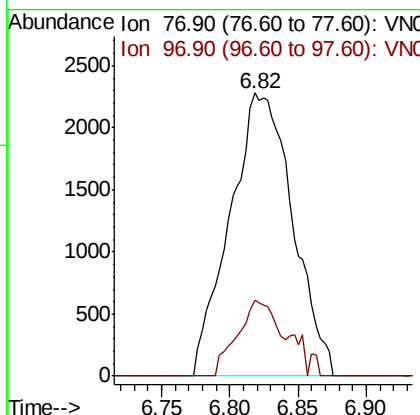
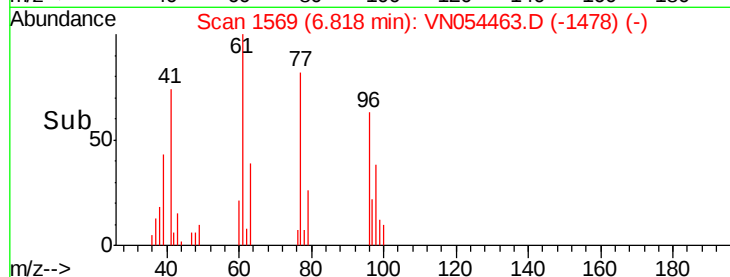
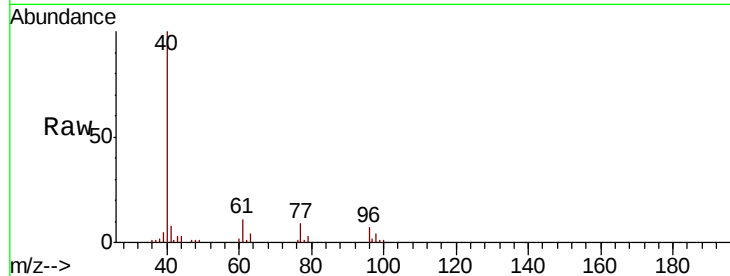
#26
 2,2-Dichloropropane
 Concen: 0.894 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 77 Resp: 7286
 Ion Ratio Lower Upper
 77 100
 97 17.0 11.9 35.9

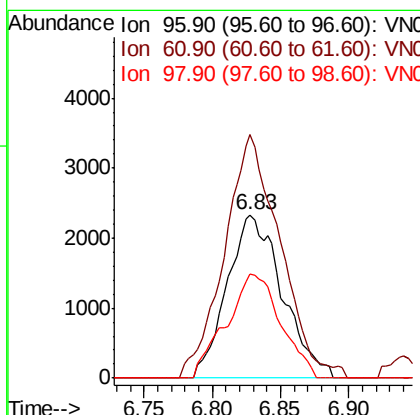
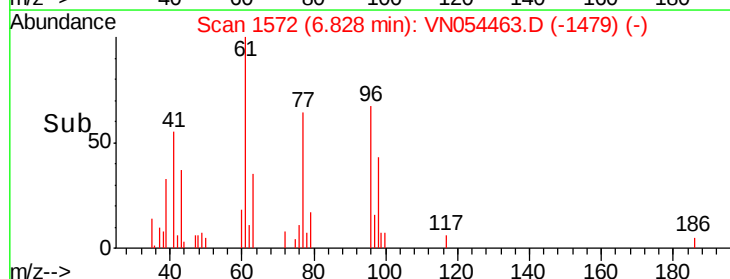
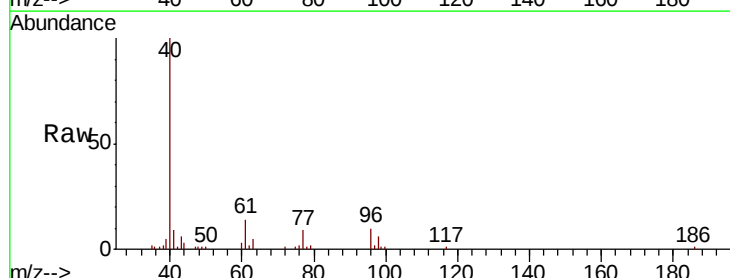
Manual Integrations
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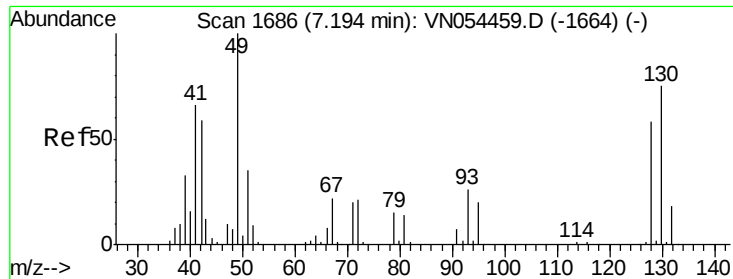
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#27
 cis-1,2-Dichloroethene
 Concen: 1.086 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 96 Resp: 6544
 Ion Ratio Lower Upper
 96 100
 61 150.6 0.0 273.0
 98 63.0 0.0 130.6





#28

Bromochloromethane

Concen: 1.324 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

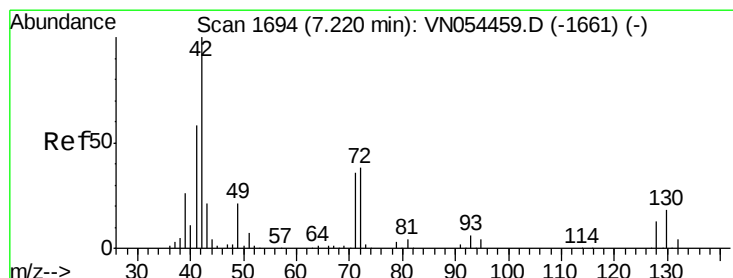
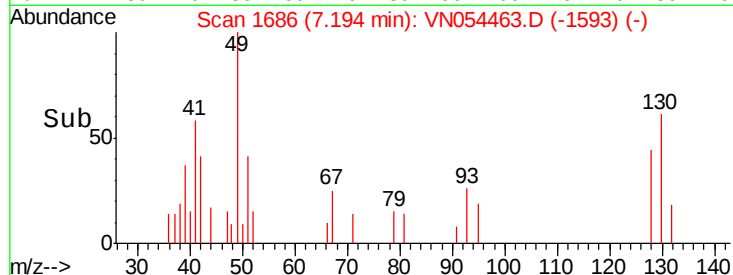
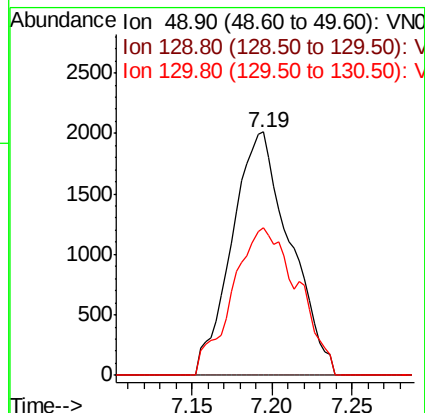
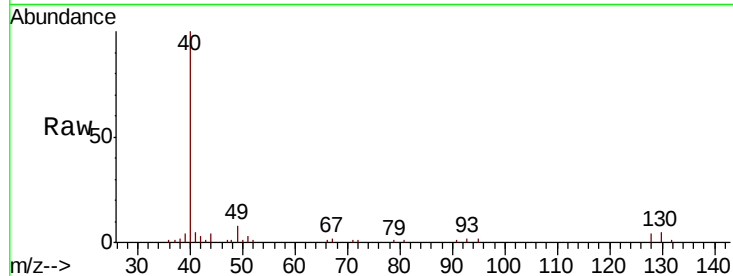
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	68.4	76.7	115.1#

Manual Integrations
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#29

Tetrahydrofuran

Concen: 5.508 ug/l

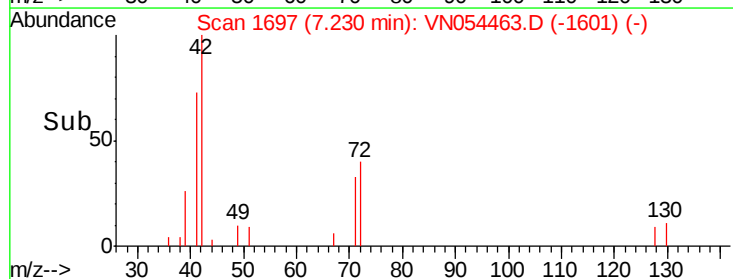
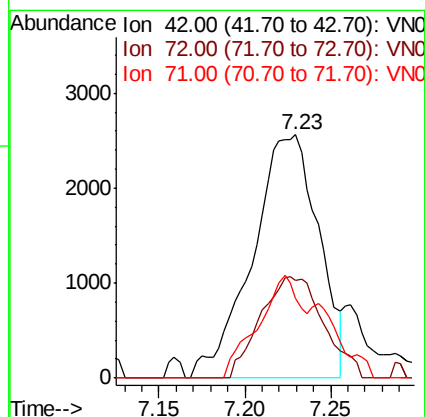
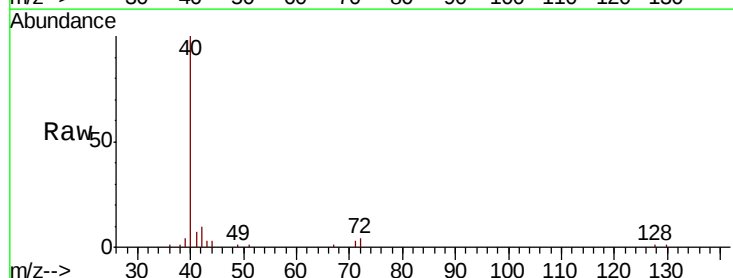
RT: 7.23 min Scan# 1697

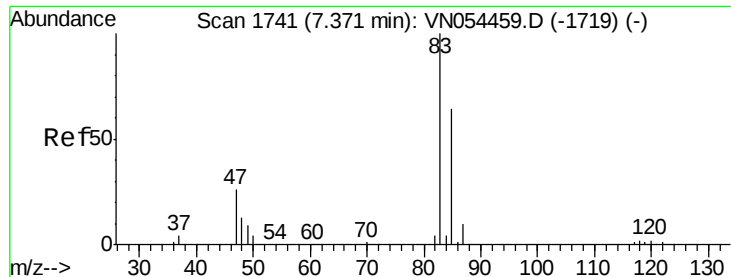
Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.6	37.8	56.6
71	27.6	36.2	54.2#





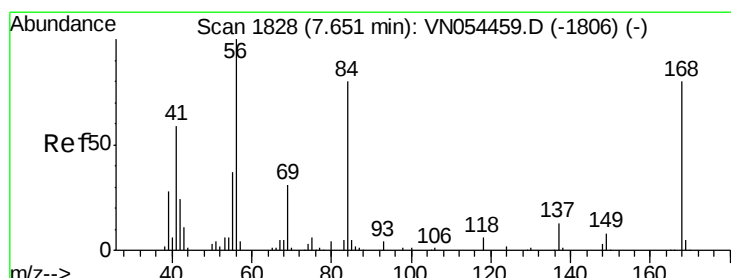
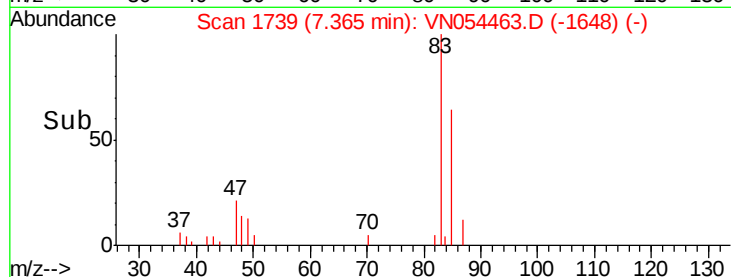
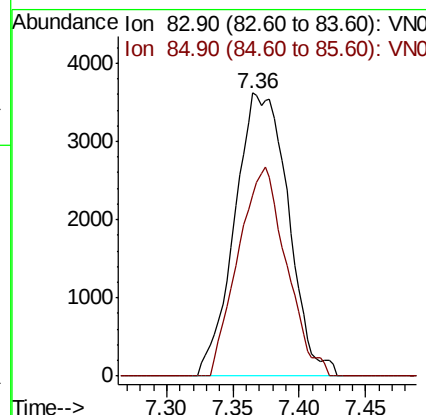
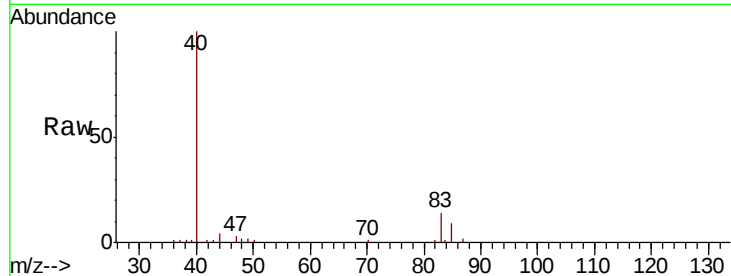
#30
Chloroform
Concen: 1.052 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 83 Resp: 10172
Ion Ratio Lower Upper
83 100
85 63.8 52.2 78.4

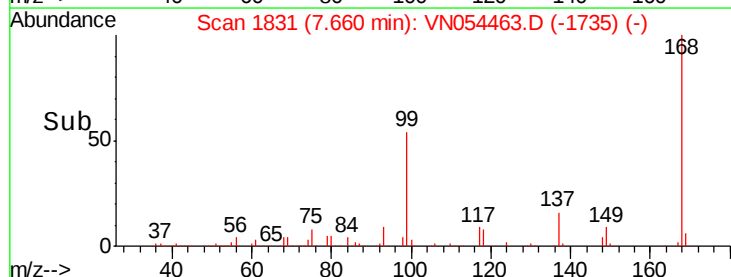
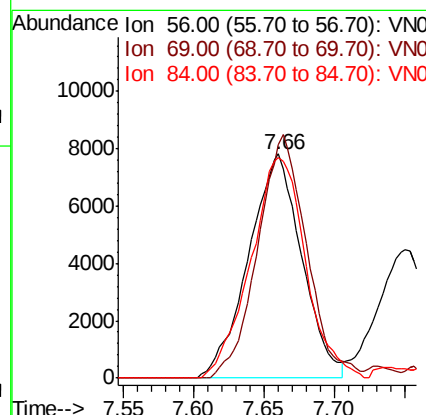
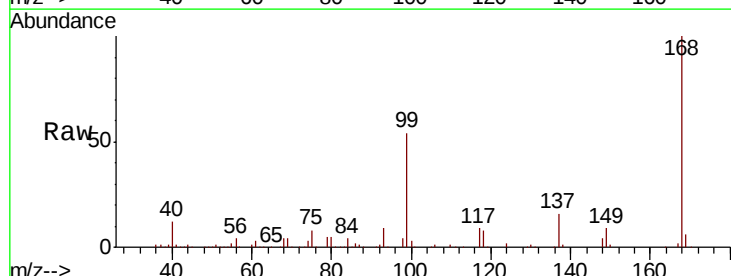
Manual Integrations
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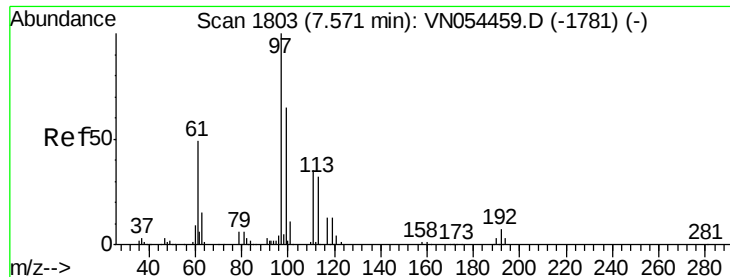
MMDadoda
3/22/2019 3:17:25 PM



#31
Cyclohexane
Concen: 2.057 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 56 Resp: 20518
Ion Ratio Lower Upper
56 100
69 104.4 27.8 41.6#
84 98.4 74.6 111.8





#32

1,1,1-Trichloroethane

Concen: 0.834 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

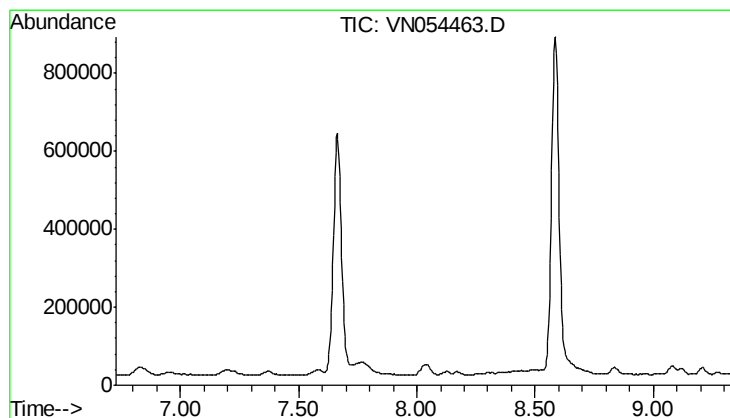
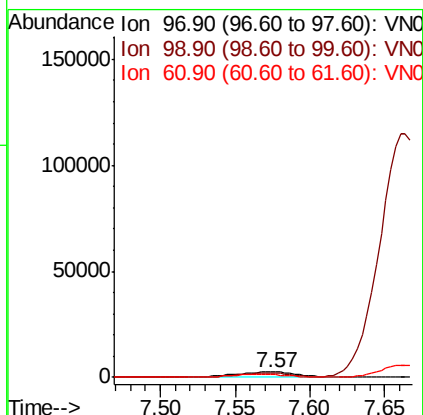
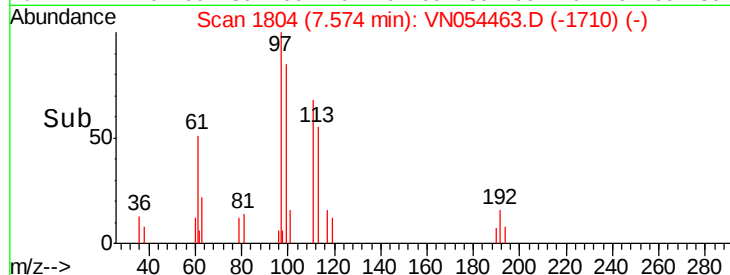
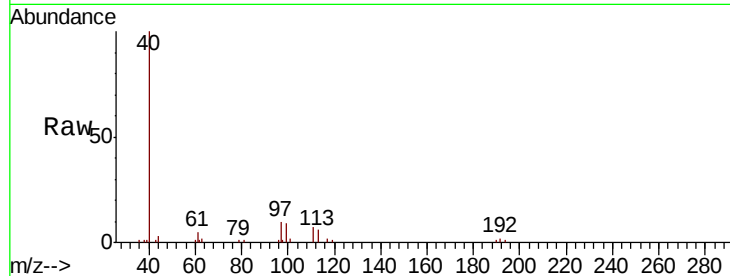
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	53.5	33.6	50.4#

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN054463.D

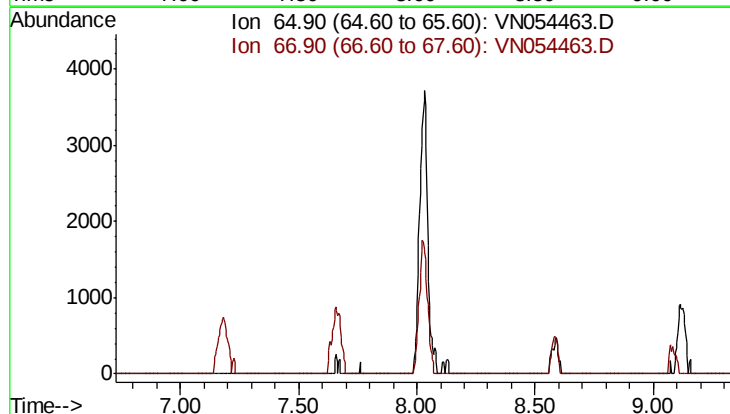
Acq: 20 Mar 2019 14:18

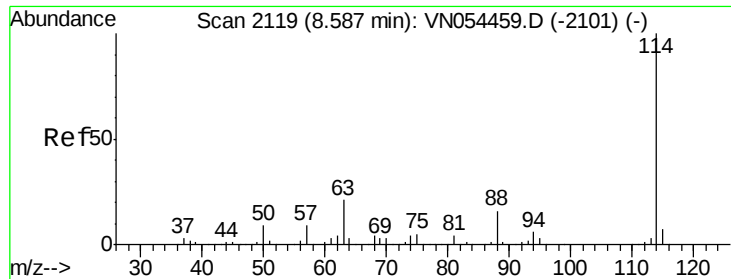
Tgt Ion: 65

Sig Exp Ratio

65 100

67 52.3





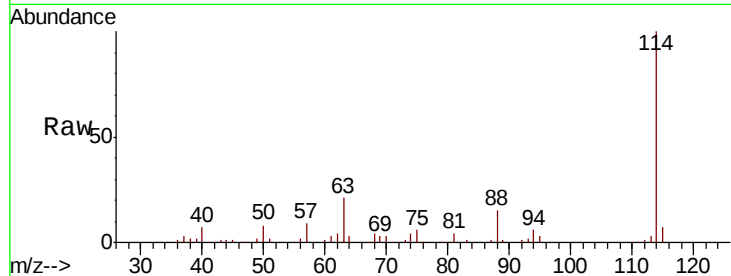
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

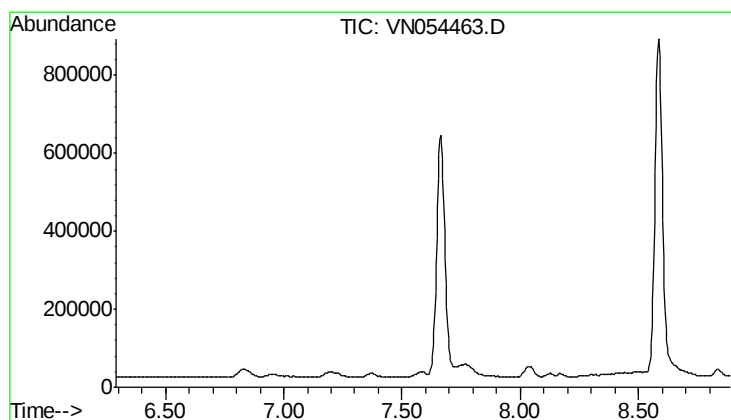
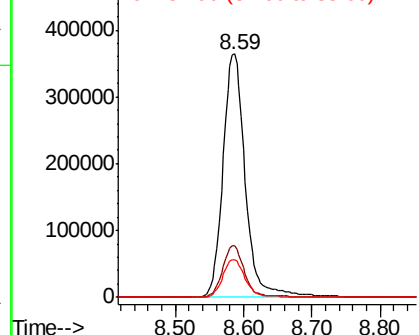
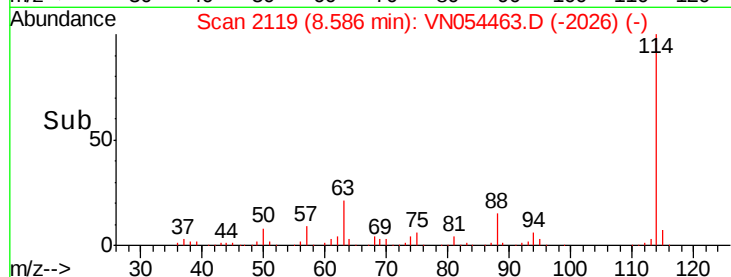
Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	21.0	0.0	35.2
88	15.3	0.0	30.2

Manual Integrations
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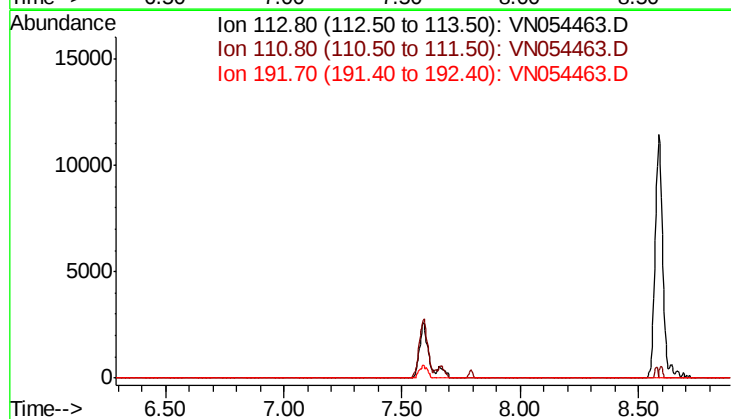


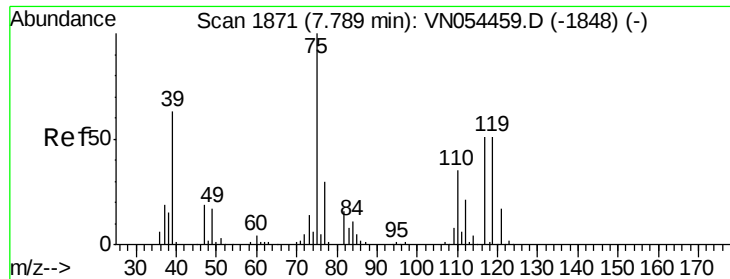
Abundance Ion 113.90 (113.60 to 114.60): VN054463.D
 Ion 63.00 (62.70 to 63.70): VN054463.D
 Ion 87.90 (87.60 to 88.60): VN054463.D



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion	Exp Ratio
113	100
111	102.8
192	24.0





#36

1,1-Dichloropropene

Concen: 1.135 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

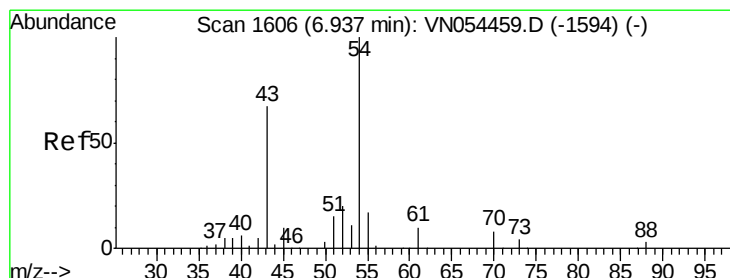
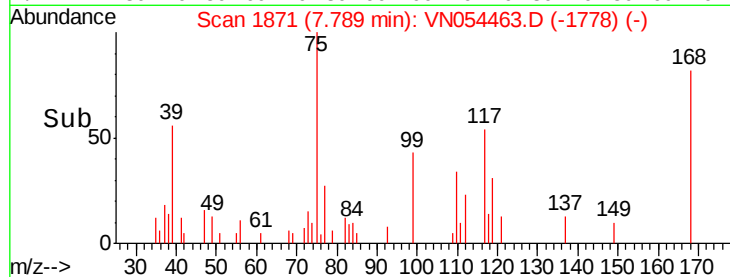
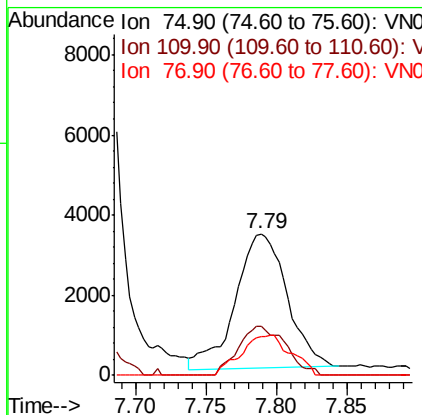
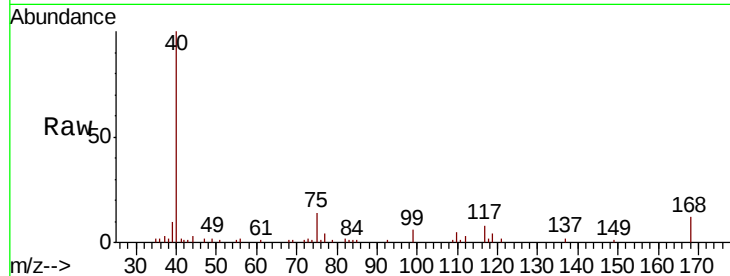
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	8686
Ion Ratio	Lower	Upper	
75	100		
110	33.2	19.1	57.5
77	28.4	25.0	37.4

Manual Integrations
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#37

Ethyl Acetate

Concen: 1.130 ug/l m

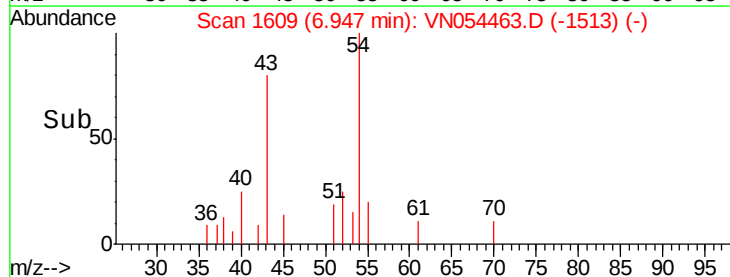
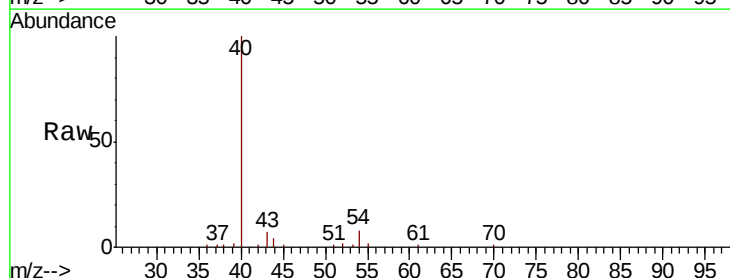
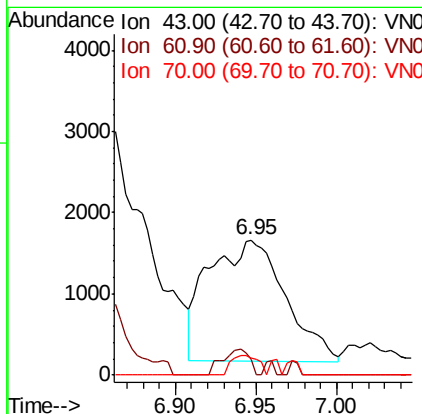
RT: 6.95 min Scan# 1609

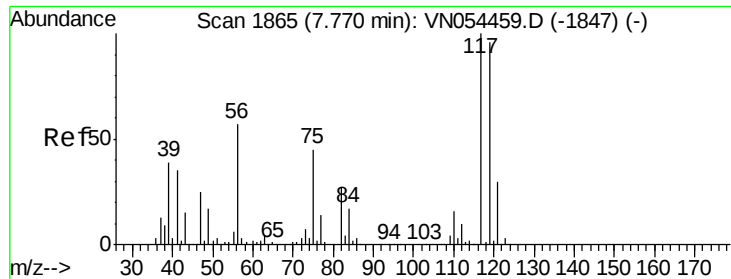
Delta R.T. 0.01 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	43	Resp:	4970
Ion Ratio	Lower	Upper	
43	100		
61	7.3	11.8	17.6#
70	5.6	8.4	12.6#





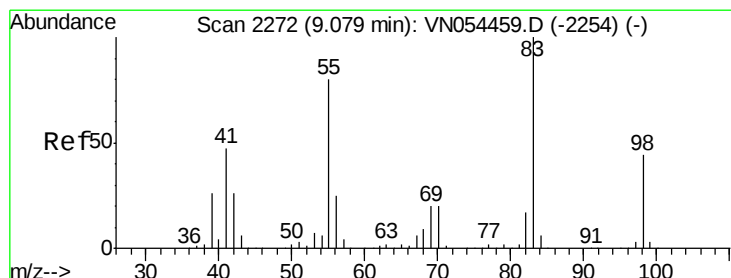
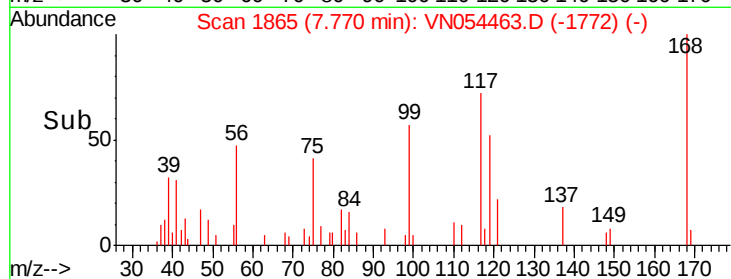
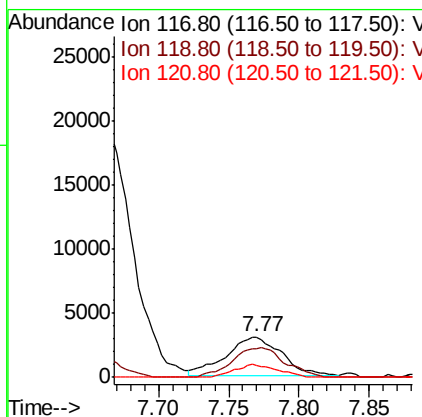
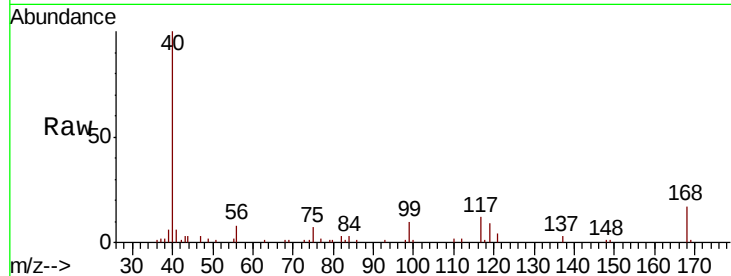
#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	76.5	76.3	114.5
121	32.3	24.6	36.8

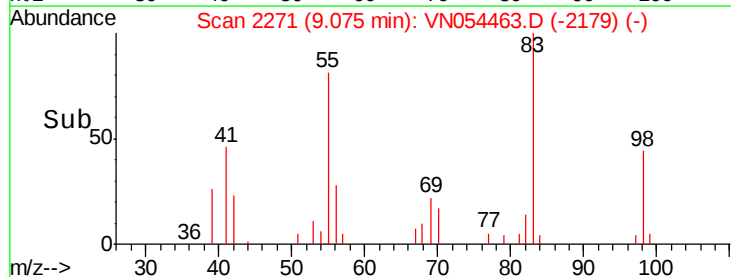
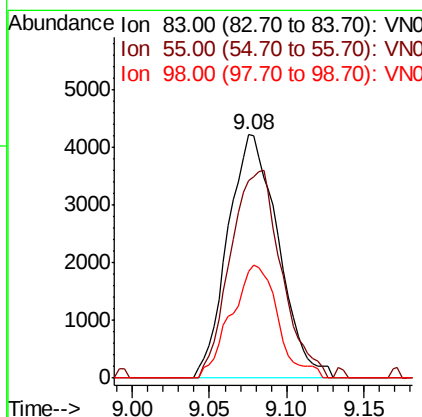
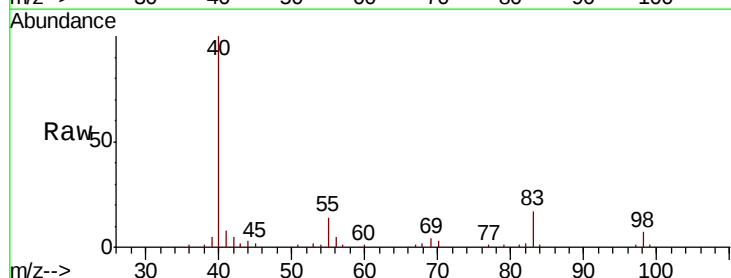
Manual Integrations
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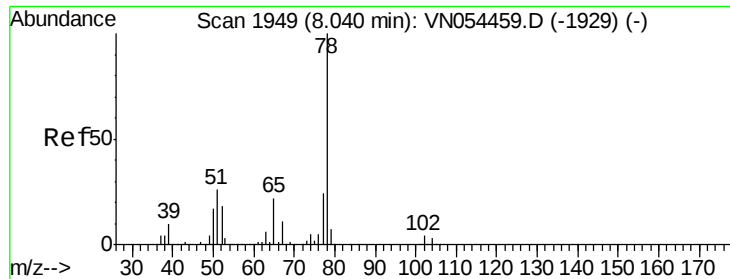
MMDadoda
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#39
Methylcyclohexane
Concen: 1.013 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.2	56.6	84.8
98	43.5	38.4	57.6





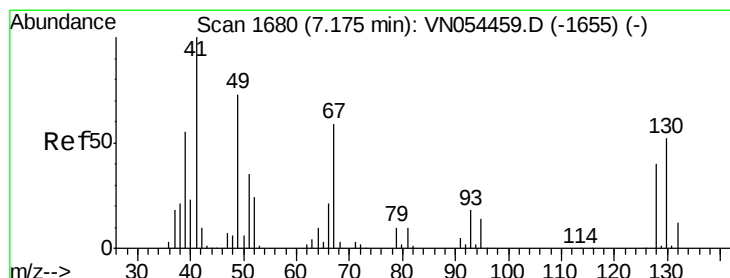
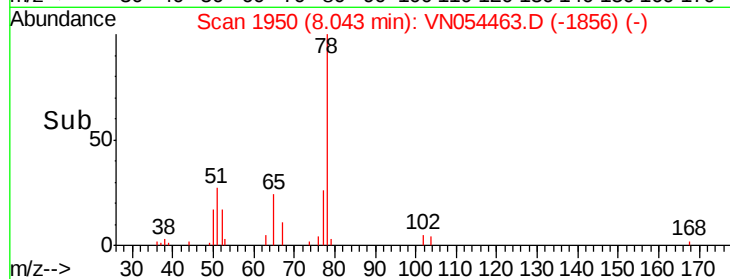
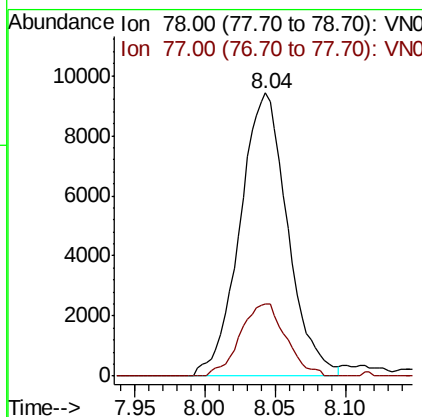
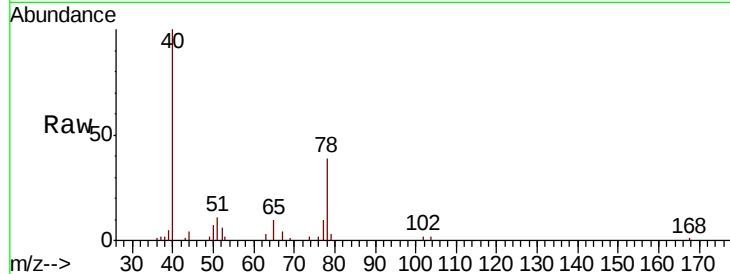
#40
Benzene
Concen: 1.016 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 22254
Ion Ratio Lower Upper
78 100
77 25.6 19.1 28.7

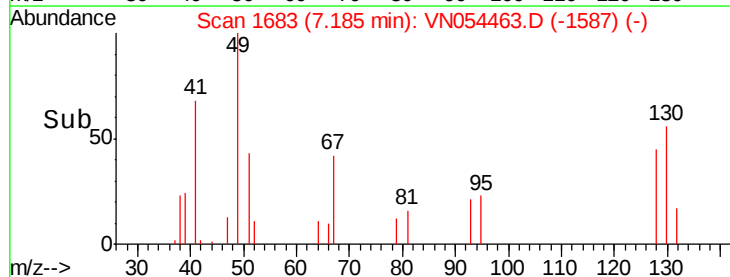
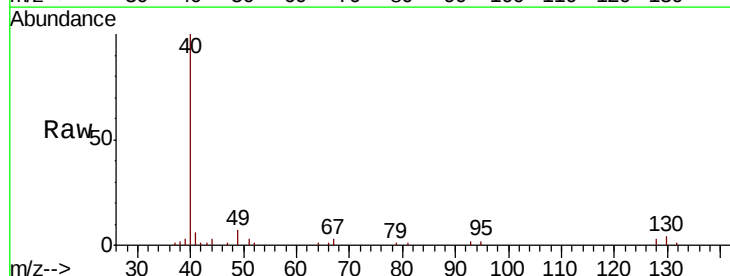
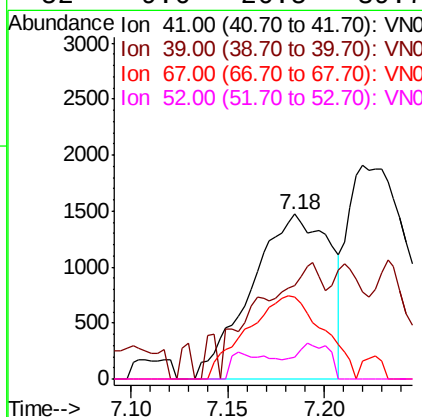
Manual Integrations
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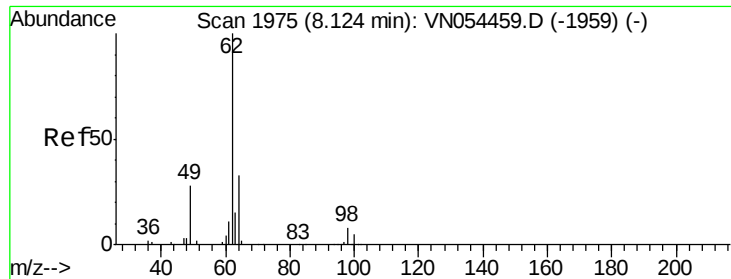
MMDadoda
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#41
Methacrylonitrile
Concen: 1.656 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 41 Resp: 4159
Ion Ratio Lower Upper
41 100
39 0.0 46.8 70.2#
67 49.1 67.0 100.4#
52 9.6 26.5 39.7#





#42

1,2-Dichloroethane

Concen: 1.171 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 8658

Ion Ratio Lower Upper

62 100

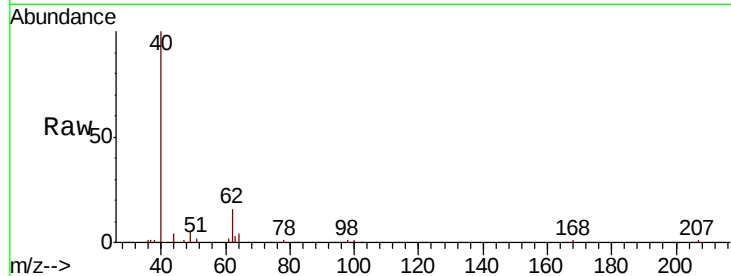
98 6.7 0.0 18.4

Manual Integrations

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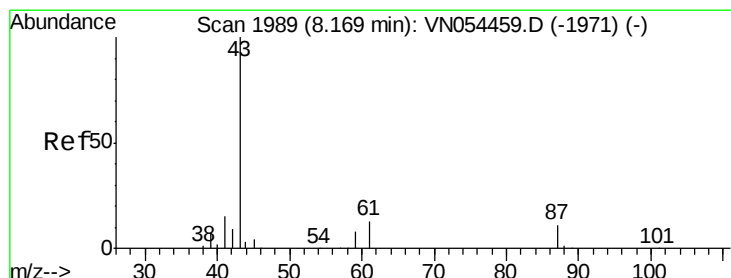
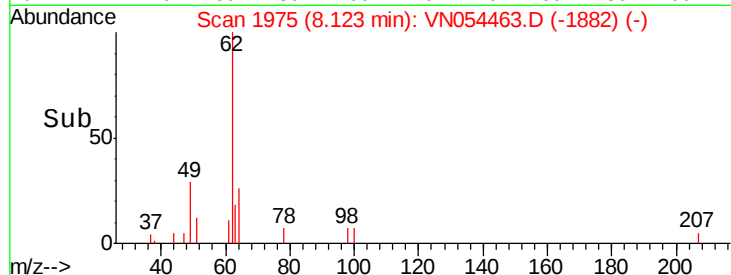
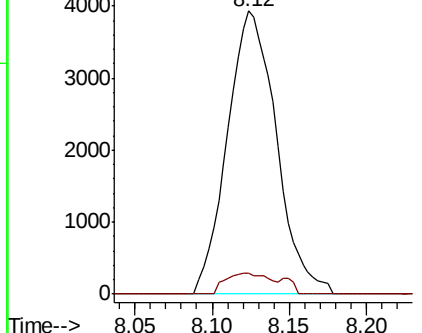
MMDadoda

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Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 1.102 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

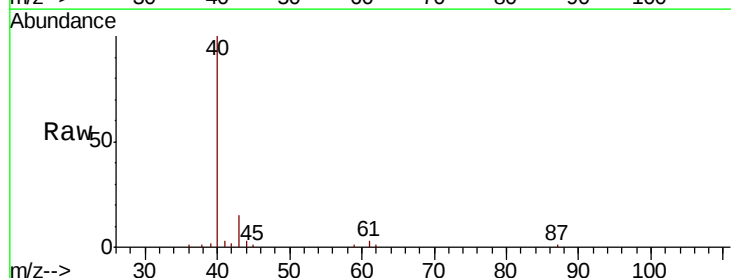
Tgt Ion: 43 Resp: 8507

Ion Ratio Lower Upper

43 100

61 18.9 15.8 23.8

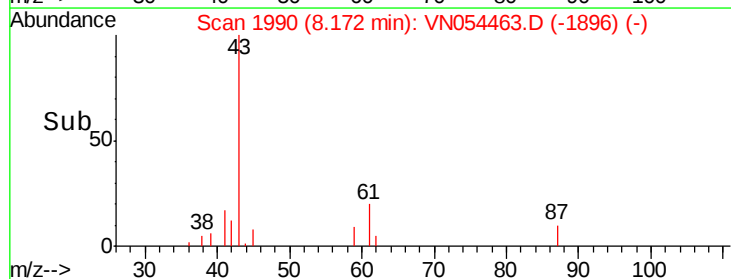
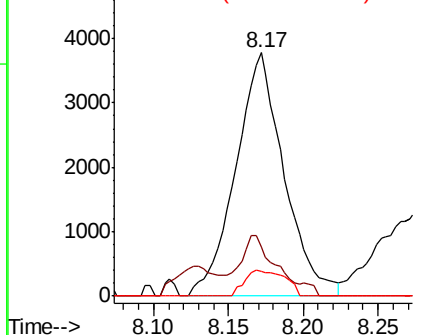
87 8.7 12.0 18.0#

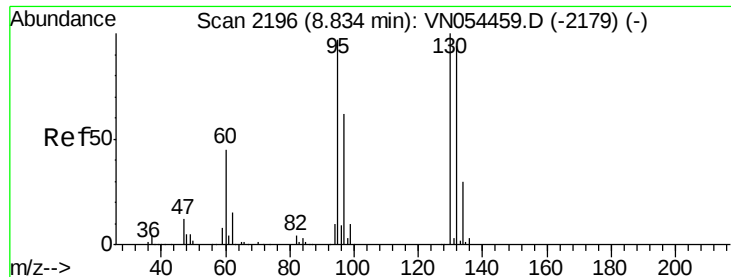


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 0.955 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 6495

Ion Ratio Lower Upper

130 100

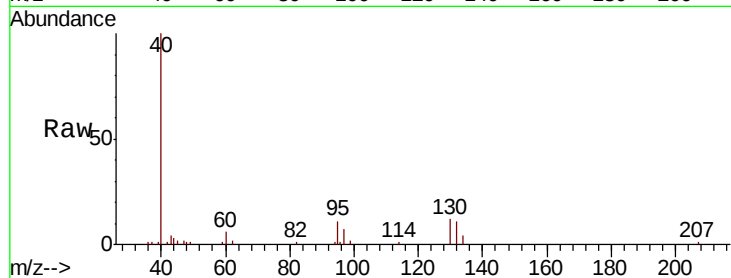
95 95.8 0.0 185.2

Manual Integrations

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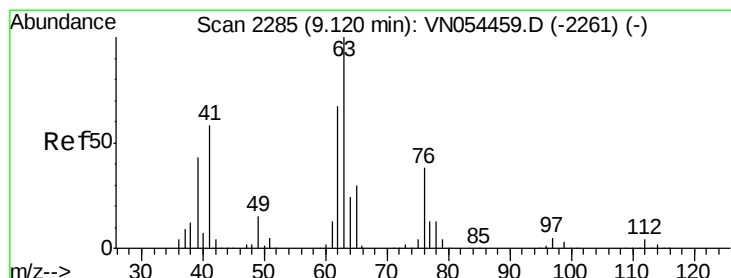
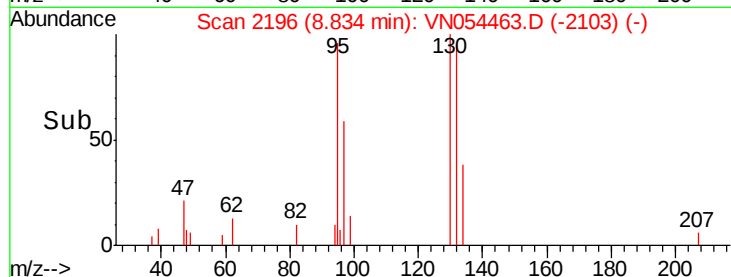
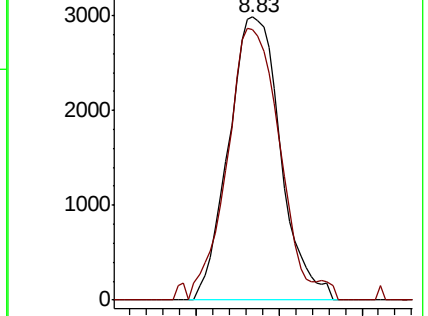
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 1.040 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054463.D

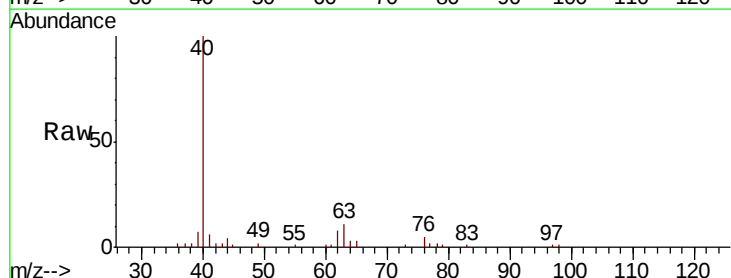
Acq: 20 Mar 2019 14:18

Tgt Ion: 63 Resp: 5655

Ion Ratio Lower Upper

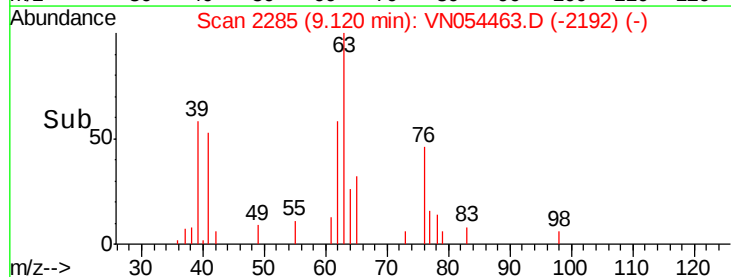
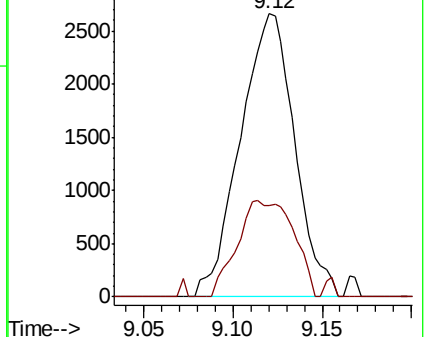
63 100

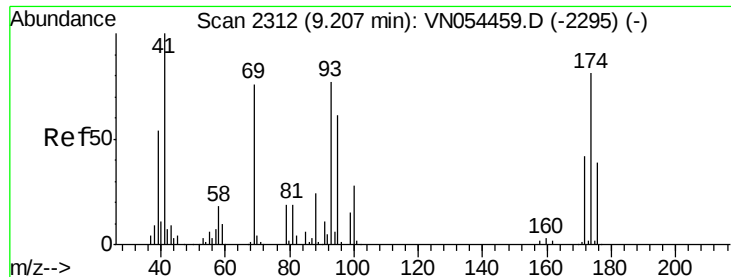
65 32.1 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





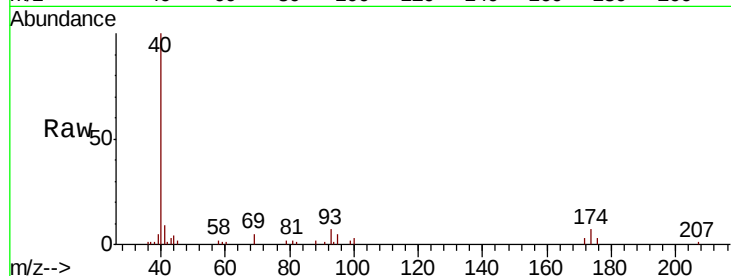
#46
Dibromomethane
Concen: 0.945 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	107.9	98.5	147.7

Manual Integrations
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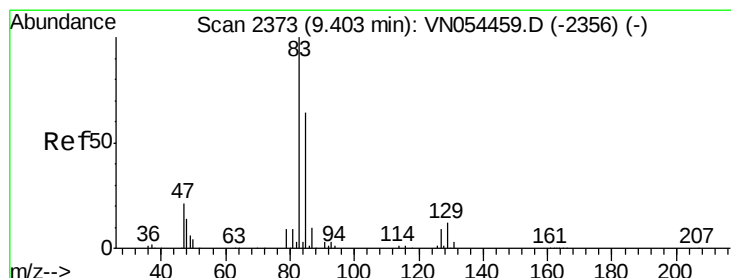
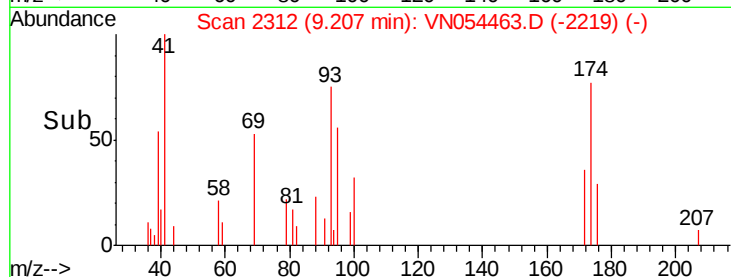
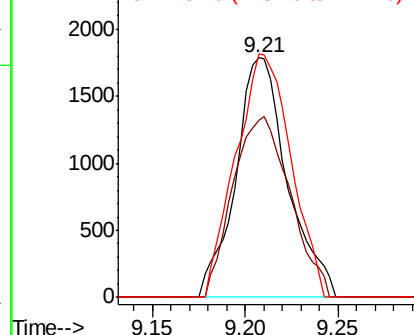


Abundance

Ion 92.80 (92.50 to 93.50): VN054459.D (-2295) (-)

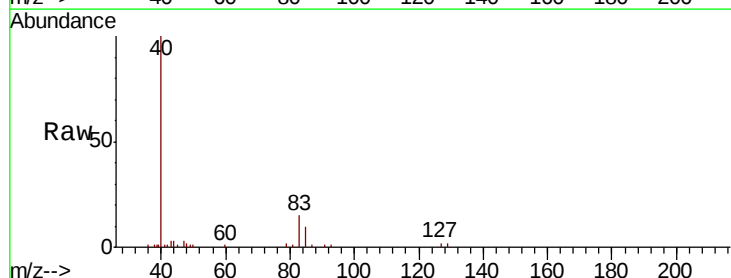
Ion 94.80 (94.50 to 95.50): VN054459.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN054459.D (-2295) (-)



#47
Bromodichloromethane
Concen: 0.949 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	11.6	7.4	11.2#

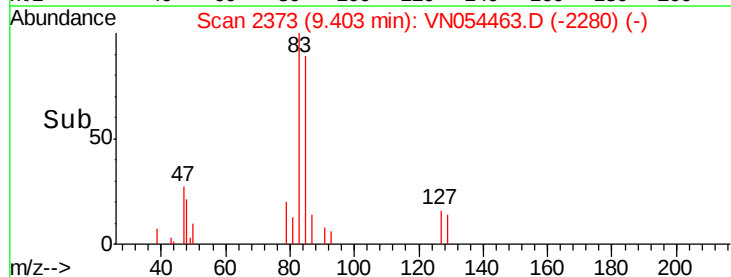
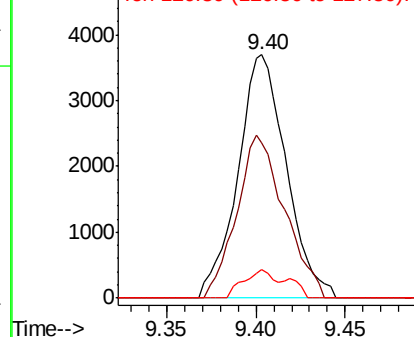


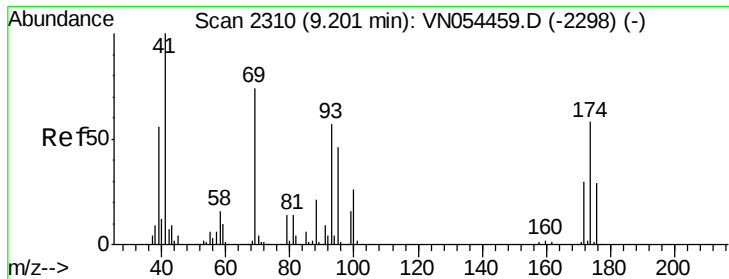
Abundance

Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)





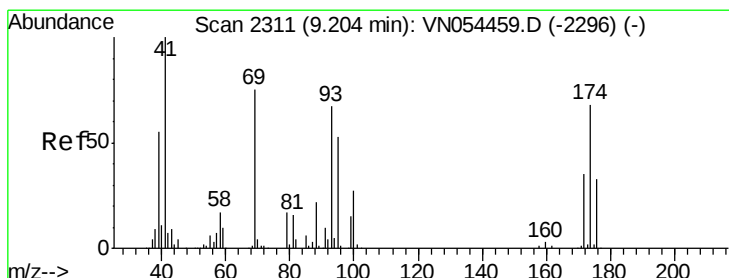
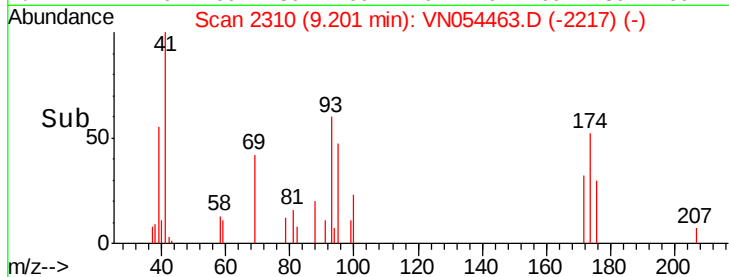
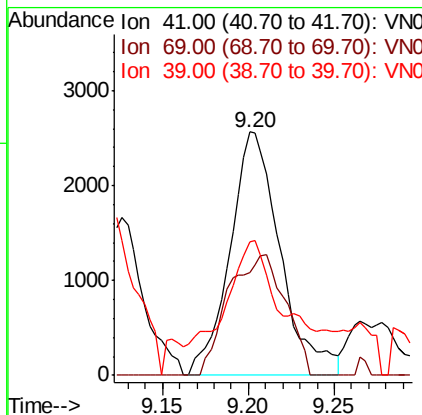
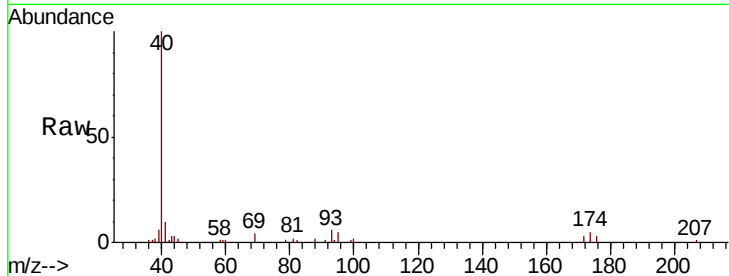
#48
Methvl methacrvlate
Concen: 1.333 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 41 Resp: 5224
Ion Ratio Lower Upper
41 100
69 56.3 72.6 108.8#
39 42.1 47.5 71.3#

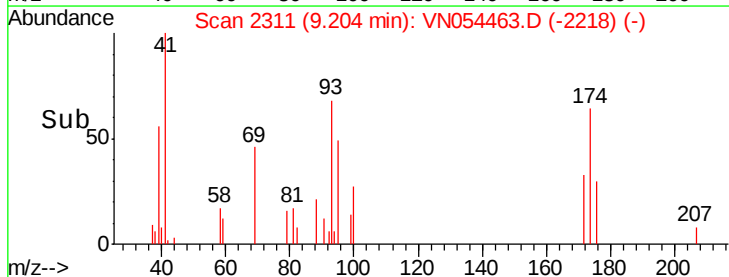
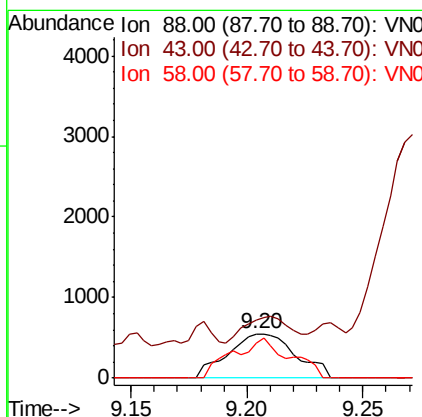
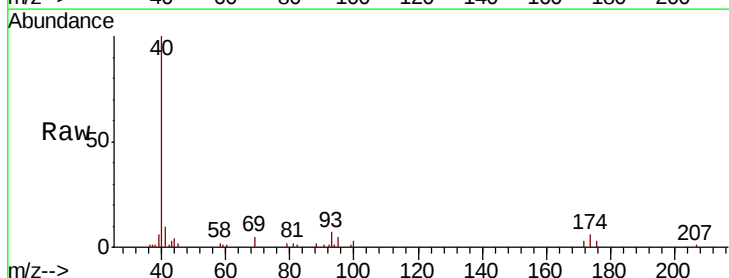
Manual Integrations
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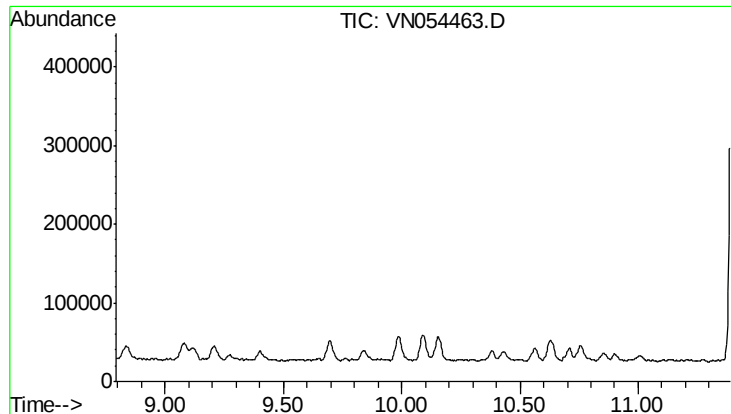
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#49
1,4-Dioxane
Concen: 19.977 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 88 Resp: 1107
Ion Ratio Lower Upper
88 100
43 42.3 24.1 36.1#
58 77.4 50.8 76.2#





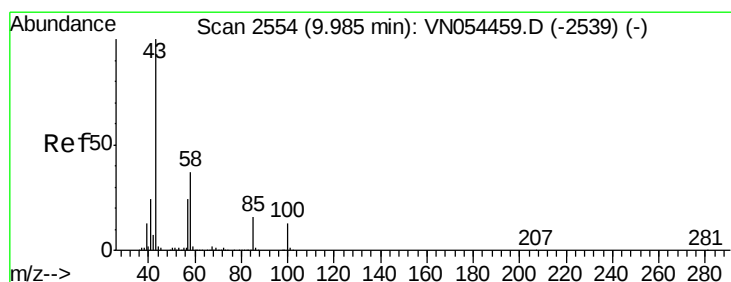
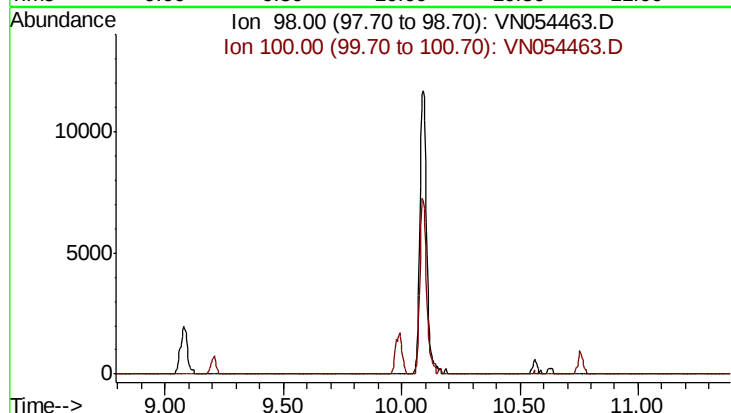
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.0

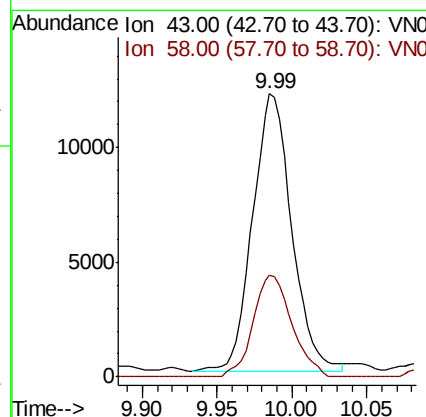
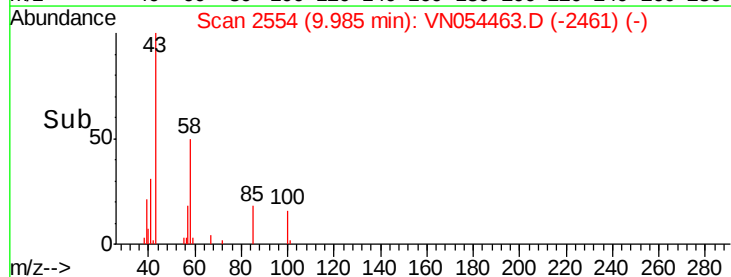
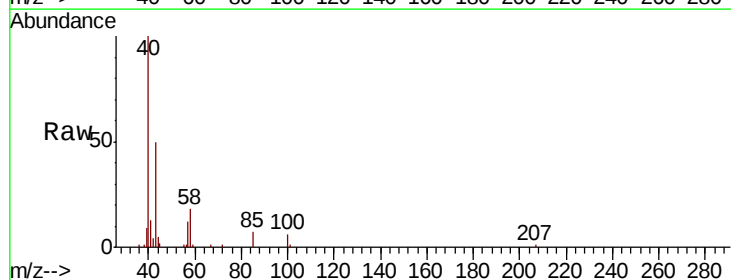
Manual Integrations
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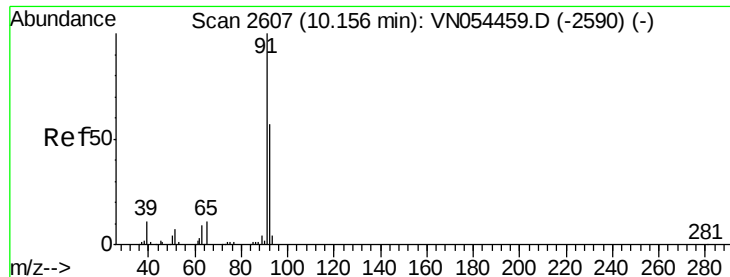
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 5.381 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion: 43 Resp: 21984
Ion Ratio Lower Upper
43 100
58 36.2 31.8 47.6





#52

Toluene

Concen: 0.978 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 13584

Ion Ratio Lower Upper

92 100

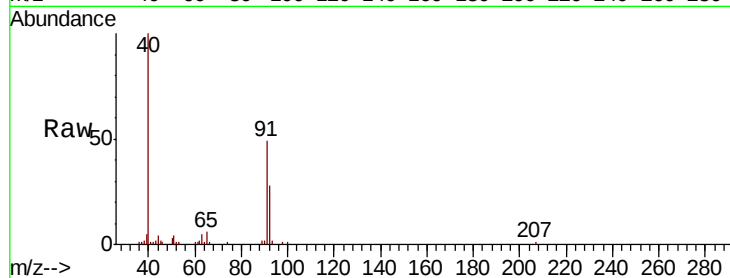
91 171.7 140.7 211.1

Manual Integrations

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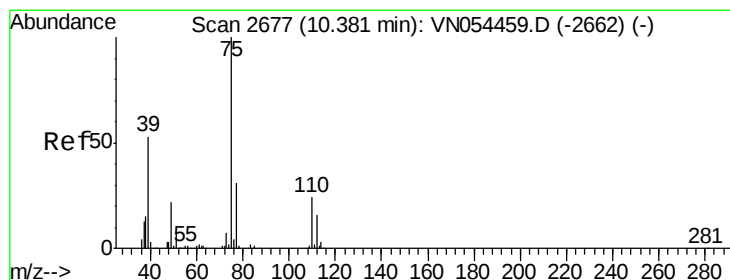
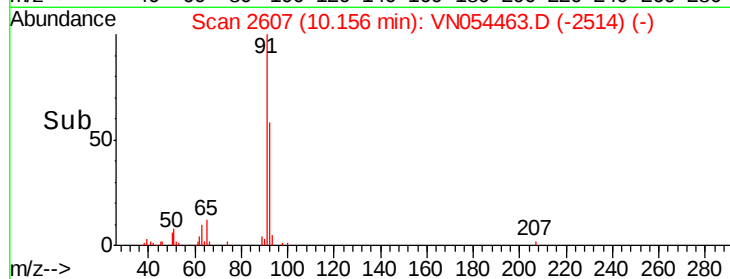
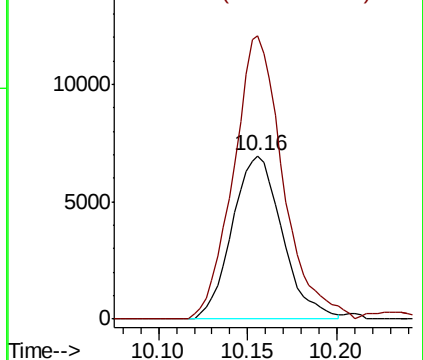
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Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)



#53

t-1,3-Dichloropropene

Concen: 0.745 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054463.D

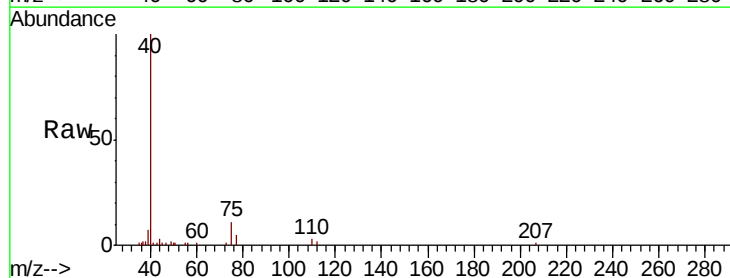
Acq: 20 Mar 2019 14:18

Tgt Ion: 75 Resp: 5586

Ion Ratio Lower Upper

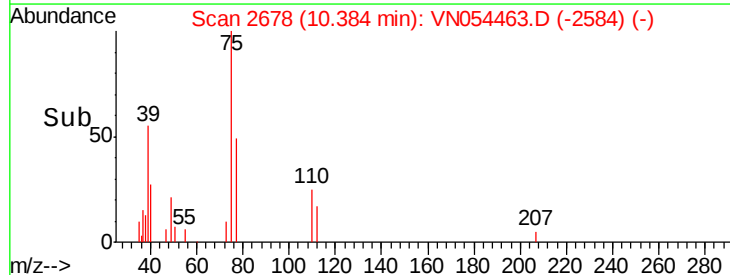
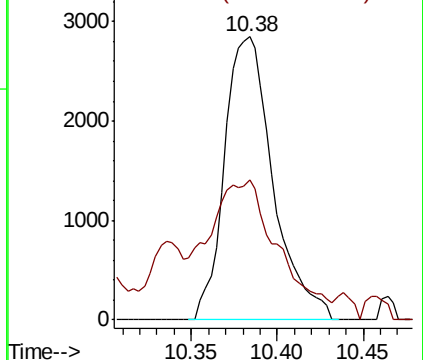
75 100

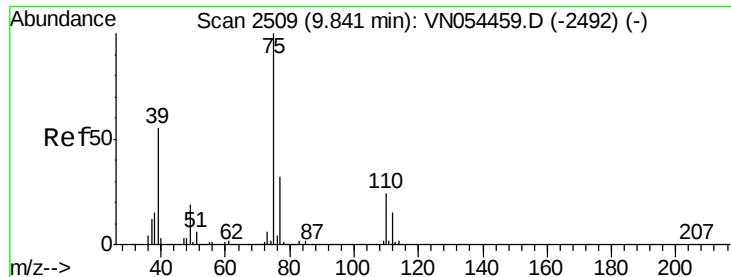
77 41.1 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054459.D (-2662) (-)





#54

cis-1,3-Dichloropropene

Concen: 0.836 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

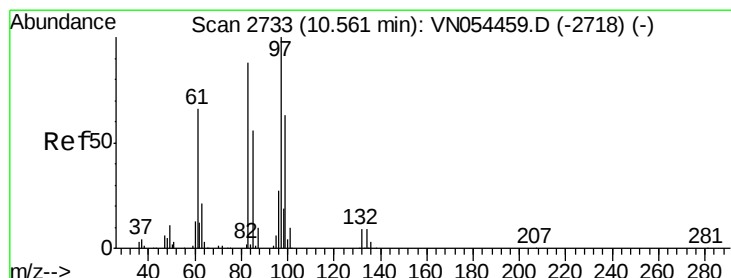
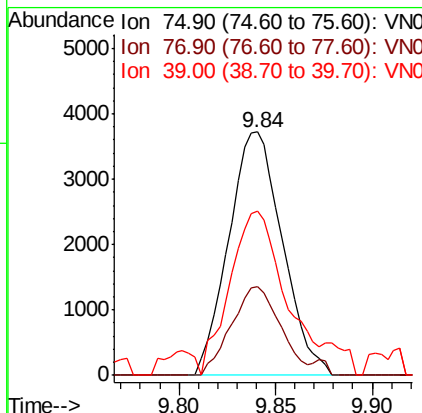
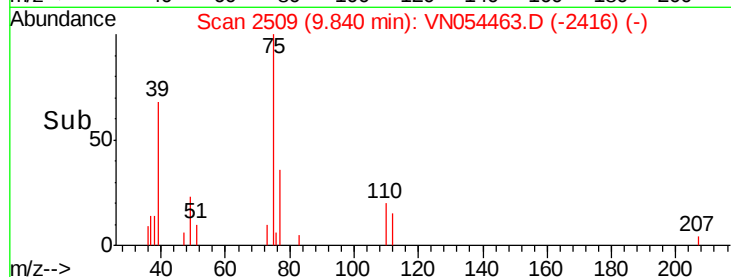
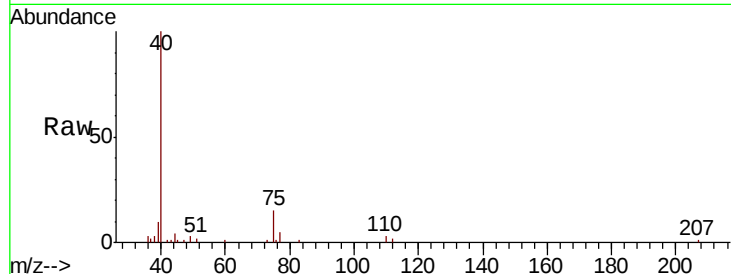
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	7177
Ion	Ratio	Lower	Upper
75	100		
77	36.3	25.4	38.0
39	58.7	37.2	55.8#

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#55

1,1,2-Trichloroethane

Concen: 0.943 ug/l

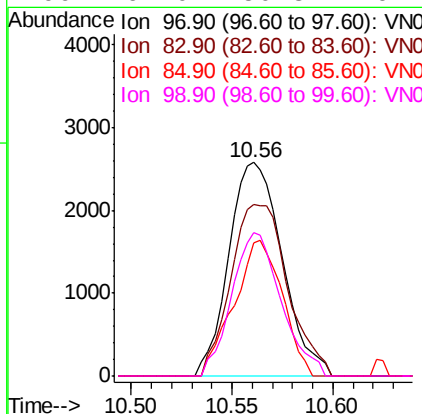
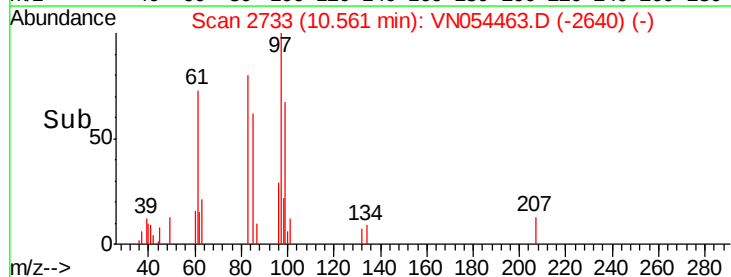
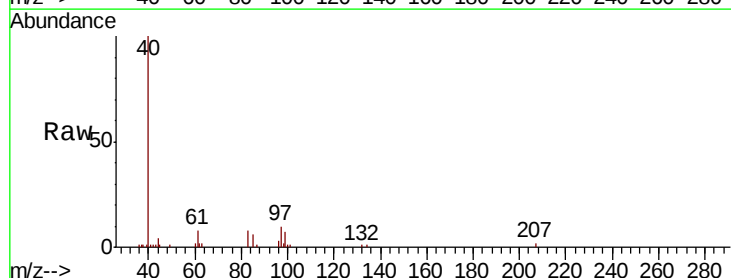
RT: 10.56 min Scan# 2733

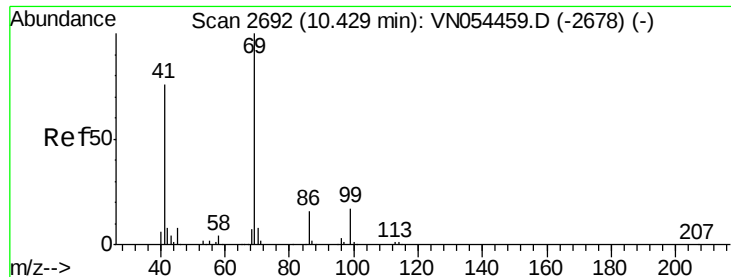
Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	97	Resp:	4784
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.6	100.0
85	62.3	44.4	66.6
99	67.0	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.918 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

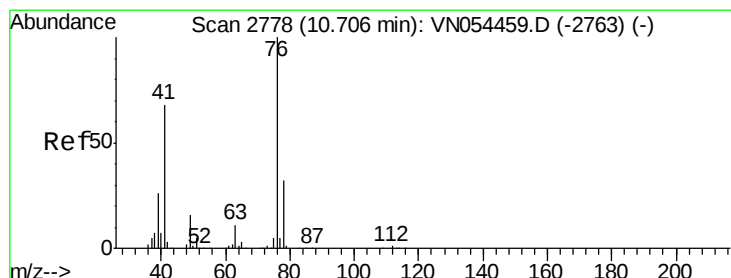
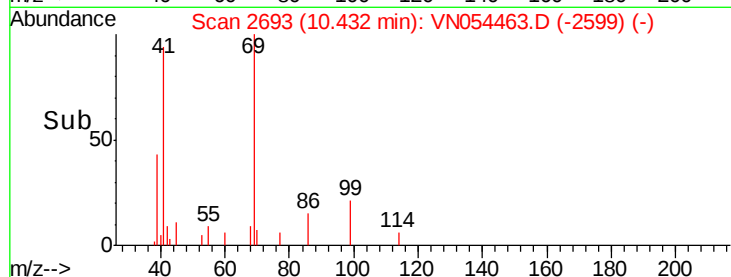
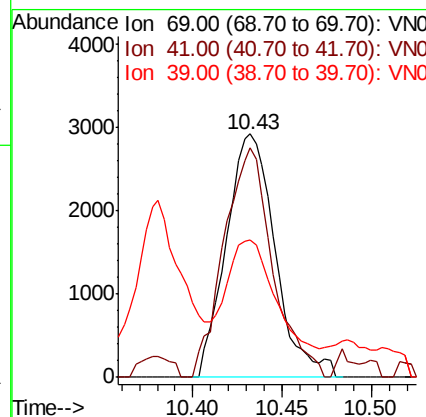
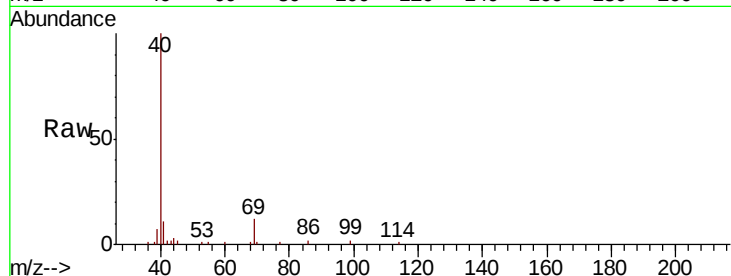
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	5550
Ion	Ratio	Lower	Upper
69	100		
41	94.0	49.4	74.2#
39	45.9	28.3	42.5#

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.998 ug/l

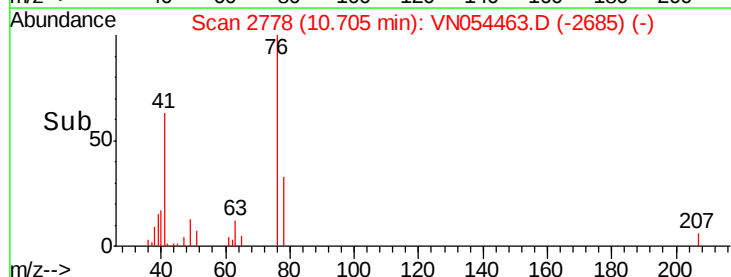
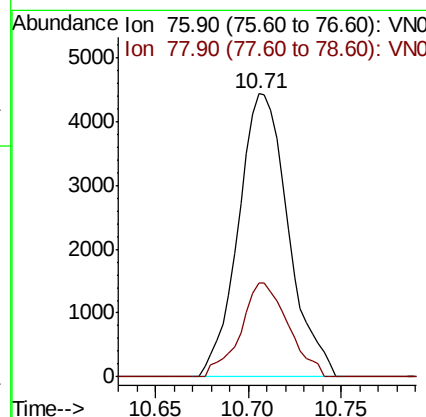
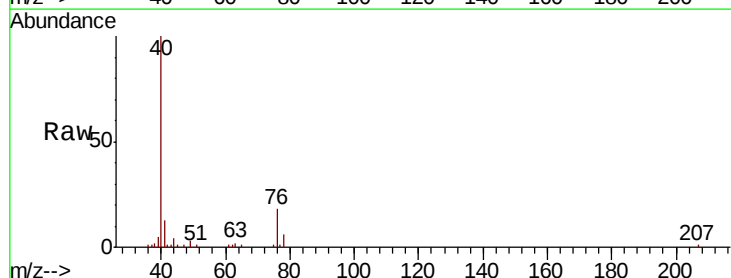
RT: 10.71 min Scan# 2778

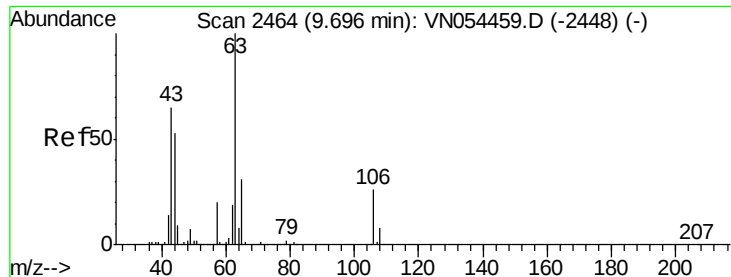
Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	76	Resp:	8272
Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.7	38.5





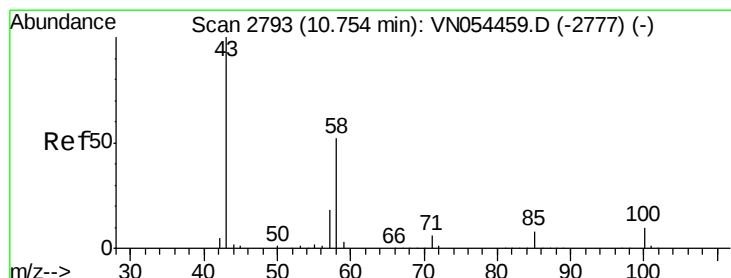
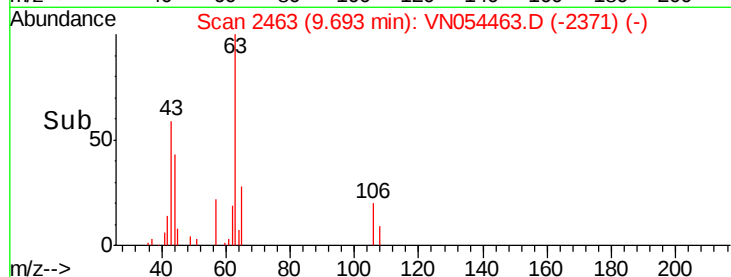
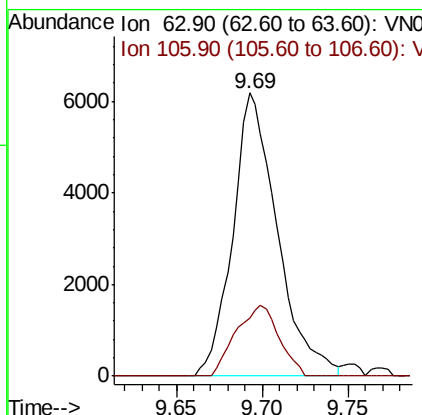
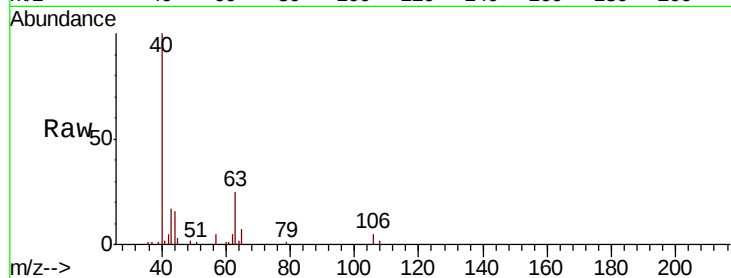
#58
 2-Chloroethyl Vinyl ether
 Concen: 4.876 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 63 Resp: 11168
 Ion Ratio Lower Upper
 63 100
 106 24.1 24.4 36.6#

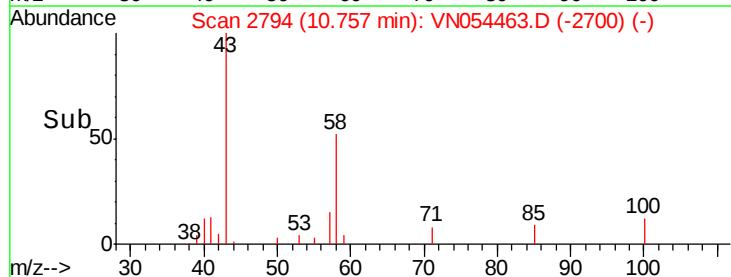
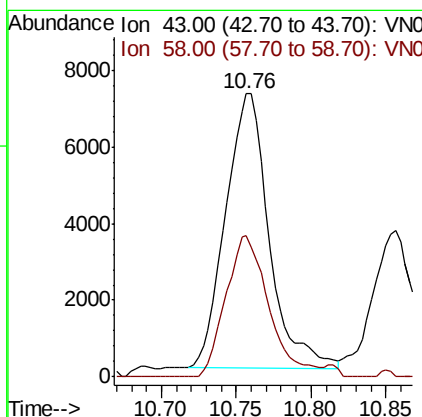
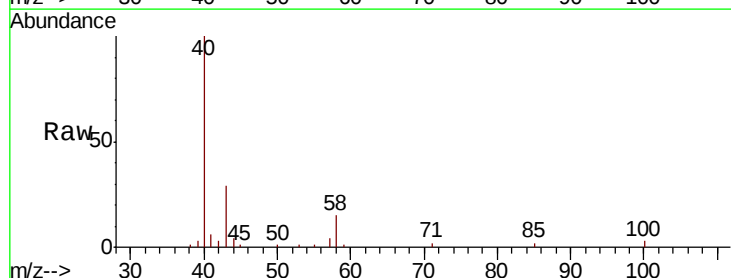
Manual Integrations
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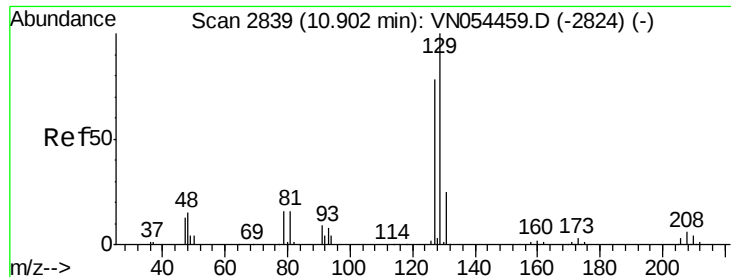
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#59
 2-Hexanone
 Concen: 5.325 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion: 43 Resp: 14475
 Ion Ratio Lower Upper
 43 100
 58 50.9 28.0 83.9





#60

Dibromochloromethane

Concen: 0.743 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 4240

Ion Ratio Lower Upper

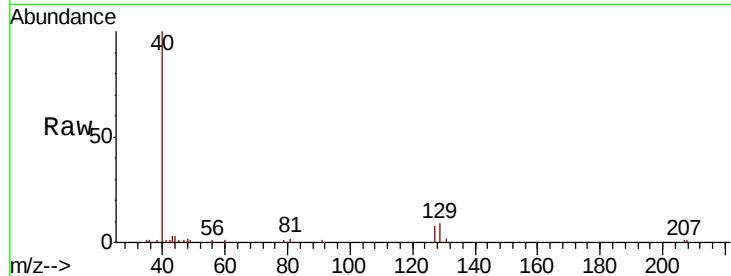
129 100

127 84.8 38.6 115.8

Manual Integrations
APPROVED

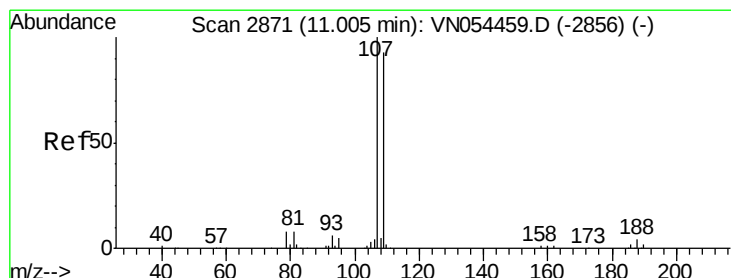
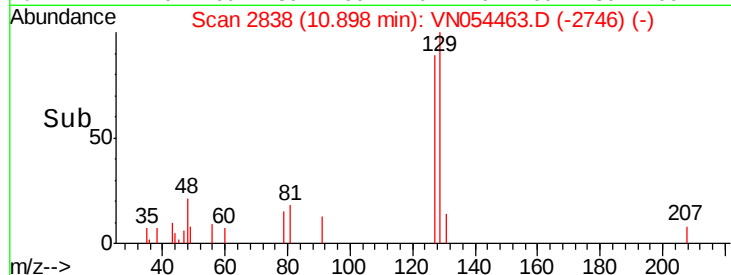
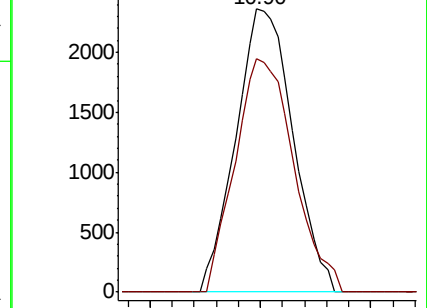
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.842 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054463.D

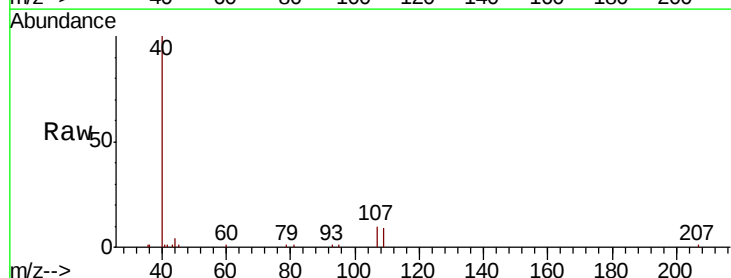
Acq: 20 Mar 2019 14:18

Tgt Ion:107 Resp: 4337

Ion Ratio Lower Upper

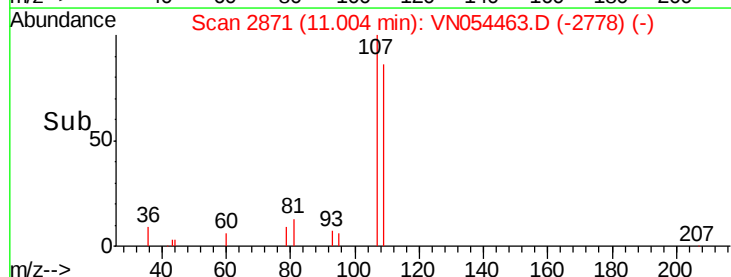
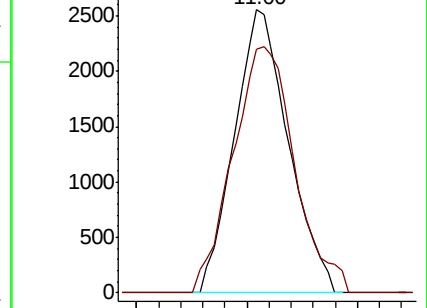
107 100

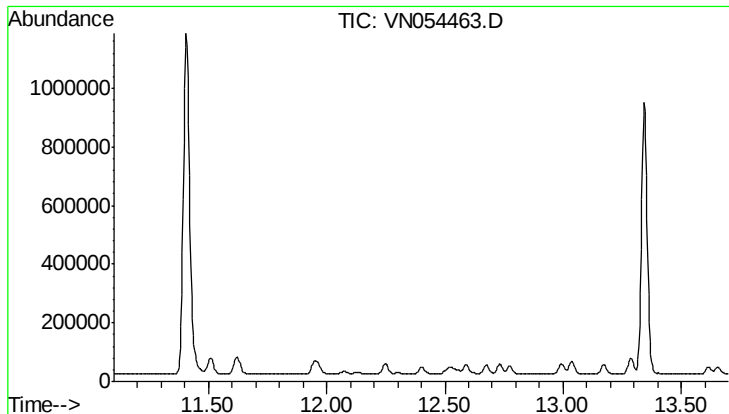
109 99.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tot Ion: 95

Sig Exp Ratio

95 100

174 95.5

176 93.7

Instrument :

MSVOA_N

ClientSampleId :

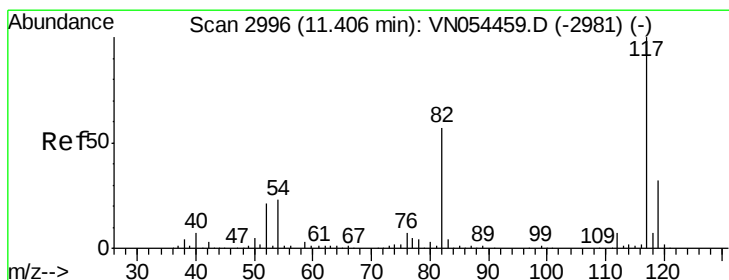
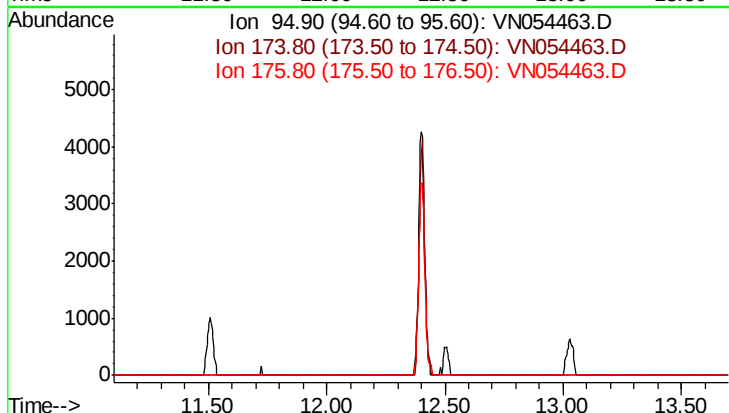
VSTDIC001

Manual Integrations

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

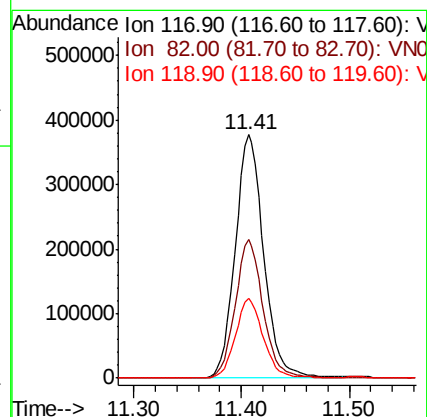
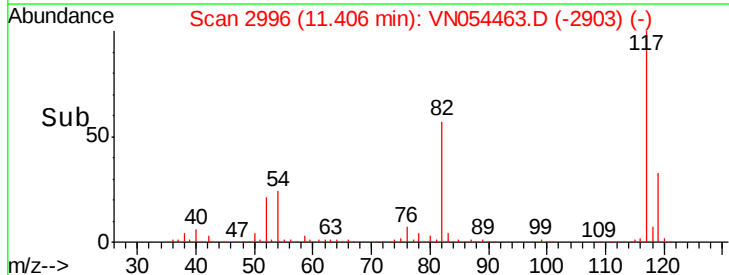
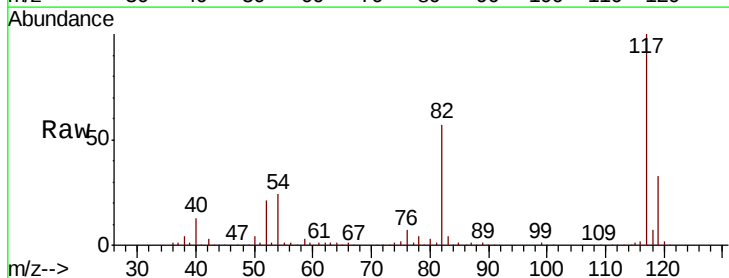
Tgt Ion:117 Resp: 693125

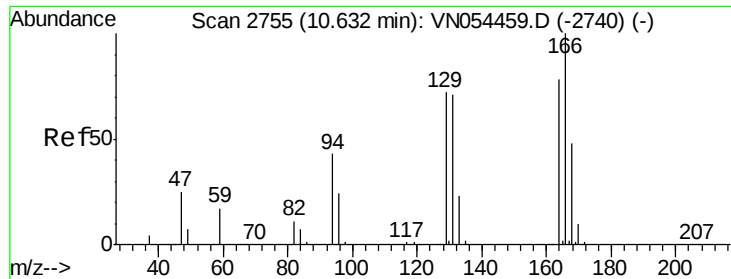
Ion Ratio Lower Upper

117 100

82 56.7 40.0 60.0

119 32.7 25.8 38.6





#64

Tetrachloroethene

Concen: 0.956 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 6409

Ion Ratio Lower Upper

164 100

166 129.5 103.9 155.9

129 105.0 71.1 106.7

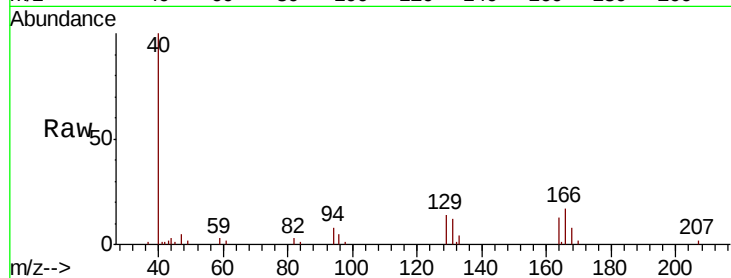
131 87.5 68.2 102.4

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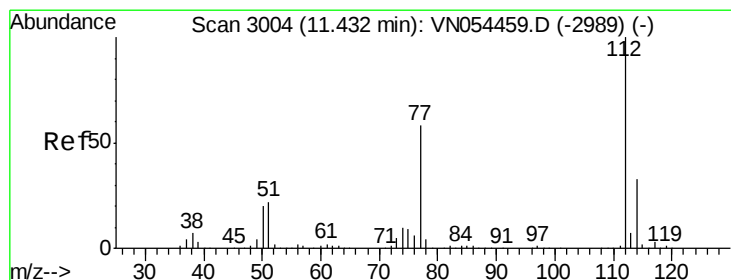
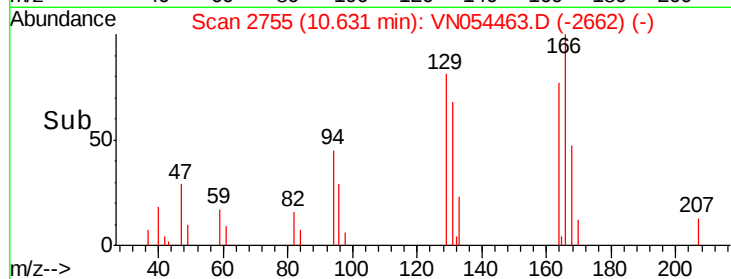
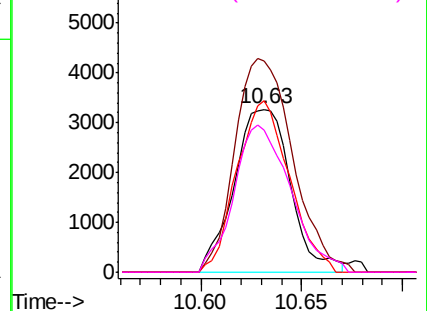


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.949 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054463.D

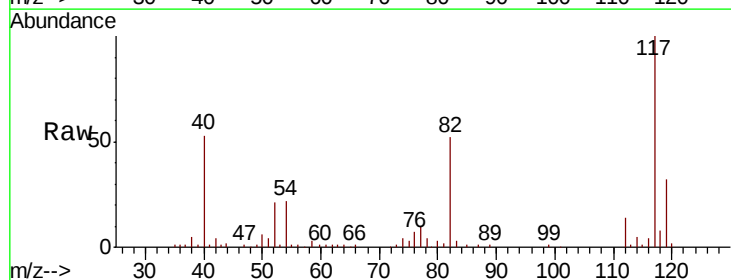
Acq: 20 Mar 2019 14:18

Tgt Ion:112 Resp: 14439

Ion Ratio Lower Upper

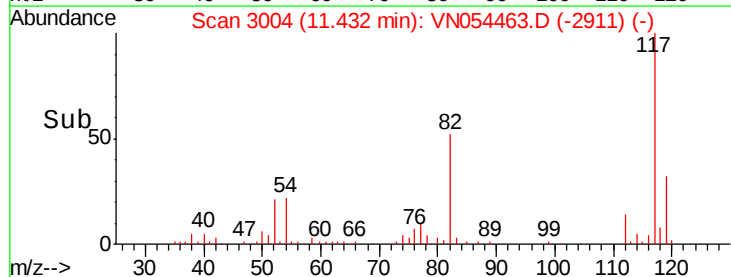
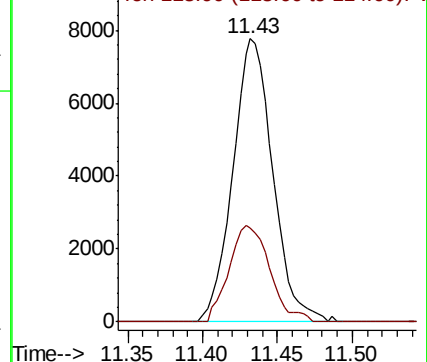
112 100

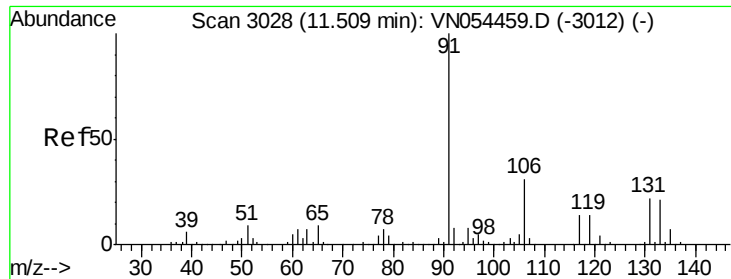
114 33.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





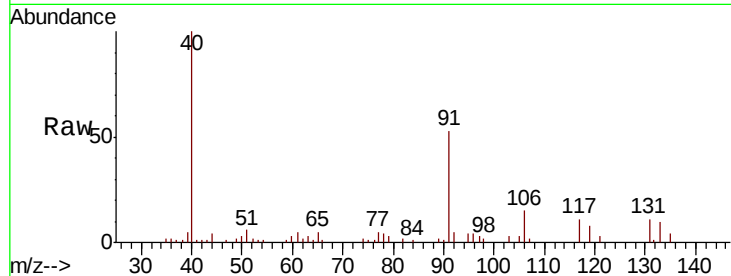
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.812 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

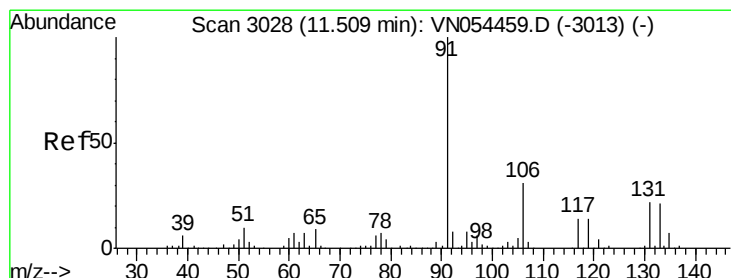
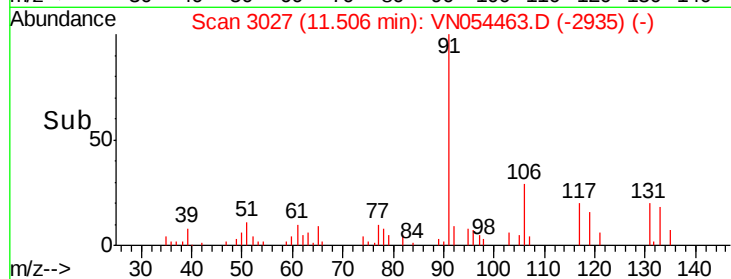
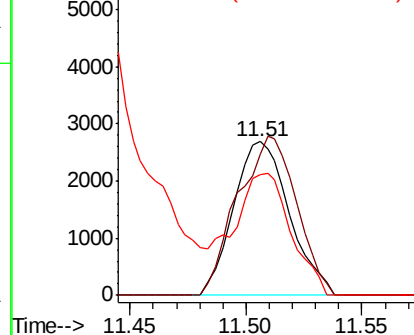
Tot Ion	Ratio	Lower	Upper
131	100		
133	109.1	47.6	142.9
119	0.0	32.4	97.0

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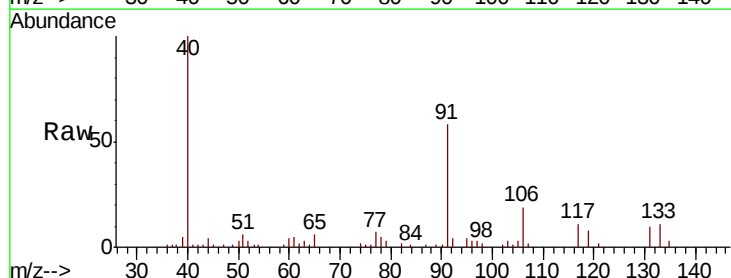


Abundance Ion 130.80 (130.50 to 131.50): V
 Ion 132.80 (132.50 to 133.50): V
 Ion 118.80 (118.50 to 119.50): V

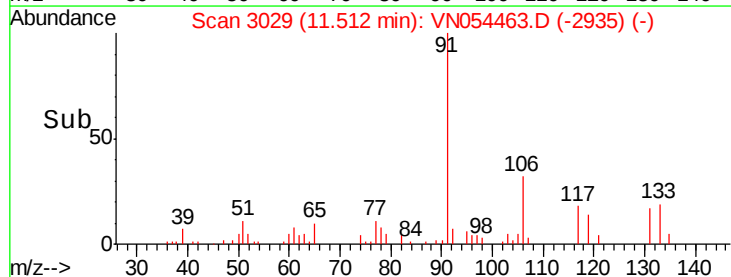
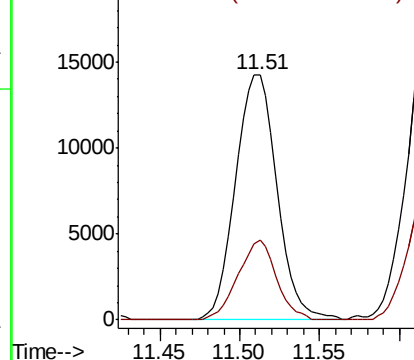


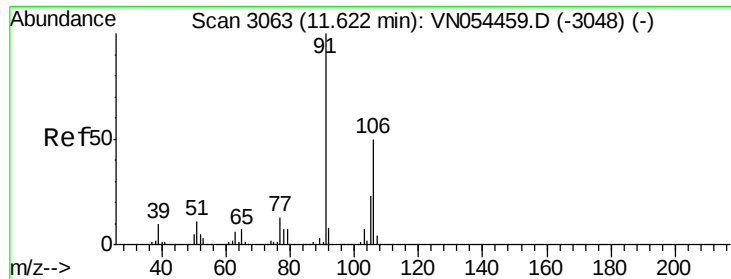
#67
 Ethyl Benzene
 Concen: 1.000 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.5	38.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 106.00 (105.70 to 106.70): V





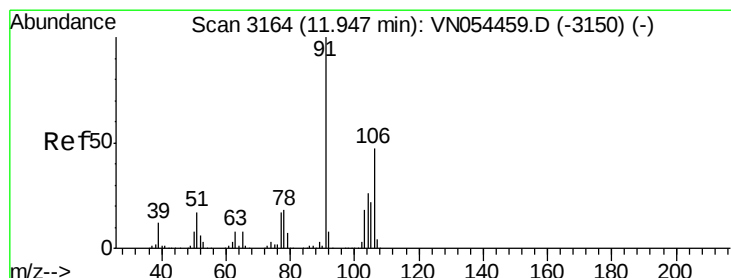
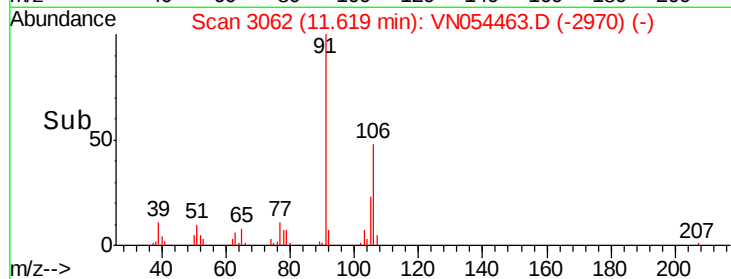
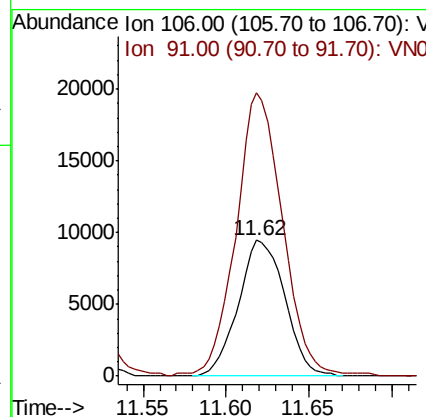
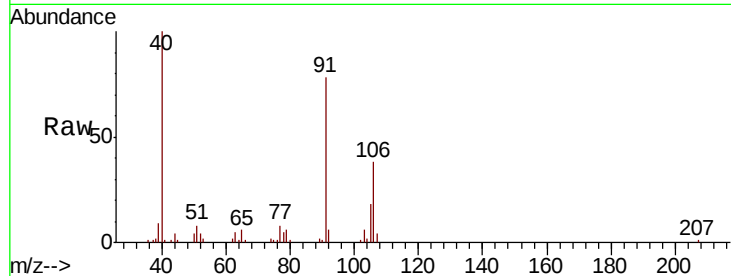
#68
m/p-Xylenes
Concen: 1.873 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 18471
Ion Ratio Lower Upper
106 100
91 208.7 159.4 239.2

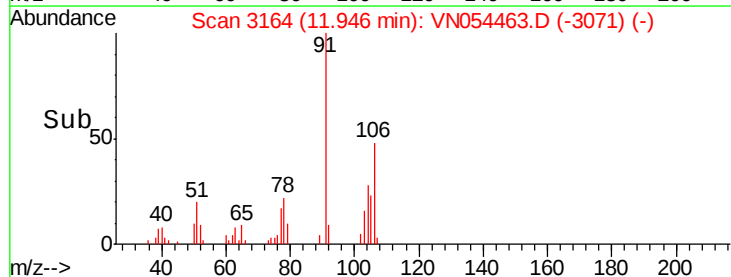
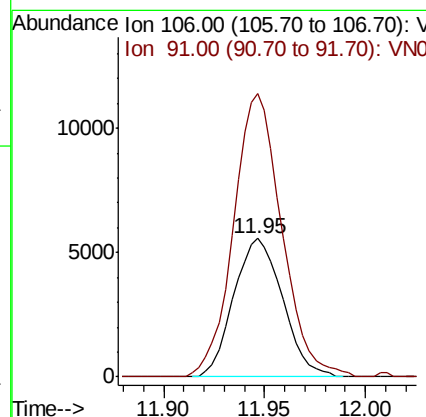
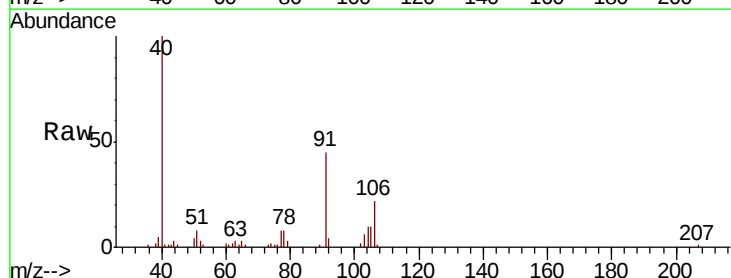
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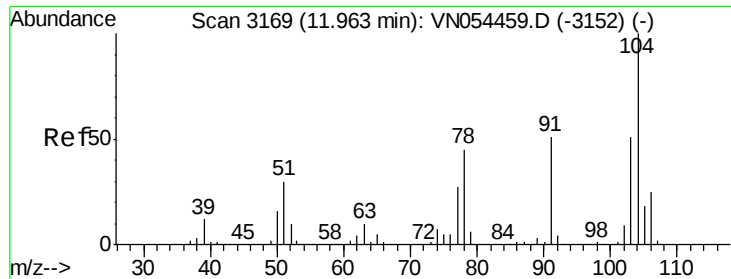
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#69
o-Xylene
Concen: 0.982 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:106 Resp: 9440
Ion Ratio Lower Upper
106 100
91 201.9 105.7 317.1





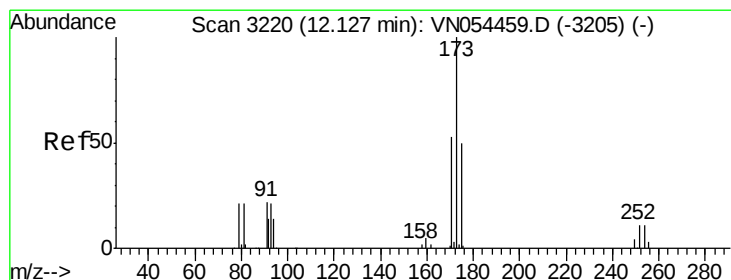
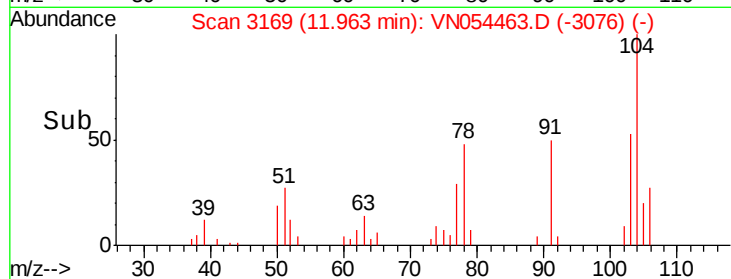
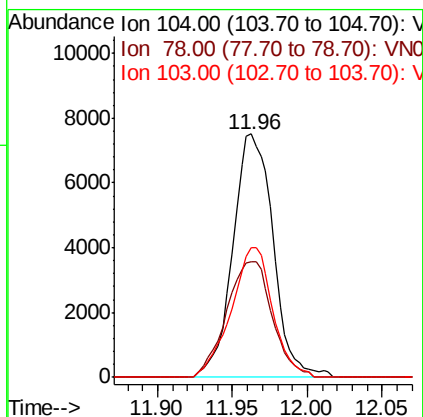
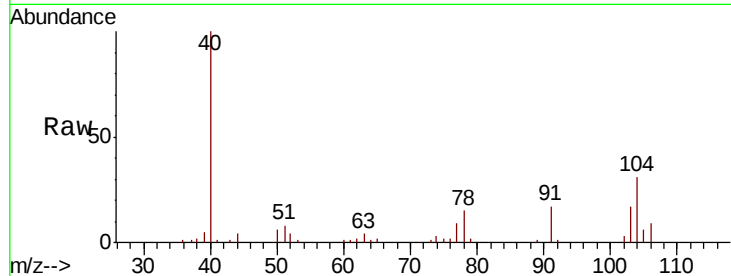
#70
Stvrene
Concen: 0.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
104	100			
78	54.1	38.2	57.2	
103	55.2	44.4	66.6	

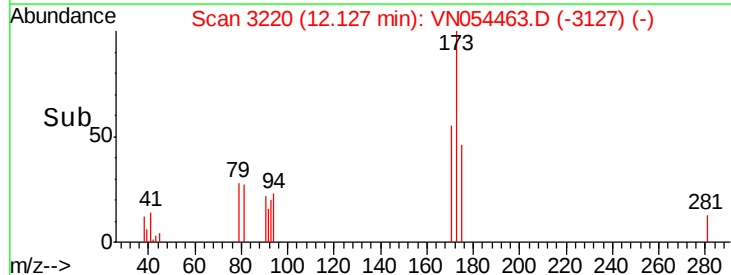
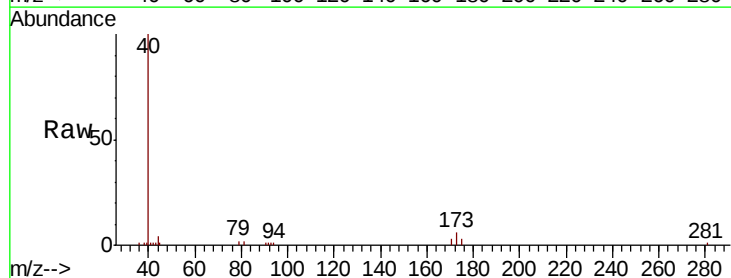
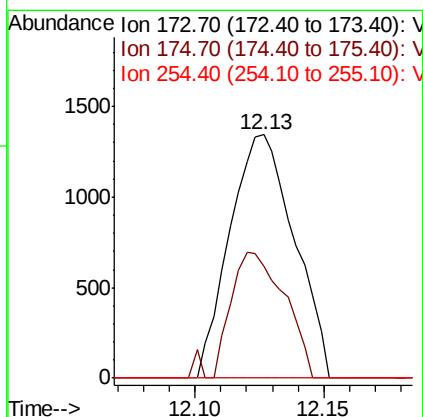
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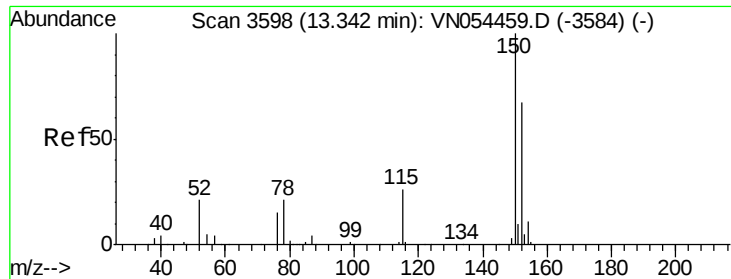
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#71
Bromoform
Concen: 0.641 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion	Ion	Ratio	Lower	Upper
173	100			
175	42.9	24.4	73.2	
254	0.0	0.1	0.1#	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

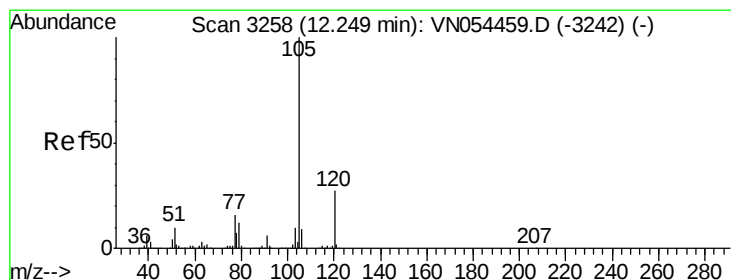
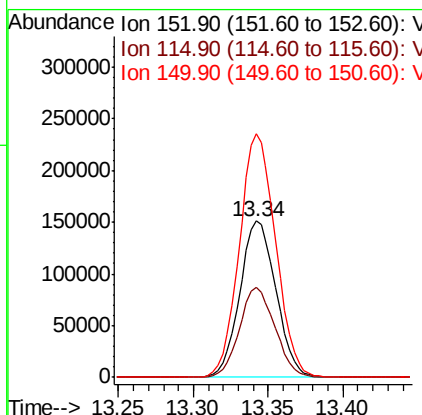
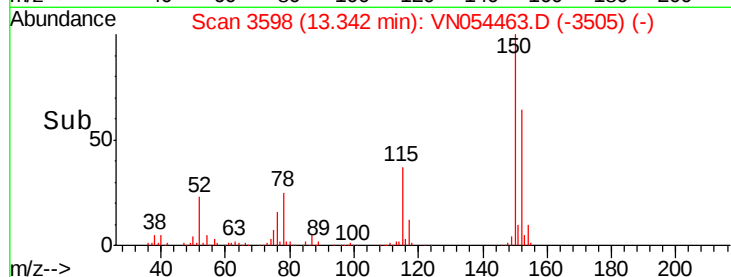
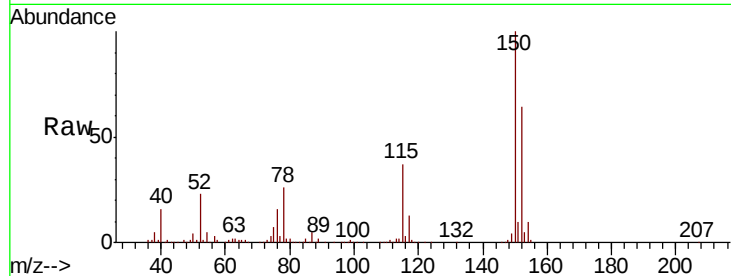
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	254046
Ion Ratio	Lower	Upper	
152	100		
115	56.6	27.2	81.6
150	156.1	0.0	349.2

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.195 ug/l

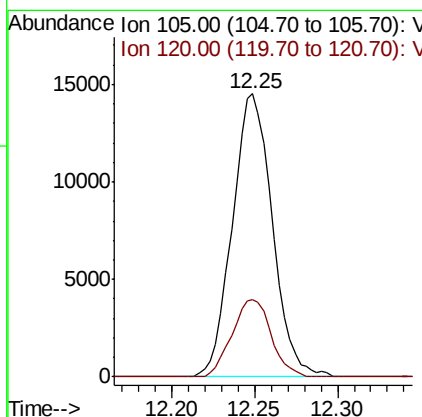
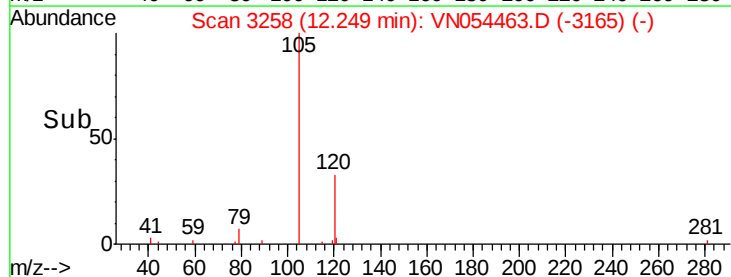
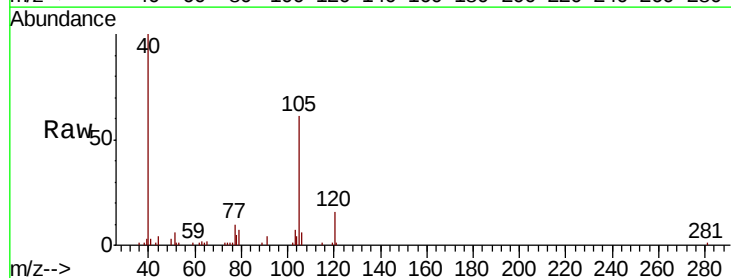
RT: 12.25 min Scan# 3258

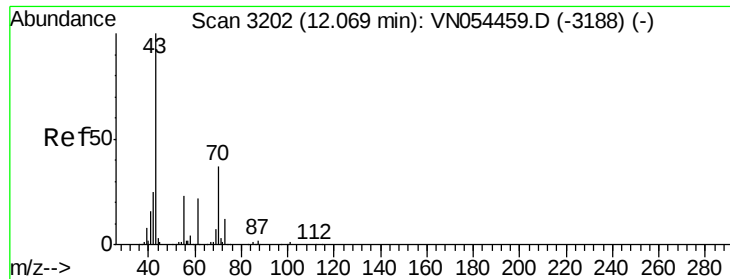
Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	105	Resp:	24291
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.8	41.3





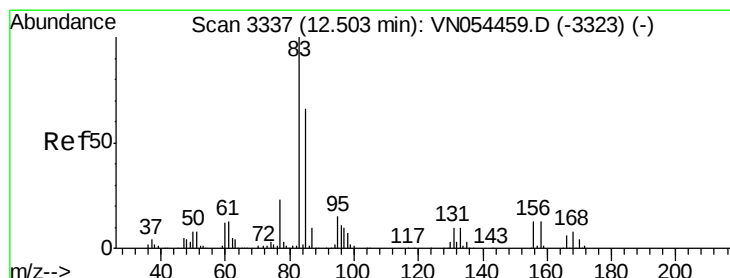
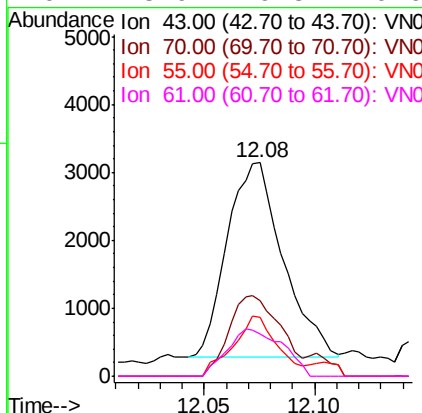
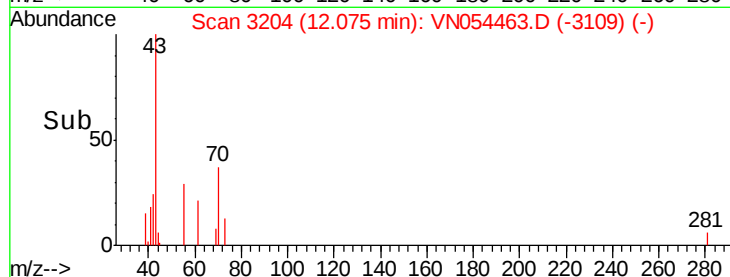
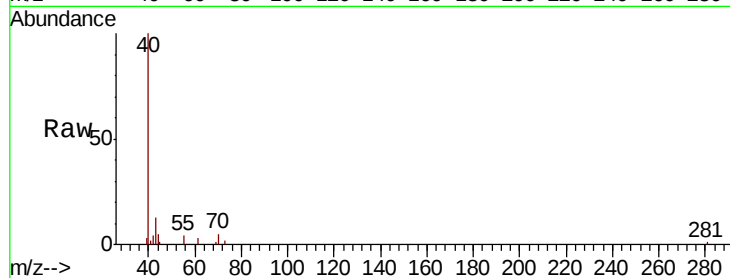
#74
N-amvl acetate
Concen: 1.117 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.01 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	43	Resp:	5038
Ion	Ratio	Lower	Upper
43	100		
70	43.1	35.4	53.0
55	24.3	19.8	29.6
61	23.9	19.8	29.6

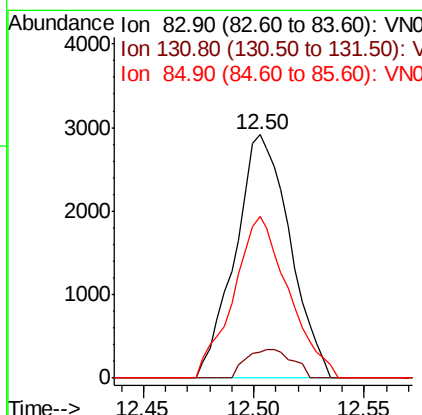
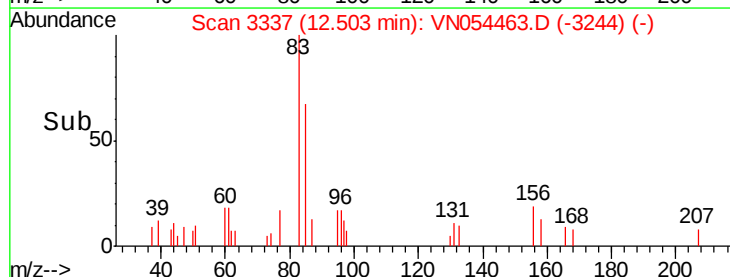
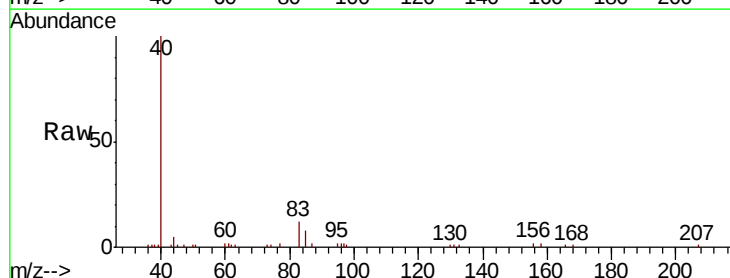
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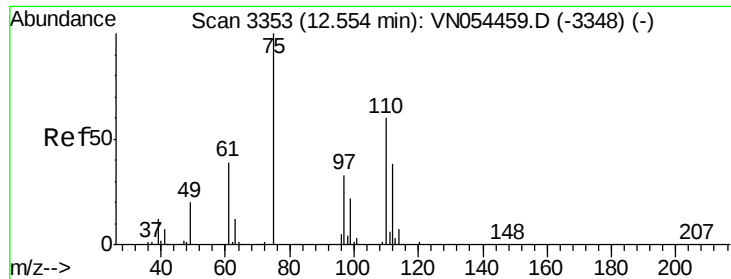
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#75
1,1,2,2-Tetrachloroethane
Concen: 1.159 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:	83	Resp:	5020
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.8	17.4
85	67.0	32.2	96.6





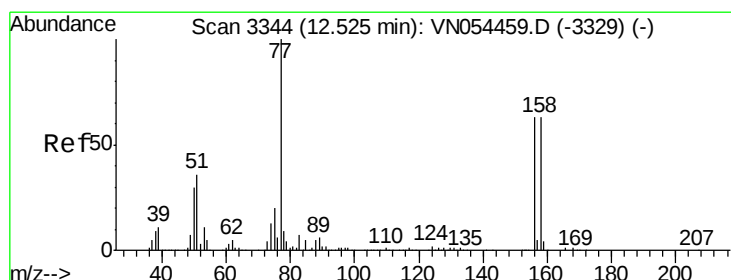
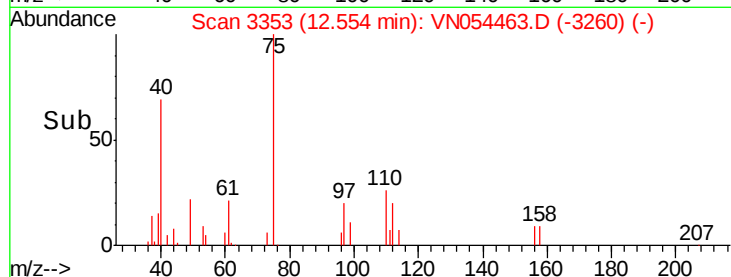
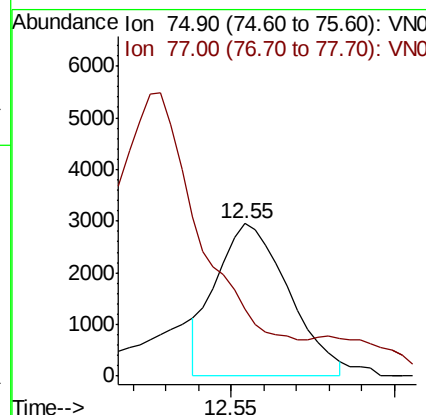
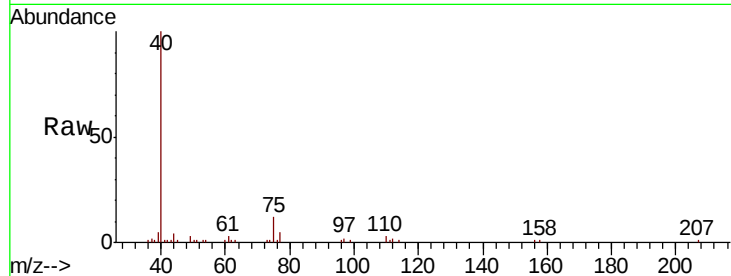
#76
 1,2,3-Trichloropropane
 Concen: 1.223 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

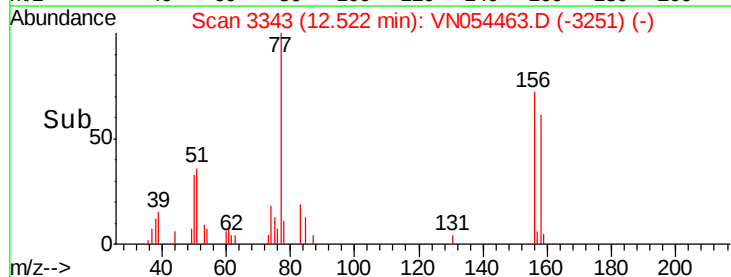
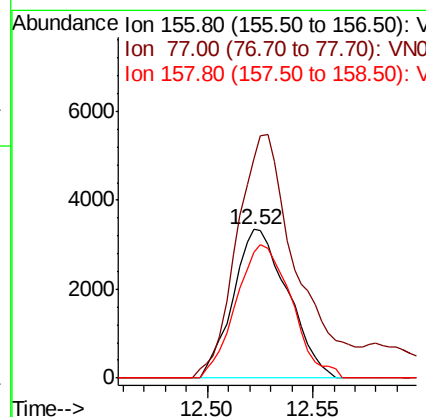
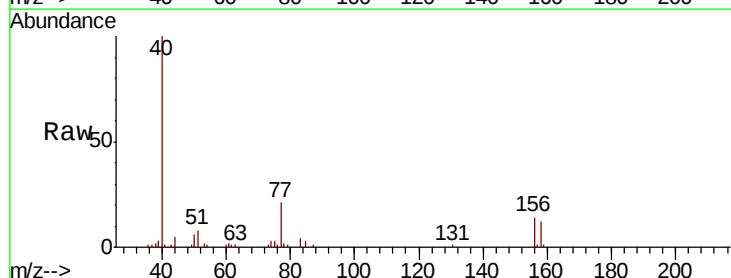
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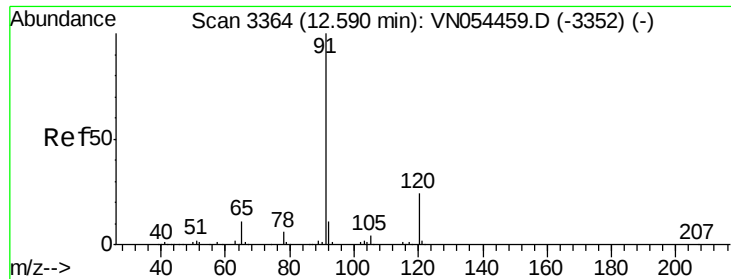
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#77
 Bromobenzene
 Concen: 1.121 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
156	100		
77	181.2	81.5	244.4
158	91.1	49.0	147.2





#78

n-propylbenzene

Concen: 1.140 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 25146

Ion Ratio Lower Upper

91 100

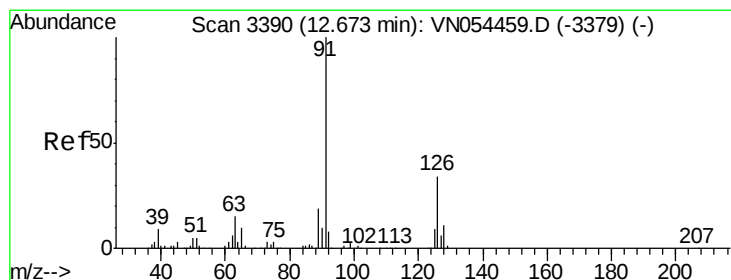
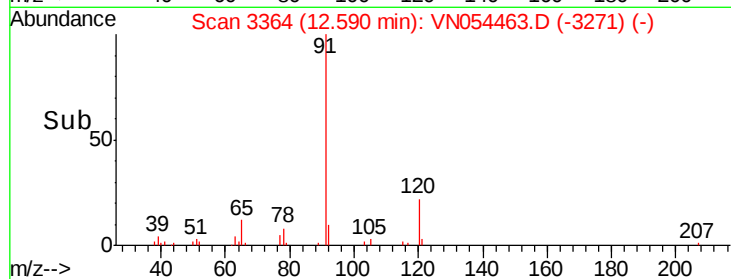
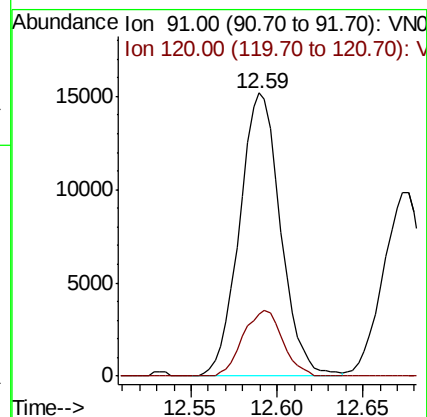
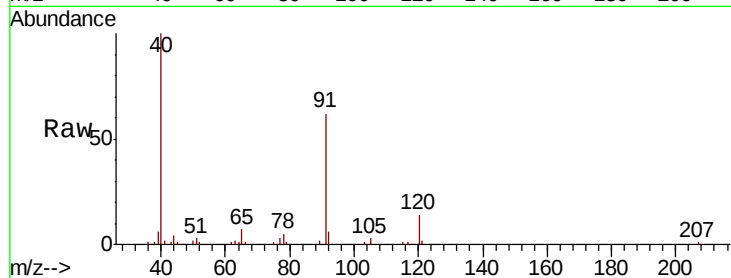
120 22.4 12.3 36.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.282 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN054463.D

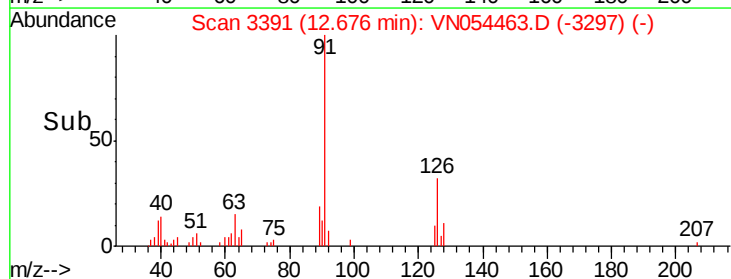
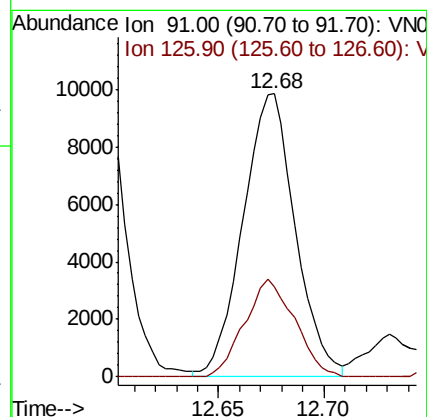
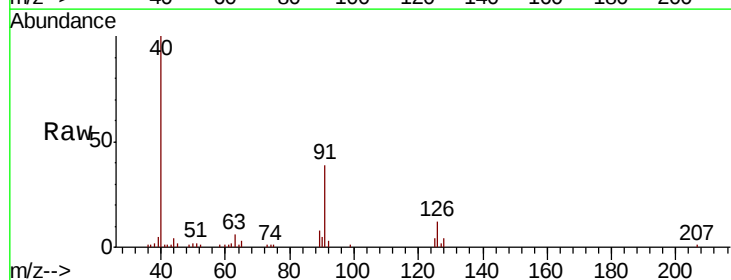
Acq: 20 Mar 2019 14:18

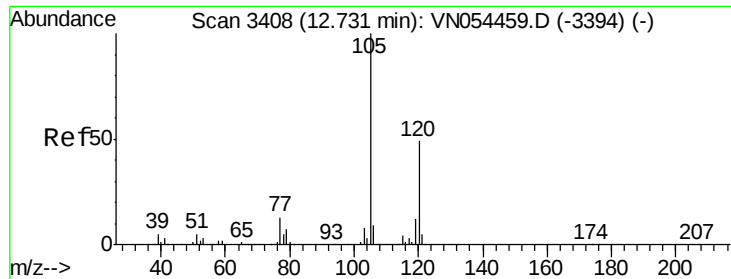
Tgt Ion: 91 Resp: 17004

Ion Ratio Lower Upper

91 100

126 33.0 18.7 56.1





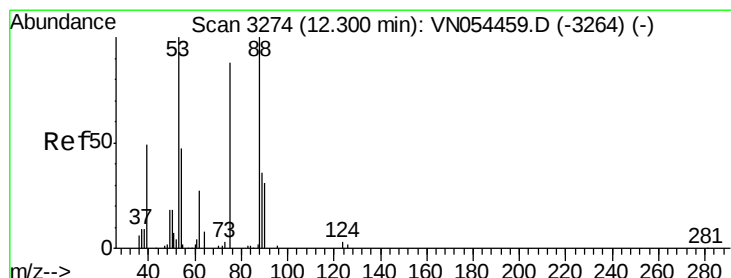
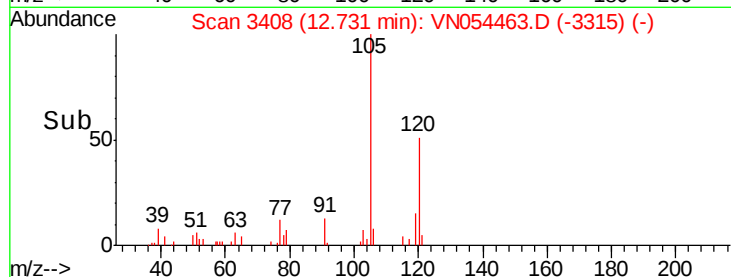
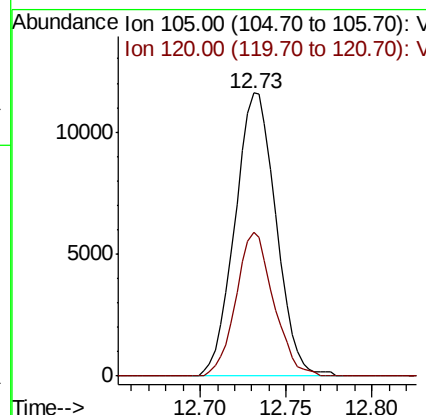
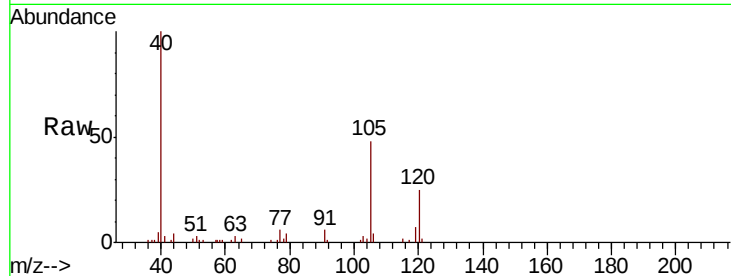
#80
 1,3,5-Trimethylbenzene
 Concen: 1.138 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.4	25.0	75.0

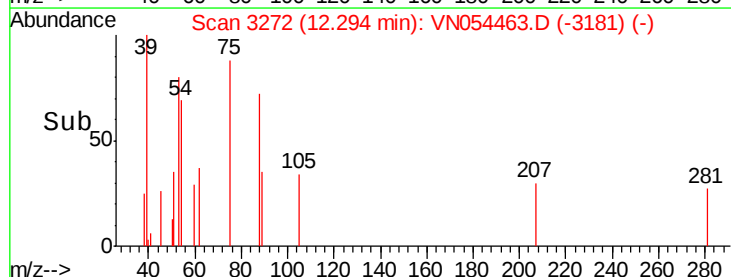
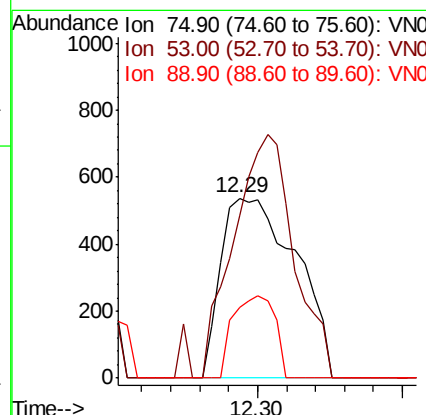
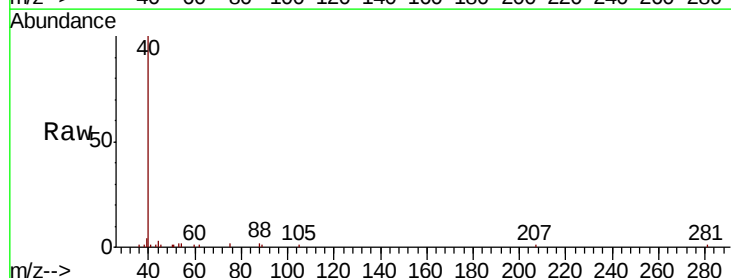
Manual Integrations
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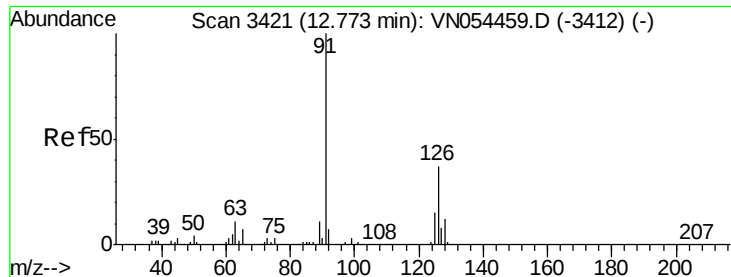
MMDadoda
 3/22/2019 3:17:25 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.885 ug/l
 RT: 12.29 min Scan# 3272
 Delta R.T. -0.01 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.7	76.2	114.2
89	25.3	39.2	58.8#





#82

4-Chlorotoluene

Concen: 1.131 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 14979

Ion Ratio Lower Upper

91 100

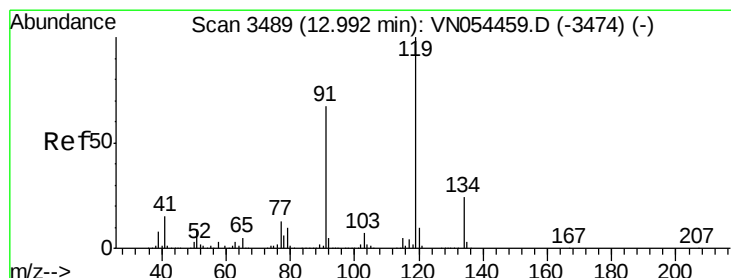
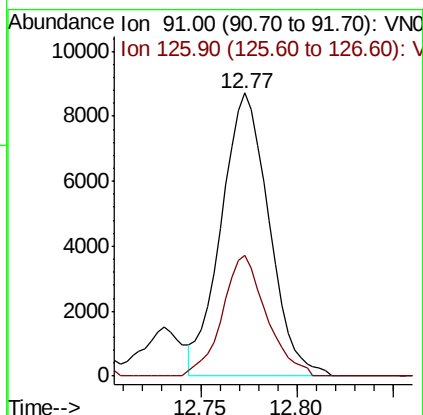
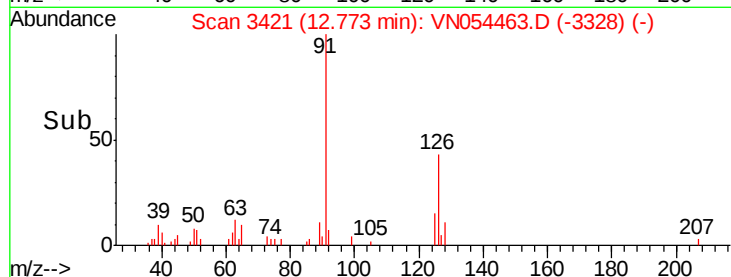
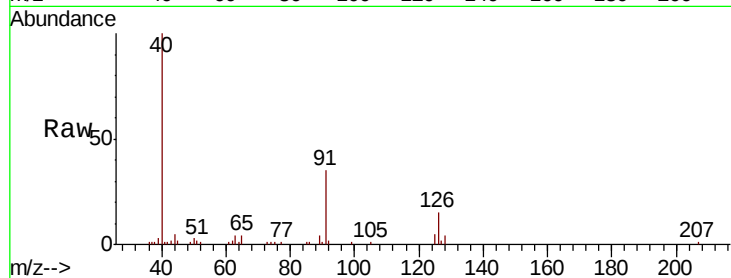
126 39.3 18.1 54.1

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#83

tert-Butylbenzene

Concen: 1.105 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

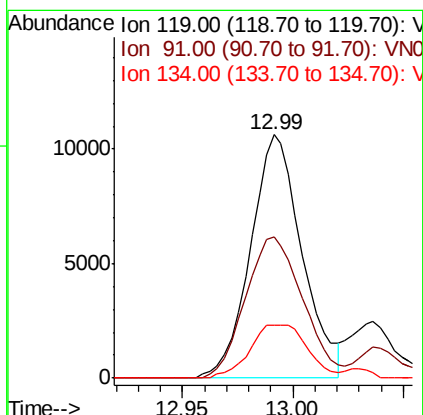
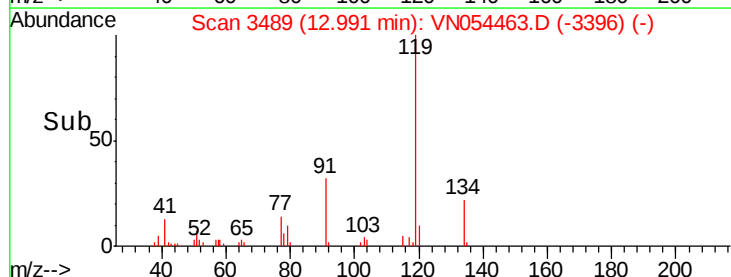
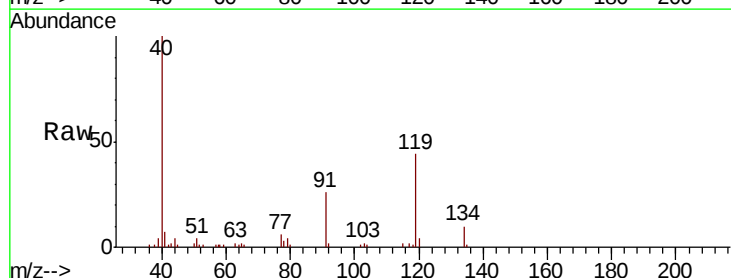
Tgt Ion: 119 Resp: 17195

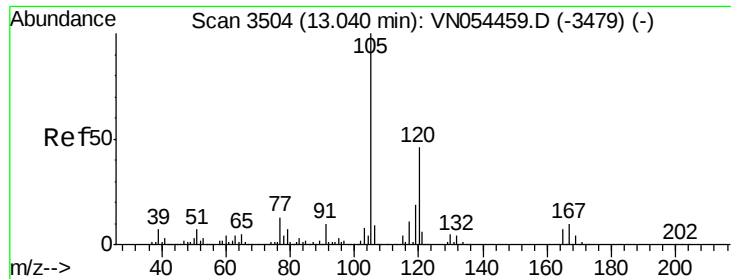
Ion Ratio Lower Upper

119 100

91 65.0 30.9 92.8

134 24.3 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 1.111 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 18424

Ion Ratio Lower Upper

105 100

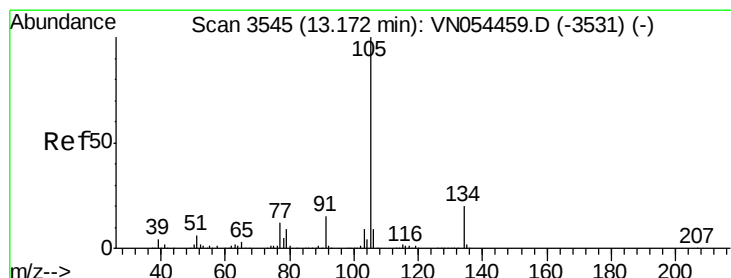
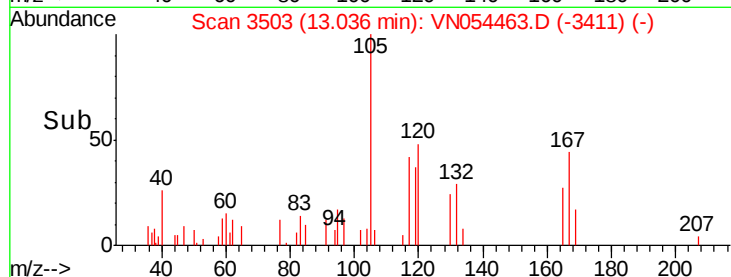
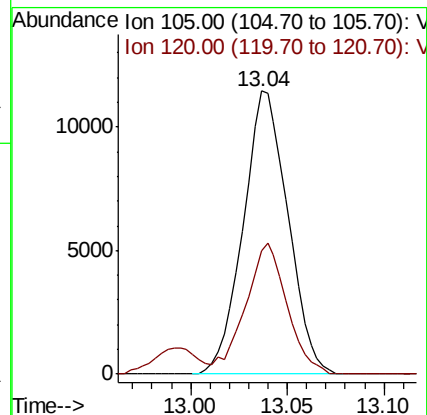
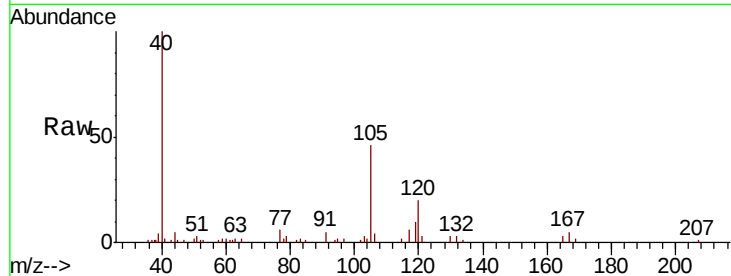
120 43.0 23.4 70.3

Manual Integrations

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#85

sec-Butylbenzene

Concen: 1.079 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054463.D

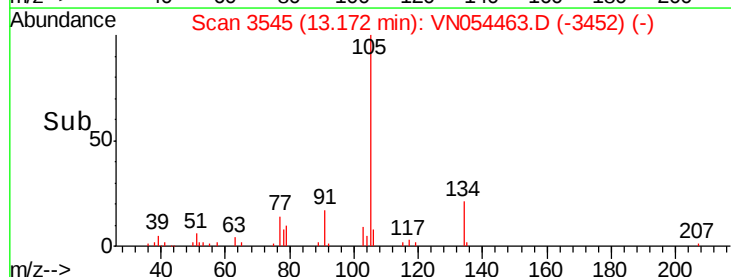
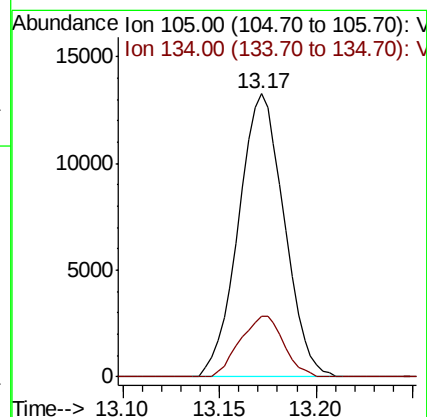
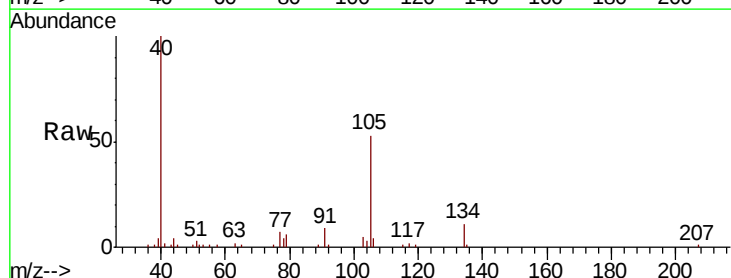
Acq: 20 Mar 2019 14:18

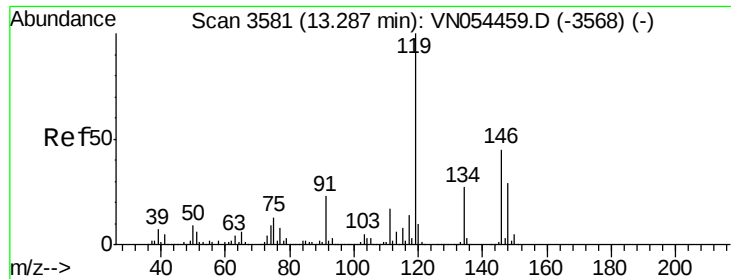
Tgt Ion:105 Resp: 21774

Ion Ratio Lower Upper

105 100

134 20.5 10.7 32.1





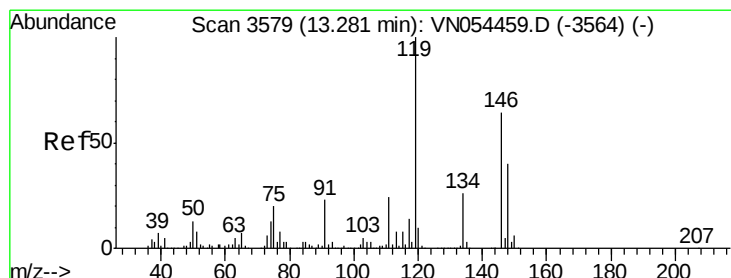
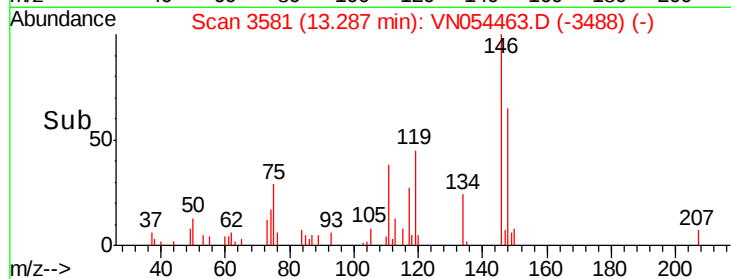
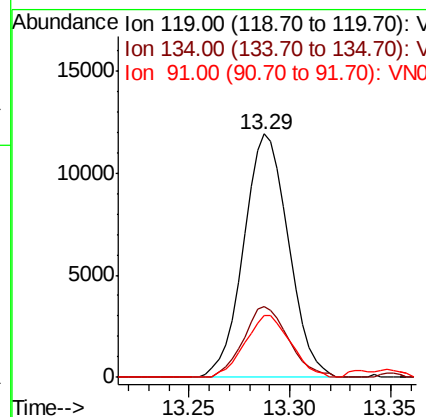
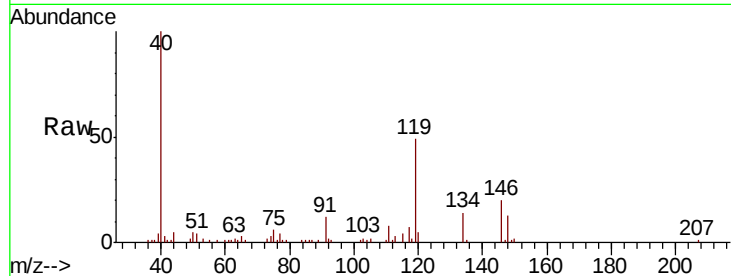
#86
p-Isopropyltoluene
Concen: 1.049 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.2	13.6	40.8
91	25.9	11.1	33.3

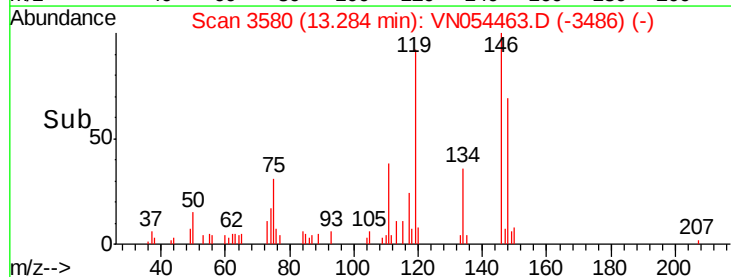
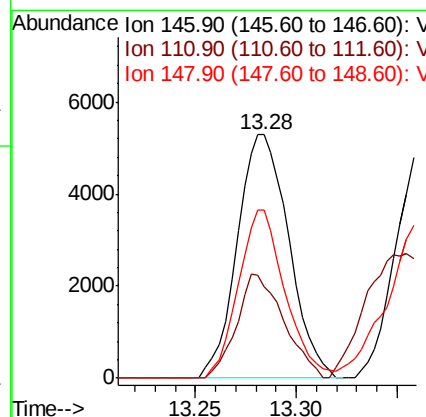
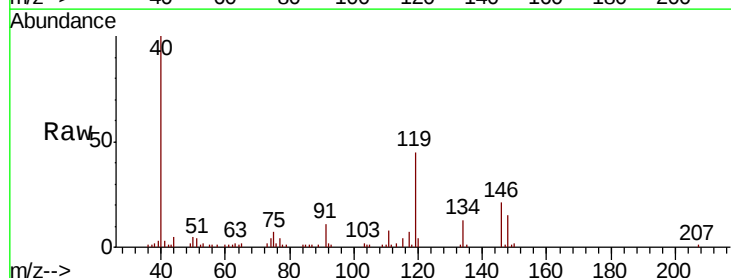
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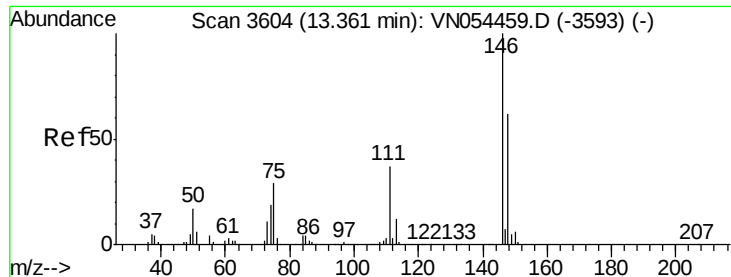
MMDadoda
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#87
1,3-Dichlorobenzene
Concen: 1.041 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.8	56.3
148	62.7	32.2	96.6





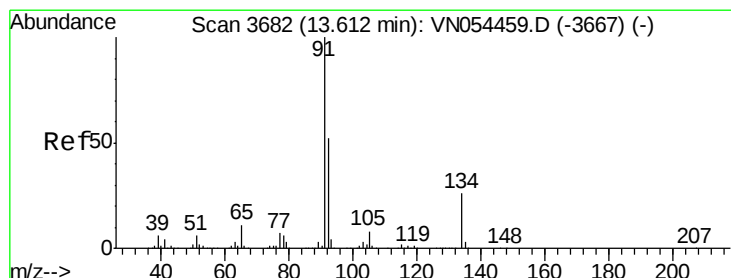
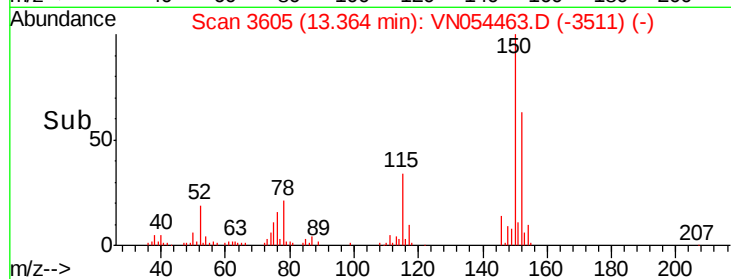
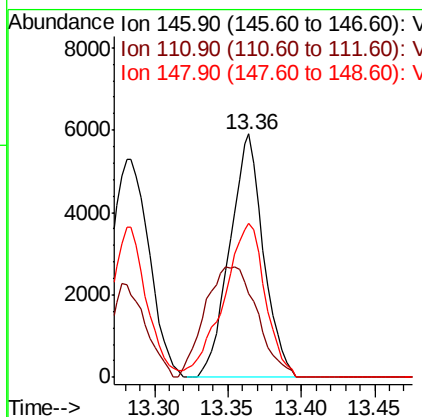
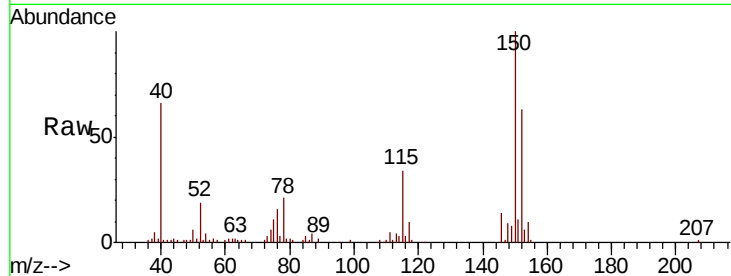
#88
 1,4-Dichlorobenzene
 Concen: 1.055 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.1	54.1
148	63.0	32.0	96.0

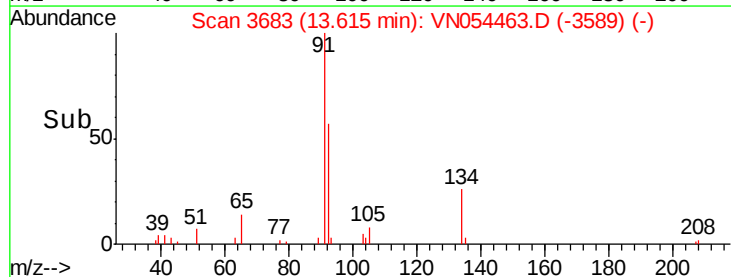
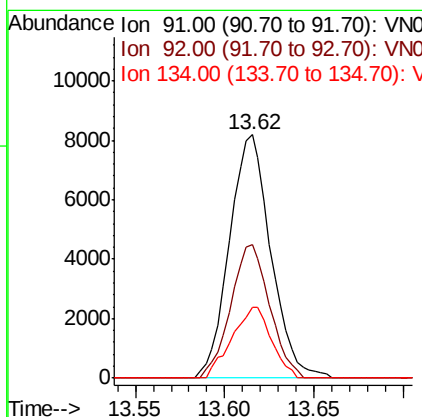
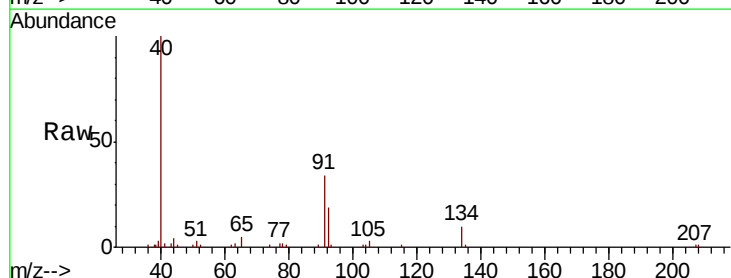
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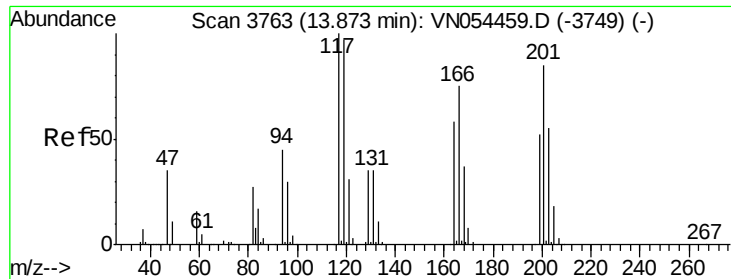
MMDadoda
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#89
 n-Butylbenzene
 Concen: 0.980 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.6
134	27.8	14.3	42.9





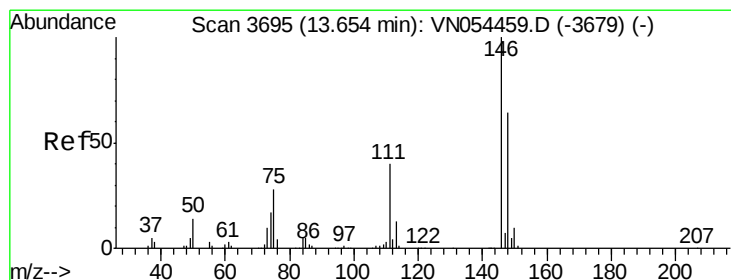
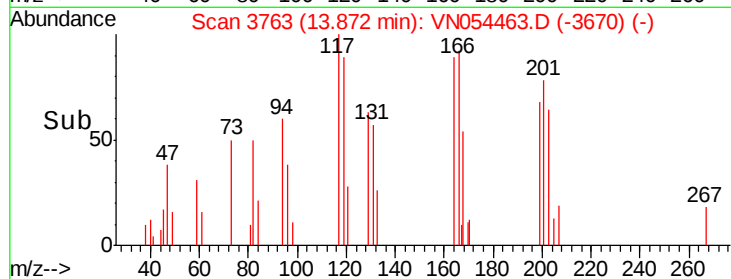
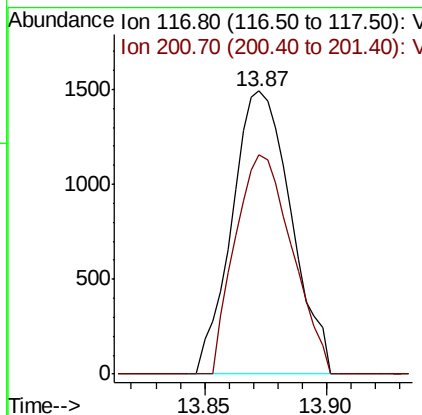
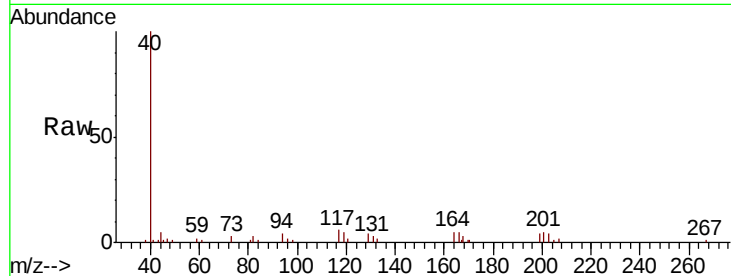
#90
Hexachloroethane
Concen: 0.856 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 2510
Ion Ratio Lower Upper
117 100
201 74.6 48.1 144.4

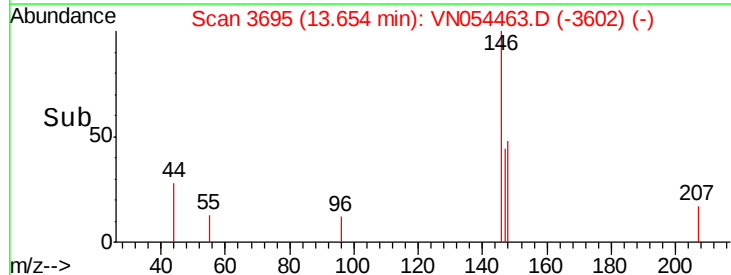
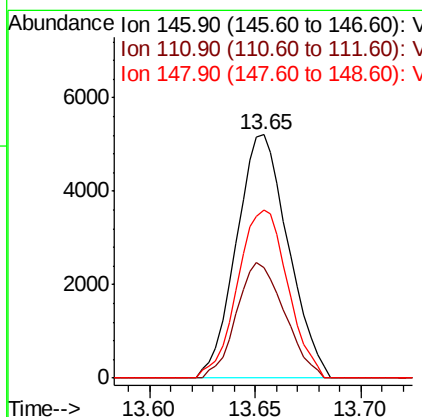
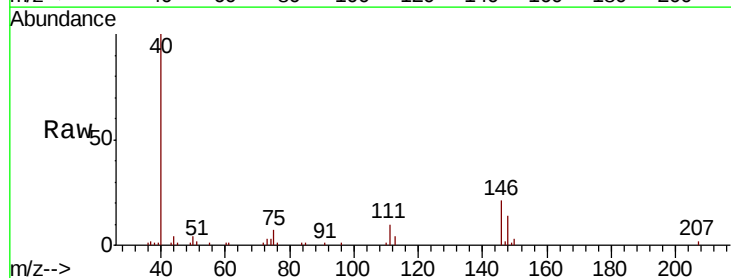
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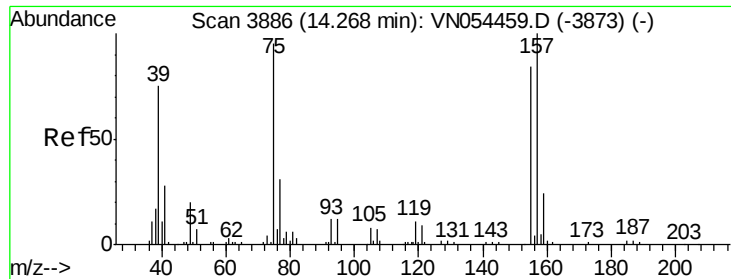
MMDadoda
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#91
1,2-Dichlorobenzene
Concen: 1.005 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VN054463.D
Acq: 20 Mar 2019 14:18

Tgt Ion:146 Resp: 8904
Ion Ratio Lower Upper
146 100
111 43.8 19.1 57.3
148 66.9 32.4 97.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.870 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

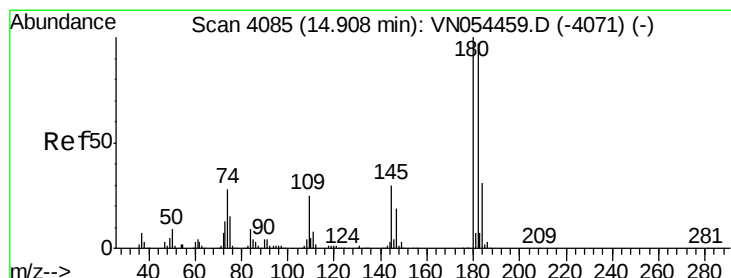
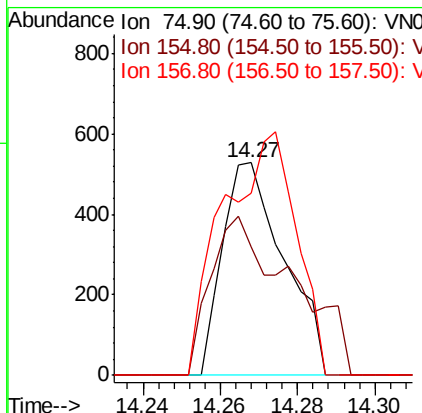
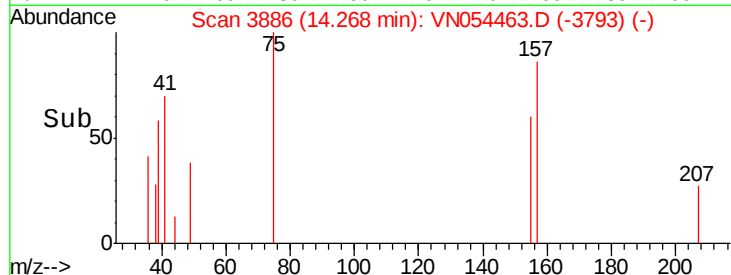
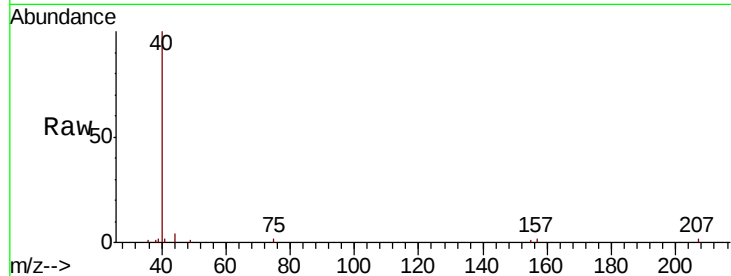
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	583
Ion	Ratio	Lower	Upper
75	100		
155	99.8	50.1	150.3
157	136.0	63.1	189.3

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#93

1,2,4-Trichlorobenzene

Concen: 0.898 ug/l

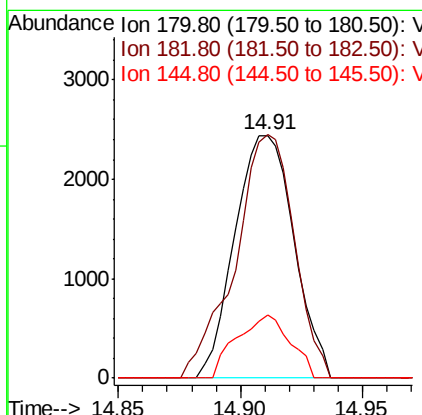
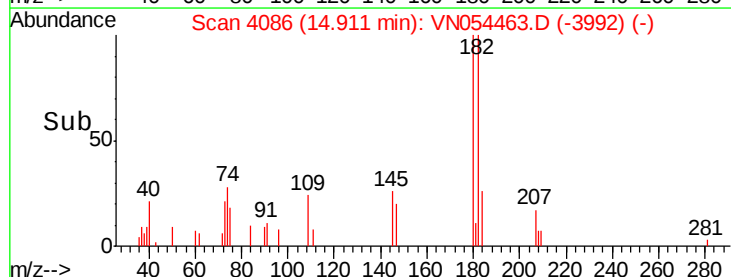
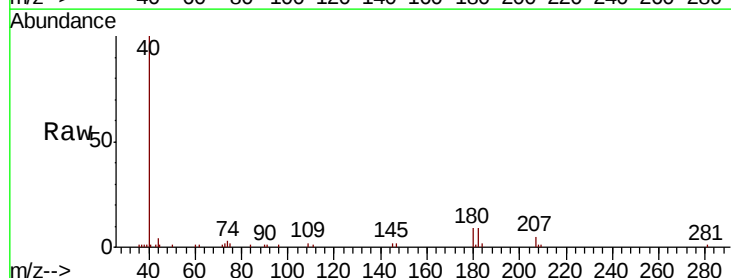
RT: 14.91 min Scan# 4086

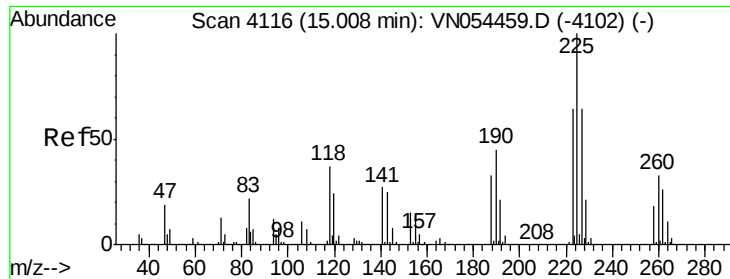
Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Tgt Ion:	180	Resp:	4110
Ion	Ratio	Lower	Upper
180	100		
182	99.9	48.0	144.2
145	23.5	14.2	42.8





#94

Hexachlorobutadiene

Concen: 1.093 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054463.D

Acq: 20 Mar 2019 14:18

Instrument :

MSVOA_N

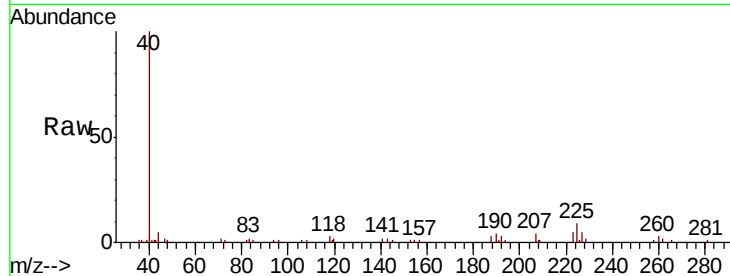
ClientSampleId :

VSTDIC001

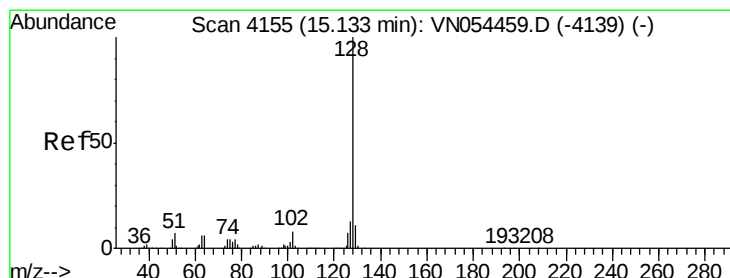
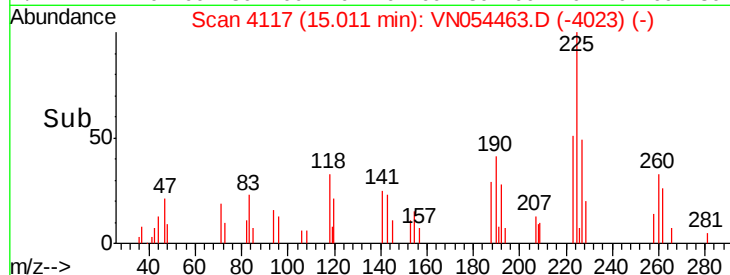
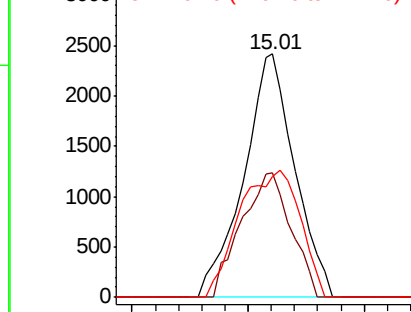
Tot Ion:	225	Resp:	3687
Ion Ratio	Lower	Upper	
225	100		
223	50.0	31.1	93.5
227	62.5	31.9	95.9

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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: 0.947 ug/l

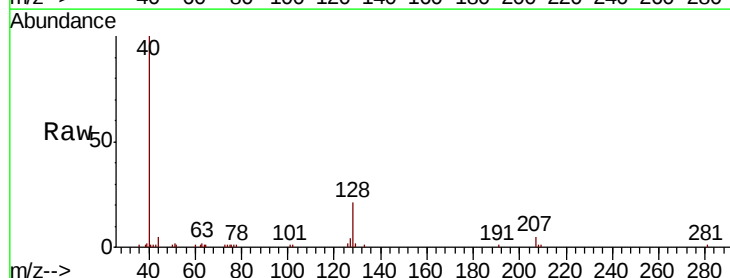
RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

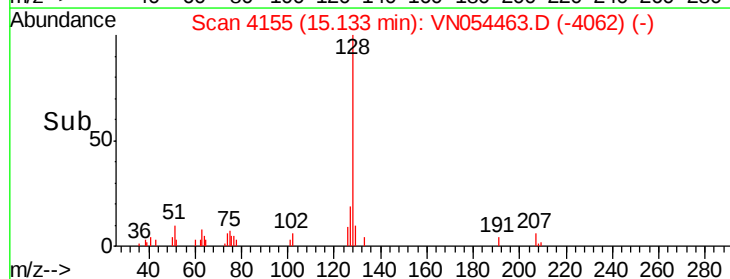
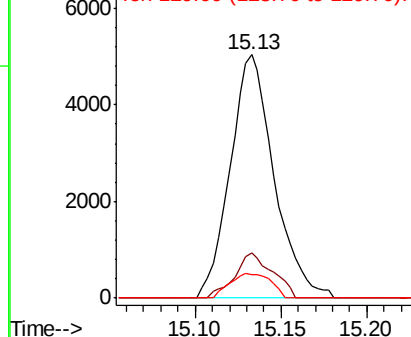
Lab File: VN054463.D

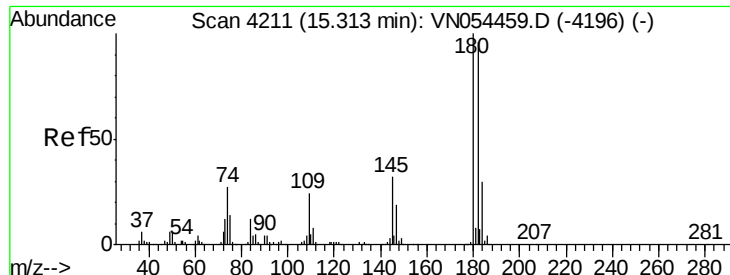
Acq: 20 Mar 2019 14:18

Tgt Ion:	128	Resp:	8917
Ion Ratio	Lower	Upper	
128	100		
127	16.0	10.1	15.1#
129	9.4	8.7	13.1



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: 0.888 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN054463.D
 Acq: 20 Mar 2019 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	109.5	47.5	142.6
145	13.4	14.8	44.3#

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:17:25 PM

