

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054157.D
 Acq On : 12 Mar 2019 10:02
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:49:00 AM

Quant Time: Mar 13 03:16:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 02:32:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1626986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2332750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1993432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	790871	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	13226	0.858 ug/l	97
3) Chloromethane	2.06	50	15876	1.060 ug/l	98
4) Vinyl Chloride	2.19	62	16627	0.971 ug/l	100
5) Bromomethane	2.57	94	13673	1.153 ug/l	93
6) Chloroethane	2.71	64	11323	1.093 ug/l	95
7) Trichlorofluoromethane	3.02	101	24710	1.086 ug/l	96
8) Diethyl Ether	3.41	74	9674	0.933 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	15940	0.935 ug/l #	95
12) 1,1-Dichloroethene	3.73	96	15559	0.921 ug/l	98
14) Allyl chloride	4.31	41	18732	0.864 ug/l #	77
15) Acrylonitrile	5.00	53	20413	4.195 ug/l #	58
16) Acetone	3.83	43	27310	5.520 ug/l #	87
17) Carbon Disulfide	4.04	76	35391	0.835 ug/l #	93
18) Methyl Acetate	4.32	43	7740	0.773 ug/l	94
19) Methyl tert-butyl Ether	5.05	73	36757	0.877 ug/l	98
20) Methylene Chloride	4.55	84	16220	0.998 ug/l #	89
21) trans-1,2-Dichloroethene	5.05	96	15385	0.950 ug/l #	77
22) Diisopropyl ether	5.96	45	38651	0.893 ug/l	96
23) Vinyl Acetate	5.90	43	123919	3.883 ug/l	98
24) 1,1-Dichloroethane	5.85	63	25367	0.913 ug/l	97
25) 2-Butanone	6.86	43	21771	3.749 ug/l	98
26) 2,2-Dichloropropane	6.82	77	22886	0.936 ug/l	92
27) cis-1,2-Dichloroethene	6.82	96	16112	0.892 ug/l	94
28) Bromochloromethane	7.19	49	10854	0.955 ug/l	90
29) Tetrahydrofuran	7.23	42	16257	4.354 ug/l	98
30) Chloroform	7.37	83	26282	0.906 ug/l	96
31) Cyclohexane	7.65	56	45759	0.547 ug/l #	52
32) 1,1,1-Trichloroethane	7.56	97	22678	0.866 ug/l #	50
36) 1,1-Dichloropropene	7.79	75	20710	0.964 ug/l	98
37) Ethyl Acetate	6.93	43	11908m	0.940 ug/l	
38) Carbon Tetrachloride	7.77	117	20642	0.916 ug/l	88
39) Methylcyclohexane	9.08	83	24692	0.934 ug/l	96
40) Benzene	8.04	78	54940	0.894 ug/l	98
41) Methacrylonitrile	7.20	41	7513m	1.108 ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.12	62	18992	0.915	ug/l	93
43) Isopropyl Acetate	8.17	43	17906	0.826	ug/l	97
44) Trichloroethene	8.83	130	17667	0.925	ug/l	92
45) 1,2-Dichloropropane	9.12	63	13285	0.870	ug/l	97
46) Dibromomethane	9.20	93	9791	0.949	ug/l	93
47) Bromodichloromethane	9.40	83	17526	0.848	ug/l #	98
48) Methyl methacrylate	9.20	41	9001	0.819	ug/l	93
49) 1,4-Dioxane	9.21	88	2710	17.424	ug/l #	76
51) 4-Methyl-2-Pentanone	9.99	43	46937	4.094	ug/l	96
52) Toluene	10.15	92	35270	0.905	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	15939	2.633	ug/l #	79
54) cis-1,3-Dichloropropene	9.84	75	19629	0.815	ug/l	98
55) 1,1,2-Trichloroethane	10.57	97	12959	0.911	ug/l	97
56) Ethyl methacrylate	10.43	69	13599	0.801	ug/l	99
57) 1,3-Dichloropropane	10.71	76	20414	0.877	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	24184	19.892	ug/l	94
59) 2-Hexanone	10.75	43	31195	4.089	ug/l	98
60) Dibromochloromethane	10.90	129	12547	0.783	ug/l	99
61) 1,2-Dibromoethane	11.01	107	12124	0.838	ug/l	100
64) Tetrachloroethene	10.63	164	19523	1.013	ug/l	88
65) Chlorobenzene	11.43	112	40848	0.933	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	13161	0.828	ug/l #	64
67) Ethyl Benzene	11.51	91	67868	0.935	ug/l	99
68) m/p-Xylenes	11.62	106	51917	1.831	ug/l	97
69) o-Xylene	11.95	106	24240	0.877	ug/l	96
70) Styrene	11.96	104	36982	0.853	ug/l	98
71) Bromoform	12.13	173	7259	2.921	ug/l #	92
73) Isopropylbenzene	12.25	105	65423	1.034	ug/l	99
74) N-amyl acetate	12.07	43	12642	0.900	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	13429	0.996	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	11944m	1.014	ug/l	
77) Bromobenzene	12.53	156	17201	1.027	ug/l	98
78) n-propylbenzene	12.59	91	67898	0.989	ug/l	99
79) 2-Chlorotoluene	12.67	91	42216	1.023	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	53549	1.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	2817m	3.558	ug/l	
82) 4-Chlorotoluene	12.77	91	41693	1.011	ug/l	98
83) tert-Butylbenzene	12.99	119	51144	1.056	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	49978	0.968	ug/l	99
85) sec-Butylbenzene	13.17	105	63018	1.003	ug/l	98
86) p-Isopropyltoluene	13.29	119	54044	0.981	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	26764	0.949	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	27309m	0.985	ug/l	
89) n-Butylbenzene	13.61	91	34828	0.832	ug/l	97
90) Hexachloroethane	13.88	117	8417	0.922	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	27096	0.982	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	2020	0.968	ug/l	85
93) 1,2,4-Trichlorobenzene	14.91	180	9423	3.054	ug/l	93
94) Hexachlorobutadiene	15.01	225	11432	1.088	ug/l	93
95) Naphthalene	15.14	128	20871	4.030	ug/l #	96

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ClientSampleId :
VSTDICC001

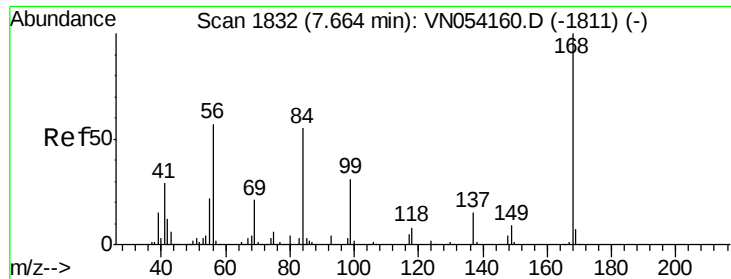
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	11601	0.792	ug/l #	59

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:168 Resp: 1626986

Ion Ratio Lower Upper

168 100

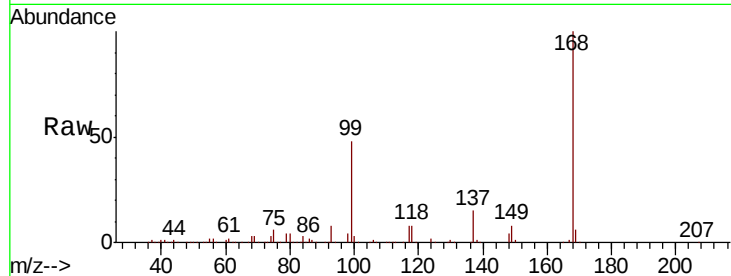
99 47.3 37.1 55.7

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

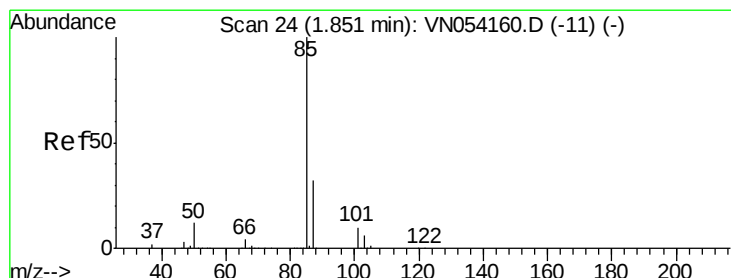
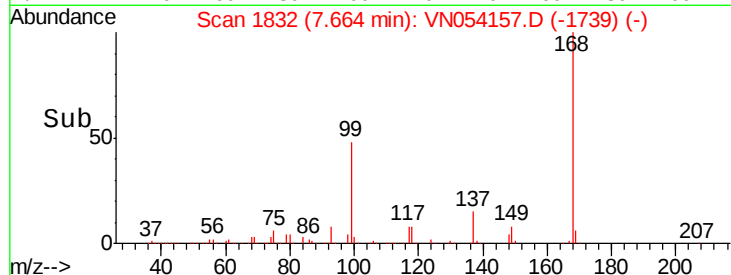
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.858 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054157.D

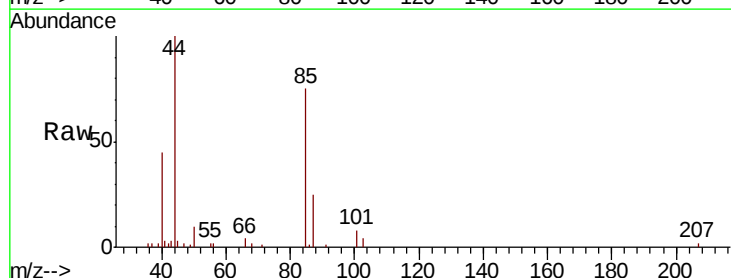
Acq: 12 Mar 2019 10:02

Tgt Ion: 85 Resp: 13226

Ion Ratio Lower Upper

85 100

87 33.5 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

10000

8000

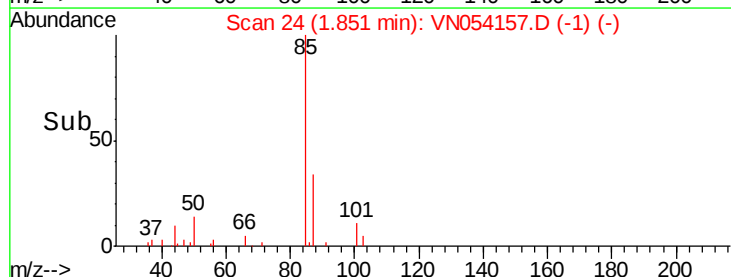
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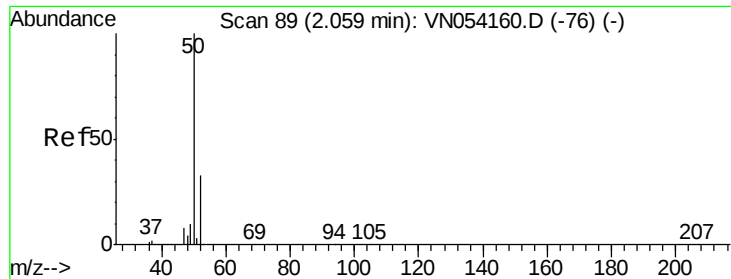
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.060 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 50 Resp: 15876

Ion Ratio Lower Upper

50 100

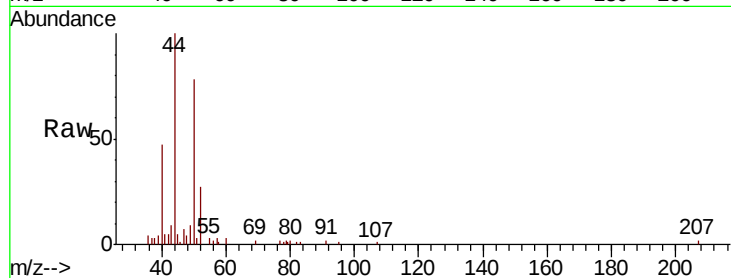
52 34.4 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

12000

10000

8000

6000

4000

2000

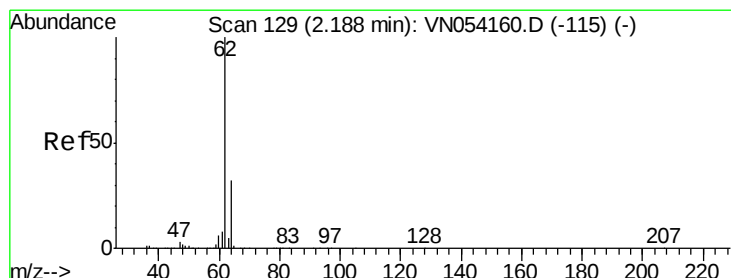
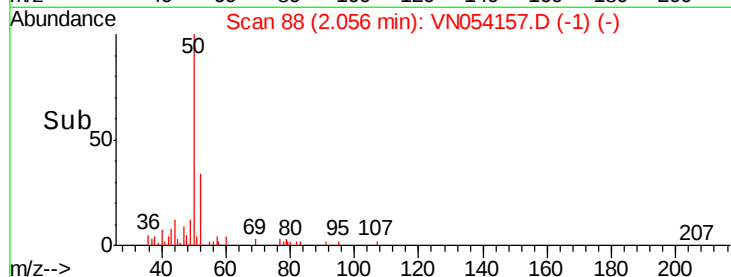
0

Time-->

2.00

2.05

2.10



#4

Vinyl Chloride

Concen: 0.971 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054157.D

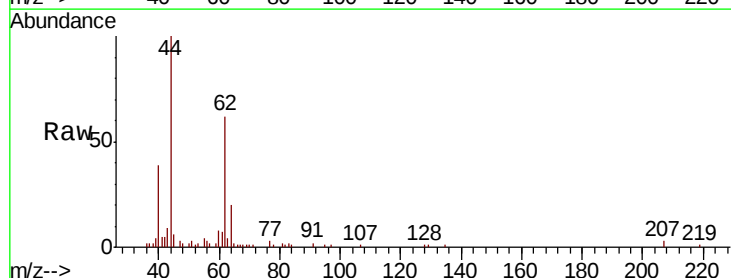
Acq: 12 Mar 2019 10:02

Tgt Ion: 62 Resp: 16627

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

12000

10000

8000

6000

4000

2000

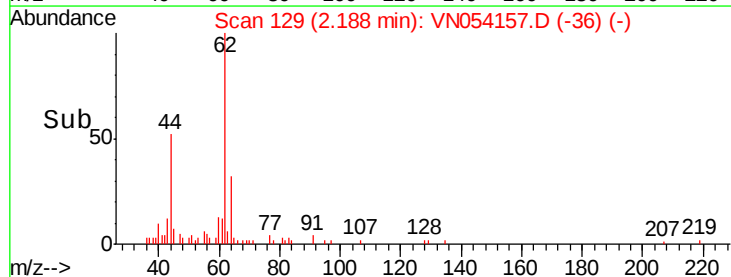
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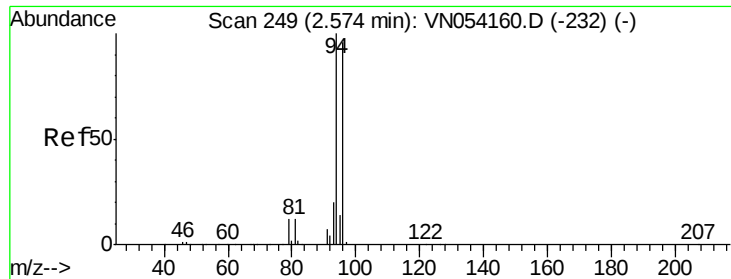
Time-->

2.15

2.20

2.25





#5

Bromomethane

Concen: 1.153 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 94 Resp: 13673

Ion Ratio Lower Upper

94 100

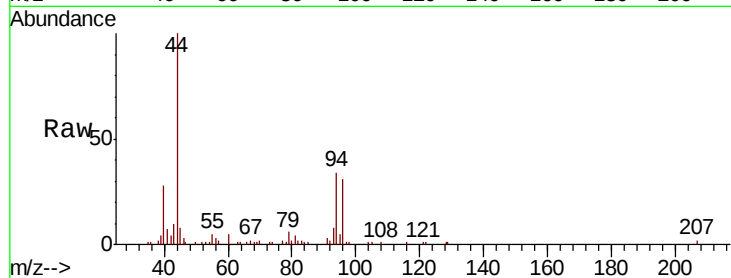
96 89.4 77.0 115.4

Manual Integrations

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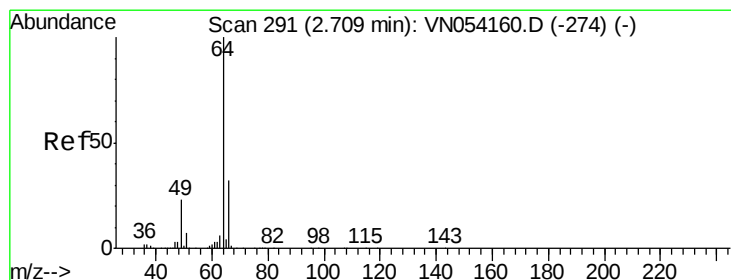
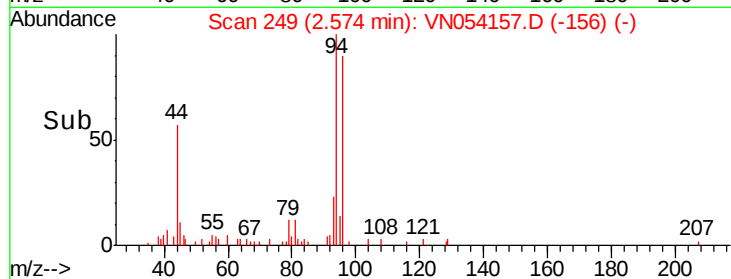
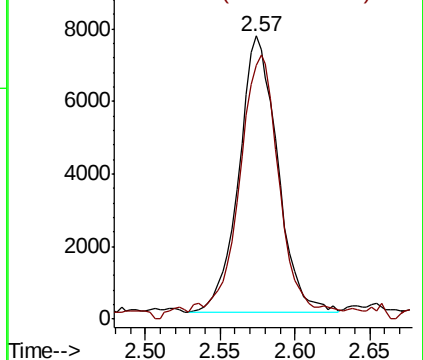
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.093 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054157.D

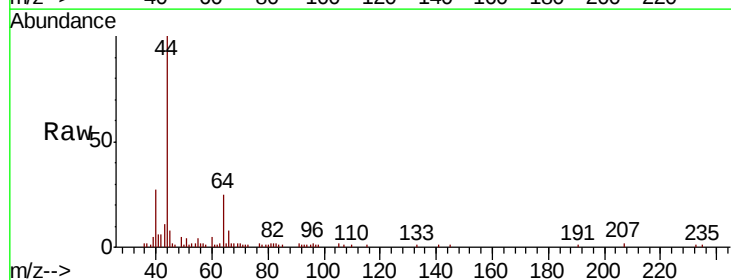
Acq: 12 Mar 2019 10:02

Tgt Ion: 64 Resp: 11323

Ion Ratio Lower Upper

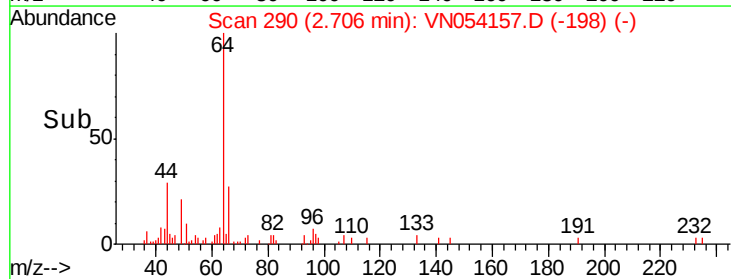
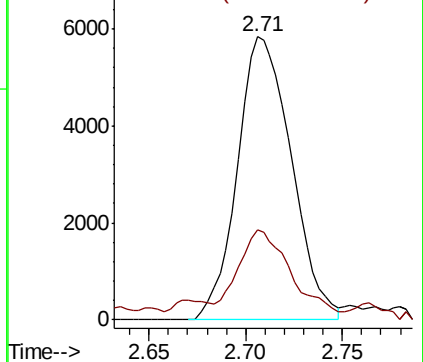
64 100

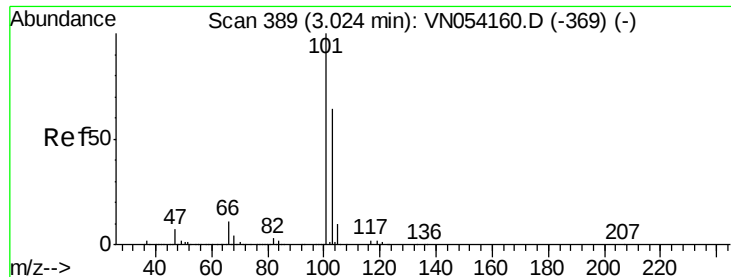
66 29.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

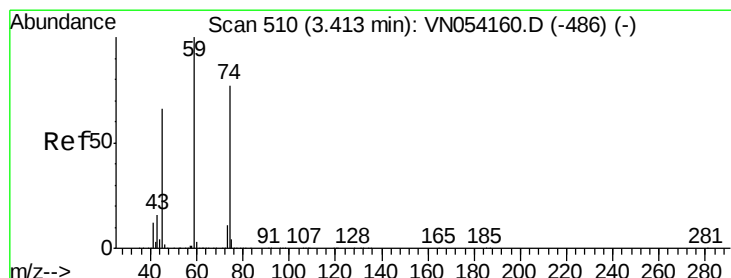
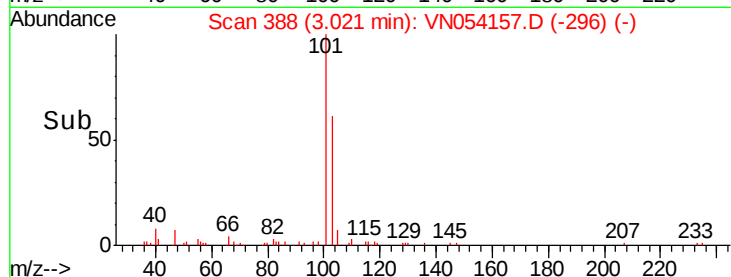
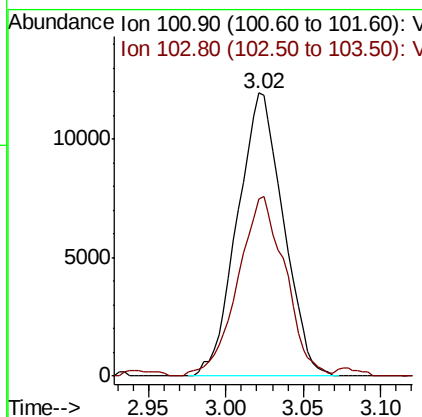
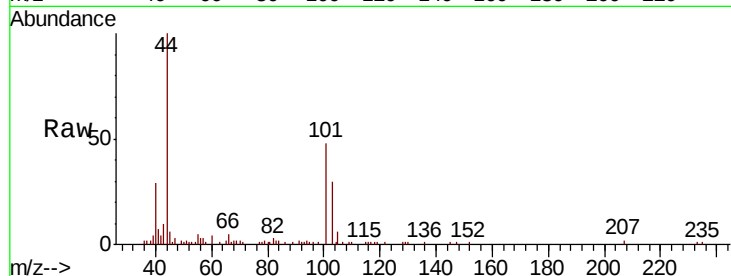
Trichlorofluoromethane
 Concen: 1.086 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.4	77.2

Manual Integrations
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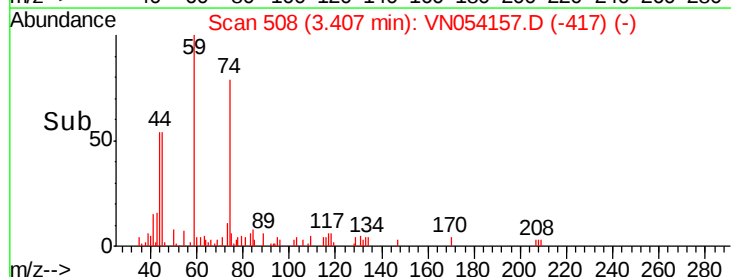
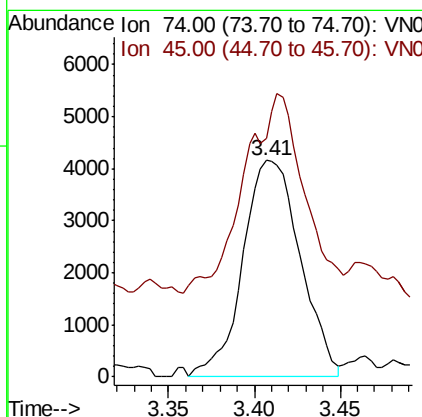
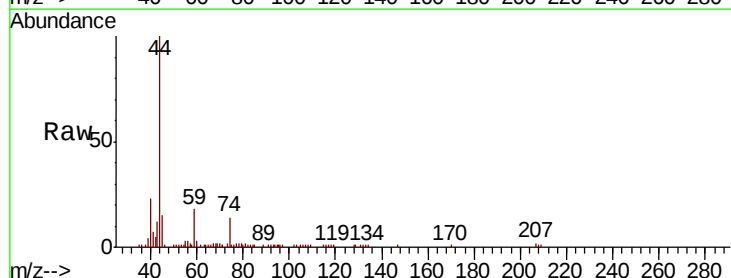
MMDadoda
 3/13/2019 11:49:00 AM

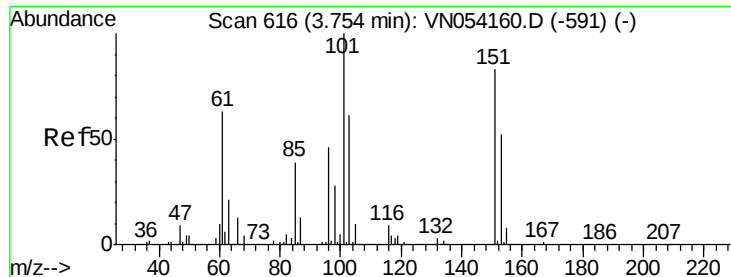


#8

Diethyl Ether
 Concen: 0.933 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.9	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.935 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

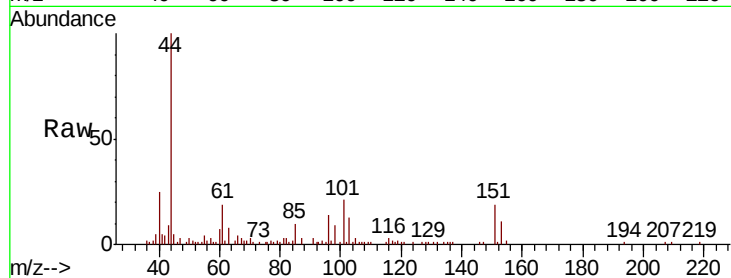
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	15940		
85	50.0	32.4	48.6#	
151	85.0	68.2	102.2	

Manual Integrations
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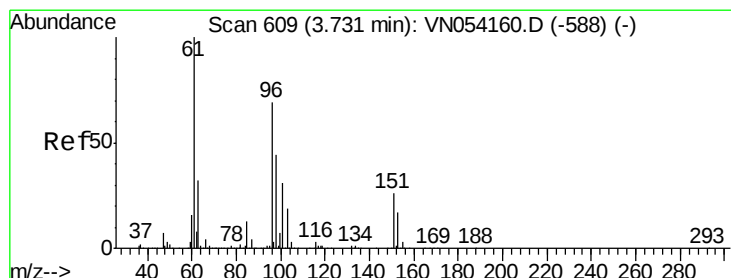
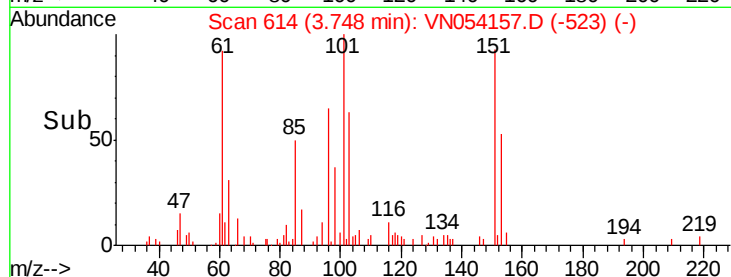
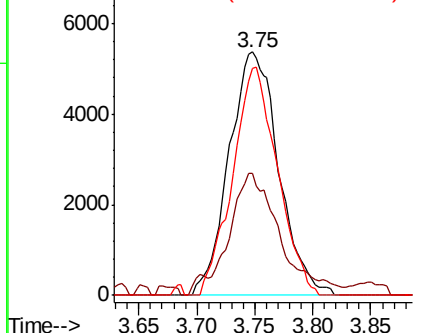
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#12

1,1-Dichloroethene

Concen: 0.921 ug/l

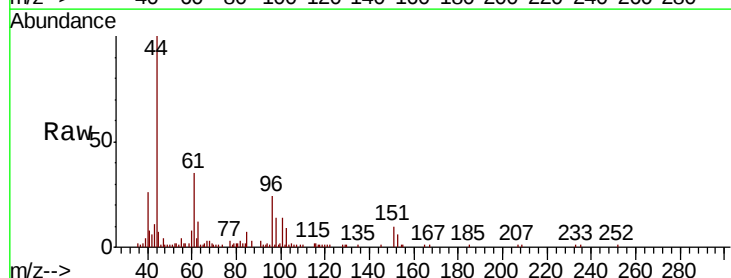
RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

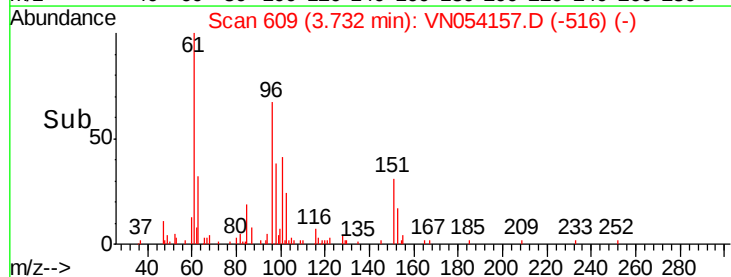
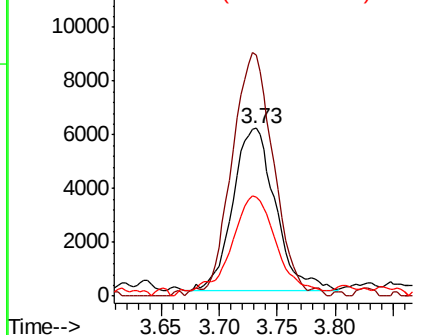
Tgt Ion	Ratio	Resp	Lower	Upper
96	100	15559		
61	145.5	116.5	174.7	
98	57.8	51.0	76.4	

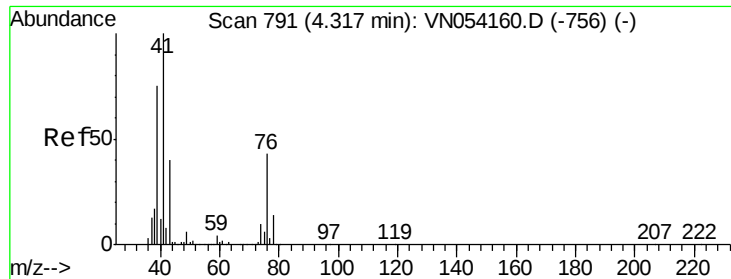


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





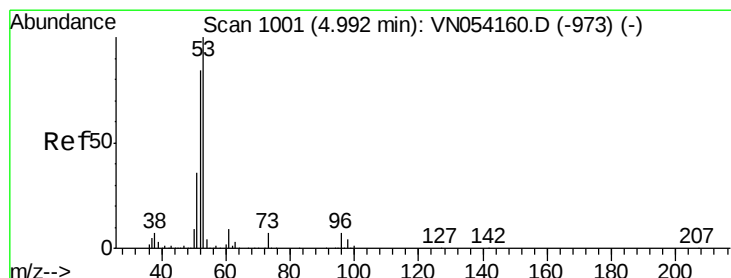
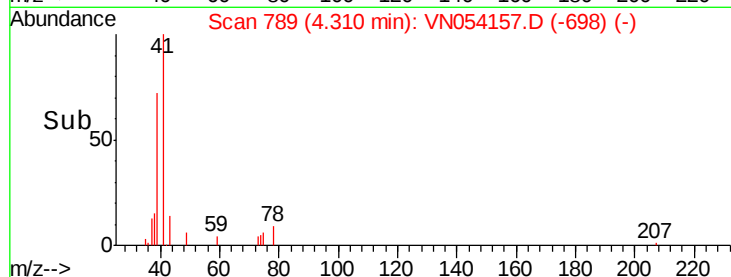
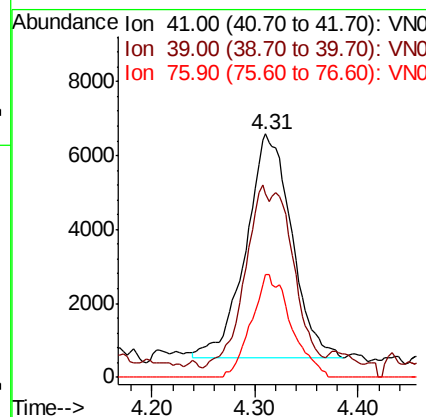
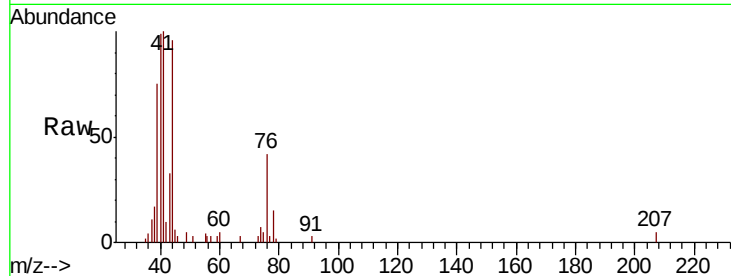
#14
 Allyl chloride
 Concen: 0.864 ug/l
 RT: 4.31 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:	41	Resp:	18732
Ion	Ratio	Lower	Upper
41	100		
39	42.7	58.2	87.4#
76	39.8	31.7	47.5

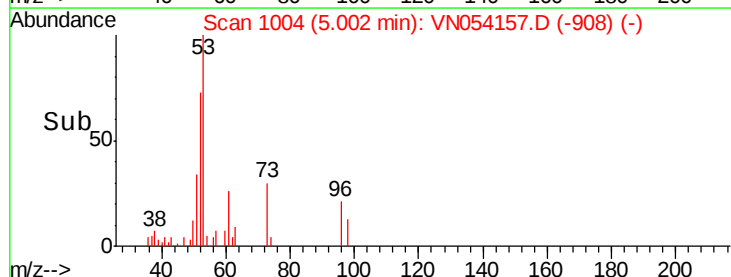
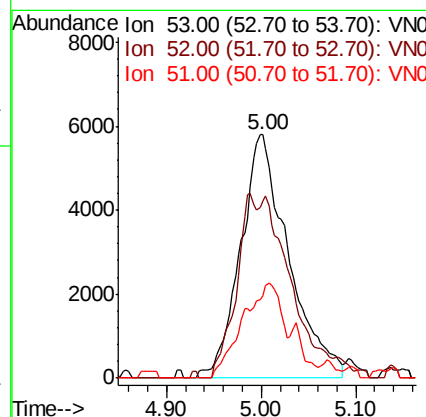
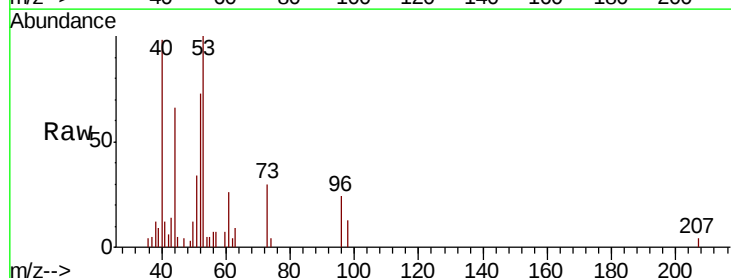
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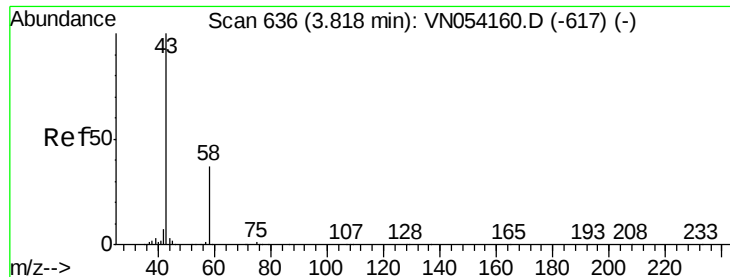
MMDadoda
 3/13/2019 11:49:00 AM



#15
 Acrylonitrile
 Concen: 4.195 ug/l
 RT: 5.00 min Scan# 1004
 Delta R.T. 0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion:	53	Resp:	20413
Ion	Ratio	Lower	Upper
53	100		
52	32.5	66.4	99.6#
51	31.6	29.6	44.4





#16

Acetone

Concen: 5.520 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 43 Resp: 27310

Ion Ratio Lower Upper

43 100

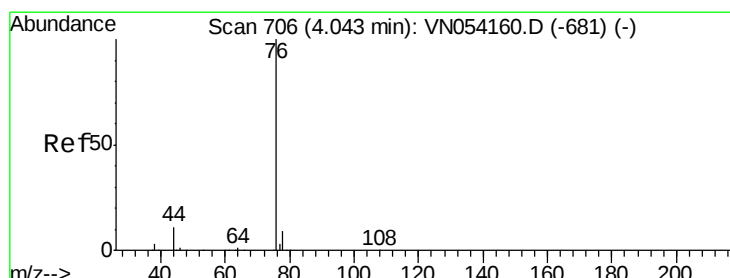
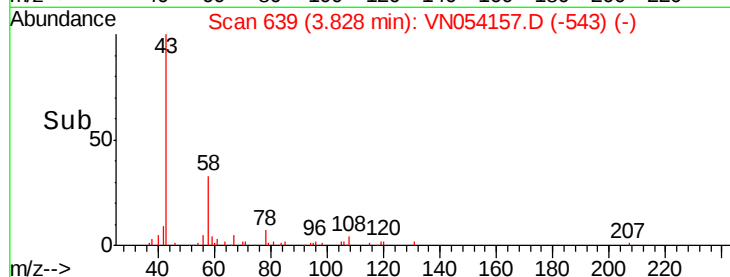
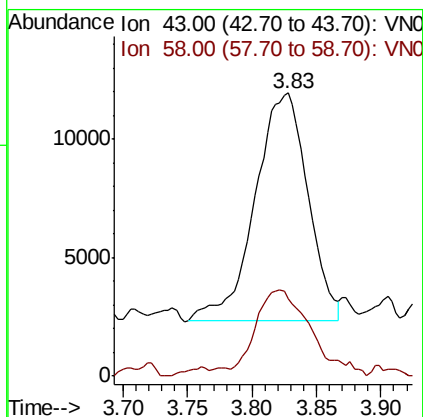
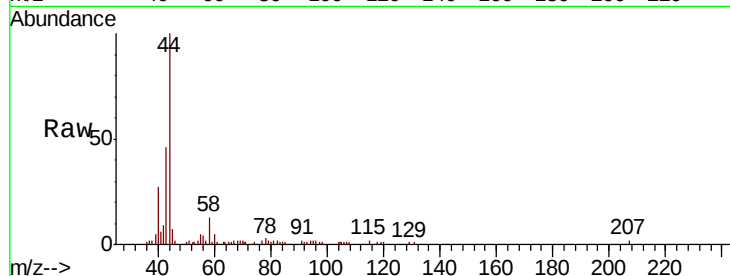
58 29.6 29.9 44.9#

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#17

Carbon Disulfide

Concen: 0.835 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054157.D

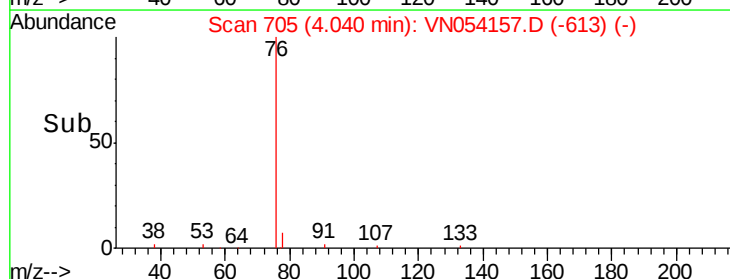
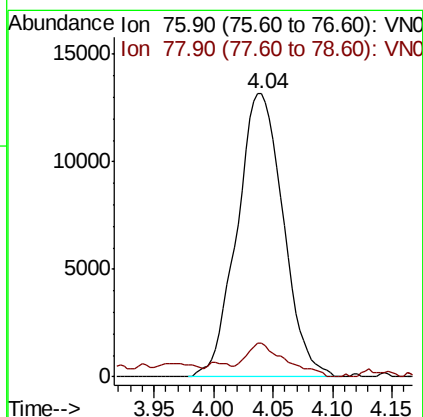
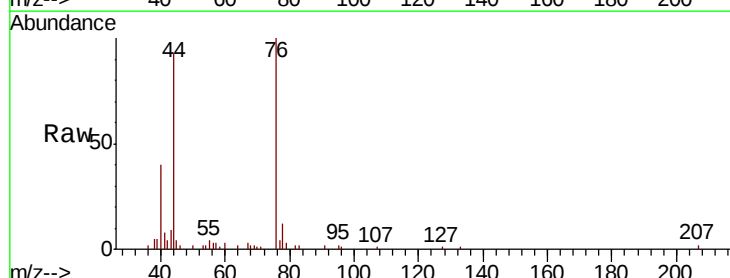
Acq: 12 Mar 2019 10:02

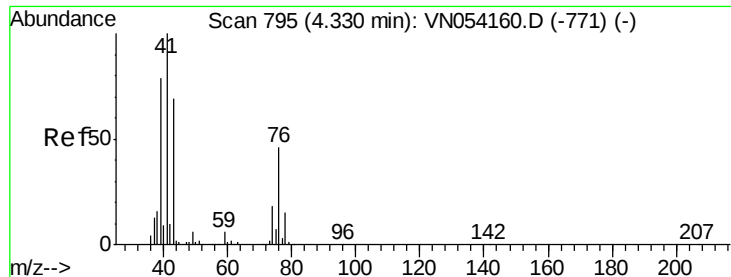
Tgt Ion: 76 Resp: 35391

Ion Ratio Lower Upper

76 100

78 12.1 7.5 11.3#





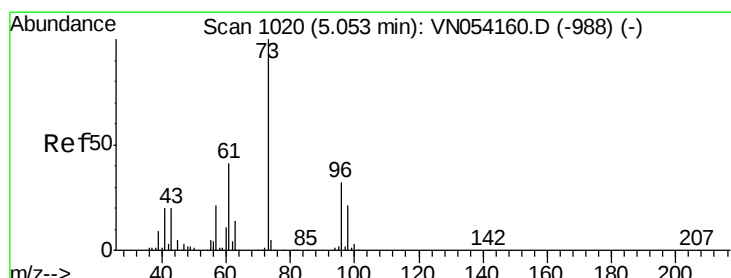
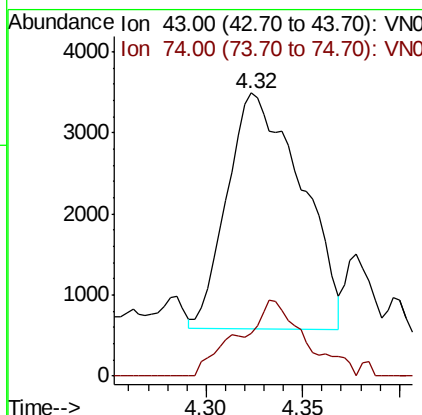
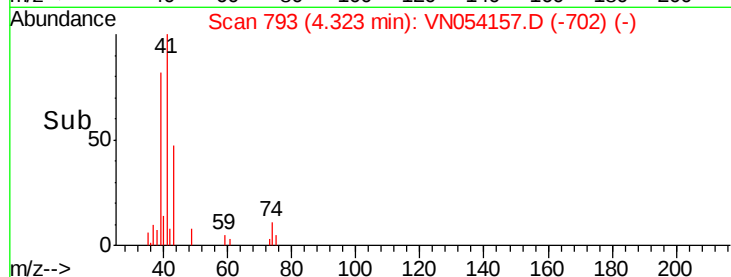
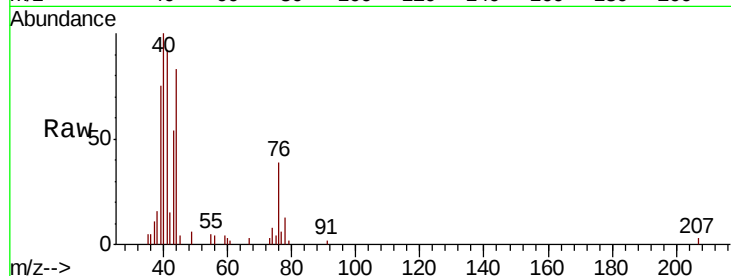
#18
Methyl Acetate
Concen: 0.773 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 43 Resp: 7740
Ion Ratio Lower Upper
43 100
74 28.9 20.8 31.2

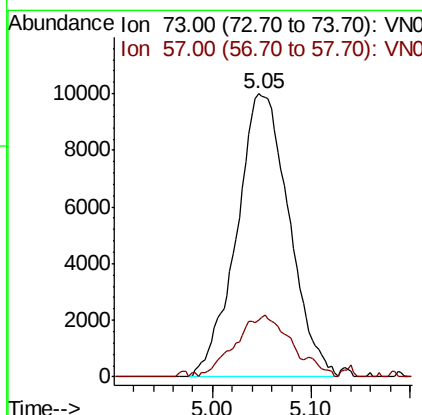
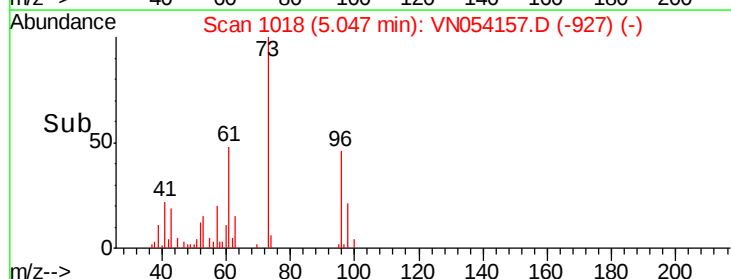
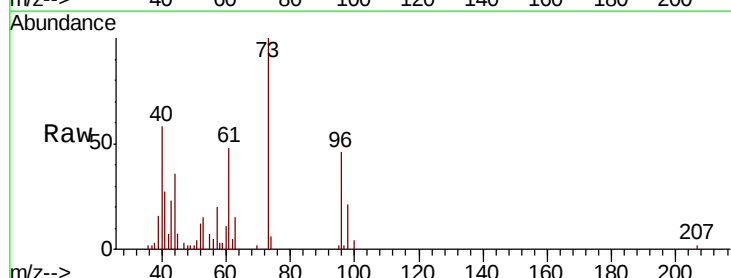
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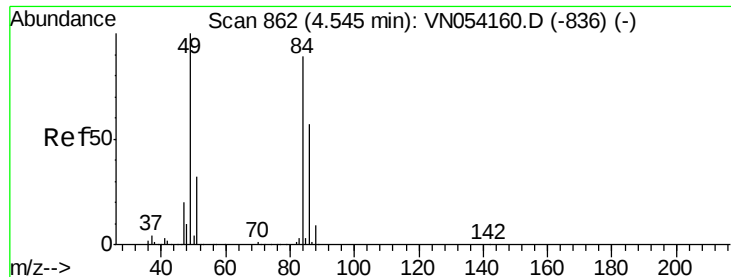
MMDadoda
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#19
Methyl tert-butyl Ether
Concen: 0.877 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 73 Resp: 36757
Ion Ratio Lower Upper
73 100
57 19.9 16.8 25.2





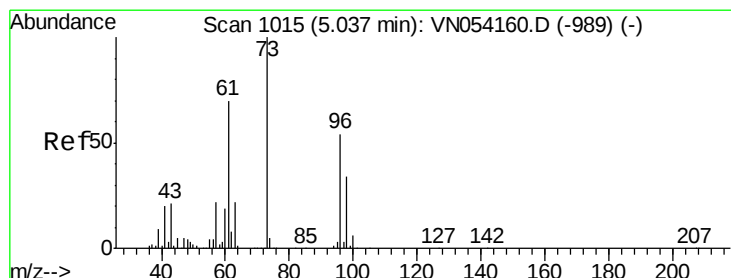
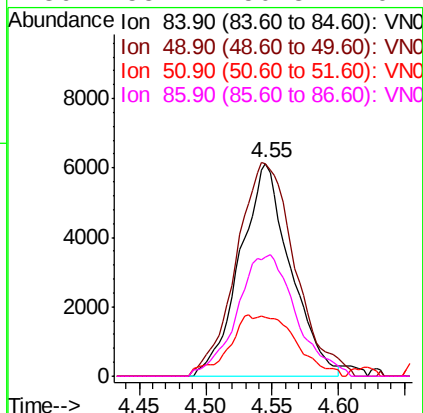
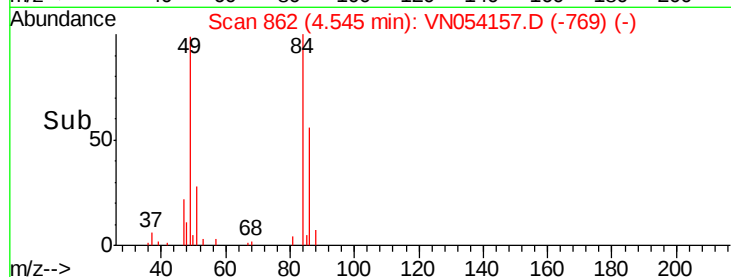
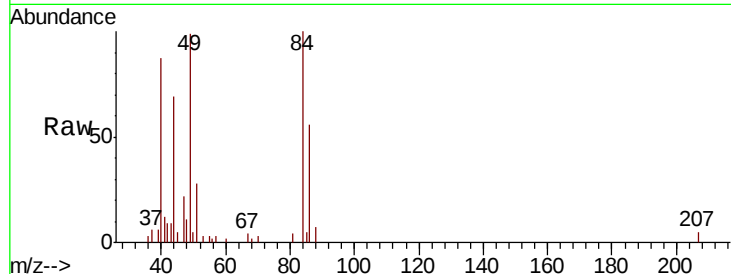
#20
Methylene Chloride
Concen: 0.998 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
84	100		
49	99.5	89.7	134.5
51	27.7	28.2	42.4#
86	55.7	50.8	76.2

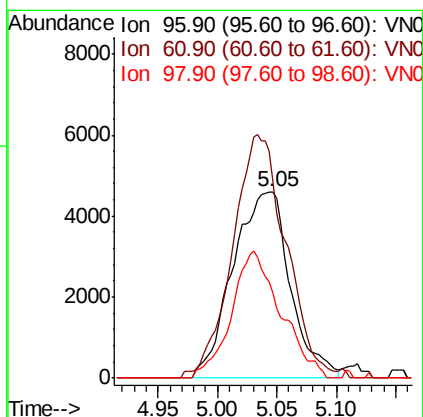
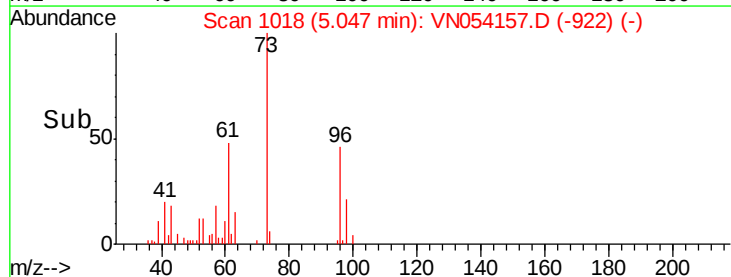
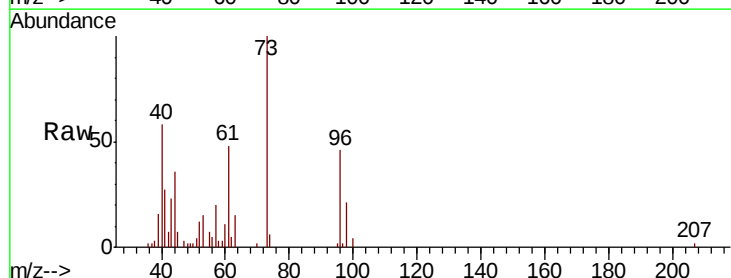
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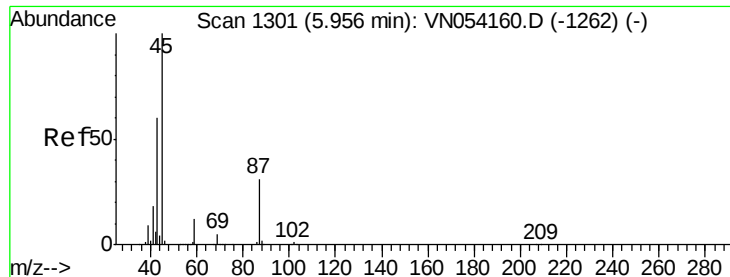
MMDadoda
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#21
trans-1,2-Dichloroethene
Concen: 0.950 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	101.5	102.8	154.2#
98	45.8	50.0	75.0#





#22

Diisopropyl ether

Concen: 0.893 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

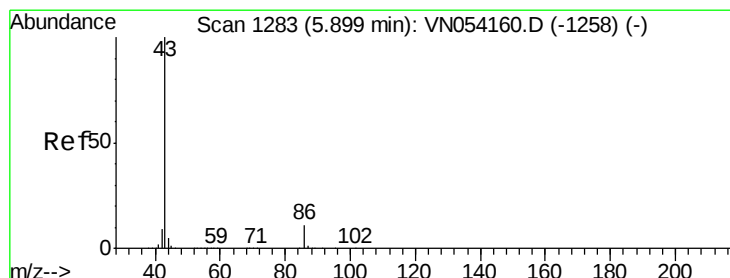
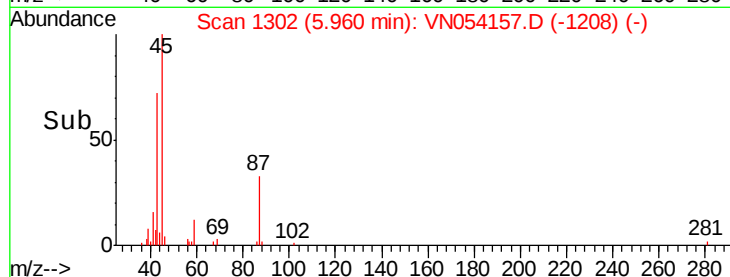
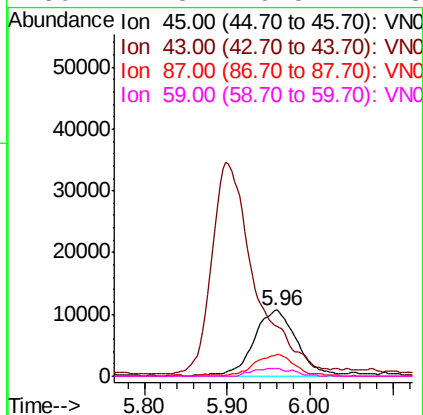
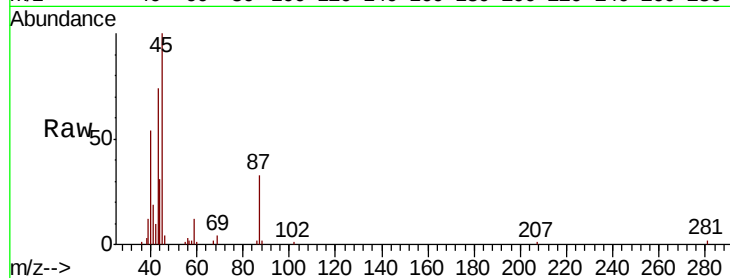
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	48.2	72.2
87	32.7	24.9	37.3
59	12.3	9.5	14.3

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#23

Vinyl Acetate

Concen: 3.883 ug/l

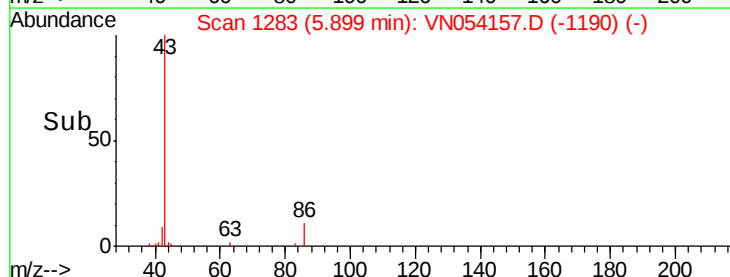
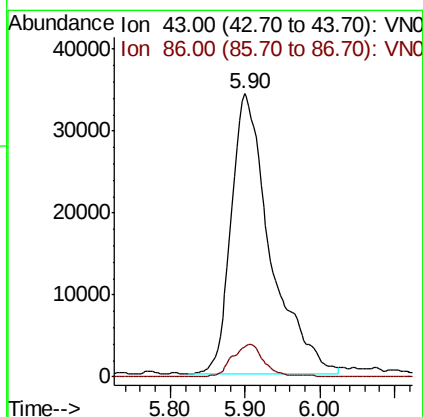
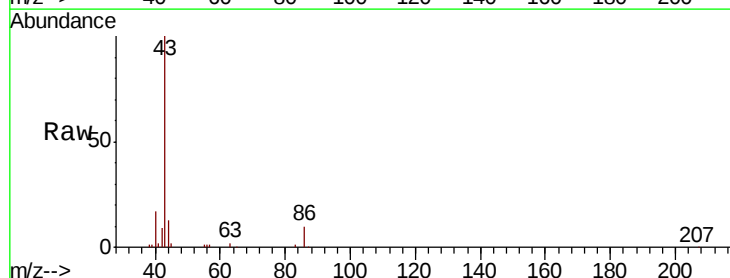
RT: 5.90 min Scan# 1283

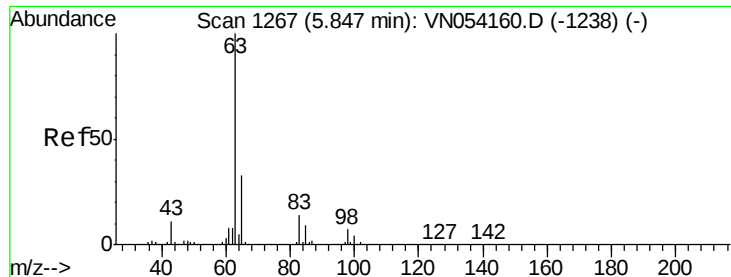
Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.6	9.1	13.7





#24

1,1-Dichloroethane

Concen: 0.913 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

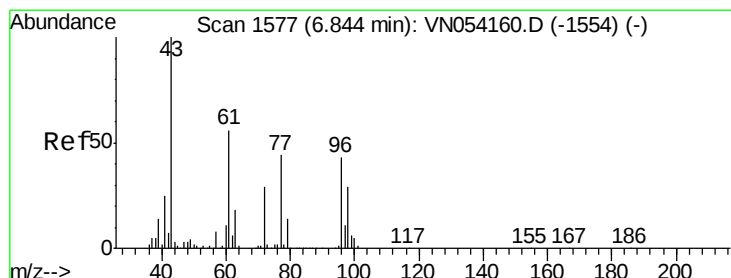
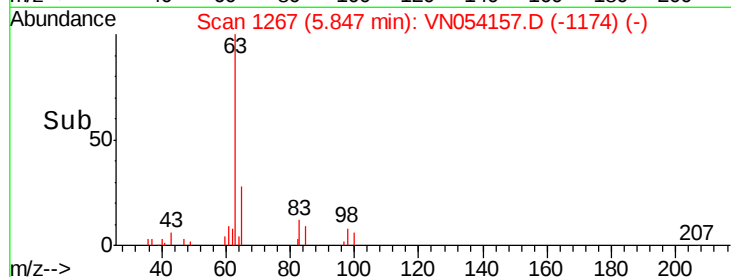
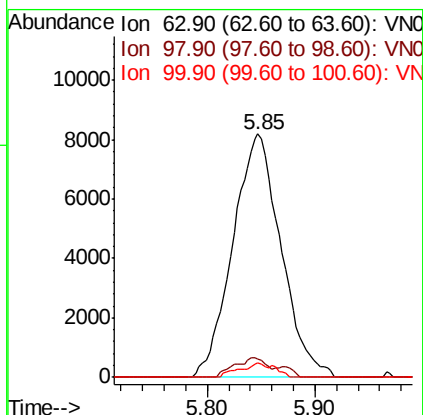
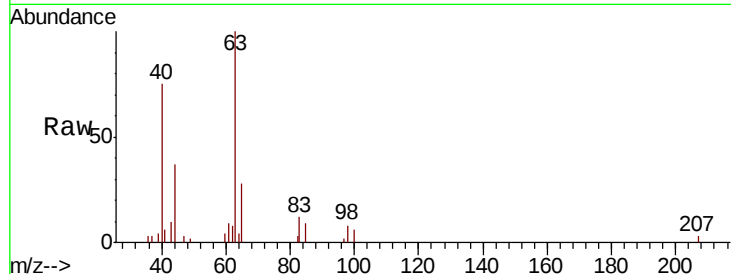
ClientSampleId :

VSTDIC001

Tgt Ion:	63	Resp:	25367
Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.5	10.5
100	5.7	2.0	6.0

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#25

2-Butanone

Concen: 3.749 ug/l

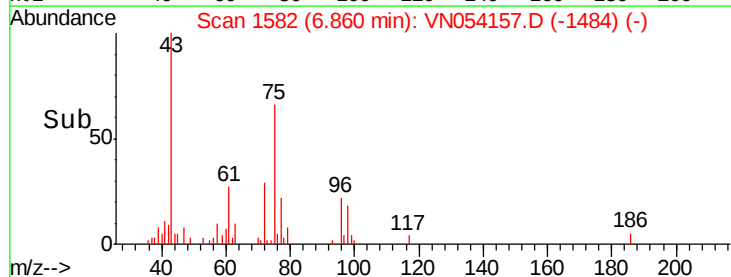
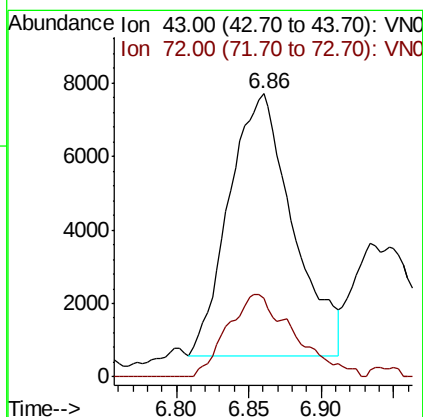
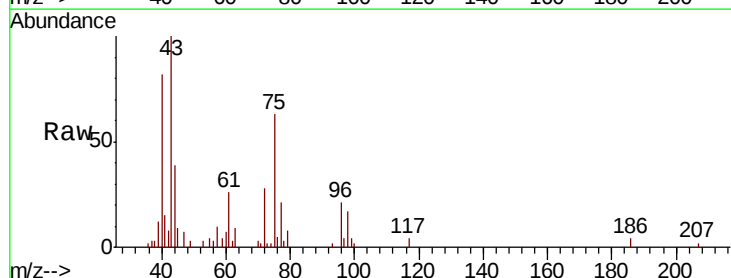
RT: 6.86 min Scan# 1582

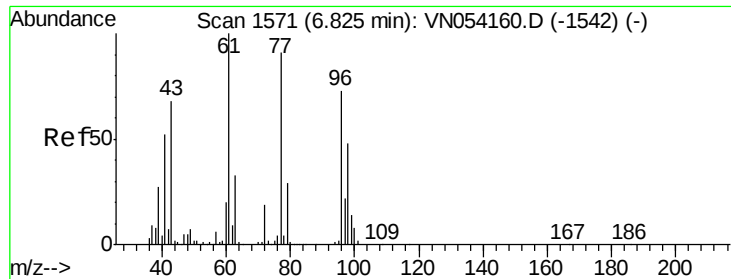
Delta R.T. 0.02 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion:	43	Resp:	21771
Ion	Ratio	Lower	Upper
43	100		
72	29.8	23.0	34.6





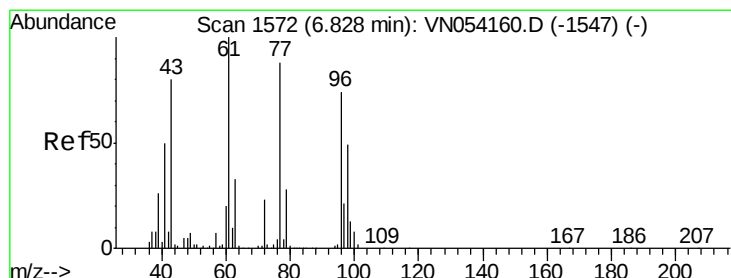
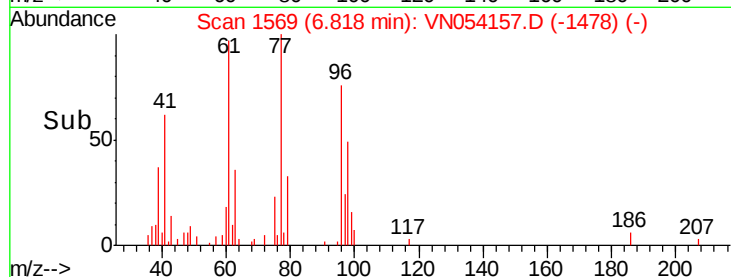
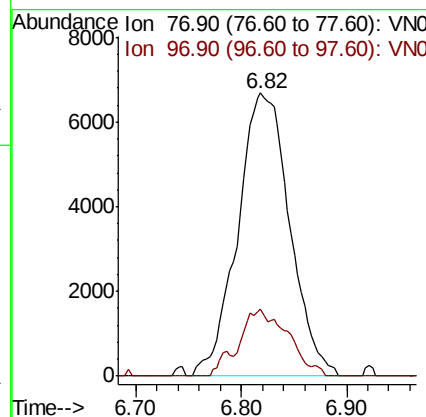
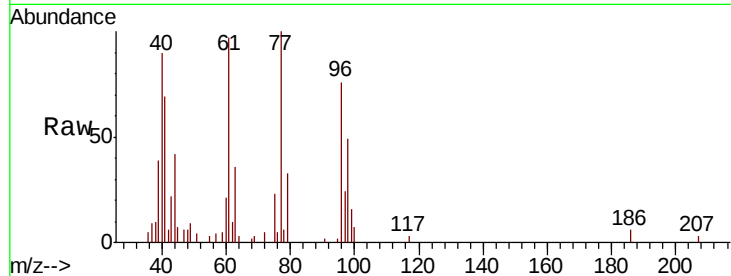
#26
 2,2-Dichloropropane
 Concen: 0.936 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion: 77 Resp: 22886
 Ion Ratio Lower Upper
 77 100
 97 20.2 11.9 35.9

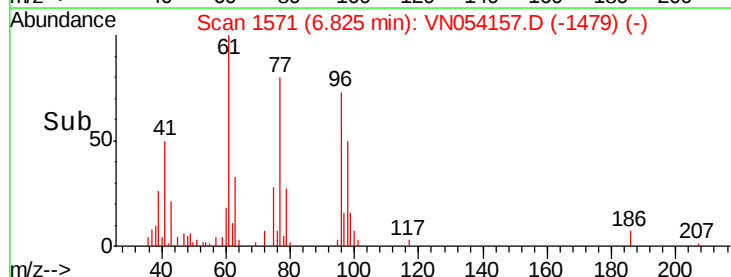
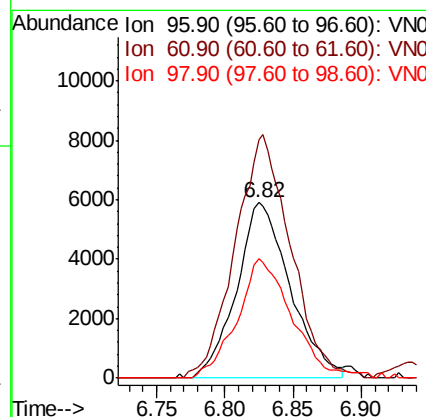
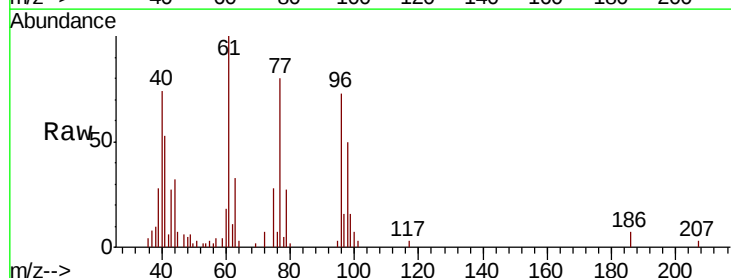
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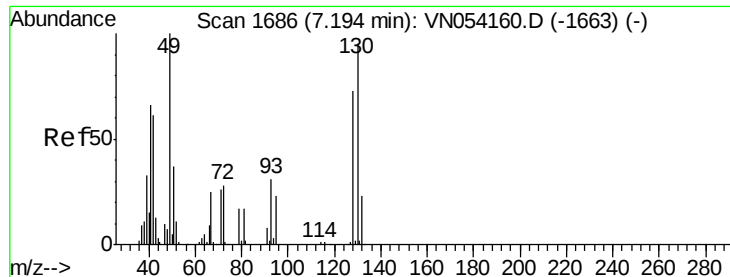
MMDadoda
 3/13/2019 11:49:00 AM



#27
 cis-1,2-Dichloroethene
 Concen: 0.892 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 96 Resp: 16112
 Ion Ratio Lower Upper
 96 100
 61 143.1 0.0 273.0
 98 69.7 0.0 130.6





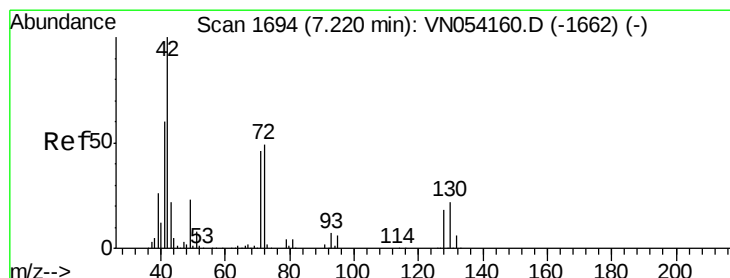
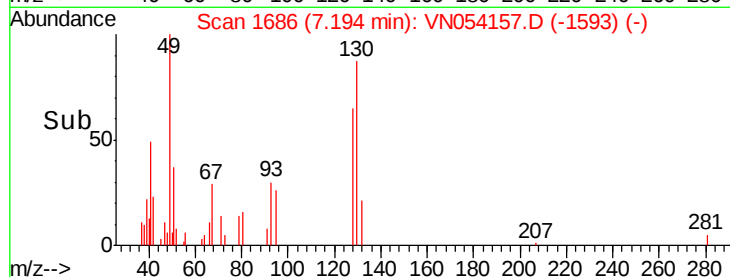
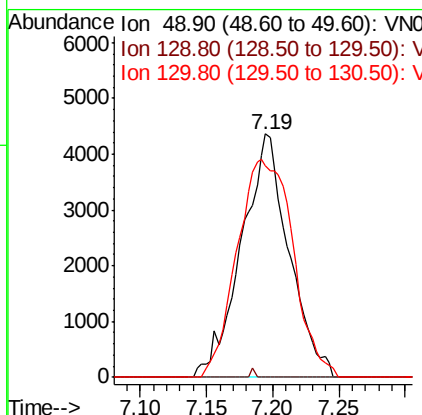
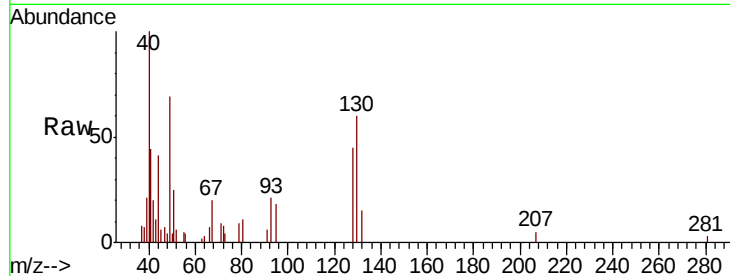
#28
 Bromochloromethane
 Concen: 0.955 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.6
130	105.5	76.7	115.1

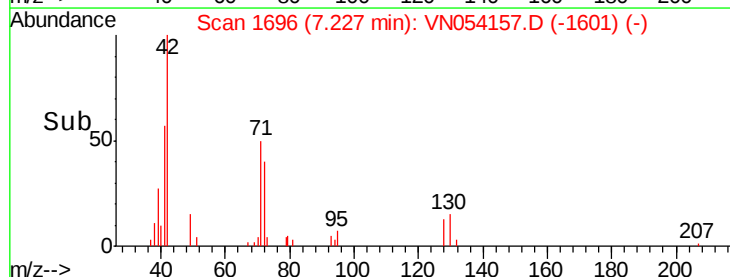
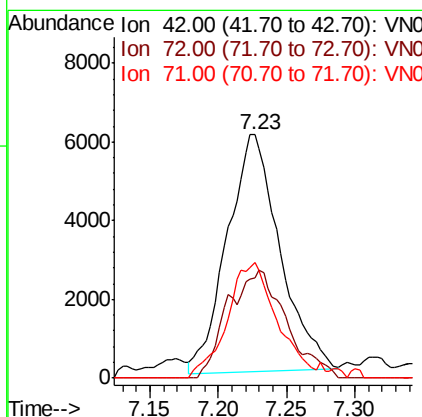
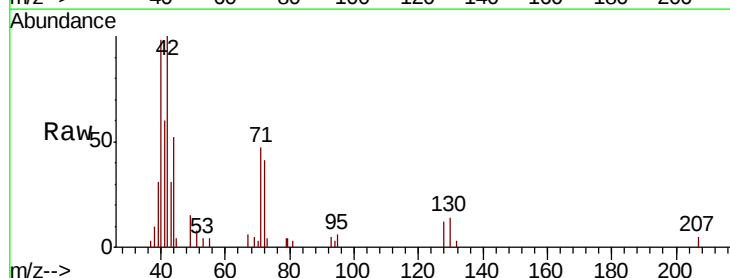
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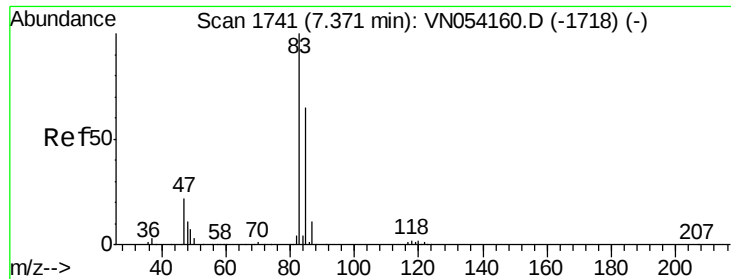
MMDadoda
 3/13/2019 11:49:00 AM



#29
 Tetrahydrofuran
 Concen: 4.354 ug/l
 RT: 7.23 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.0	37.8	56.6
71	45.7	36.2	54.2





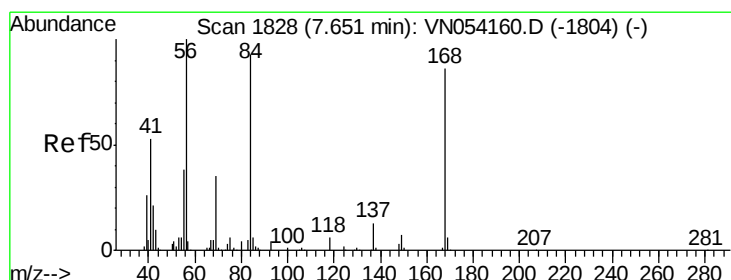
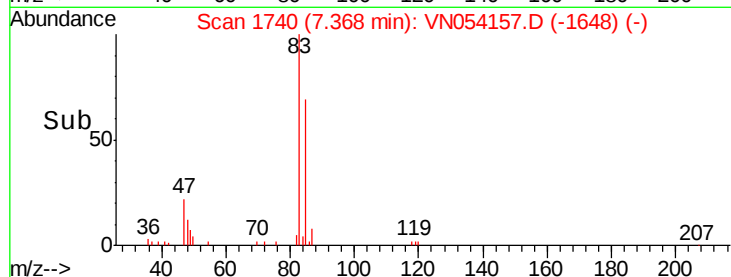
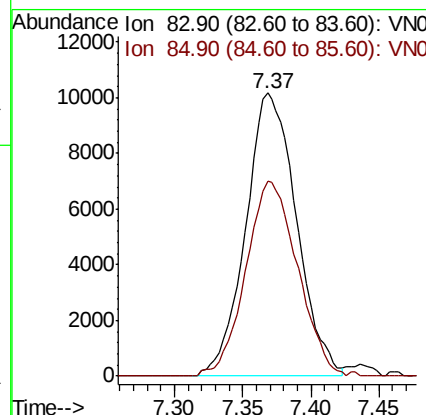
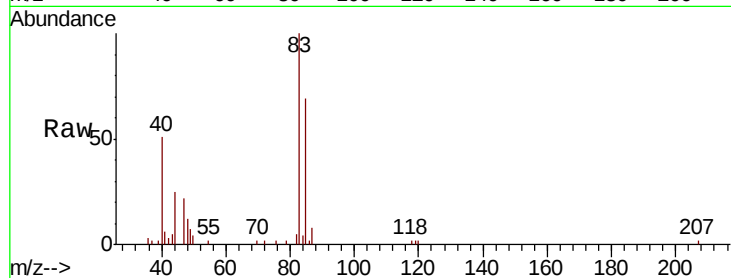
#30
Chloroform
Concen: 0.906 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 26282
Ion Ratio Lower Upper
83 100
85 68.8 52.2 78.4

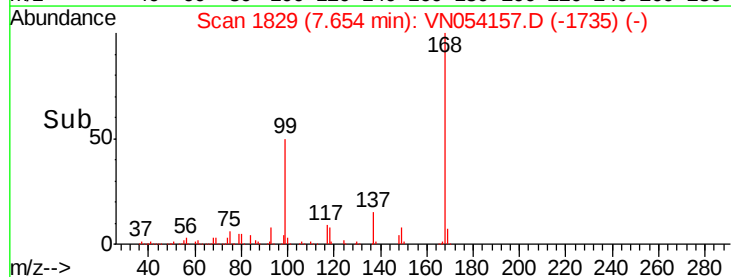
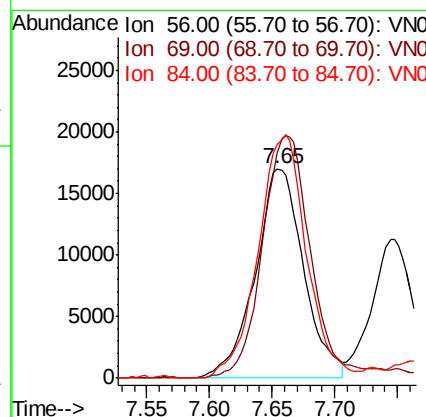
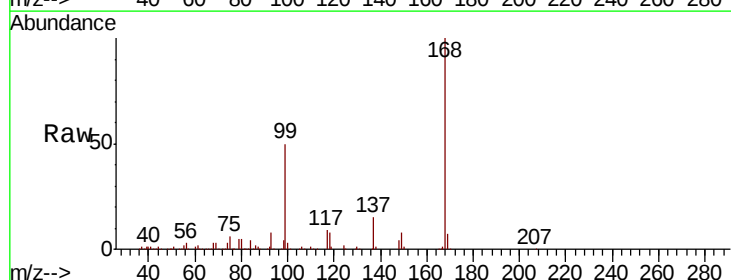
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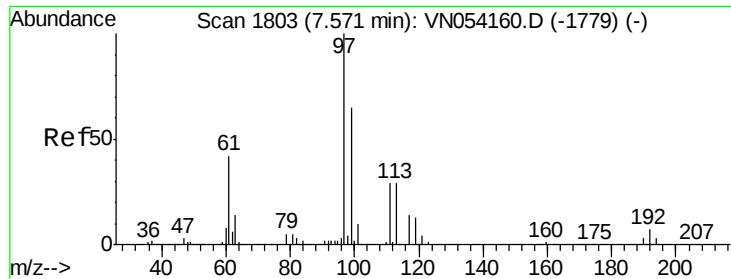
MMDadoda
3/13/2019 11:49:00 AM



#31
Cyclohexane
Concen: 0.547 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 56 Resp: 45759
Ion Ratio Lower Upper
56 100
69 106.9 27.8 41.6#
84 111.3 74.6 111.8





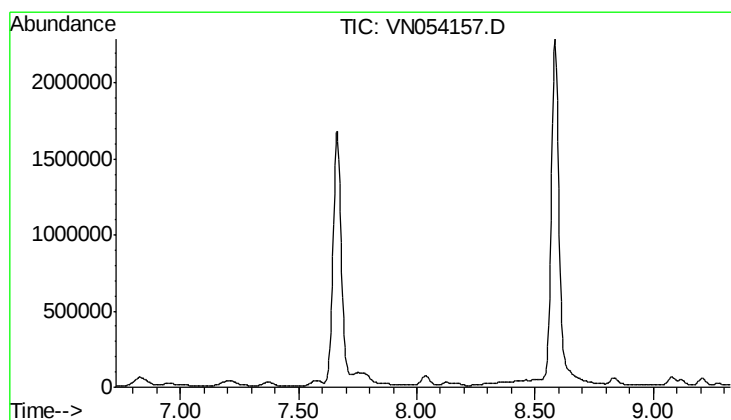
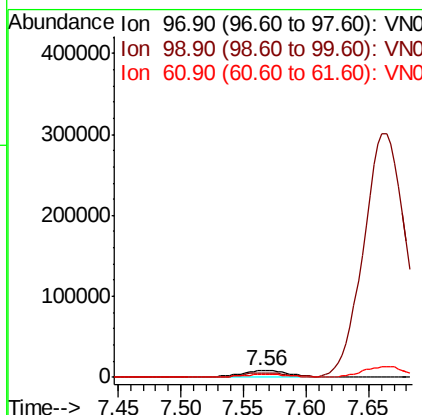
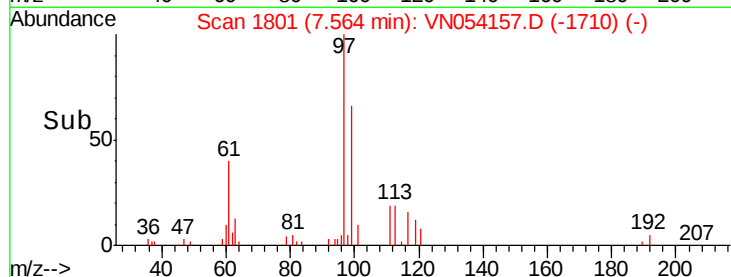
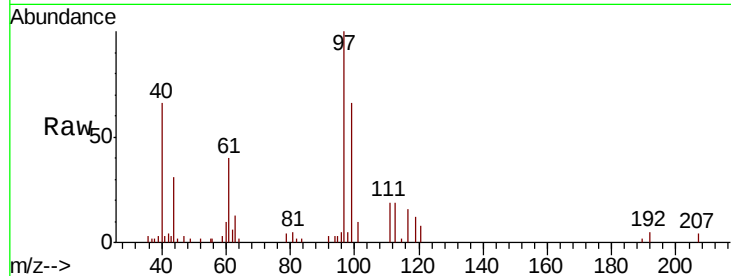
#32
 1,1,1-Trichloroethane
 Concen: 0.866 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	43.0	33.6	50.4

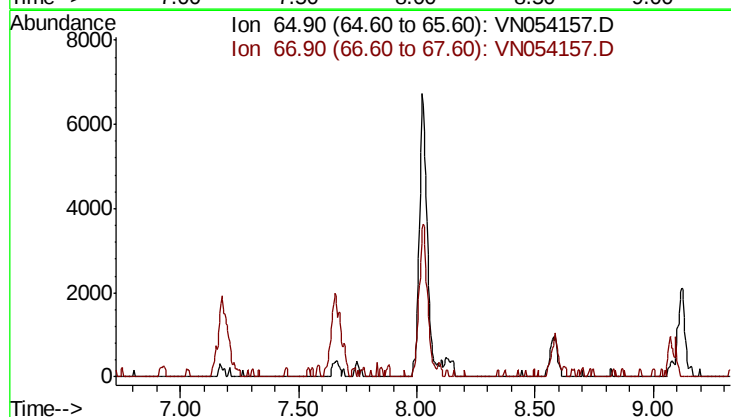
Manual Integrations
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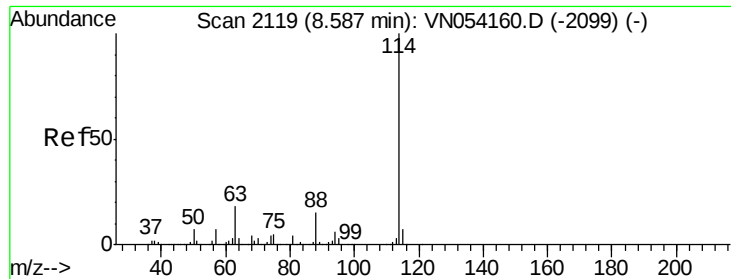
MMDadoda
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.03 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Exp Ratio
65	100
67	52.3





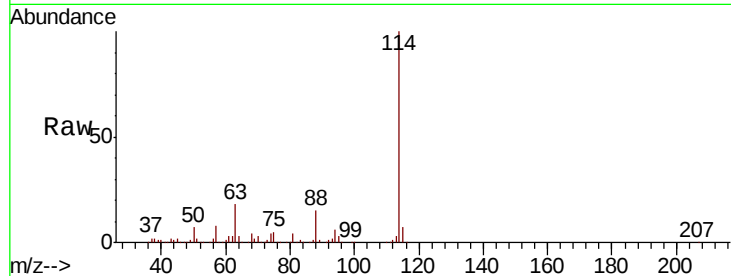
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

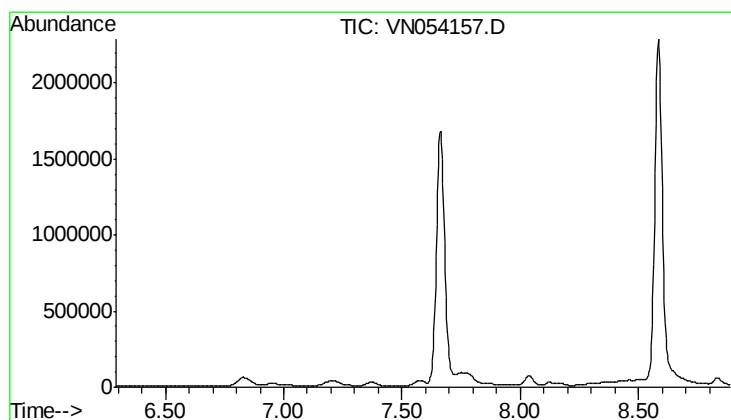
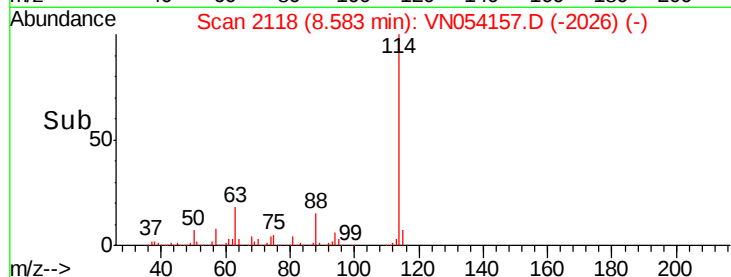
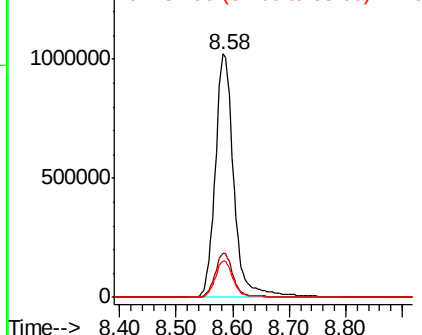
Tgt Ion: 114 Resp: 2332750
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 35.2
 88 14.9 0.0 30.2

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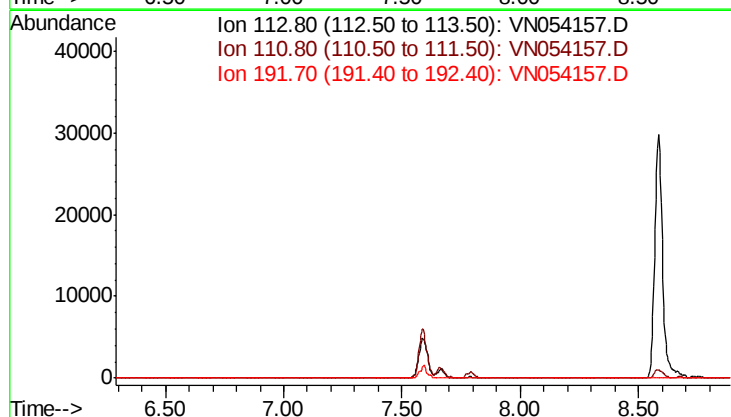


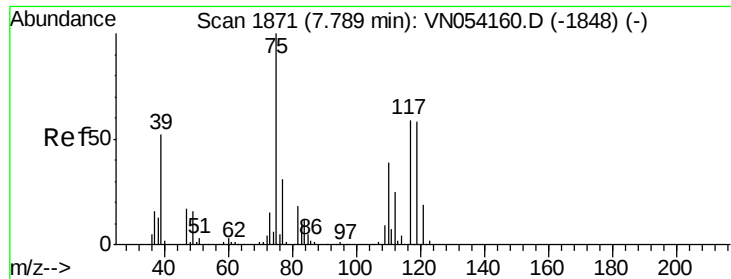
Abundance Ion 113.90 (113.60 to 114.60): VN054157.D
 Ion 63.00 (62.70 to 63.70): VN054157.D
 Ion 87.90 (87.60 to 88.60): VN054157.D



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 102.8
 192 24.0





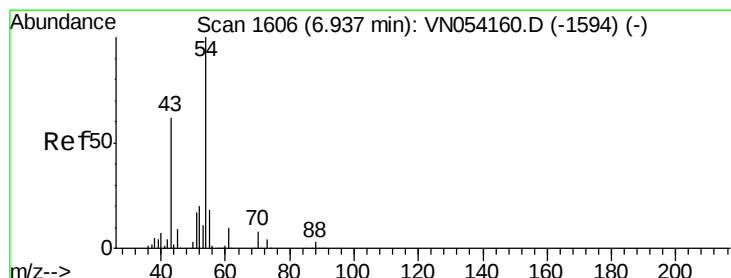
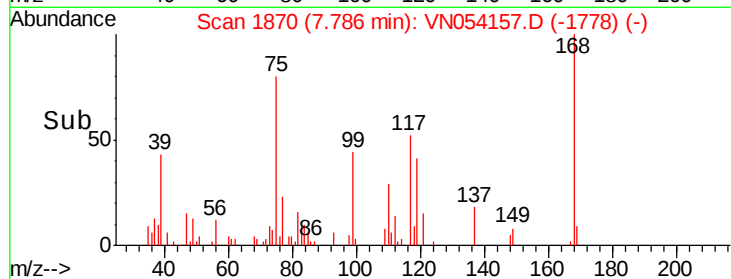
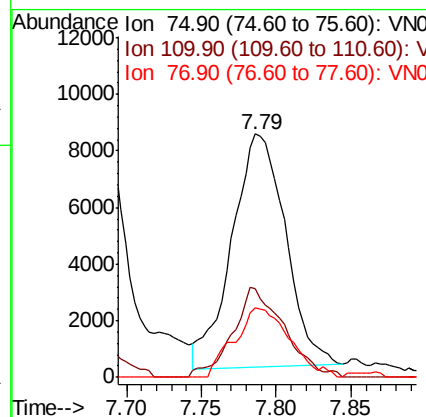
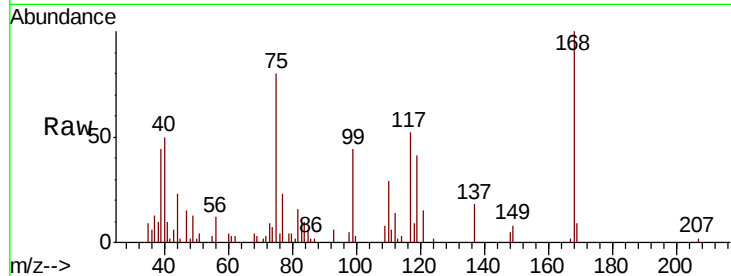
#36
 1,1-Dichloropropene
 Concen: 0.964 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	19.1	57.5
77	30.4	25.0	37.4

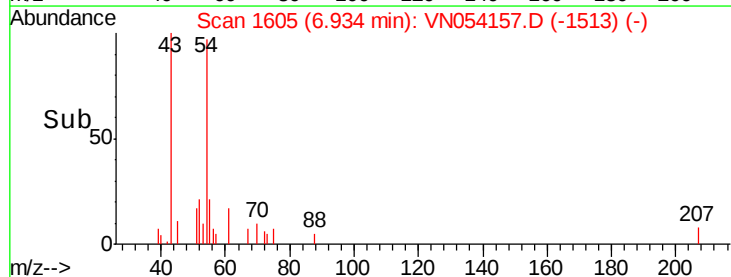
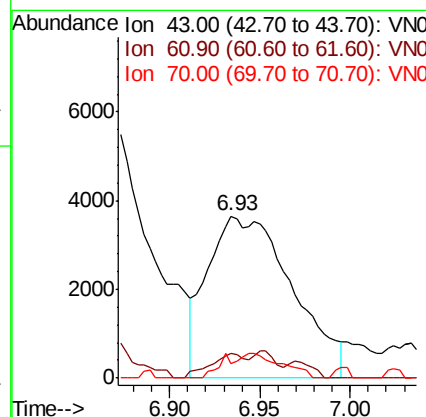
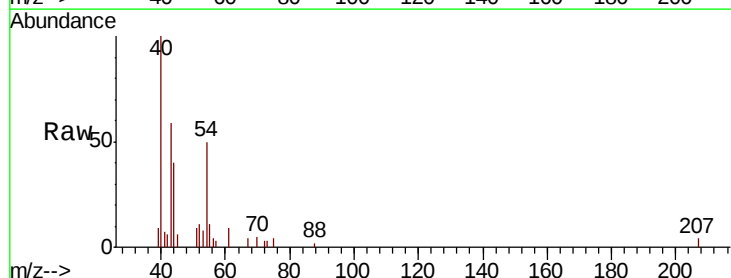
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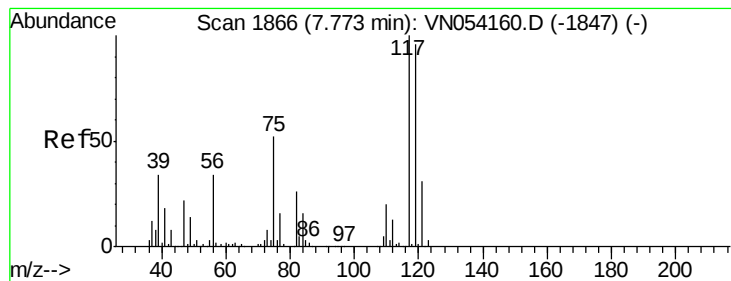
MMDadoda
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#37
 Ethyl Acetate
 Concen: 0.940 ug/l m
 RT: 6.93 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	6.5	11.8	17.6#
70	2.4	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 0.916 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

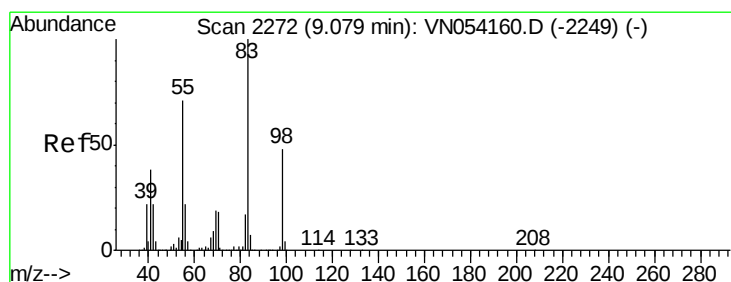
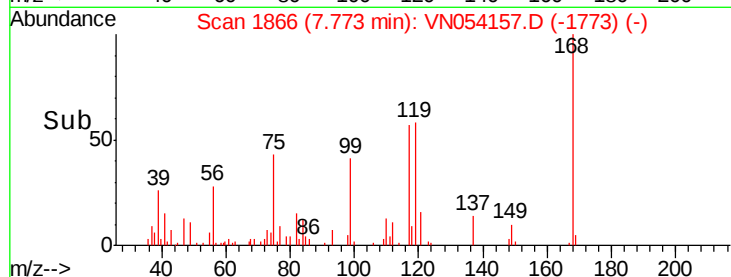
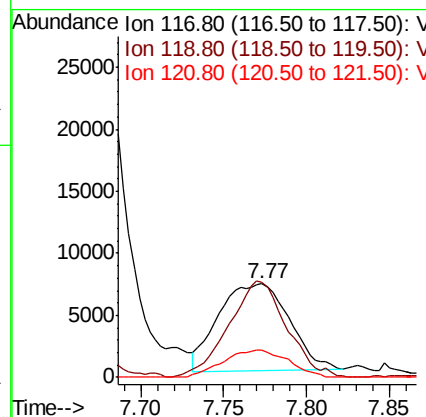
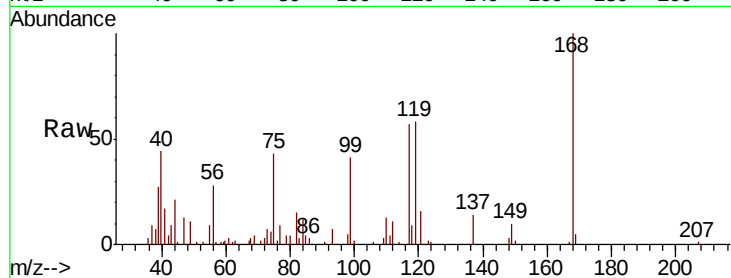
ClientSampled :

VSTDIC001

Tgt Ion:	117	Resp:	20642
Ion Ratio	Lower	Upper	
117	100		
119	109.8	76.3	114.5
121	31.5	24.6	36.8

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#39

Methylcyclohexane

Concen: 0.934 ug/l

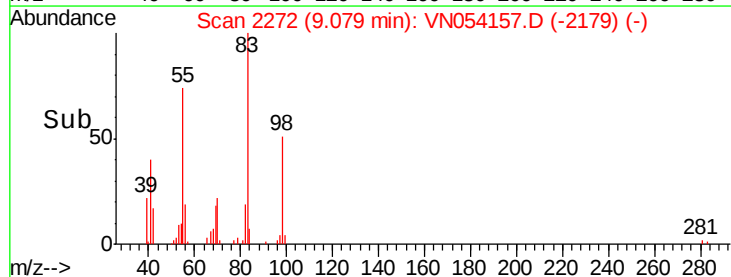
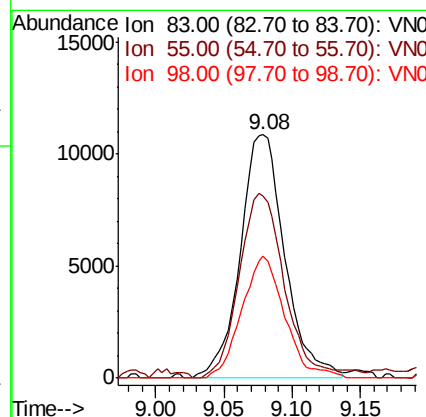
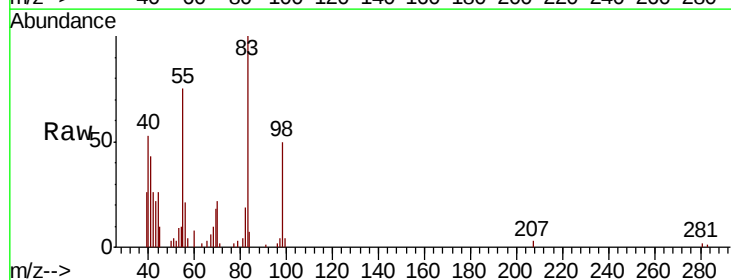
RT: 9.08 min Scan# 2272

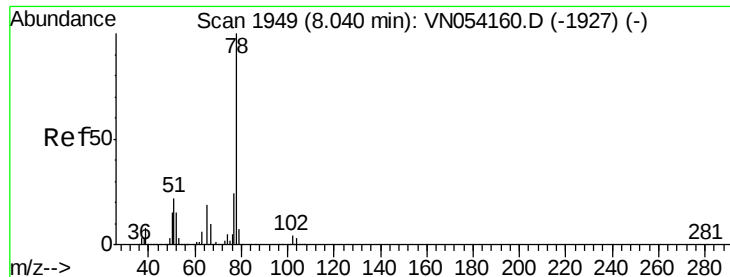
Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion:	83	Resp:	24692
Ion Ratio	Lower	Upper	
83	100		
55	74.7	56.6	84.8
98	50.1	38.4	57.6





#40

Benzene

Concen: 0.894 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 54940

Ion Ratio Lower Upper

78 100

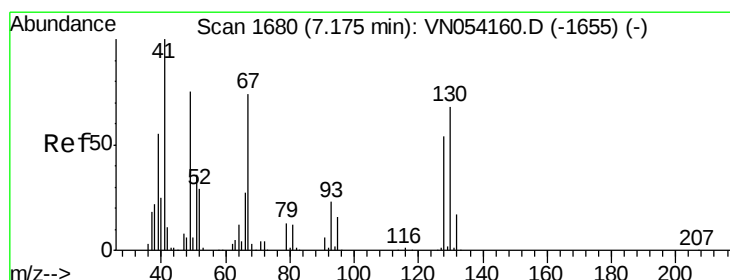
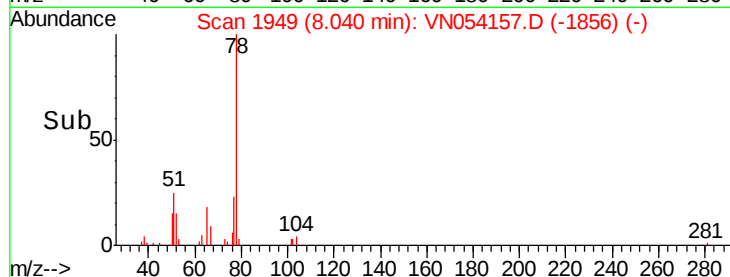
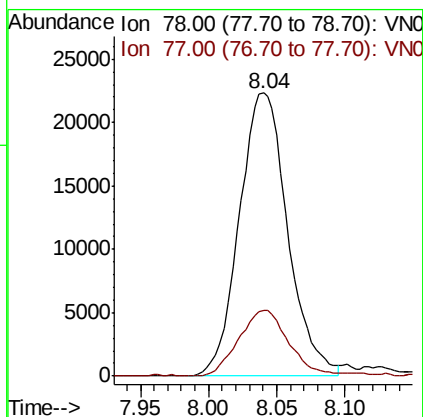
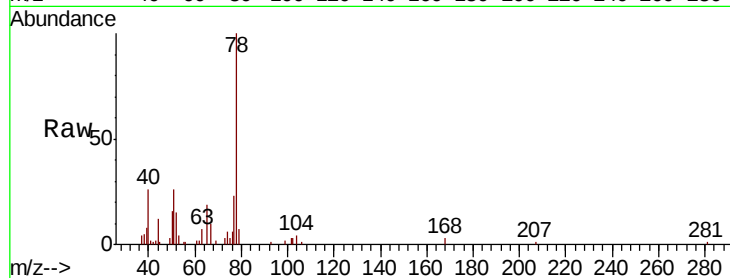
77 23.1 19.1 28.7

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#41

Methacrylonitrile

Concen: 1.108 ug/l m

RT: 7.20 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion: 41 Resp: 7513

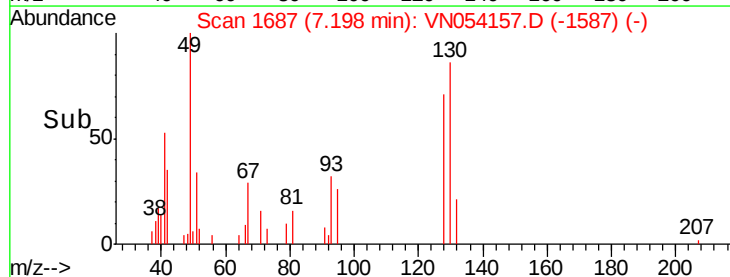
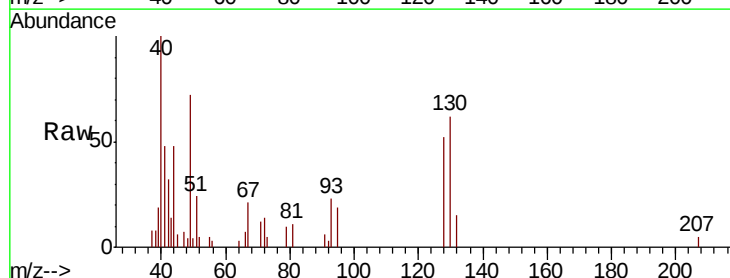
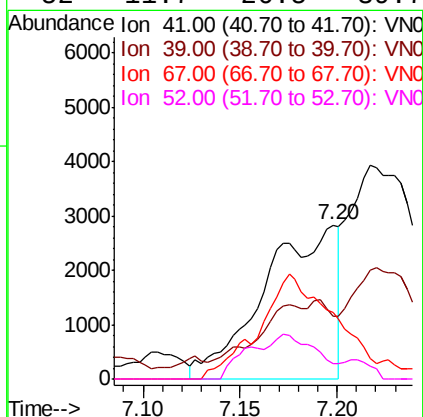
Ion Ratio Lower Upper

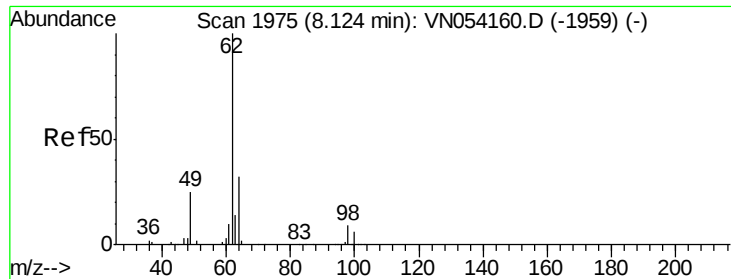
41 100

39 23.6 46.8 70.2#

67 73.5 67.0 100.4

52 11.7 26.5 39.7#





#42

1,2-Dichloroethane

Concen: 0.915 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 18992

Ion Ratio Lower Upper

62 100

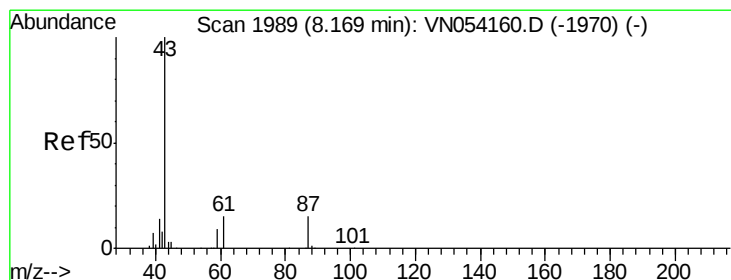
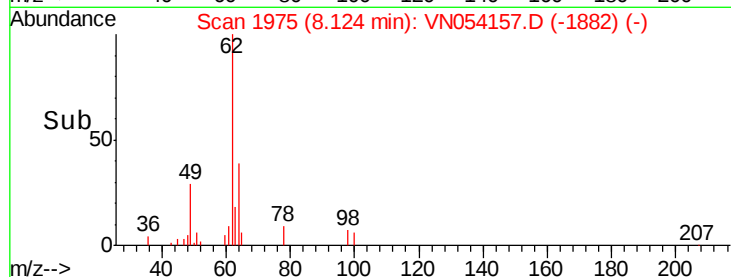
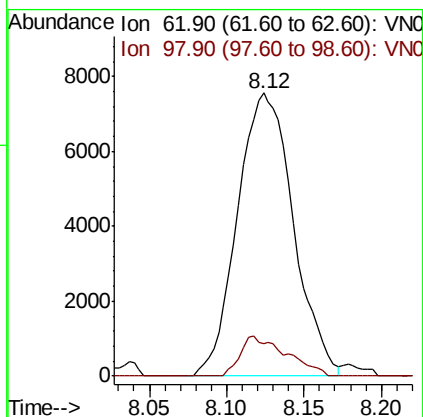
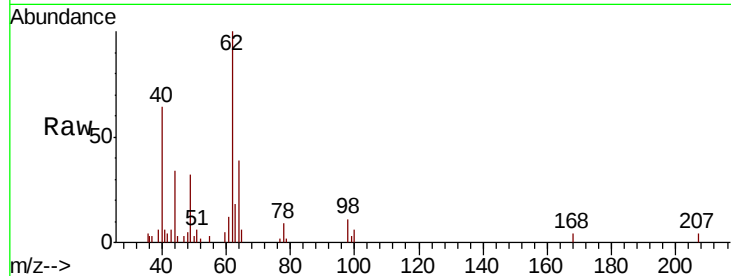
98 11.7 0.0 18.4

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#43

Isopropyl Acetate

Concen: 0.826 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

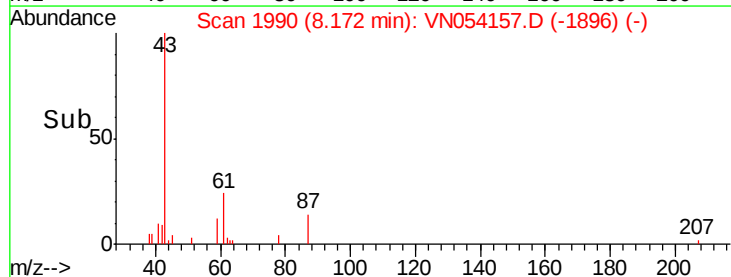
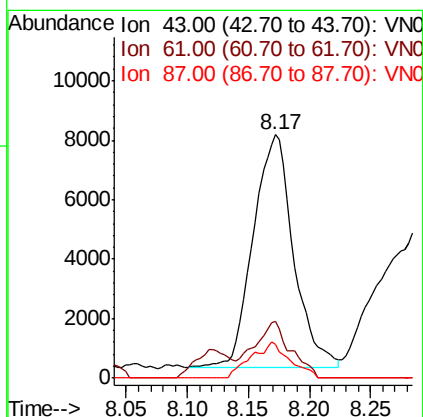
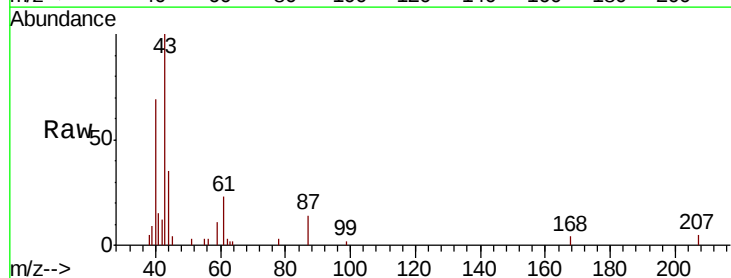
Tgt Ion: 43 Resp: 17906

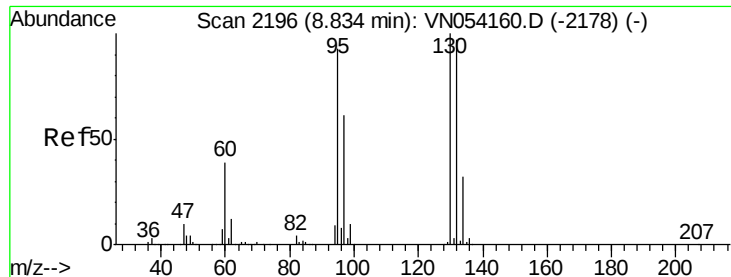
Ion Ratio Lower Upper

43 100

61 22.1 15.8 23.8

87 14.6 12.0 18.0





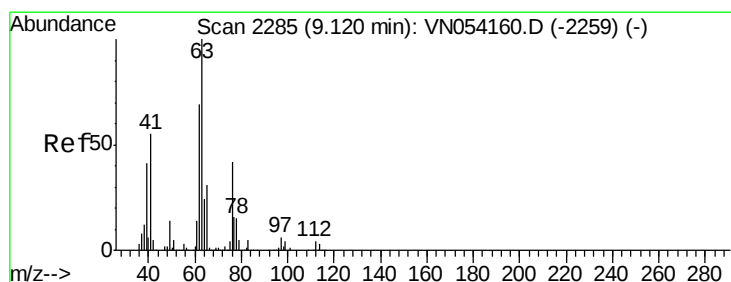
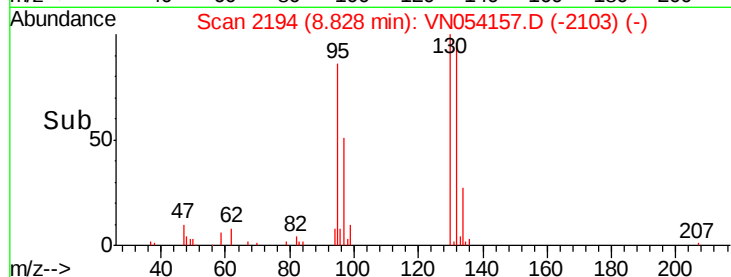
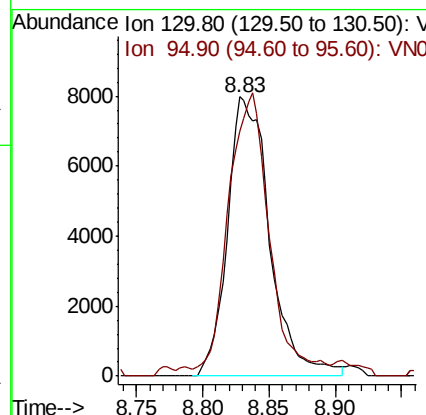
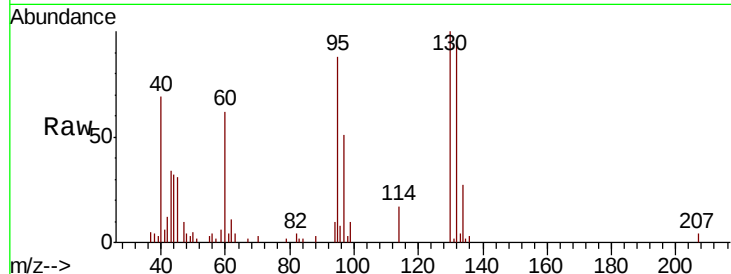
#44
 Trichloroethene
 Concen: 0.925 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 130 Resp: 17667
 Ion Ratio Lower Upper
 130 100
 95 85.2 0.0 185.2

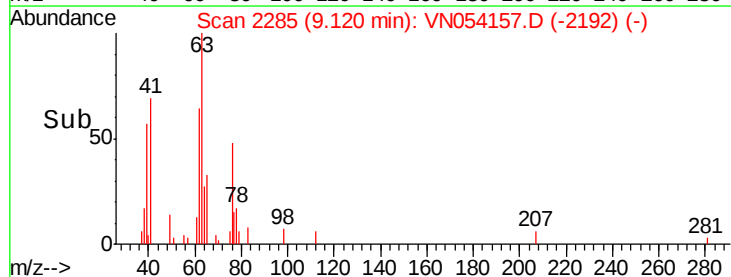
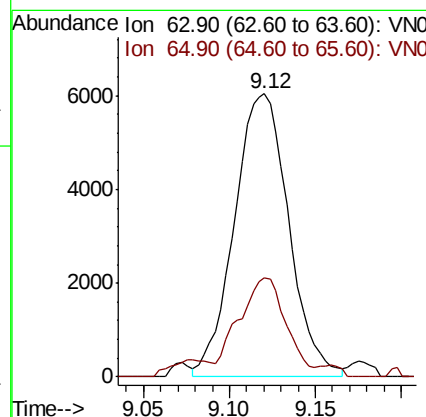
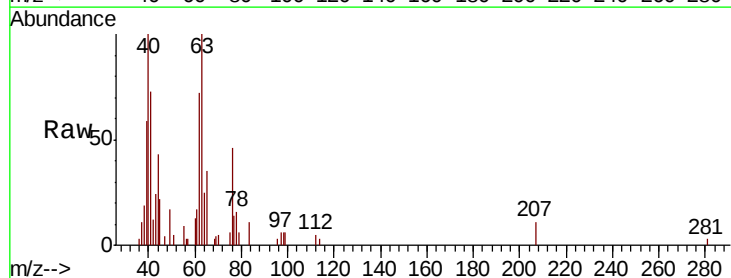
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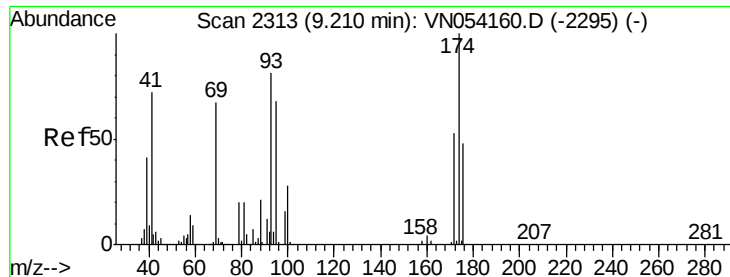
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#45
 1,2-Dichloropropane
 Concen: 0.870 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 63 Resp: 13285
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.0 37.6





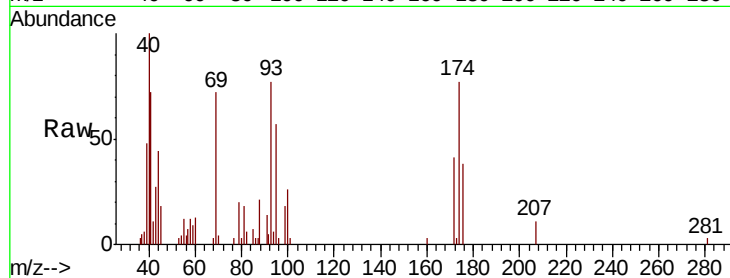
#46
Dibromomethane
Concen: 0.949 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

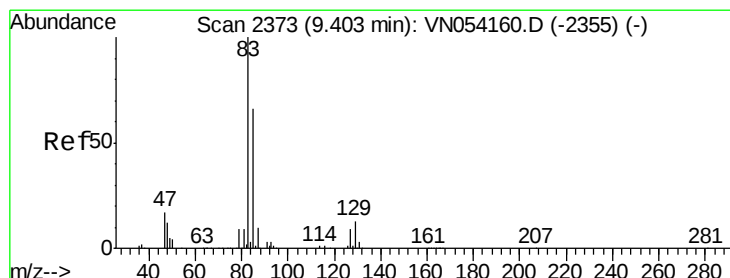
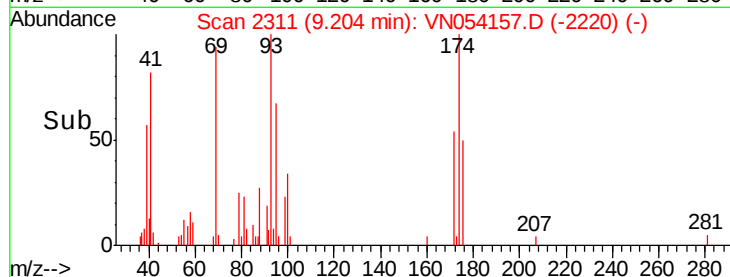
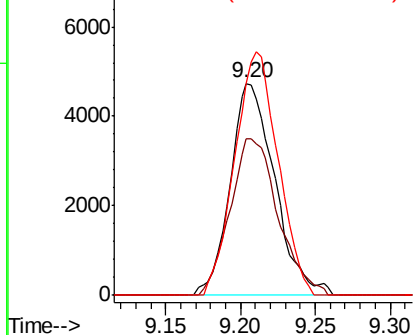
Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	66.7	100.1
174	112.2	98.5	147.7

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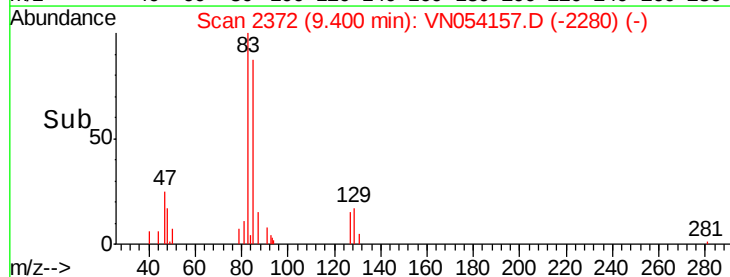
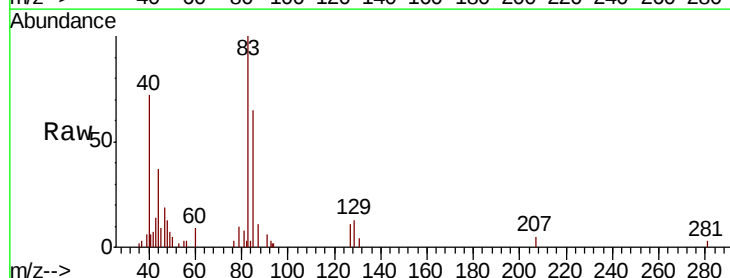
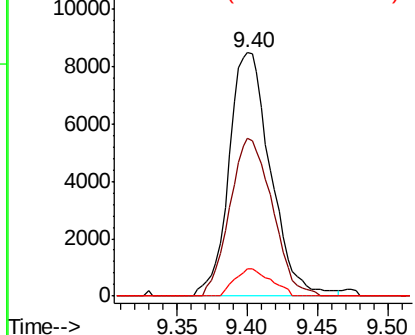
Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

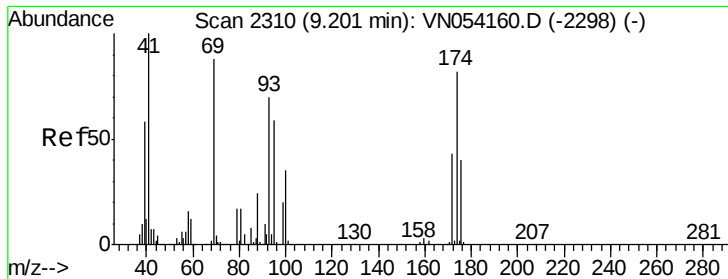


#47
Bromodichloromethane
Concen: 0.848 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.8	79.2
127	11.3	7.4	11.2#

Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





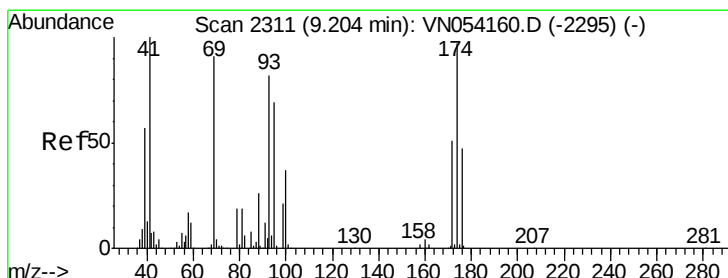
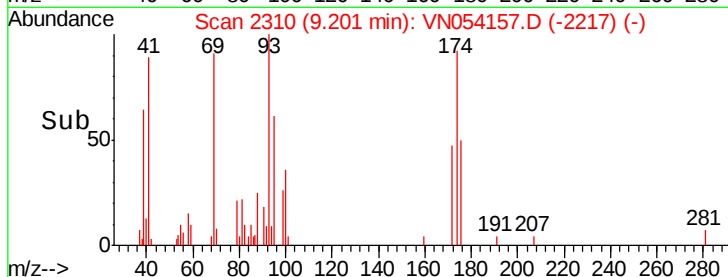
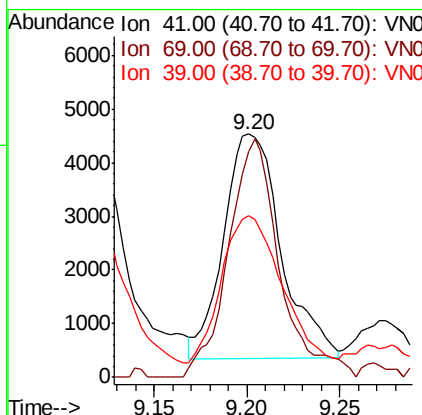
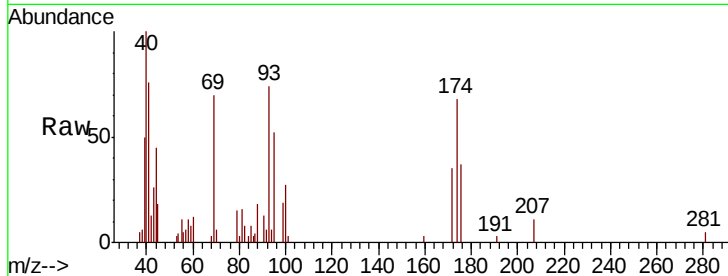
#48
Methyl methacrylate
Concen: 0.819 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
41	100		
69	94.5	72.6	108.8
39	68.3	47.5	71.3

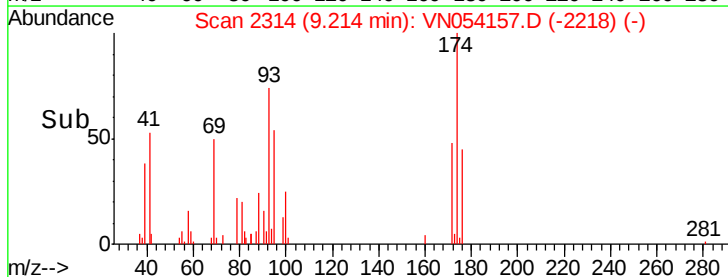
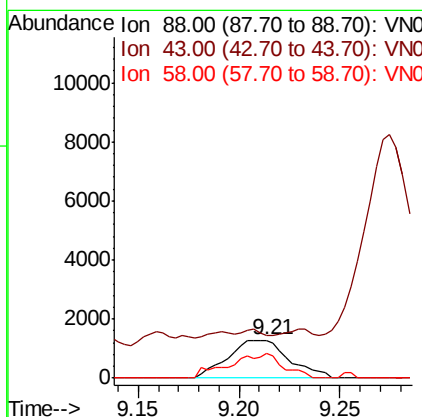
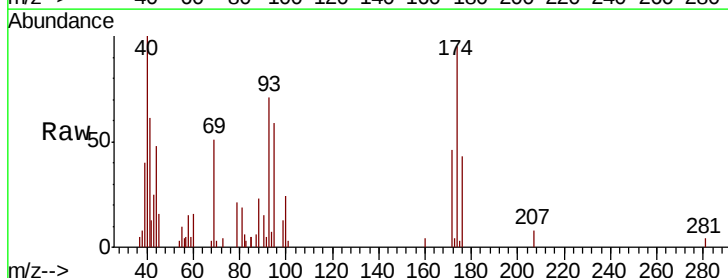
Manual Integrations
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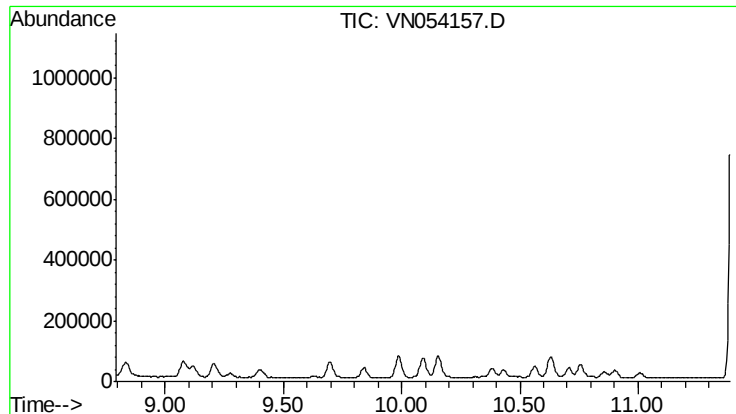
MMDadoda
3/13/2019 11:49:00 AM



#49
1,4-Dioxane
Concen: 17.424 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	24.1	36.1#
58	56.8	50.8	76.2





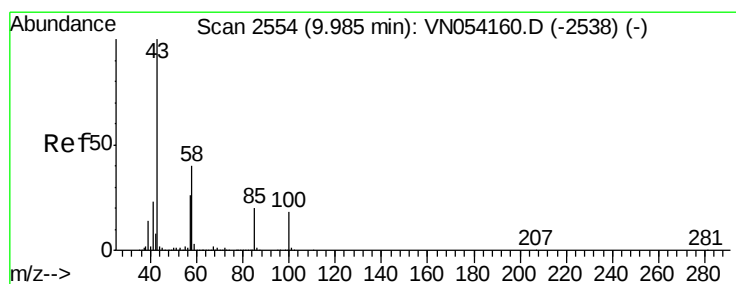
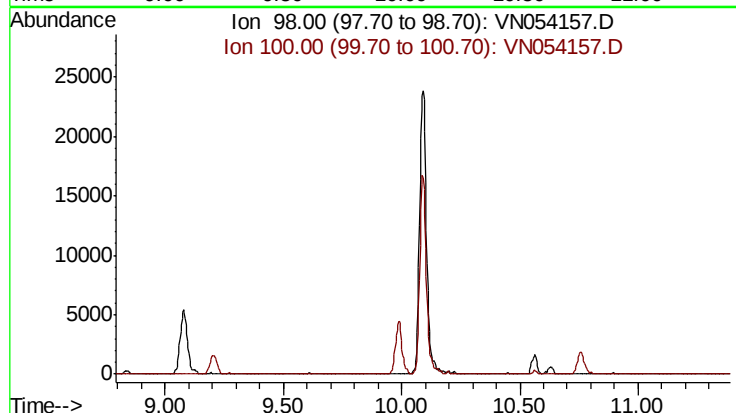
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 98
Sig Exp Ratio
98 100
100 64.0

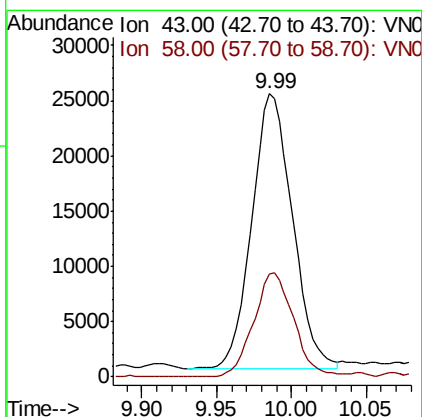
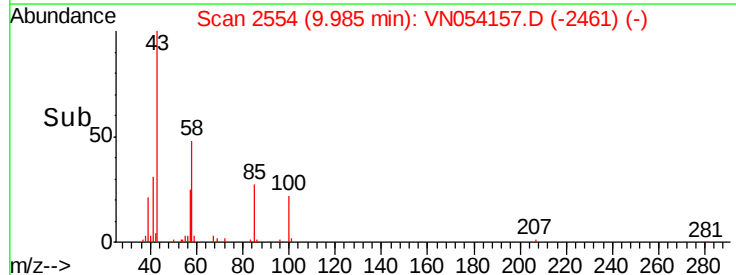
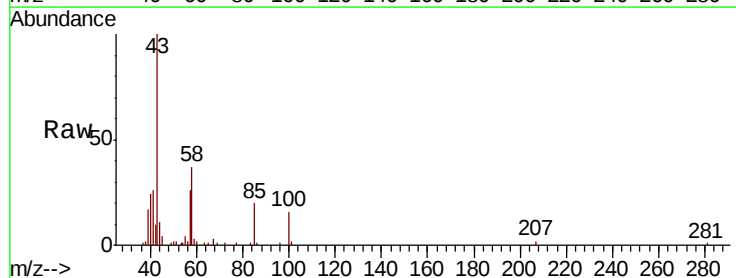
Manual Integrations
APPROVED

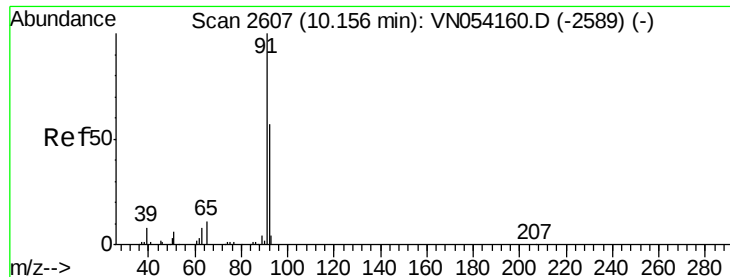
MMDadoda
3/13/2019 11:49:00 AM



#51
4-Methyl-2-Pentanone
Concen: 4.094 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 43 Resp: 46937
Ion Ratio Lower Upper
43 100
58 37.3 31.8 47.6





#52

Toluene

Concen: 0.905 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 92 Resp: 35270

Ion Ratio Lower Upper

92 100

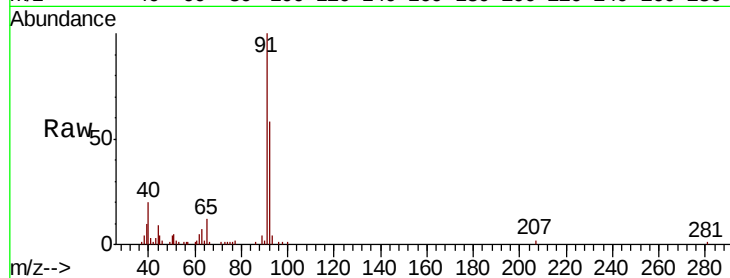
91 169.9 140.7 211.1

Manual Integrations

APPROVED

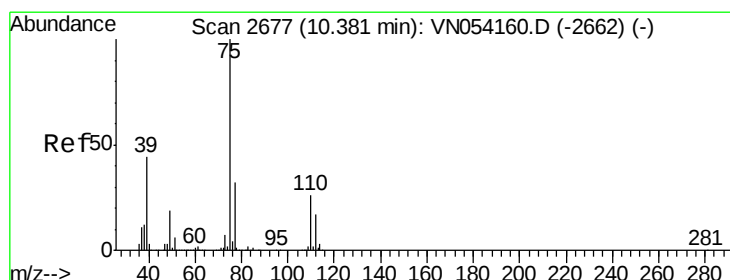
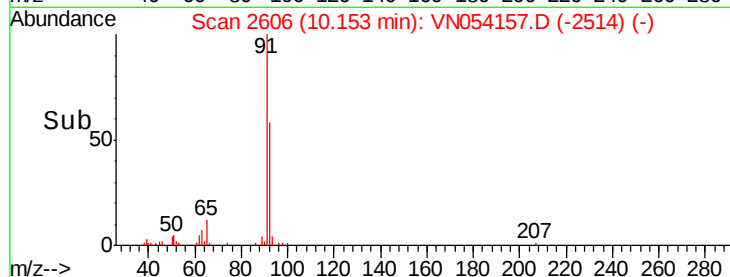
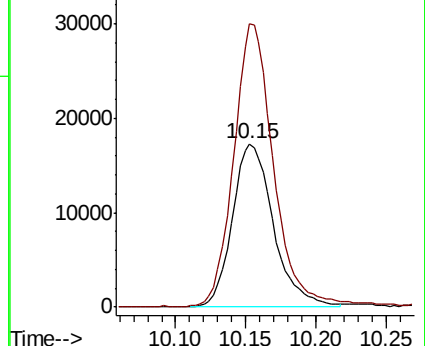
MMDadoda

3/13/2019 11:49:00 AM



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 2.633 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054157.D

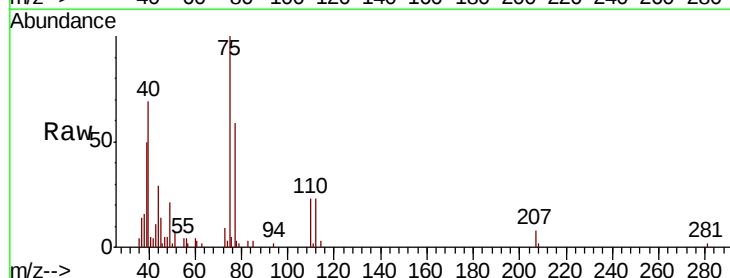
Acq: 12 Mar 2019 10:02

Tgt Ion: 75 Resp: 15939

Ion Ratio Lower Upper

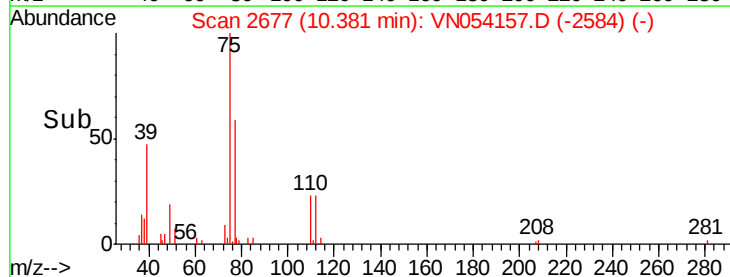
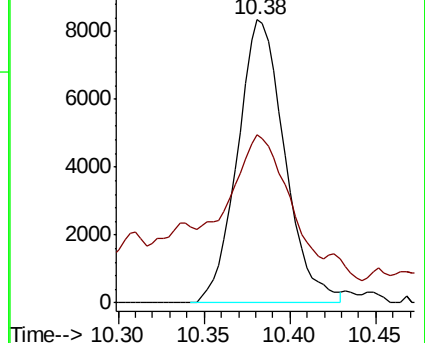
75 100

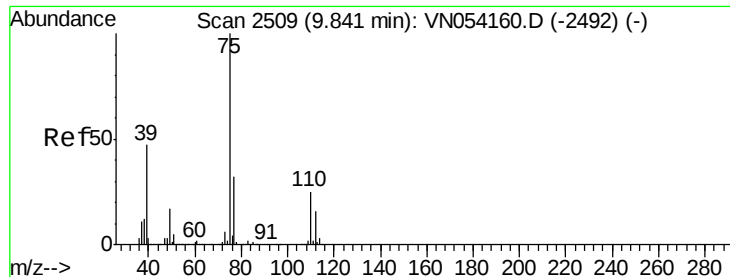
77 43.9 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.815 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

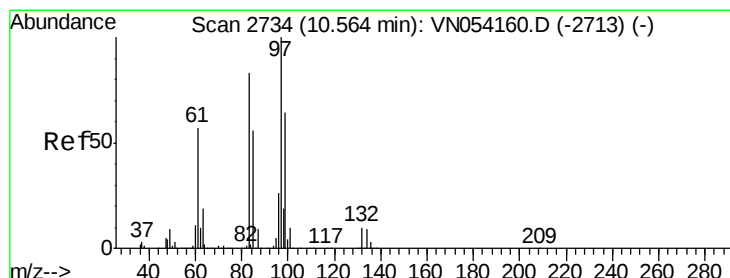
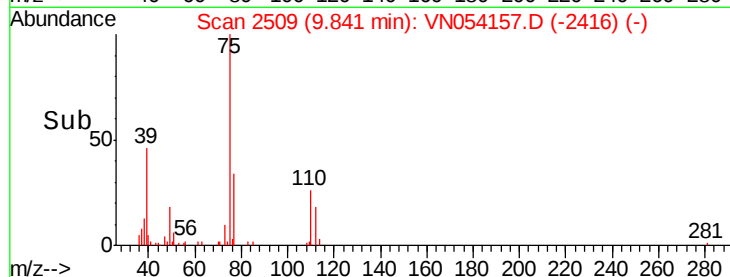
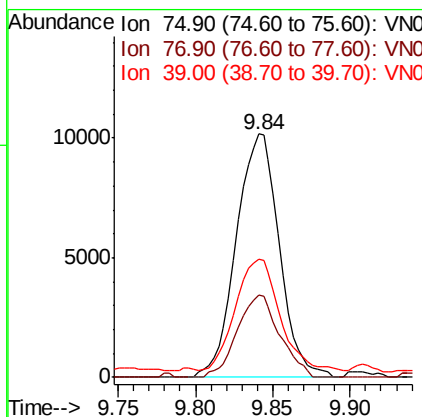
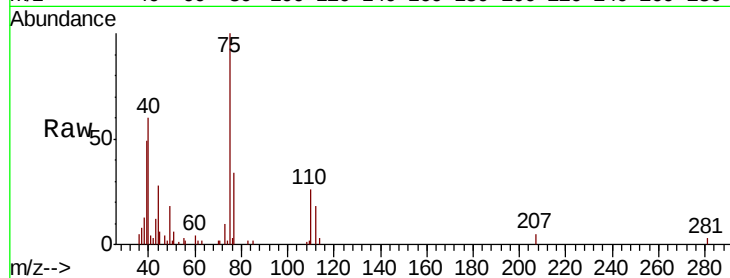
ClientSampled :

VSTDIC001

Tgt Ion:	75	Resp:	19629
Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.4	38.0
39	45.6	37.2	55.8

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.911 ug/l

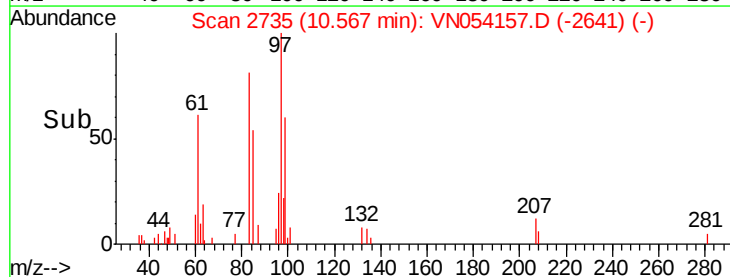
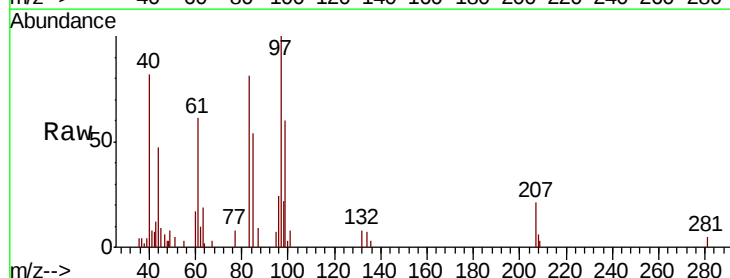
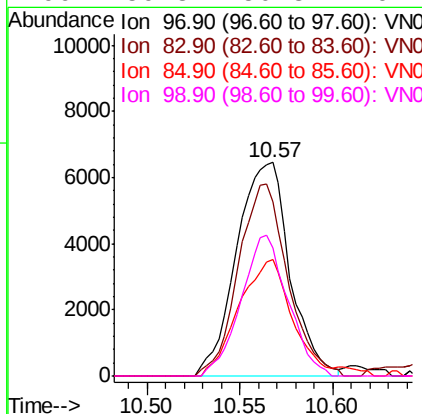
RT: 10.57 min Scan# 2735

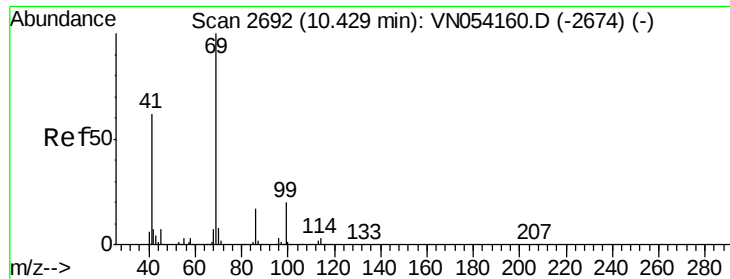
Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion:	97	Resp:	12959
Ion	Ratio	Lower	Upper
97	100		
83	81.3	66.6	100.0
85	54.3	44.4	66.6
99	59.8	50.8	76.2





#56

Ethyl methacrylate

Concen: 0.801 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

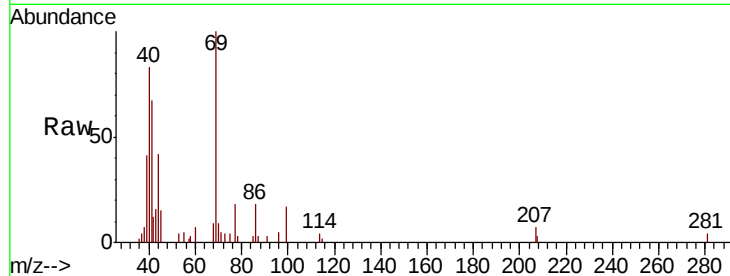
ClientSampleId :

VSTDIC001

Tgt Ion:	69	Resp:	13599
Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.2
39	37.5	28.3	42.5

Manual Integrations
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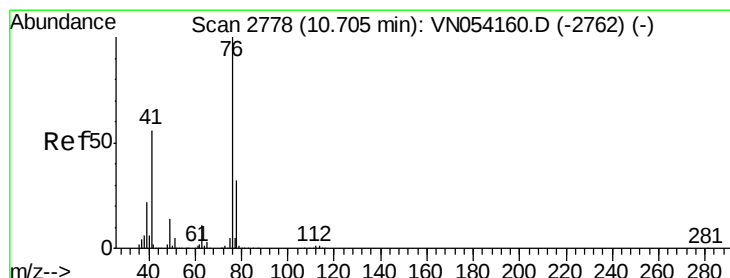
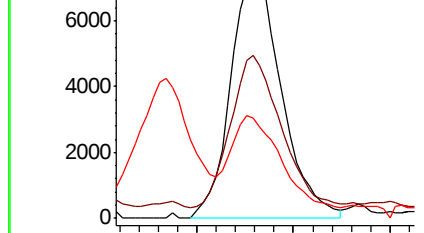
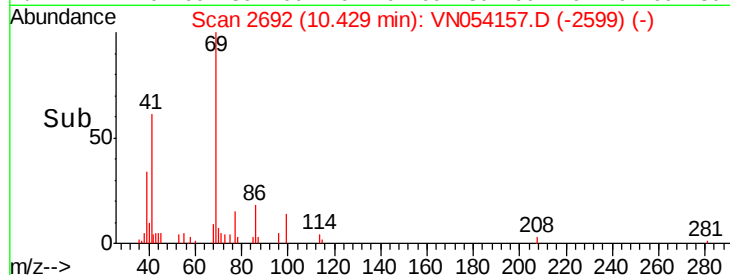


Abundance Ion 69.00 (68.70 to 69.70): VN054160.D (-2674) (-)

Ion 41.00 (40.70 to 41.70): VN054160.D (-2674) (-)

Ion 39.00 (38.70 to 39.70): VN054160.D (-2674) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.877 ug/l

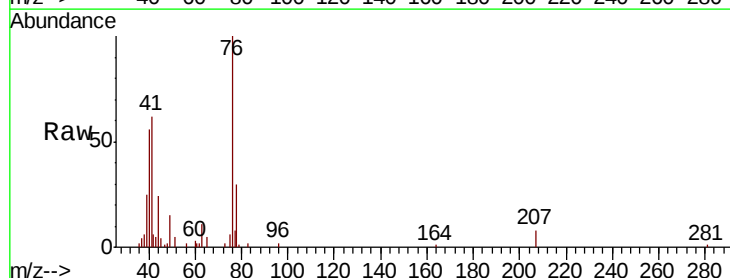
RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

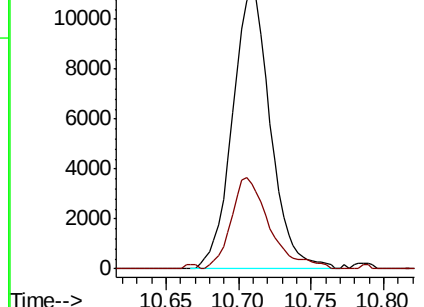
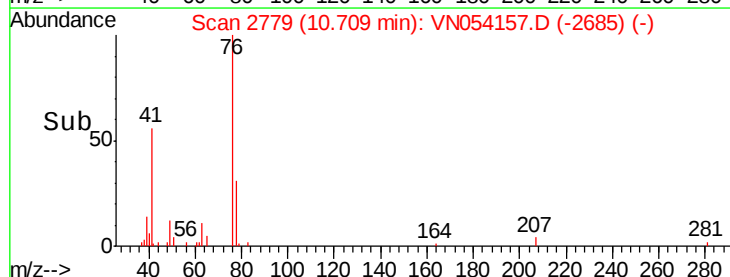
Tgt Ion:	76	Resp:	20414
Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.7	38.5

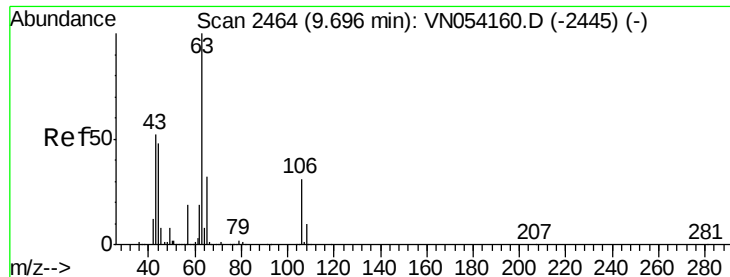


Abundance Ion 75.90 (75.60 to 76.60): VN054160.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN054160.D (-2762) (-)

Time-->





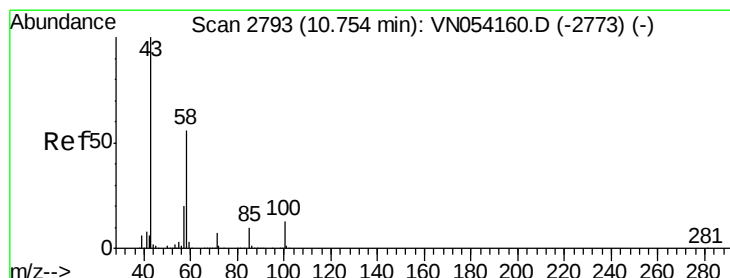
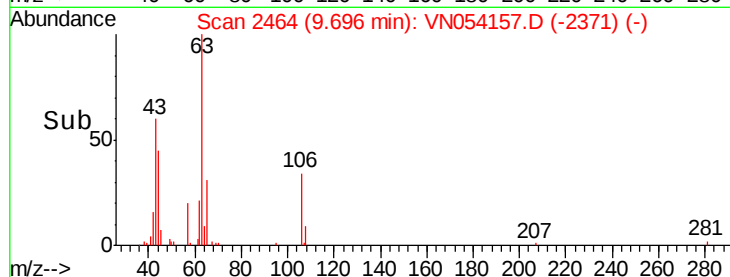
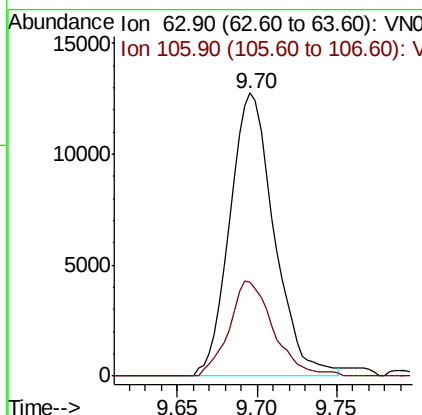
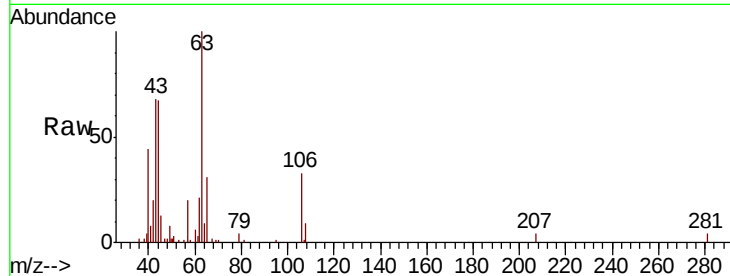
#58
 2-Chloroethyl Vinyl ether
 Concen: 19.892 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion: 63 Resp: 24184
 Ion Ratio Lower Upper
 63 100
 106 33.6 24.4 36.6

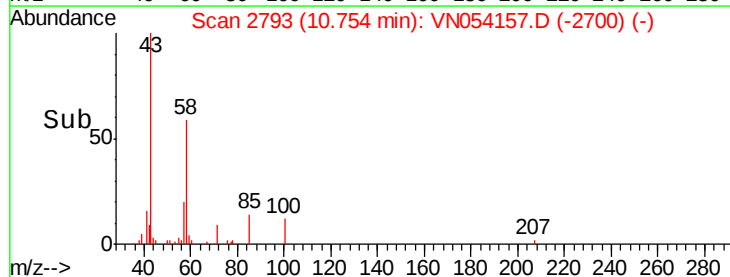
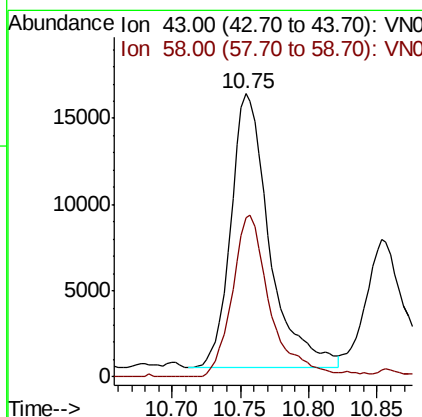
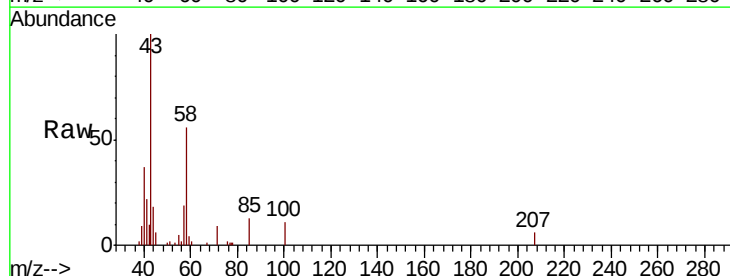
Manual Integrations
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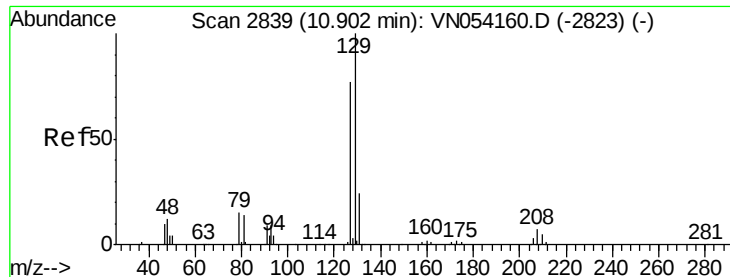
MMDadoda
 3/13/2019 11:49:00 AM



#59
 2-Hexanone
 Concen: 4.089 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion: 43 Resp: 31195
 Ion Ratio Lower Upper
 43 100
 58 57.5 28.0 83.9





#60

Dibromochloromethane

Concen: 0.783 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 12547

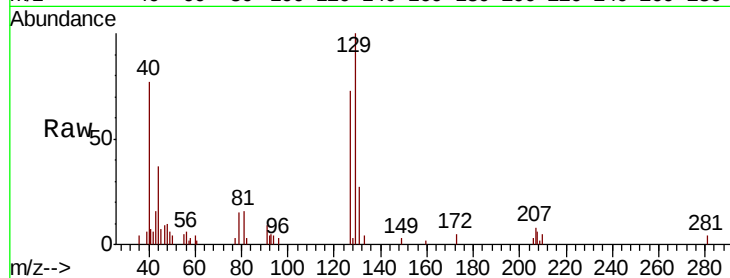
Ion Ratio Lower Upper

129 100

127 76.6 38.6 115.8

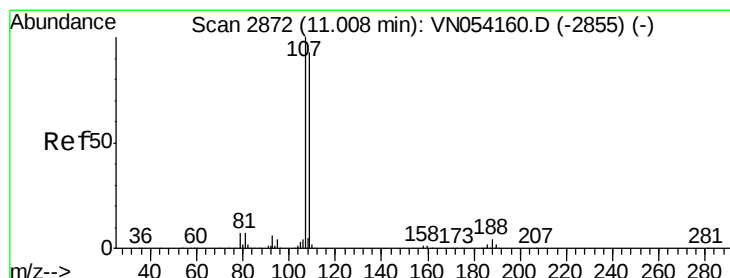
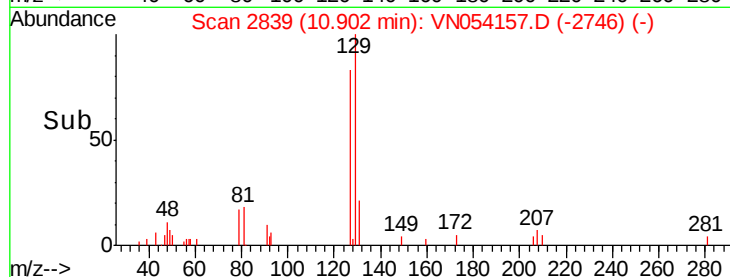
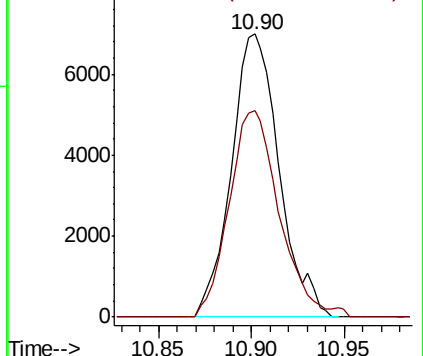
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.838 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054157.D

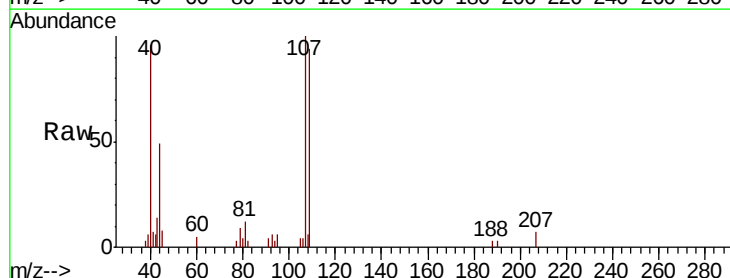
Acq: 12 Mar 2019 10:02

Tgt Ion:107 Resp: 12124

Ion Ratio Lower Upper

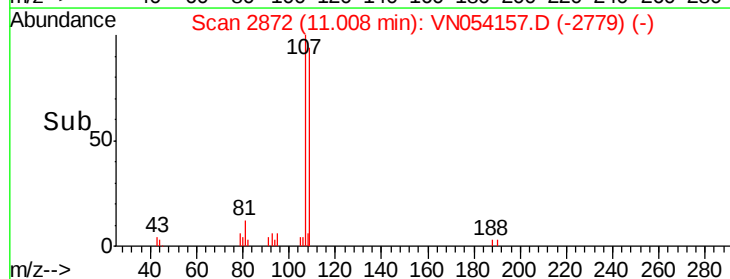
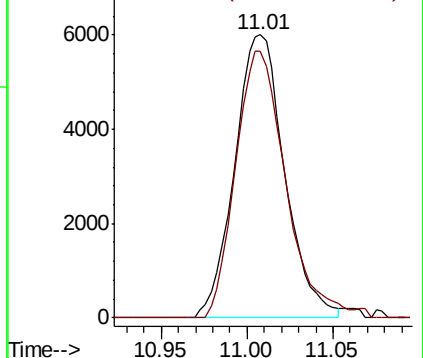
107 100

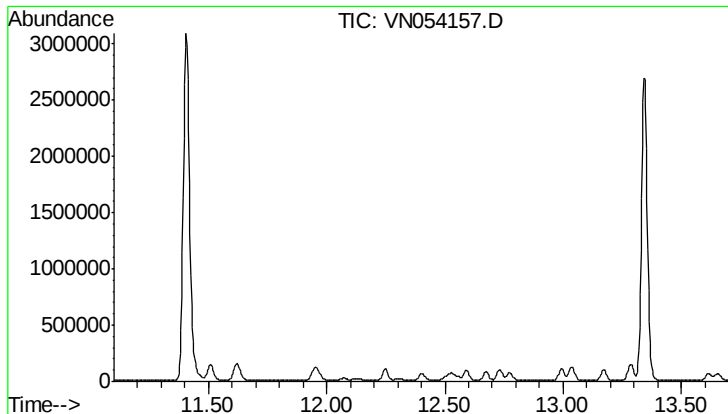
109 95.3 75.9 113.9



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: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion: 95

Sig Exp Ratio

95 100

174 95.5

176 93.7

Instrument :

MSVOA_N

ClientSampleId :

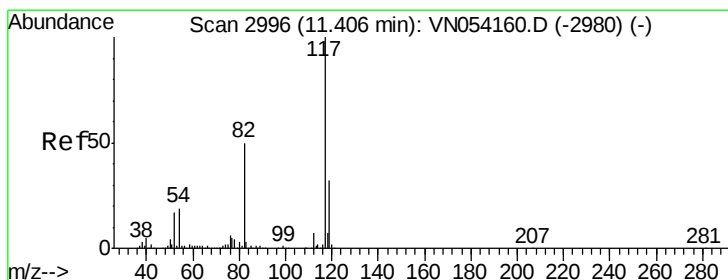
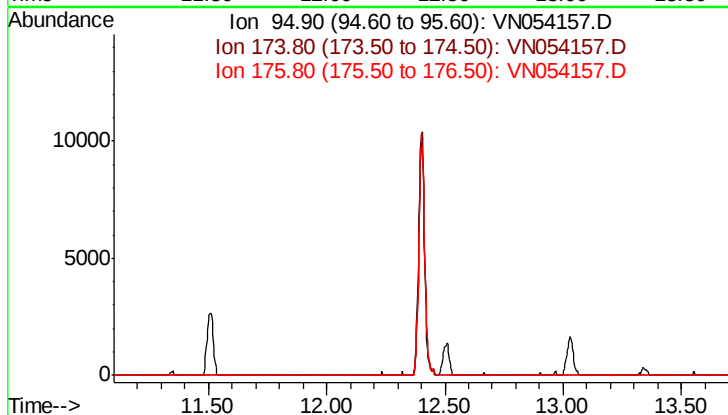
VSTDIC001

Manual Integrations

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3/13/2019 11:49:00 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

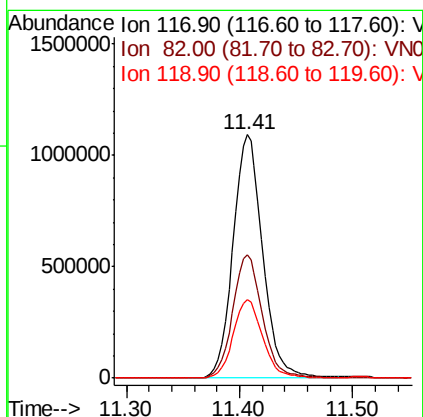
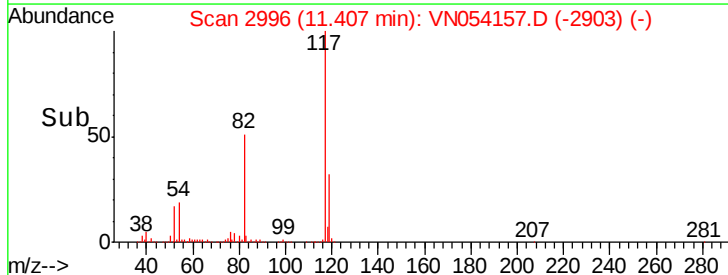
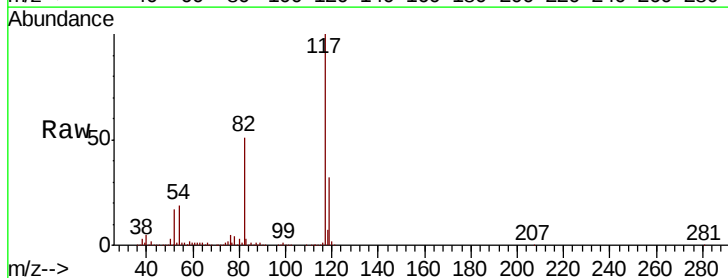
Tgt Ion: 117 Resp: 1993432

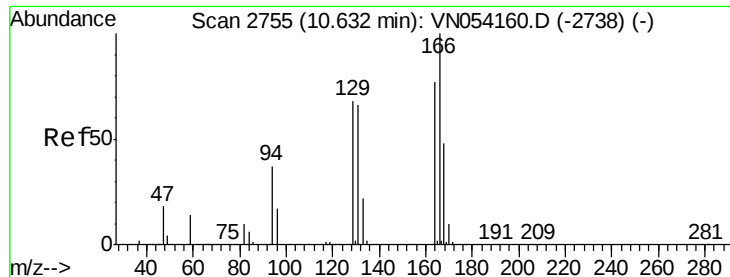
Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

119 32.2 25.8 38.6





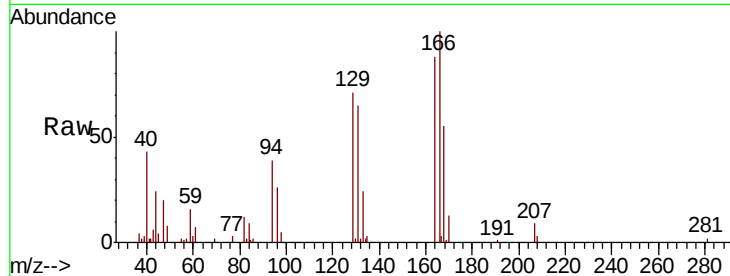
#64
Tetrachloroethene
Concen: 1.013 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.5	103.9	155.9
129	81.1	71.1	106.7
131	73.7	68.2	102.4

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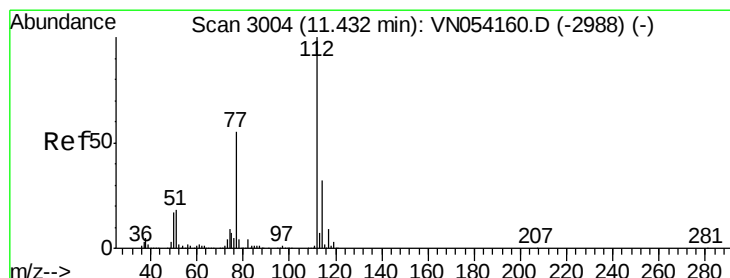
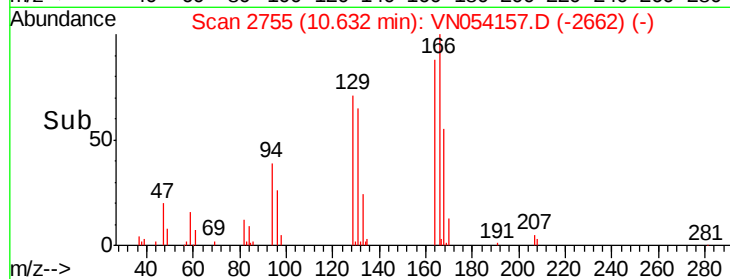
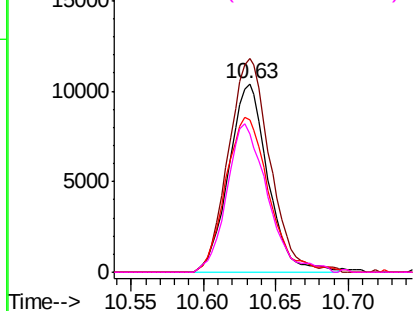
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

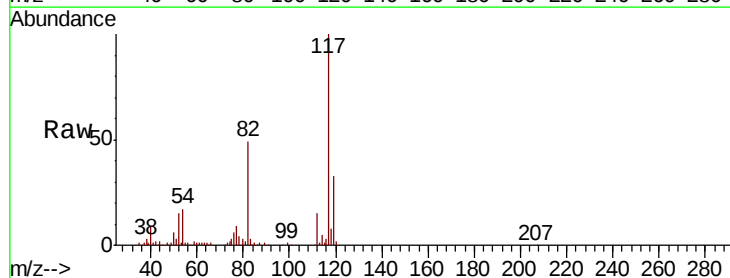
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 0.933 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

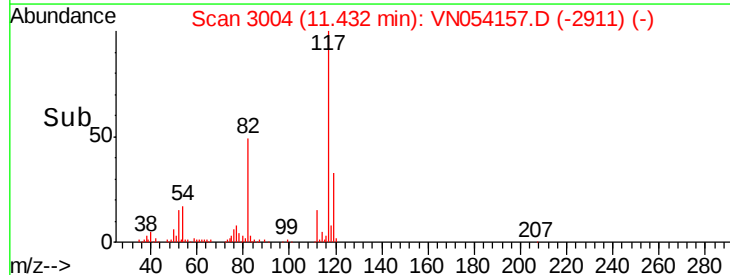
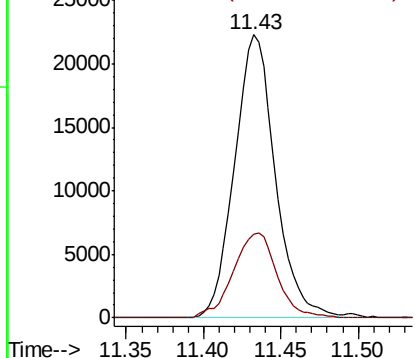
Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.7	25.9	38.9

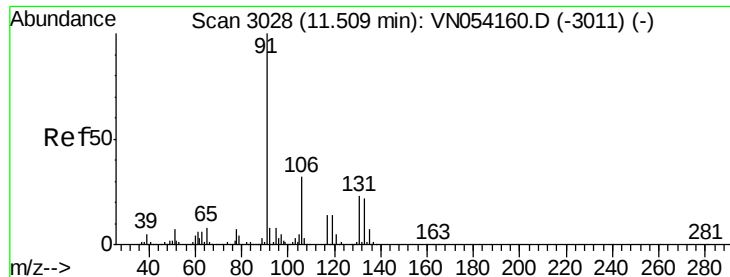


Abundance

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: 0.828 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

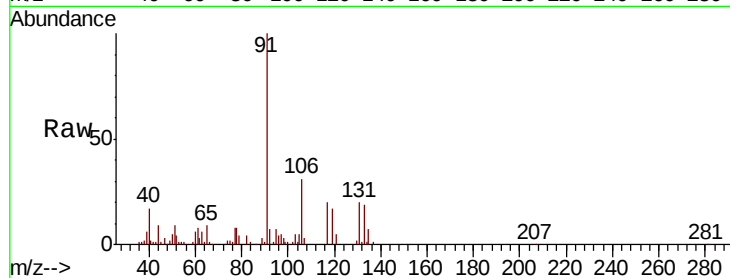
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	13161		
133	99.5	47.6	142.9	
119	0.0	32.4	97.0	

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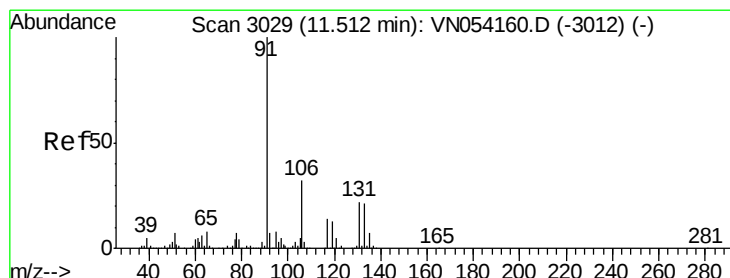
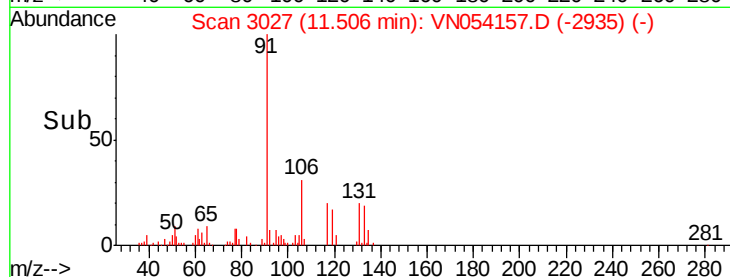
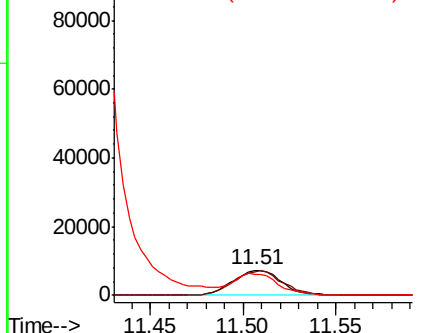
MMDadoda
3/13/2019 11:49:00 AM



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: 0.935 ug/l

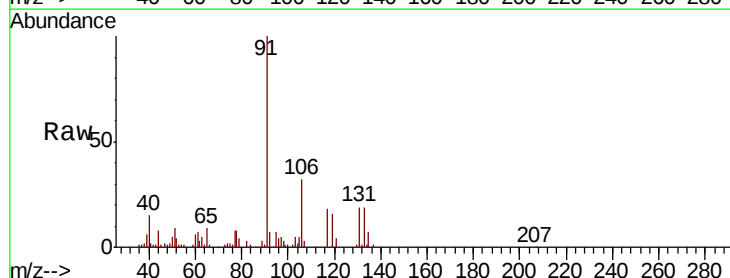
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054157.D

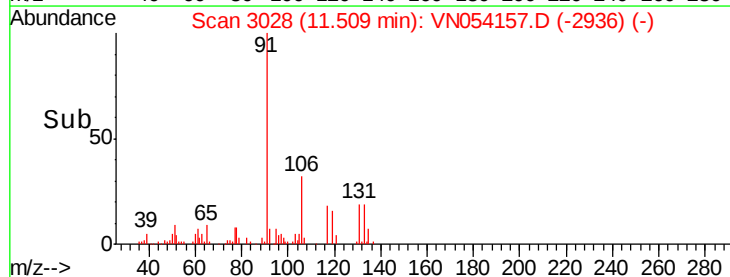
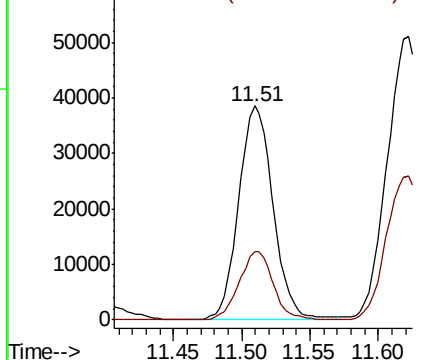
Acq: 12 Mar 2019 10:02

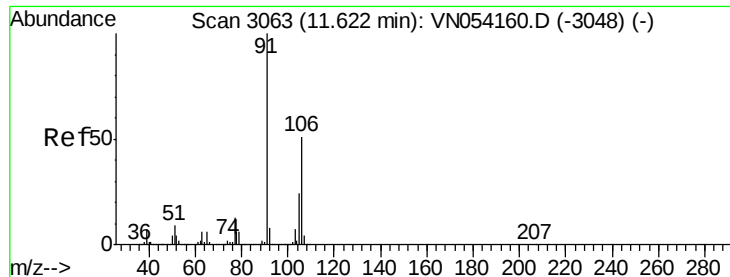
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	67868		
106	32.3	25.5	38.3	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





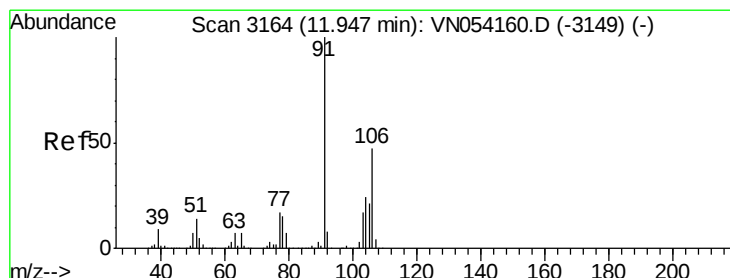
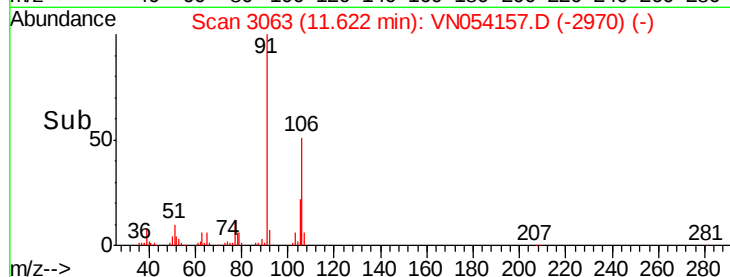
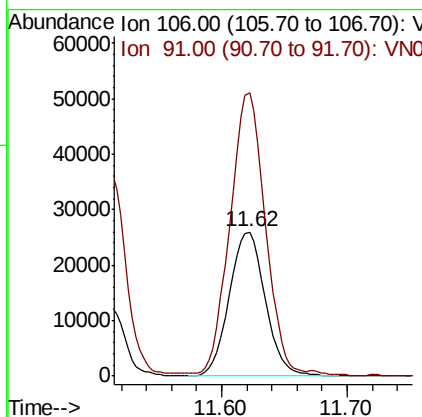
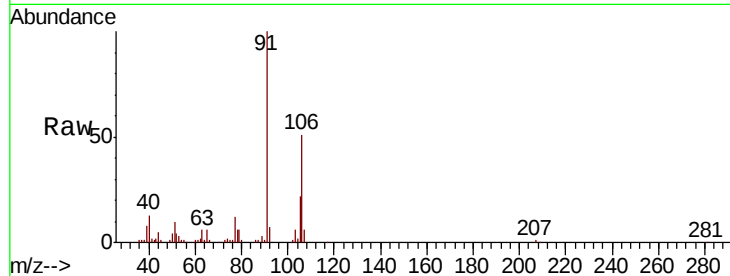
#68
m/p-Xylenes
Concen: 1.831 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:106 Resp: 51917
Ion Ratio Lower Upper
106 100
91 194.7 159.4 239.2

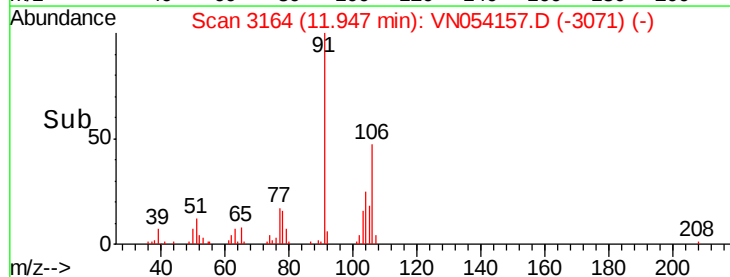
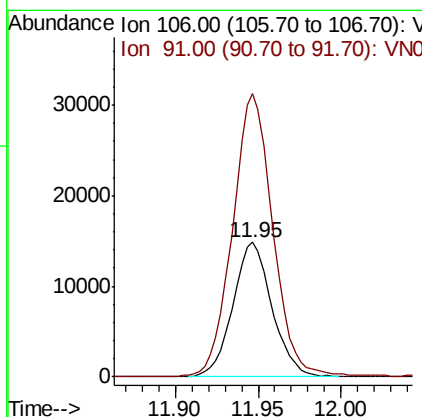
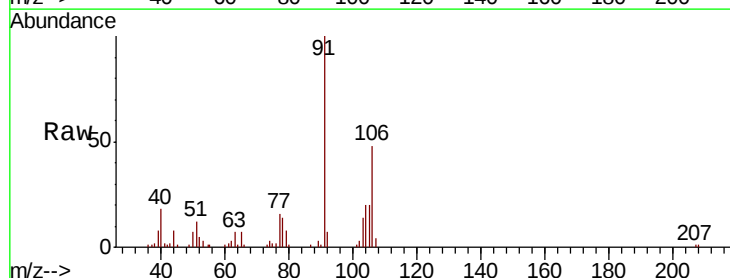
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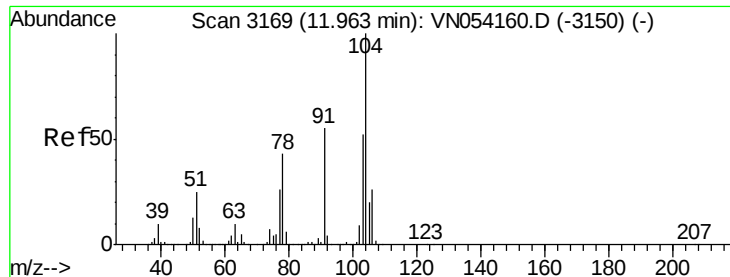
MMDadoda
3/13/2019 11:49:00 AM



#69
o-Xylene
Concen: 0.877 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion:106 Resp: 24240
Ion Ratio Lower Upper
106 100
91 217.5 105.7 317.1





#70

Styrene

Concen: 0.853 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

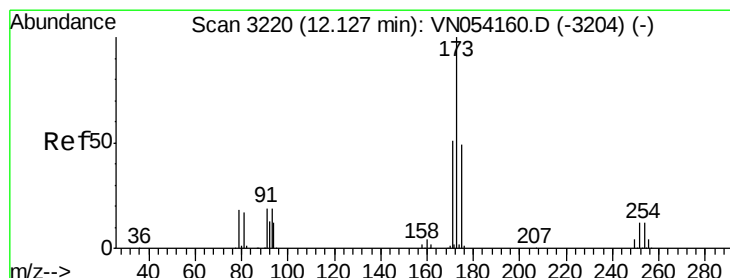
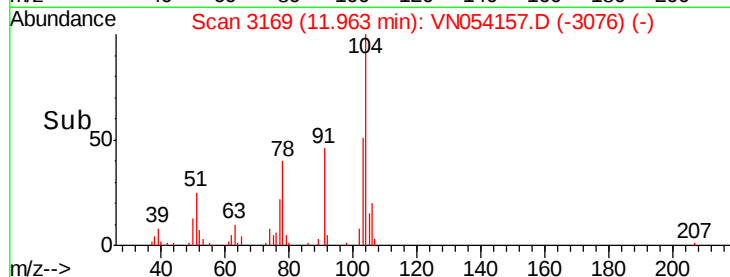
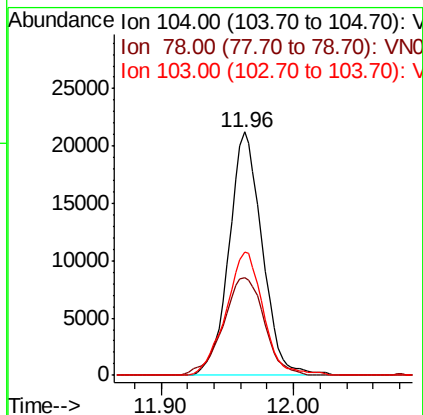
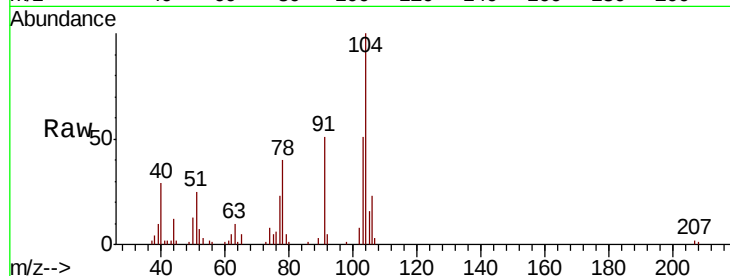
ClientSampleId :

VSTDIC001

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.5	38.2	57.2
103	56.7	44.4	66.6

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#71

Bromoform

Concen: 2.921 ug/l

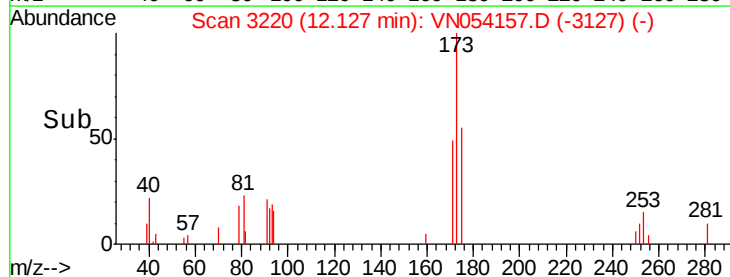
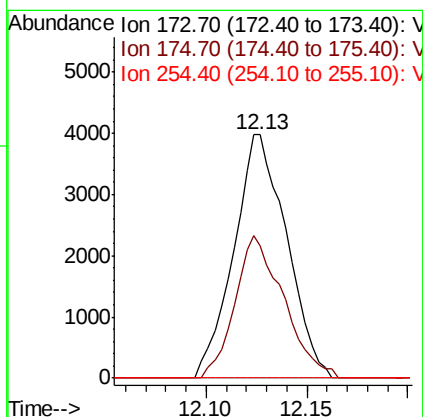
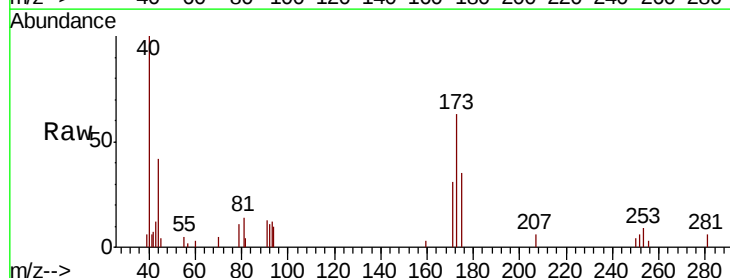
RT: 12.13 min Scan# 3220

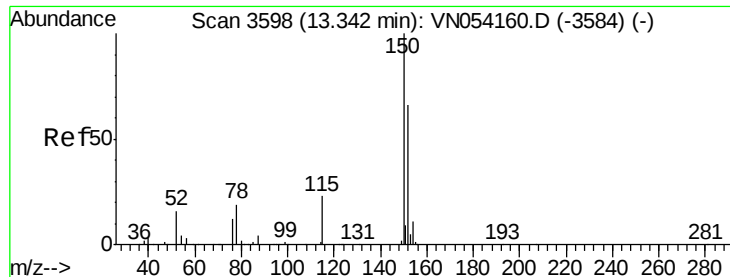
Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	54.1	24.4	73.2
254	0.0	0.1	0.1#





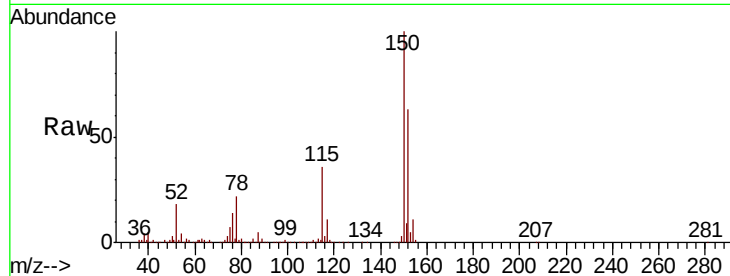
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	790871		
115	54.8	27.2	81.6	
150	155.7	0.0	349.2	

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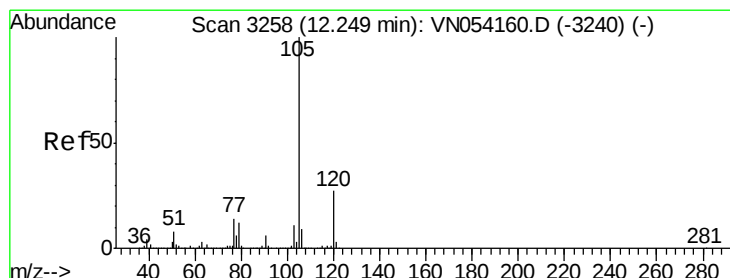
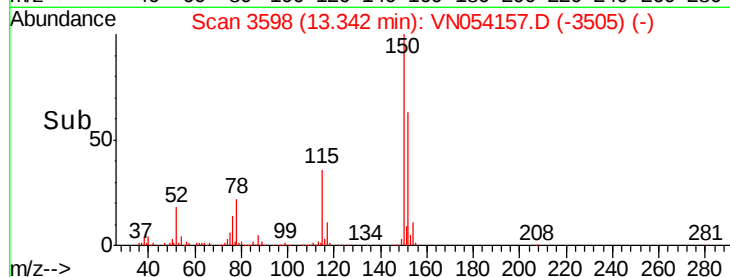
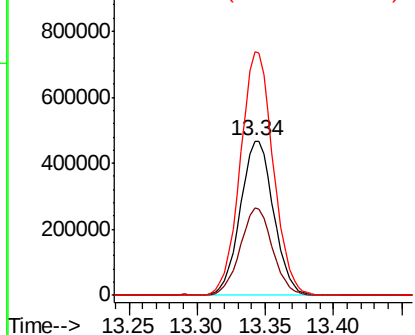


Abundance

Ion 151.90 (151.60 to 152.60): V

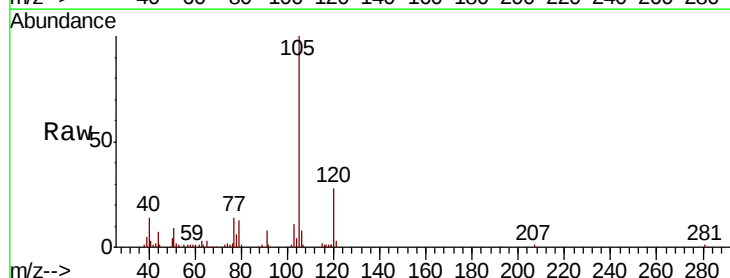
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 1.034 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

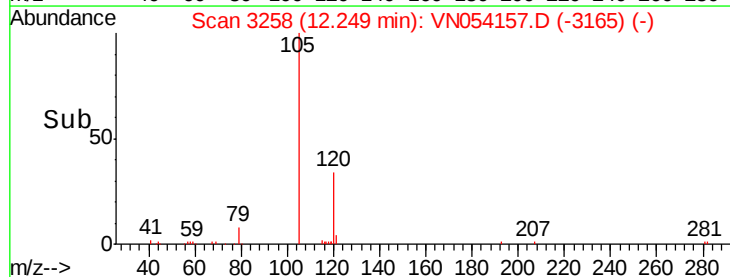
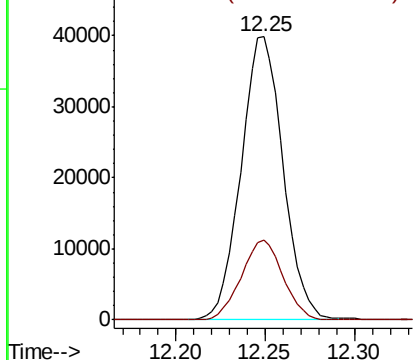
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	65423		
120	27.9	13.8	41.3	

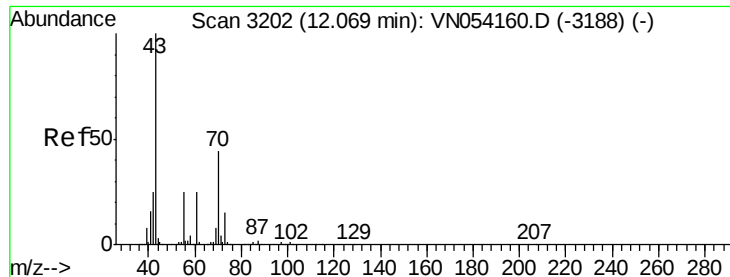


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





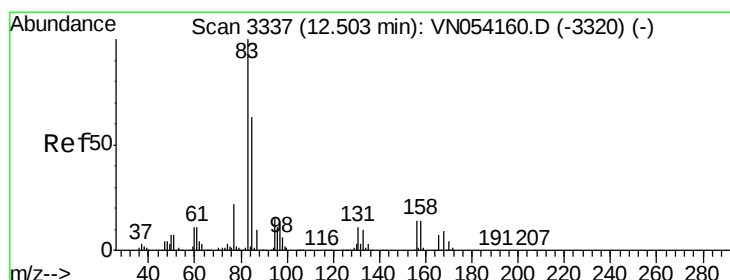
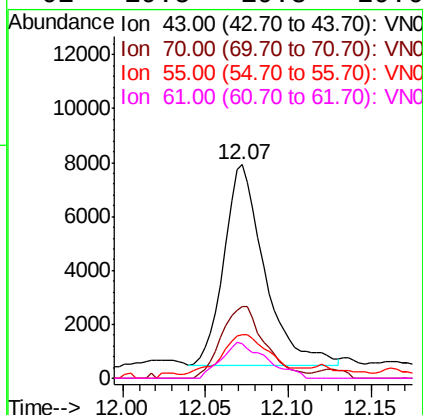
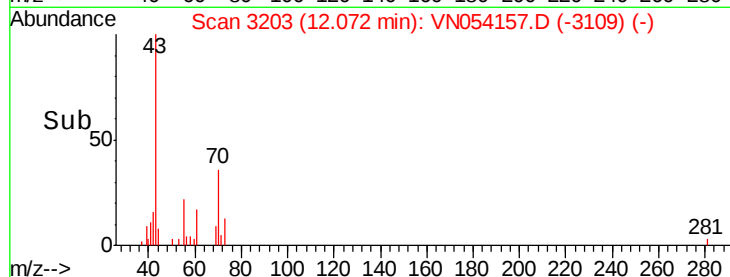
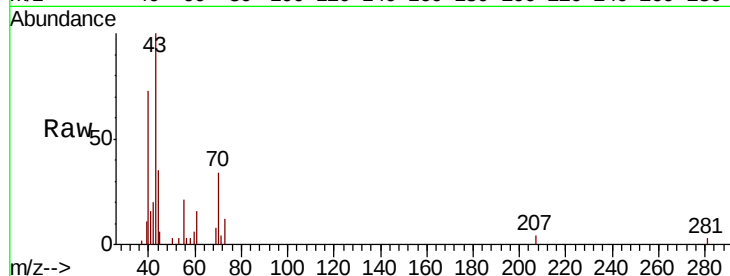
#74
N-ethyl acetate
Concen: 0.900 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	35.4	53.0
55	25.1	19.8	29.6
61	19.5	19.8	29.6

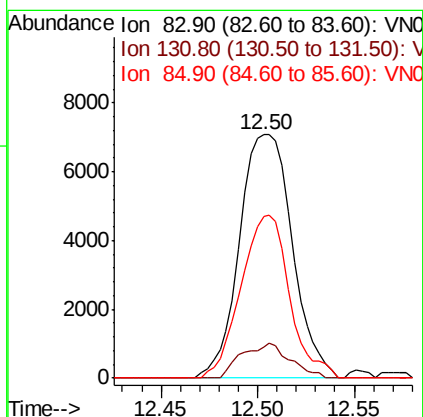
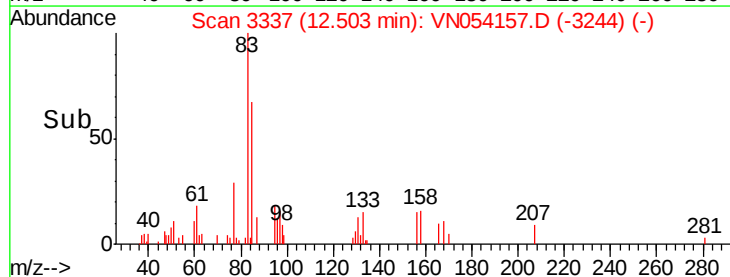
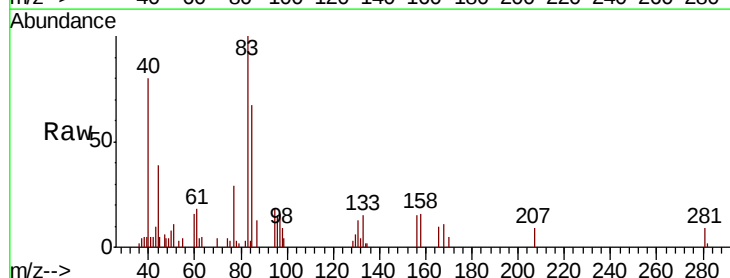
Manual Integrations
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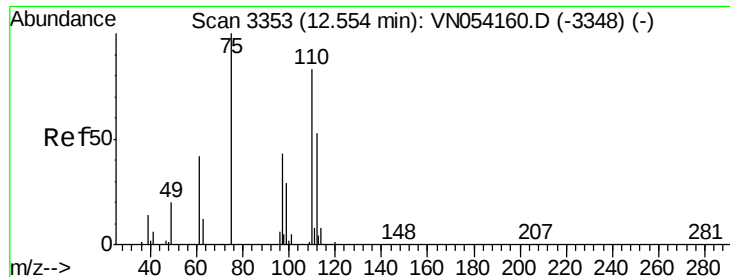
MMDadoda
3/13/2019 11:49:00 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 0.996 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	13.2	5.8	17.4
85	61.4	32.2	96.6





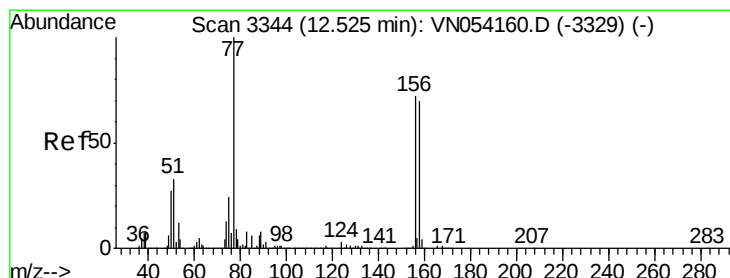
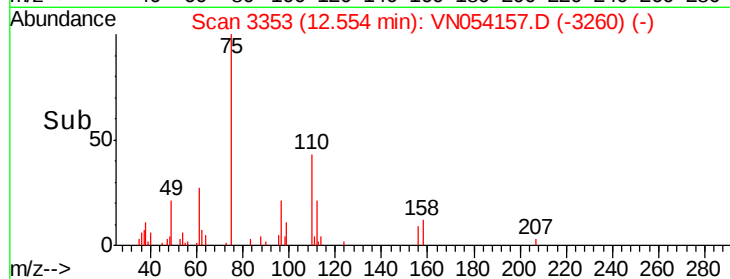
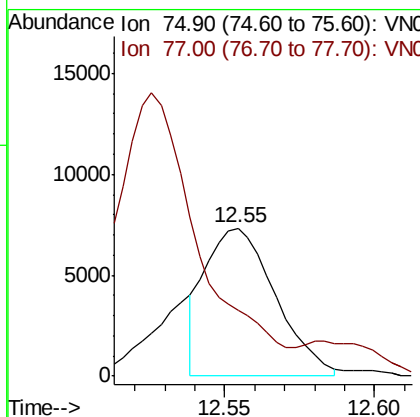
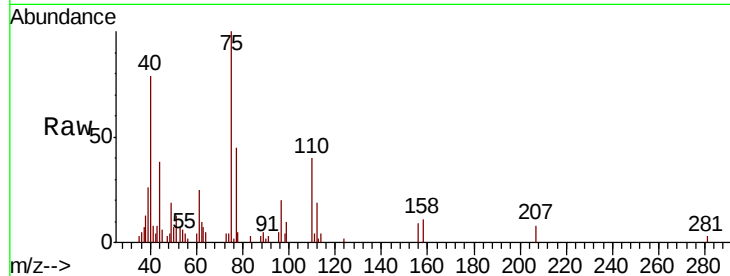
#76
1,2,3-Trichloropropane
Concen: 1.014 ug/l m
RT: 12.55 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 75 Resp: 11944
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

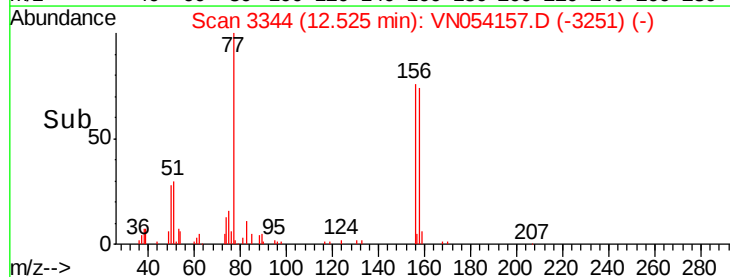
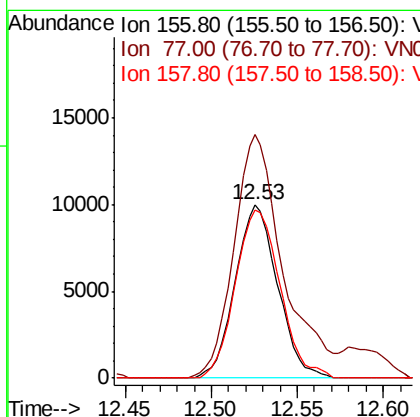
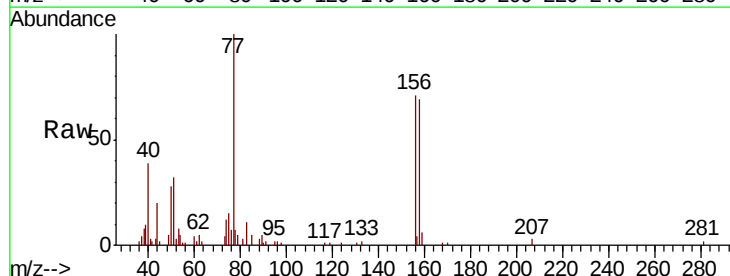
Manual Integrations
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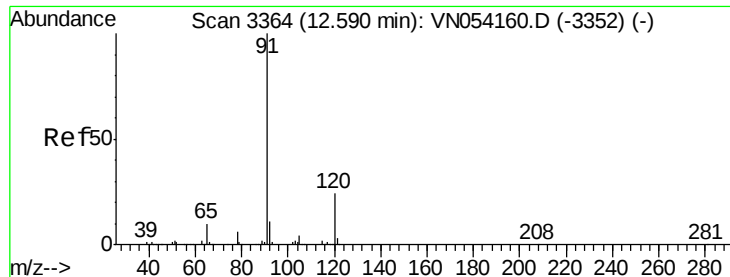
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#77
Bromobenzene
Concen: 1.027 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 156 Resp: 17201
Ion Ratio Lower Upper
156 100
77 161.7 81.5 244.4
158 101.9 49.0 147.2





#78

n-propylbenzene

Concen: 0.989 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 91 Resp: 67898

Ion Ratio Lower Upper

91 100

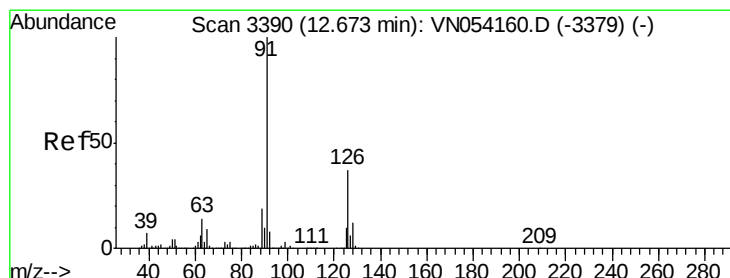
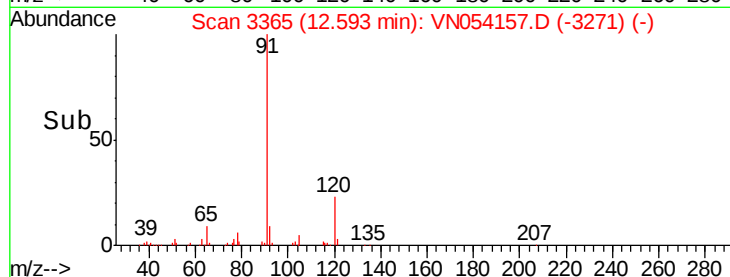
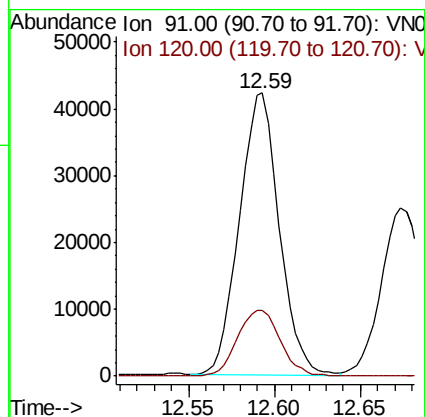
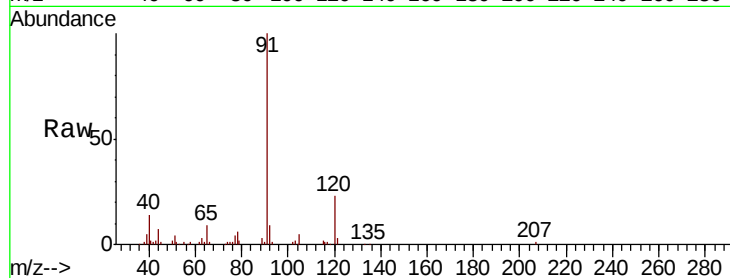
120 25.1 12.3 36.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.023 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054157.D

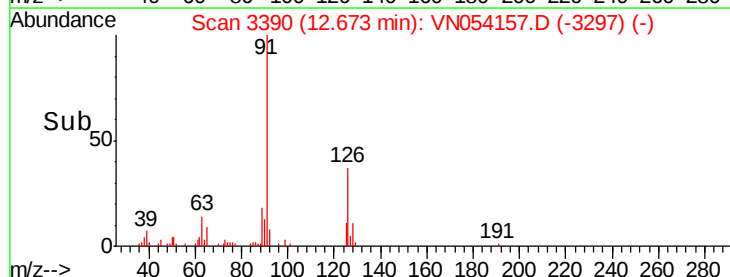
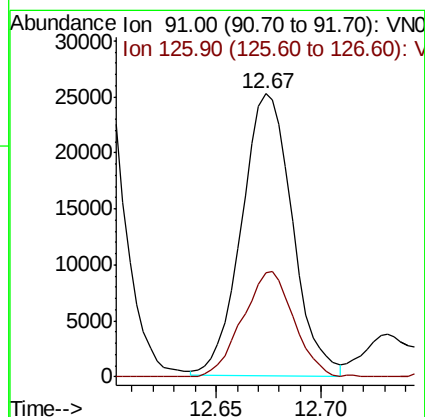
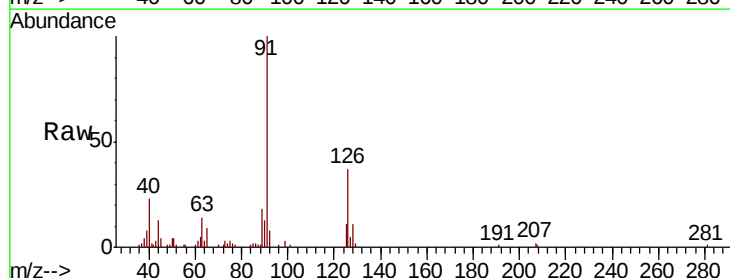
Acq: 12 Mar 2019 10:02

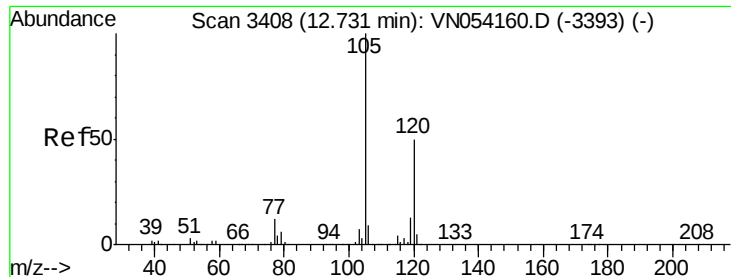
Tgt Ion: 91 Resp: 42216

Ion Ratio Lower Upper

91 100

126 37.4 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 1.017 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion: 105 Resp: 53549

Ion Ratio Lower Upper

105 100

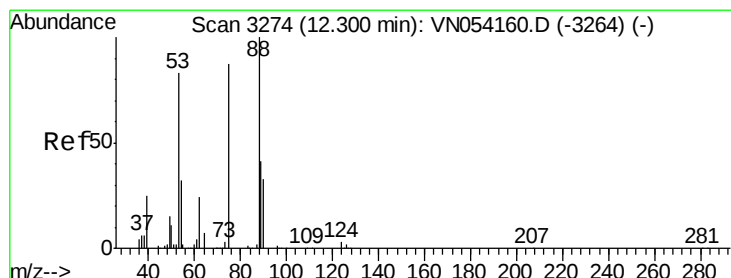
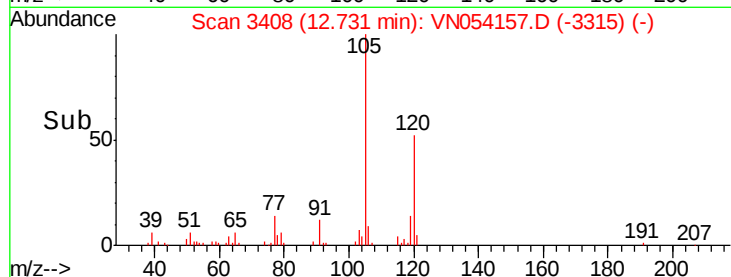
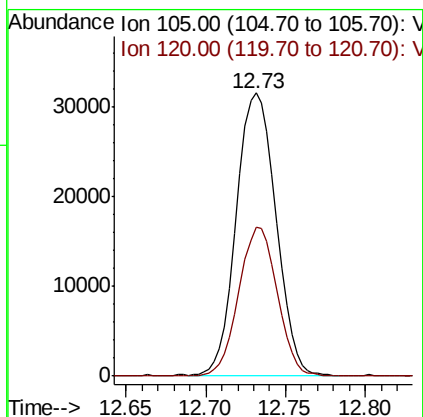
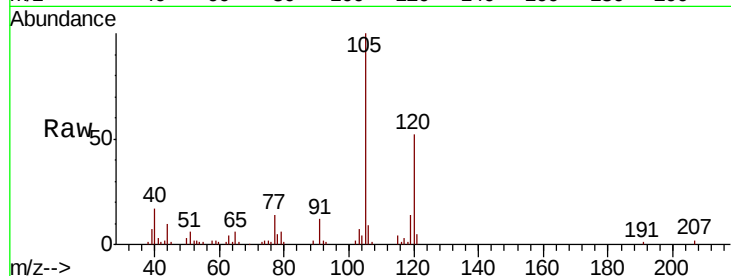
120 50.9 25.0 75.0

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#81

trans-1,4-Dichloro-2-butene

Concen: 3.558 ug/l m

RT: 12.31 min Scan# 3277

Delta R.T. 0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

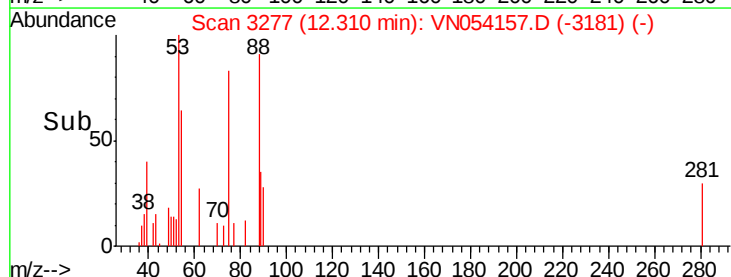
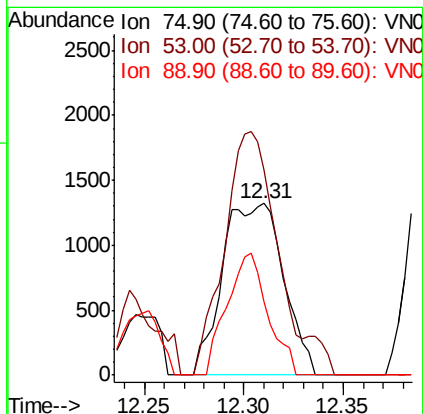
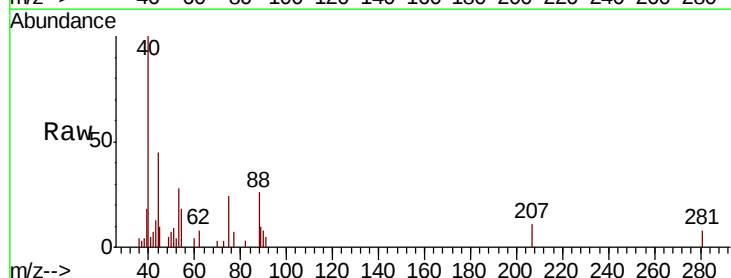
Tgt Ion: 75 Resp: 2817

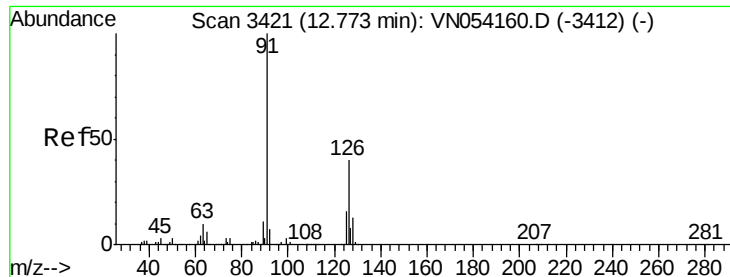
Ion Ratio Lower Upper

75 100

53 126.0 76.2 114.2#

89 47.5 39.2 58.8





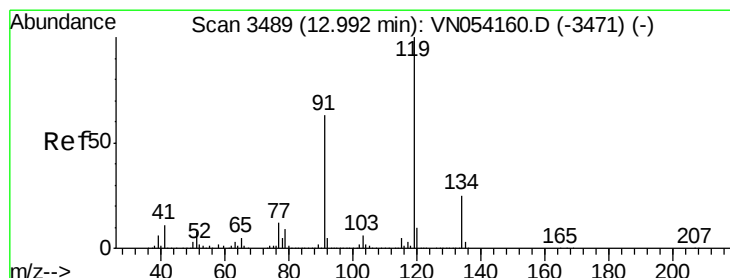
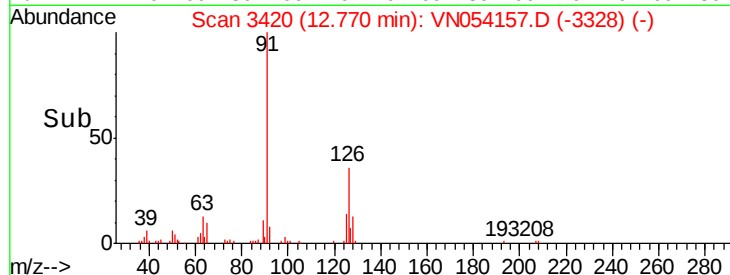
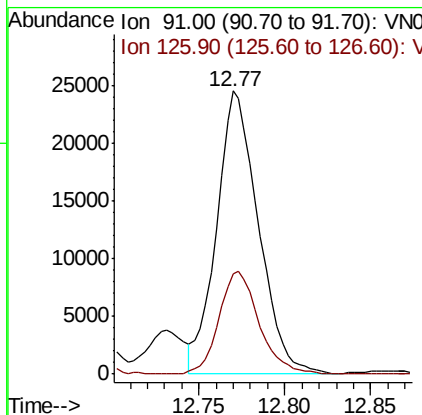
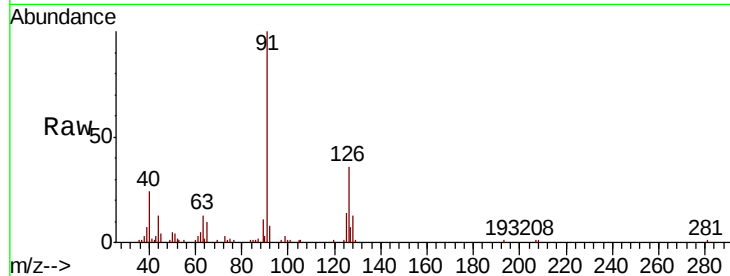
#82
4-Chlorotoluene
Concen: 1.011 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 91 Resp: 41693
Ion Ratio Lower Upper
91 100
126 34.7 18.1 54.1

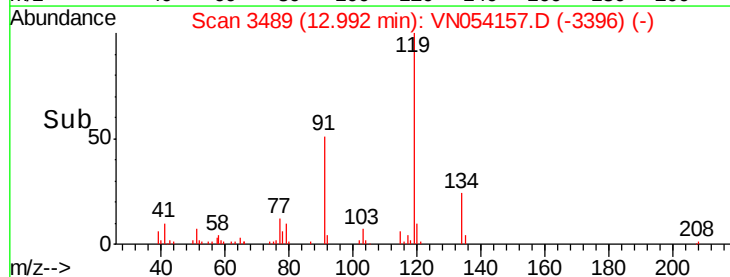
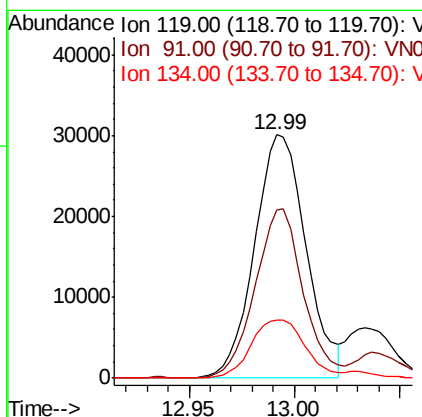
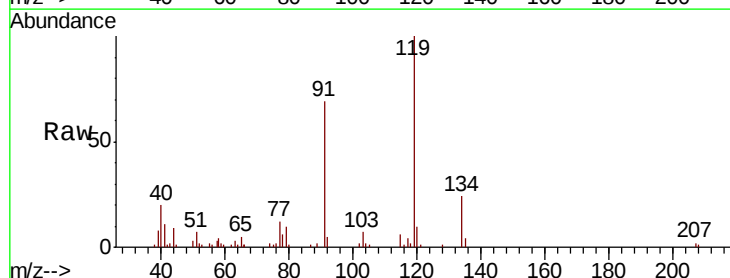
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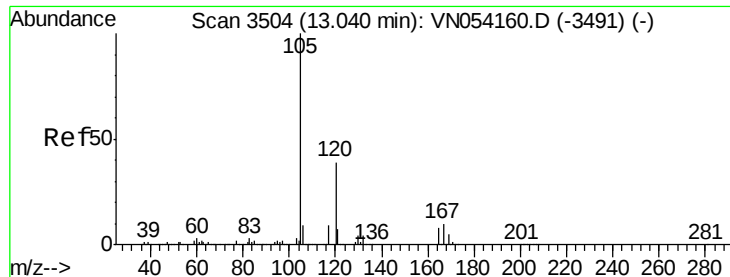
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#83
tert-Butylbenzene
Concen: 1.056 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion: 119 Resp: 51144
Ion Ratio Lower Upper
119 100
91 65.3 30.9 92.8
134 25.2 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 0.968 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 49978

Ion Ratio Lower Upper

105 100

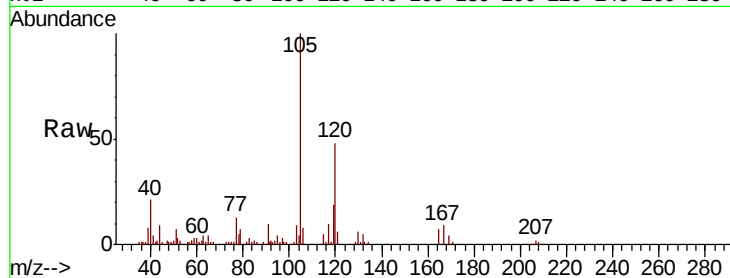
120 46.2 23.4 70.3

Manual Integrations

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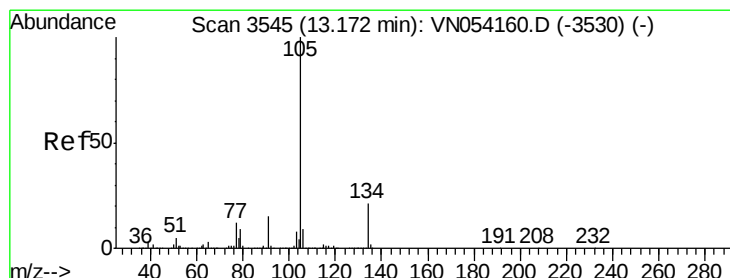
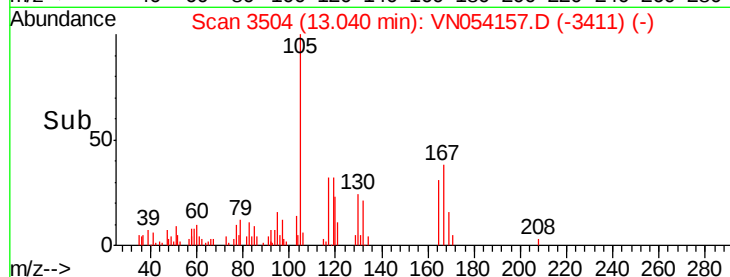
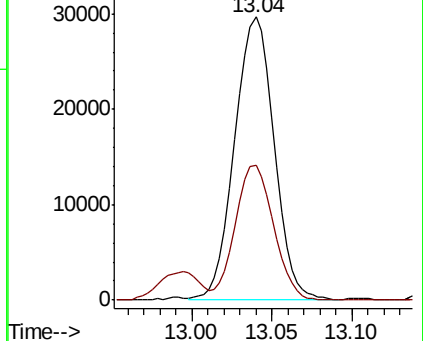
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.003 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054157.D

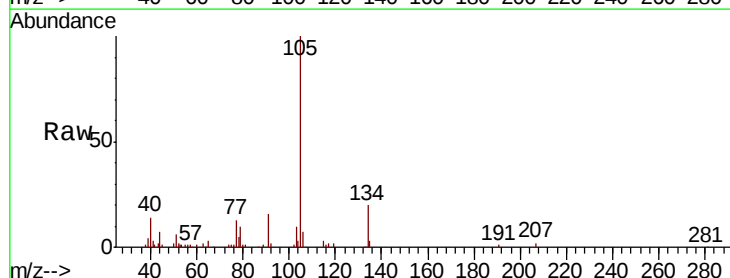
Acq: 12 Mar 2019 10:02

Tgt Ion:105 Resp: 63018

Ion Ratio Lower Upper

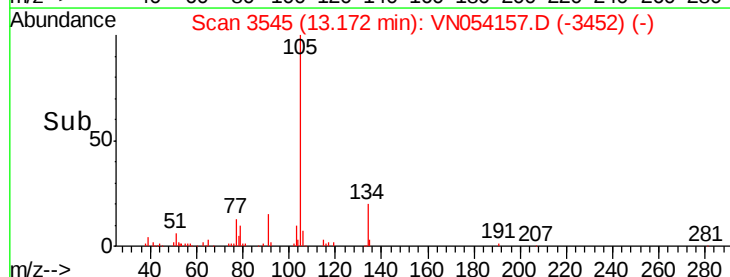
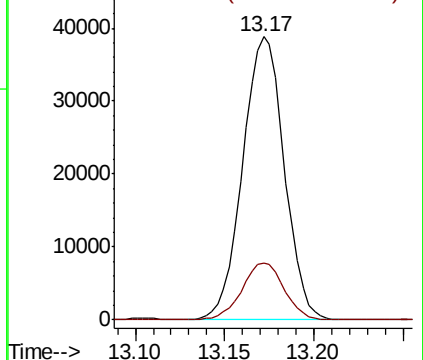
105 100

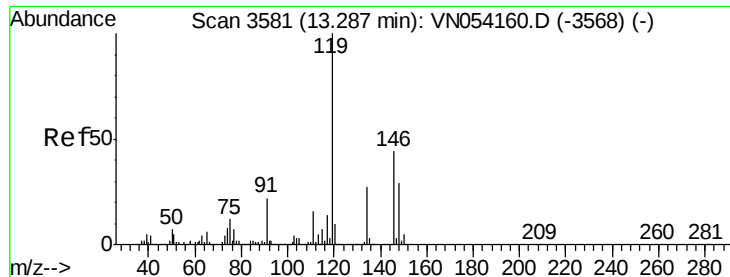
134 20.4 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





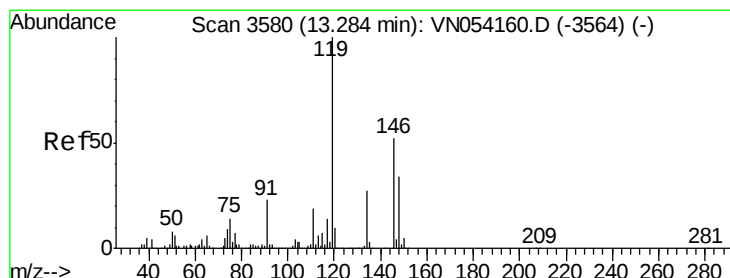
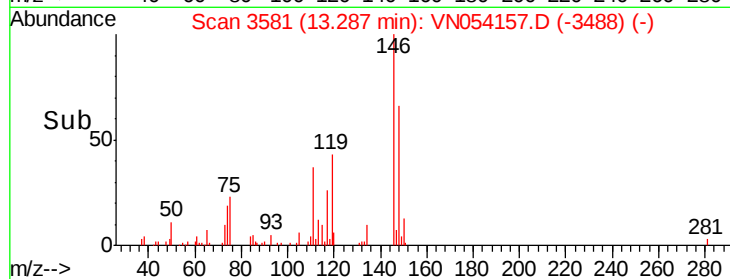
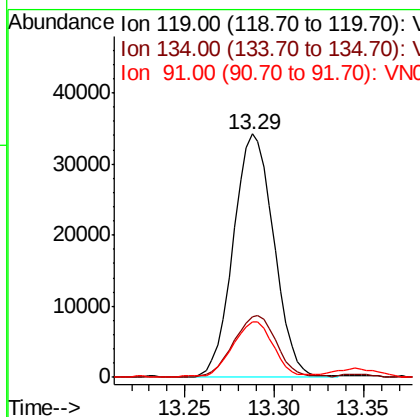
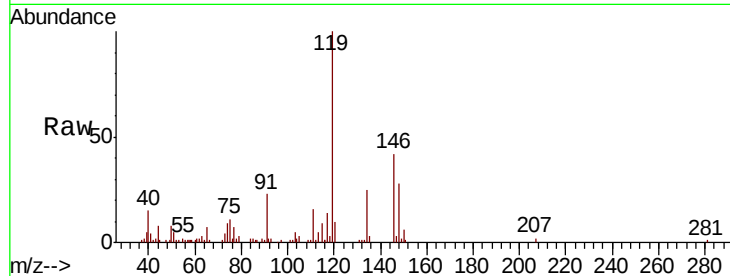
#86
p-Isopropyltoluene
Concen: 0.981 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.6	40.8
91	23.5	11.1	33.3

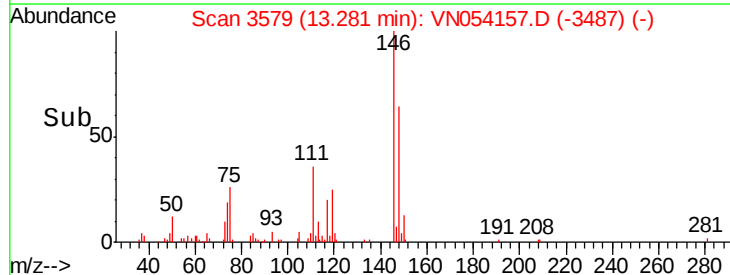
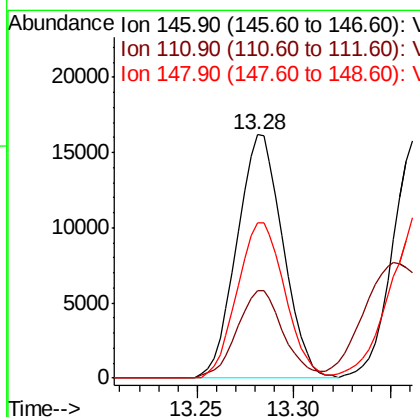
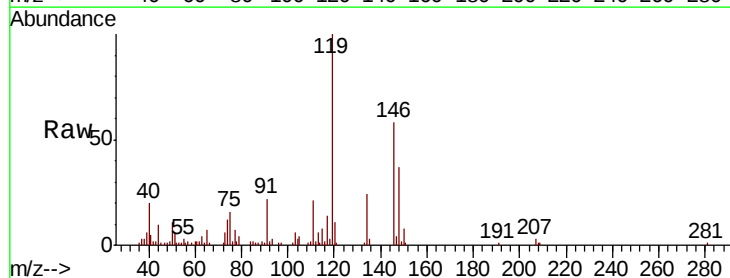
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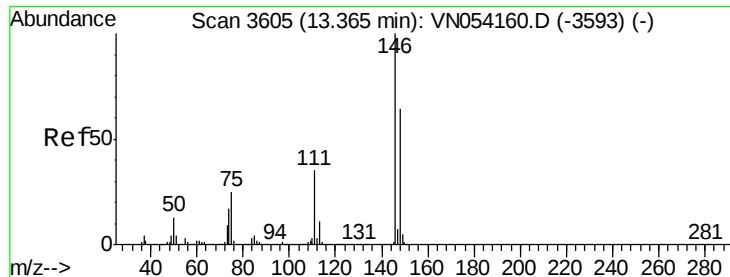
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#87
1,3-Dichlorobenzene
Concen: 0.949 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.8	56.3
148	66.1	32.2	96.6





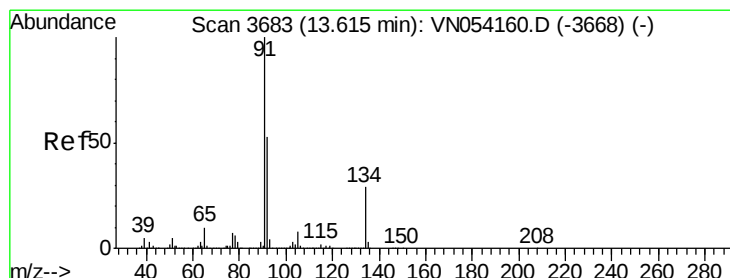
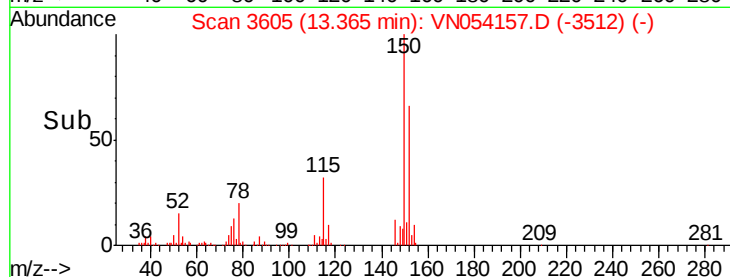
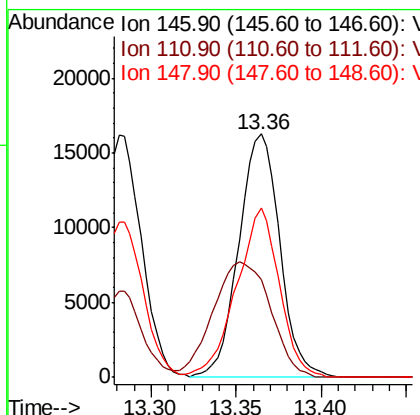
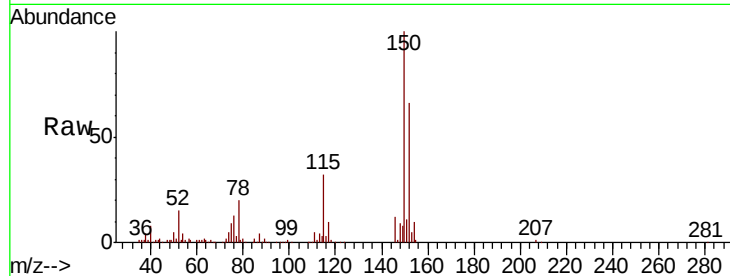
#88
 1,4-Dichlorobenzene
 Concen: 0.985 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.1	54.1
148	64.8	32.0	96.0

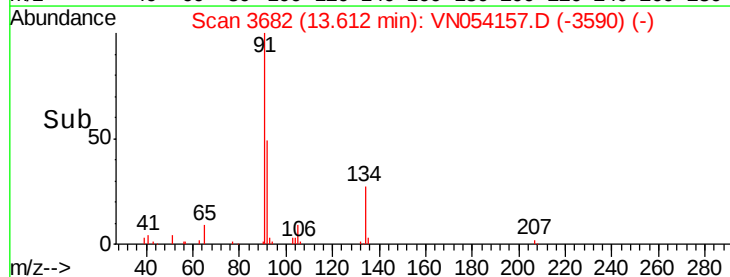
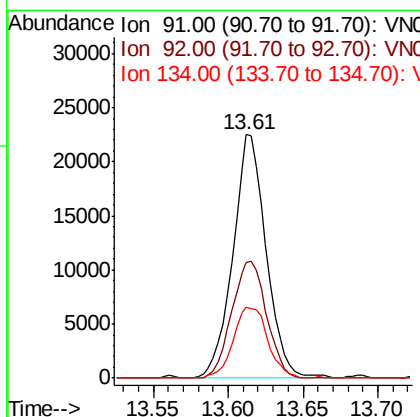
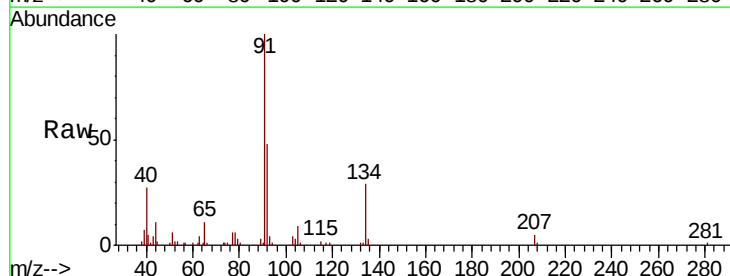
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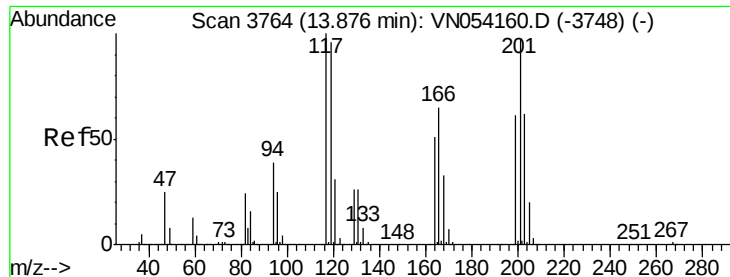
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 3/13/2019 11:49:00 AM



#89
 n-Butylbenzene
 Concen: 0.832 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.0	26.2	78.6
134	30.1	14.3	42.9





#90

Hexachloroethane

Concen: 0.922 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion:117 Resp: 8417

Ion Ratio Lower Upper

117 100

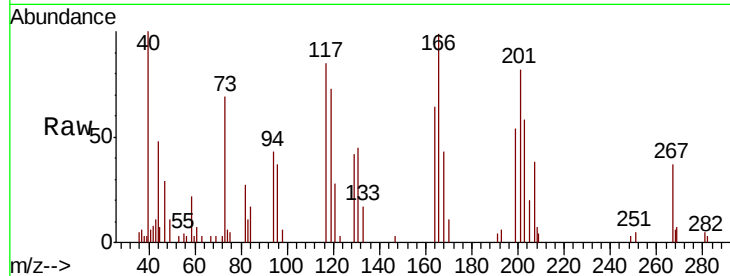
201 91.2 48.1 144.4

Manual Integrations

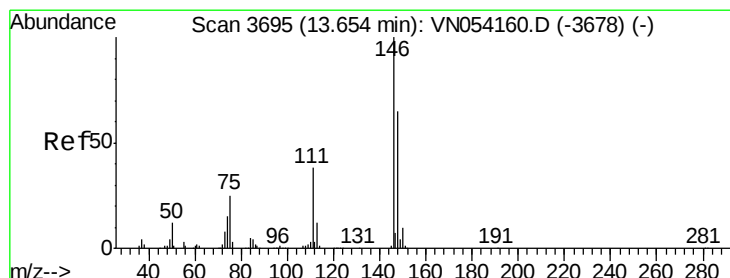
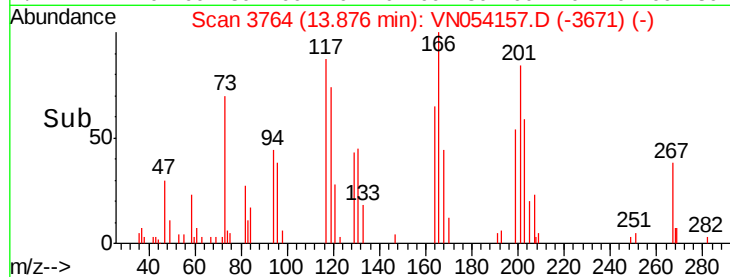
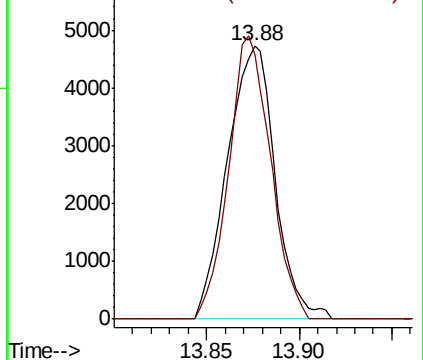
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Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.982 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

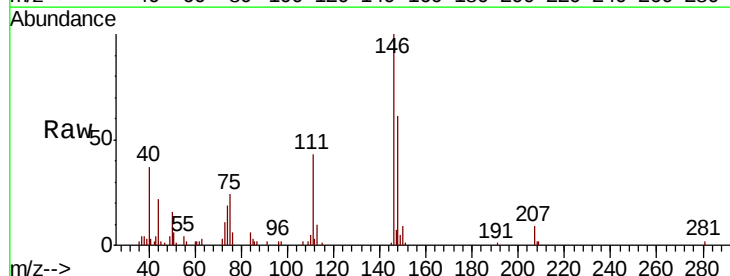
Tgt Ion:146 Resp: 27096

Ion Ratio Lower Upper

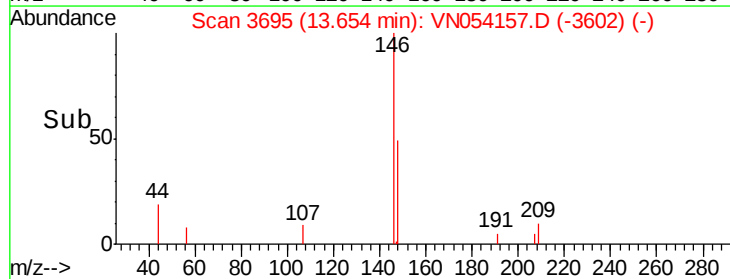
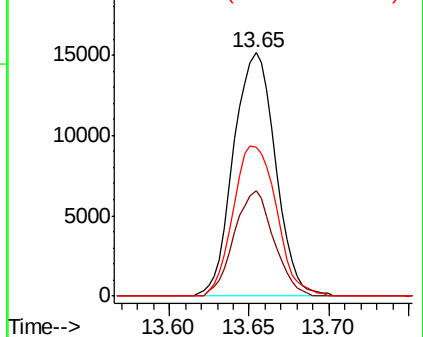
146 100

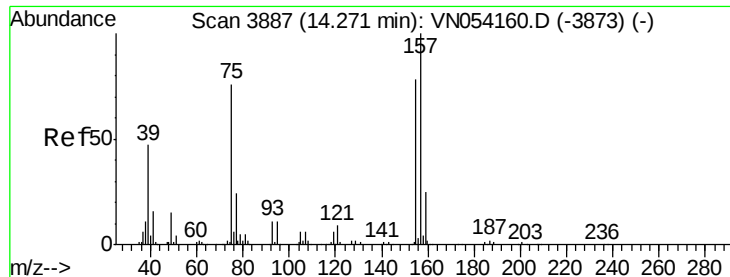
111 40.9 19.1 57.3

148 63.6 32.4 97.0



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





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.968 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Instrument :

MSVOA_N

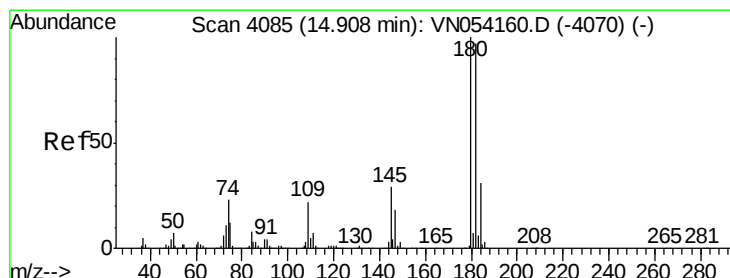
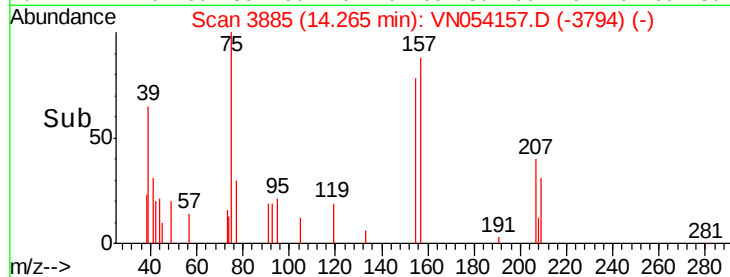
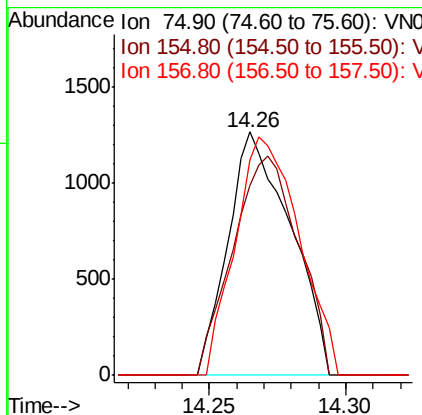
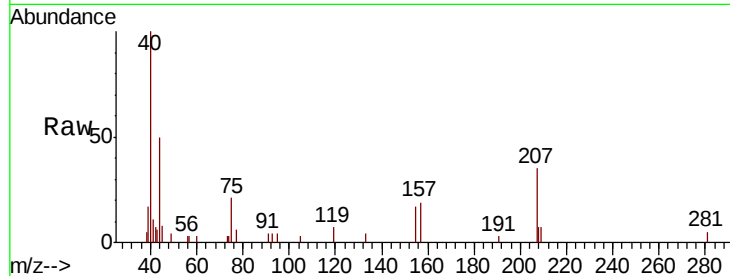
ClientSampleId :

VSTDIC001

Tgt Ion:	75	Resp:	2020
Ion	Ratio	Lower	Upper
75	100		
155	94.5	50.1	150.3
157	99.8	63.1	189.3

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#93

1,2,4-Trichlorobenzene

Concen: 3.054 ug/l

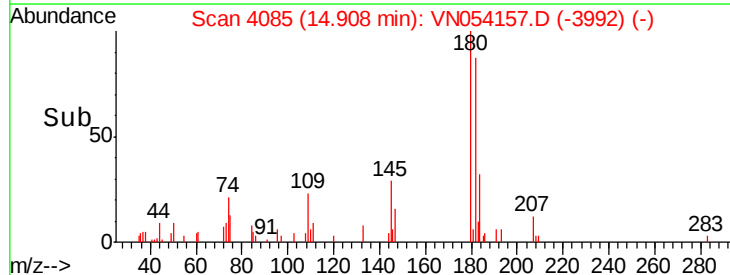
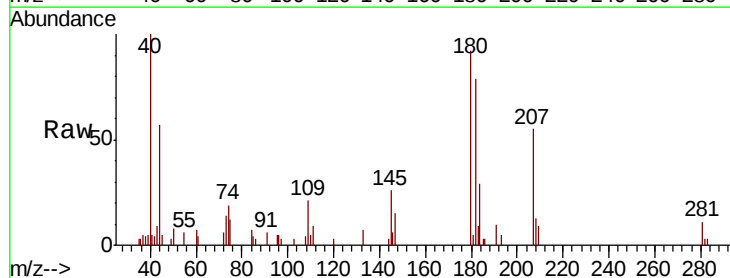
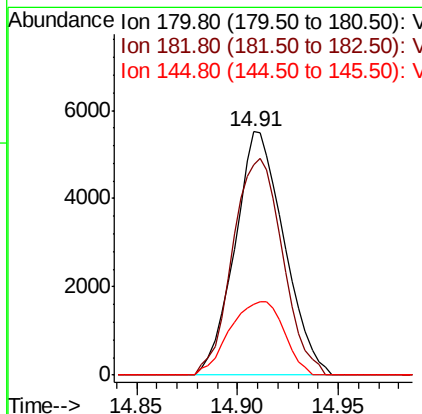
RT: 14.91 min Scan# 4085

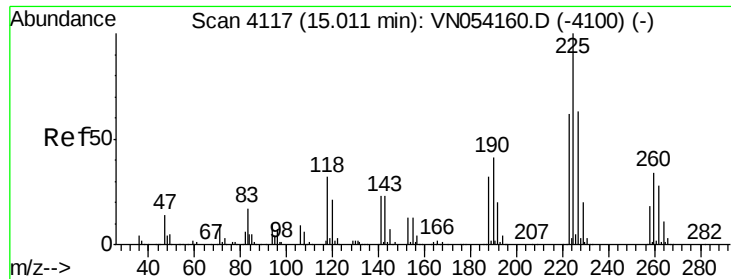
Delta R.T. 0.00 min

Lab File: VN054157.D

Acq: 12 Mar 2019 10:02

Tgt Ion:	180	Resp:	9423
Ion	Ratio	Lower	Upper
180	100		
182	90.0	48.0	144.2
145	33.2	14.2	42.8





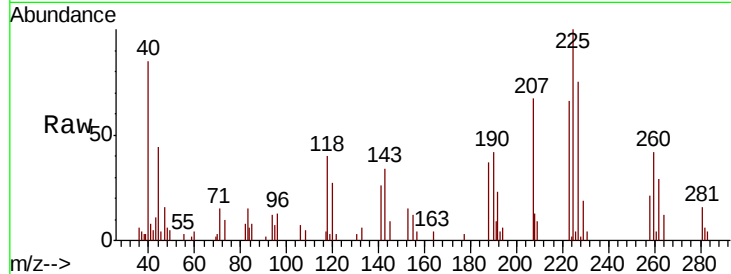
#94
Hexachlorobutadiene
Concen: 1.088 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.8	31.1	93.5
227	69.8	31.9	95.9

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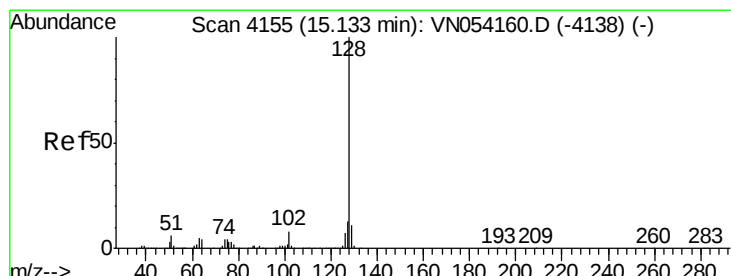
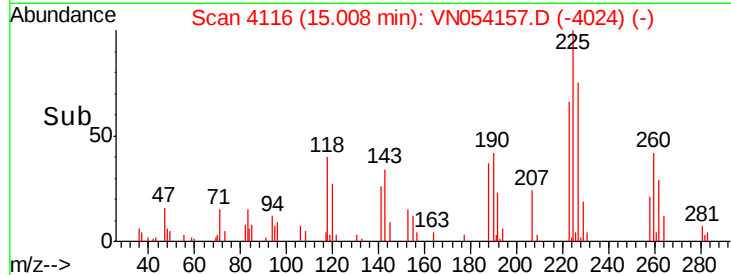
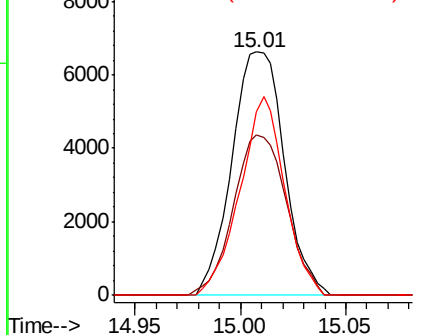


Abundance

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: 4.030 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN054157.D
Acq: 12 Mar 2019 10:02

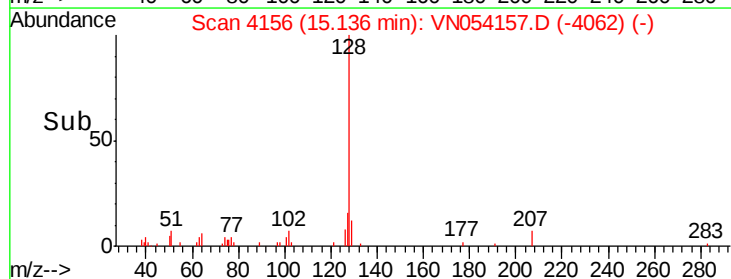
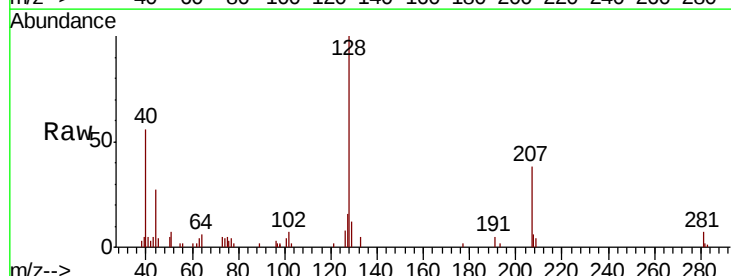
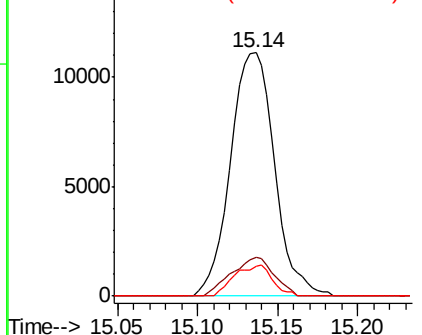
Tgt Ion	Ratio	Lower	Upper
128	100		
127	15.3	10.1	15.1#
129	10.8	8.7	13.1

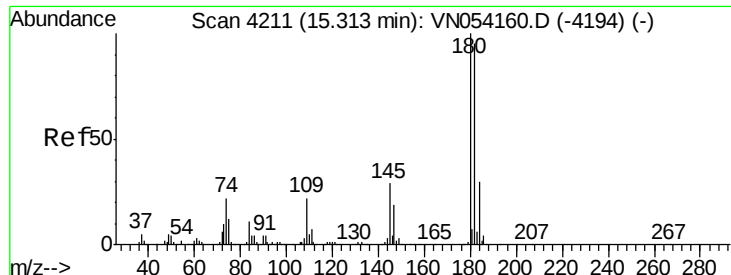
Abundance

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: 0.792 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054157.D
 Acq: 12 Mar 2019 10:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:	180	Resp:	11601
Ion Ratio	Lower	Upper	
180	100		
182	44.1	47.5	142.6#
145	27.2	14.8	44.3

Manual Integrations
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