

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057550.D
 Acq On : 29 Aug 2019 14:55
 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
 9/3/2019 2:38:39 AM

Quant Time: Aug 30 08:56:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 08:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	655911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157026	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	7965	1.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.40%	
35) Dibromofluoromethane	7.58	113	6538	1.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.30%	
50) Toluene-d8	10.08	98	20447	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
62) 4-Bromofluorobenzene	12.40	95	6639	0.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.88%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	4699	0.994	ug/l	81
3) Chloromethane	2.05	50	5449	1.155	ug/l	97
4) Vinyl Chloride	2.18	62	7367	1.058	ug/l	90
6) Chloroethane	2.70	64	5425	1.162	ug/l	90
7) Trichlorofluoromethane	3.01	101	15051	1.041	ug/l	94
8) Diethyl Ether	3.40	74	5326m	1.109	ug/l	
9) 1,1,2-Trichlorotrifluoroet	3.74	101	8503	1.004	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	8054	1.011	ug/l #	65
14) Allyl chloride	4.30	41	5399	0.926	ug/l #	67
15) Acrylonitrile	4.97	53	8338m	4.934	ug/l	
16) Acetone	3.81	43	14266	5.127	ug/l	91
17) Carbon Disulfide	4.02	76	12016	1.103	ug/l #	93
18) Methyl Acetate	4.31	43	6948	1.429	ug/l #	90
19) Methyl tert-butyl Ether	5.03	73	15413	1.015	ug/l #	83
20) Methylene Chloride	4.53	84	6095	1.182	ug/l #	62
21) trans-1,2-Dichloroethene	5.01	96	4976m	0.998	ug/l	
22) Diisopropyl ether	5.94	45	13069m	0.998	ug/l	
23) Vinyl Acetate	5.88	43	46091	4.511	ug/l #	85
24) 1,1-Dichloroethane	5.83	63	8484	0.985	ug/l #	92
25) 2-Butanone	6.84	43	10847	4.938	ug/l #	89
26) 2,2-Dichloropropane	6.81	77	8796	1.001	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	5975	0.990	ug/l	83
28) Bromochloromethane	7.18	49	3022m	0.835	ug/l	
29) Tetrahydrofuran	7.21	42	7120	5.183	ug/l #	80
30) Chloroform	7.36	83	11570	1.083	ug/l	84
32) 1,1,1-Trichloroethane	7.56	97	8964m	0.944	ug/l	
36) 1,1-Dichloropropene	7.78	75	6706	0.945	ug/l	99
37) Ethyl Acetate	6.93	43	5428m	1.373	ug/l	
38) Carbon Tetrachloride	7.75	117	8216m	0.990	ug/l	
39) Methylcyclohexane	9.07	83	8398	0.930	ug/l #	85
40) Benzene	8.03	78	21312	0.981	ug/l	97
41) Methacrylonitrile	7.19	41	3194m	0.943	ug/l	
42) 1,2-Dichloroethane	8.12	62	7840	1.014	ug/l	99
43) Isopropyl Acetate	8.16	43	9252	1.054	ug/l #	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	5547	0.924	ug/l	87
45) 1,2-Dichloropropane	9.11	63	5144	1.013	ug/l	92
46) Dibromomethane	9.20	93	3970	0.997	ug/l #	86
47) Bromodichloromethane	9.39	83	7918	0.965	ug/l	97
48) Methyl methacrylate	9.19	41	4499	1.086	ug/l #	86
49) 1,4-Dioxane	9.20	88	1336	17.665	ug/l #	82
51) 4-Methyl-2-Pentanone	9.98	43	21719	4.631	ug/l	91
52) Toluene	10.15	92	12724	0.904	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	7219	0.910	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	7778	0.905	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	4902	0.905	ug/l #	92
56) Ethyl methacrylate	10.43	69	6460	0.896	ug/l	99
57) 1,3-Dichloropropane	10.70	76	8268	0.956	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	6429	3.802	ug/l #	89
59) 2-Hexanone	10.75	43	15320	4.732	ug/l	90
60) Dibromochloromethane	10.90	129	5091	0.824	ug/l	97
61) 1,2-Dibromoethane	11.00	107	5079	0.896	ug/l	93
64) Tetrachloroethene	10.63	164	5746	1.050	ug/l #	82
65) Chlorobenzene	11.43	112	12184	0.911	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.51	131	4886	0.927	ug/l #	55
67) Ethyl Benzene	11.51	91	22320	0.951	ug/l	95
68) m/p-Xylenes	11.62	106	15490	1.732	ug/l	93
69) o-Xylene	11.95	106	8240	0.918	ug/l	90
70) Styrene	11.97	104	10505	0.775	ug/l	95
71) Bromoform	12.13	173	2873	0.816	ug/l #	98
73) Isopropylbenzene	12.25	105	20733	1.240	ug/l	98
74) N-amyl acetate	12.07	43	5011	1.191	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.51	83	4901	1.206	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	4792m	1.271	ug/l	
77) Bromobenzene	12.53	156	4446	1.148	ug/l	86
78) n-propylbenzene	12.59	91	19047	1.147	ug/l	95
79) 2-Chlorotoluene	12.68	91	12359	1.195	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	13806	1.050	ug/l	96
82) 4-Chlorotoluene	12.78	91	10255	1.069	ug/l	85
83) tert-Butylbenzene	12.99	119	15381	1.230	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	11472	0.954	ug/l	96
85) sec-Butylbenzene	13.17	105	15255	1.055	ug/l	99
86) p-Isopropyltoluene	13.29	119	11715	0.943	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	5326	0.947	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	4882m	0.905	ug/l	
89) n-Butylbenzene	13.62	91	8696	0.924	ug/l	88
90) Hexachloroethane	13.88	117	3260	1.247	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	4534	0.864	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	549m	0.932	ug/l	
93) 1,2,4-Trichlorobenzene	14.91	180	1368m	0.795	ug/l	
94) Hexachlorobutadiene	15.01	225	1704	0.985	ug/l	90
95) Naphthalene	15.13	128	4742	0.913	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	1756	0.990	ug/l	92

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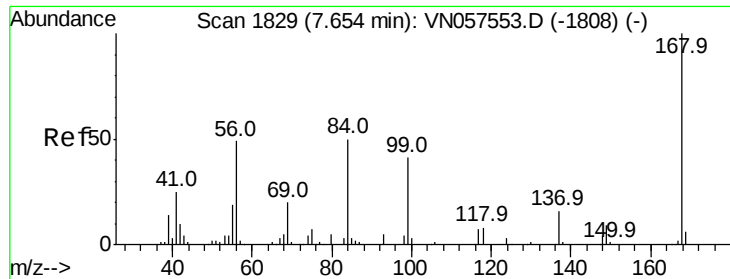
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 420598

Ion Ratio Lower Upper

168 100

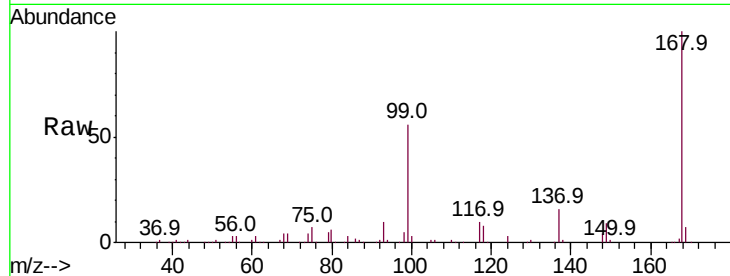
99 55.3 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN057550.D (-1736) (-)

Ion 98.90 (98.60 to 99.60): VN057550.D (-1736) (-)

7.65

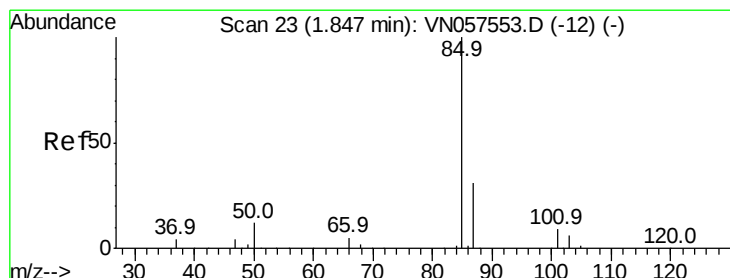
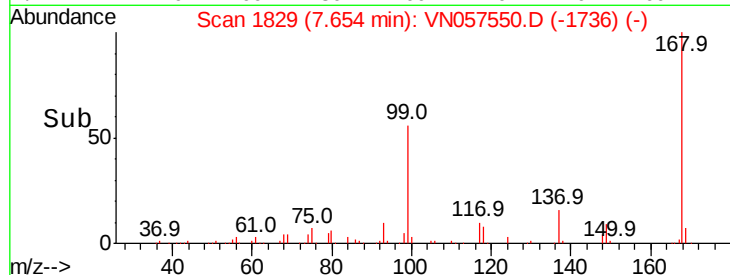
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.994 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057550.D

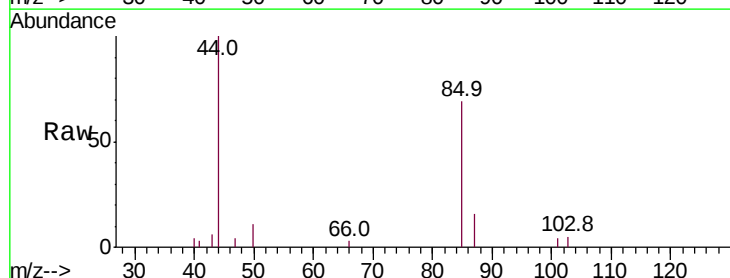
Acq: 29 Aug 2019 14:55

Tgt Ion: 85 Resp: 4699

Ion Ratio Lower Upper

85 100

87 23.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN057550.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN057550.D (-1) (-)

1.85

4000

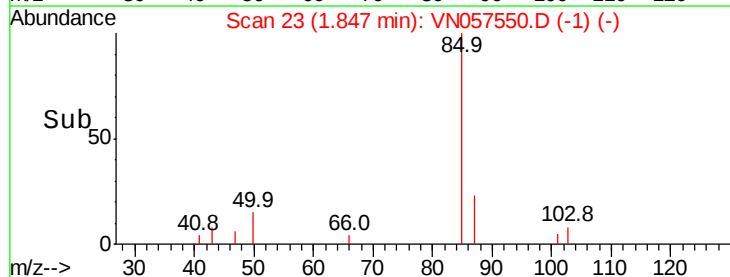
3000

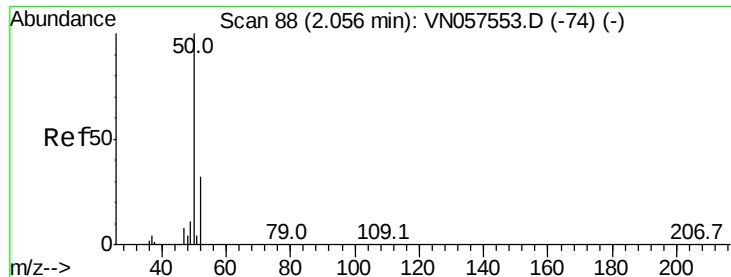
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.155 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 5449

Ion Ratio Lower Upper

50 100

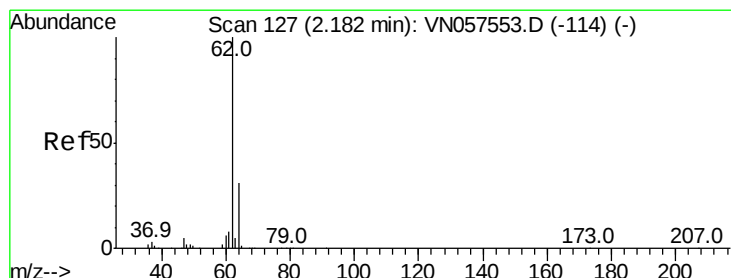
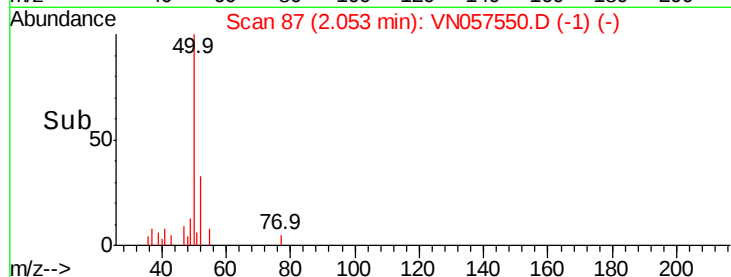
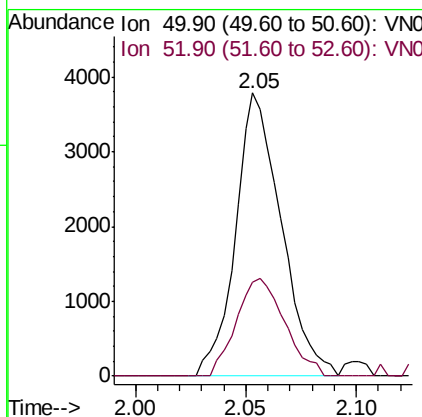
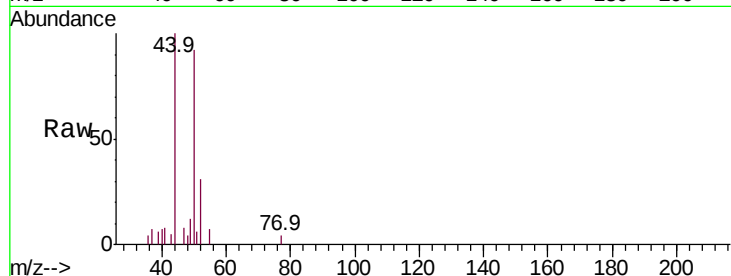
52 33.1 25.1 37.7

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#4

Vinyl Chloride

Concen: 1.058 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057550.D

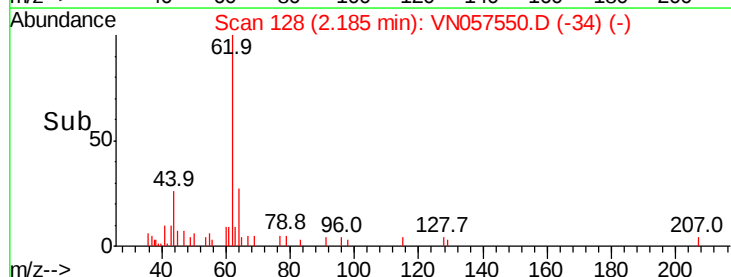
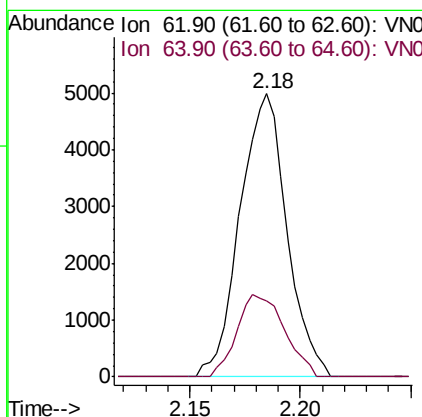
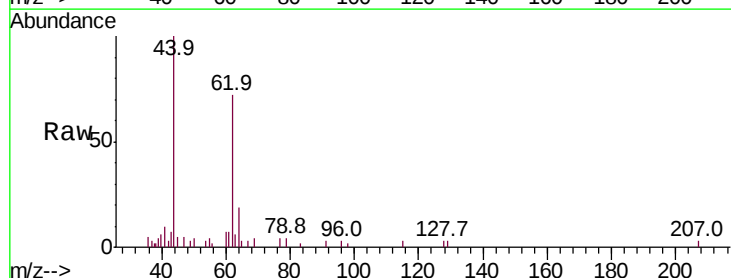
Acq: 29 Aug 2019 14:55

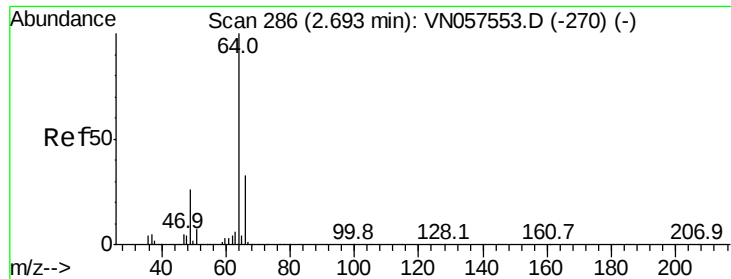
Tgt Ion: 62 Resp: 7367

Ion Ratio Lower Upper

62 100

64 26.9 25.8 38.8





#6

Chloroethane

Concen: 1.162 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 5425

Ion Ratio Lower Upper

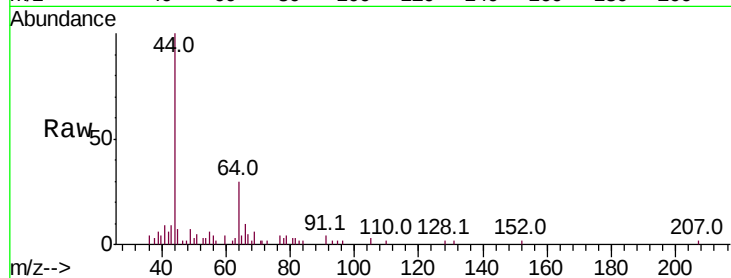
64 100

66 27.6 26.8 40.2

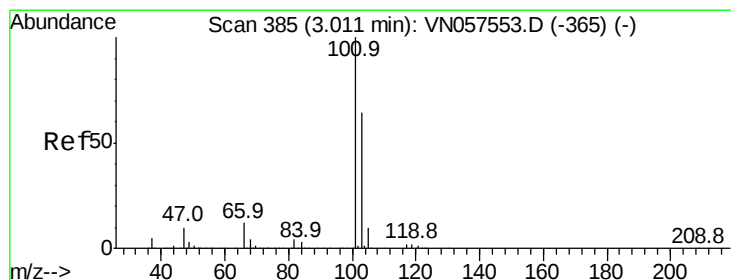
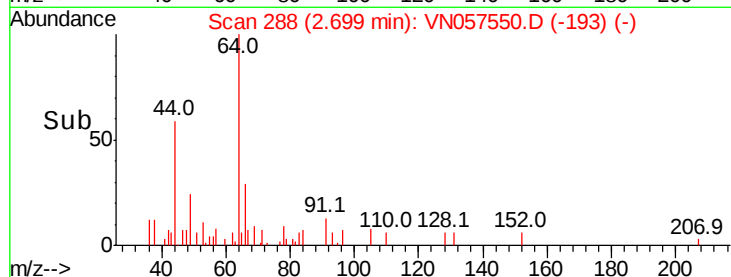
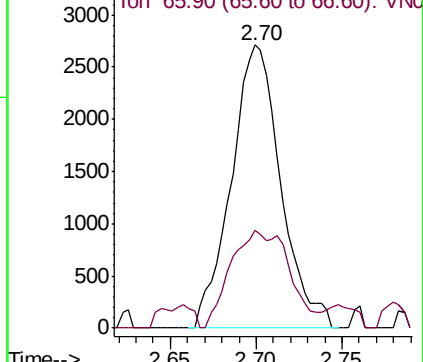
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Abundance Ion 63.90 (63.60 to 64.60): VN057550.D (-193) (-)



#7

Trichlorofluoromethane

Concen: 1.041 ug/l

RT: 3.01 min Scan# 386

Delta R.T. 0.00 min

Lab File: VN057550.D

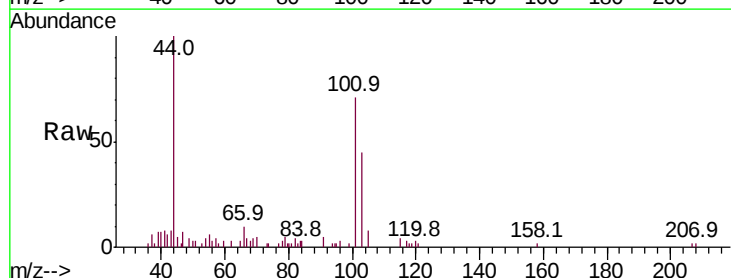
Acq: 29 Aug 2019 14:55

Tgt Ion: 101 Resp: 15051

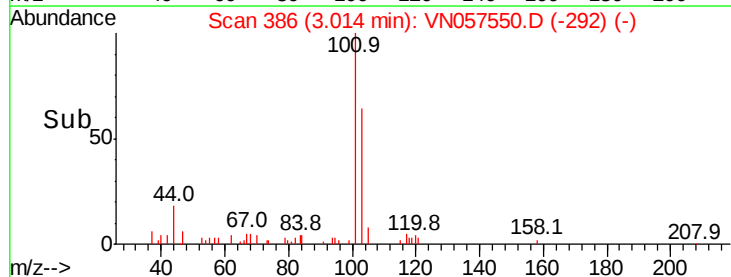
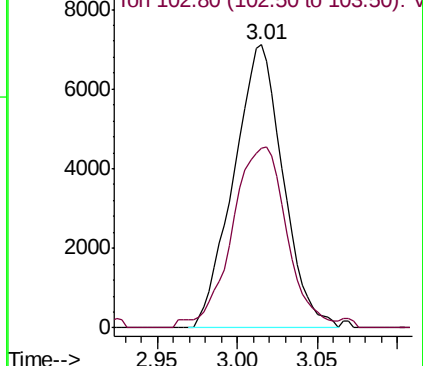
Ion Ratio Lower Upper

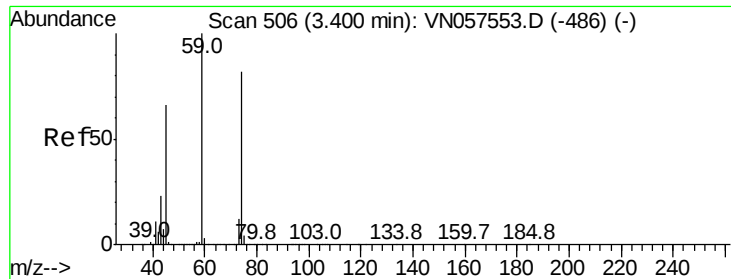
101 100

103 61.1 52.6 78.8



Abundance Ion 100.90 (100.60 to 101.60): VN057550.D (-292) (-)





#8

Diethyl Ether

Concen: 1.109 ug/l m

RT: 3.40 min Scan# 506

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

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MSVOA_N

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VSTDIC001

Tot Ion: 74 Resp: 5326

Ion Ratio Lower Upper

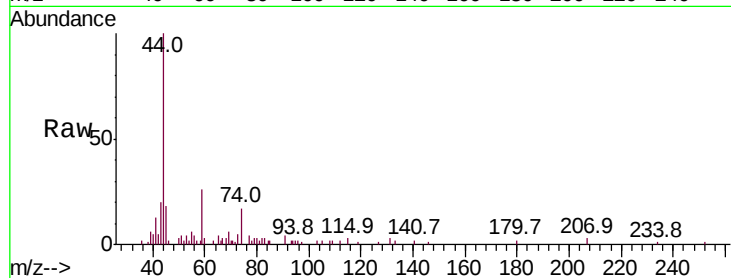
74 100

45 5.9 57.9 173.6#

Manual Integrations
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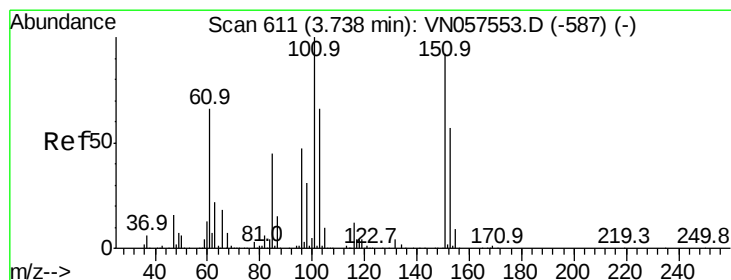
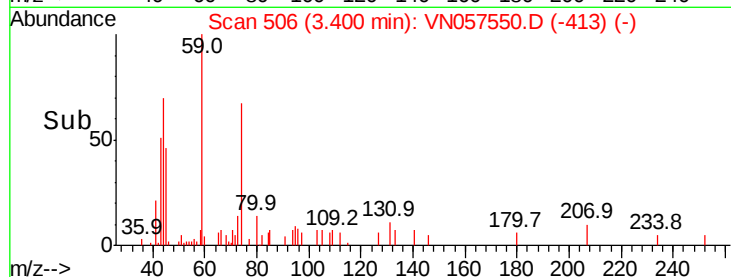
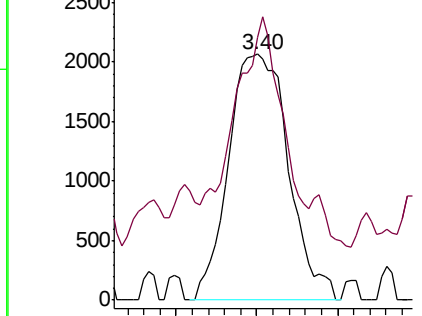
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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.004 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

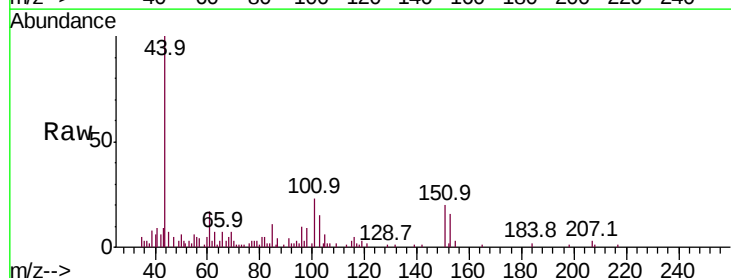
Tgt Ion: 101 Resp: 8503

Ion Ratio Lower Upper

101 100

85 54.4 40.0 60.0

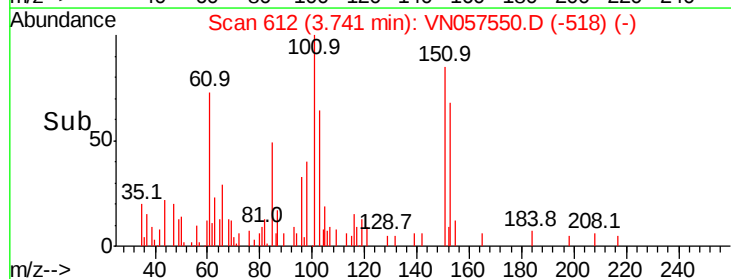
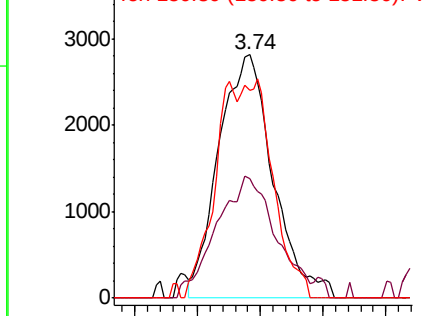
151 38.9 57.0 85.6#

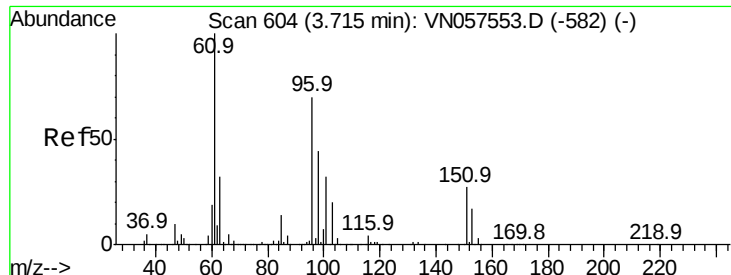


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





#12

1,1-Dichloroethene

Concen: 1.011 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

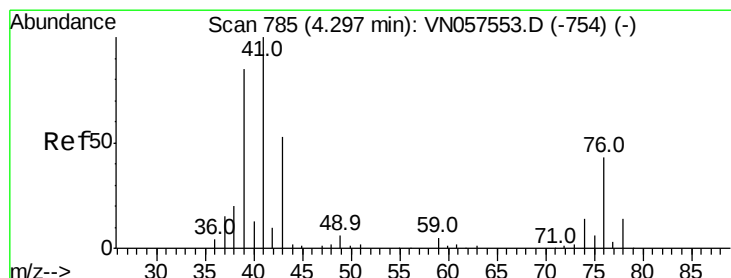
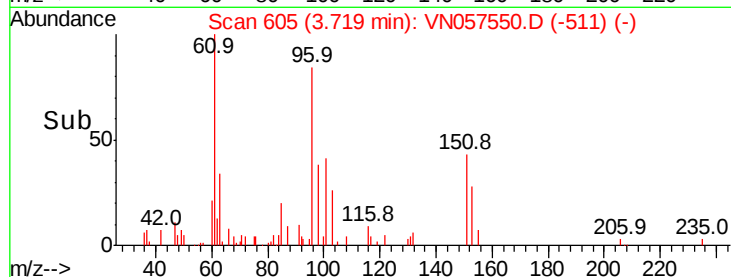
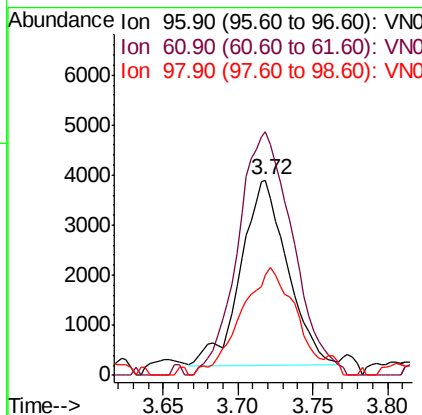
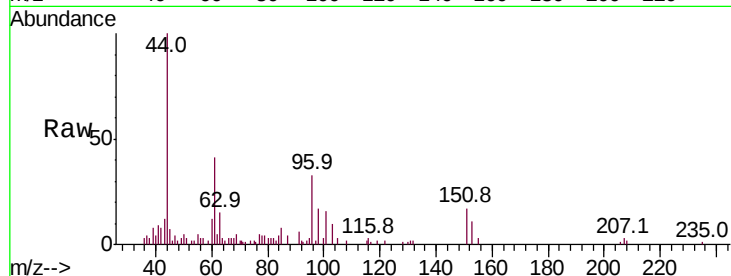
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	8054
Ion	Ratio	Lower	Upper
96	100		
61	131.3	155.3	232.9#
98	54.1	50.2	75.2

Manual Integrations
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9/3/2019 2:38:39 AM



#14

Allyl chloride

Concen: 0.926 ug/l

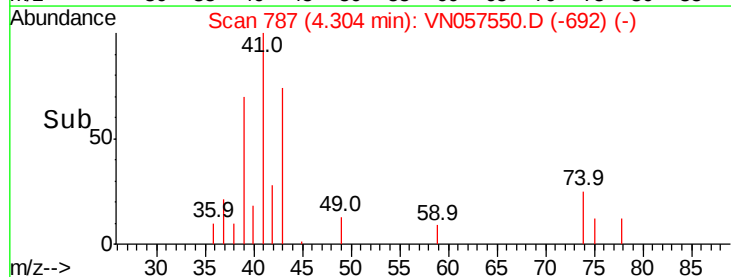
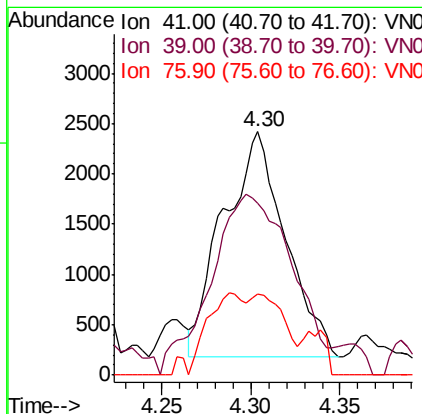
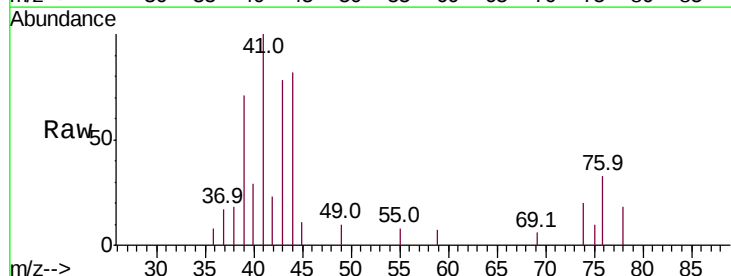
RT: 4.30 min Scan# 787

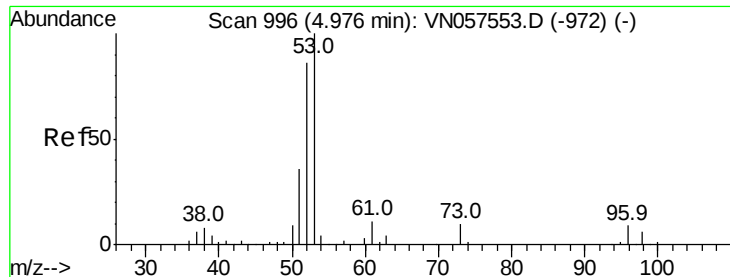
Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	41	Resp:	5399
Ion	Ratio	Lower	Upper
41	100		
39	106.3	57.4	86.2#
76	22.2	22.9	34.3#





#15

Acrylonitrile

Concen: 4.934 ug/l m

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

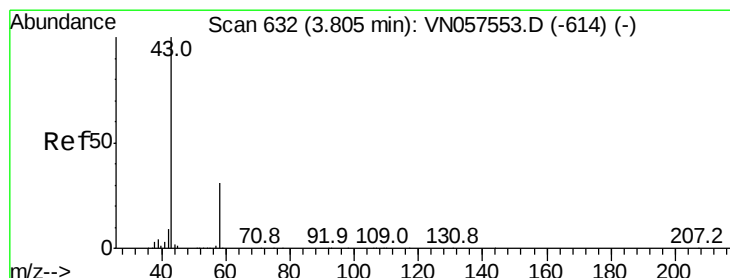
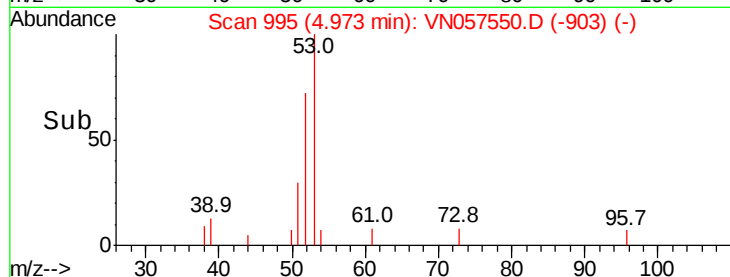
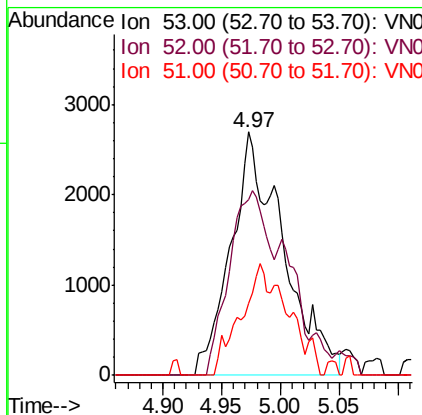
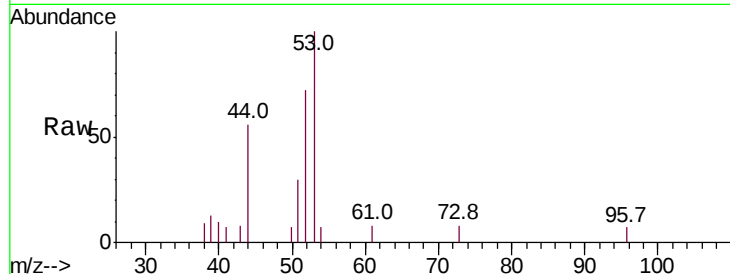
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	8338
Ion	Ratio	Lower	Upper
53	100		
52	57.3	67.0	100.6#
51	25.0	29.9	44.9#

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#16

Acetone

Concen: 5.127 ug/l

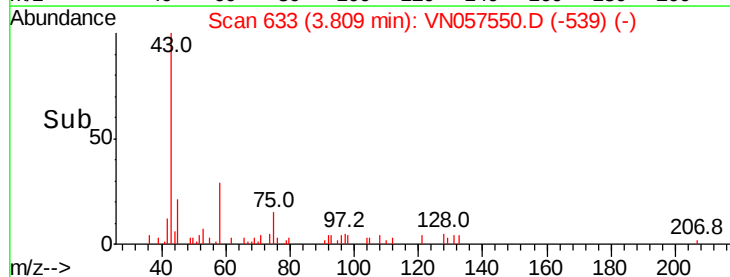
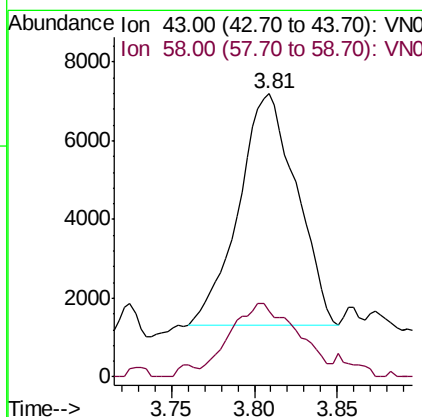
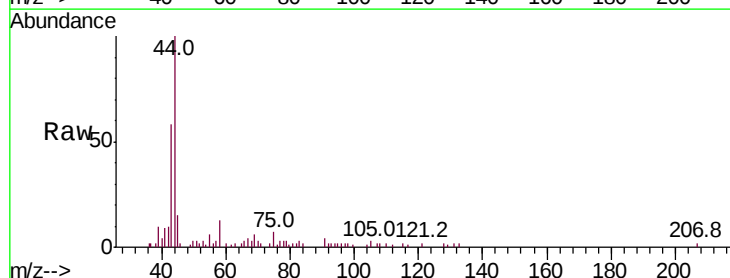
RT: 3.81 min Scan# 633

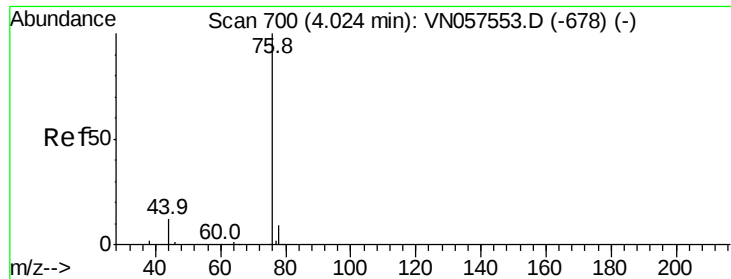
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	43	Resp:	14266
Ion	Ratio	Lower	Upper
43	100		
58	23.0	22.1	33.1





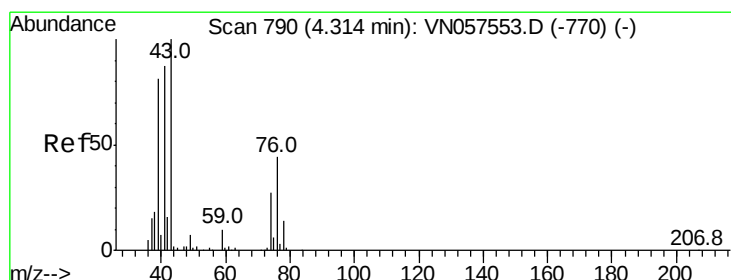
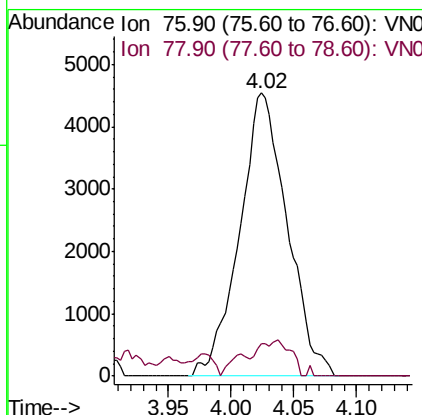
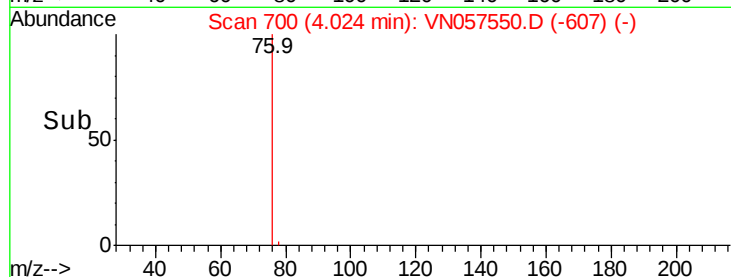
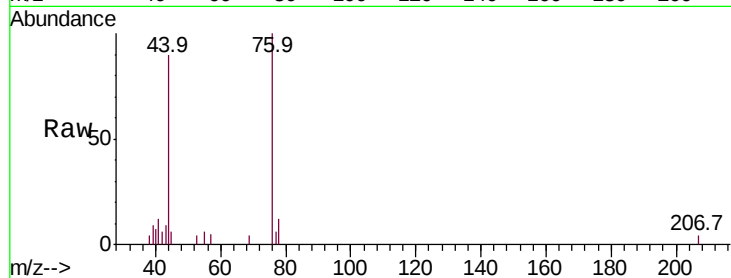
#17
Carbon Disulfide
Concen: 1.103 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 12016
Ion Ratio Lower Upper
76 100
78 11.5 7.1 10.7#

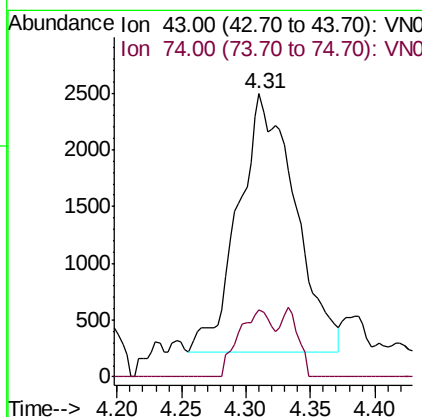
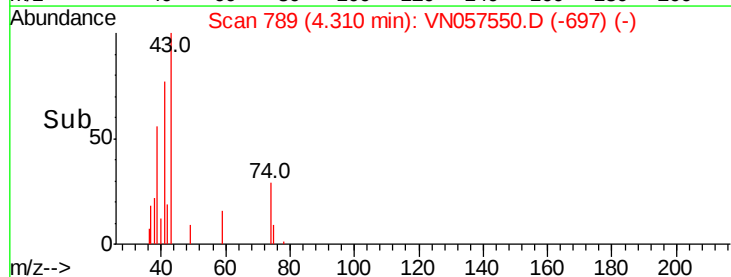
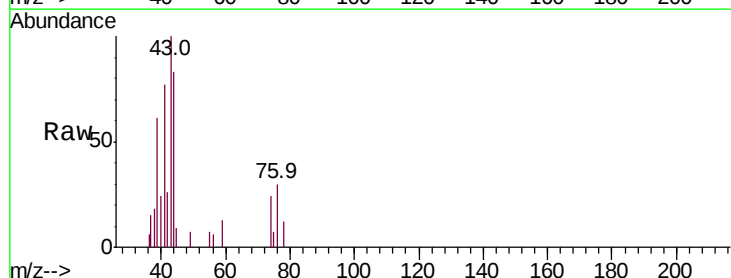
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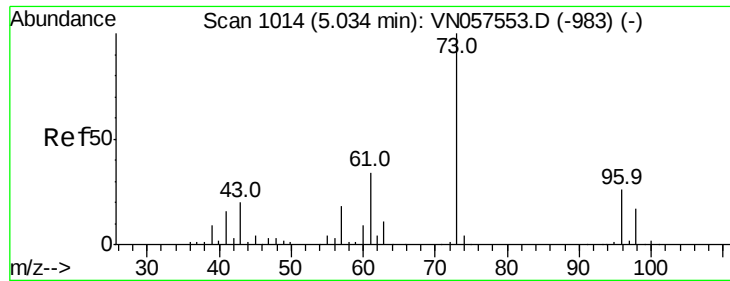
MMDadoda
9/3/2019 2:38:39 AM



#18
Methyl Acetate
Concen: 1.429 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 43 Resp: 6948
Ion Ratio Lower Upper
43 100
74 15.5 15.9 23.9#





#19

Methyl tert-butyl Ether

Concen: 1.015 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 73 Resp: 15413

Ion Ratio Lower Upper

73 100

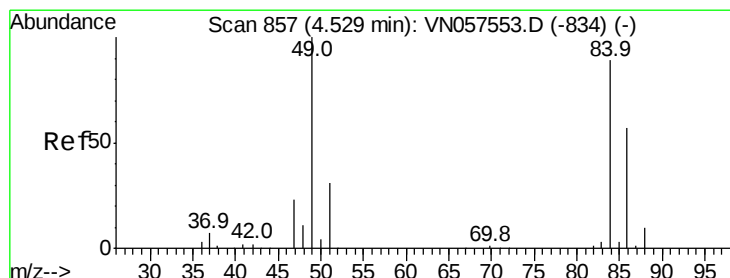
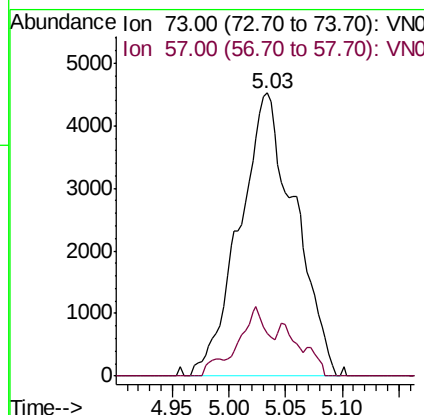
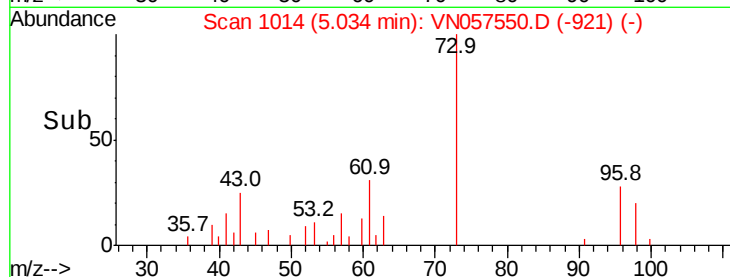
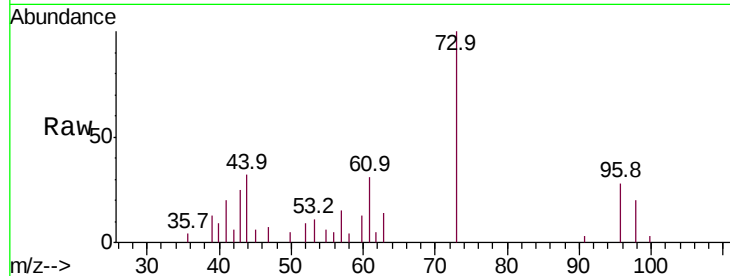
57 15.3 19.1 28.7#

Manual Integrations

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#20

Methylene Chloride

Concen: 1.182 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion: 84 Resp: 6095

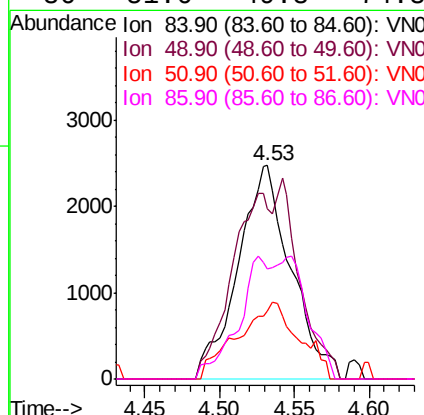
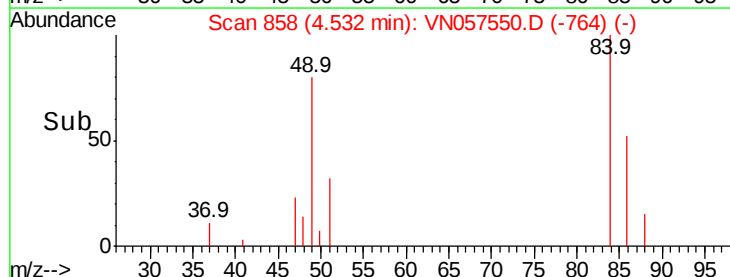
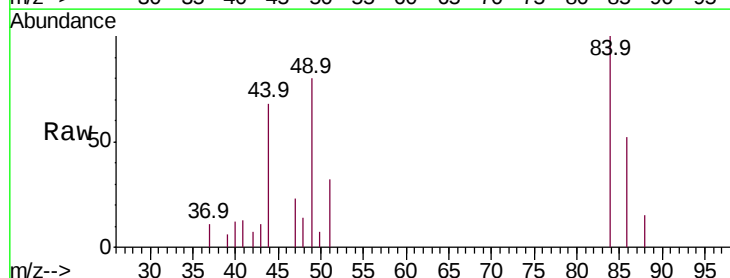
Ion Ratio Lower Upper

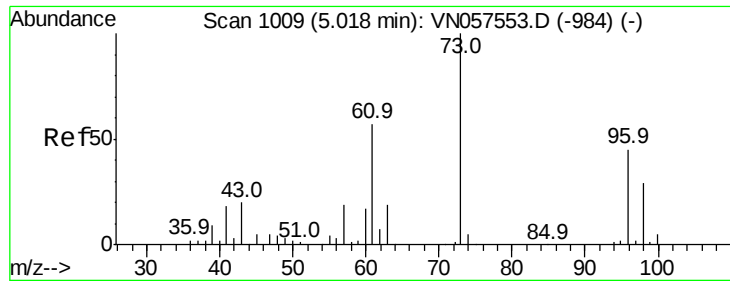
84 100

49 79.7 117.0 175.4#

51 31.8 35.5 53.3#

86 51.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 0.998 ug/l m

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 4976

Ion Ratio Lower Upper

96 100

61 113.3 127.9 191.9#

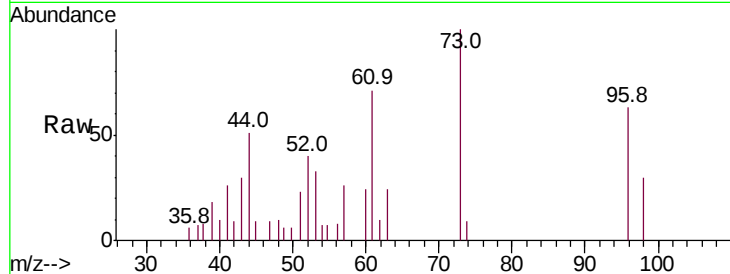
98 47.9 50.6 76.0#

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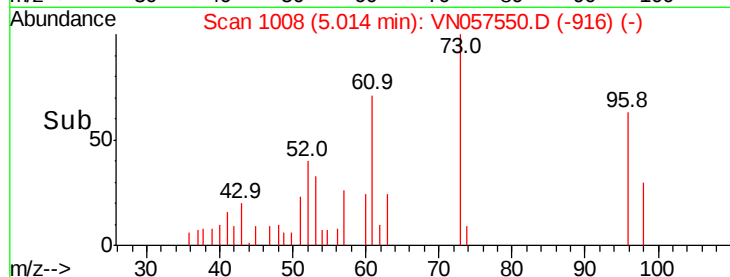


Abundance Ion 95.90 (95.60 to 96.60): VN057553.D (-984) (-)

Ion 60.90 (60.60 to 61.60): VN057553.D (-984) (-)

Ion 97.90 (97.60 to 98.60): VN057553.D (-984) (-)

Time--> 4.90 4.95 5.00 5.05 5.10

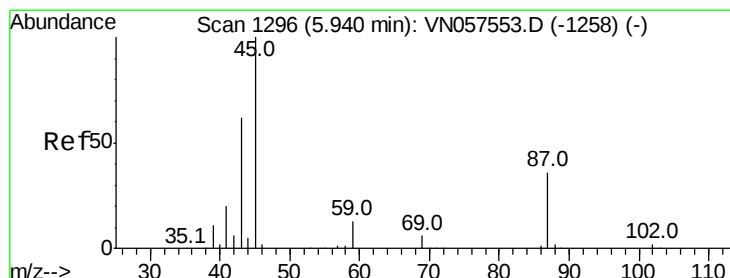


Abundance Ion 95.90 (95.60 to 96.60): VN057550.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN057550.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN057550.D (-916) (-)

Time--> 4.90 4.95 5.00 5.05 5.10



#22

Diisopropyl ether

Concen: 0.998 ug/l m

RT: 5.94 min Scan# 1297

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion: 45 Resp: 13069

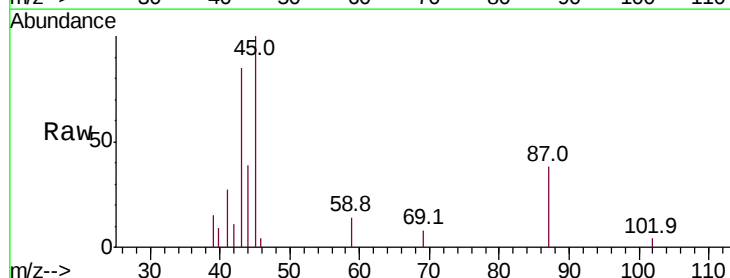
Ion Ratio Lower Upper

45 100

43 85.2 46.9 70.3#

87 37.8 19.3 28.9#

59 14.3 8.7 13.1#



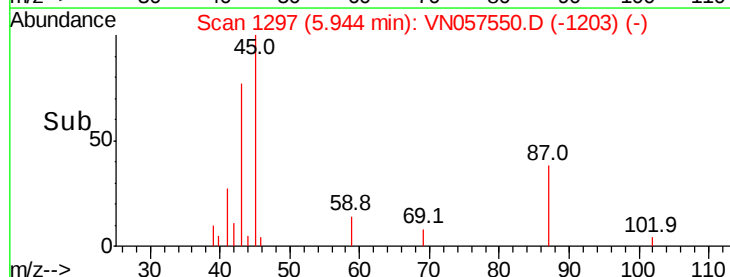
Abundance Ion 45.00 (44.70 to 45.70): VN057553.D (-1258) (-)

Ion 43.00 (42.70 to 43.70): VN057553.D (-1258) (-)

Ion 87.00 (86.70 to 87.70): VN057553.D (-1258) (-)

Ion 59.00 (58.70 to 59.70): VN057553.D (-1258) (-)

Time--> 5.80 5.90 6.00



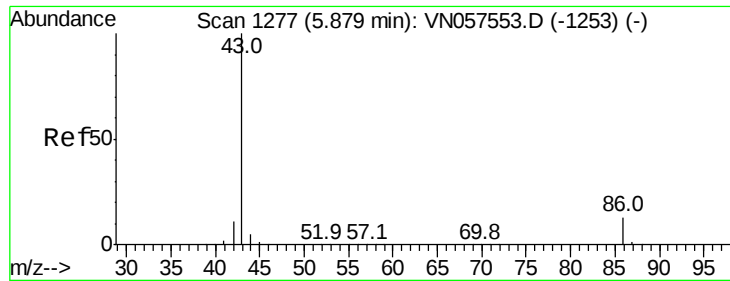
Abundance Ion 45.00 (44.70 to 45.70): VN057550.D (-1203) (-)

Ion 43.00 (42.70 to 43.70): VN057550.D (-1203) (-)

Ion 87.00 (86.70 to 87.70): VN057550.D (-1203) (-)

Ion 59.00 (58.70 to 59.70): VN057550.D (-1203) (-)

Time--> 5.80 5.90 6.00



#23

Vinyl Acetate

Concen: 4.511 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 46091

Ion Ratio Lower Upper

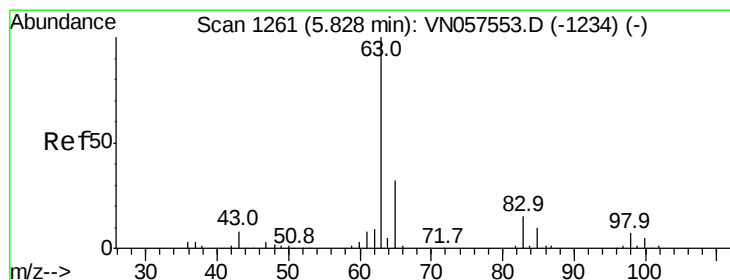
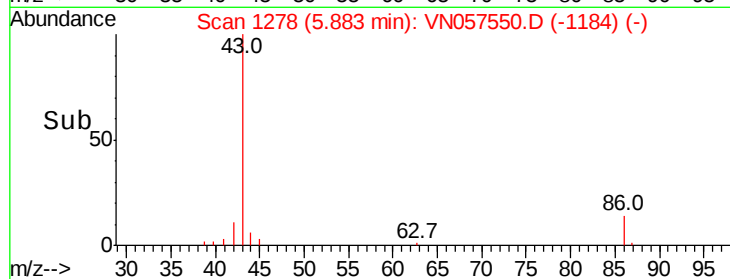
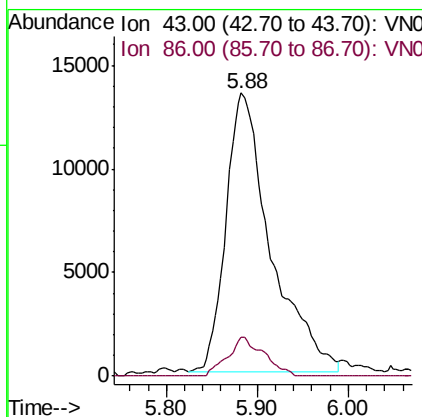
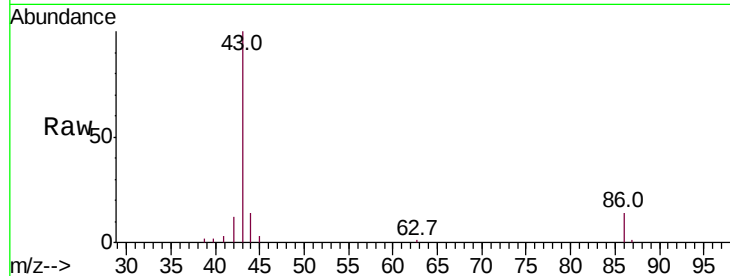
43 100

86 13.8 6.7 10.1#

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#24

1,1-Dichloroethane

Concen: 0.985 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

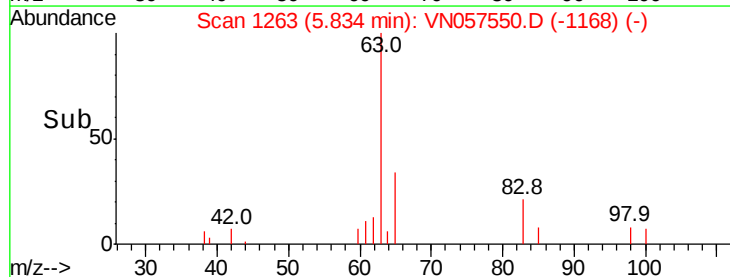
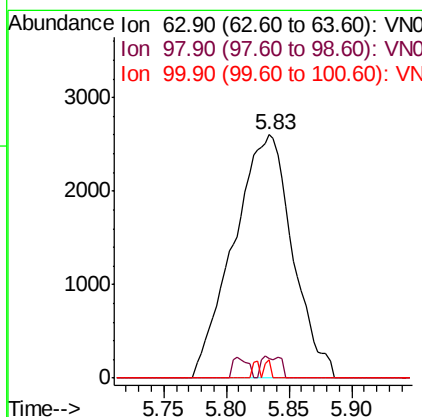
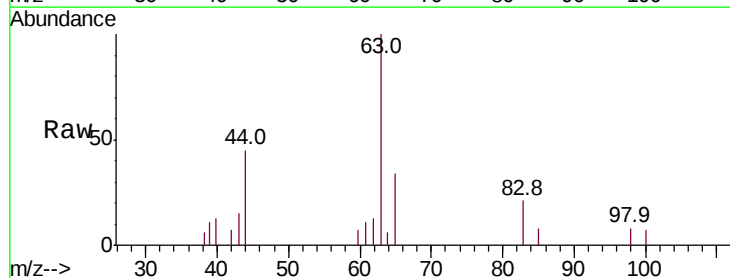
Tgt Ion: 63 Resp: 8484

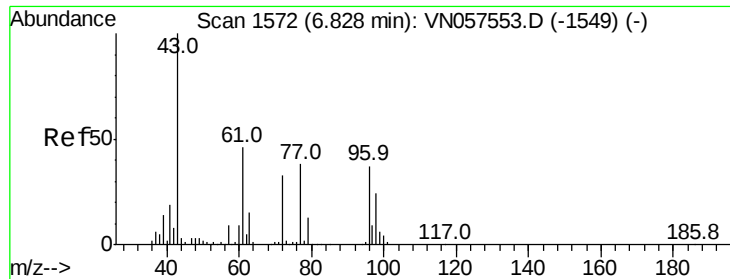
Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.6

100 7.3 2.1 6.3#





#25

2-Butanone

Concen: 4.938 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 10847

Ion Ratio Lower Upper

43 100

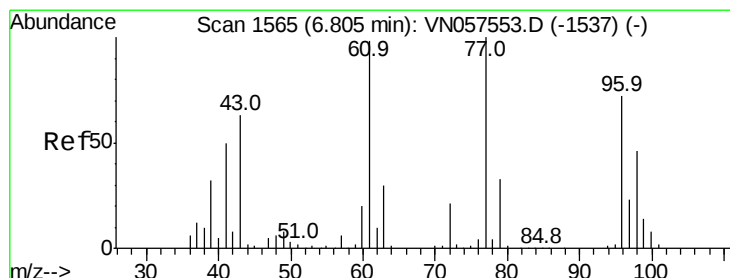
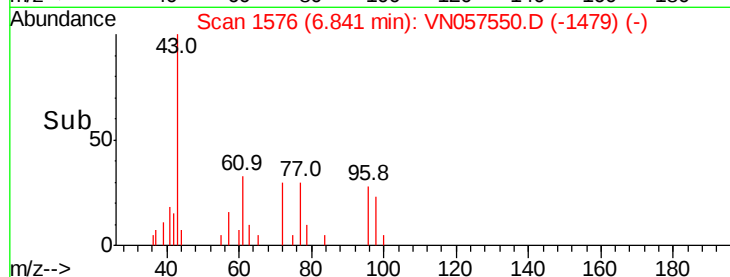
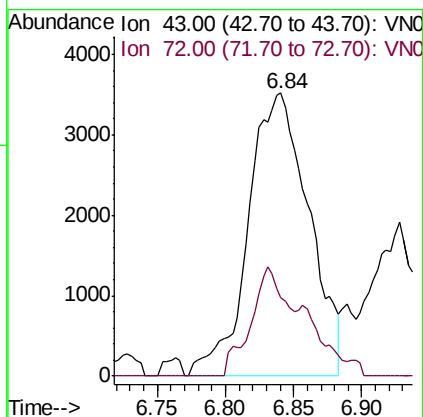
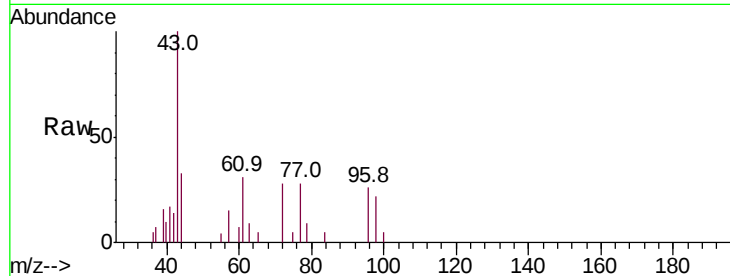
72 27.7 17.8 26.8#

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#26

2,2-Dichloropropane

Concen: 1.001 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN057550.D

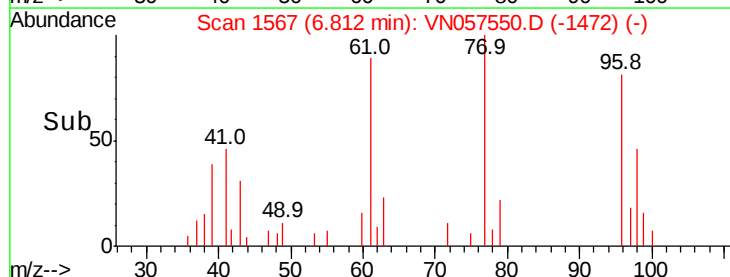
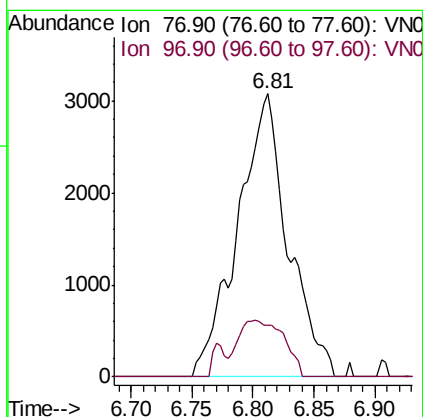
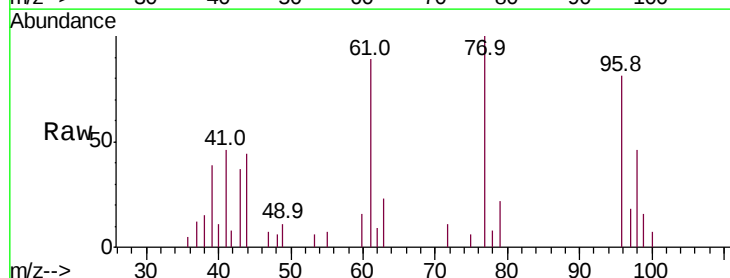
Acq: 29 Aug 2019 14:55

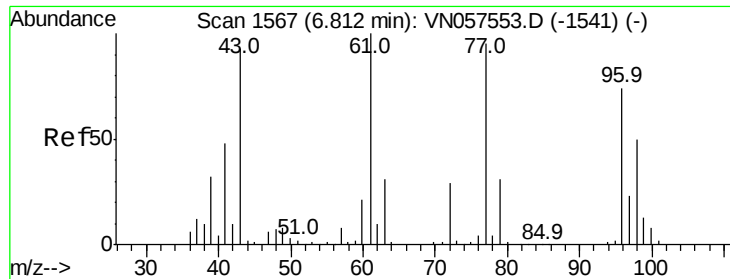
Tgt Ion: 77 Resp: 8796

Ion Ratio Lower Upper

77 100

97 18.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 0.990 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 5975

Ion Ratio Lower Upper

96 100

61 138.5 0.0 334.8

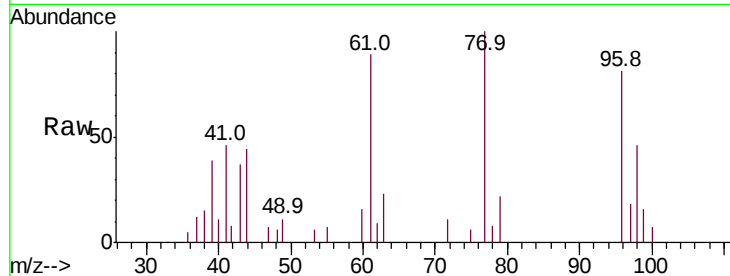
98 69.5 0.0 127.4

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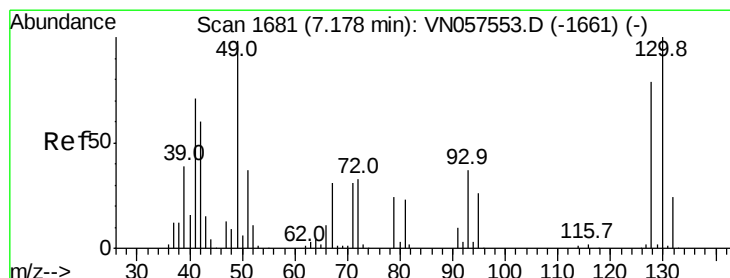
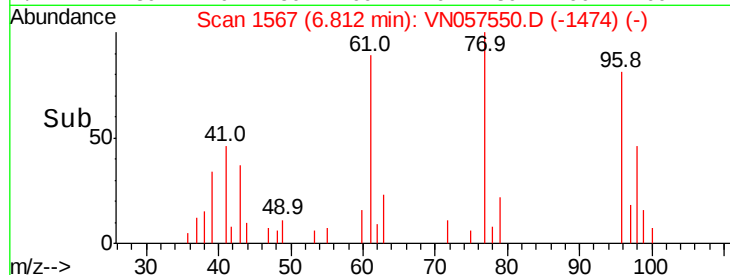
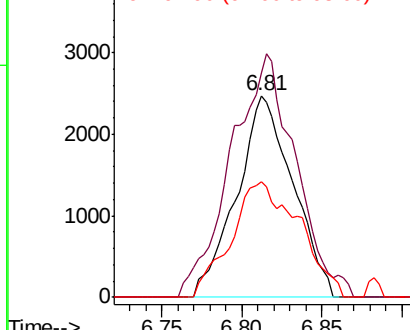
9/3/2019 2:38:39 AM



Abundance Ion 95.90 (95.60 to 96.60): VN057553.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN057553.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN057553.D (-1541) (-)



#28

Bromochloromethane

Concen: 0.835 ug/l m

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

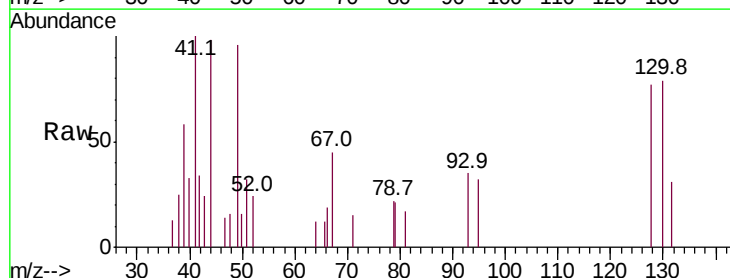
Tgt Ion: 49 Resp: 3022

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

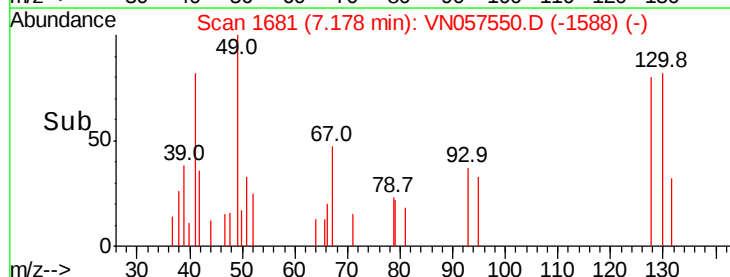
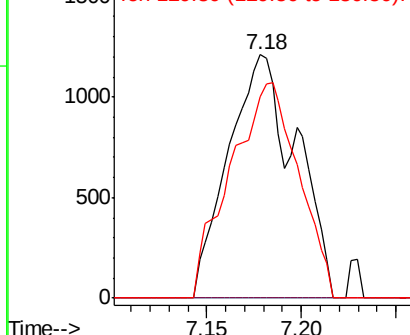
130 88.8 48.6 72.8#

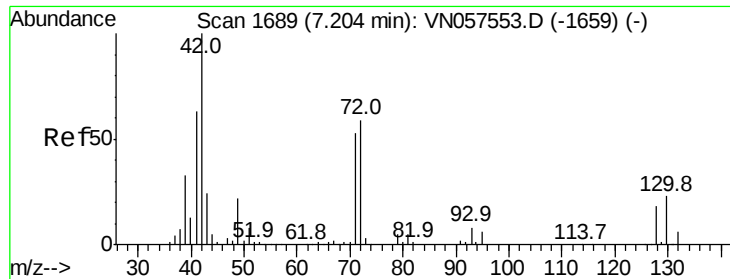


Abundance Ion 48.90 (48.60 to 49.60): VN057553.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN057553.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN057553.D (-1661) (-)





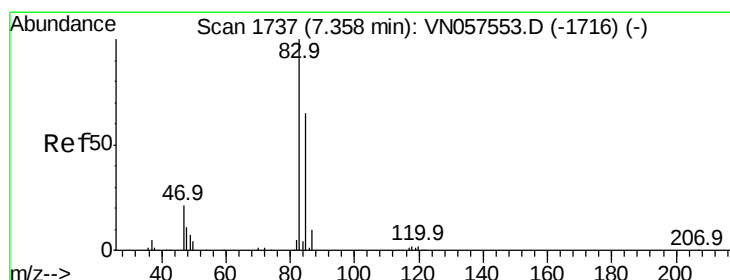
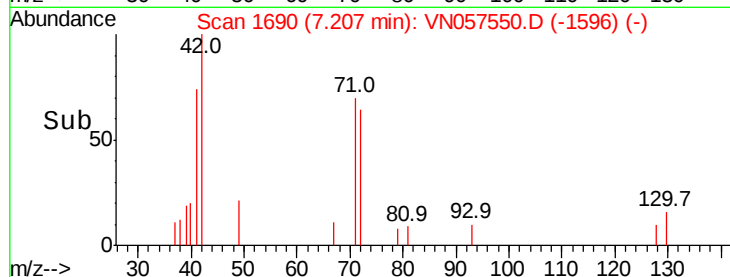
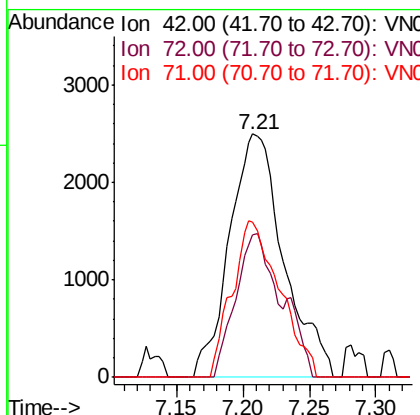
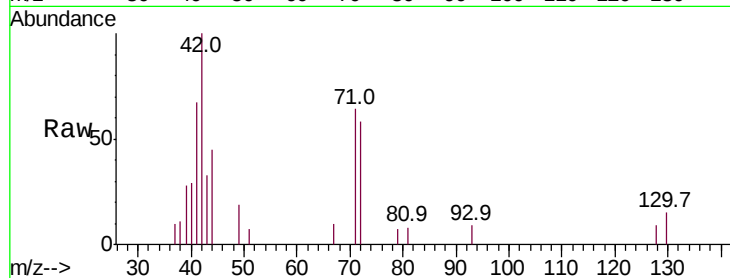
#29
Tetrahydrofuran
Concen: 5.183 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	30.1	45.1
71	56.1	28.8	43.2

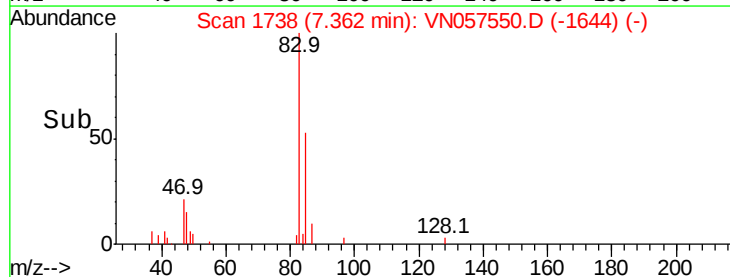
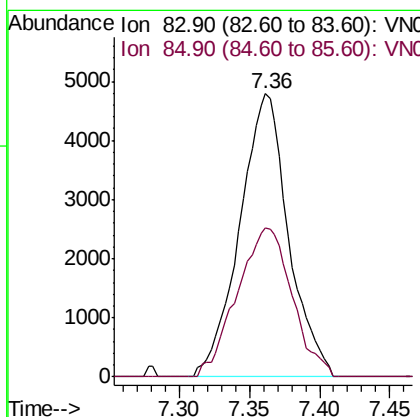
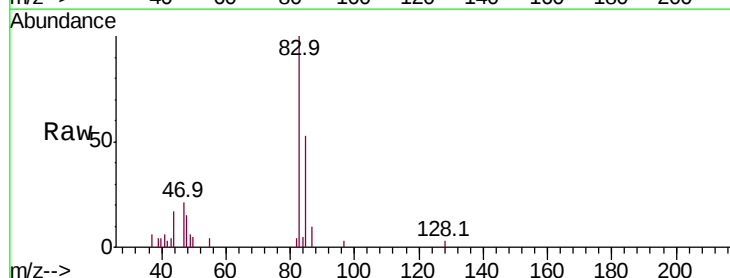
Manual Integrations
APPROVED

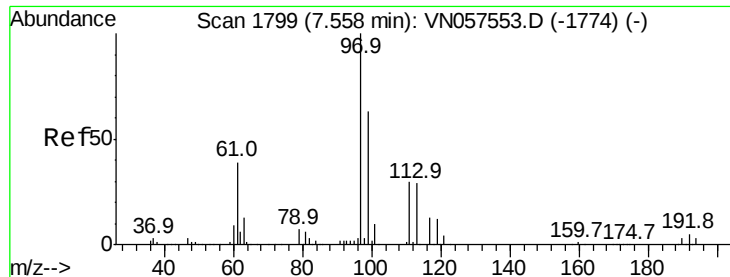
MMDadoda
9/3/2019 2:38:39 AM



#30
Chloroform
Concen: 1.083 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.5	51.9	77.9





#32

1,1,1-Trichloroethane

Concen: 0.944 ug/l m

RT: 7.56 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

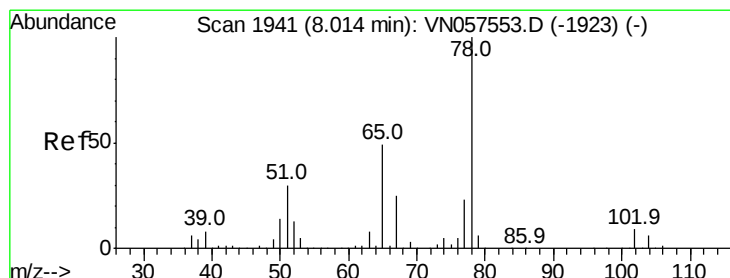
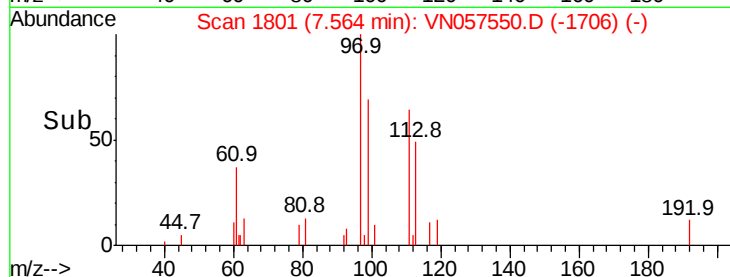
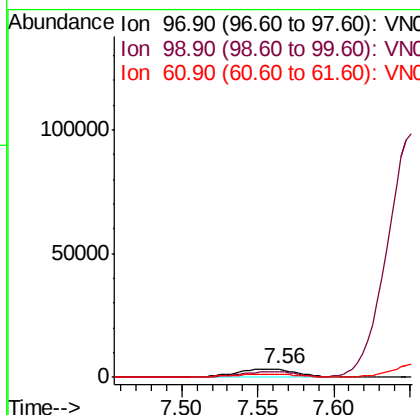
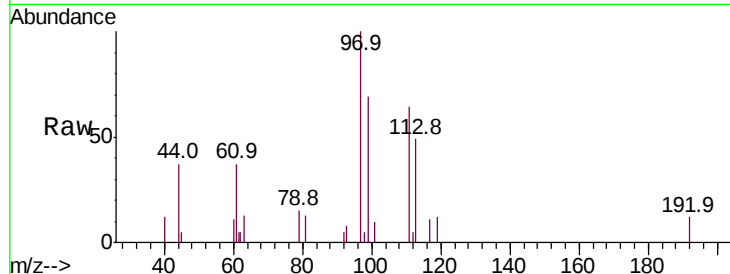
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	8964
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.0	76.6#
61	43.5	39.8	59.6

Manual Integrations
APPROVED

MMDadoda
9/3/2019 2:38:39 AM



#33

1,2-Dichloroethane-d4

Concen: 1.204 ug/l

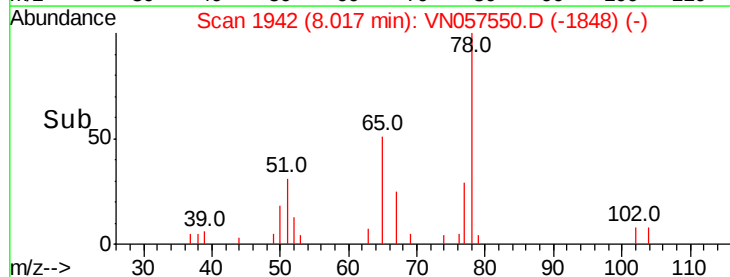
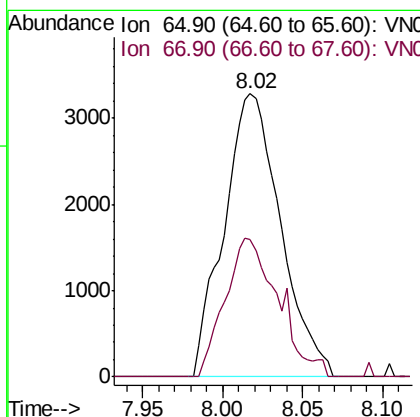
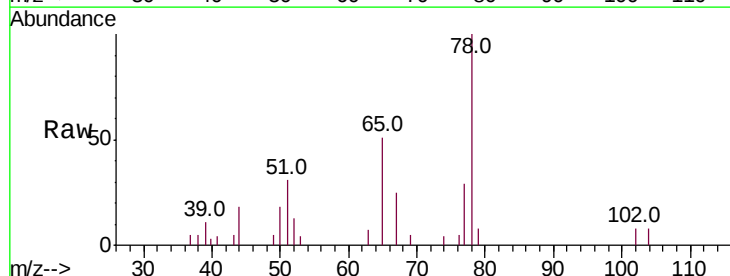
RT: 8.02 min Scan# 1942

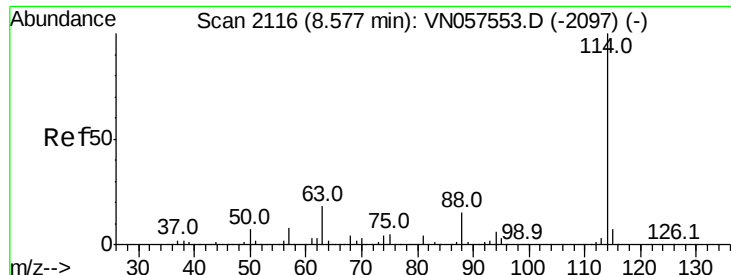
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	65	Resp:	7965
Ion	Ratio	Lower	Upper
65	100		
67	46.2	0.0	103.8





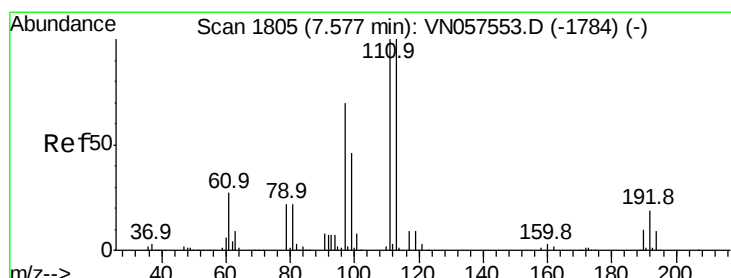
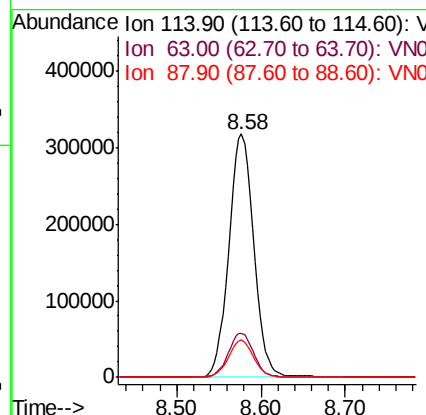
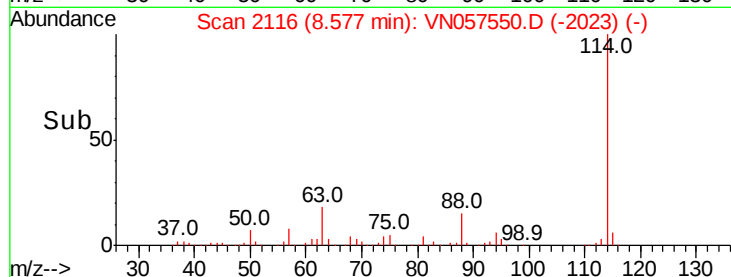
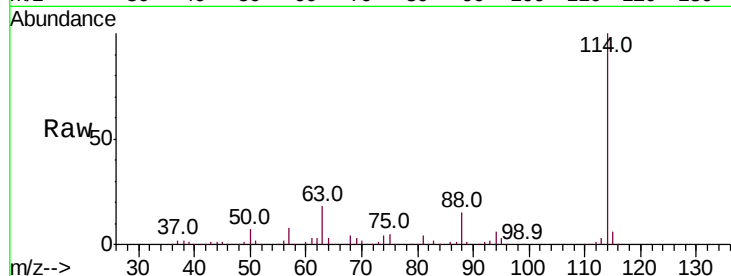
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
114	100	655911		
63	18.1	0.0	50.2	
88	15.2	0.0	34.6	

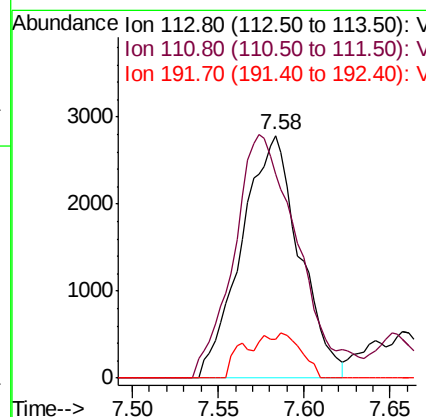
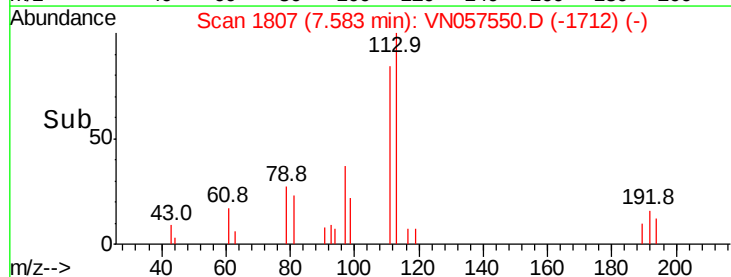
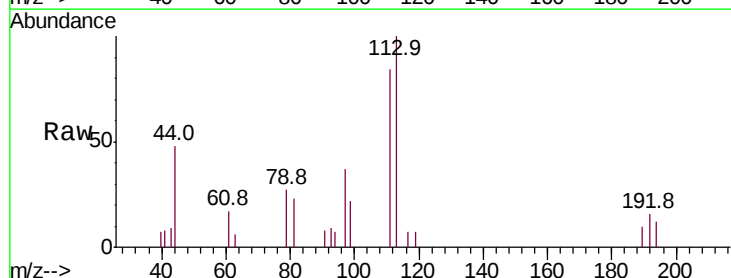
Manual Integrations
 APPROVED

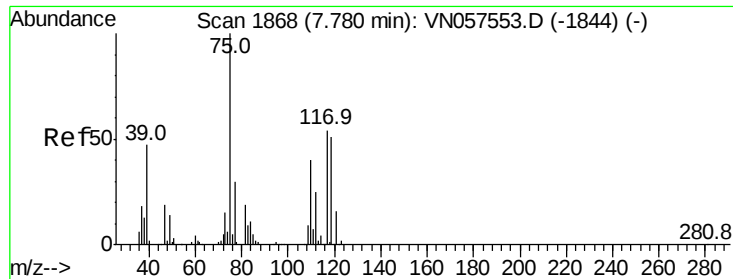
MMDadoda
 9/3/2019 2:38:39 AM



#35
 Dibromofluoromethane
 Concen: 1.148 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	6538		
111	111.6	83.8	125.6	
192	12.6	13.5	20.3#	





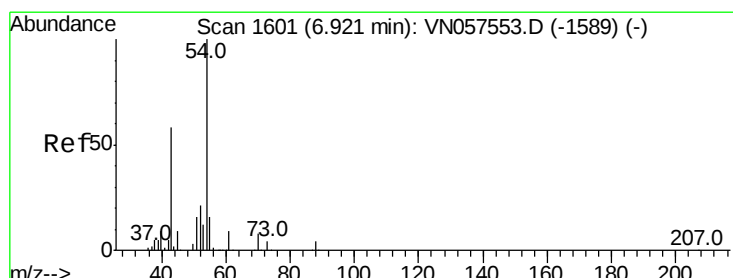
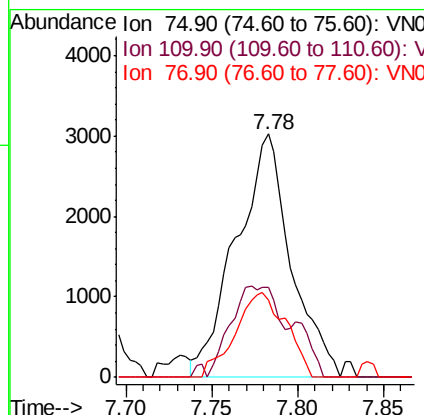
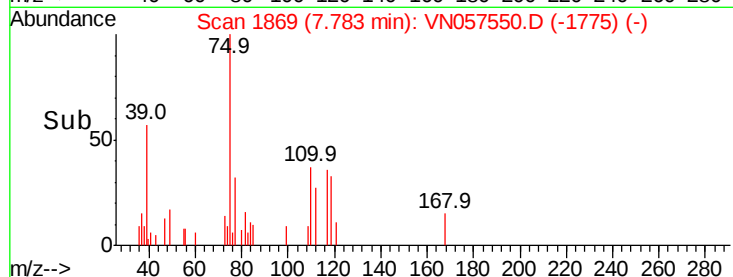
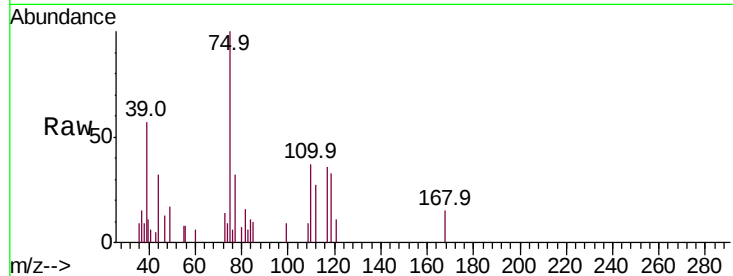
#36
 1,1-Dichloropropene
 Concen: 0.945 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.2	16.1	48.3
77	32.1	24.8	37.2

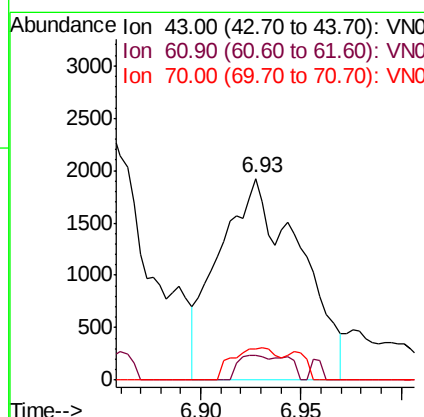
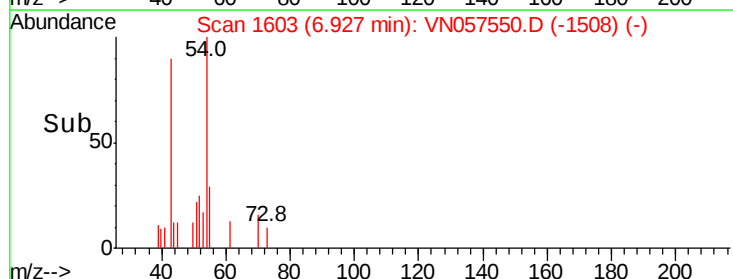
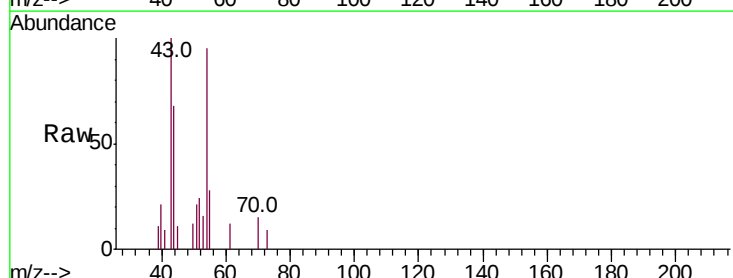
Manual Integrations
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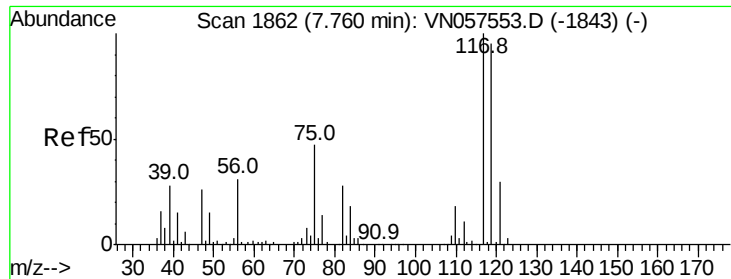
MMDadoda
 9/3/2019 2:38:39 AM



#37
 Ethyl Acetate
 Concen: 1.373 ug/l m
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.9	14.9#
70	8.9	7.0	10.6





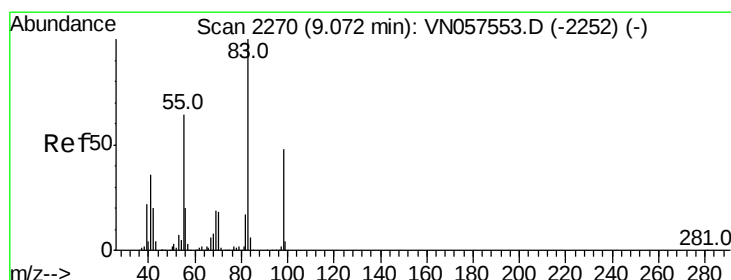
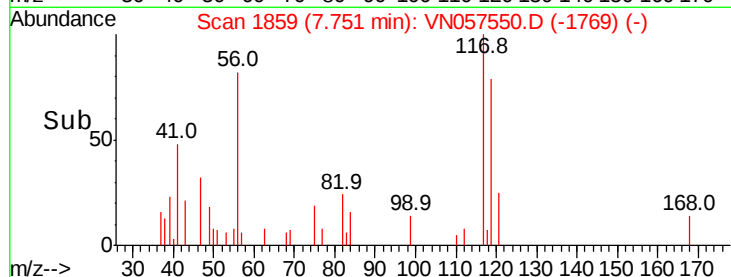
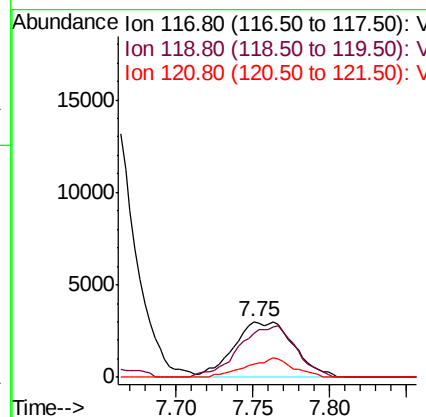
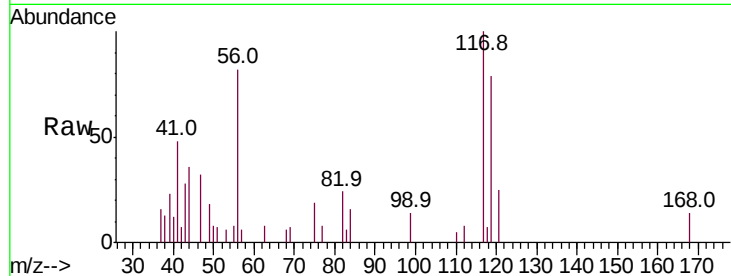
#38
Carbon Tetrachloride
Concen: 0.990 ug/l m
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	78.8	76.2	114.4
121	24.6	23.8	35.6

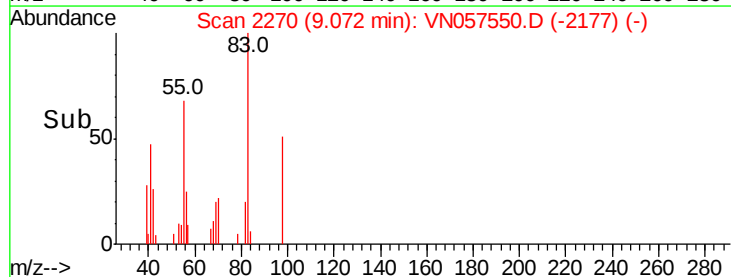
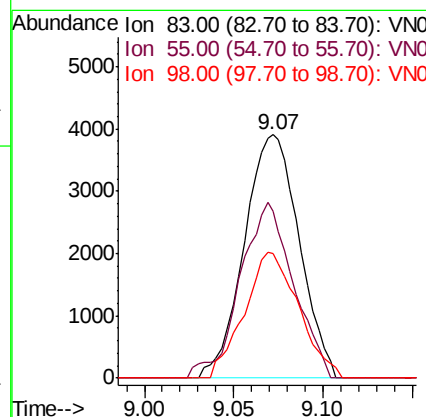
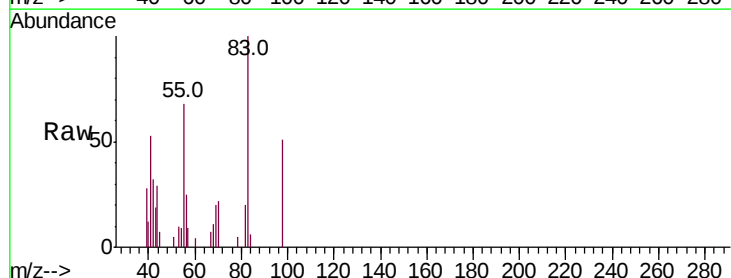
Manual Integrations
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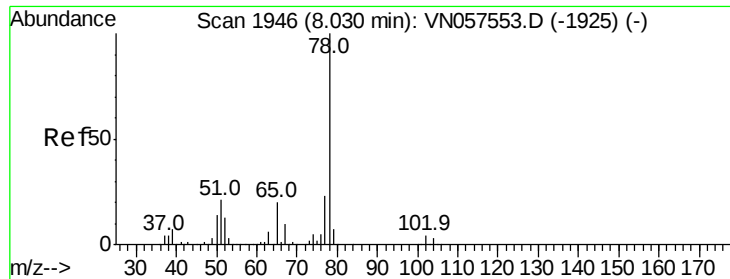
MMDadoda
9/3/2019 2:38:39 AM



#39
Methylcyclohexane
Concen: 0.930 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.4	68.6	102.8#
98	50.9	36.6	54.8





#40

Benzene

Concen: 0.981 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 21312

Ion Ratio Lower Upper

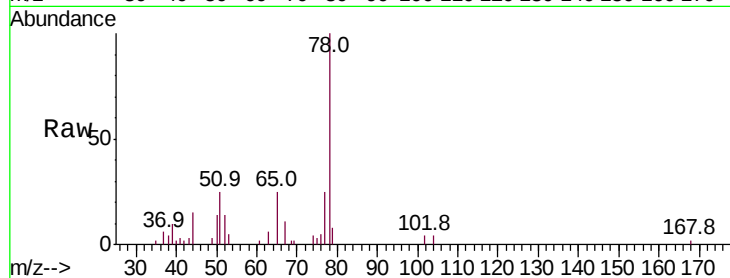
78 100

77 24.7 18.5 27.7

Manual Integrations
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9/3/2019 2:38:39 AM



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC

8.03

10000

8000

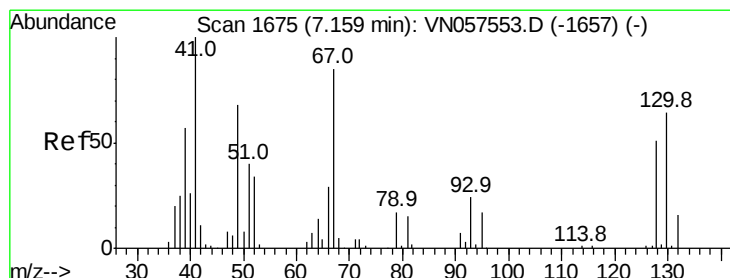
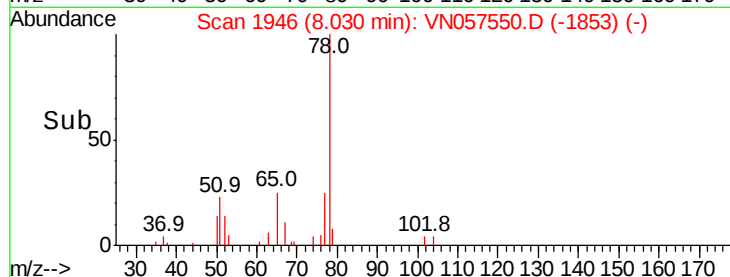
6000

4000

2000

0

Time-->



#41

Methacrylonitrile

Concen: 0.943 ug/l m

RT: 7.19 min Scan# 1684

Delta R.T. 0.03 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion: 41 Resp: 3194

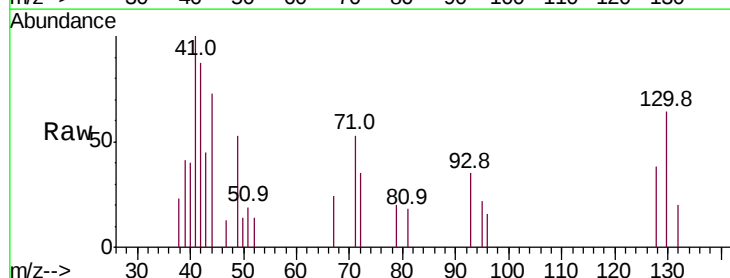
Ion Ratio Lower Upper

41 100

39 19.1 53.6 80.4#

67 48.2 65.4 98.2#

52 24.5 29.8 44.6#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

2500

2000

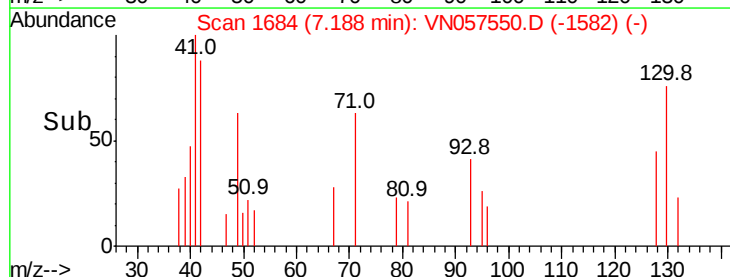
1500

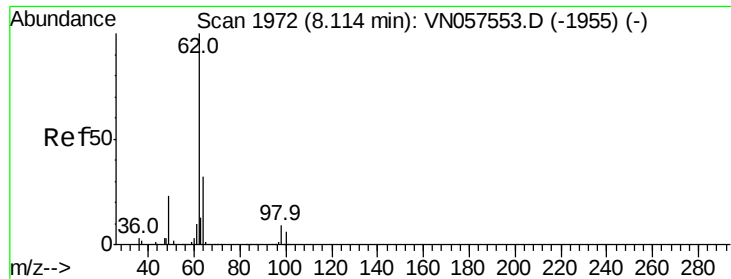
1000

500

0

Time-->





#42

1,2-Dichloroethane

Concen: 1.014 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 7840

Ion Ratio Lower Upper

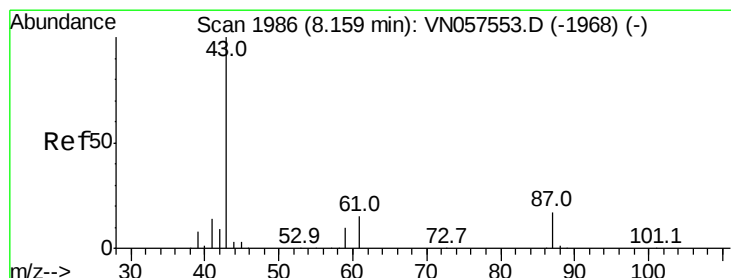
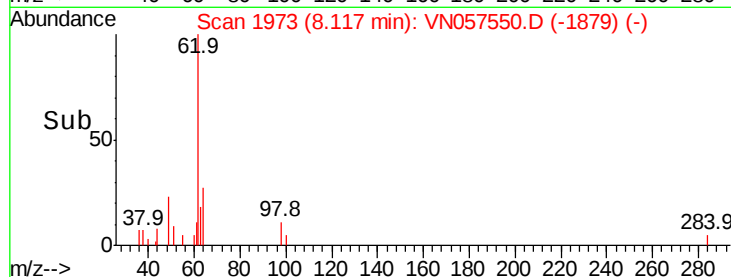
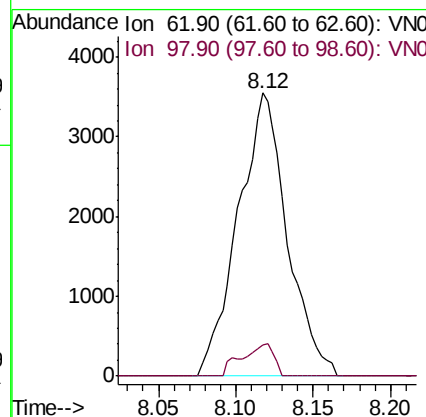
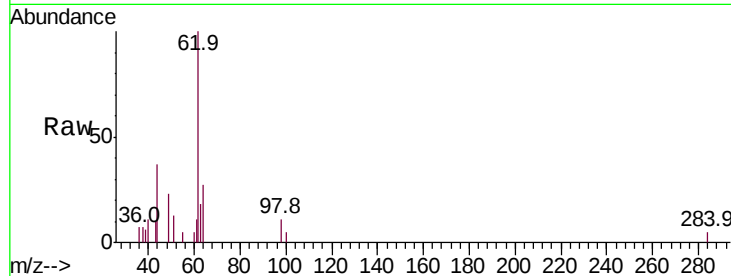
62 100

98 7.4 0.0 15.4

Manual Integrations
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MMDadoda

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#43

Isopropyl Acetate

Concen: 1.054 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

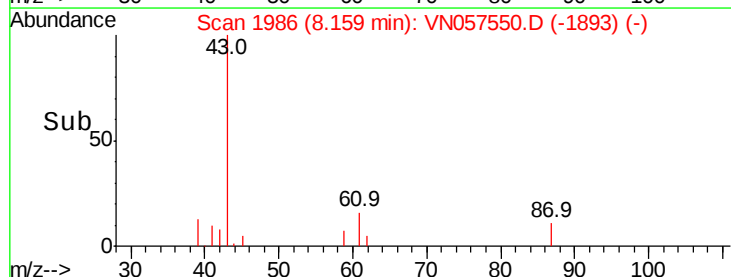
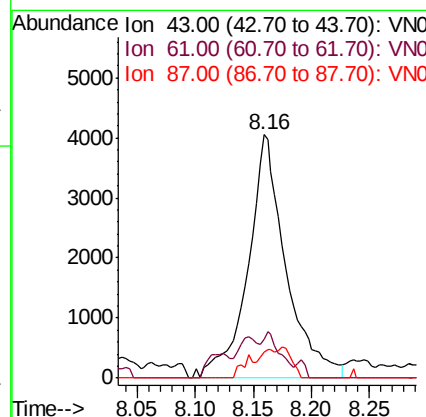
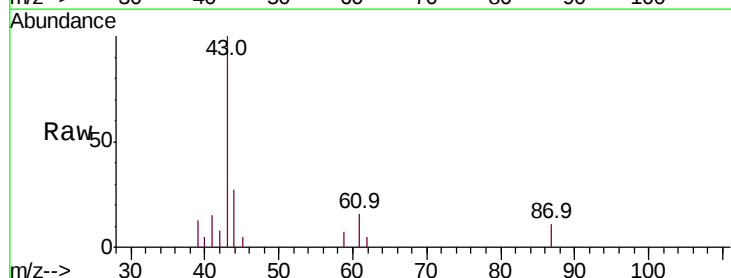
Tgt Ion: 43 Resp: 9252

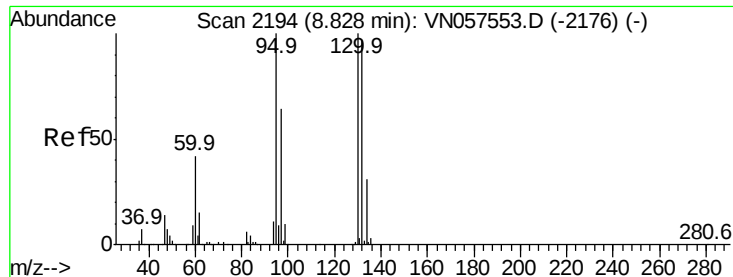
Ion Ratio Lower Upper

43 100

61 8.9 14.5 21.7#

87 1.9 8.6 12.8#





#44

Trichloroethene

Concen: 0.924 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5547

Ion Ratio Lower Upper

130 100

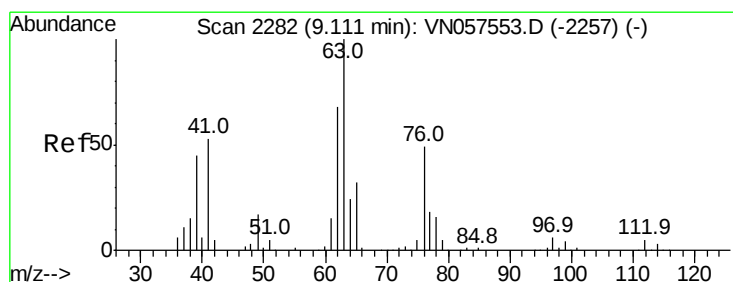
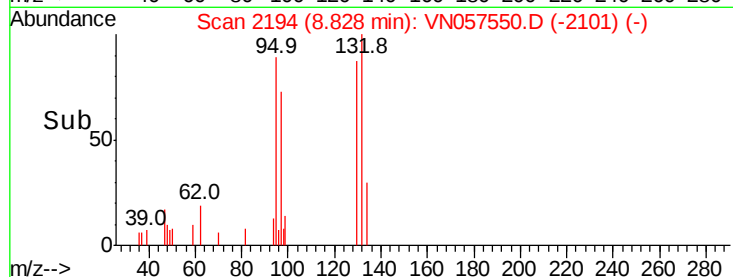
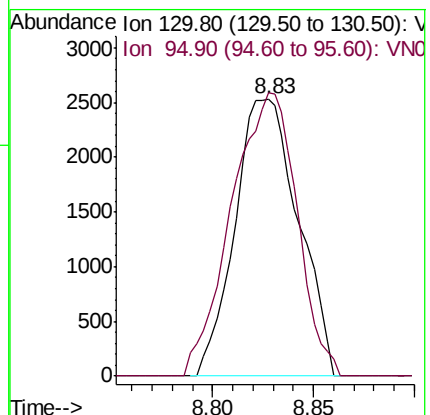
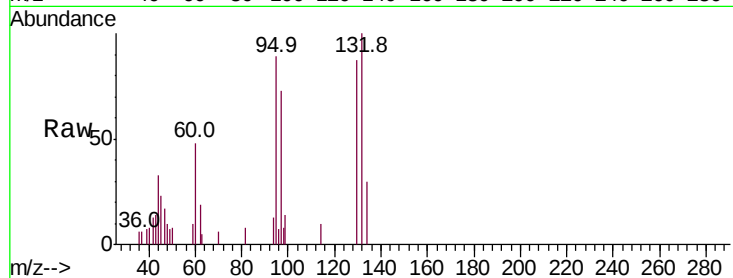
95 102.1 0.0 231.6

Manual Integrations

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#45

1,2-Dichloropropane

Concen: 1.013 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057550.D

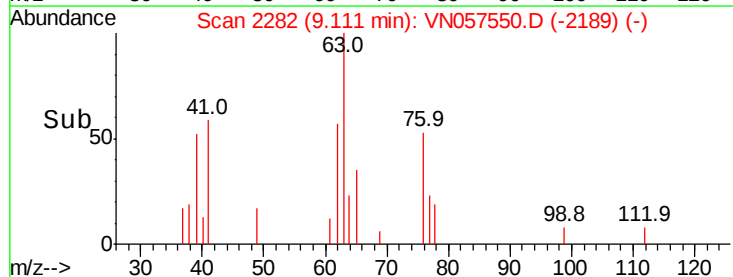
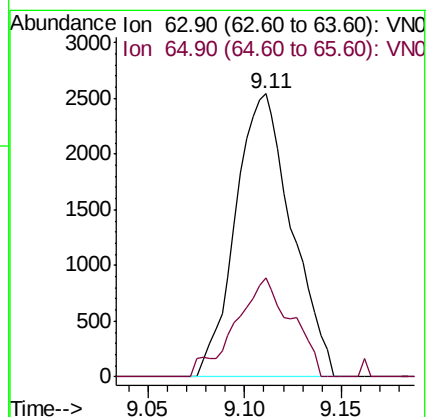
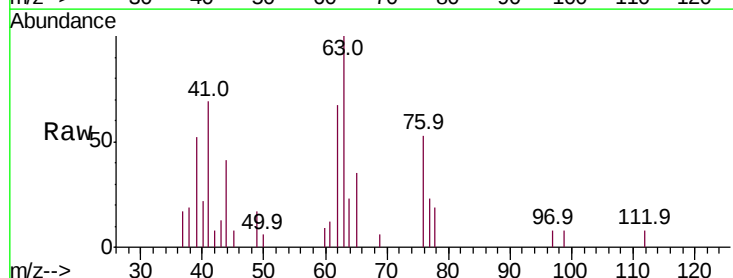
Acq: 29 Aug 2019 14:55

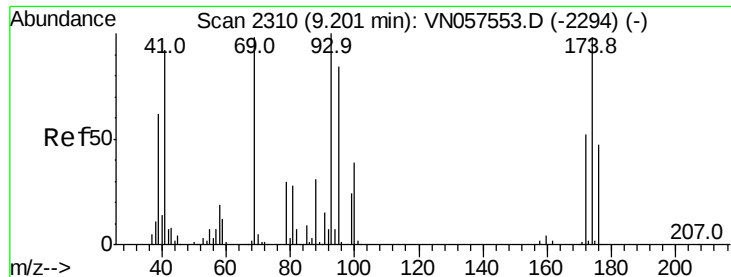
Tgt Ion: 63 Resp: 5144

Ion Ratio Lower Upper

63 100

65 35.0 24.7 37.1





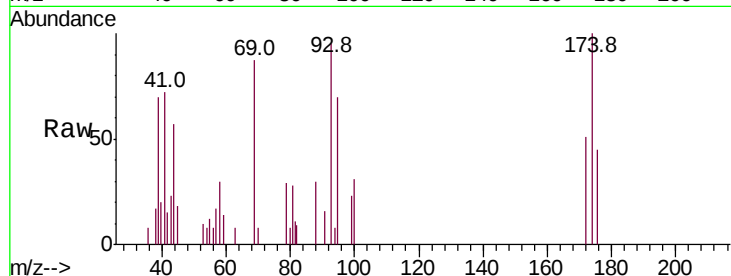
#46
Dibromomethane
Concen: 0.997 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

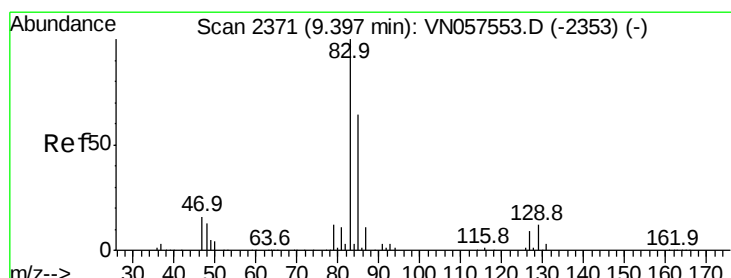
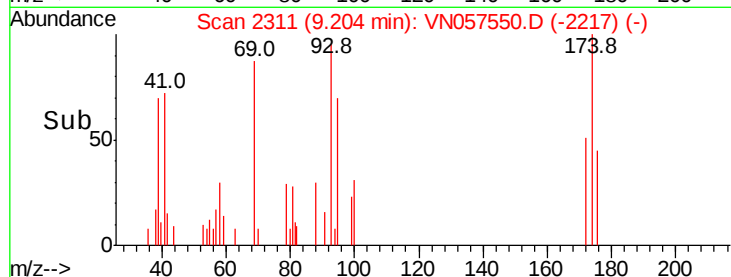
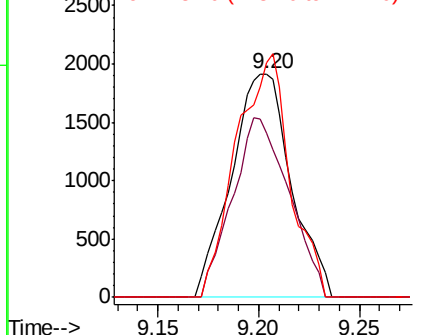
Tot Ion	Ratio	Lower	Upper
93	100		
95	76.0	64.7	97.1
174	97.3	62.3	93.5#

Manual Integrations
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MMDadoda
9/3/2019 2:38:39 AM

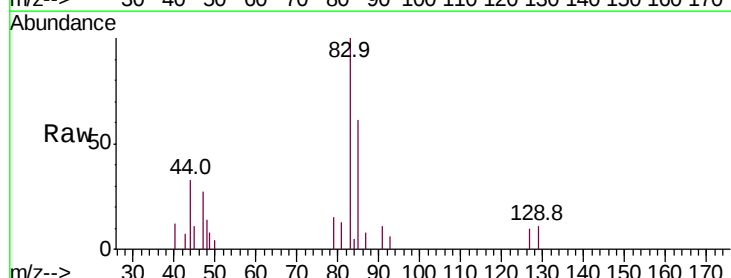


Abundance Ion 92.80 (92.50 to 93.50): VN057553.D (-2294) (-)

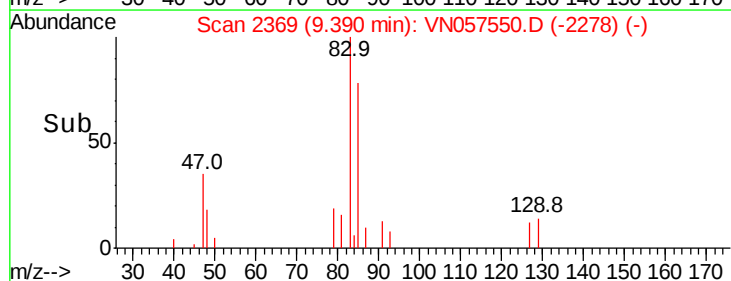
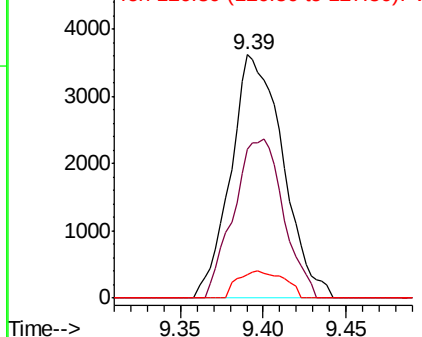


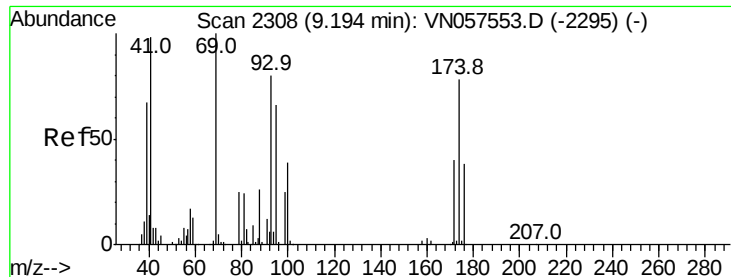
#47
Bromodichloromethane
Concen: 0.965 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.3	51.2	76.8
127	9.8	6.6	10.0



Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-2353) (-)





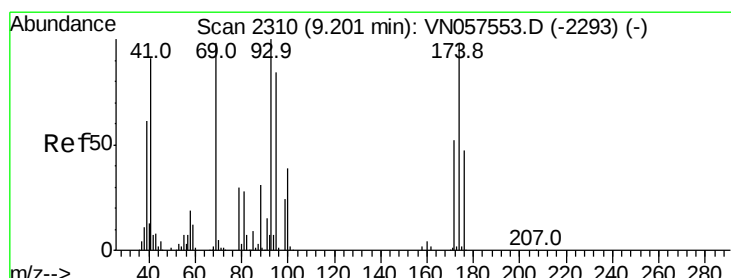
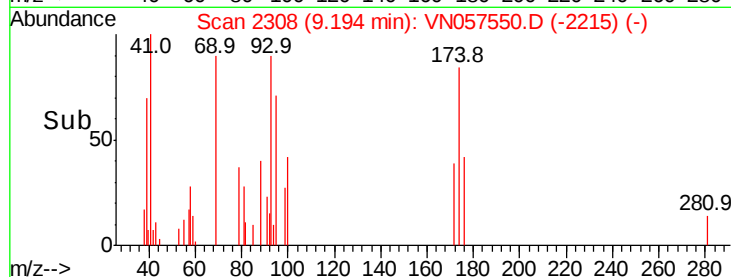
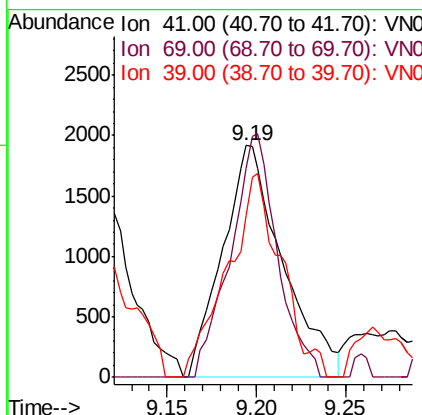
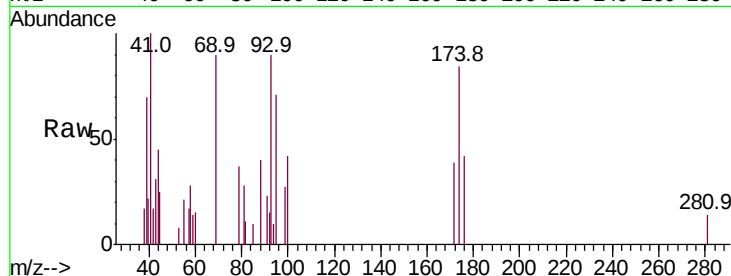
#48
Methvl methacrylate
Concen: 1.086 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	81.7	59.3	88.9
39	78.5	50.6	75.8#

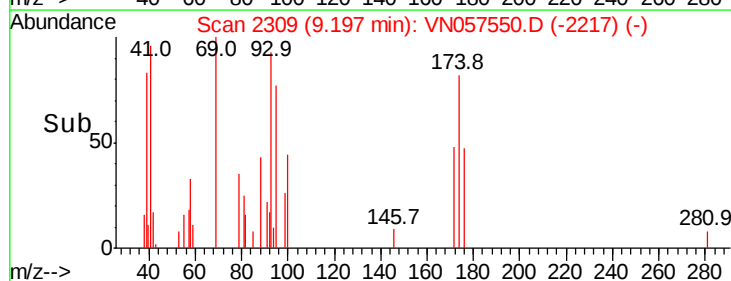
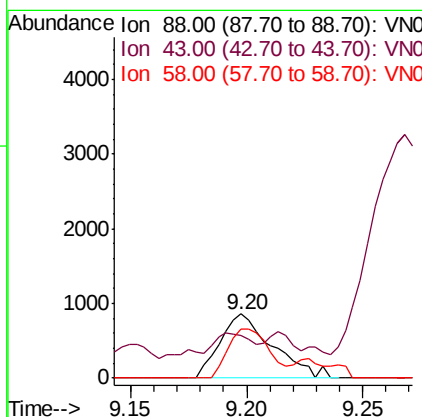
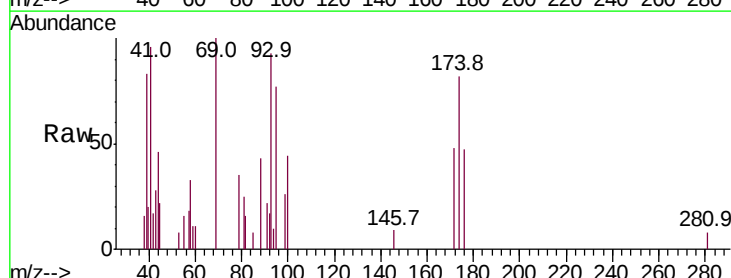
Manual Integrations
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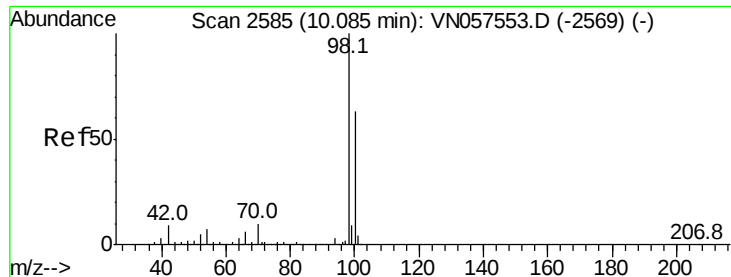
MMDadoda
9/3/2019 2:38:39 AM



#49
1,4-Dioxane
Concen: 17.665 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.0	31.0	46.6
58	60.2	64.5	96.7#





#50

Toluene-d8

Concen: 0.983 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 98 Resp: 20447

Ion Ratio Lower Upper

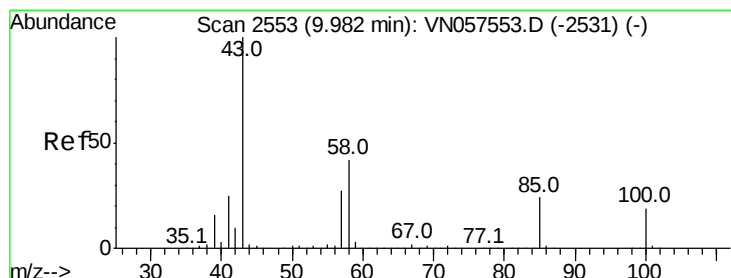
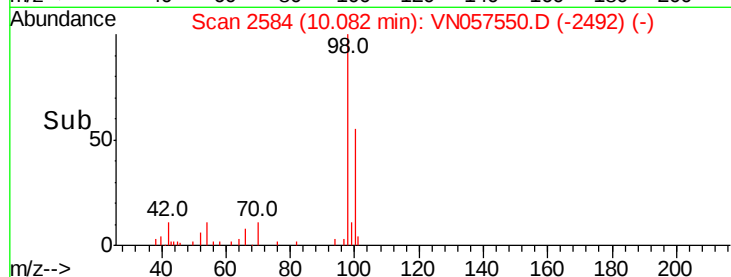
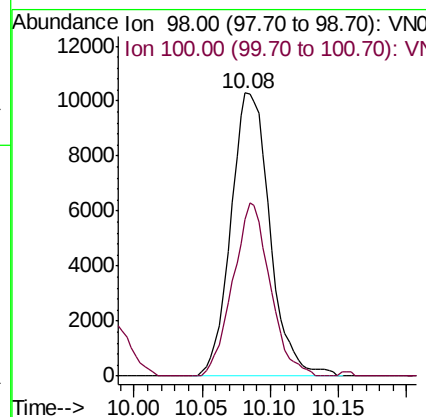
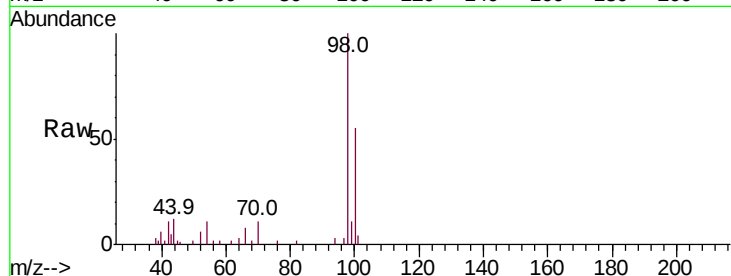
98 100

100 58.4 50.4 75.6

Manual Integrations
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MMDadoda

9/3/2019 2:38:39 AM



#51

4-Methyl-2-Pentanone

Concen: 4.631 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057550.D

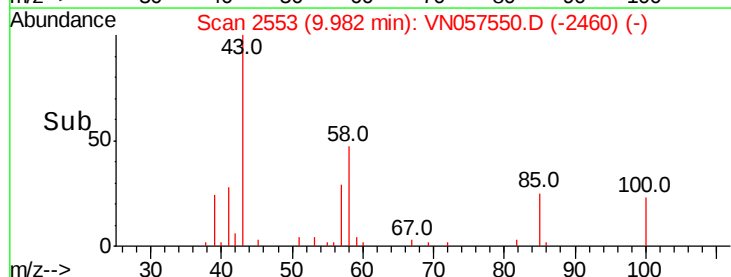
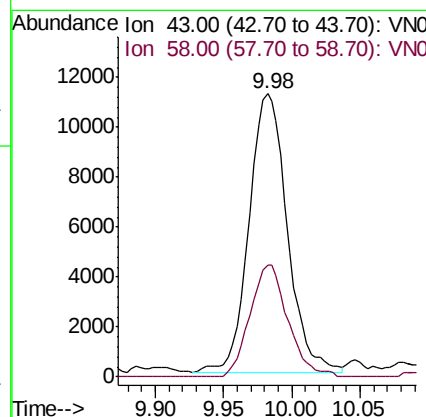
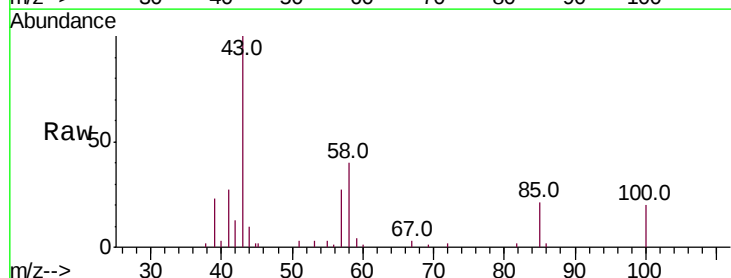
Acq: 29 Aug 2019 14:55

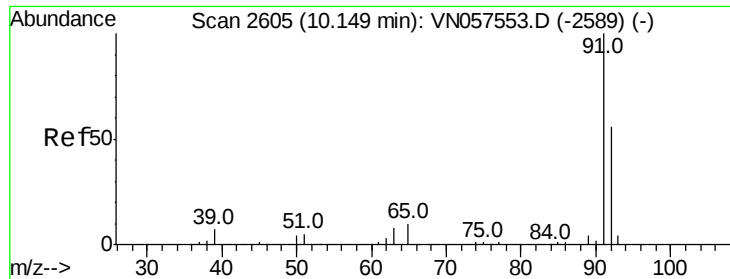
Tgt Ion: 43 Resp: 21719

Ion Ratio Lower Upper

43 100

58 39.8 27.9 41.9





#52

Toluene

Concen: 0.904 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 12724

Ion Ratio Lower Upper

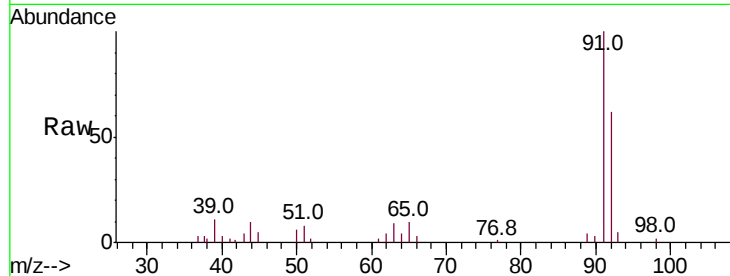
92 100

91 176.1 140.9 211.3

Manual Integrations
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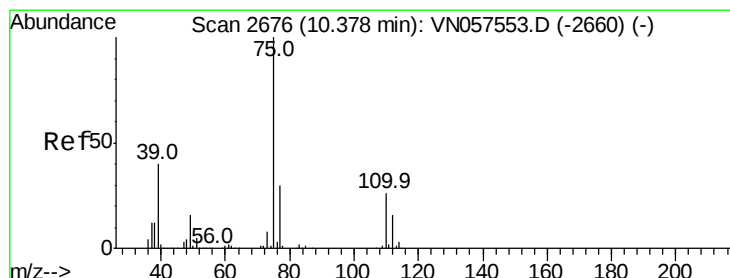
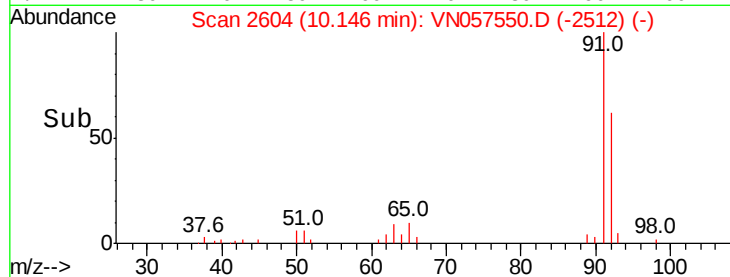
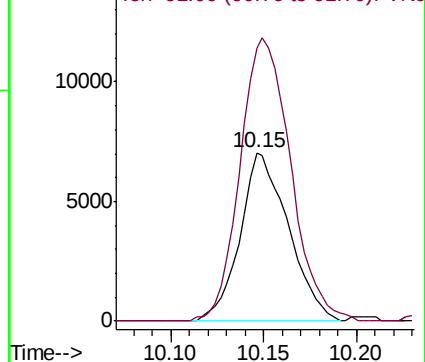
MMDadoda

9/3/2019 2:38:39 AM



Abundance Ion 92.00 (91.70 to 92.70): VN057550.D

Ion 91.00 (90.70 to 91.70): VN057550.D



#53

t-1,3-Dichloropropene

Concen: 0.910 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057550.D

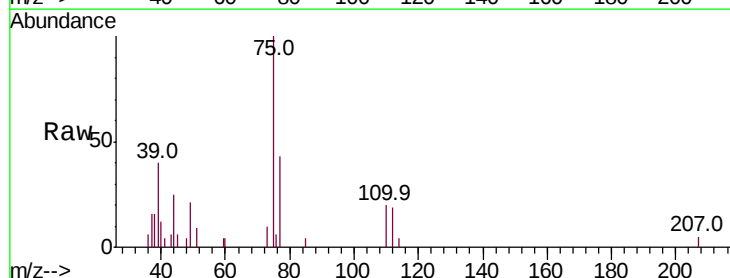
Acq: 29 Aug 2019 14:55

Tgt Ion: 75 Resp: 7219

Ion Ratio Lower Upper

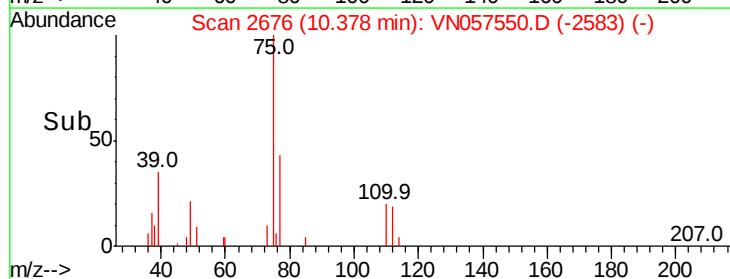
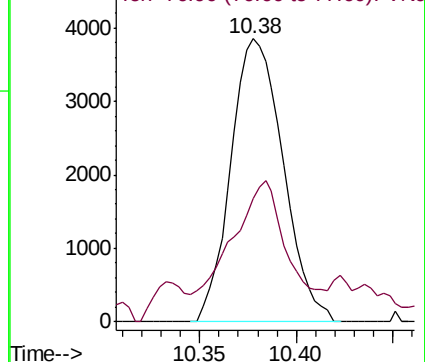
75 100

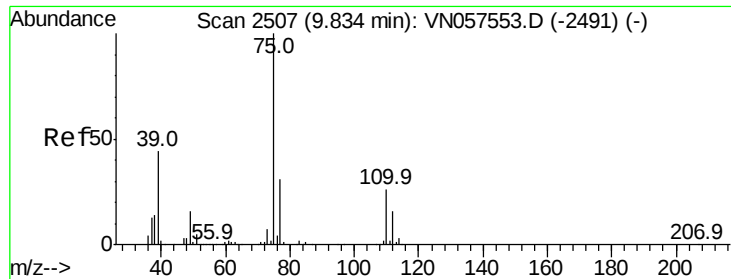
77 33.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN057550.D

Ion 76.90 (76.60 to 77.60): VN057550.D





#54

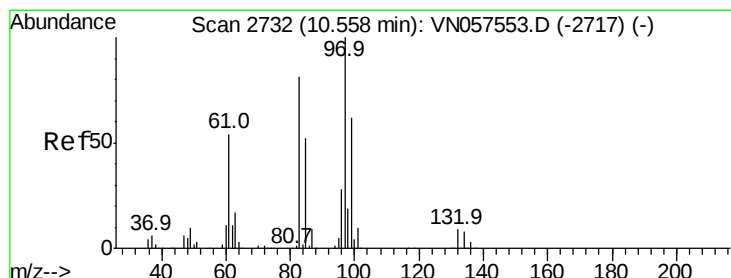
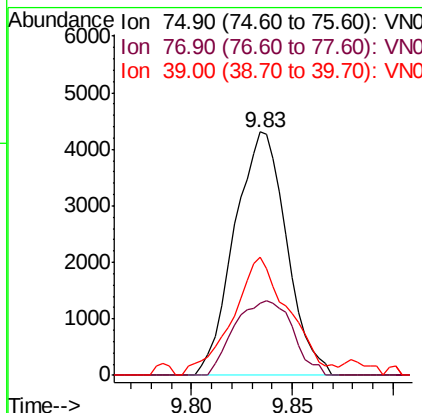
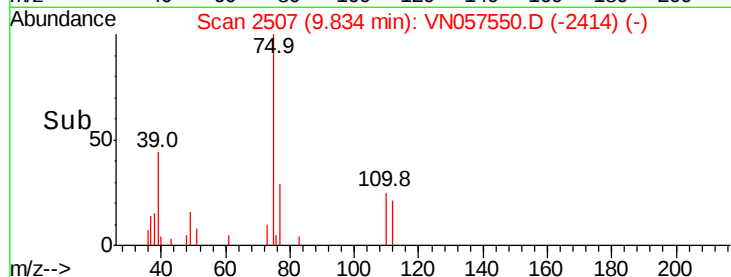
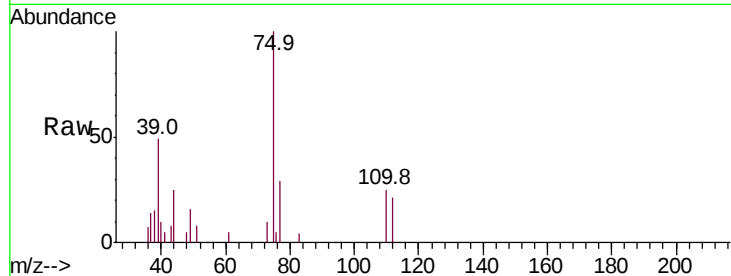
cis-1,3-Dichloropropene
 Concen: 0.905 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.0	37.6
39	45.0	49.2	73.8#

Manual Integrations
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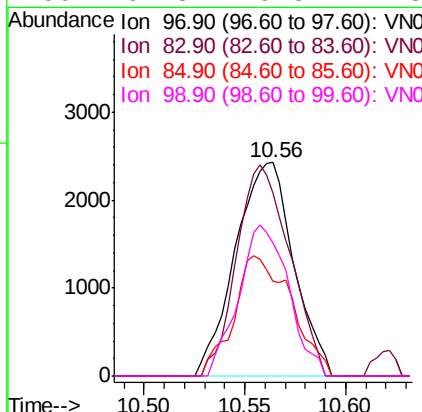
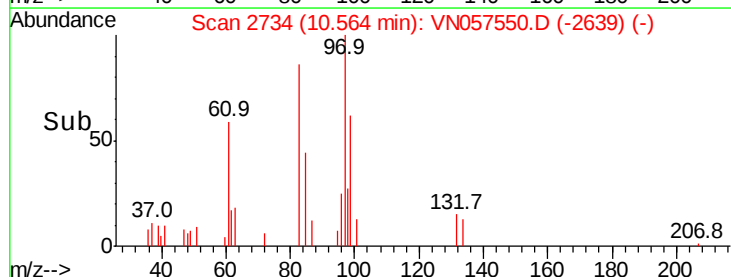
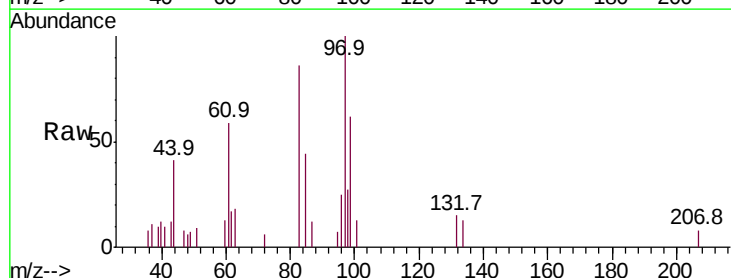
MMDadoda
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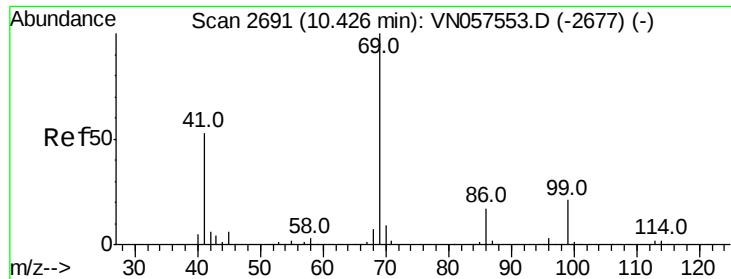


#55

1,1,2-Trichloroethane
 Concen: 0.905 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	73.7	110.5
85	44.3	46.8	70.2#
99	62.3	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.896 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

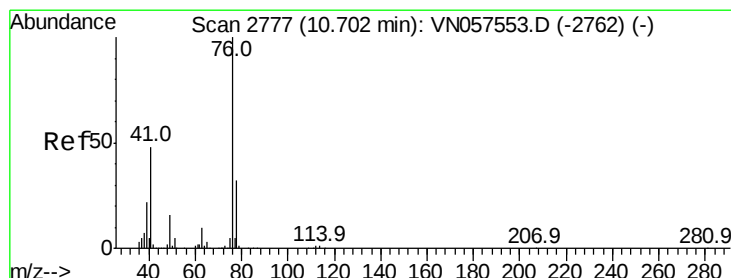
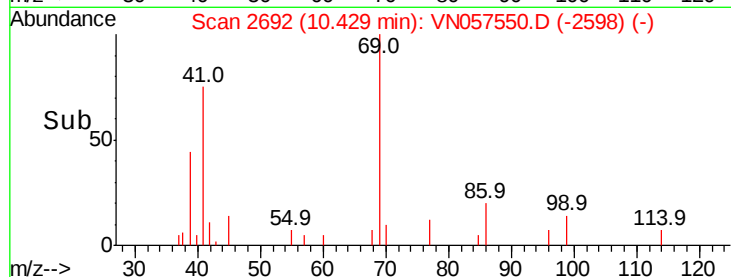
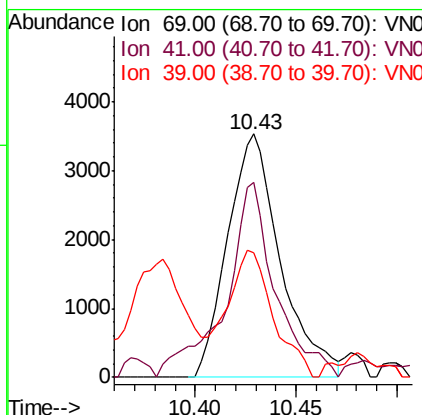
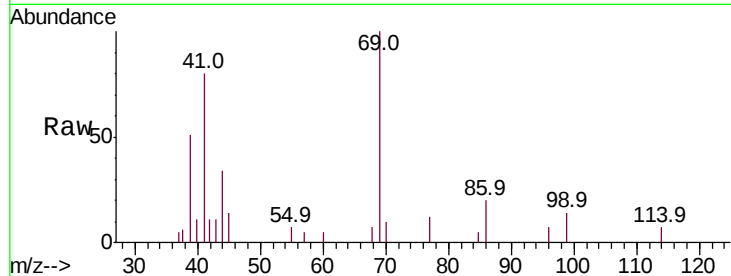
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	6460
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.8	91.2
39	45.2	36.5	54.7

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.956 ug/l

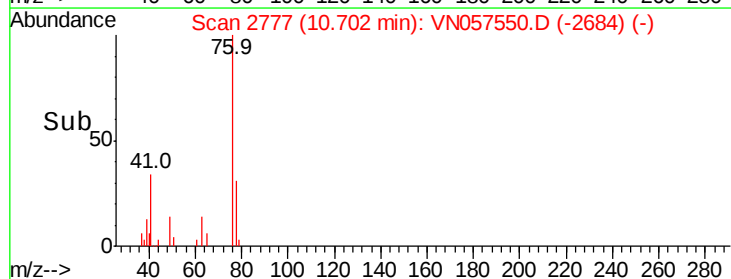
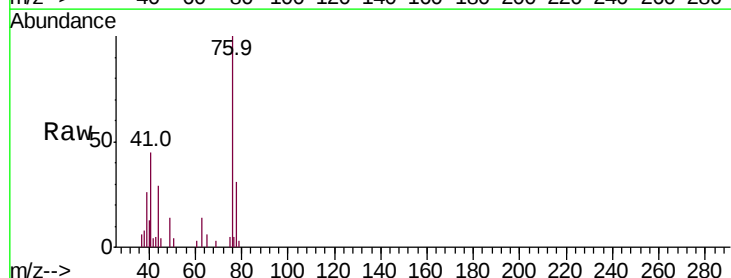
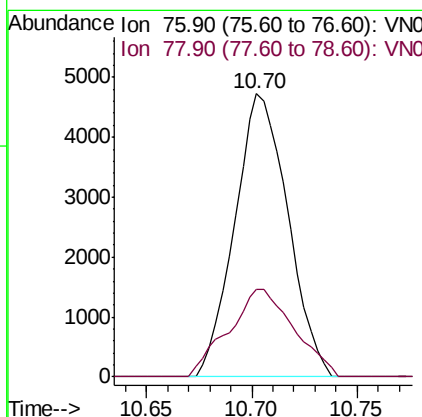
RT: 10.70 min Scan# 2777

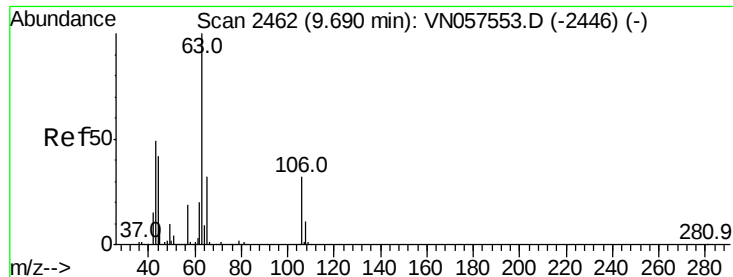
Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	76	Resp:	8268
Ion	Ratio	Lower	Upper
76	100		
78	38.2	25.5	38.3





#58

2-Chloroethyl Vinyl ether

Concen: 3.802 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 6429

Ion Ratio Lower Upper

63 100

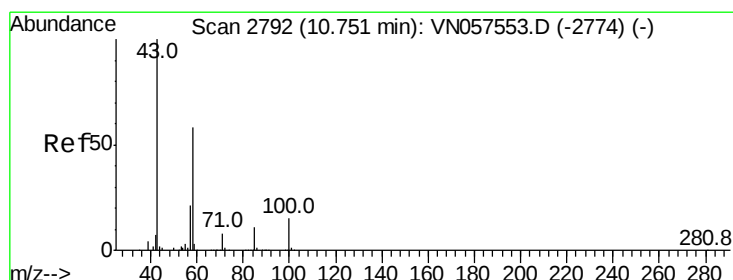
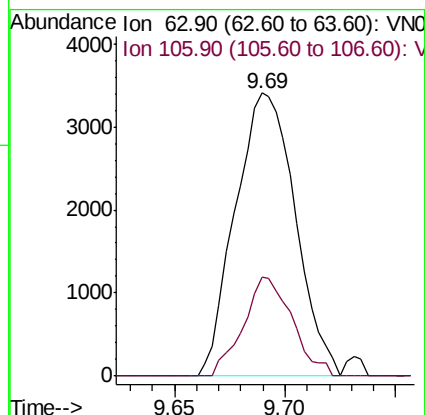
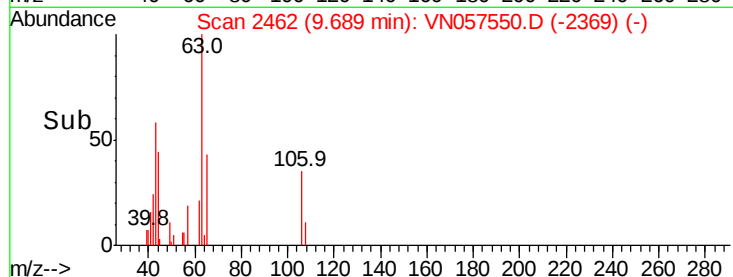
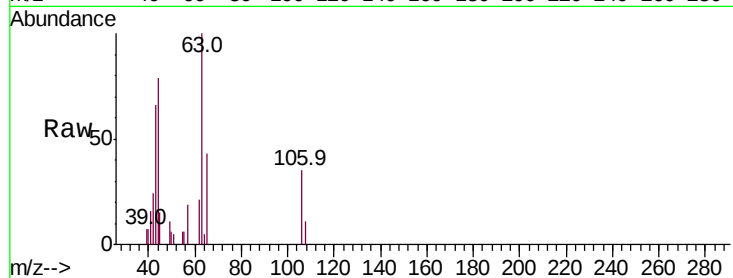
106 28.5 18.6 27.8#

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#59

2-Hexanone

Concen: 4.732 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN057550.D

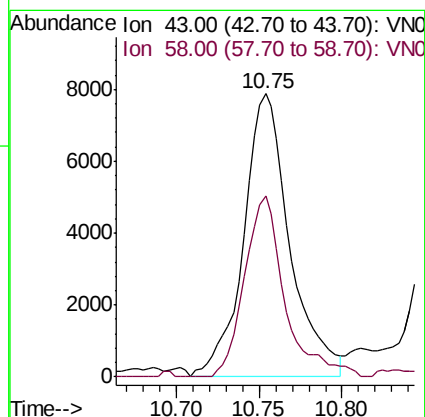
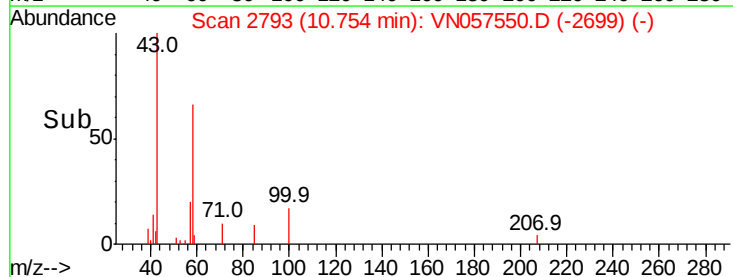
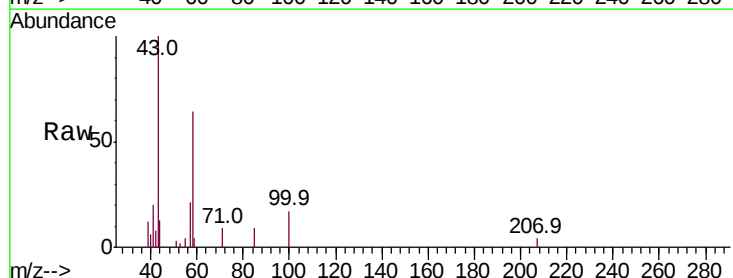
Acq: 29 Aug 2019 14:55

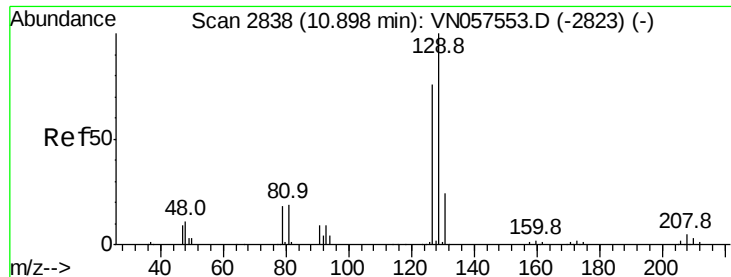
Tgt Ion: 43 Resp: 15320

Ion Ratio Lower Upper

43 100

58 55.6 24.6 73.6





#60

Dibromochloromethane

Concen: 0.824 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 5091

Ion Ratio Lower Upper

129 100

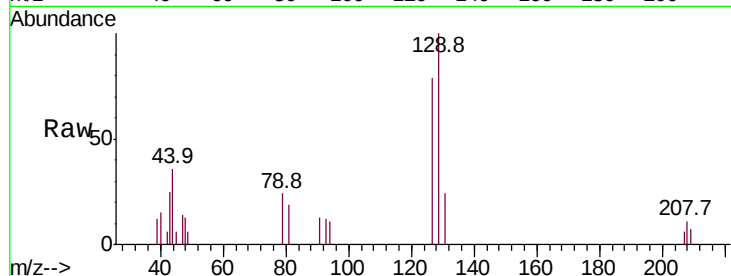
127 80.5 39.0 116.9

Manual Integrations

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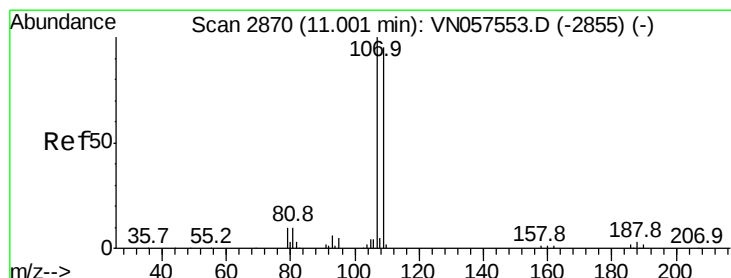
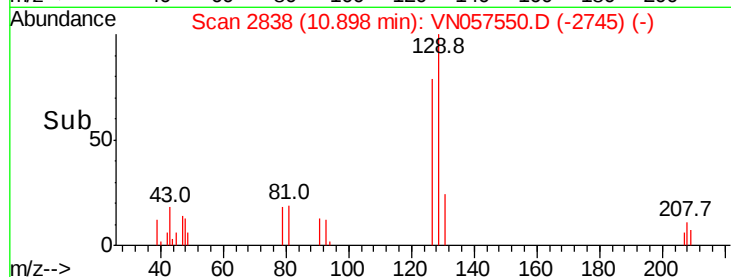
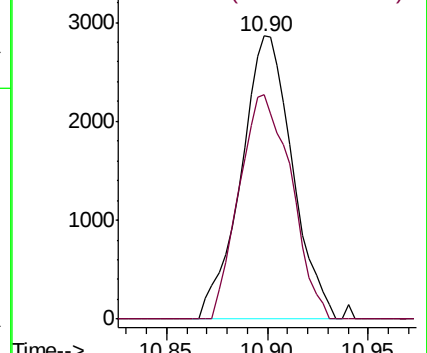
MMDadoda

9/3/2019 2:38:39 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.896 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057550.D

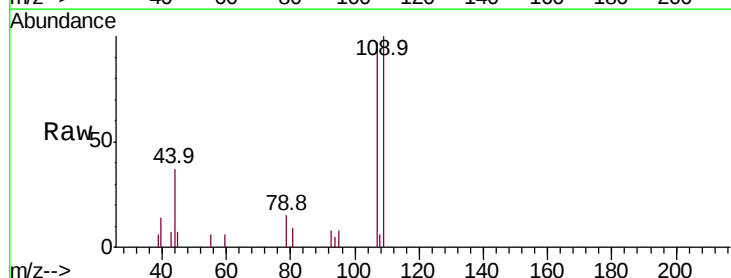
Acq: 29 Aug 2019 14:55

Tgt Ion:107 Resp: 5079

Ion Ratio Lower Upper

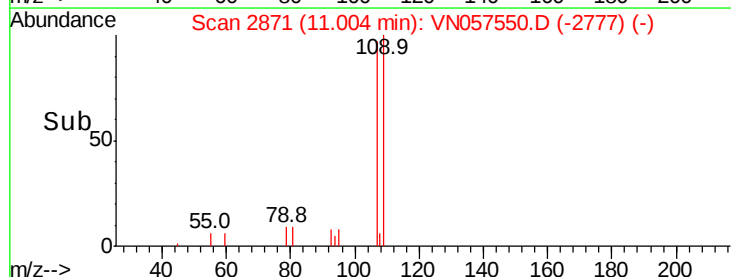
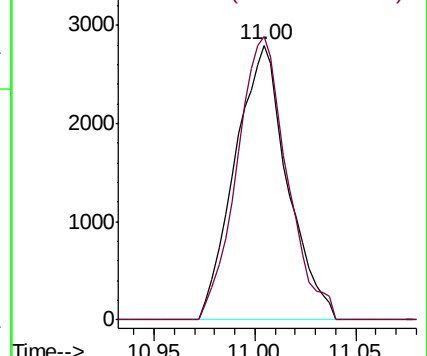
107 100

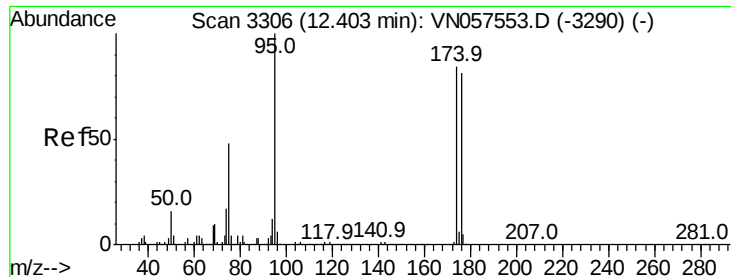
109 98.7 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





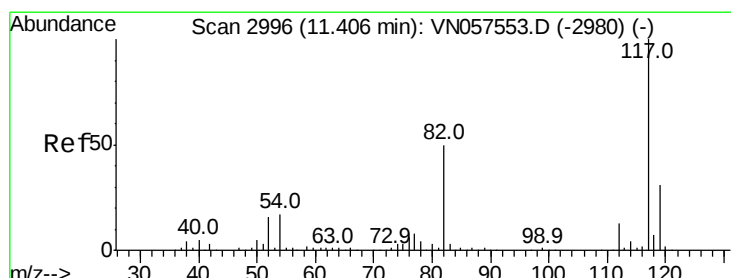
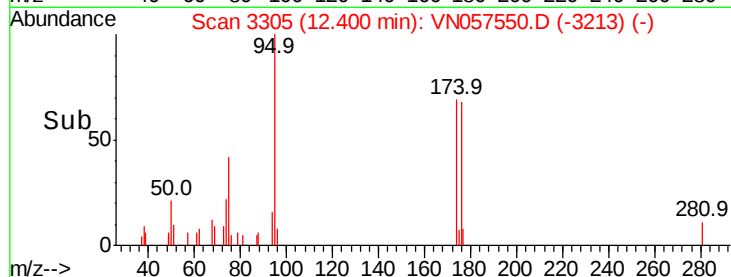
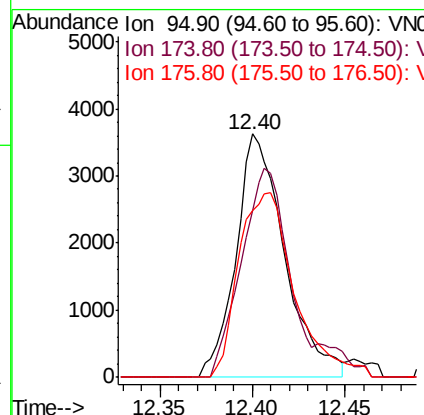
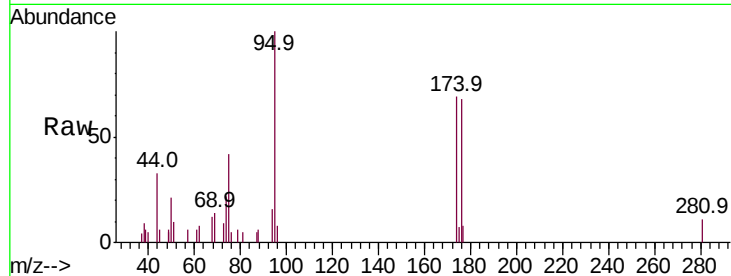
#62
4-Bromofluorobenzene
Concen: 0.943 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	6639		
174	90.5	0.0	133.0	
176	86.8	0.0	130.8	

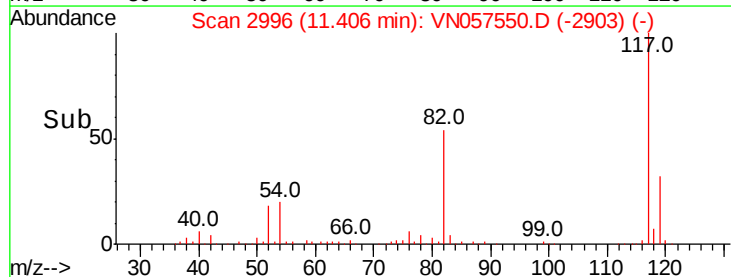
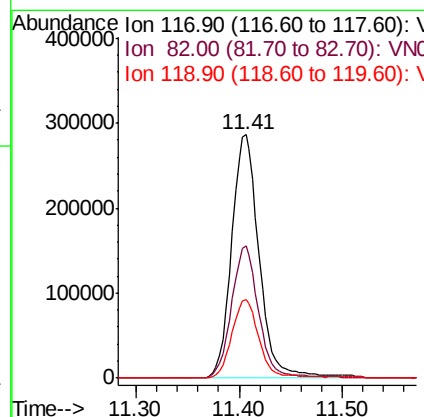
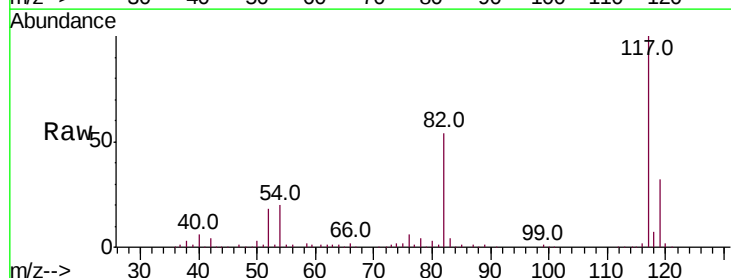
Manual Integrations
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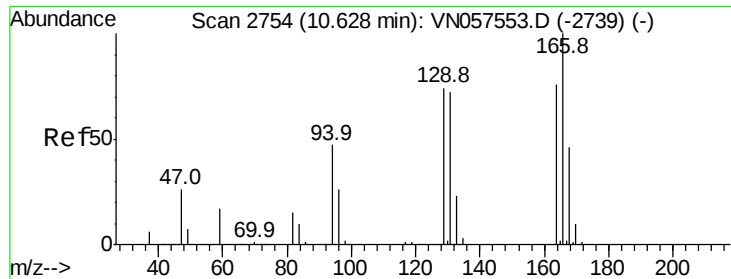
MMDadoda
9/3/2019 2:38:39 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	532594		
82	54.3	50.6	75.8	
119	32.0	24.6	36.8	





#64

Tetrachloroethene

Concen: 1.050 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 5746

Ion Ratio Lower Upper

164 100

166 107.8 104.4 156.6

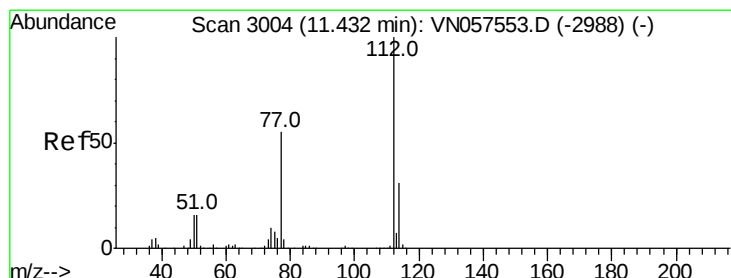
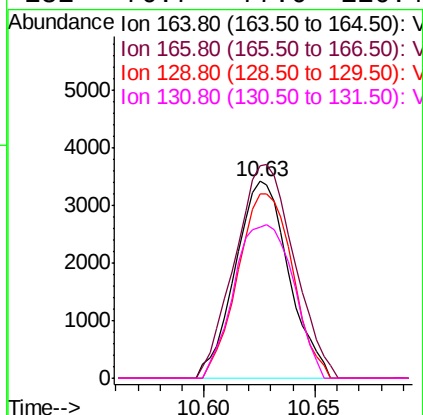
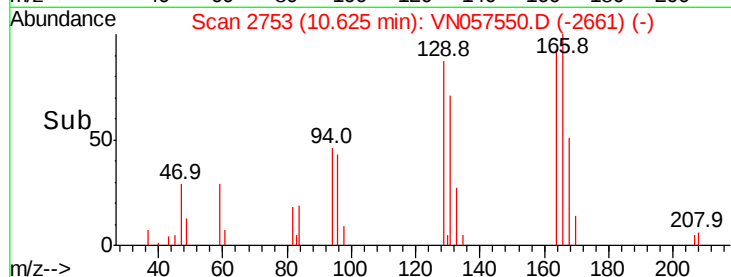
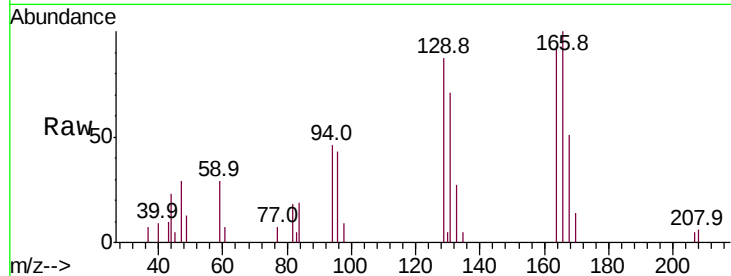
129 93.4 86.6 130.0

131 76.7 77.6 116.4#

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#65

Chlorobenzene

Concen: 0.911 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057550.D

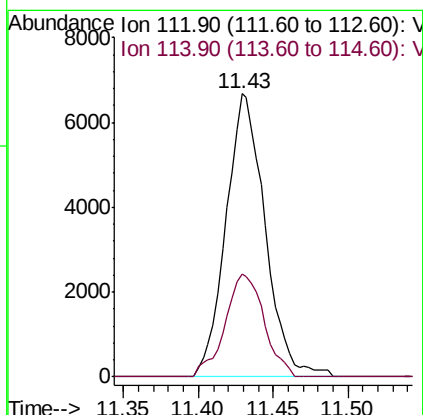
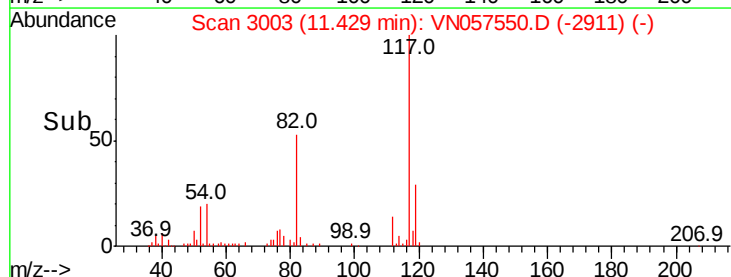
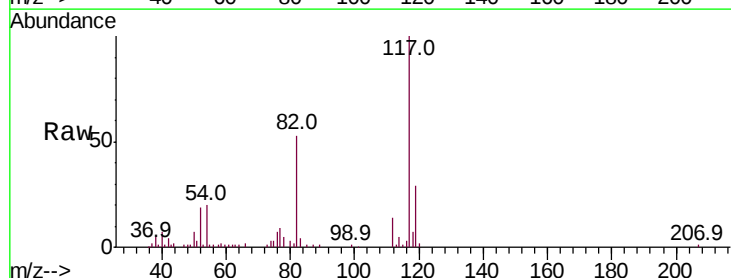
Acq: 29 Aug 2019 14:55

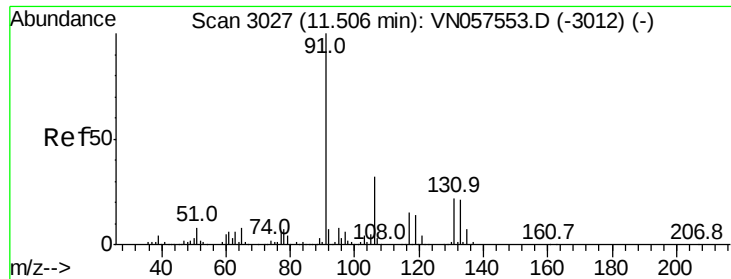
Tgt Ion:112 Resp: 12184

Ion Ratio Lower Upper

112 100

114 36.5 24.8 37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 0.927 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

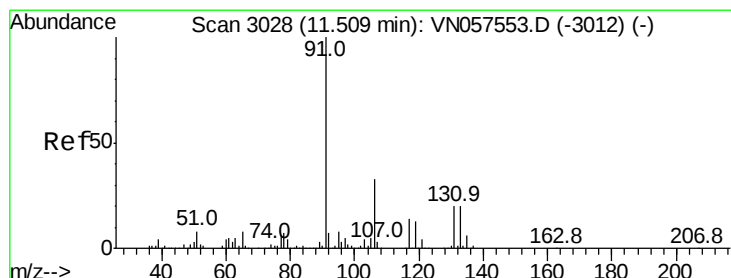
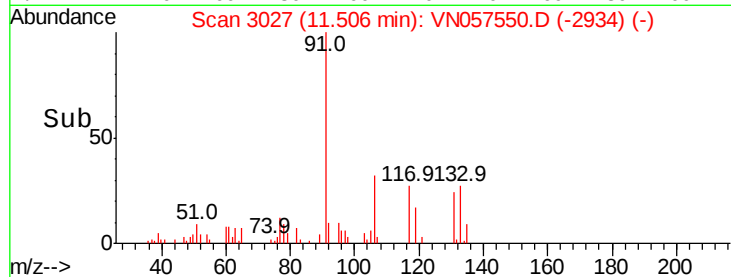
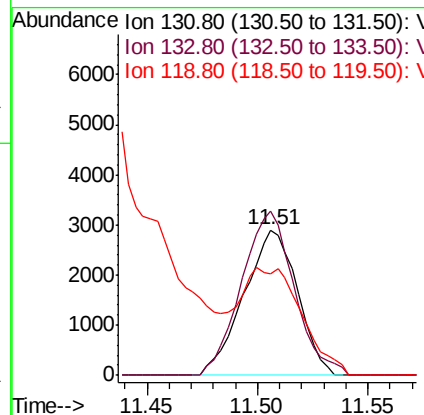
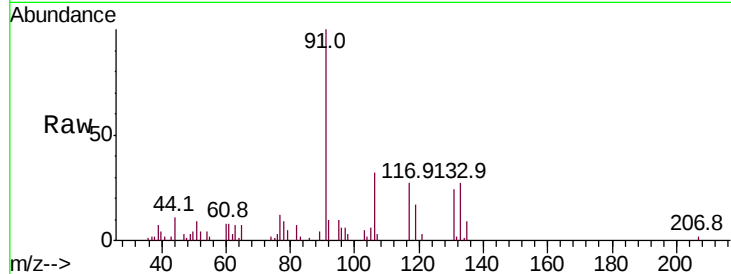
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	111.8	47.6	142.8
119	0.0	34.4	103.2#

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#67

Ethyl Benzene

Concen: 0.951 ug/l

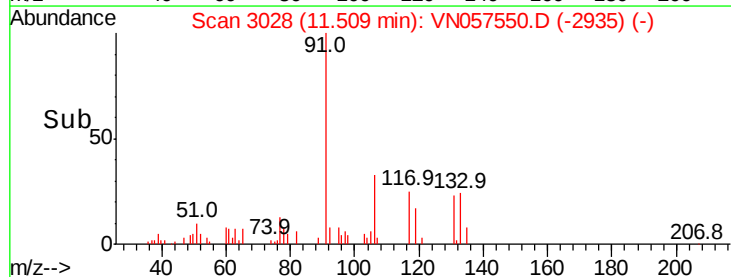
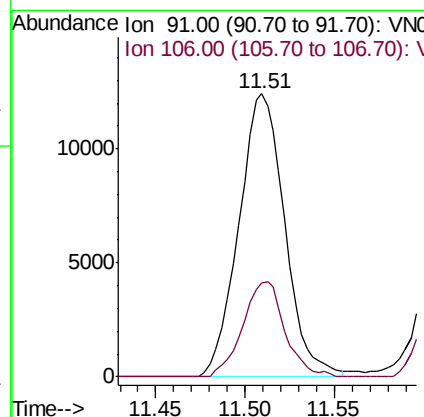
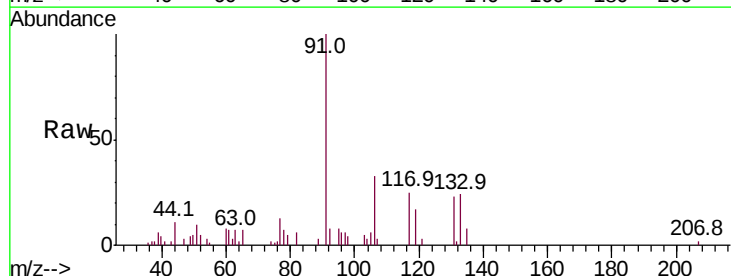
RT: 11.51 min Scan# 3028

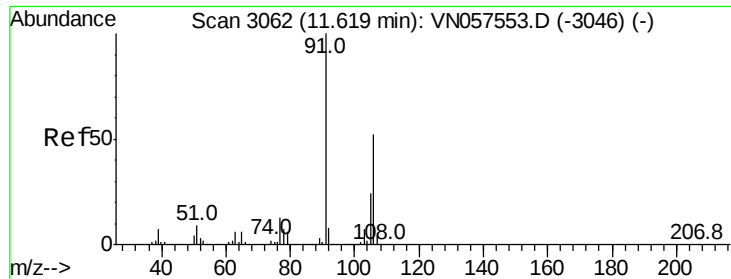
Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	24.1	36.1





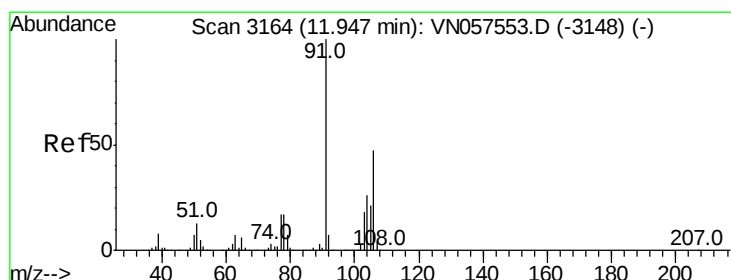
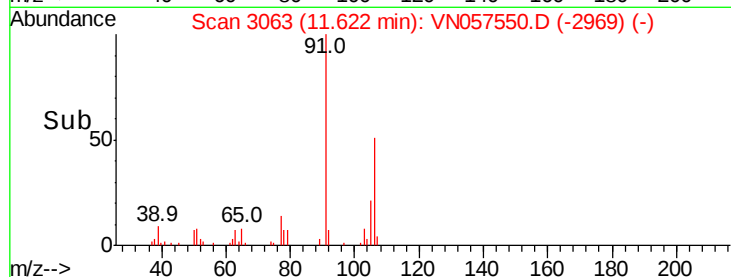
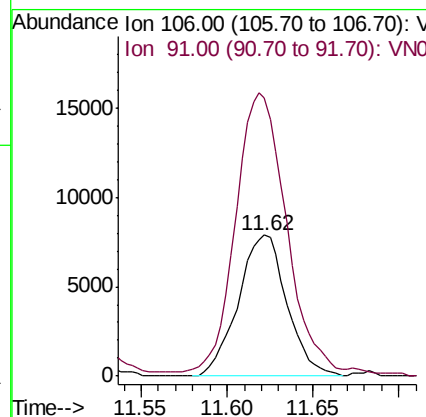
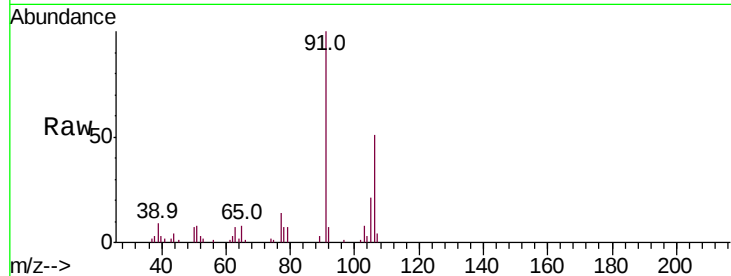
#68
m/p-Xylenes
Concen: 1.732 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 15490
Ion Ratio Lower Upper
106 100
91 204.2 171.8 257.6

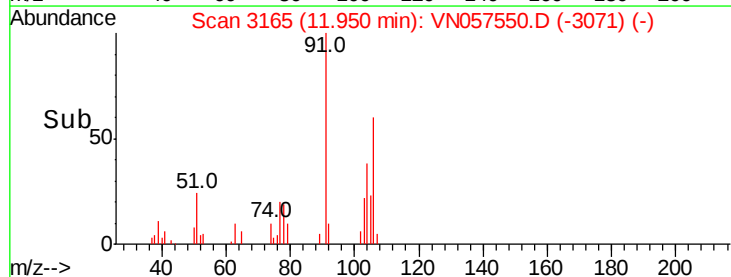
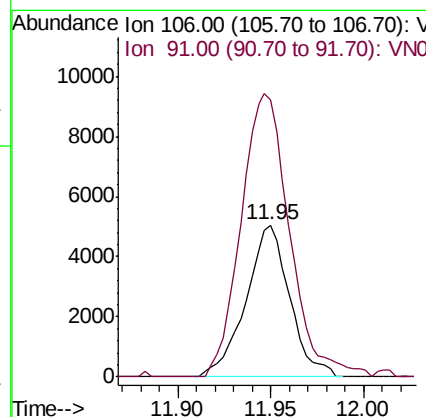
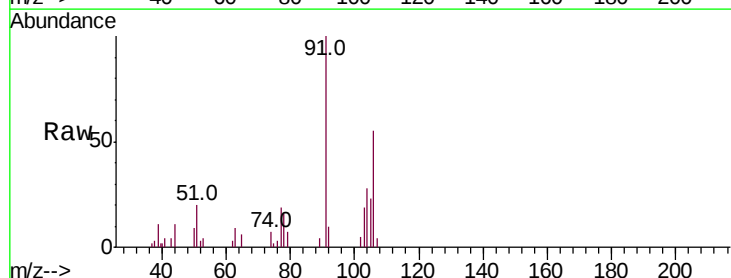
Manual Integrations
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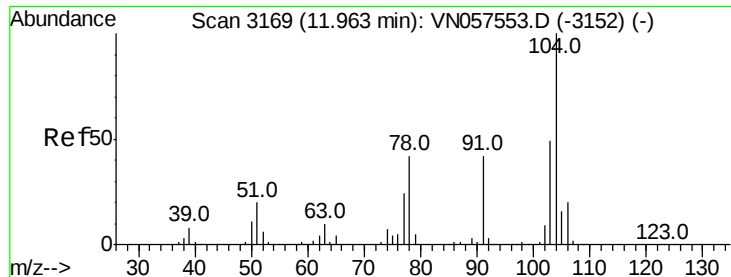
MMDadoda
9/3/2019 2:38:39 AM



#69
o-Xylene
Concen: 0.918 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion:106 Resp: 8240
Ion Ratio Lower Upper
106 100
91 207.6 112.3 336.9





#70

Stvrene

Concen: 0.775 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

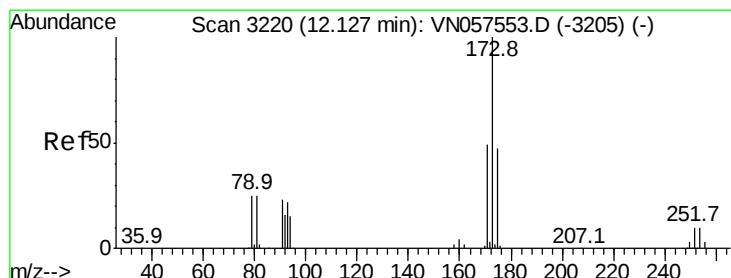
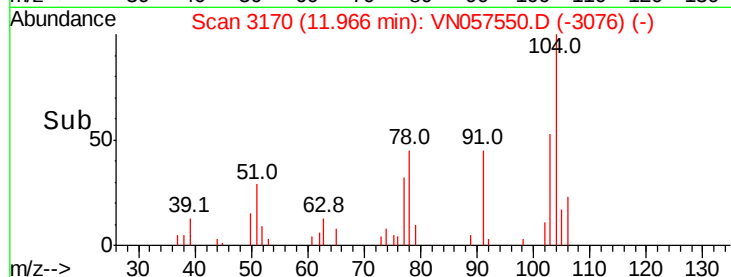
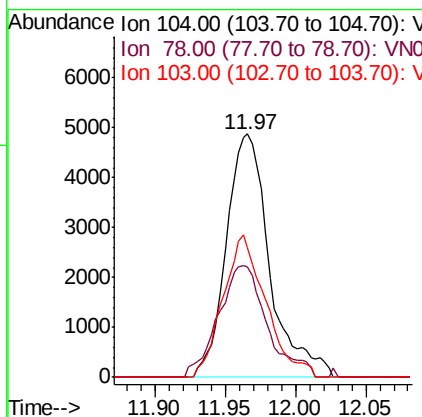
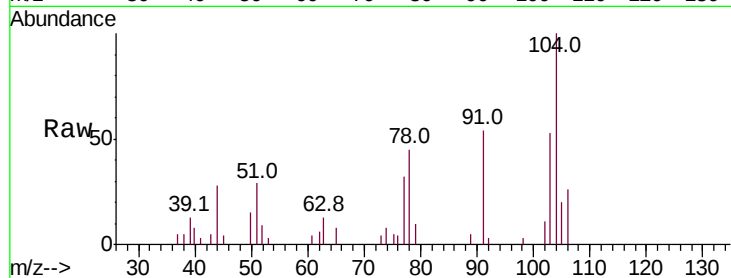
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	10505
Ion Ratio	Lower	Upper	
104	100		
78	51.2	44.7	67.1
103	57.5	44.4	66.6

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#71

Bromoform

Concen: 0.816 ug/l

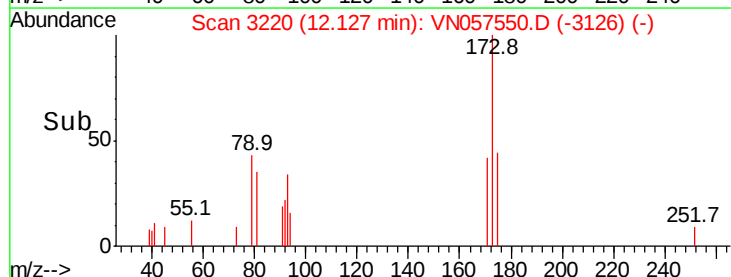
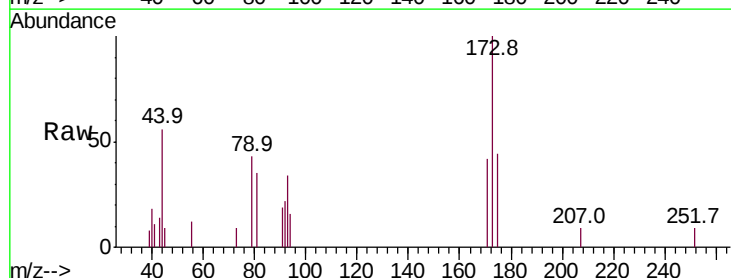
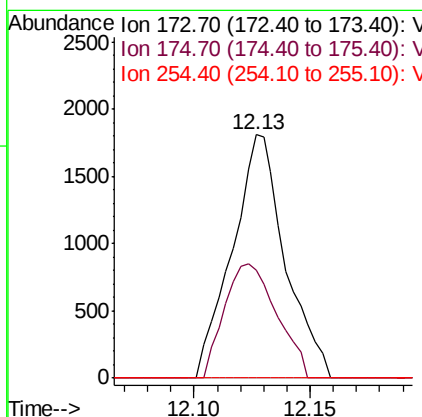
RT: 12.13 min Scan# 3220

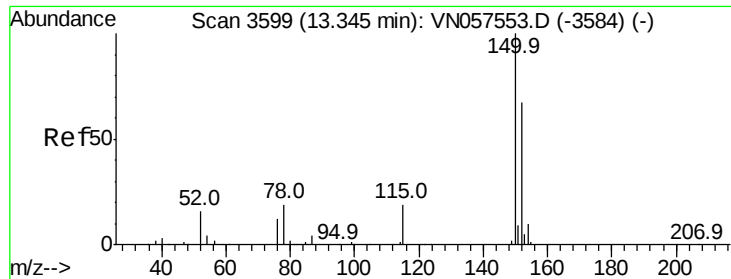
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	173	Resp:	2873
Ion Ratio	Lower	Upper	
173	100		
175	46.5	23.9	71.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

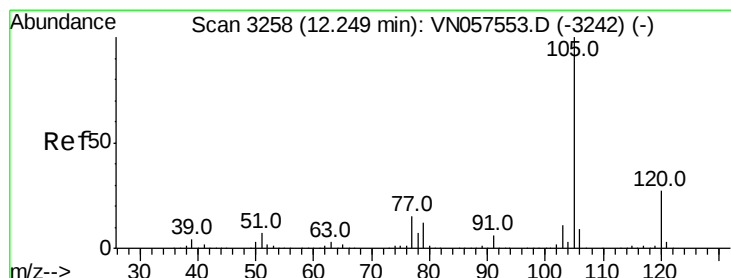
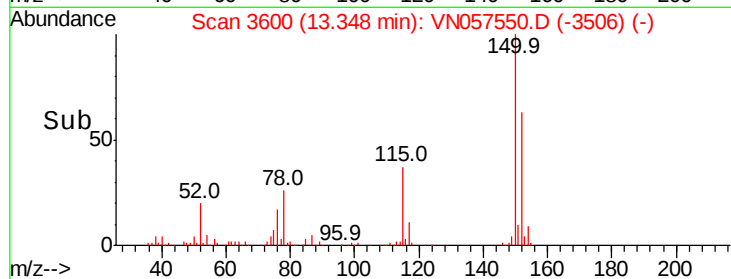
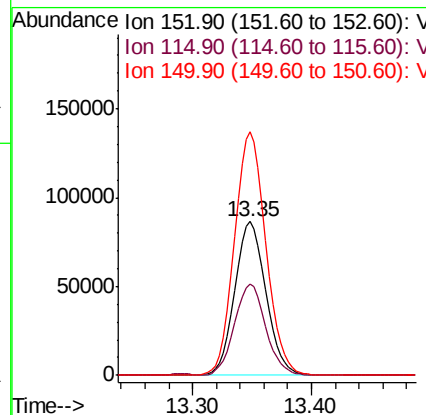
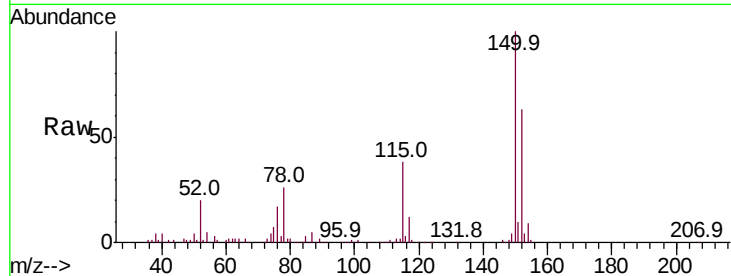
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	32.0	96.0
150	158.7	0.0	346.6

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#73

Isopropylbenzene

Concen: 1.240 ug/l

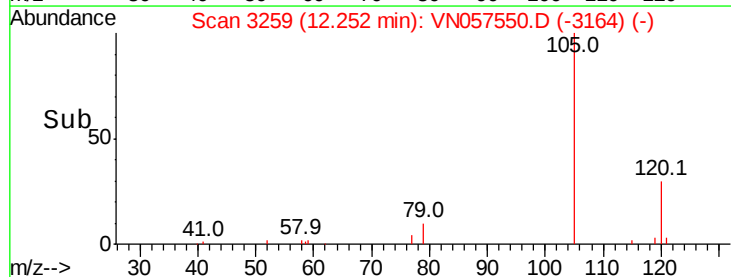
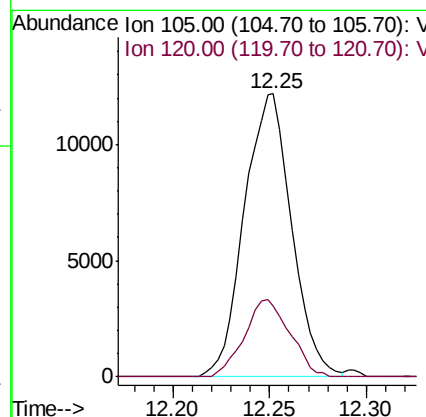
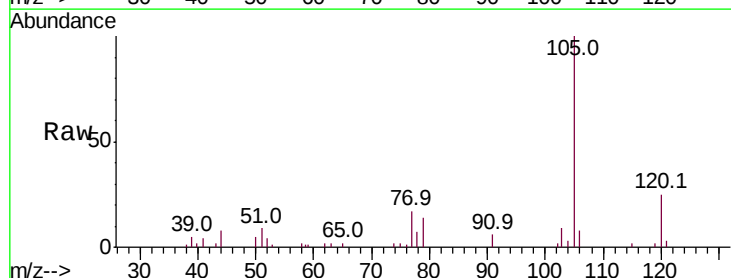
RT: 12.25 min Scan# 3259

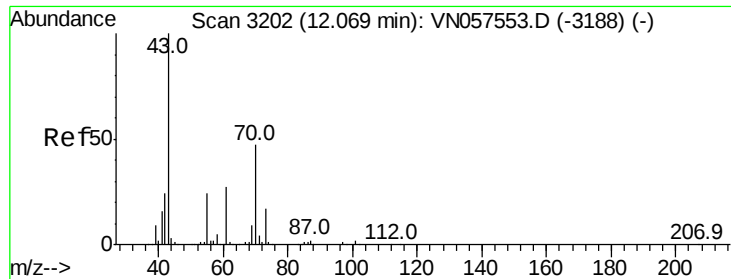
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.7	38.0





#74

N-amvl acetate

Concen: 1.191 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

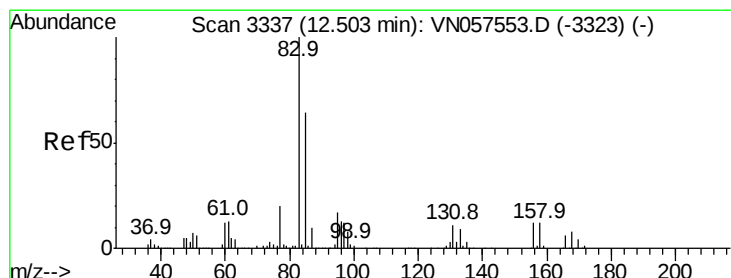
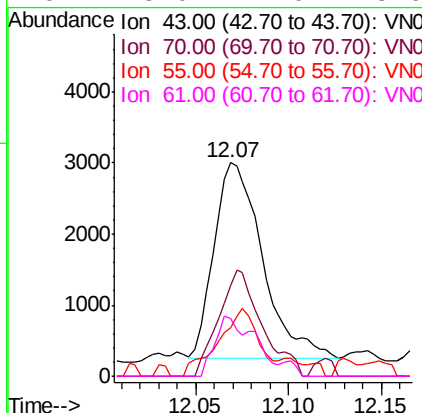
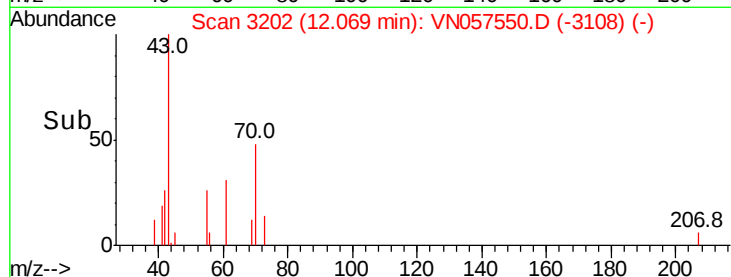
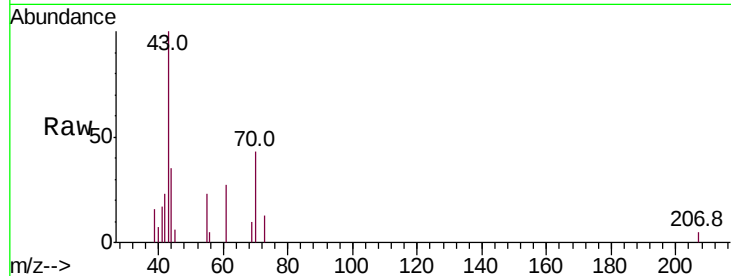
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
70	47.9	27.8	41.6#
55	29.1	17.0	25.4#
61	25.0	17.0	25.6

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.206 ug/l

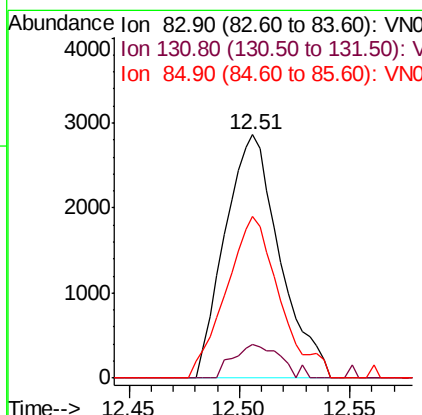
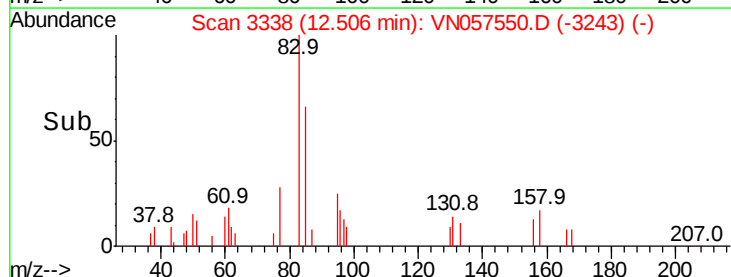
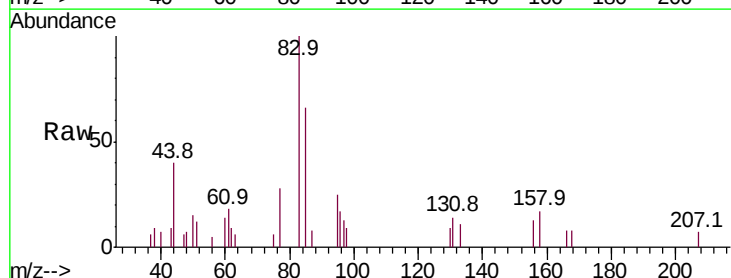
RT: 12.51 min Scan# 3338

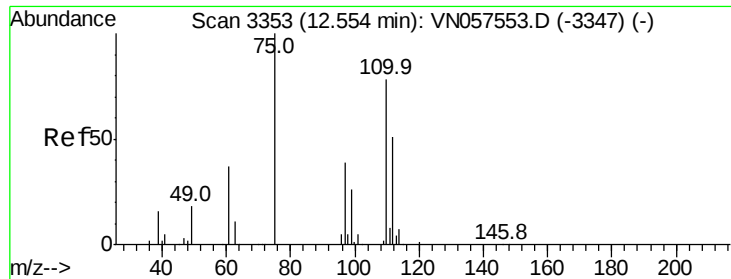
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
131	12.1	4.3	13.1
85	65.0	32.3	96.8





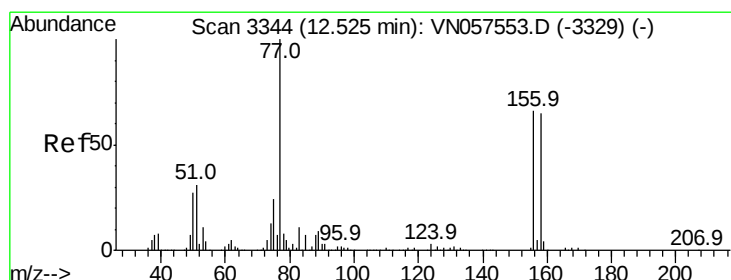
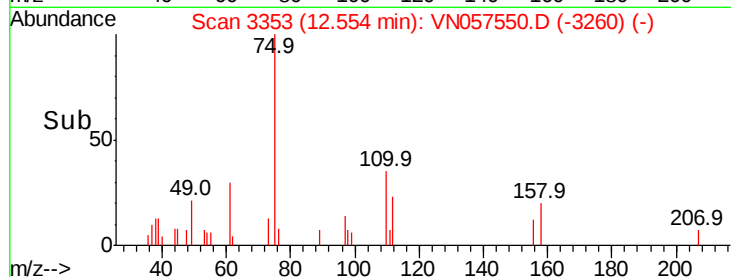
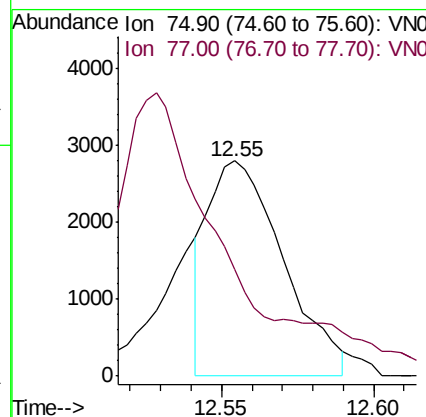
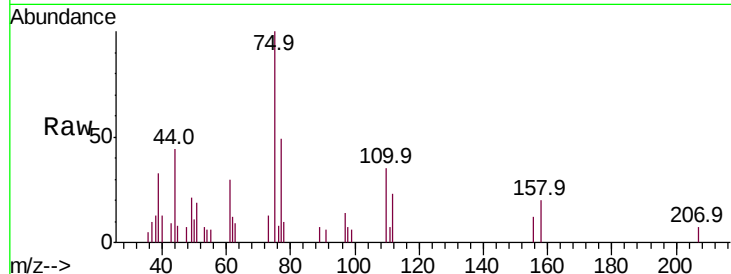
#76
 1,2,3-Trichloropropane
 Concen: 1.271 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 4792
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

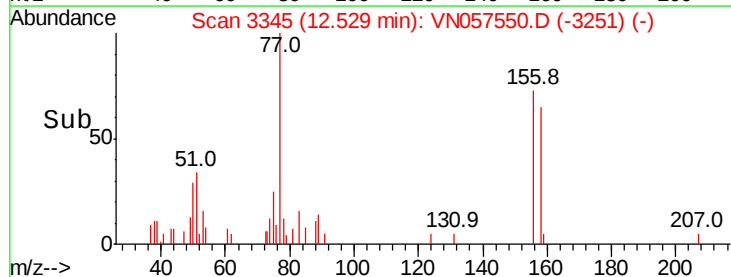
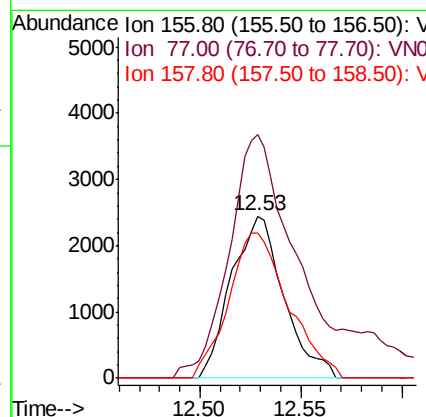
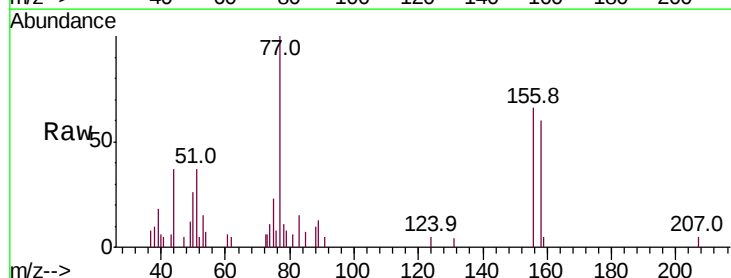
Manual Integrations
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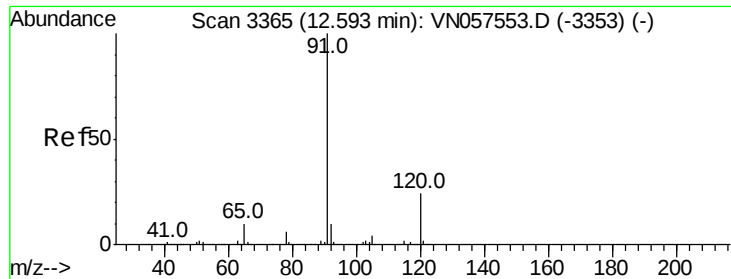
MMDadoda
 9/3/2019 2:38:39 AM



#77
 Bromobenzene
 Concen: 1.148 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion: 156 Resp: 4446
 Ion Ratio Lower Upper
 156 100
 77 217.7 124.4 373.3
 158 101.4 48.3 144.8





#78

n-propylbenzene

Concen: 1.147 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 19047

Ion Ratio Lower Upper

91 100

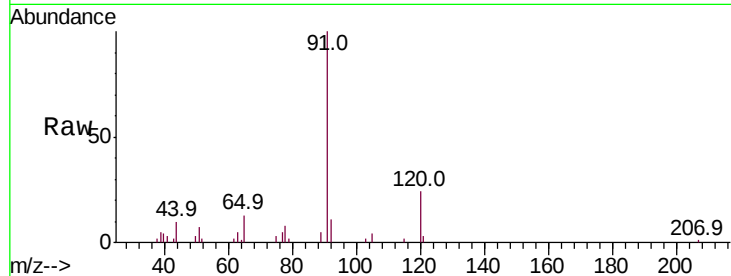
120 23.7 10.7 32.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

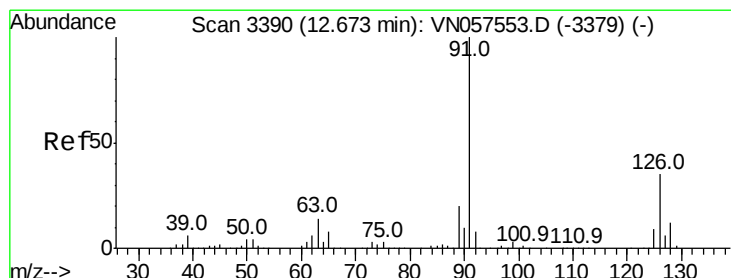
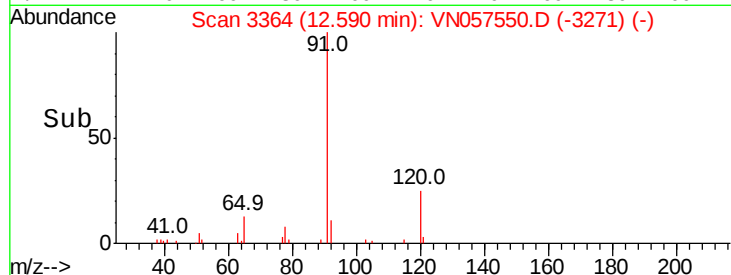
6000

4000

2000

0

Time-->



#79

2-Chlorotoluene

Concen: 1.195 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057550.D

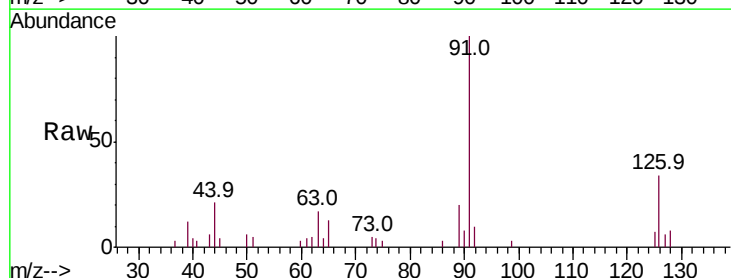
Acq: 29 Aug 2019 14:55

Tgt Ion: 91 Resp: 12359

Ion Ratio Lower Upper

91 100

126 34.0 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

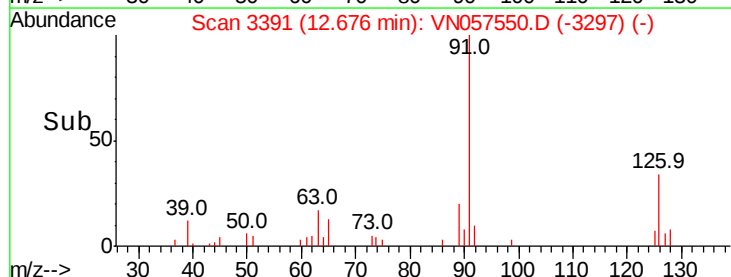
6000

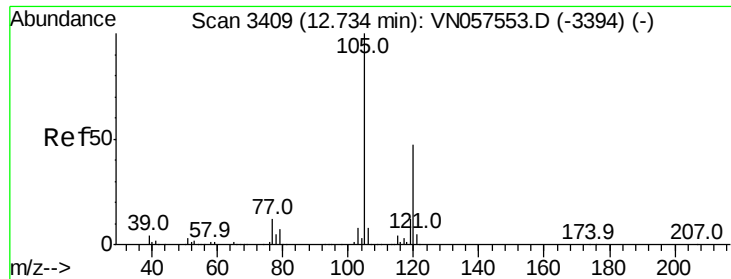
4000

2000

0

Time-->





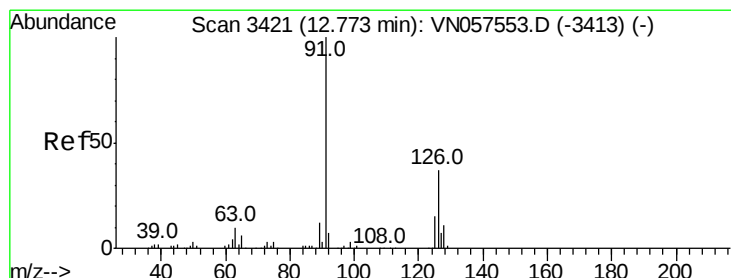
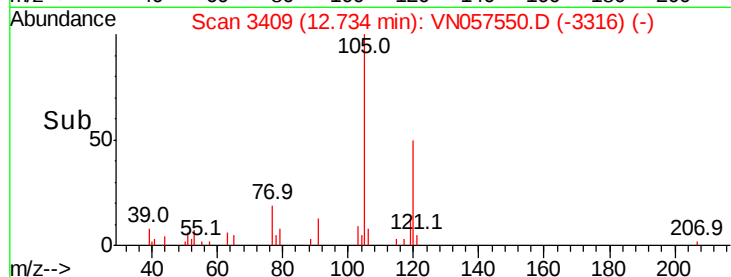
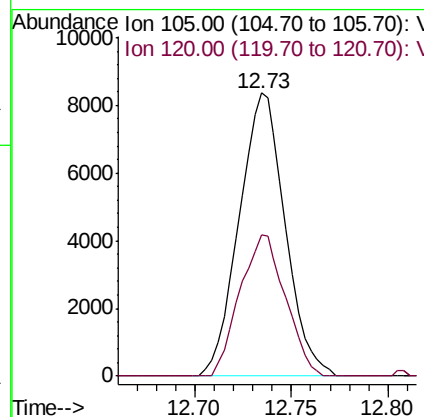
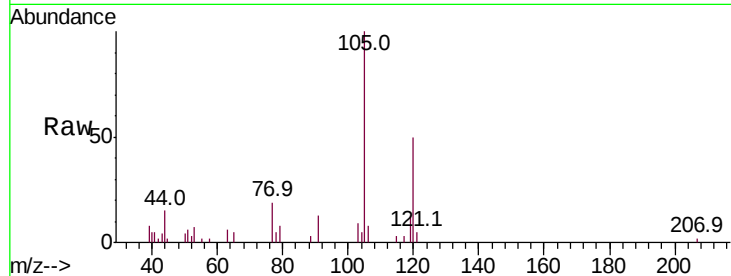
#80
 1,3,5-Trimethylbenzene
 Concen: 1.050 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 13806
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.3 69.8

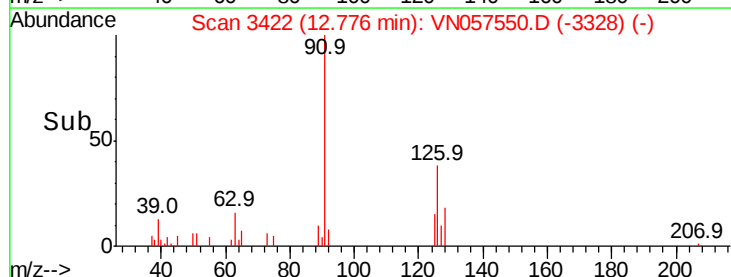
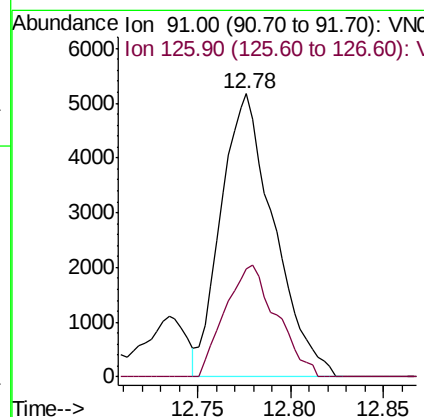
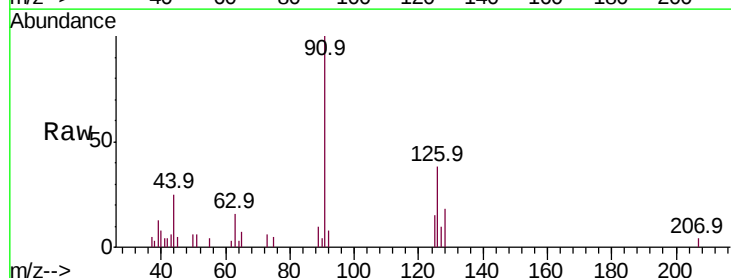
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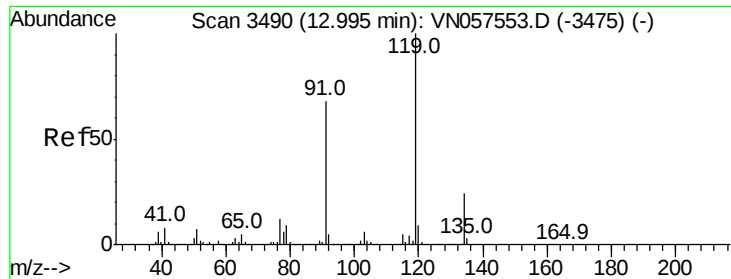
MMDadoda
 9/3/2019 2:38:39 AM



#82
 4-Chlorotoluene
 Concen: 1.069 ug/l
 RT: 12.78 min Scan# 3422
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion: 91 Resp: 10255
 Ion Ratio Lower Upper
 91 100
 126 38.4 15.0 45.0





#83

tert-Butylbenzene

Concen: 1.230 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057550.D

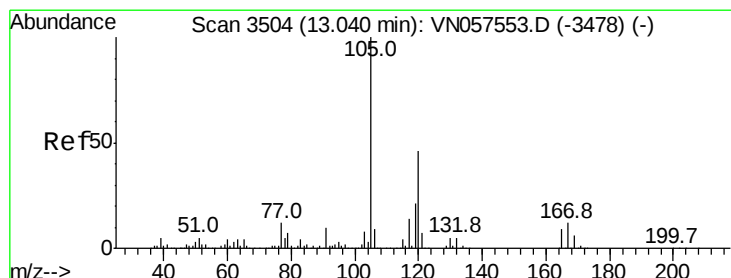
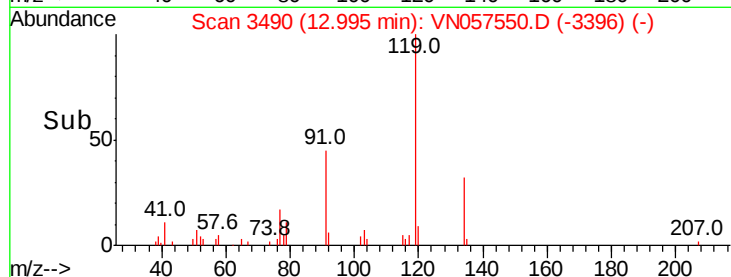
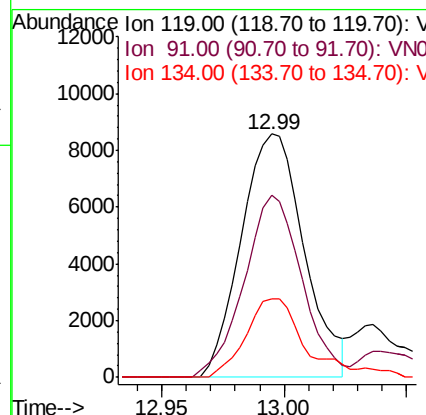
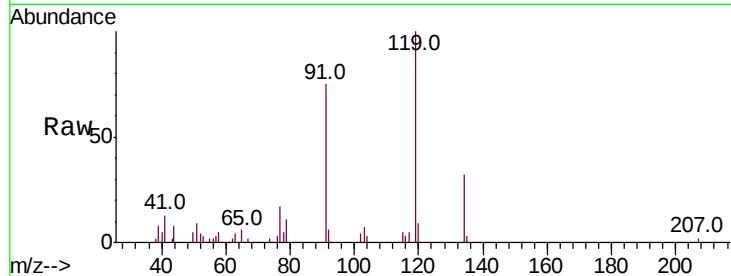
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	15381		
91	68.7		37.0	111.0
134	31.1		12.2	36.6

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#84

1,2,4-Trimethylbenzene

Concen: 0.954 ug/l

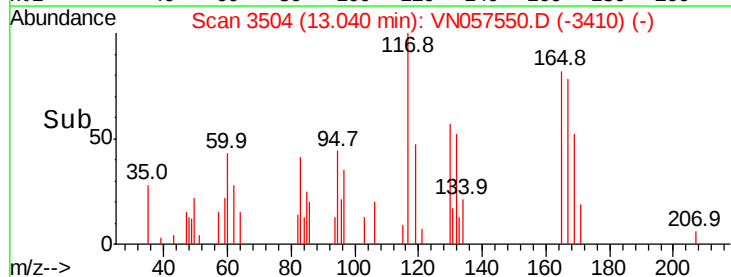
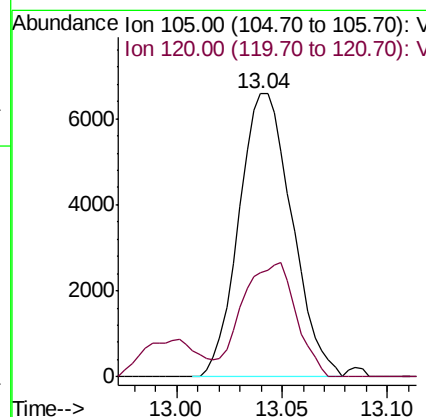
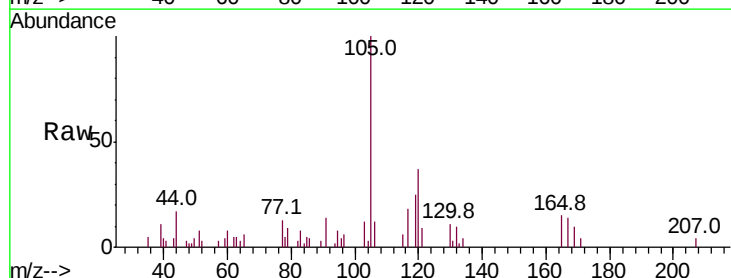
RT: 13.04 min Scan# 3504

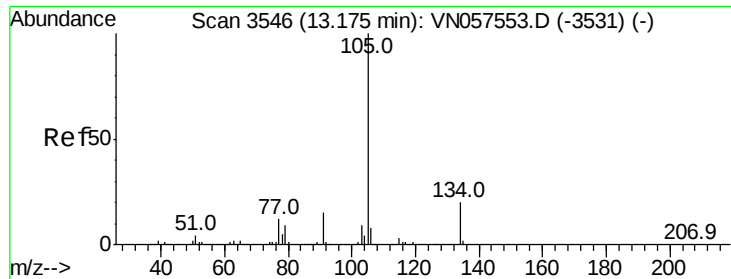
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	11472		
120	41.3		21.9	65.7





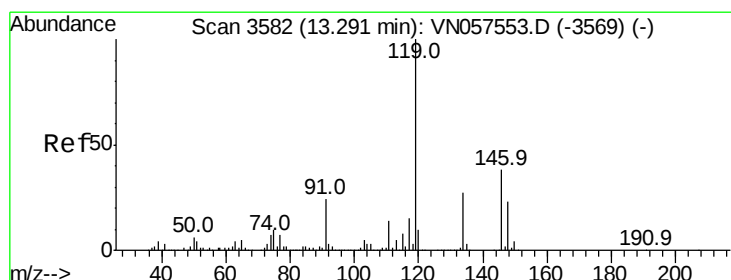
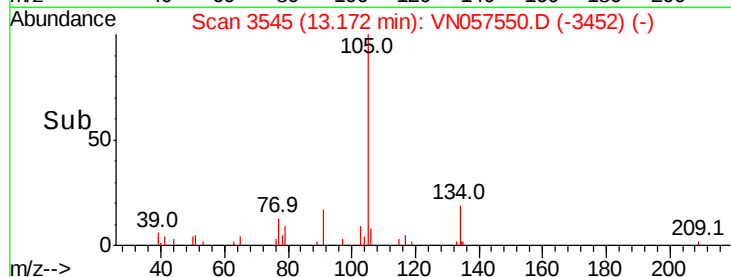
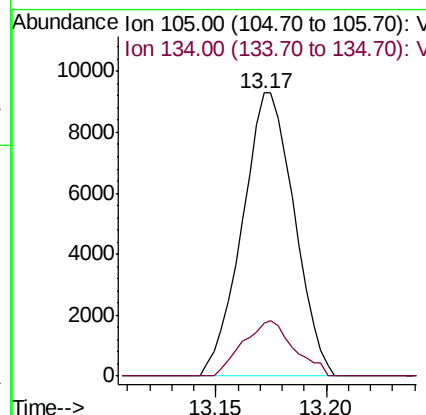
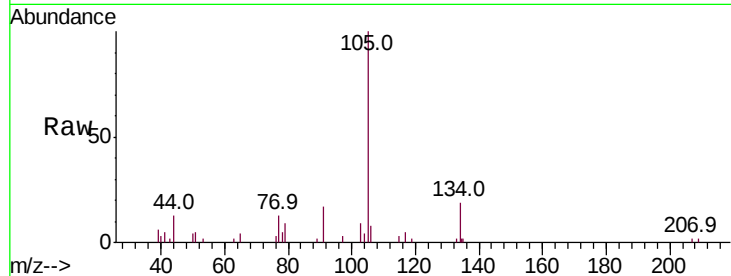
#85
 sec-Butylbenzene
 Concen: 1.055 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
105	100	15255		
134	19.0	9.3	27.9	

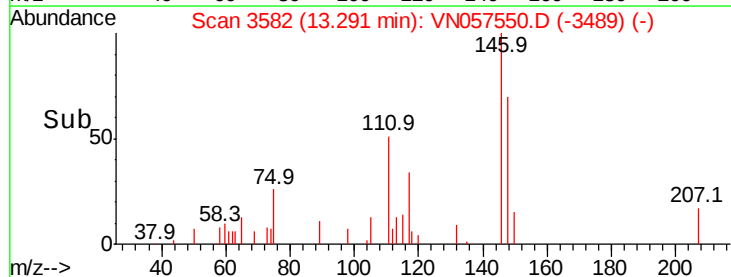
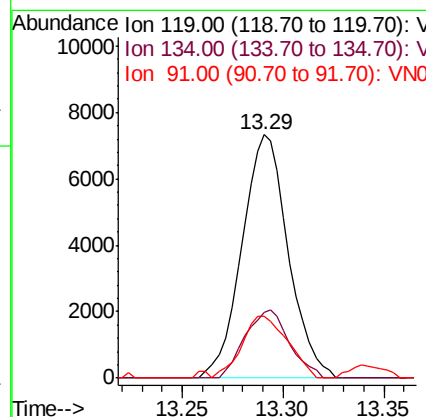
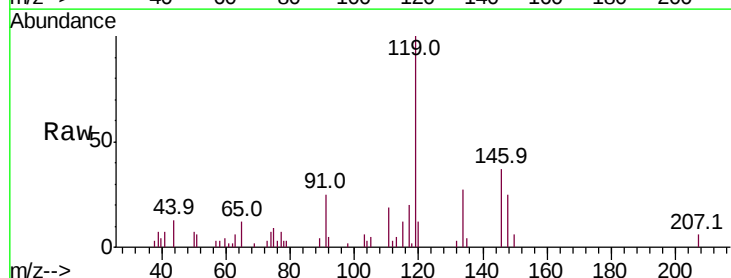
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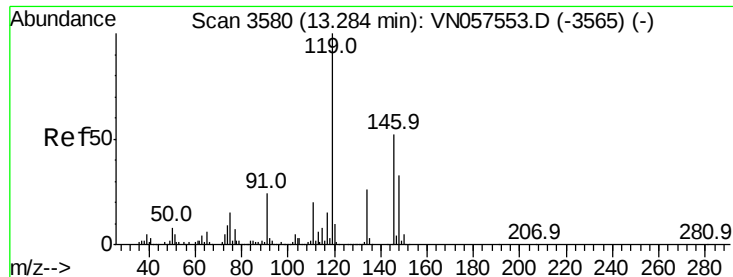
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#86
 p-Isopropyltoluene
 Concen: 0.943 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	11715		
134	27.0	12.7	38.1	
91	25.2	13.9	41.6	





#87

1,3-Dichlorobenzene

Concen: 0.947 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

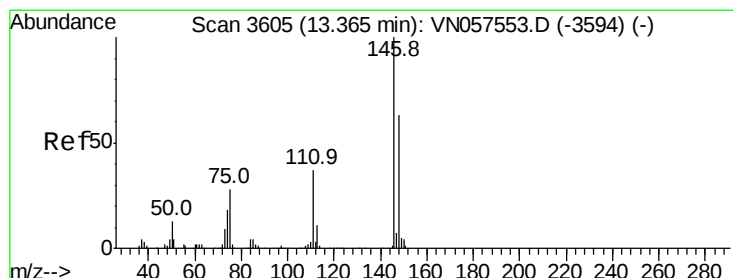
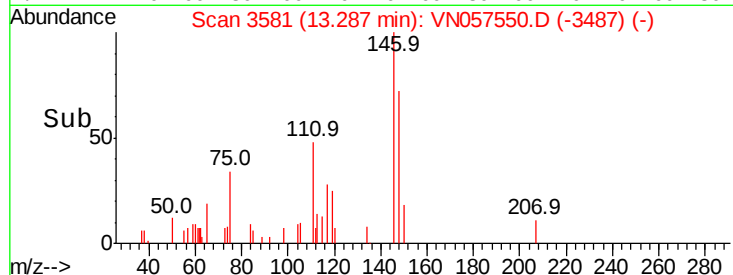
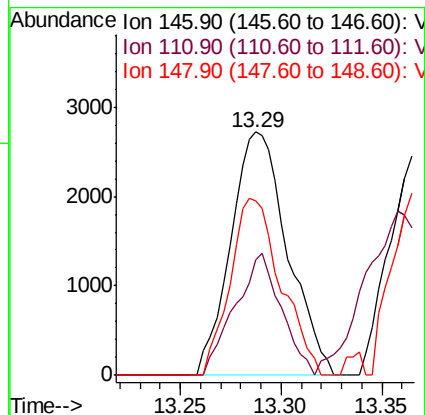
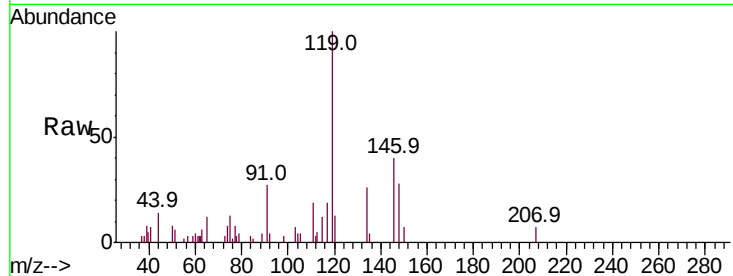
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	5326
Ion Ratio	Lower	Upper	
146	100		
111	41.0	22.1	66.1
148	65.2	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 0.905 ug/l m

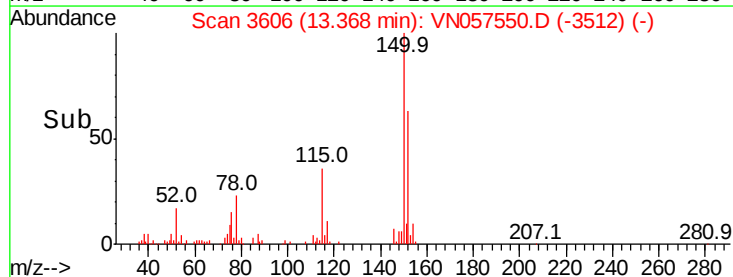
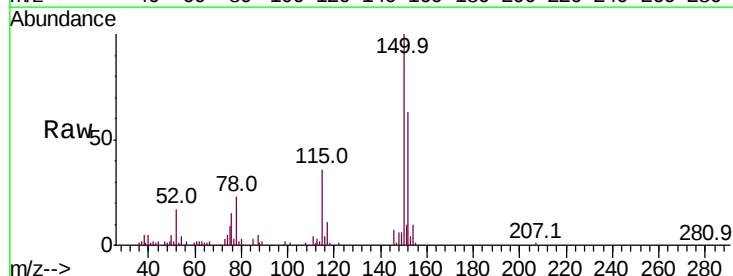
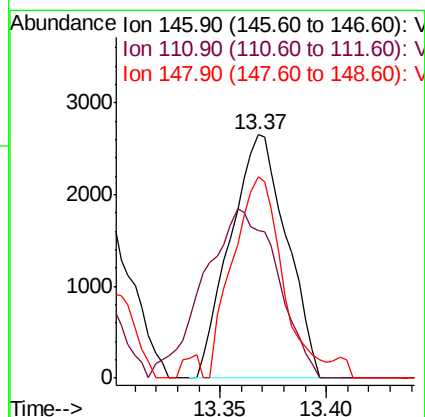
RT: 13.37 min Scan# 3606

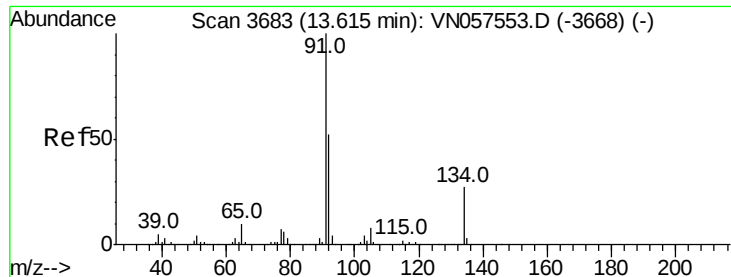
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	146	Resp:	4882
Ion Ratio	Lower	Upper	
146	100		
111	44.7	21.9	65.5
148	71.1	31.1	93.2





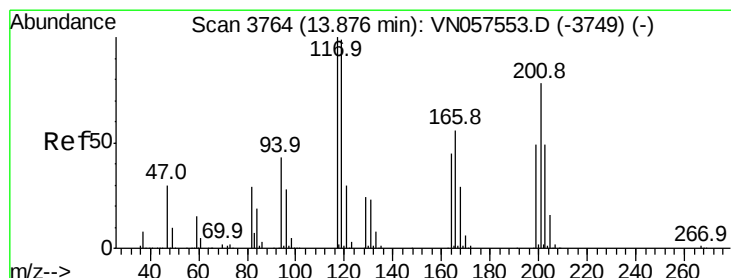
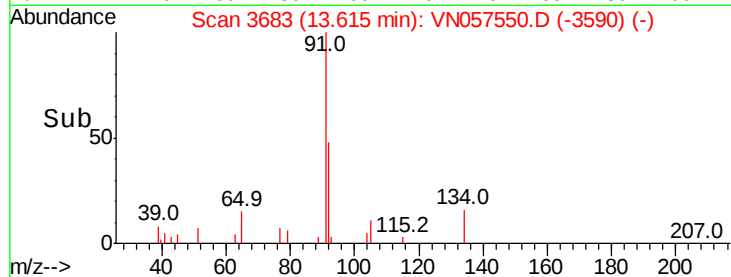
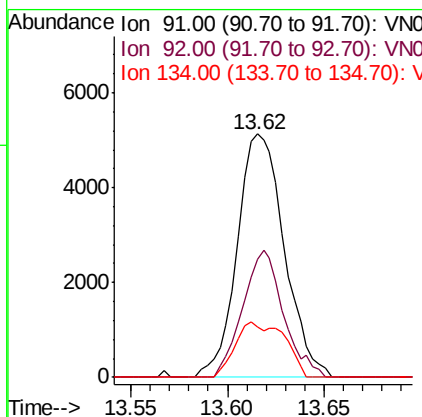
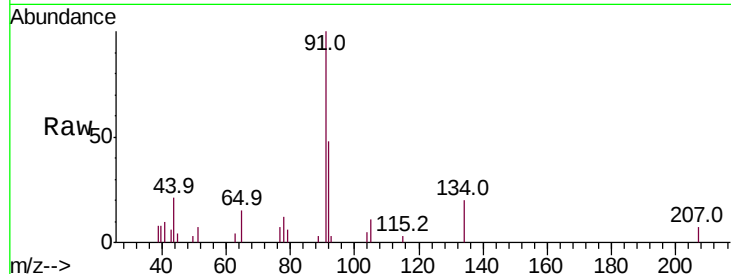
#89
n-Butylbenzene
Concen: 0.924 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	45.2	25.7	77.0
134	13.5	11.4	34.1

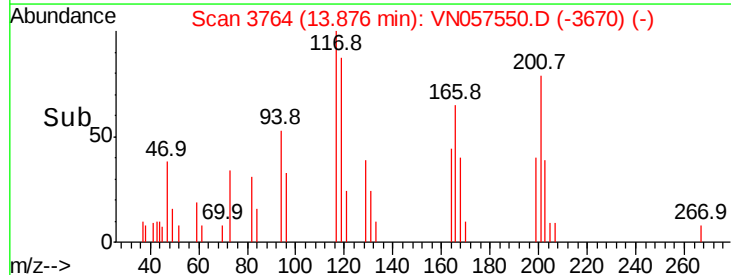
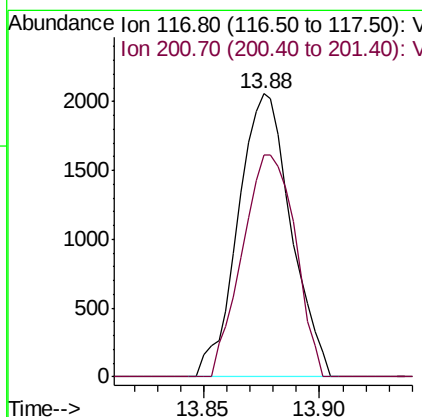
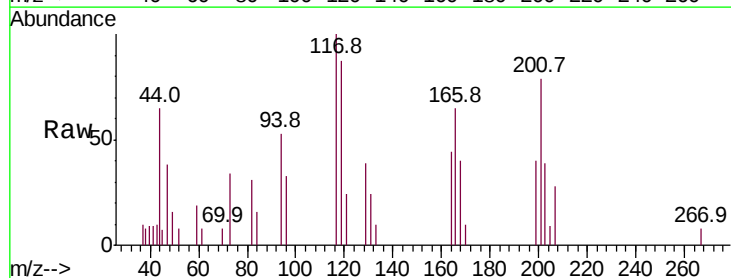
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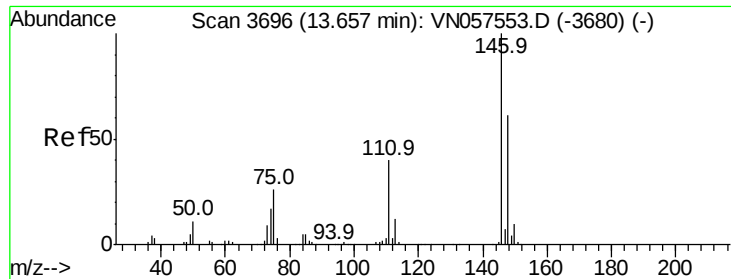
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#90
Hexachloroethane
Concen: 1.247 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	33.1	99.3





#91

1,2-Dichlorobenzene

Concen: 0.864 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VN057550.D

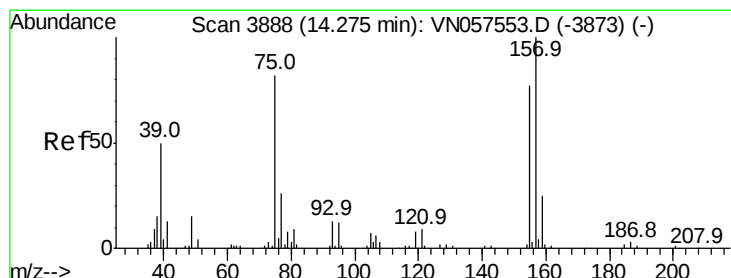
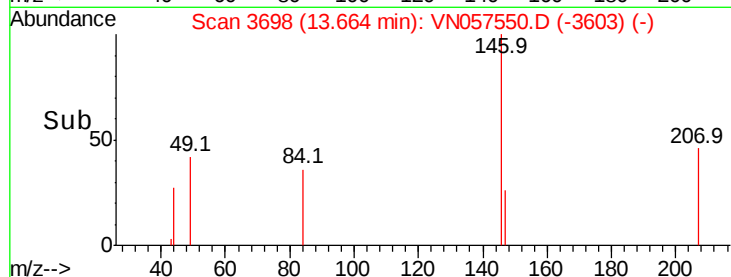
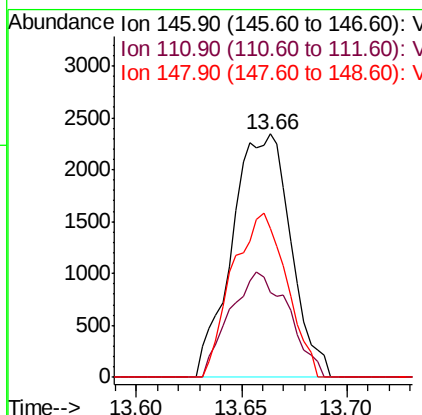
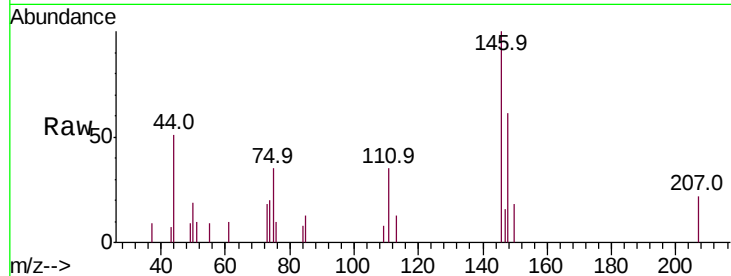
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	23.1	69.2
148	62.4	31.8	95.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.932 ug/l m

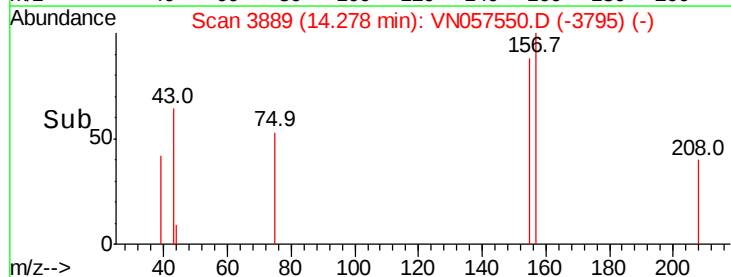
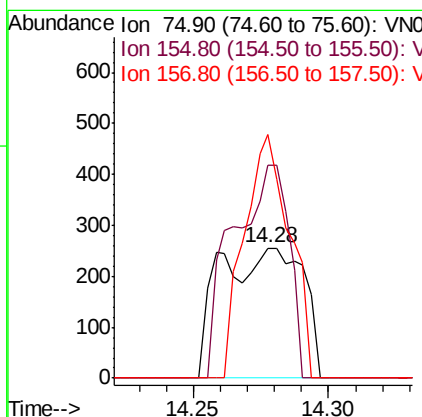
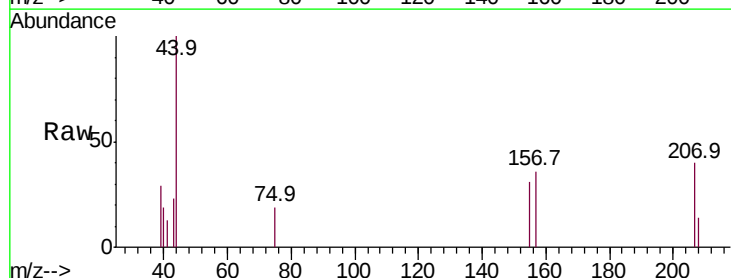
RT: 14.28 min Scan# 3889

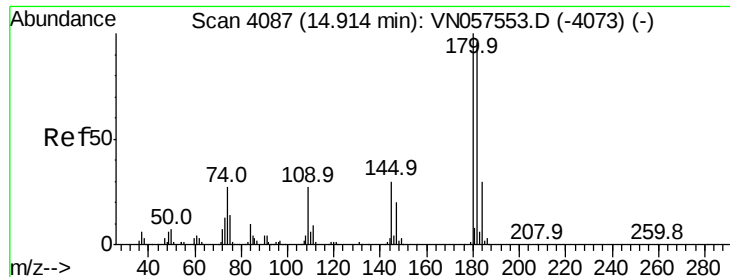
Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.2	31.6	94.7#
157	102.2	43.3	129.8





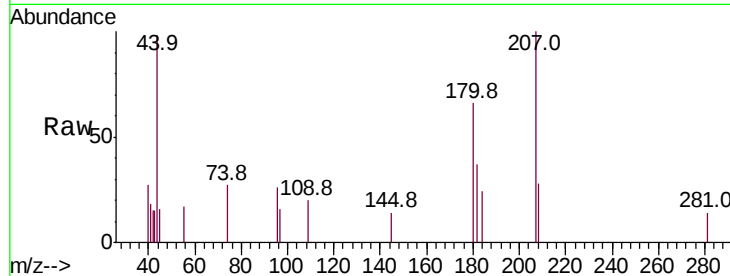
#93
 1,2,4-Trichlorobenzene
 Concen: 0.795 ug/l m
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

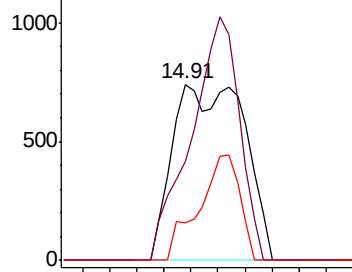
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	46.7	140.1	
145	34.1	15.6	46.8	

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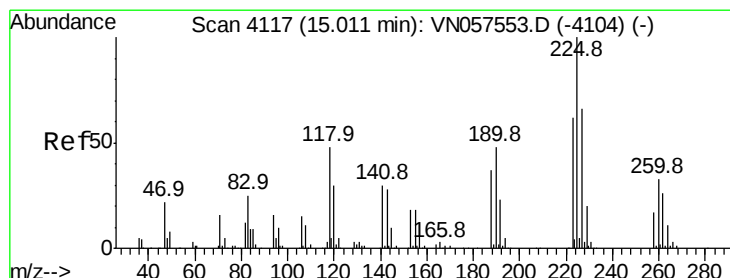
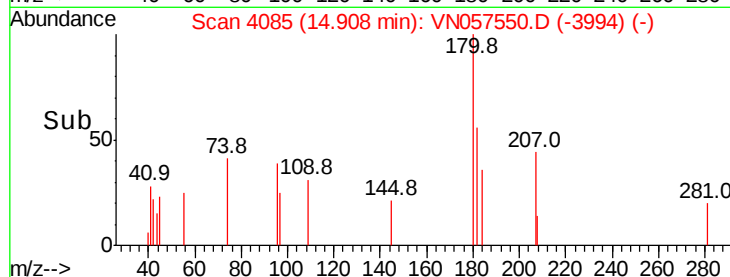
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

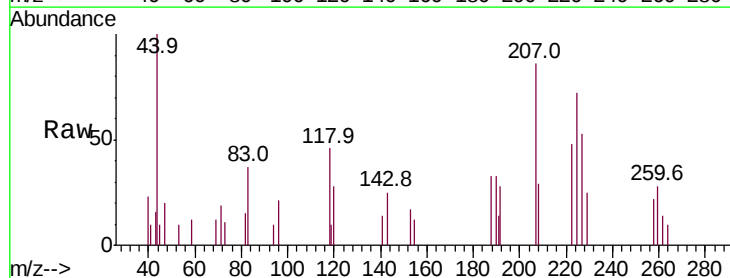


Time-->

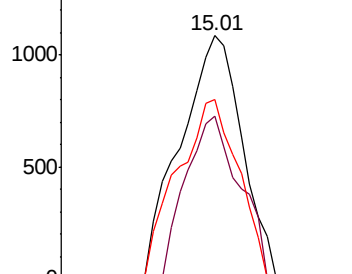


#94
 Hexachlorobutadiene
 Concen: 0.985 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

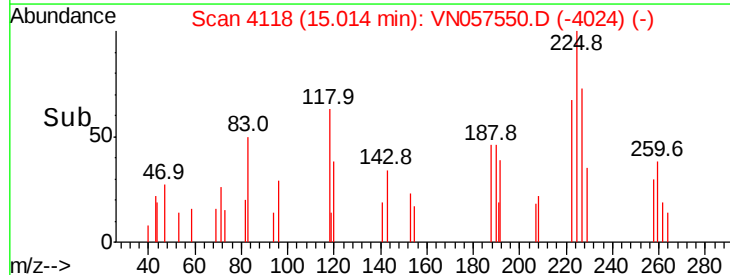
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	58.7	32.0	96.2	
227	72.9	31.5	94.5	

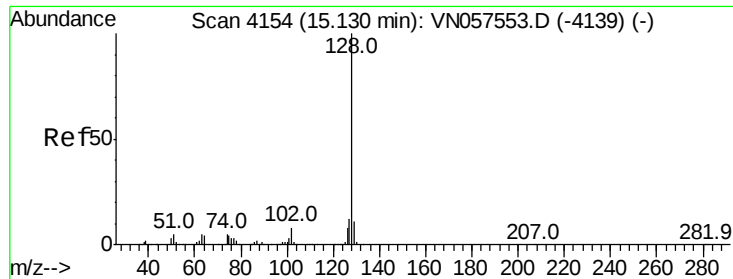


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





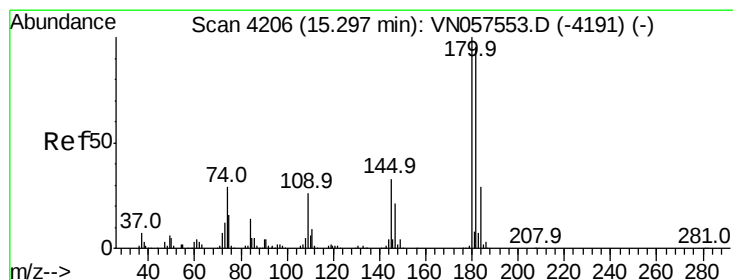
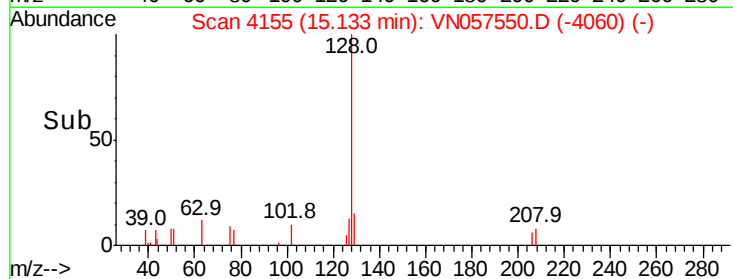
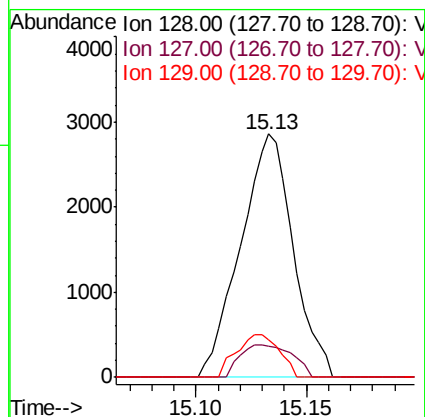
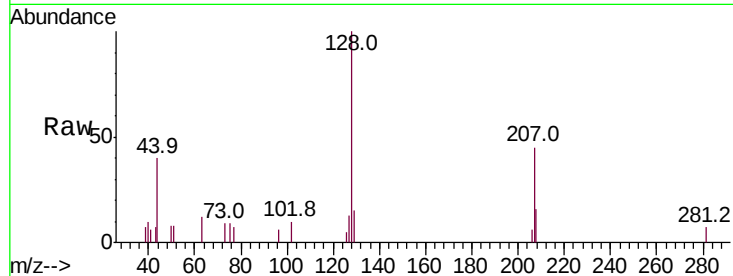
#95
Naphthalene
Concen: 0.913 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	14.3	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 0.990 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	100.3	46.7	140.1
145	27.4	16.8	50.3

