

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056697.D
 Acq On : 15 Jul 2019 8:49
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 1:31:13 AM

Quant Time: Jul 16 01:27:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	343381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	536385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	445559	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148097	50.00	ug/l	0.00

System Monitoring Compounds

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

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	3701	1.267 ug/l	99
3) Chloromethane	2.06	50	5169	1.295 ug/l	96
4) Vinyl Chloride	2.18	62	4775	1.240 ug/l	90
6) Chloroethane	2.70	64	2960	1.332 ug/l	97
7) Trichlorofluoromethane	3.01	101	6202	1.246 ug/l	98
8) Diethyl Ether	3.41	74	2180	1.040 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	3636	1.151 ug/l #	67
12) 1,1-Dichloroethene	3.73	96	3582	1.177 ug/l	86
14) Allyl chloride	4.32	41	5983	1.171 ug/l	96
15) Acrylonitrile	5.00	53	9088	5.102 ug/l	94
16) Acetone	3.82	43	9859	5.251 ug/l	99
17) Carbon Disulfide	4.05	76	9396	1.323 ug/l #	94
18) Methyl Acetate	4.34	43	7218	1.500 ug/l #	73
19) Methyl tert-butyl Ether	5.05	73	11368	1.131 ug/l	97
20) Methylene Chloride	4.55	84	4504	1.148 ug/l	94
21) trans-1,2-Dichloroethene	5.05	96	3582m	1.090 ug/l	
22) Diisopropyl ether	5.95	45	11234	1.052 ug/l #	80
23) Vinyl Acetate	5.90	43	42202	5.009 ug/l	99
24) 1,1-Dichloroethane	5.85	63	6964	1.138 ug/l #	83
25) 2-Butanone	6.84	43	12971	5.149 ug/l	97
26) 2,2-Dichloropropane	6.82	77	4759	1.108 ug/l	90
27) cis-1,2-Dichloroethene	6.83	96	3967	1.035 ug/l	57
28) Bromochloromethane	7.19	49	3003	1.000 ug/l #	99
29) Tetrahydrofuran	7.21	42	8536	5.464 ug/l	97
30) Chloroform	7.37	83	7571	1.256 ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	5186	1.082 ug/l #	50
36) 1,1-Dichloropropene	7.79	75	5653	1.190 ug/l	89
37) Ethyl Acetate	6.93	43	5280m	1.130 ug/l	
38) Carbon Tetrachloride	7.77	117	5290	1.257 ug/l	87
39) Methylcyclohexane	9.08	83	6639	1.129 ug/l	92
40) Benzene	8.04	78	16606	1.136 ug/l	100
41) Methacrylonitrile	7.17	41	1876	0.918 ug/l #	100
42) 1,2-Dichloroethane	8.13	62	5129	1.068 ug/l	86
43) Isopropyl Acetate	8.16	43	7253	1.002 ug/l #	94

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:03:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	4767	1.215	ug/l	93
45) 1,2-Dichloropropane	9.12	63	4369	1.118	ug/l	98
46) Dibromomethane	9.21	93	2570	1.052	ug/l	98
47) Bromodichloromethane	9.40	83	4963	1.136	ug/l	95
48) Methyl methacrylate	9.20	41	3494	0.962	ug/l	97
49) 1,4-Dioxane	9.19	88	1517m	20.283	ug/l	
51) 4-Methyl-2-Pentanone	9.98	43	25034	5.358	ug/l	94
52) Toluene	10.15	92	8963	1.004	ug/l	92
53) t-1,3-Dichloropropene	10.38	75	4388	0.992	ug/l #	82
54) cis-1,3-Dichloropropene	9.84	75	5510	1.050	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	4271	1.191	ug/l	96
56) Ethyl methacrylate	10.43	69	4655	0.882	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	6352	1.056	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	10245	5.069	ug/l	97
59) 2-Hexanone	10.75	43	15752	4.572	ug/l	96
60) Dibromochloromethane	10.90	129	3544	1.074	ug/l	97
61) 1,2-Dibromoethane	11.01	107	3624	0.990	ug/l	98
64) Tetrachloroethene	10.63	164	4745	1.333	ug/l	95
65) Chlorobenzene	11.43	112	10132	1.130	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.50	131	3638	1.189	ug/l #	64
67) Ethyl Benzene	11.51	91	16722	1.060	ug/l	96
68) m/p-Xylenes	11.62	106	12338	2.133	ug/l	97
69) o-Xylene	11.94	106	6256	1.093	ug/l	94
70) Styrene	11.96	104	8757	0.957	ug/l	99
71) Bromoform	12.12	173	2214	1.020	ug/l #	94
73) Isopropylbenzene	12.25	105	14410	1.112	ug/l	96
74) N-amyl acetate	12.07	43	4808	1.021	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	5572	1.373	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	3640m	1.170	ug/l	
77) Bromobenzene	12.53	156	3805	1.157	ug/l	97
78) n-propylbenzene	12.59	91	15496	1.144	ug/l	97
79) 2-Chlorotoluene	12.67	91	10535	1.237	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	12224	1.154	ug/l	97
82) 4-Chlorotoluene	12.77	91	8966	1.122	ug/l	98
83) tert-Butylbenzene	12.99	119	11091	1.151	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	11117	1.115	ug/l	99
85) sec-Butylbenzene	13.17	105	12698	1.071	ug/l	95
86) p-Isopropyltoluene	13.28	119	11386	1.115	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5794	1.155	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	5802m	1.189	ug/l	
89) n-Butylbenzene	13.61	91	8281	1.054	ug/l	98
90) Hexachloroethane	13.87	117	1901	1.184	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	6436	1.290	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.26	75	627	1.122	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	1555	0.722	ug/l	91
94) Hexachlorobutadiene	15.00	225	2440	1.290	ug/l	98
95) Naphthalene	15.13	128	4385	0.772	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1748	0.762	ug/l	84

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MSVOA_N
ClientSampleId :
VSTDICC001

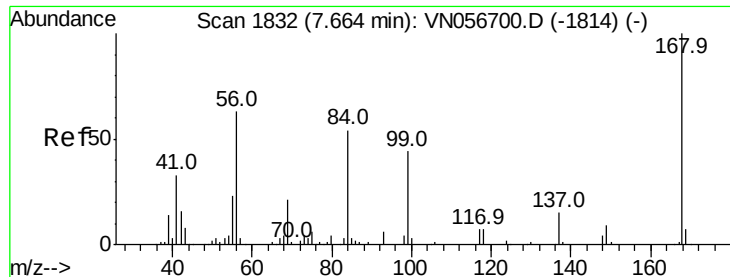
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 343381

Ion Ratio Lower Upper

168 100

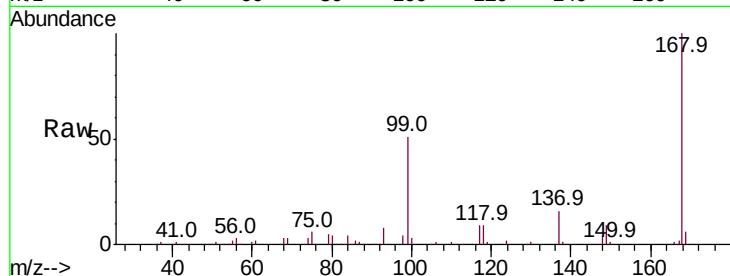
99 50.2 39.4 59.2

Manual Integrations

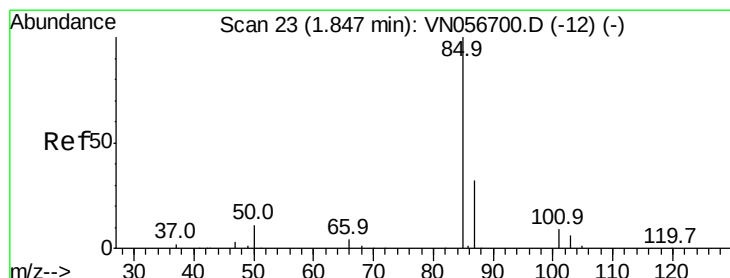
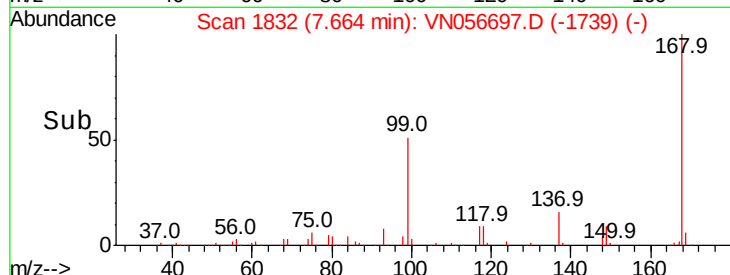
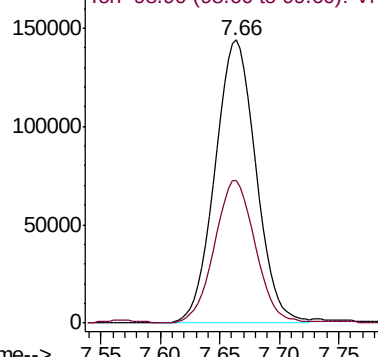
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Abundance Ion 167.90 (167.60 to 168.60): VN056697.D (-1739) (-)



#2

Dichlorodifluoromethane

Concen: 1.267 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056697.D

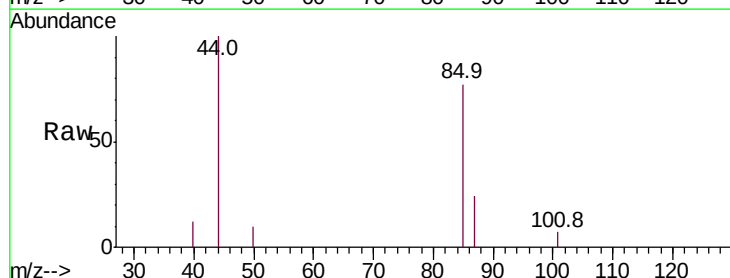
Acq: 15 Jul 2019 8:49

Tgt Ion: 85 Resp: 3701

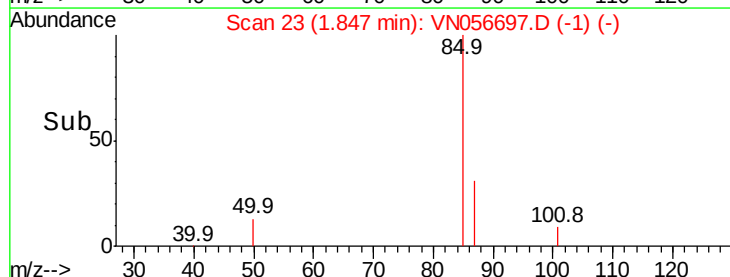
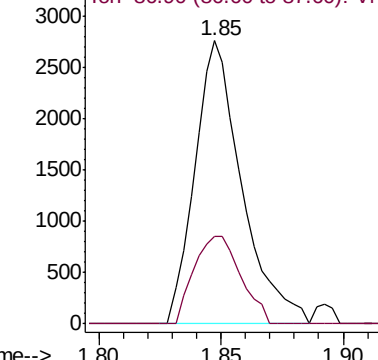
Ion Ratio Lower Upper

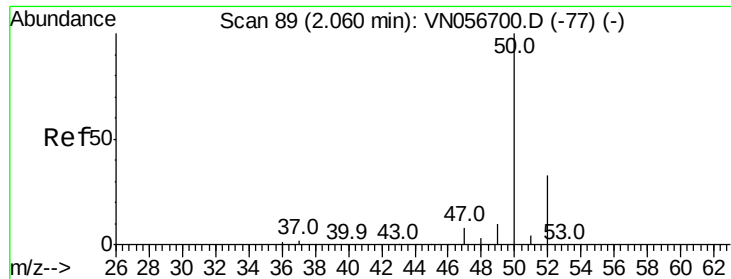
85 100

87 31.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN056697.D (-1) (-)





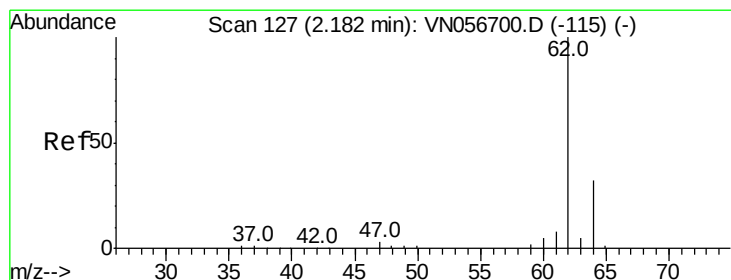
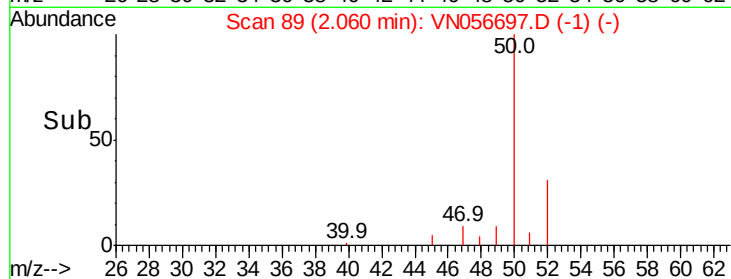
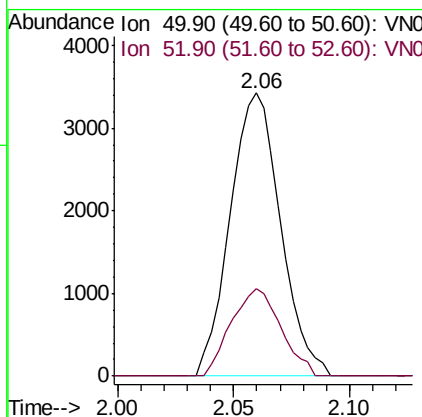
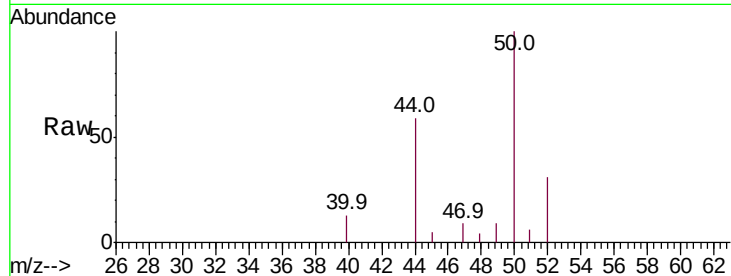
#3
Chloromethane
Concen: 1.295 ug/l
RT: 2.06 min Scan# 89
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 50 Resp: 5169
Ion Ratio Lower Upper
50 100
52 30.8 26.5 39.7

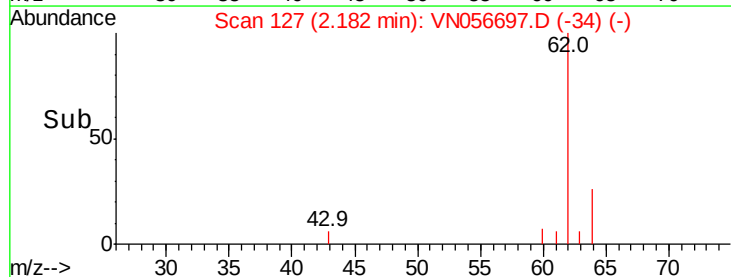
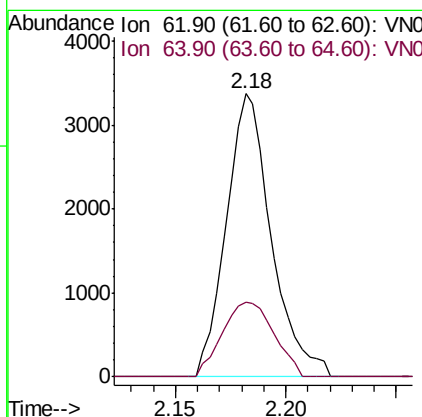
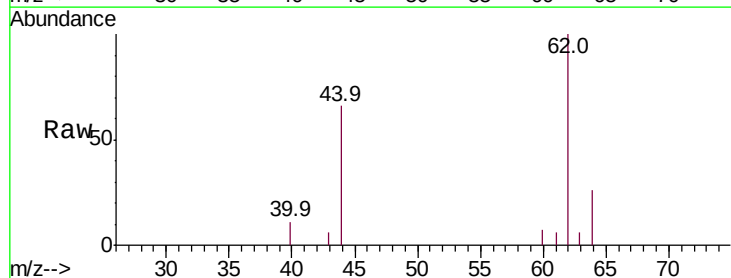
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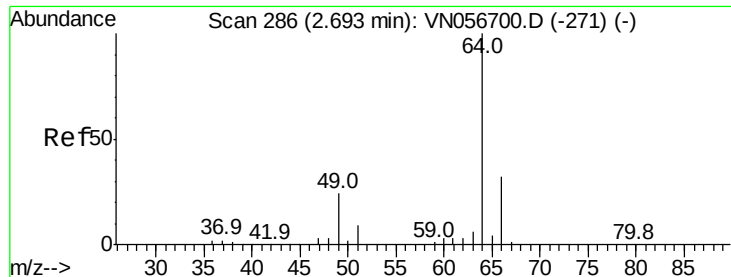
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#4
Vinyl Chloride
Concen: 1.240 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion: 62 Resp: 4775
Ion Ratio Lower Upper
62 100
64 26.4 25.6 38.4





#6

Chloroethane

Concen: 1.332 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 2960

Ion Ratio Lower Upper

64 100

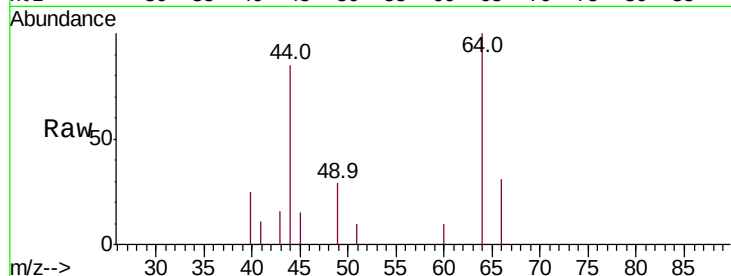
66 30.6 25.8 38.8

Manual Integrations

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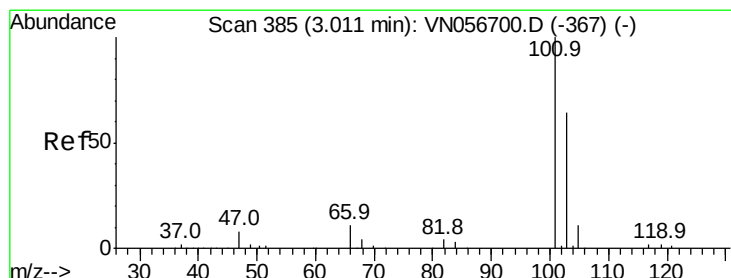
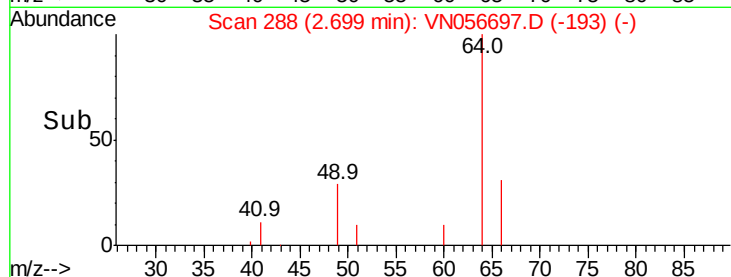
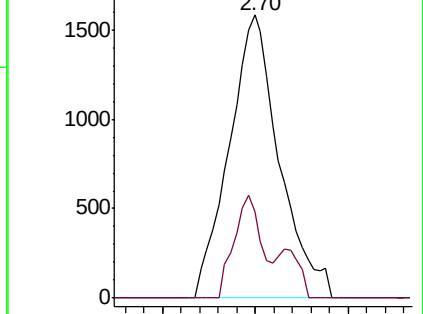
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Abundance Ion 63.90 (63.60 to 64.60): VN056697.D (-271) (-)

Ion 65.90 (65.60 to 66.60): VN056697.D (-271) (-)



#7

Trichlorofluoromethane

Concen: 1.246 ug/l

RT: 3.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VN056697.D

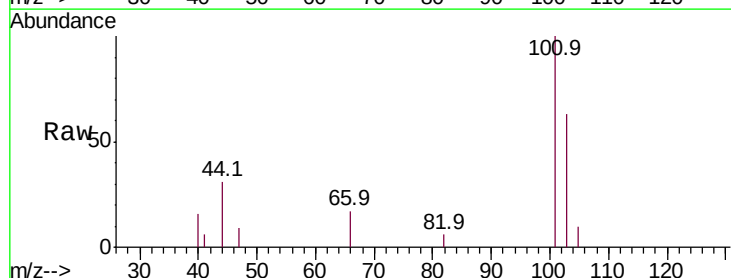
Acq: 15 Jul 2019 8:49

Tgt Ion: 101 Resp: 6202

Ion Ratio Lower Upper

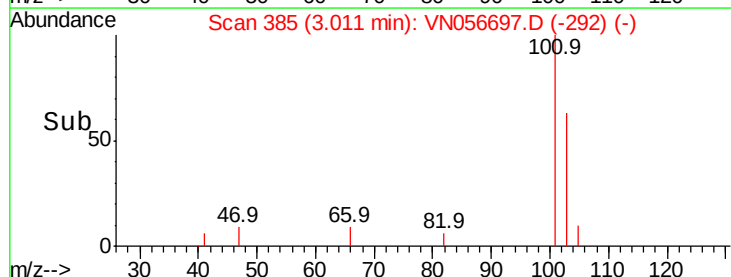
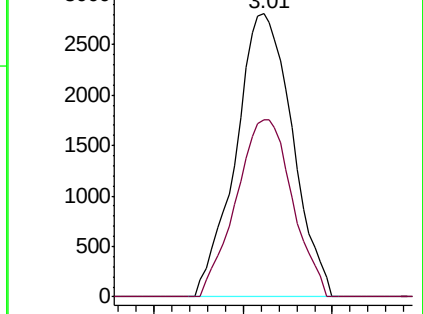
101 100

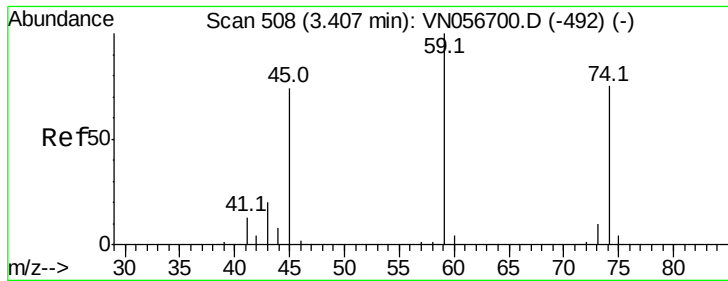
103 62.8 51.5 77.3



Abundance Ion 100.90 (100.60 to 101.60): VN056697.D (-367) (-)

Ion 102.80 (102.50 to 103.50): VN056697.D (-367) (-)





#8

Diethyl Ether

Concen: 1.040 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2180

Ion Ratio Lower Upper

74 100

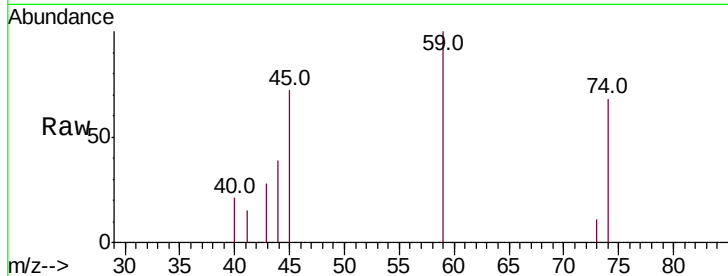
45 101.2 49.4 148.2

Manual Integrations

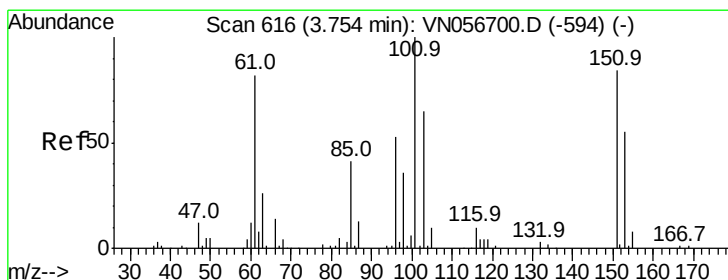
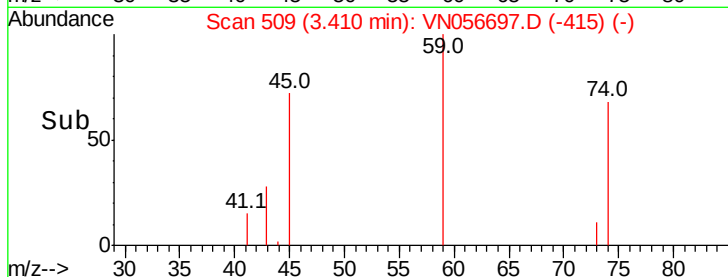
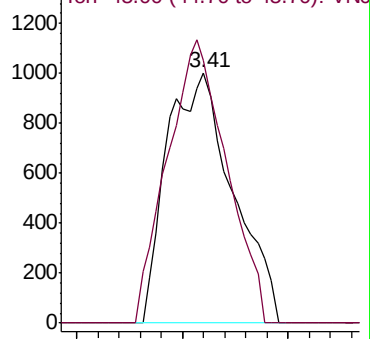
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Abundance Ion 74.00 (73.70 to 74.70): VN056697.D (-492) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.151 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

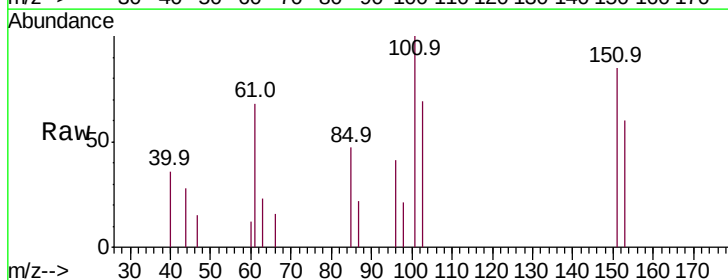
Tgt Ion: 101 Resp: 3636

Ion Ratio Lower Upper

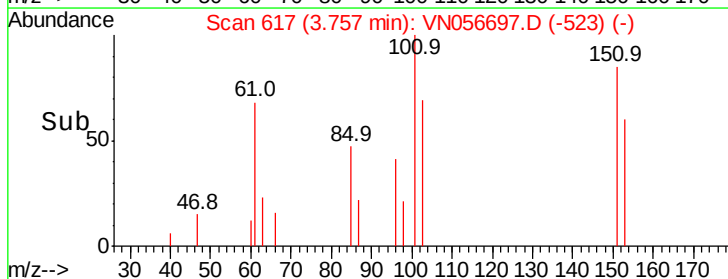
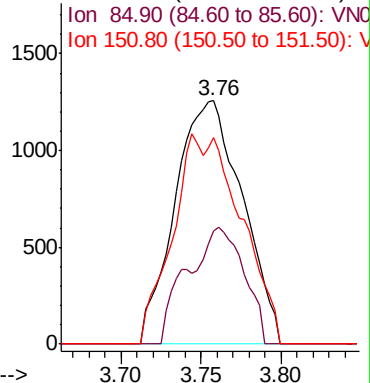
101 100

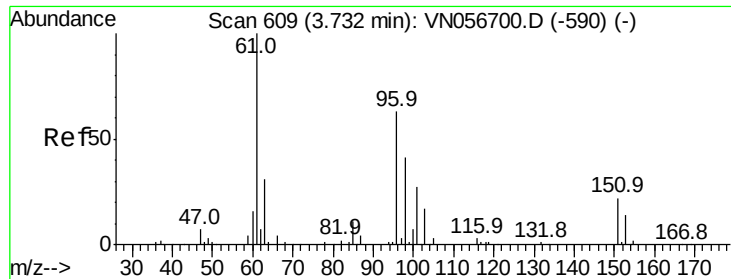
85 40.6 33.3 49.9

151 40.0 67.0 100.6#



Abundance Ion 100.90 (100.60 to 101.60): VN056697.D (-594) (-)





#12

1,1-Dichloroethene

Concen: 1.177 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

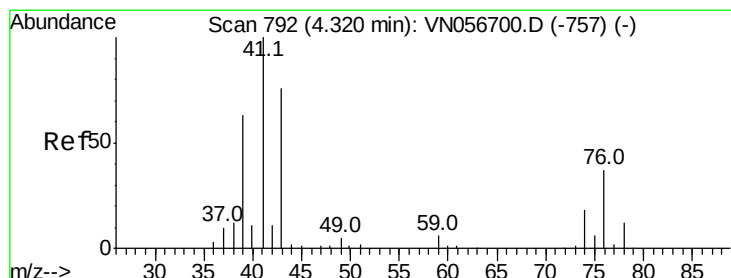
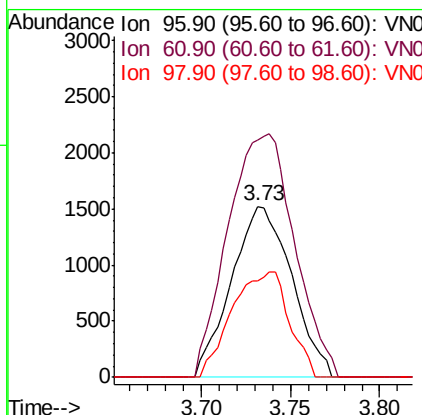
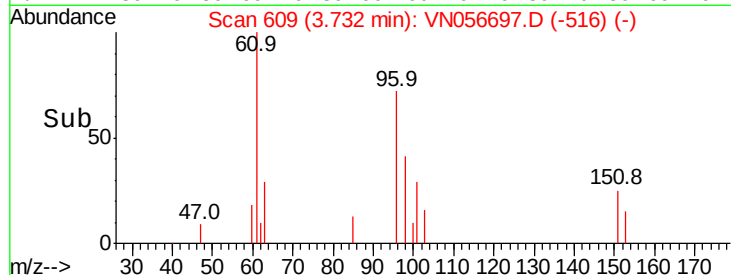
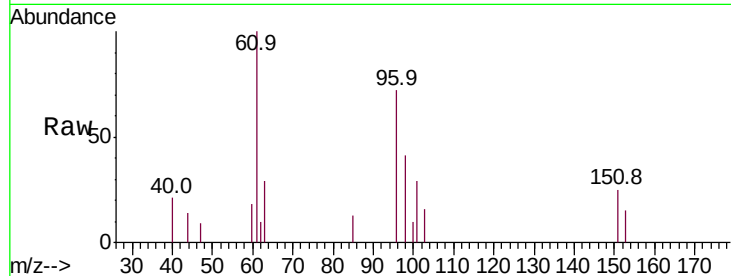
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	3582
Ion	Ratio	Lower	Upper
96	100		
61	138.1	126.6	189.8
98	56.3	51.4	77.2

Manual Integrations
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#14

Allyl chloride

Concen: 1.171 ug/l

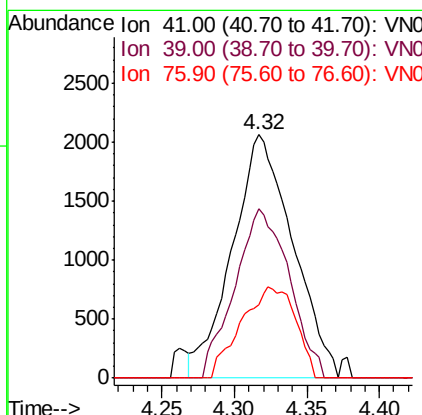
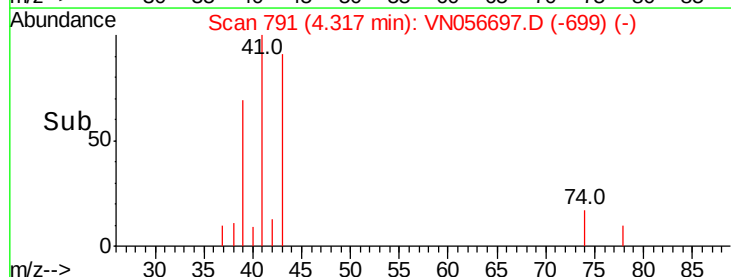
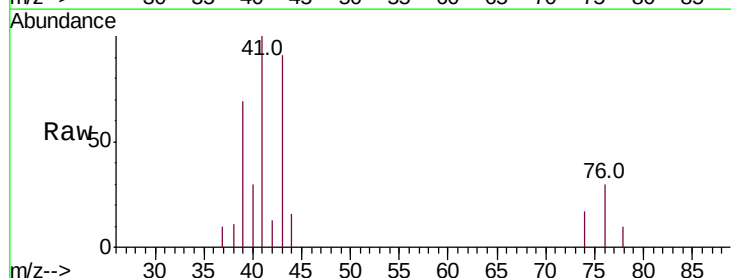
RT: 4.32 min Scan# 791

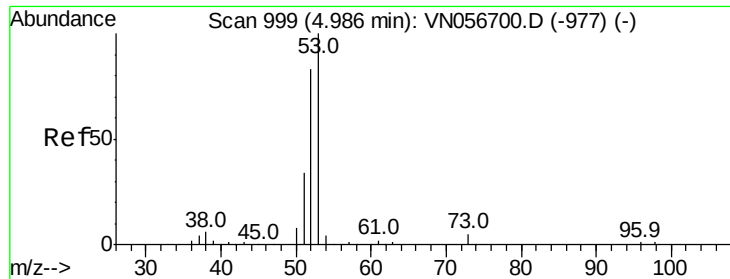
Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	41	Resp:	5983
Ion	Ratio	Lower	Upper
41	100		
39	62.5	46.9	70.3
76	33.6	26.5	39.7





#15

Acrylonitrile

Concen: 5.102 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

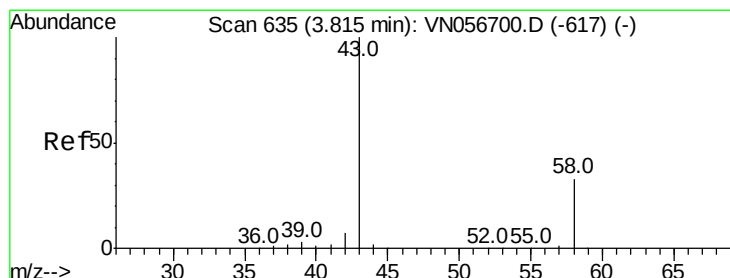
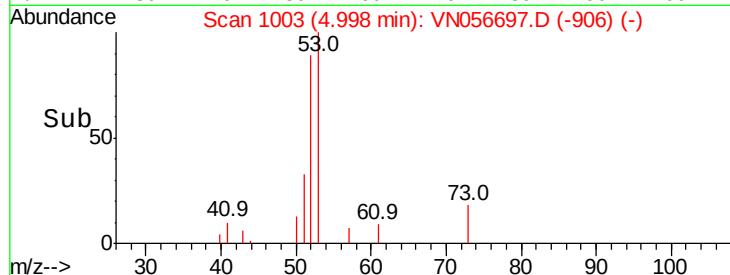
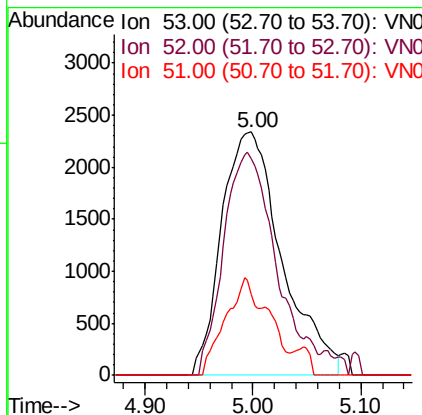
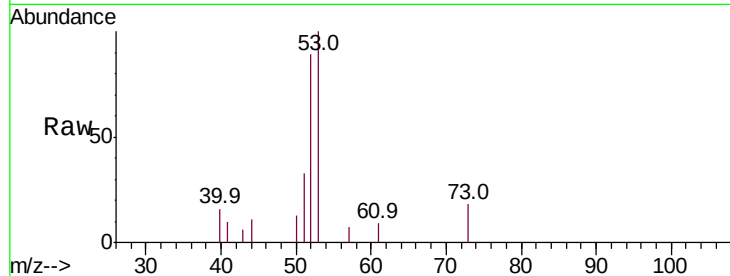
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	9088
Ion	Ratio	Lower	Upper
53	100		
52	79.4	66.6	99.8
51	28.8	28.4	42.6

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#16

Acetone

Concen: 5.251 ug/l

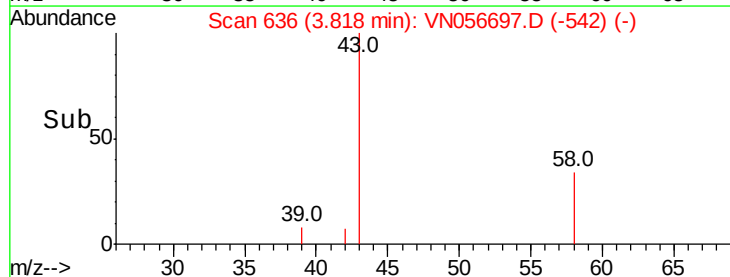
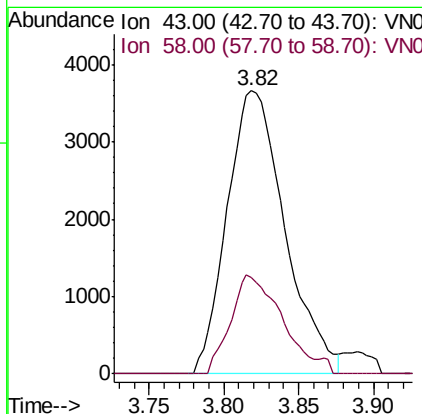
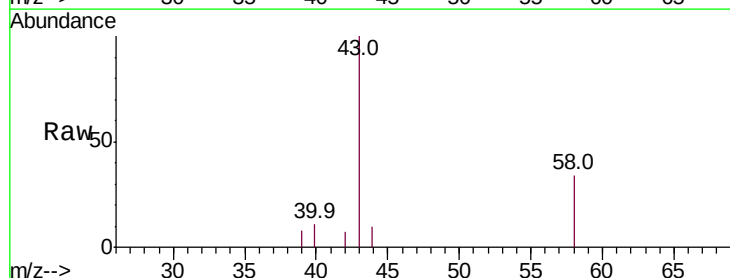
RT: 3.82 min Scan# 636

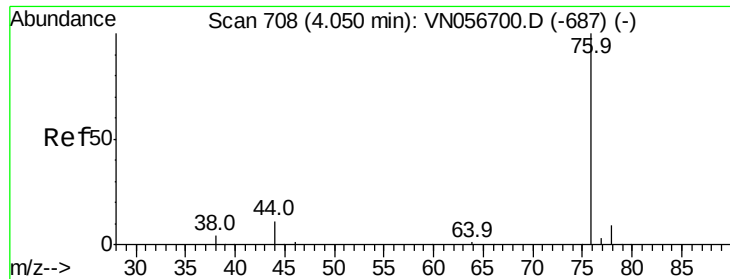
Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	43	Resp:	9859
Ion	Ratio	Lower	Upper
43	100		
58	34.1	26.7	40.1





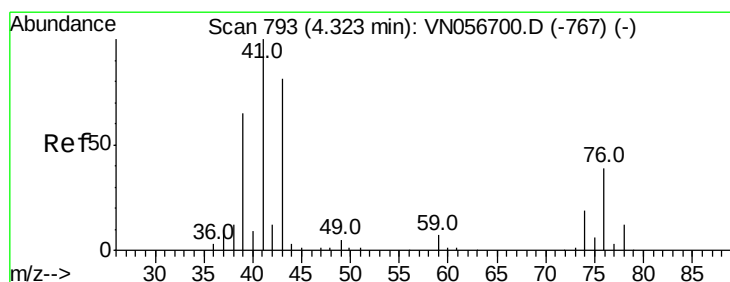
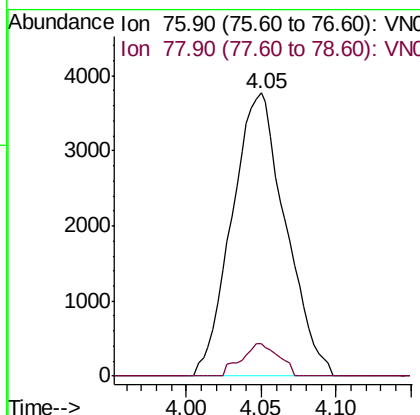
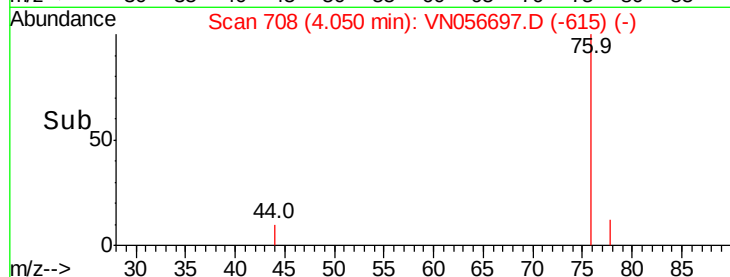
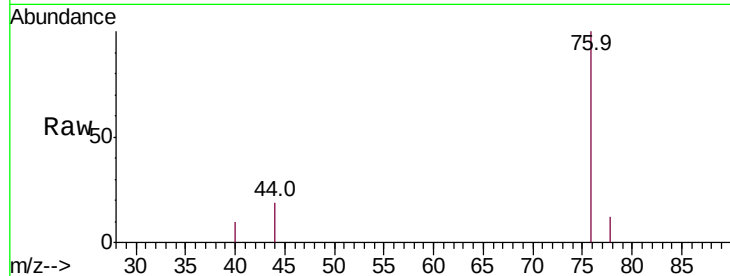
#17
Carbon Disulfide
Concen: 1.323 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 76 Resp: 9396
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.0#

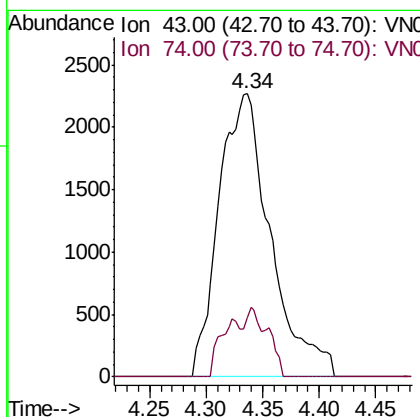
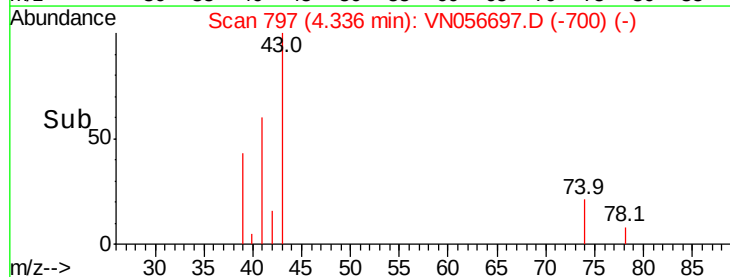
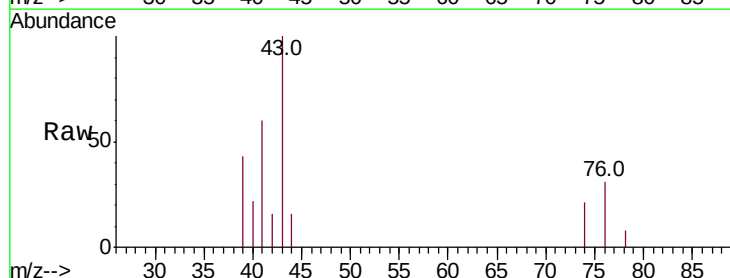
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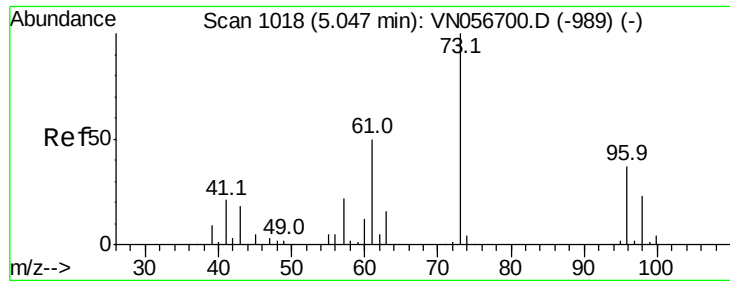
MMDadoda
7/17/2019 1:31:13 AM



#18
Methyl Acetate
Concen: 1.500 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion: 43 Resp: 7218
Ion Ratio Lower Upper
43 100
74 10.3 18.9 28.3#





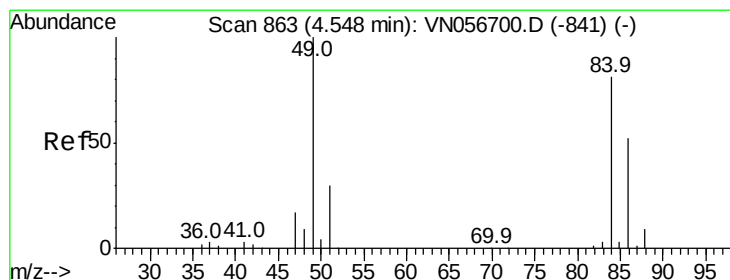
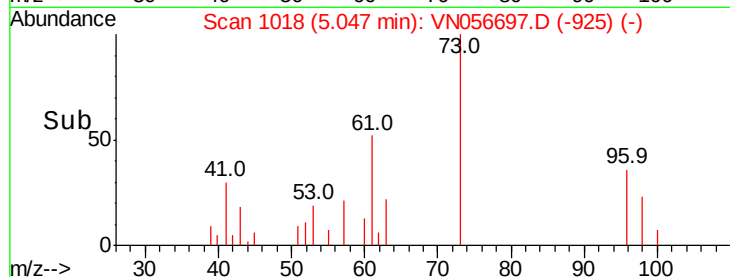
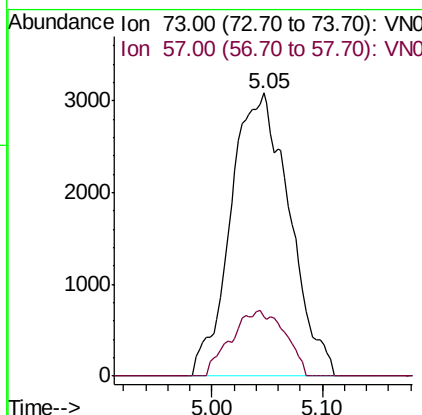
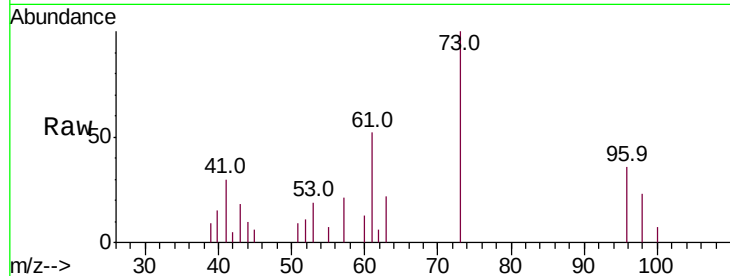
#19
Methyl tert-butyl Ether
Concen: 1.131 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	17.9	26.9

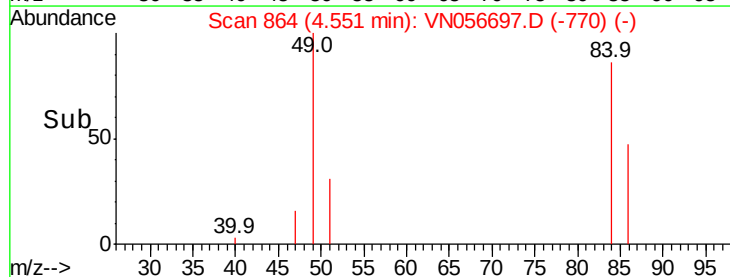
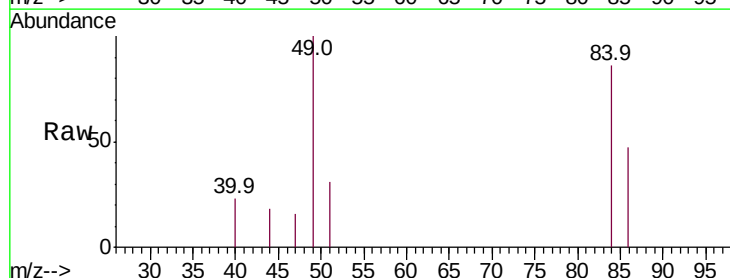
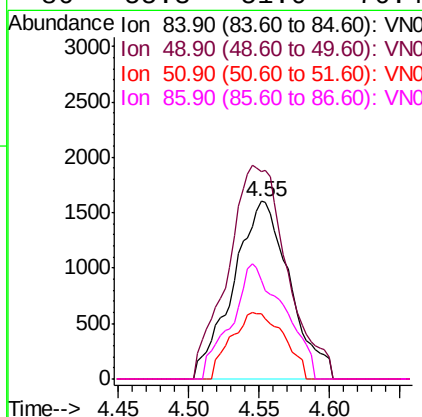
Manual Integrations
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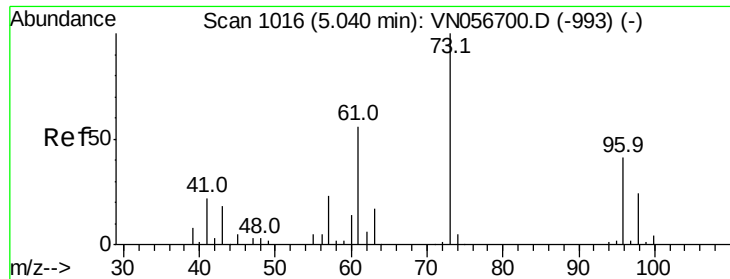
MMDadoda
7/17/2019 1:31:13 AM



#20
Methylene Chloride
Concen: 1.148 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	98.2	147.4
51	36.6	29.6	44.4
86	55.3	51.0	76.4





#21

trans-1,2-Dichloroethene

Concen: 1.090 ug/l m

RT: 5.05 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 96 Resp: 3582

Ion Ratio Lower Upper

96 100

61 144.8 109.4 164.2

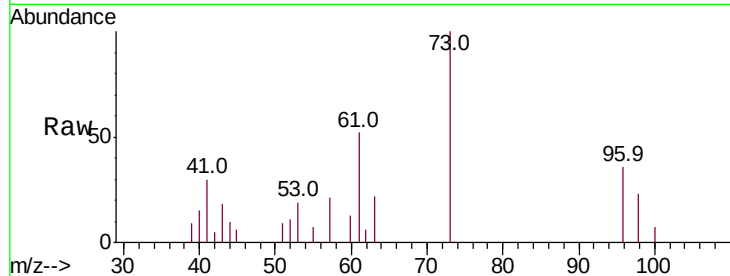
98 63.5 48.0 72.0

Manual Integrations

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MMDadoda

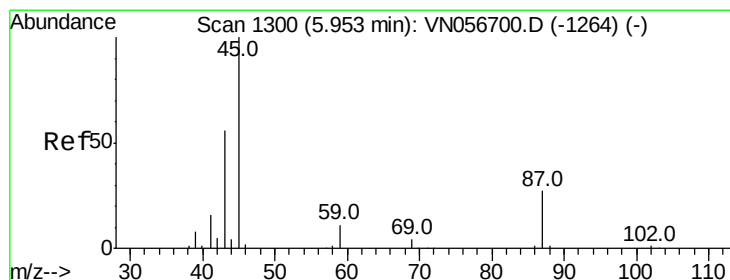
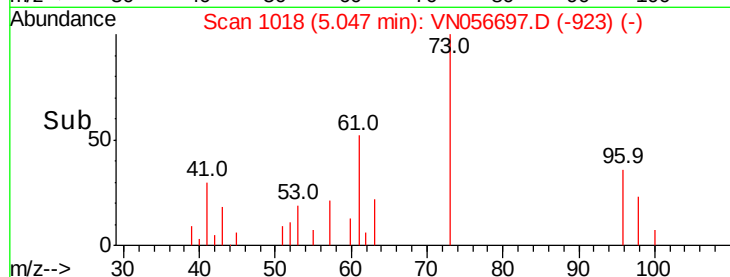
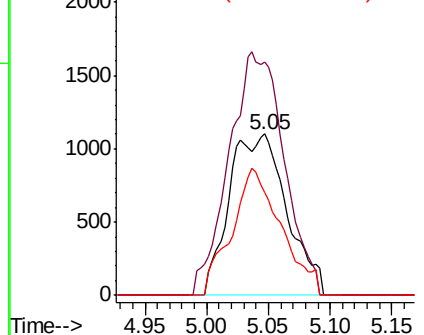
7/17/2019 1:31:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN056697.D (-1207) (-)

Ion 60.90 (60.60 to 61.60): VN056697.D (-1207) (-)

Ion 97.90 (97.60 to 98.60): VN056697.D (-1207) (-)



#22

Diisopropyl ether

Concen: 1.052 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion: 45 Resp: 11234

Ion Ratio Lower Upper

45 100

43 78.1 45.6 68.4#

87 31.8 22.0 33.0

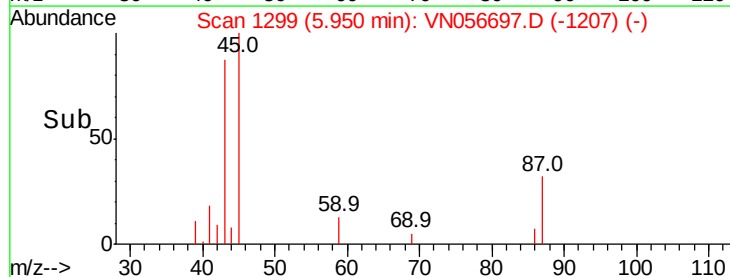
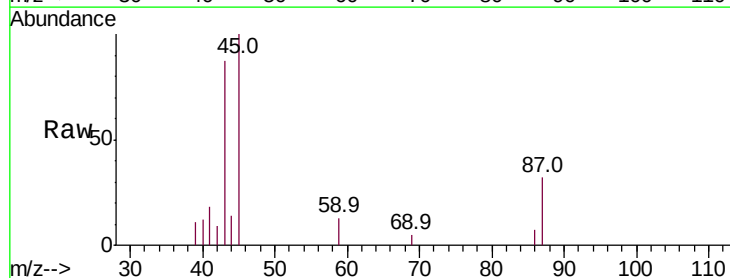
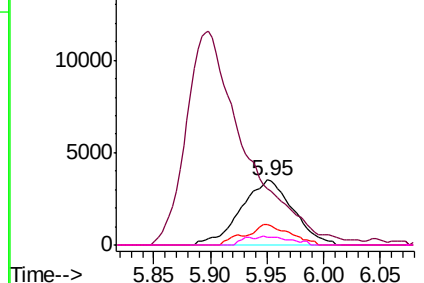
59 12.7 9.3 13.9

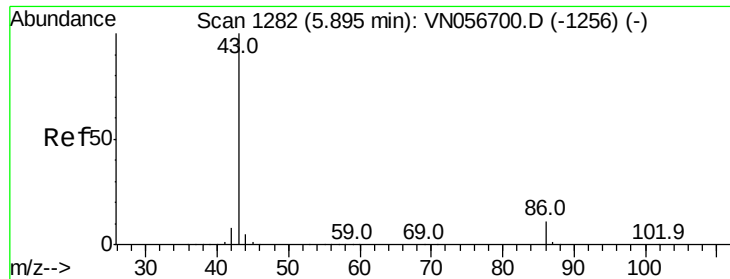
Abundance Ion 45.00 (44.70 to 45.70): VN056697.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN056697.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN056697.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN056697.D (-1207) (-)





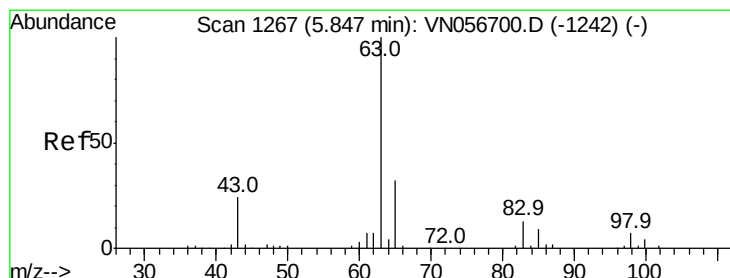
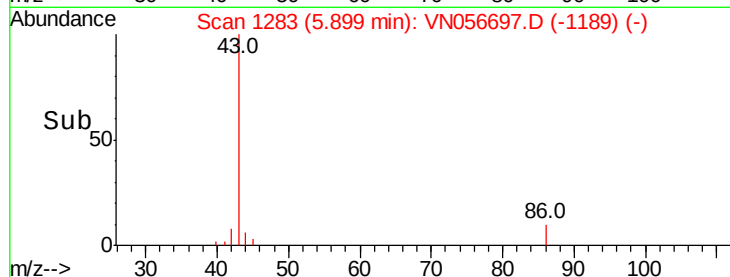
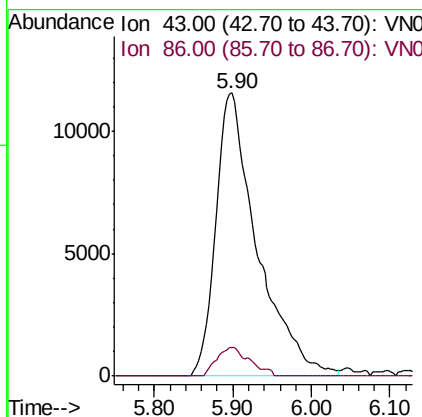
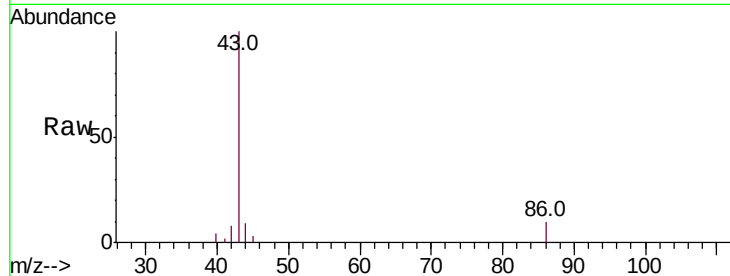
#23
 Vinyl Acetate
 Concen: 5.009 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	42202
Ion Ratio	100	Lower	Upper
86	10.2	8.5	12.7

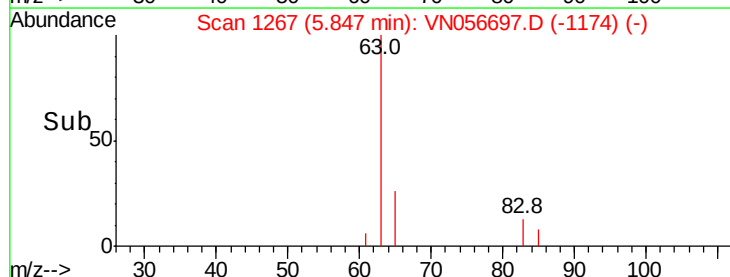
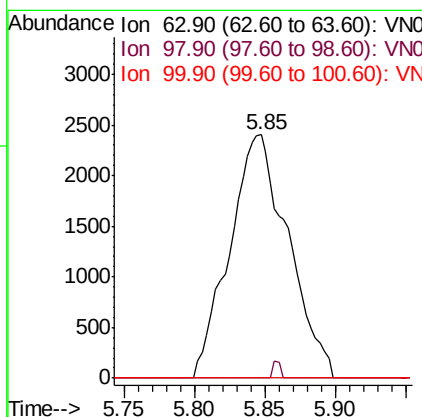
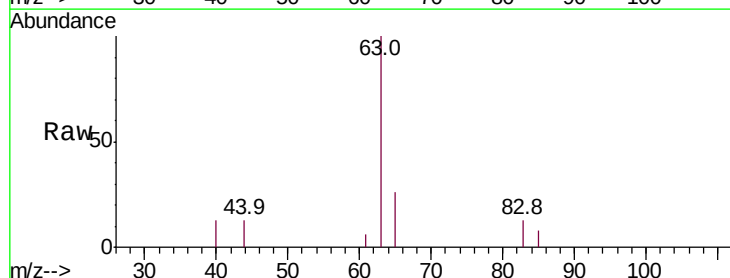
Manual Integrations
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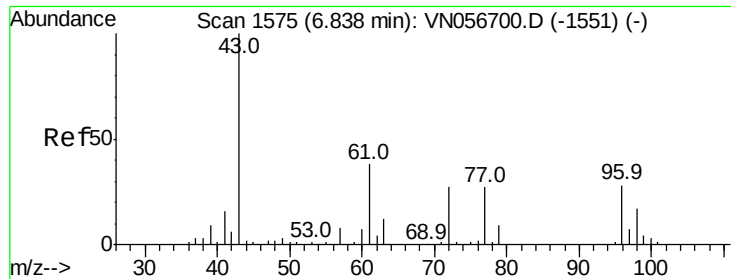
MMDadoda
 7/17/2019 1:31:13 AM



#24
 1,1-Dichloroethane
 Concen: 1.138 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	63	Resp	6964
Ion Ratio	100	Lower	Upper
98	0.0	3.3	9.9#
100	0.0	2.0	5.8#





#25

2-Butanone

Concen: 5.149 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 12971

Ion Ratio Lower Upper

43 100

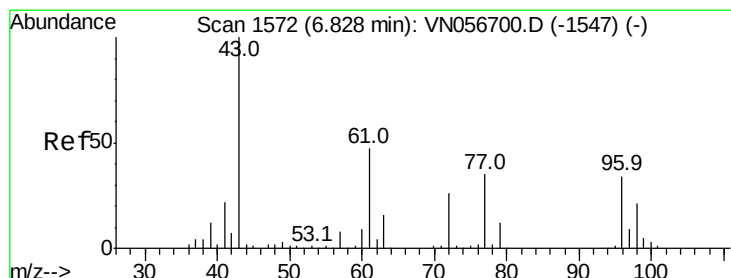
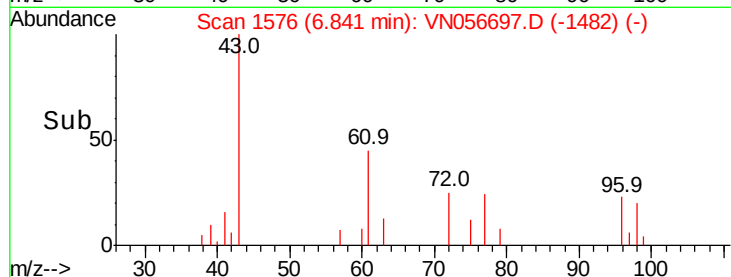
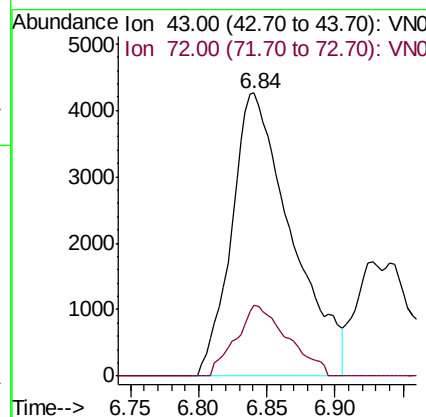
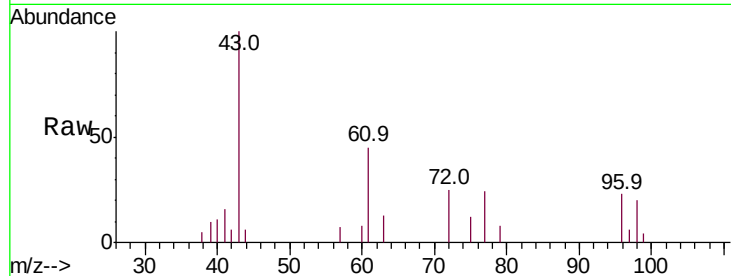
72 25.0 21.2 31.8

Manual Integrations

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MMDadoda

7/17/2019 1:31:13 AM



#26

2,2-Dichloropropane

Concen: 1.108 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN056697.D

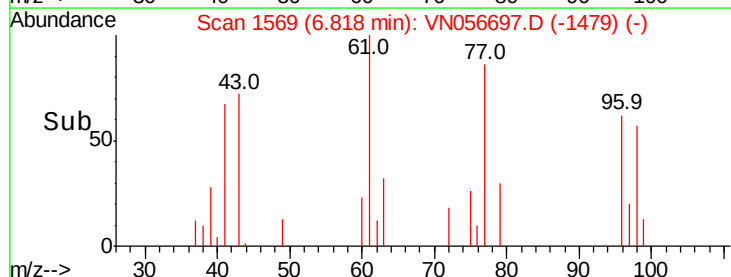
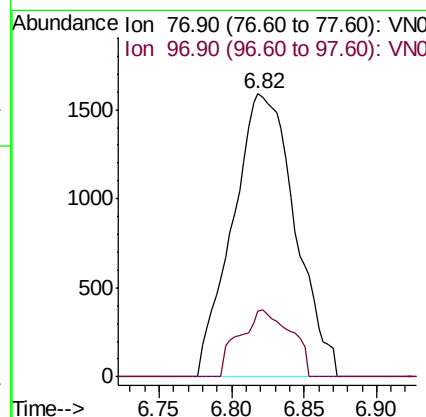
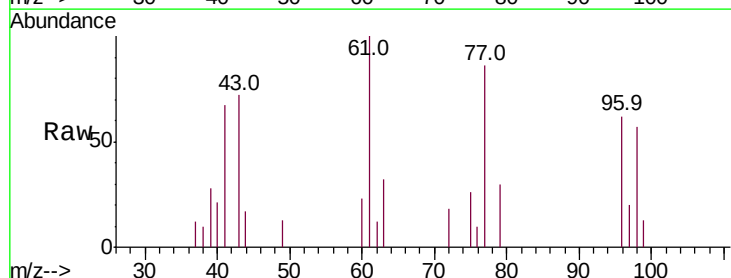
Acq: 15 Jul 2019 8:49

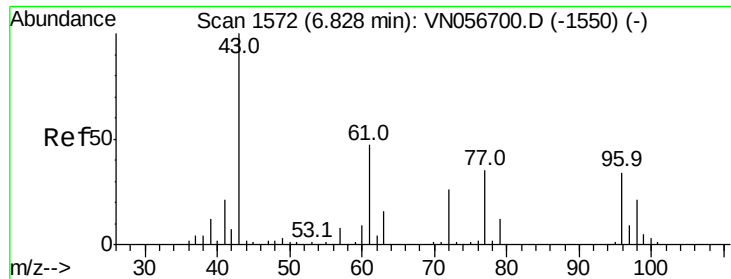
Tgt Ion: 77 Resp: 4759

Ion Ratio Lower Upper

77 100

97 19.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 1.035 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

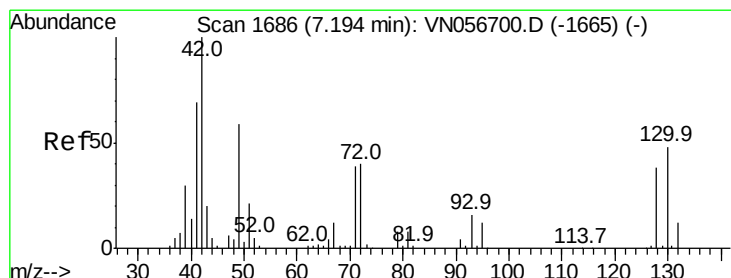
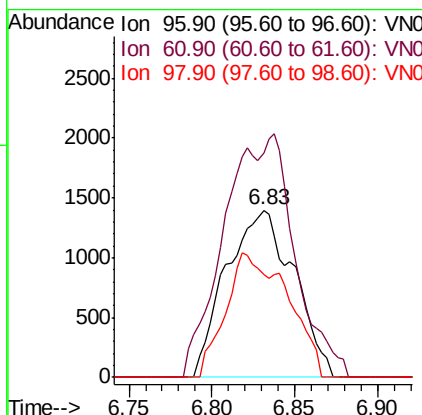
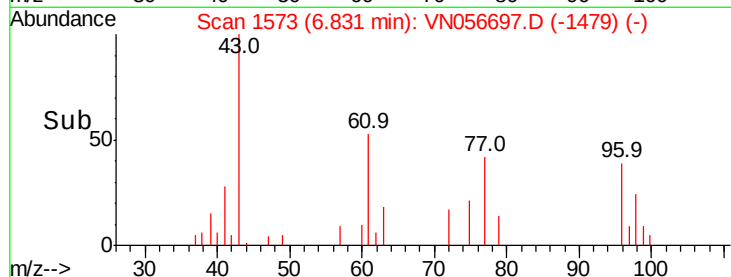
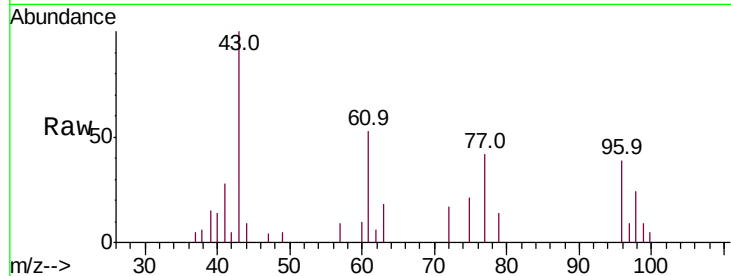
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	3967
Ion	Ratio	Lower	Upper
96	100		
61	79.1	0.0	281.4
98	43.7	0.0	127.8

Manual Integrations
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MMDadoda
7/17/2019 1:31:13 AM



#28

Bromochloromethane

Concen: 1.000 ug/l

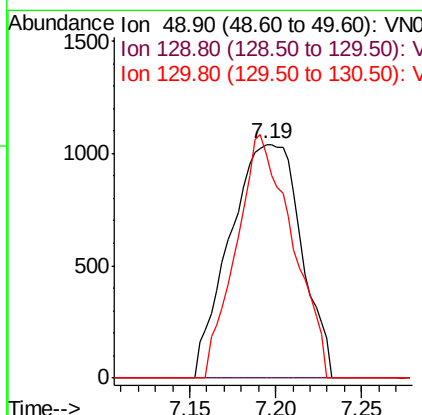
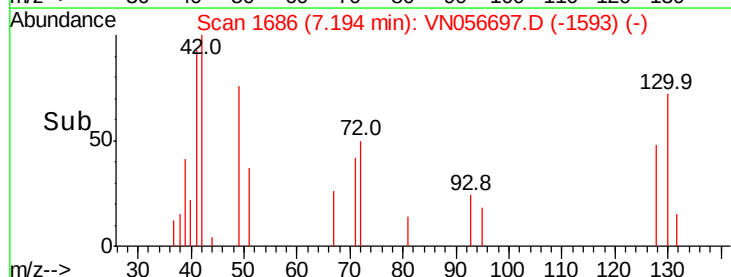
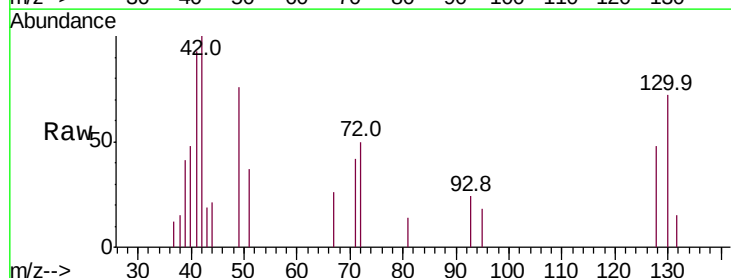
RT: 7.19 min Scan# 1686

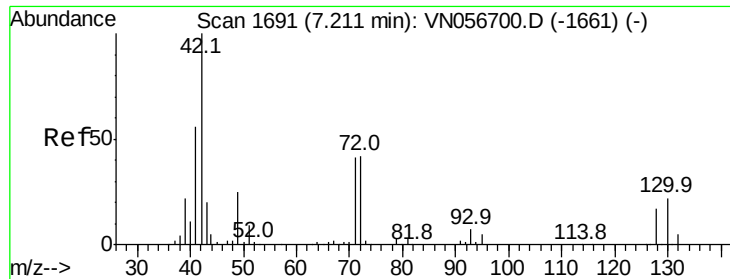
Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	49	Resp:	3003
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	81.8	64.7	97.1





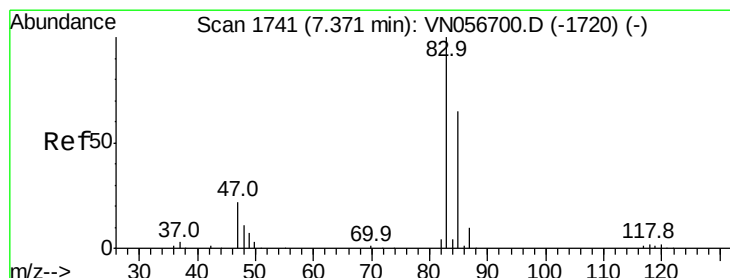
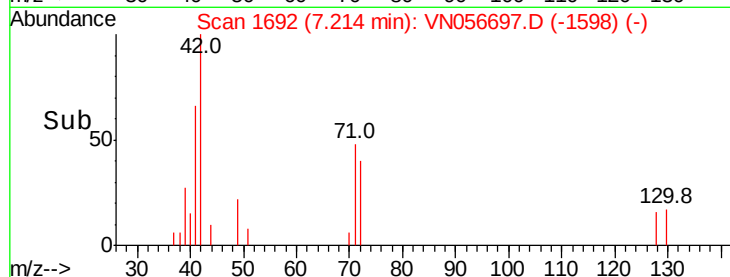
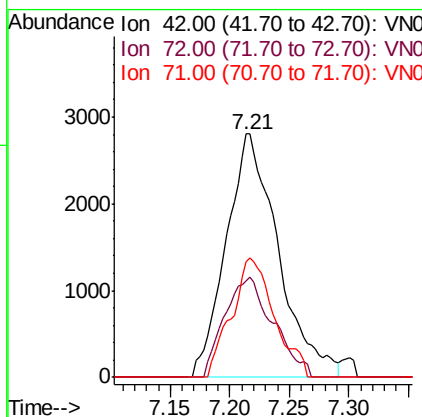
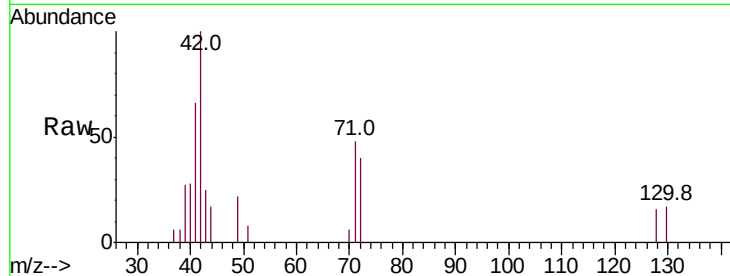
#29
Tetrahydrofuran
Concen: 5.464 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.2	33.5	50.3
71	40.2	31.8	47.8

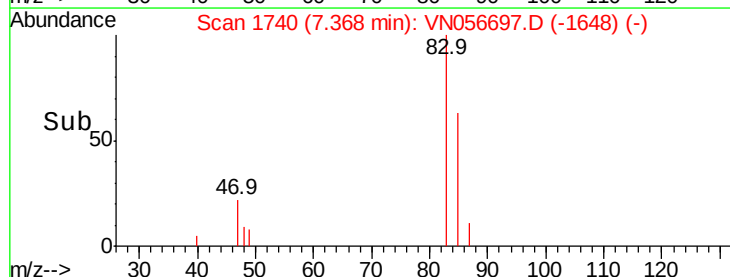
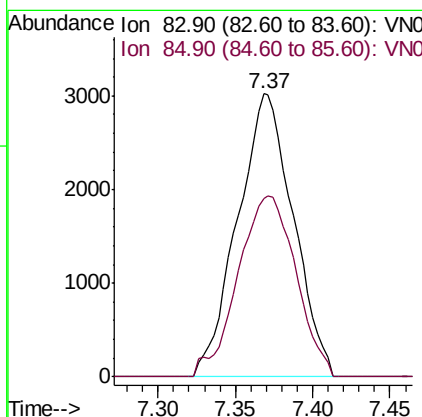
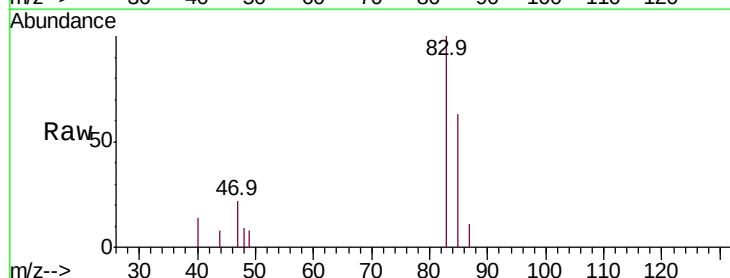
Manual Integrations
APPROVED

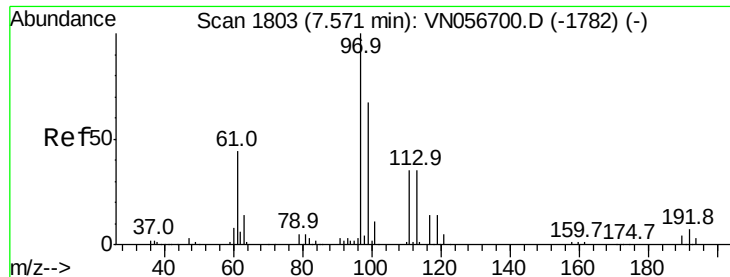
MMDadoda
7/17/2019 1:31:13 AM



#30
Chloroform
Concen: 1.256 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.9	77.9





#32

1,1,1-Trichloroethane

Concen: 1.082 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 5186

Ion Ratio Lower Upper

97 100

99 0.0 52.0 78.0#

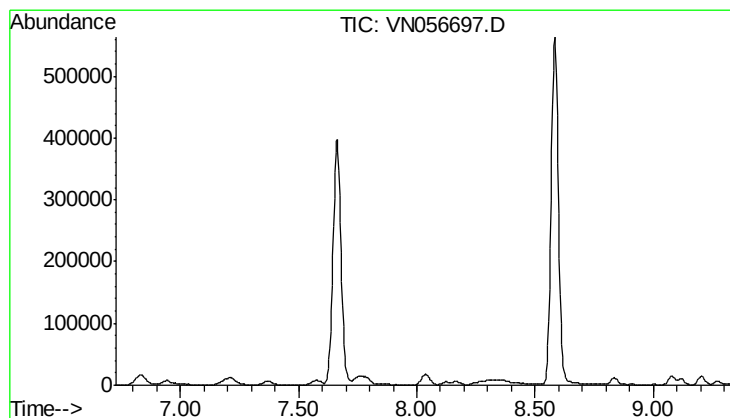
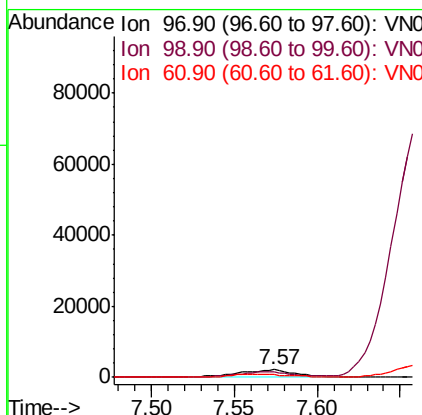
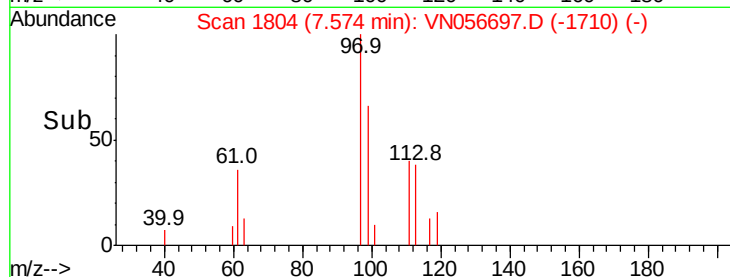
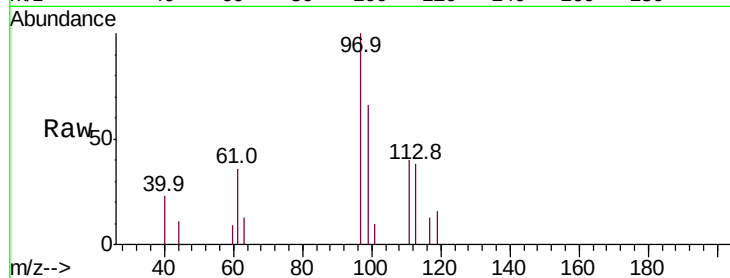
61 44.1 34.3 51.5

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#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.03 min

Lab File: VN056697.D

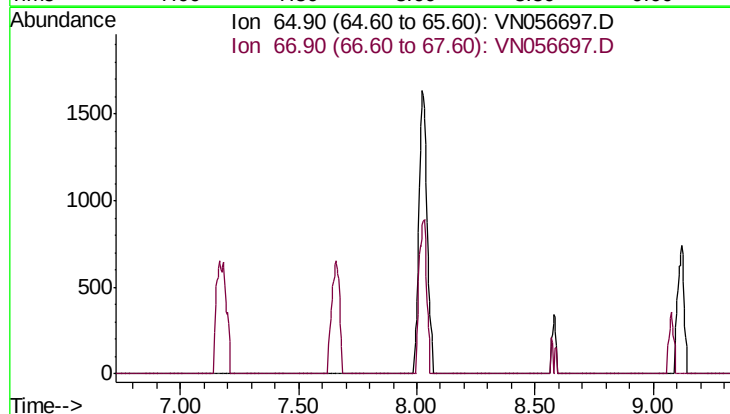
Acq: 15 Jul 2019 8:49

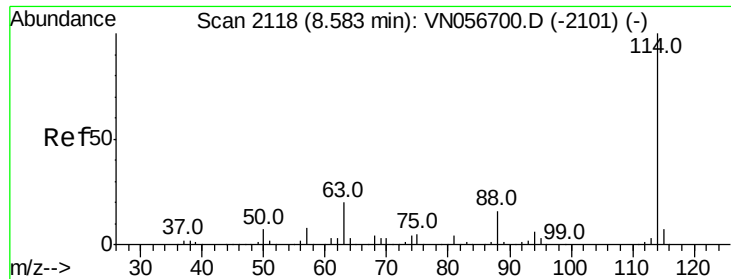
Tgt Ion: 65

Sig Exp Ratio

65 100

67 54.5





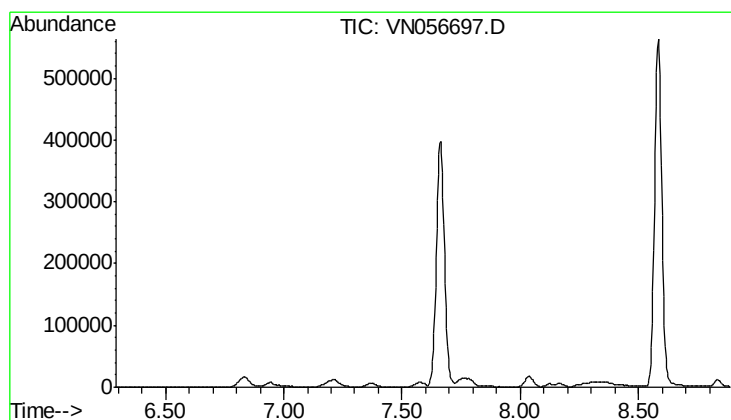
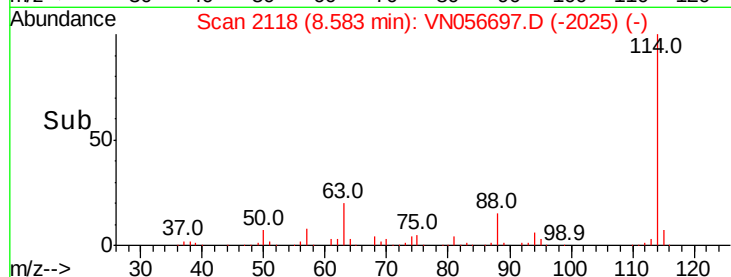
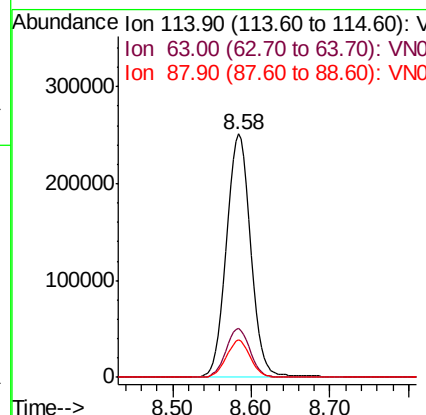
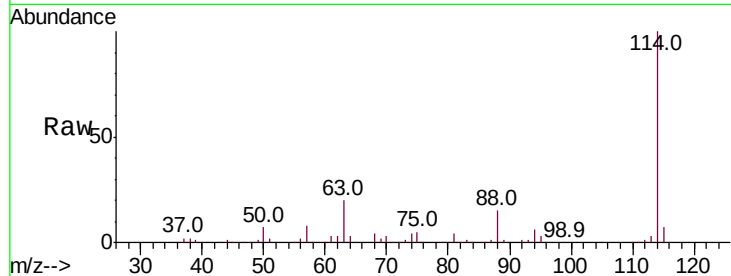
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	19.9	0.0	39.4
88	15.2	0.0	31.2

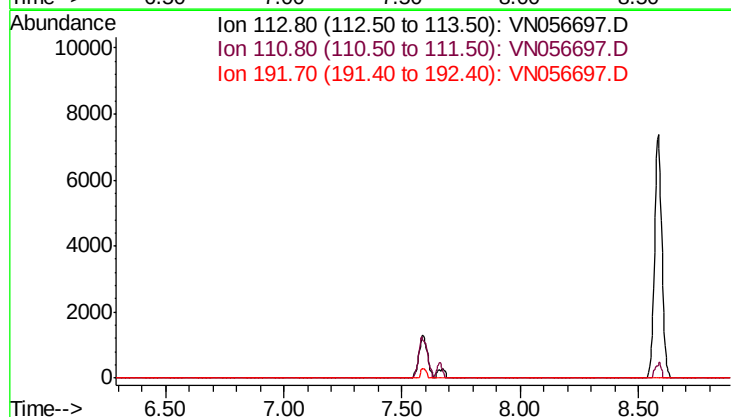
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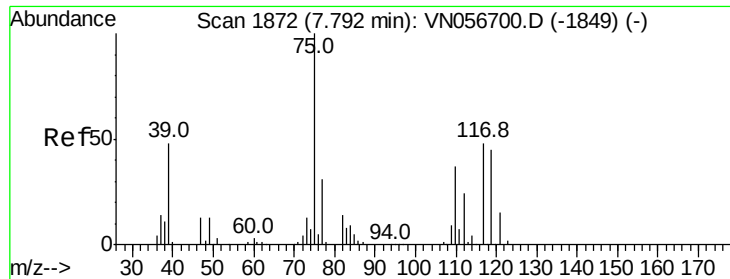
MMDadoda
 7/17/2019 1:31:13 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.59 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Exp Ratio
113	100
111	102.2
192	21.9





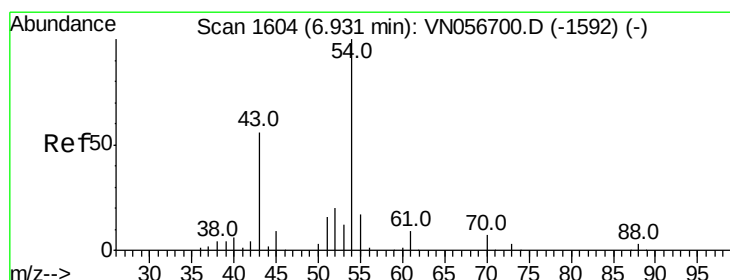
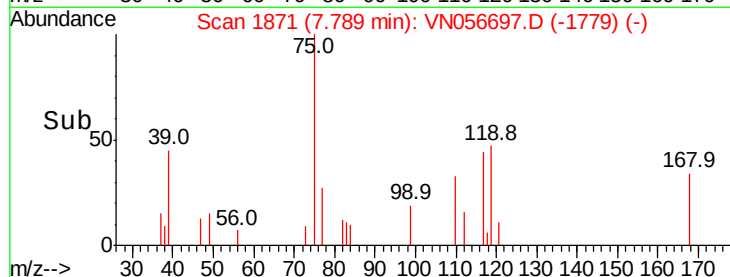
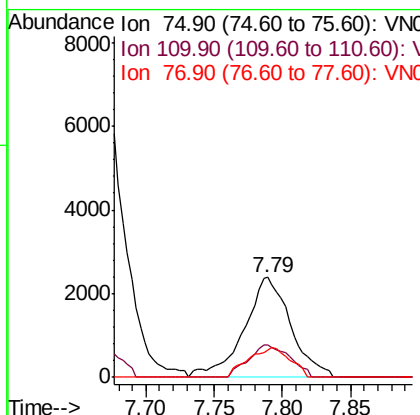
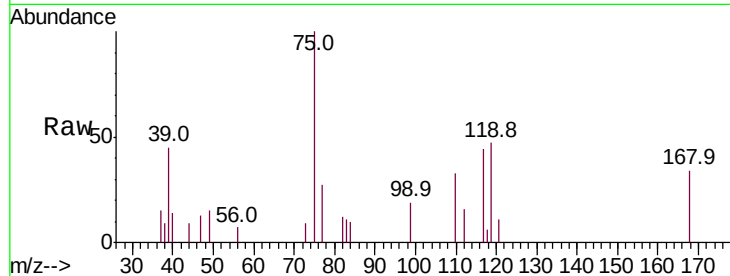
#36
 1,1-Dichloropropene
 Concen: 1.190 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.1	18.4	55.4
77	26.6	24.6	36.8

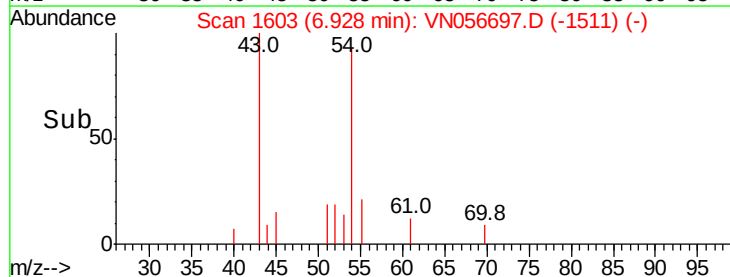
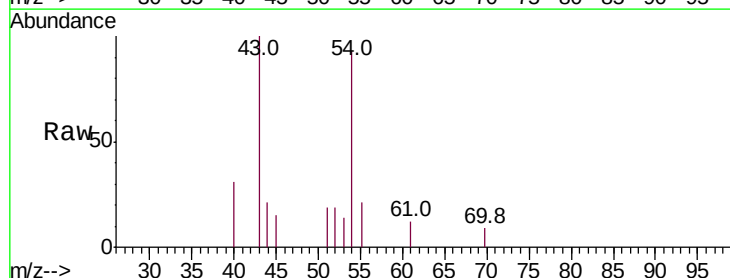
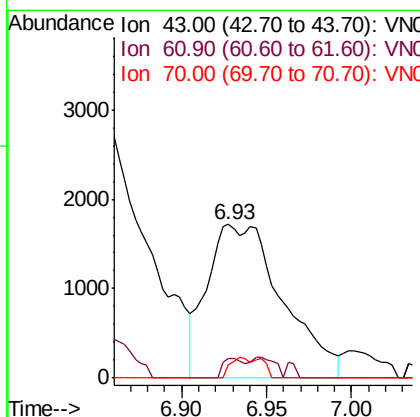
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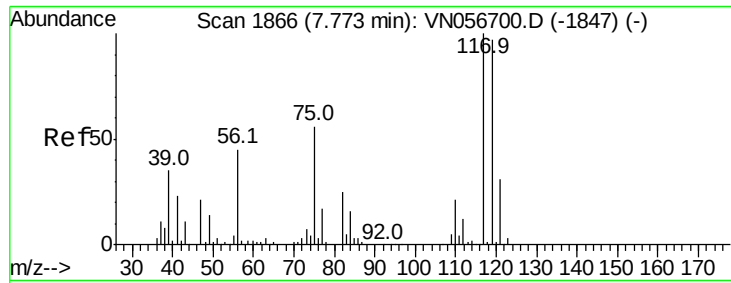
MMDadoda
 7/17/2019 1:31:13 AM



#37
 Ethyl Acetate
 Concen: 1.130 ug/l m
 RT: 6.93 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.5	11.3	16.9#
70	3.6	8.5	12.7#





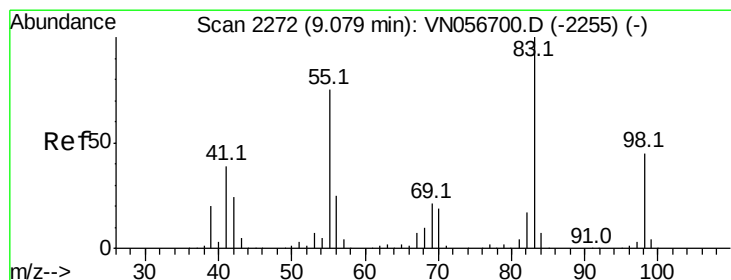
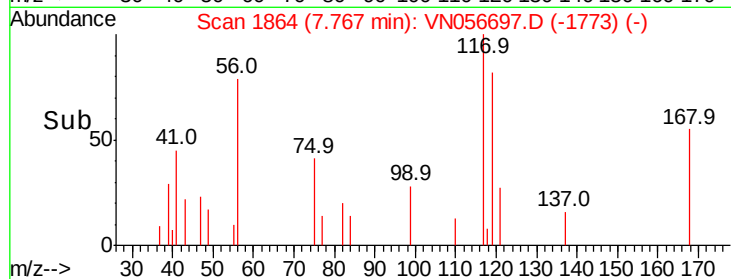
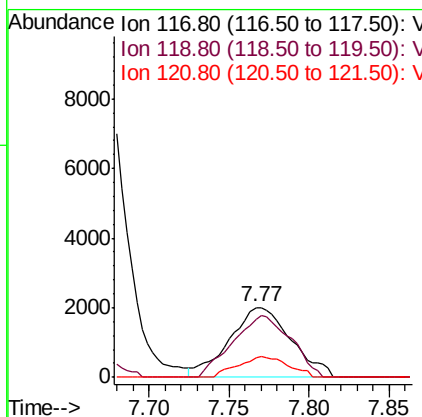
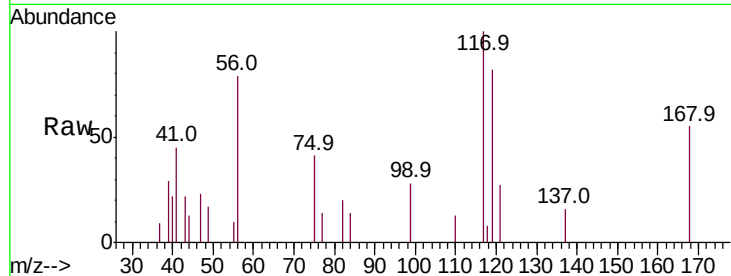
#38
Carbon Tetrachloride
Concen: 1.257 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	82.3	77.5	116.3
121	27.4	24.7	37.1

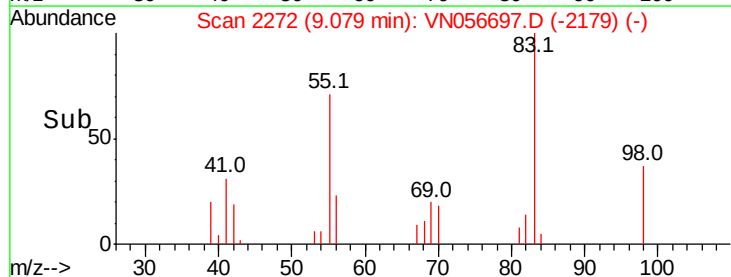
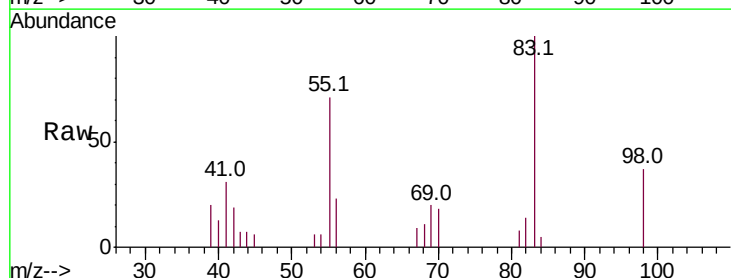
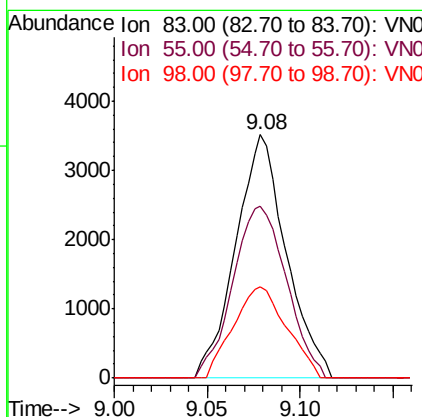
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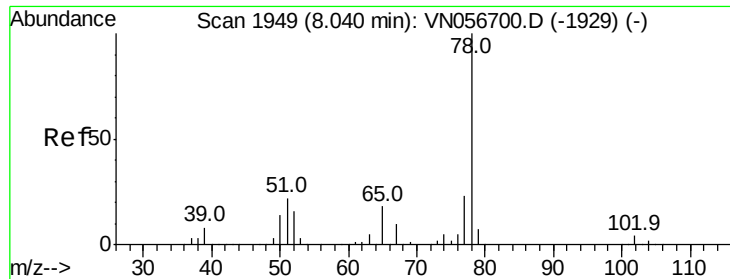
MMDadoda
7/17/2019 1:31:13 AM



#39
Methylcyclohexane
Concen: 1.129 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	70.6	60.4	90.6
98	37.3	35.8	53.8





#40

Benzene

Concen: 1.136 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 16606

Ion Ratio Lower Upper

78 100

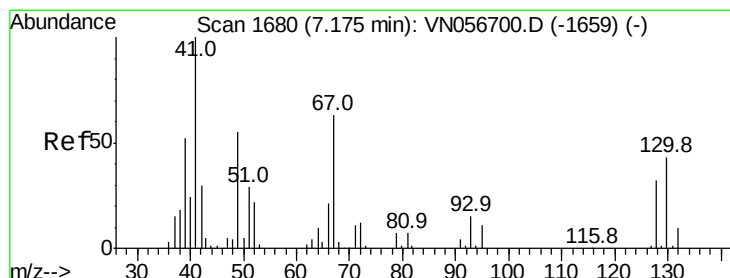
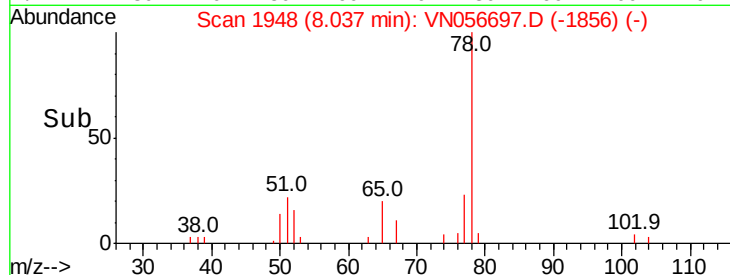
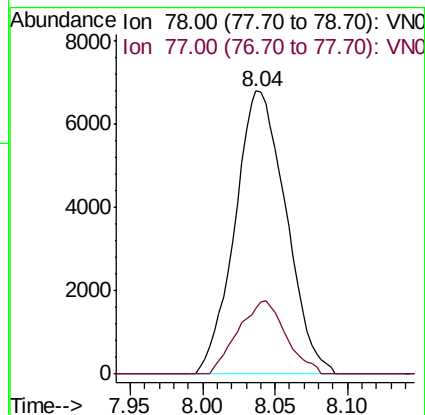
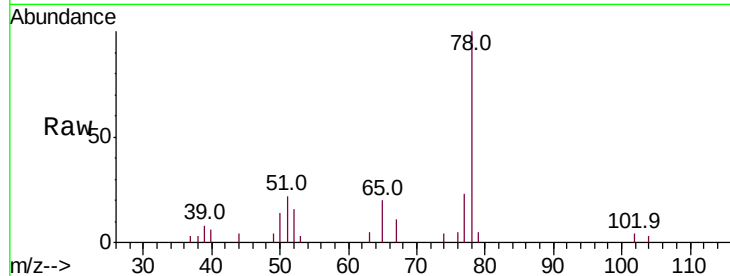
77 23.0 18.6 27.8

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7/17/2019 1:31:13 AM



#41

Methacrylonitrile

Concen: 0.918 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion: 41 Resp: 1876

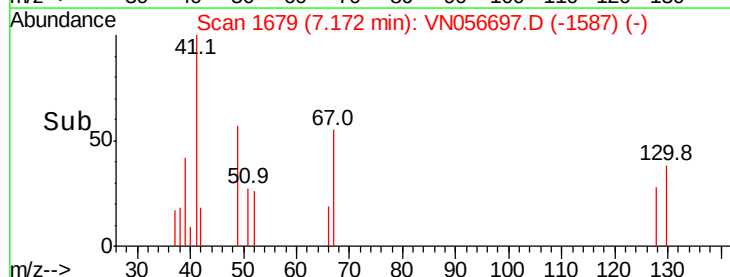
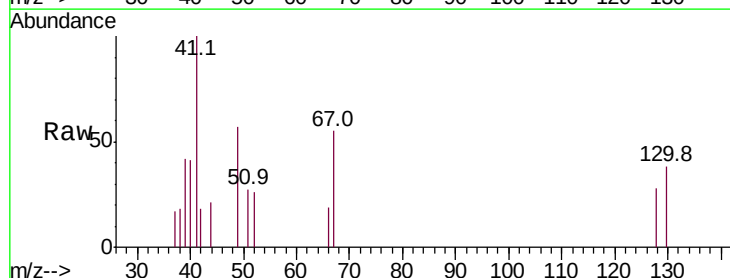
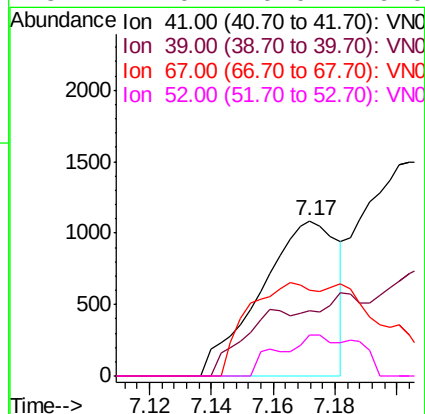
Ion Ratio Lower Upper

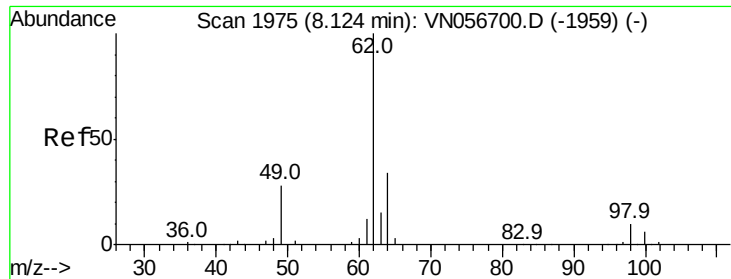
41 100

39 27.5 0.0 0.0#

67 54.8 0.0 0.0#

52 27.0 0.0 0.0#





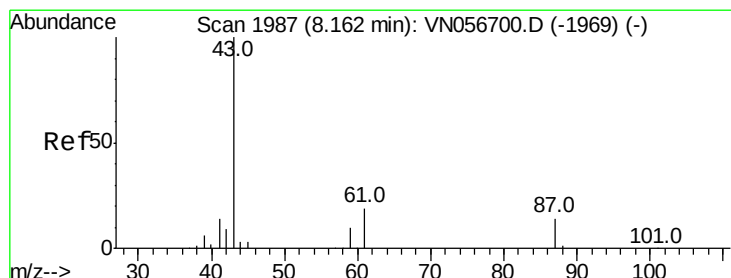
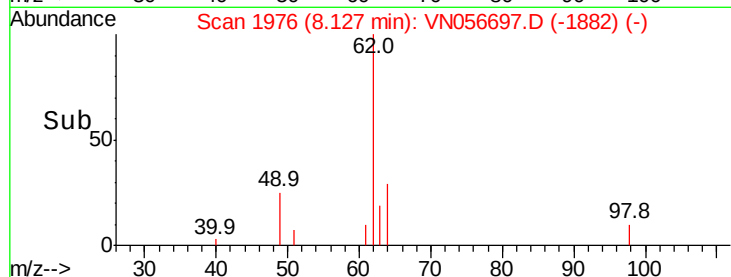
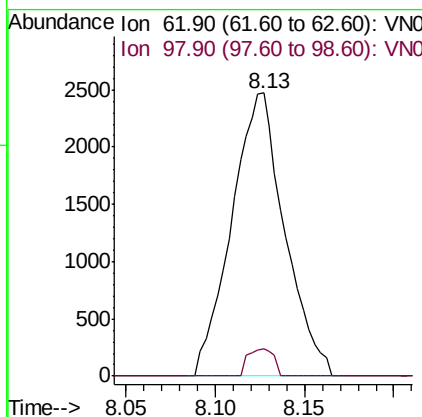
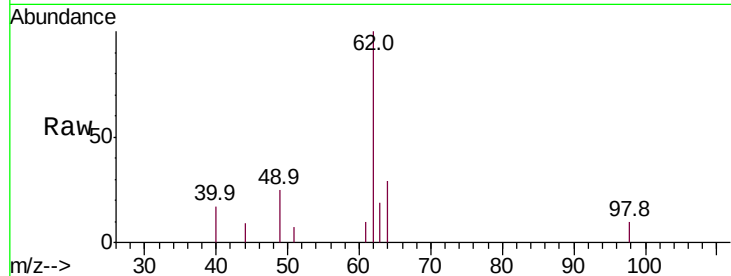
#42
 1,2-Dichloroethane
 Concen: 1.068 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.7	0.0	19.8

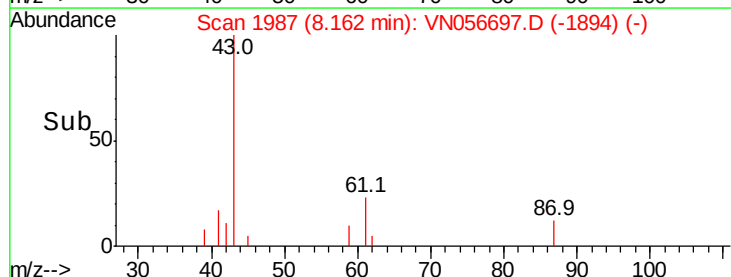
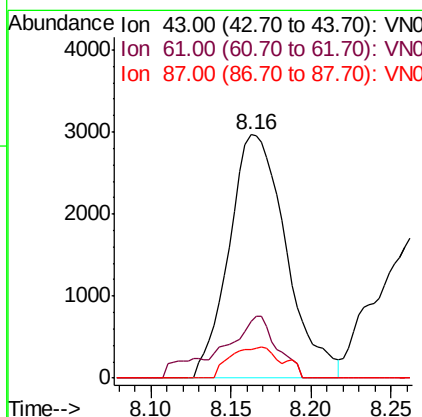
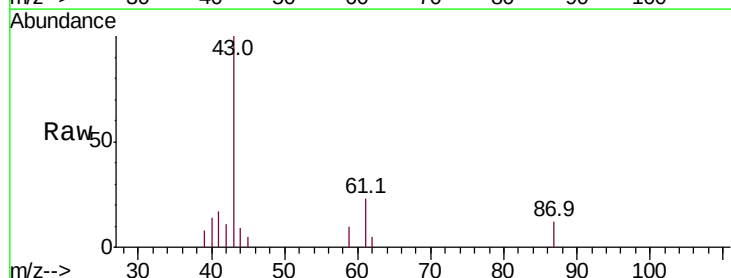
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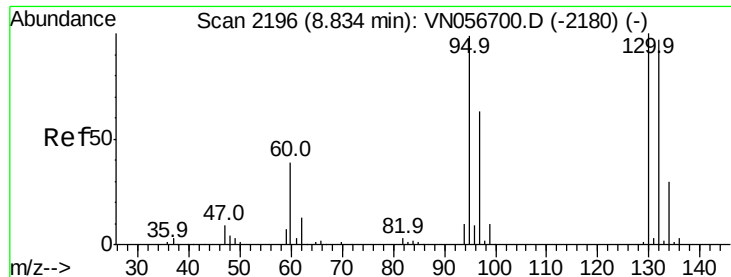
MMDadoda
 7/17/2019 1:31:13 AM



#43
 Isopropyl Acetate
 Concen: 1.002 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	25.2	22.3	33.5
87	10.1	11.1	16.7#





#44

Trichloroethene

Concen: 1.215 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:130 Resp: 4767

Ion Ratio Lower Upper

130 100

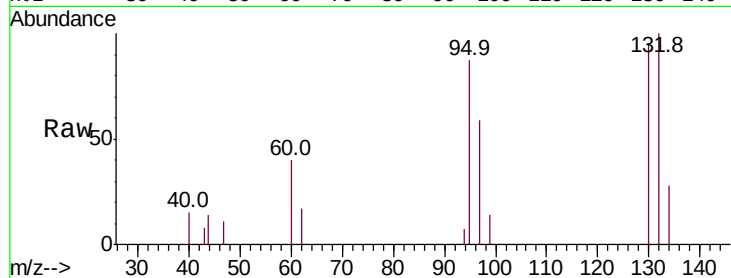
95 91.2 0.0 197.2

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

2500

2000

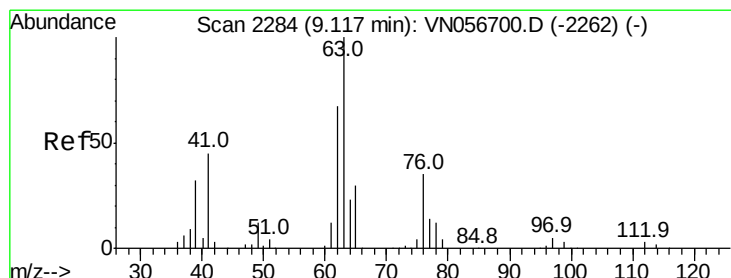
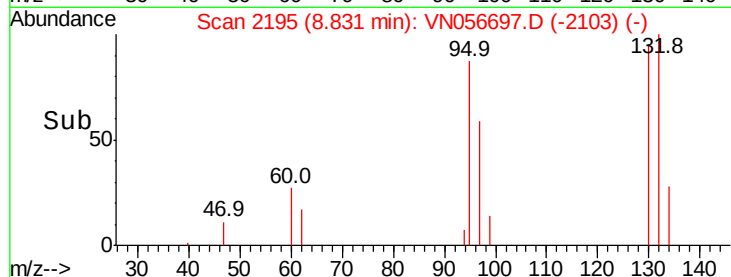
1500

1000

500

0

Time-->



#45

1,2-Dichloropropane

Concen: 1.118 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056697.D

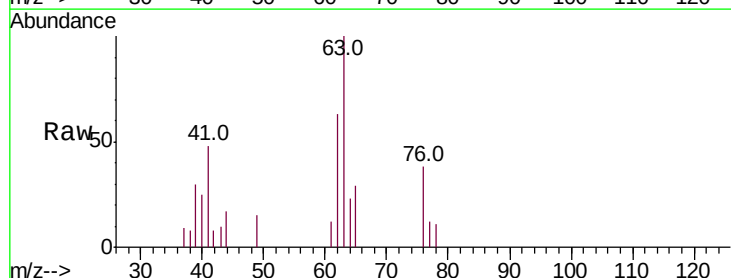
Acq: 15 Jul 2019 8:49

Tgt Ion: 63 Resp: 4369

Ion Ratio Lower Upper

63 100

65 29.1 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.12

2500

2000

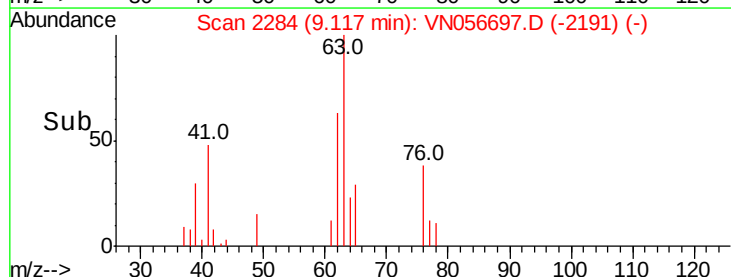
1500

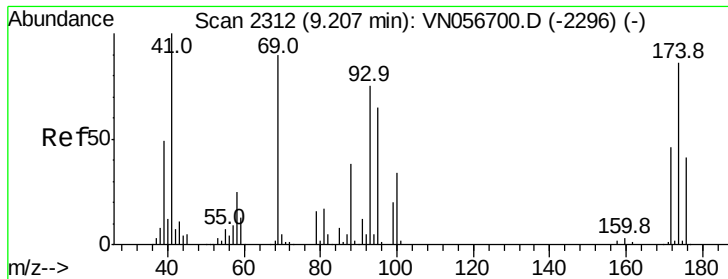
1000

500

0

Time-->





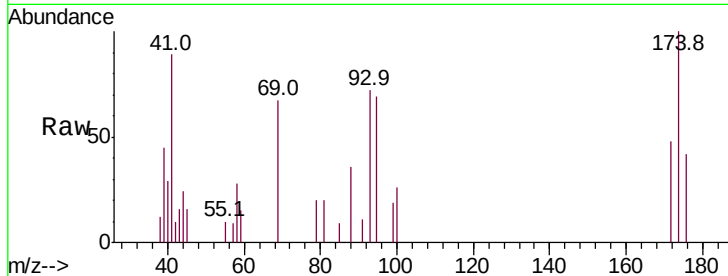
#46
Dibromomethane
Concen: 1.052 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

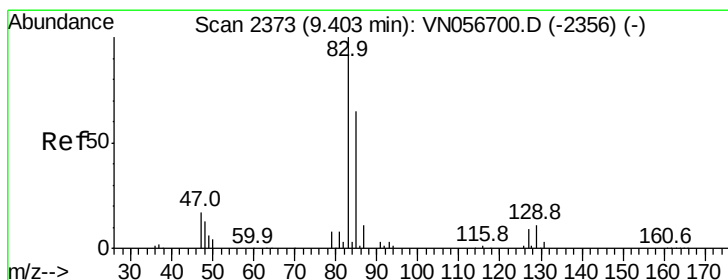
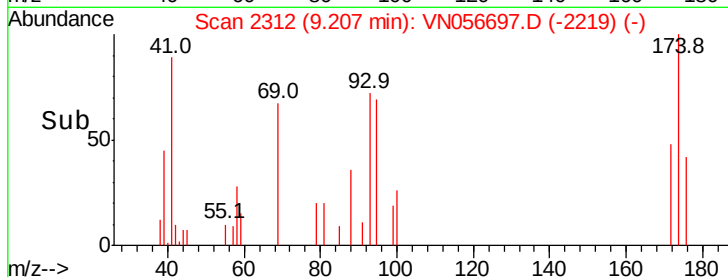
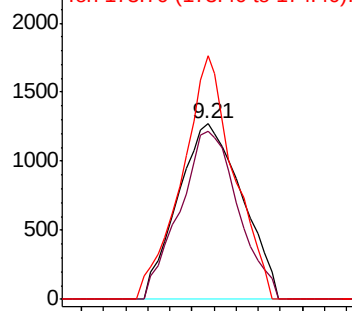
Tot Ion	Ratio	Lower	Upper
93	100		
95	87.0	67.4	101.0
174	112.0	90.3	135.5

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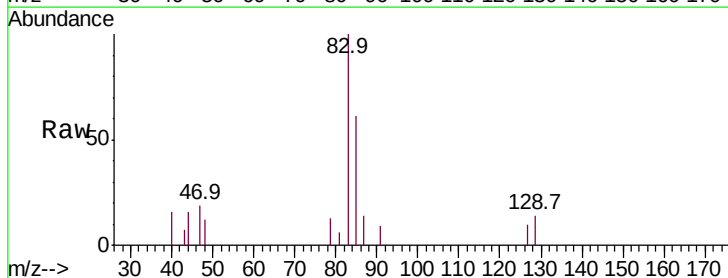


Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

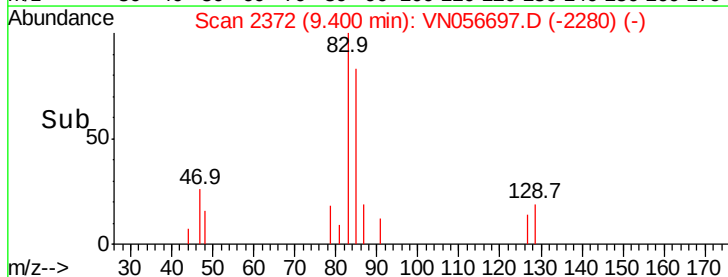
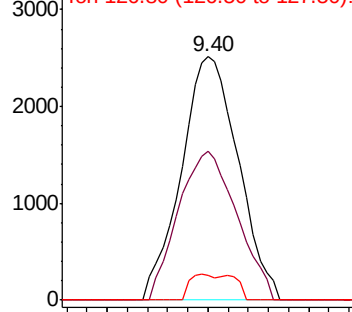


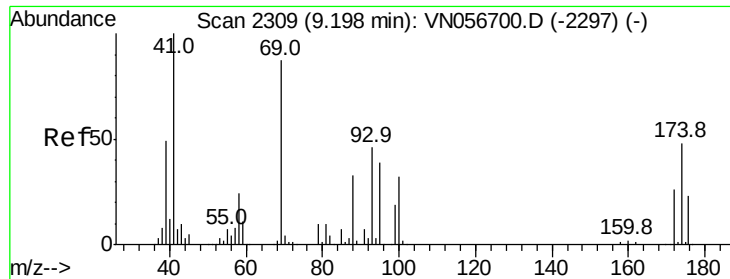
#47
Bromodichloromethane
Concen: 1.136 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.3	78.5
127	9.9	7.6	11.4



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





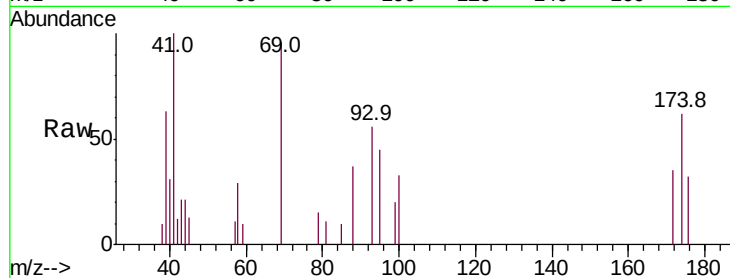
#48
Methvl methacrylate
Concen: 0.962 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

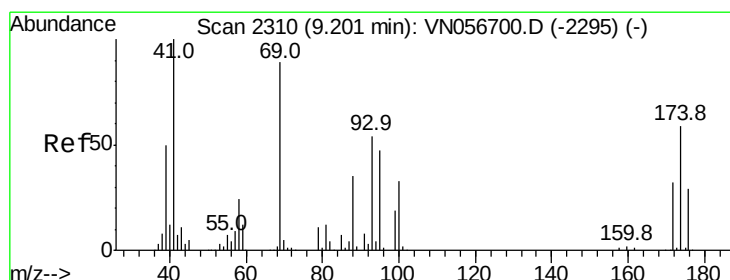
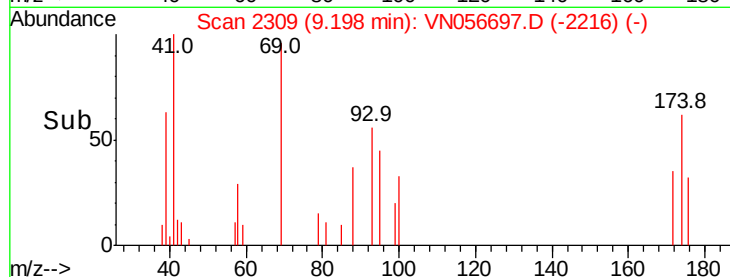
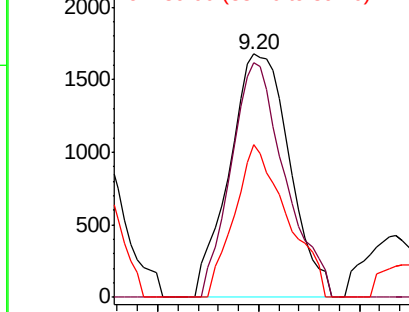
Tot Ion: 41 Resp: 3494
Ion Ratio Lower Upper
41 100
69 86.9 71.4 107.0
39 54.8 41.2 61.8

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7/17/2019 1:31:13 AM

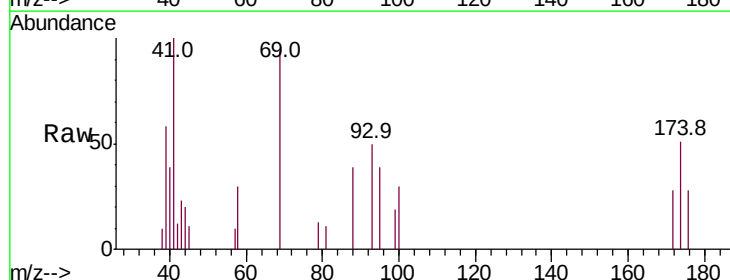


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

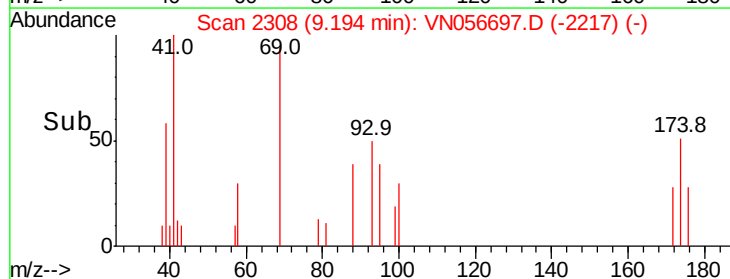
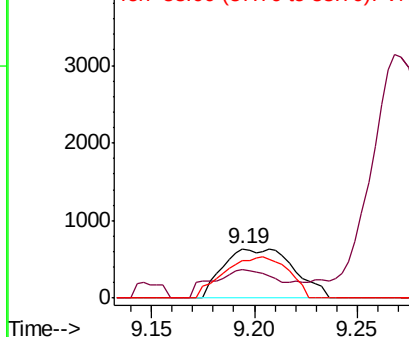


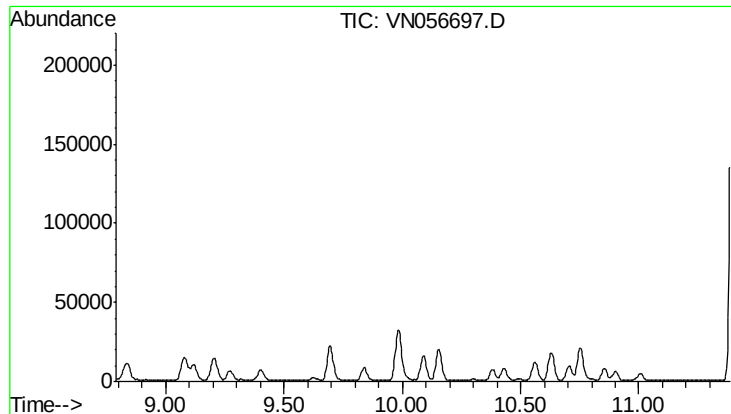
#49
1,4-Dioxane
Concen: 20.283 ug/l m
RT: 9.19 min Scan# 2308
Delta R.T. -0.01 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion: 88 Resp: 1517
Ion Ratio Lower Upper
88 100
43 57.4 23.7 35.5#
58 75.4 55.6 83.4



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





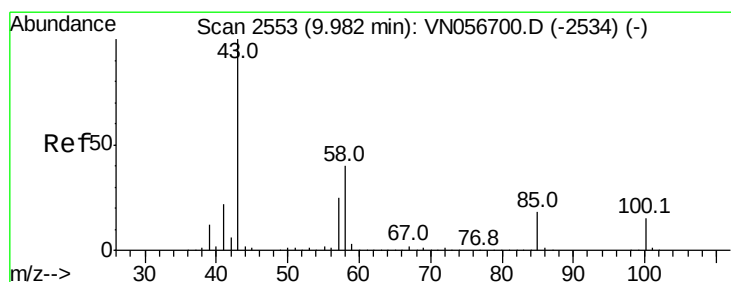
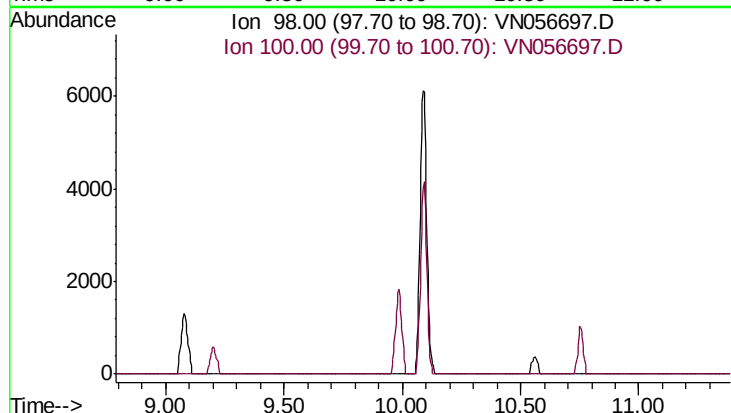
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 65.0

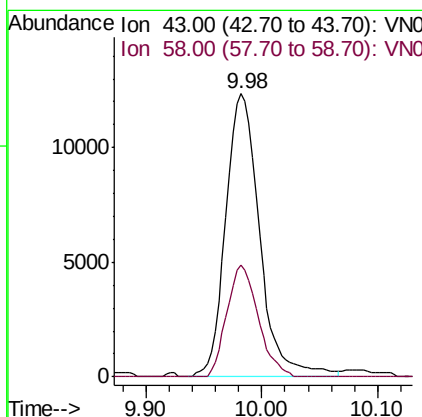
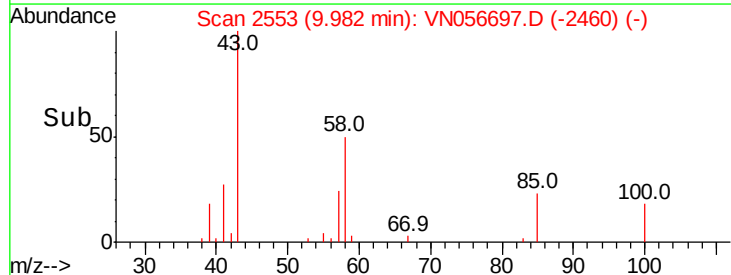
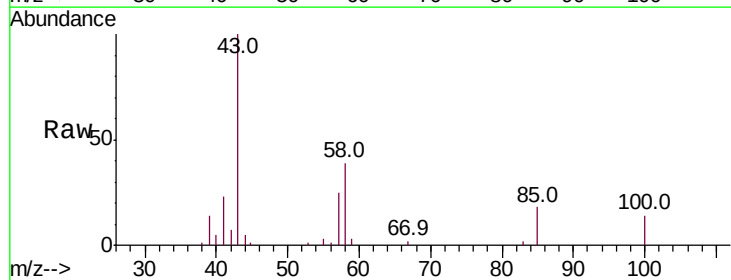
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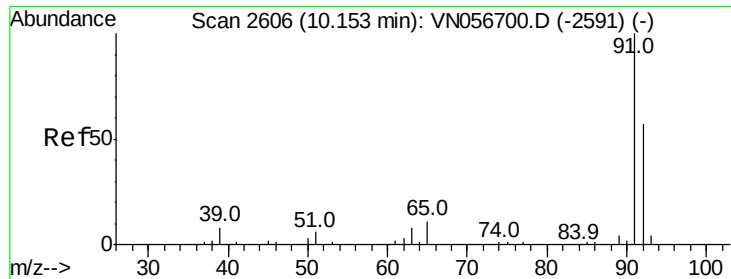
MMDadoda
7/17/2019 1:31:13 AM



#51
4-Methyl-2-Pentanone
Concen: 5.358 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion: 43 Resp: 25034
Ion Ratio Lower Upper
43 100
58 36.2 32.0 48.0





#52

Toluene

Concen: 1.004 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 8963

Ion Ratio Lower Upper

92 100

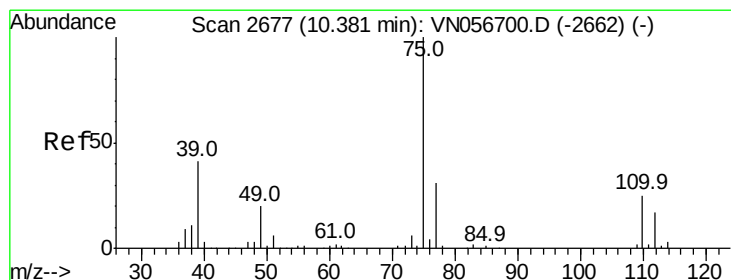
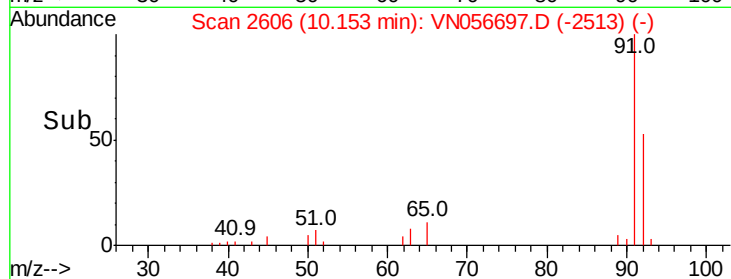
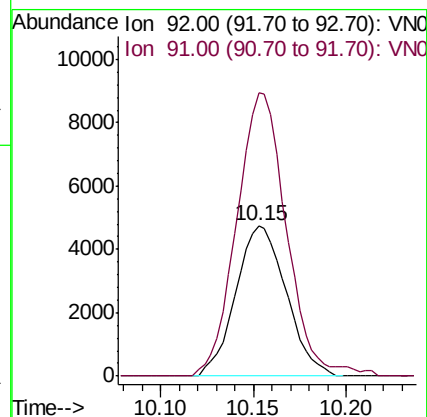
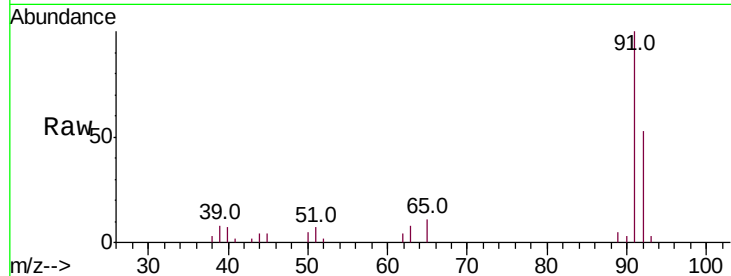
91 186.3 139.9 209.9

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#53

t-1,3-Dichloropropene

Concen: 0.992 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN056697.D

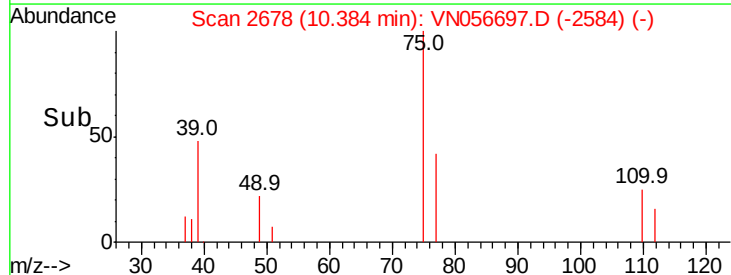
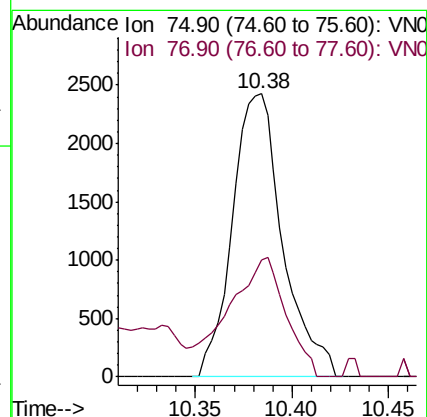
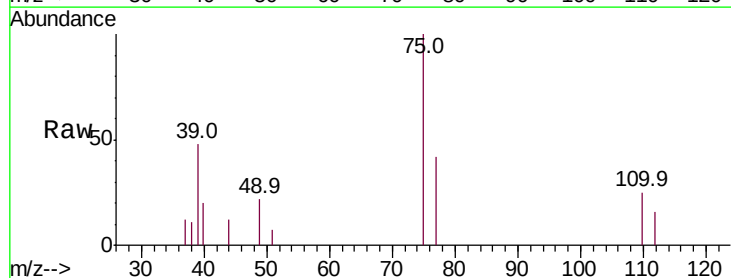
Acq: 15 Jul 2019 8:49

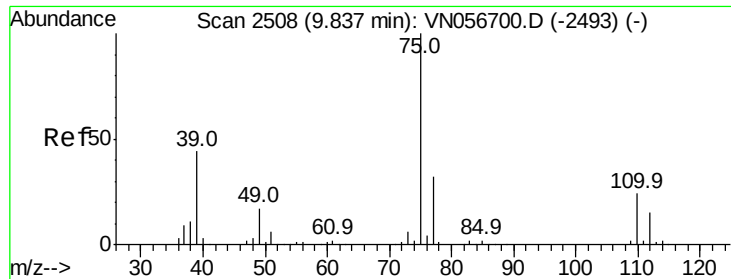
Tgt Ion: 75 Resp: 4388

Ion Ratio Lower Upper

75 100

77 41.5 25.0 37.6#





#54

cis-1,3-Dichloropropene

Concen: 1.050 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

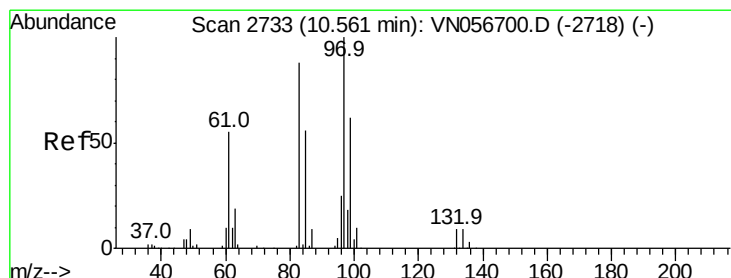
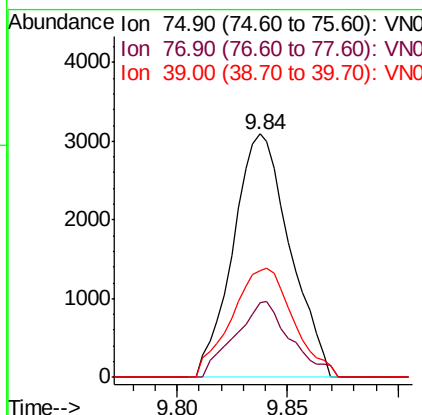
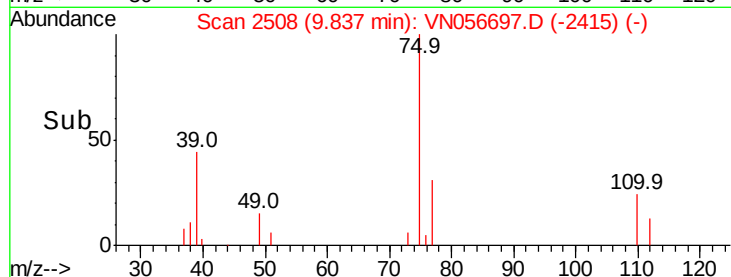
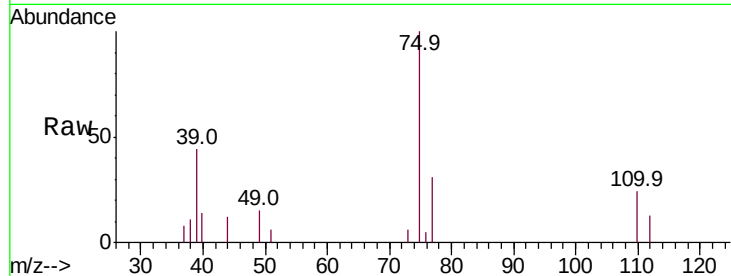
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	5510
Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.0	39.0
39	44.0	35.1	52.7

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#55

1,1,2-Trichloroethane

Concen: 1.191 ug/l

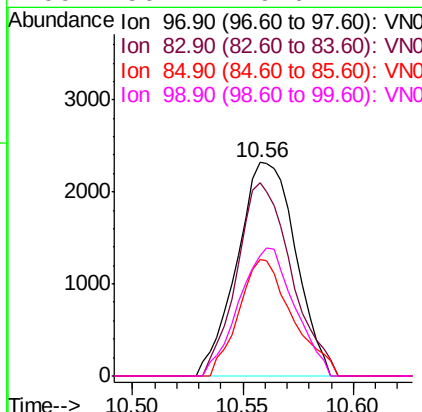
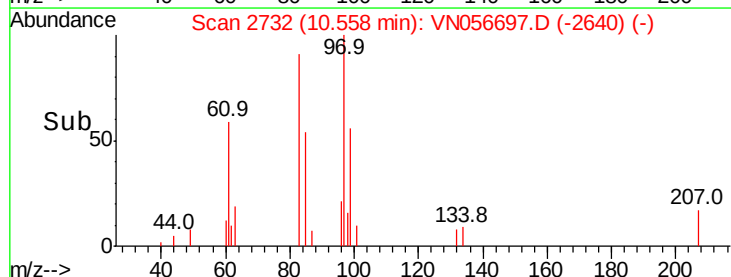
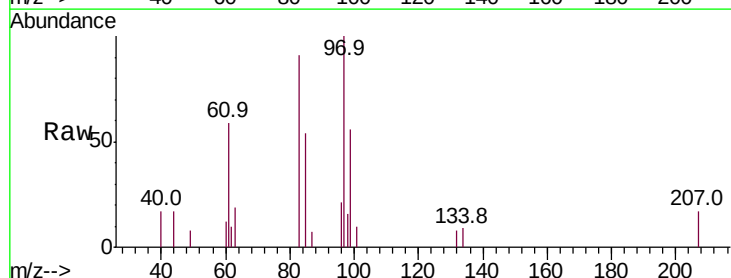
RT: 10.56 min Scan# 2732

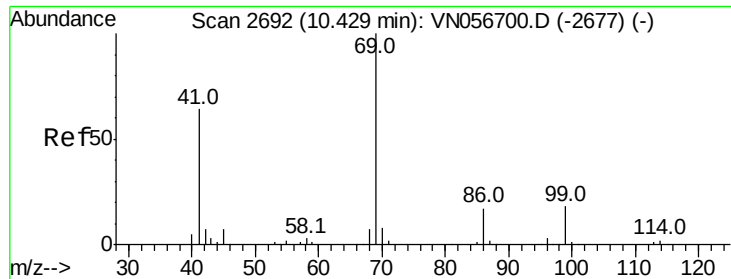
Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	97	Resp:	4271
Ion	Ratio	Lower	Upper
97	100		
83	90.5	70.3	105.5
85	54.4	44.8	67.2
99	56.2	49.6	74.4





#56

Ethyl methacrylate

Concen: 0.882 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

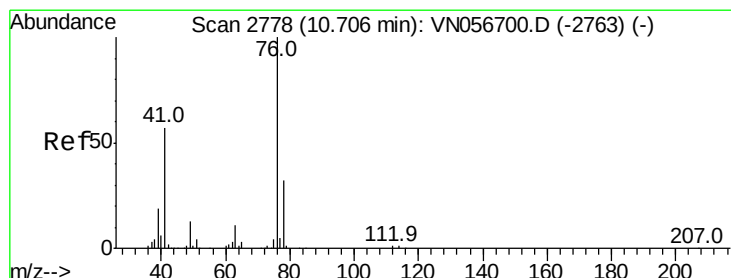
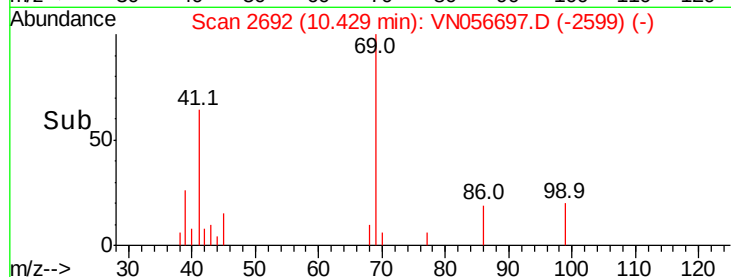
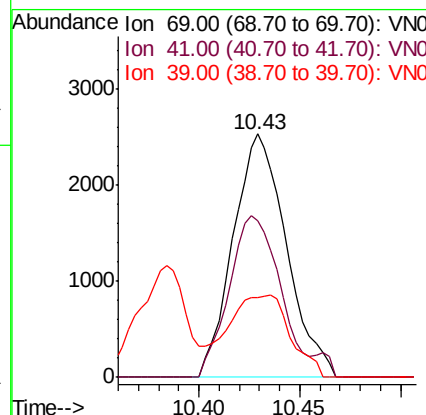
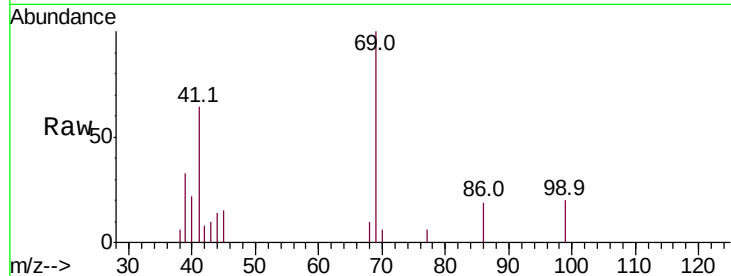
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4655
Ion Ratio	Lower	Upper	
69	100		
41	66.4	51.0	76.4
39	39.3	24.6	36.8#

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#57

1,3-Dichloropropane

Concen: 1.056 ug/l

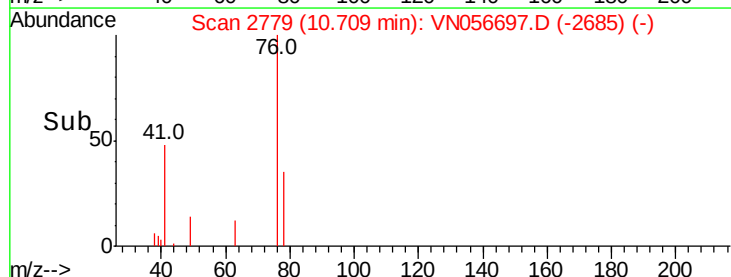
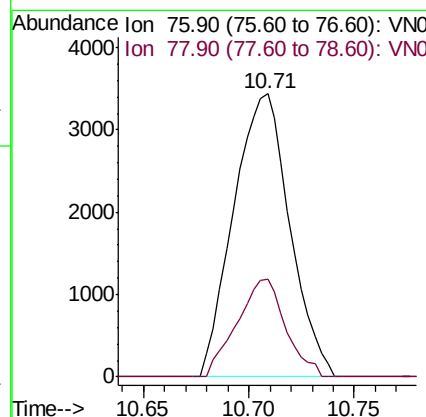
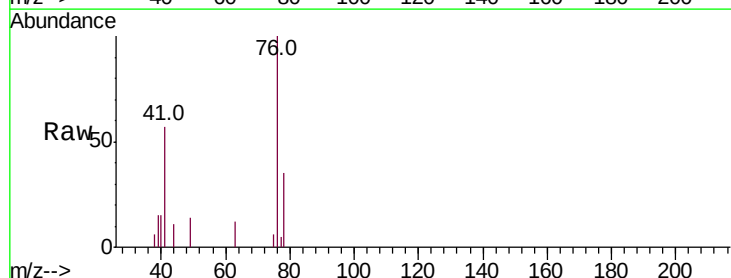
RT: 10.71 min Scan# 2779

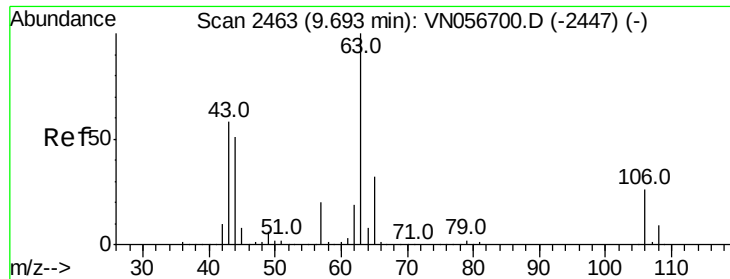
Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	76	Resp:	6352
Ion Ratio	Lower	Upper	
76	100		
78	29.9	26.0	39.0





#58

2-Chloroethyl Vinyl ether

Concen: 5.069 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 10245

Ion Ratio Lower Upper

63 100

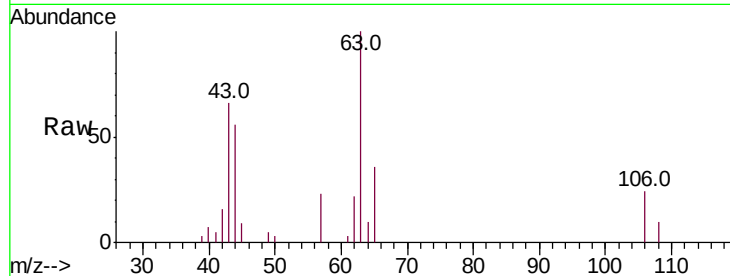
106 25.0 21.2 31.8

Manual Integrations

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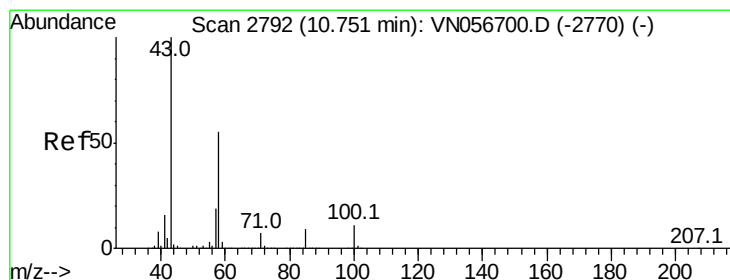
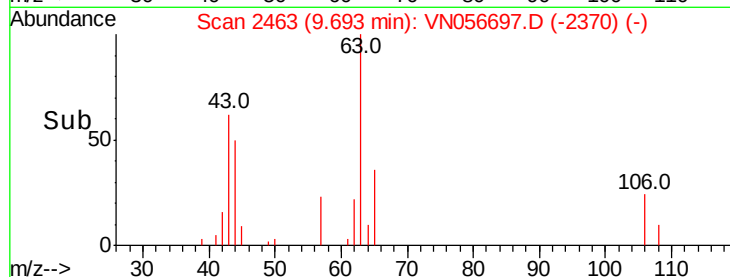
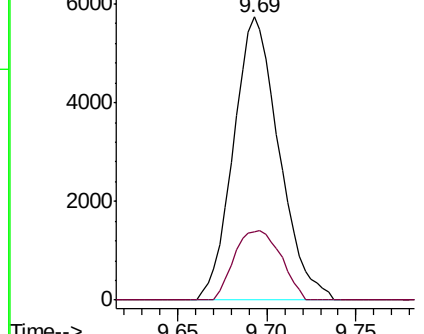
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 4.572 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN056697.D

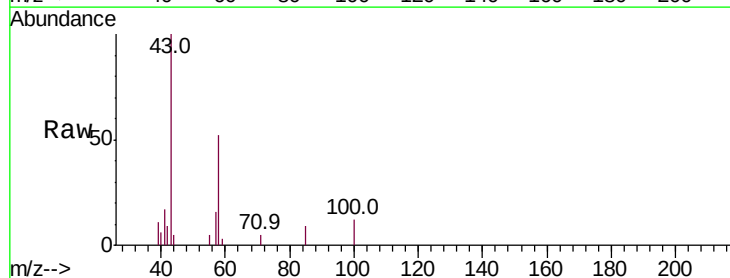
Acq: 15 Jul 2019 8:49

Tgt Ion: 43 Resp: 15752

Ion Ratio Lower Upper

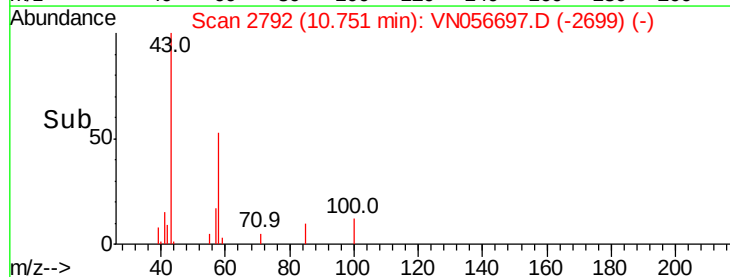
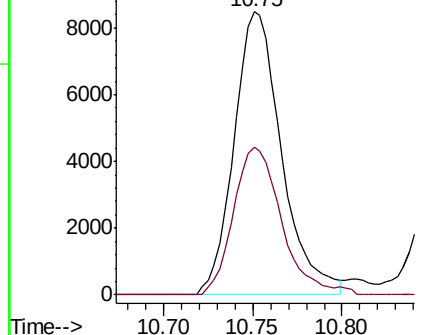
43 100

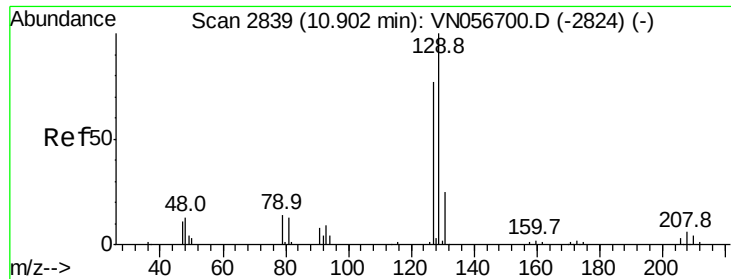
58 52.9 27.9 83.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 1.074 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 3544

Ion Ratio Lower Upper

129 100

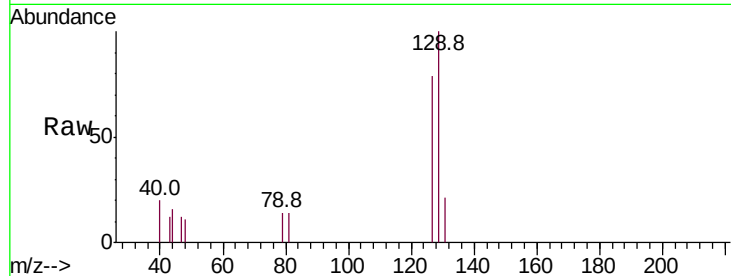
127 74.2 38.2 114.6

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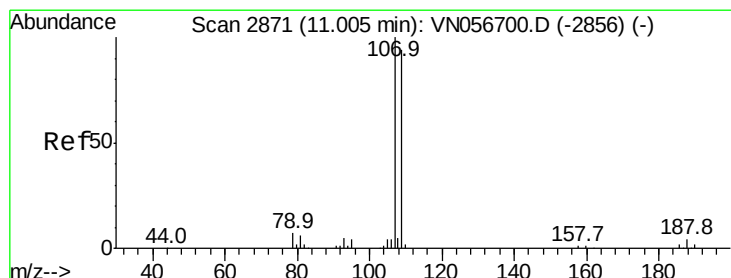
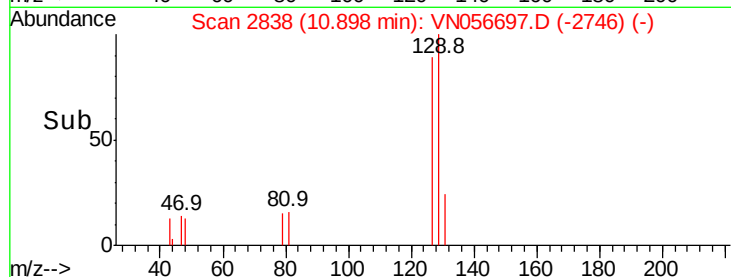
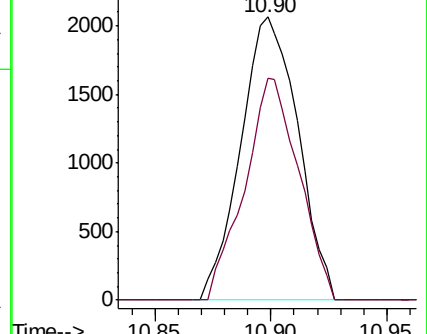
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.990 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN056697.D

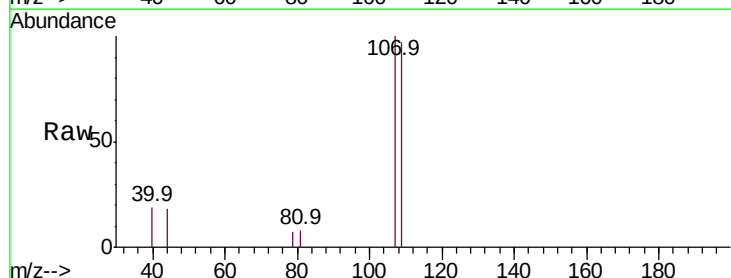
Acq: 15 Jul 2019 8:49

Tgt Ion:107 Resp: 3624

Ion Ratio Lower Upper

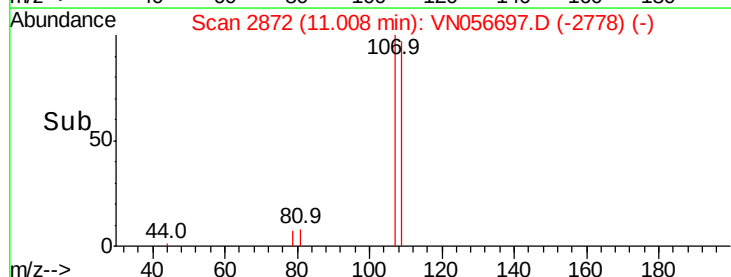
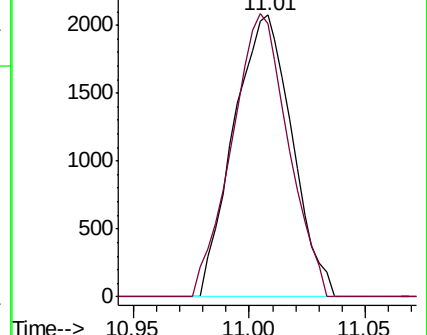
107 100

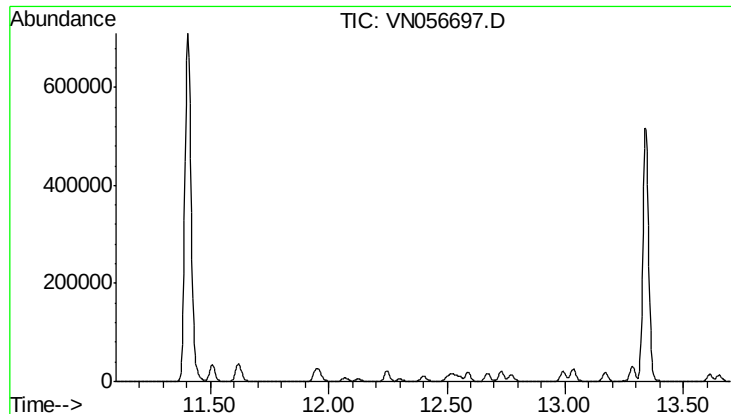
109 97.1 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 0.000 ug/l

Expected RT: 12.40 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tot Ion	95
Sig	Exp Ratio
95	100
174	90.0
176	86.6

Instrument :

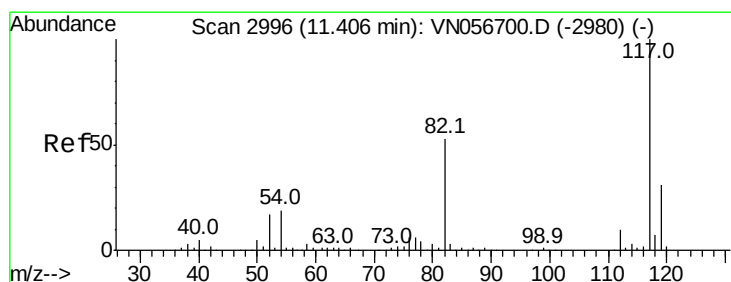
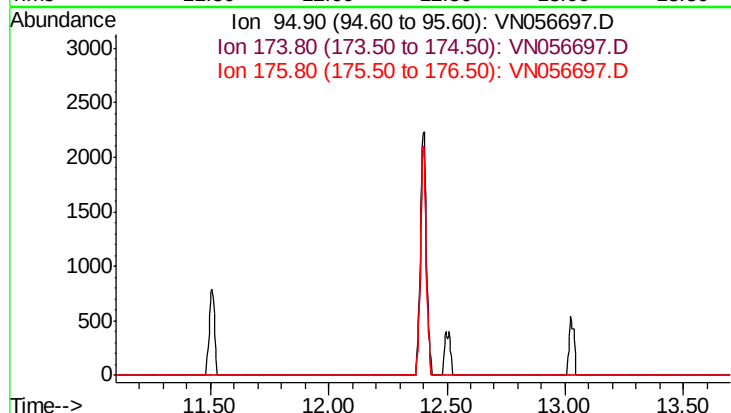
MSVOA_N

ClientSampleId :

VSTDIC001

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

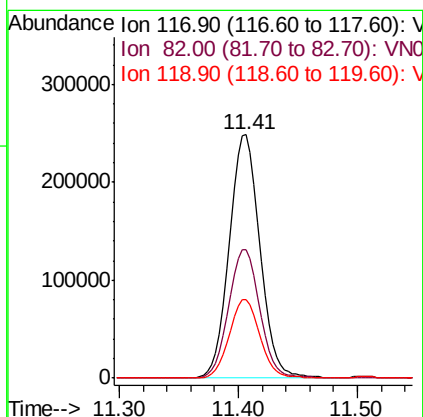
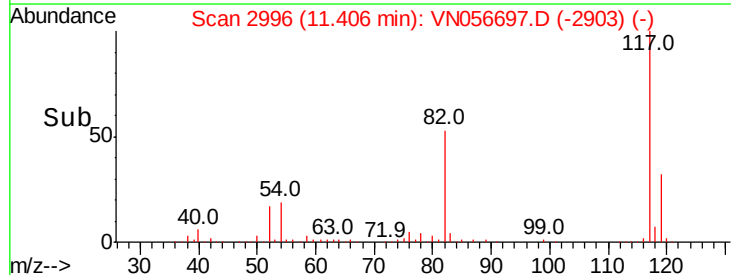
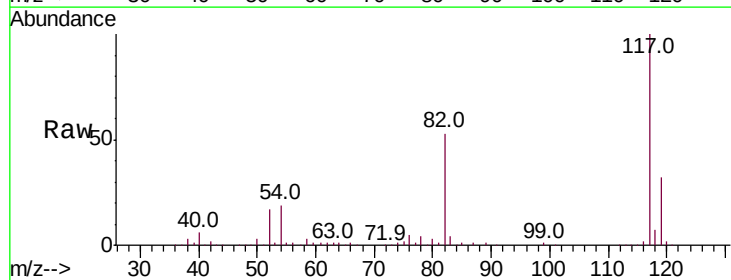
RT: 11.41 min Scan# 2996

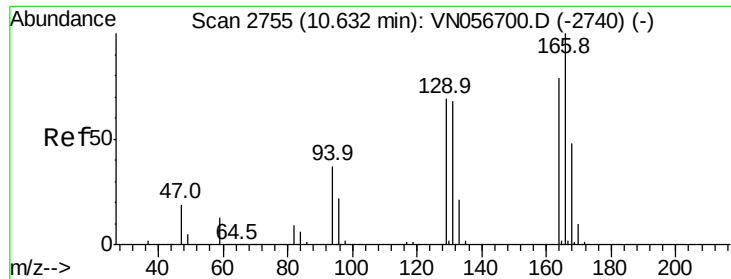
Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion	117	Resp	445559
Ion Ratio	Lower	Upper	
117	100		
82	52.9	42.2	63.2
119	32.5	25.2	37.8





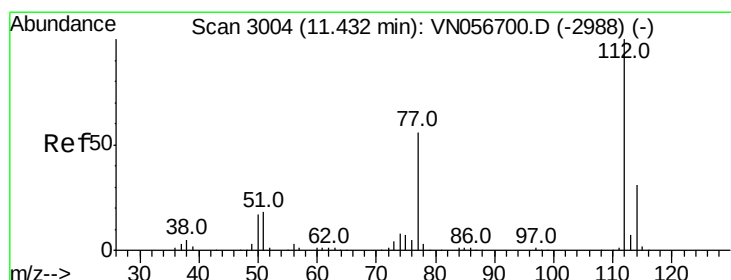
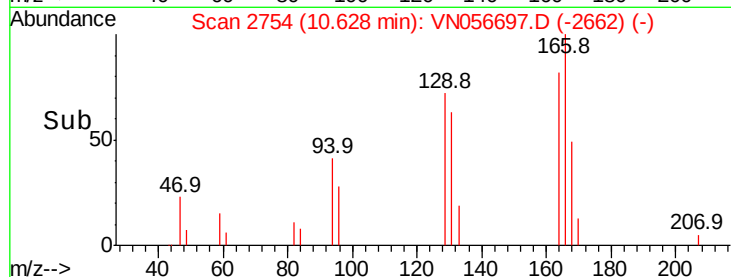
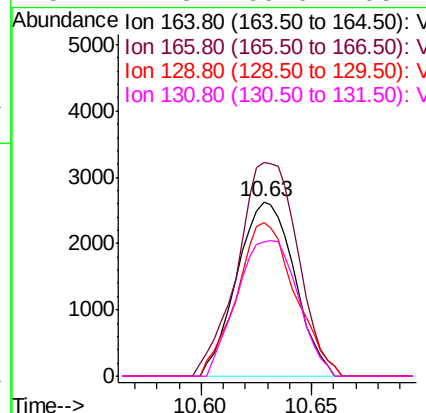
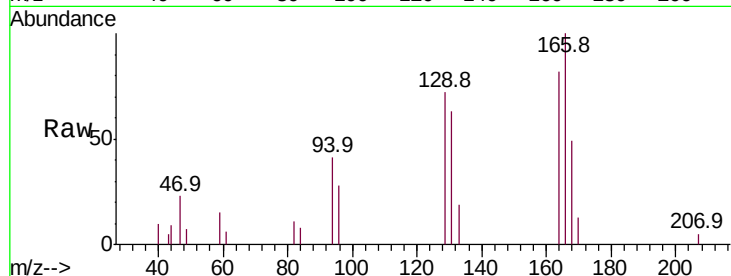
#64
Tetrachloroethene
Concen: 1.333 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:164 Resp: 4745
Ion Ratio Lower Upper
164 100
166 122.5 101.4 152.2
129 87.9 69.6 104.4
131 77.3 69.0 103.4

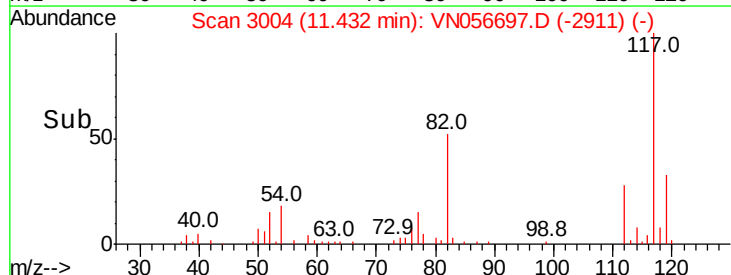
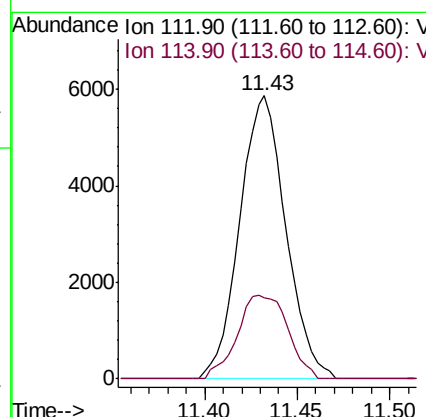
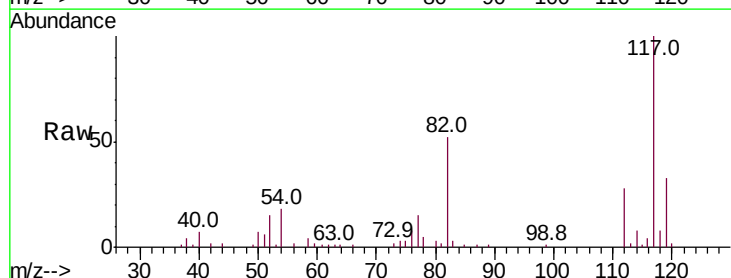
Manual Integrations
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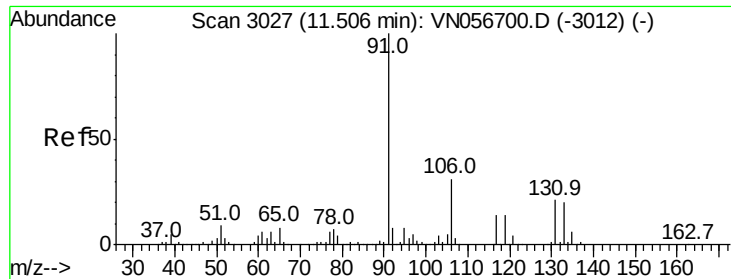
MMDadoda
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#65
Chlorobenzene
Concen: 1.130 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion:112 Resp: 10132
Ion Ratio Lower Upper
112 100
114 28.6 25.2 37.8





#66

1,1,1,2-Tetrachloroethane

Concen: 1.189 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

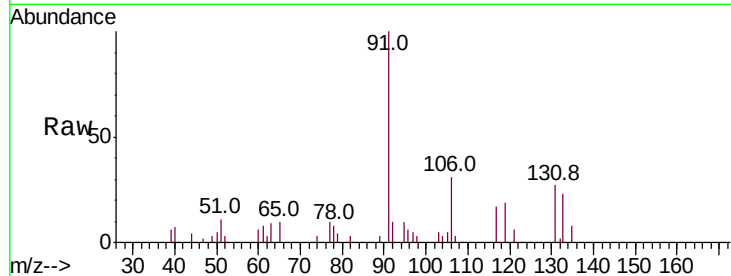
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	90.3	46.9	140.7
119	0.0	32.8	98.3#

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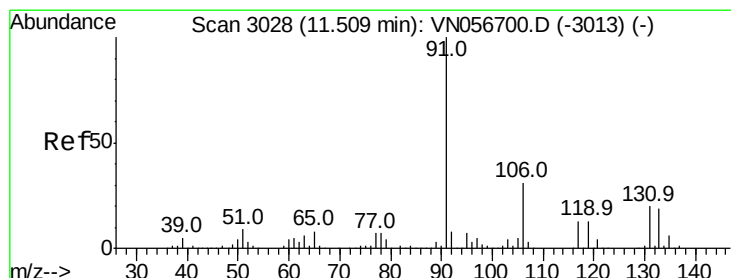
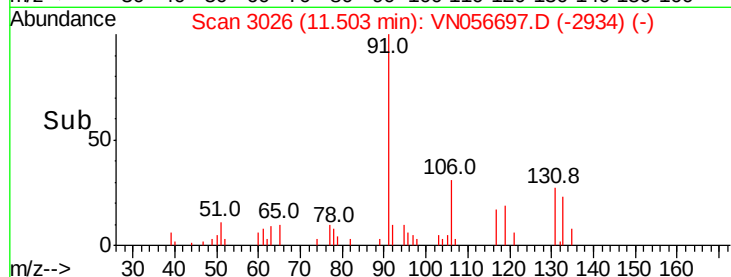
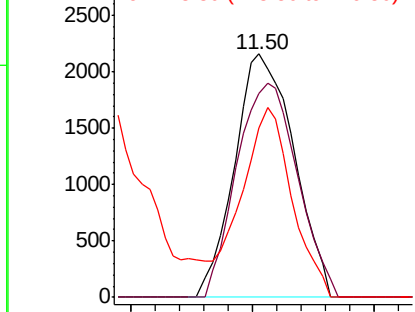


Abundance

Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.060 ug/l

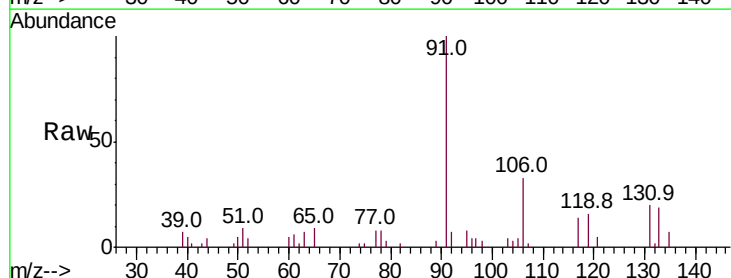
RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

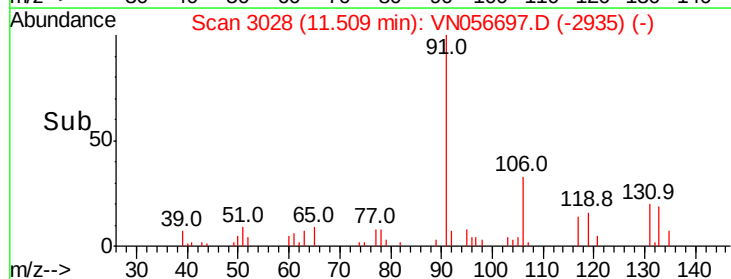
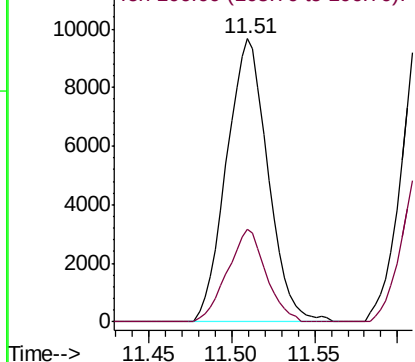
Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.8	37.2

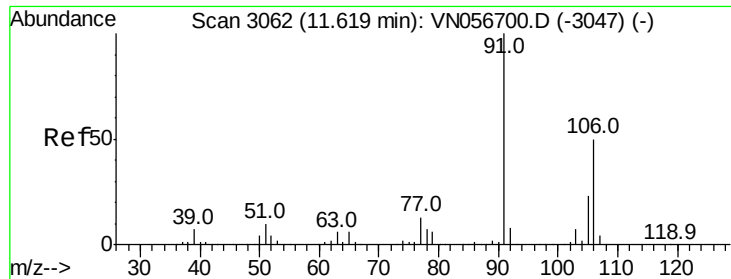


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 2.133 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:106 Resp: 12338

Ion Ratio Lower Upper

106 100

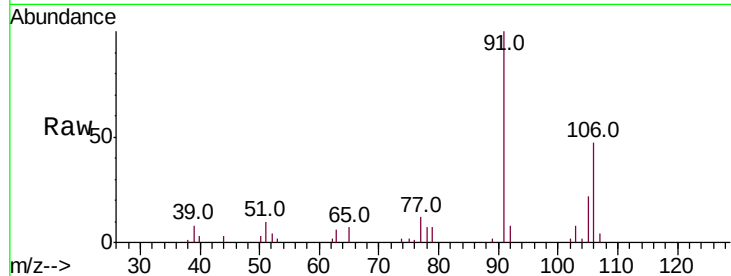
91 196.4 160.5 240.7

Manual Integrations

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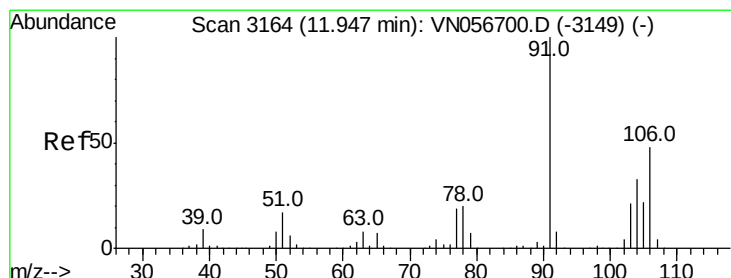
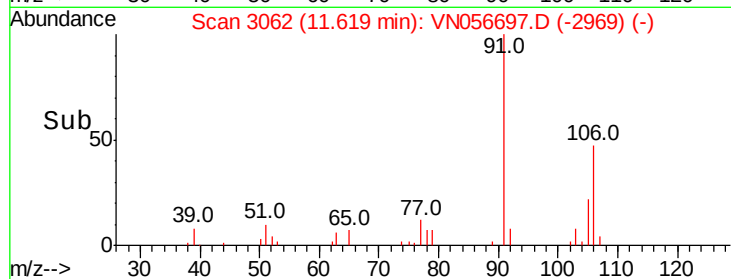
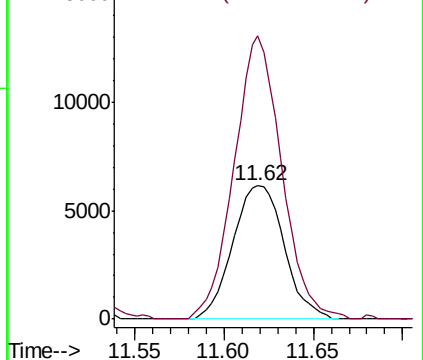
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 1.093 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN056697.D

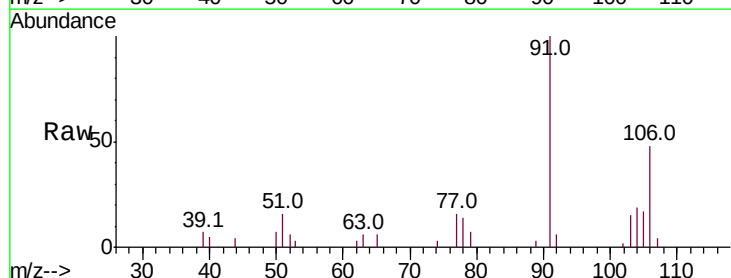
Acq: 15 Jul 2019 8:49

Tgt Ion:106 Resp: 6256

Ion Ratio Lower Upper

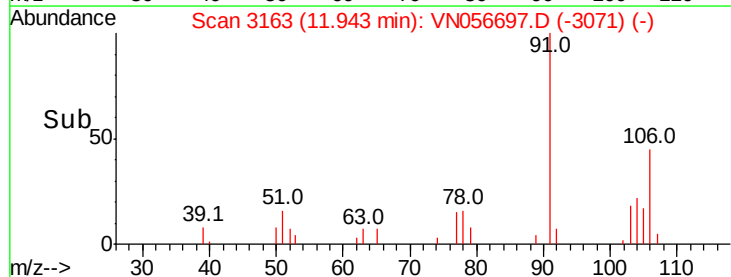
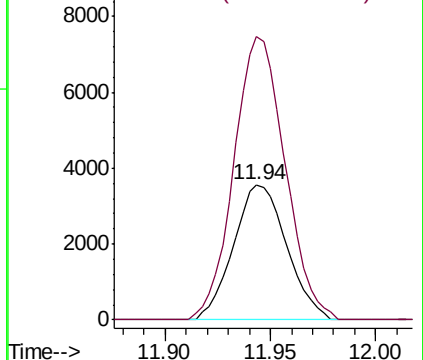
106 100

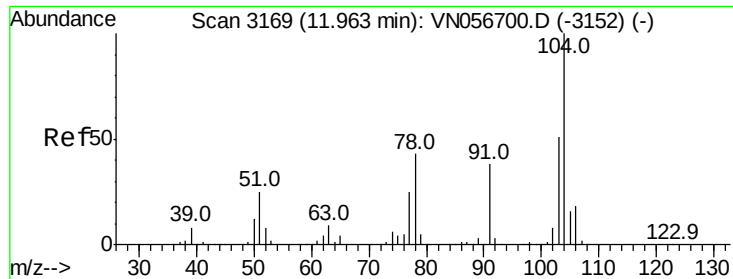
91 201.2 105.6 316.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





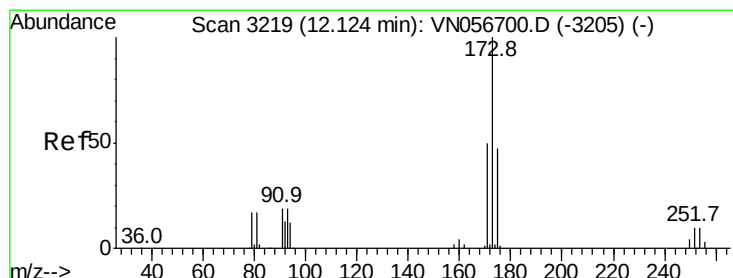
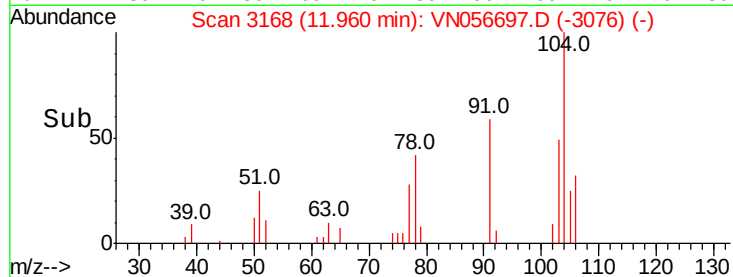
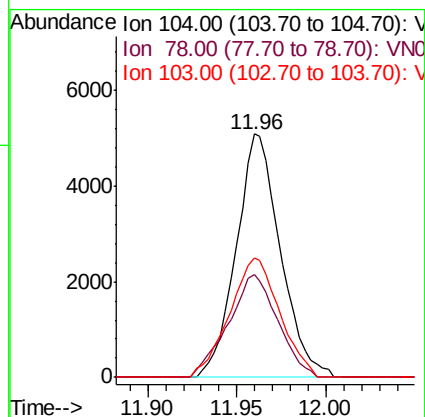
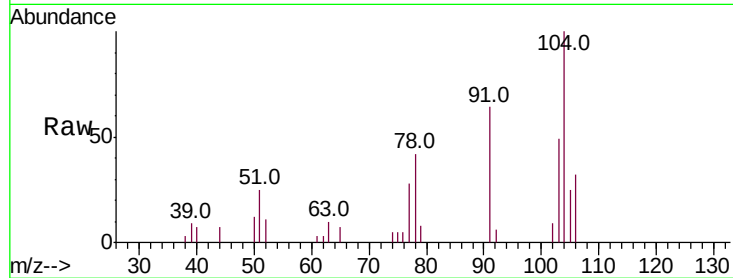
#70
Stvrene
Concen: 0.957 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.1	38.6	57.8
103	55.3	44.2	66.4

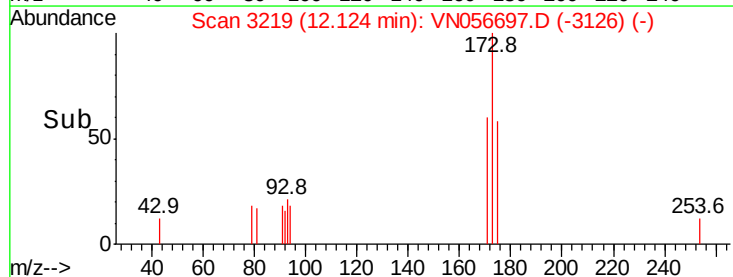
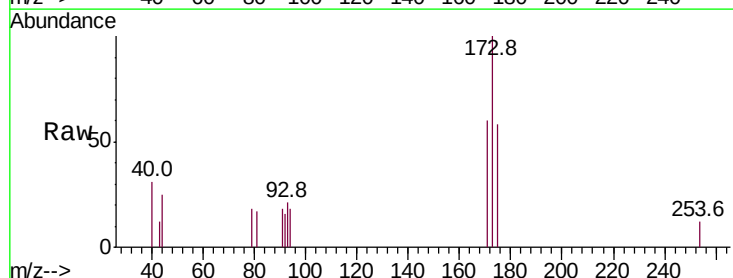
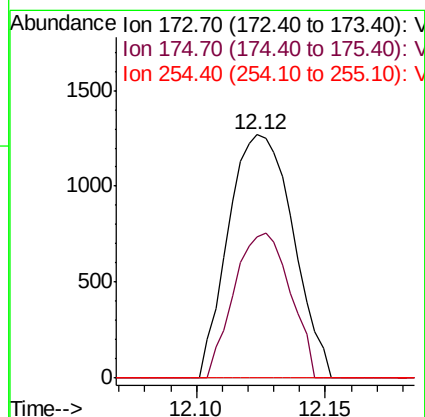
Manual Integrations
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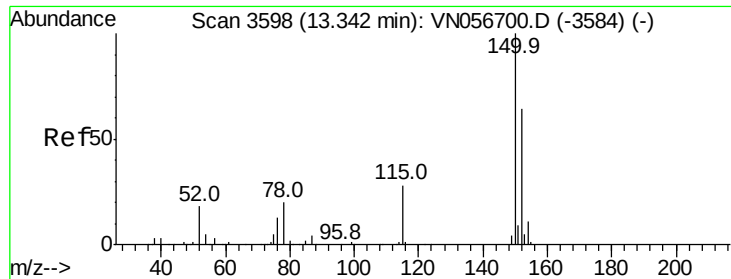
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#71
Bromoform
Concen: 1.020 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.6	23.8	71.4
254	0.0	0.0	0.0





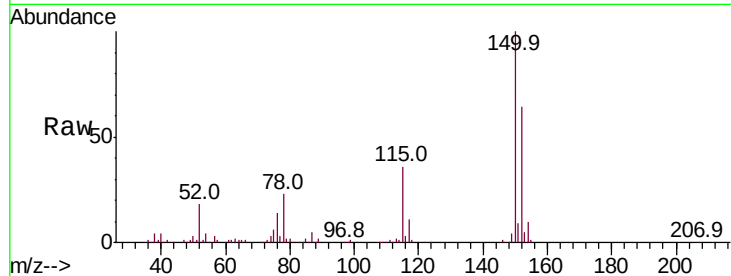
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.2	84.7
150	158.9	0.0	345.8

Manual Integrations
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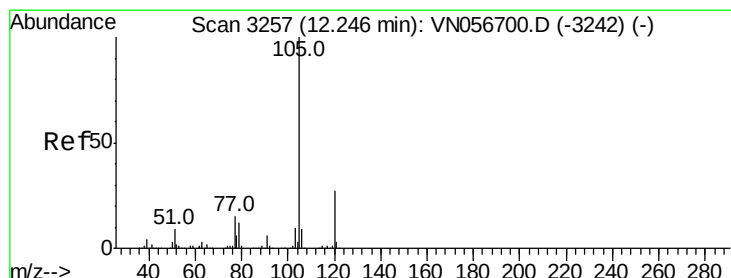
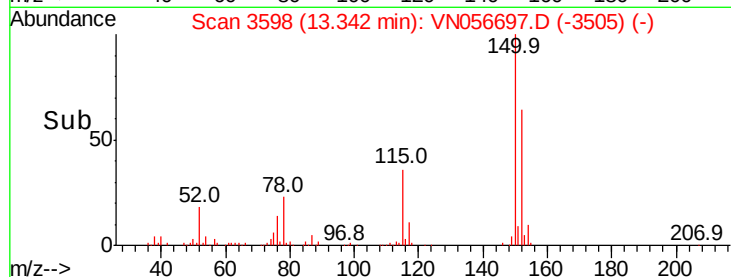
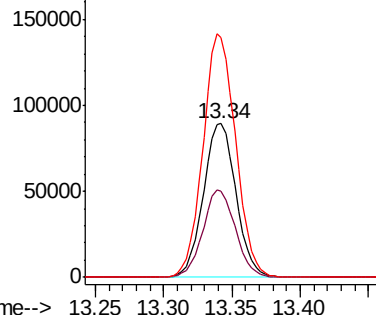


Abundance

Ion 151.90 (151.60 to 152.60): V

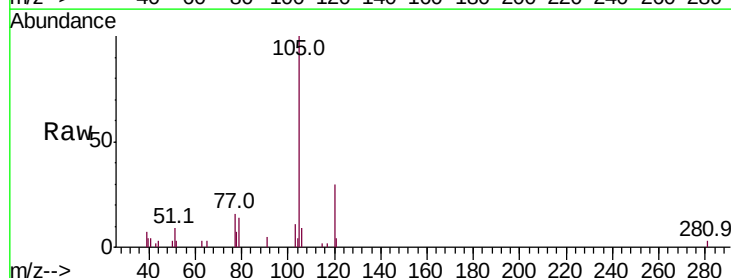
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73
 Isopropylbenzene
 Concen: 1.112 ug/l
 RT: 12.25 min Scan# 3257
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

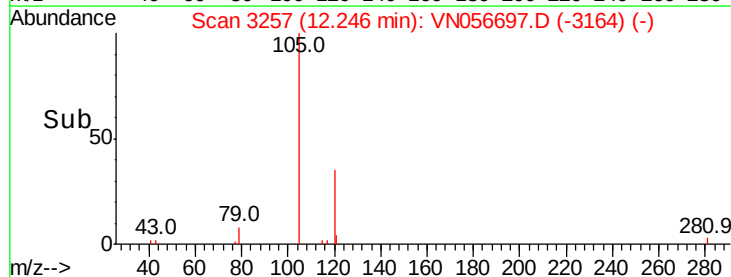
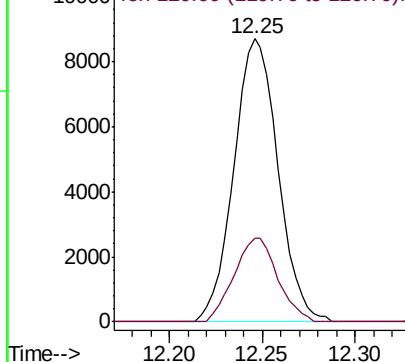
Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.1	13.4	40.2

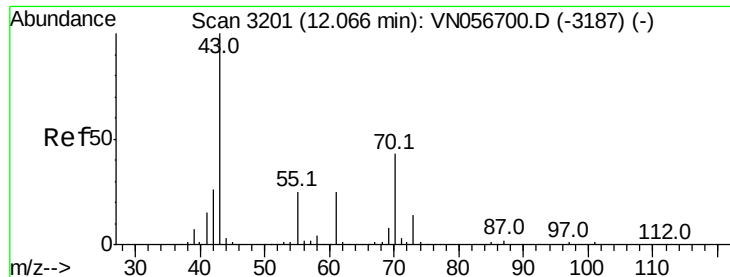


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.021 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 4808

Ion Ratio Lower Upper

43 100

70 36.2 34.5 51.7

55 24.8 20.2 30.2

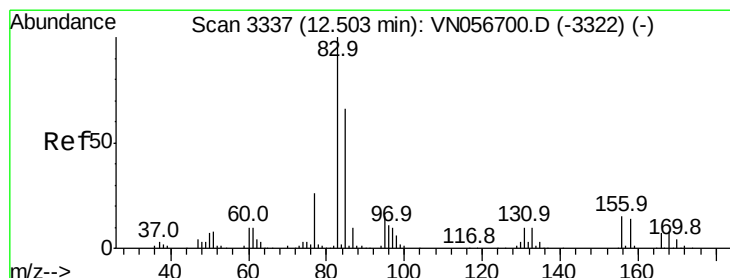
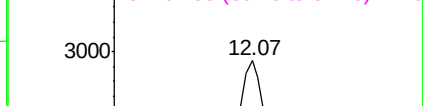
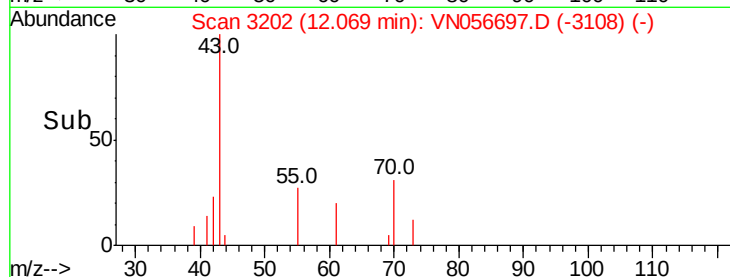
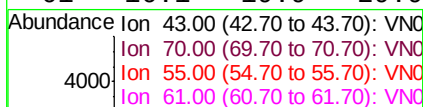
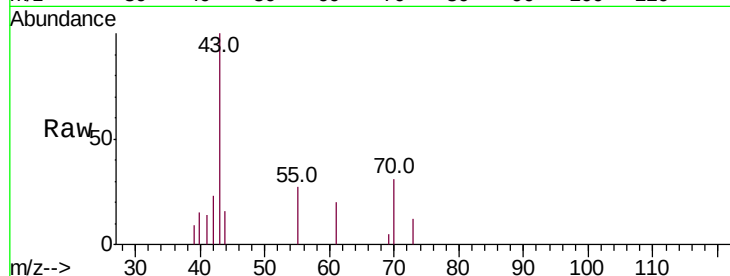
61 16.1 19.9 29.9#

Manual Integrations

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.373 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

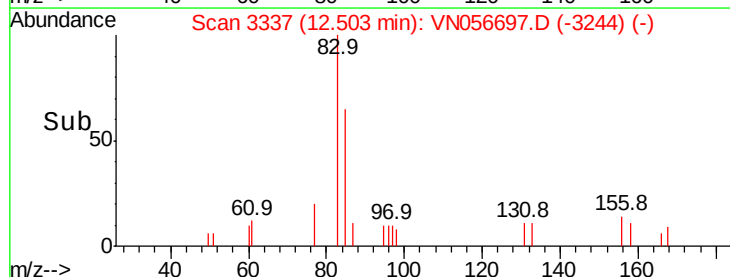
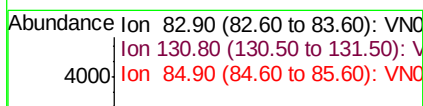
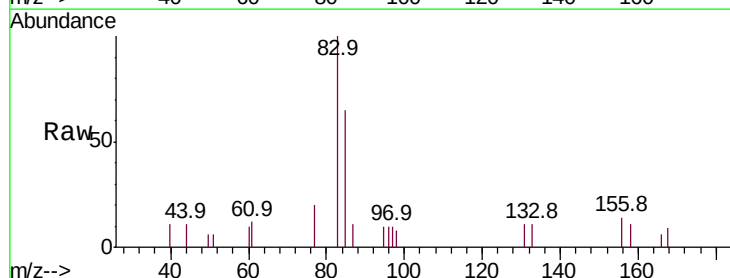
Tgt Ion: 83 Resp: 5572

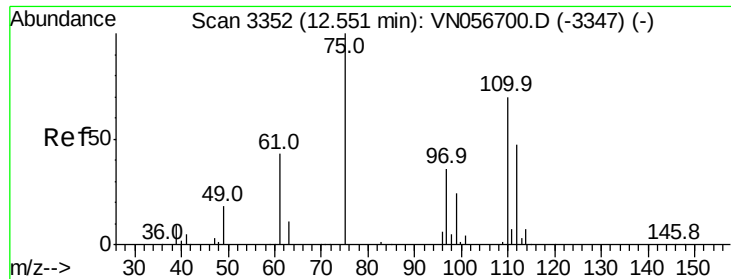
Ion Ratio Lower Upper

83 100

131 6.4 5.3 15.8

85 63.5 32.6 97.8





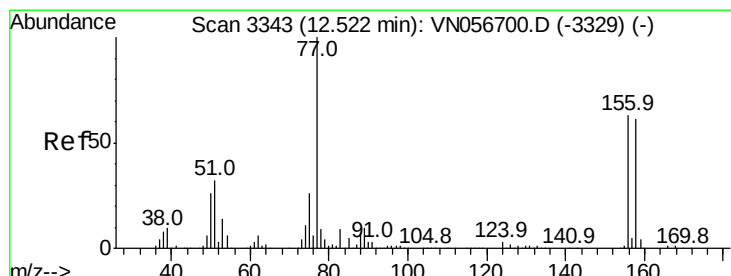
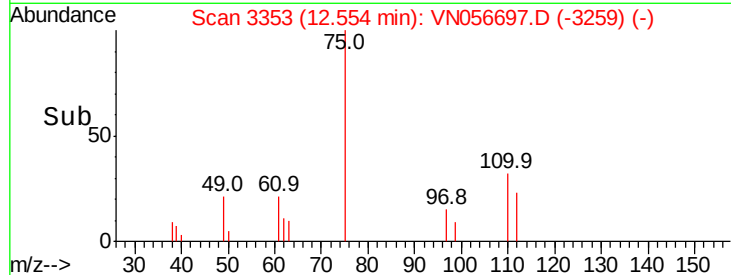
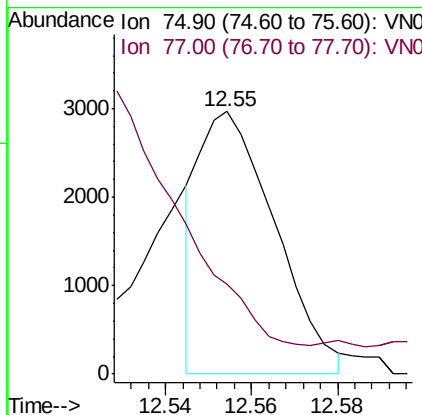
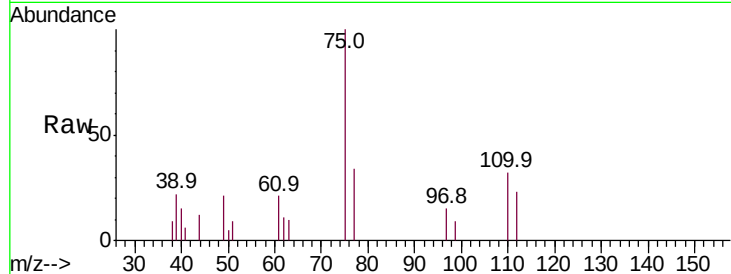
#76
 1,2,3-Trichloropropane
 Concen: 1.170 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 75 Resp: 3640
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

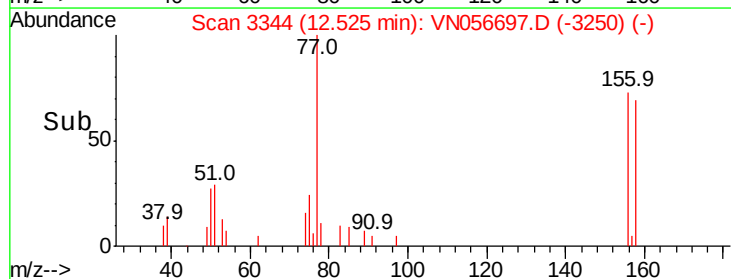
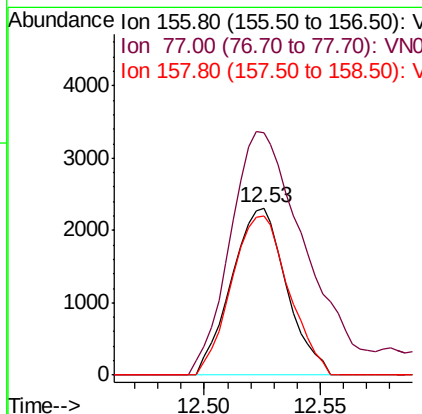
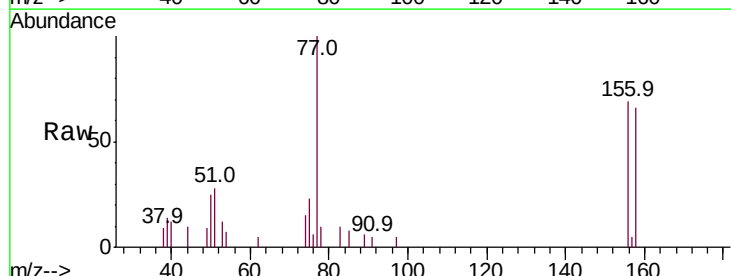
Manual Integrations
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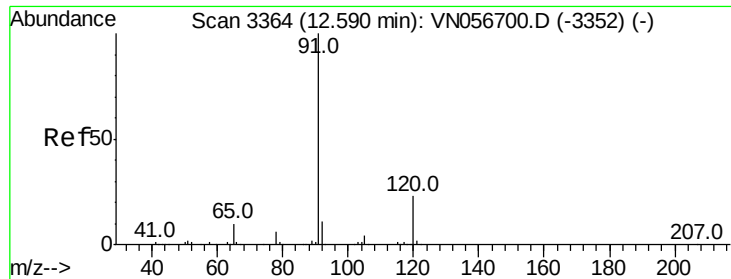
MMDadoda
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#77
 Bromobenzene
 Concen: 1.157 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion: 156 Resp: 3805
 Ion Ratio Lower Upper
 156 100
 77 200.1 97.2 291.6
 158 98.7 48.9 146.8





#78

n-propylbenzene

Concen: 1.144 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 15496

Ion Ratio Lower Upper

91 100

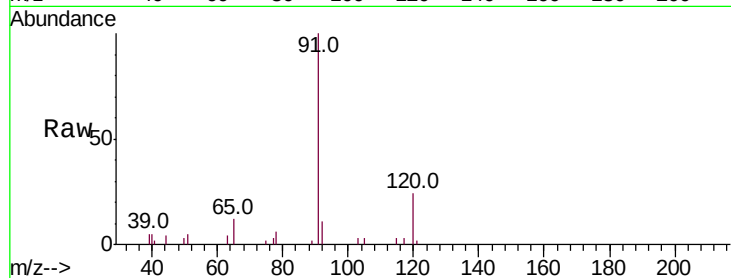
120 21.9 11.8 35.3

Manual Integrations

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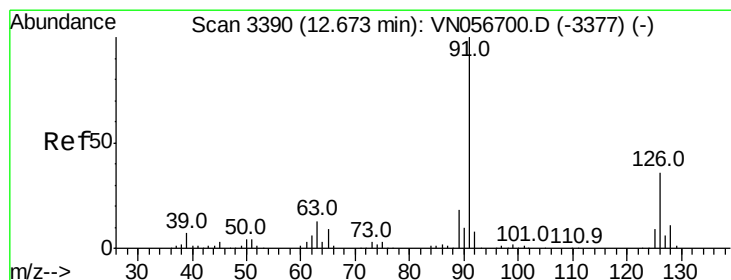
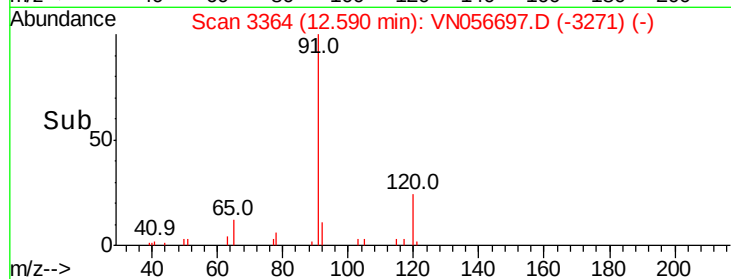
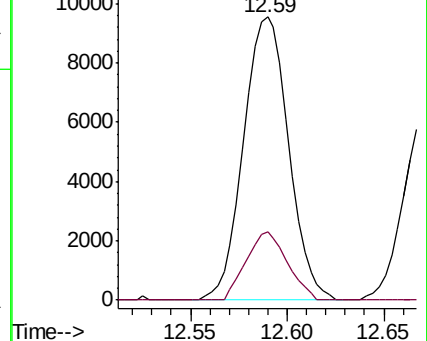
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.237 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056697.D

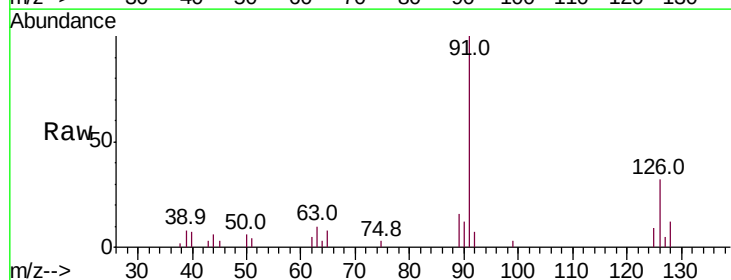
Acq: 15 Jul 2019 8:49

Tgt Ion: 91 Resp: 10535

Ion Ratio Lower Upper

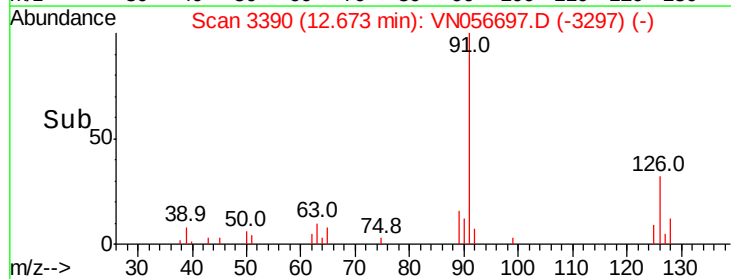
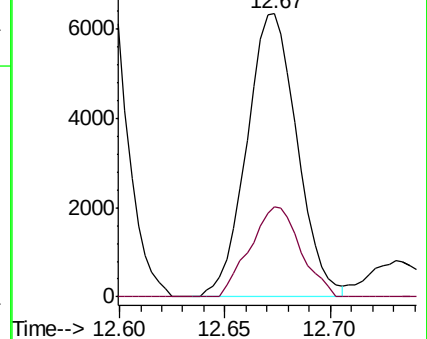
91 100

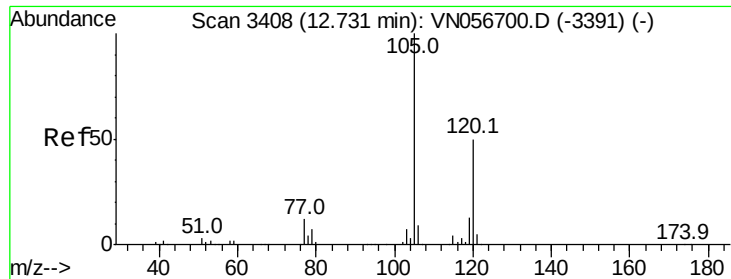
126 31.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.154 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 12224

Ion Ratio Lower Upper

105 100

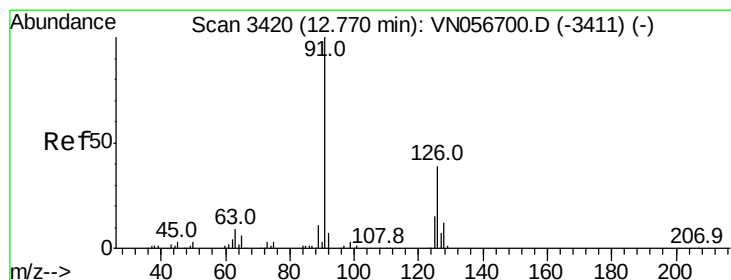
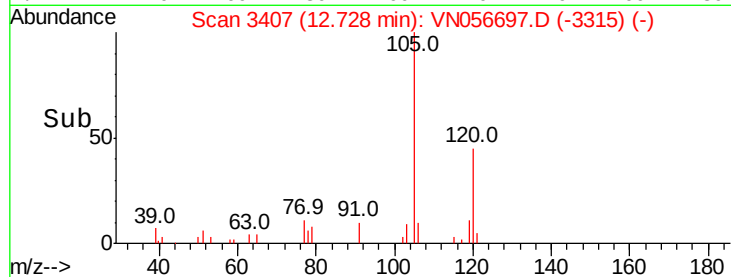
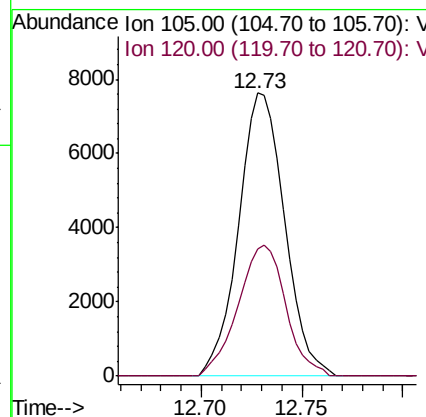
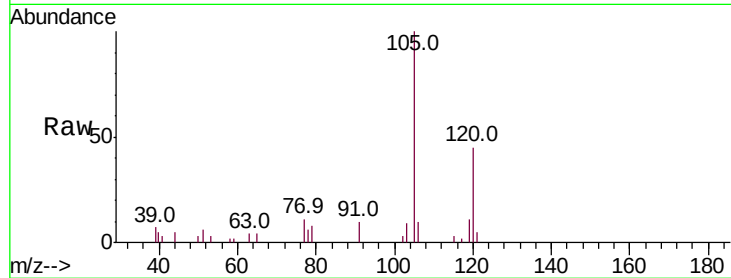
120 47.7 24.8 74.3

Manual Integrations

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#82

4-Chlorotoluene

Concen: 1.122 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056697.D

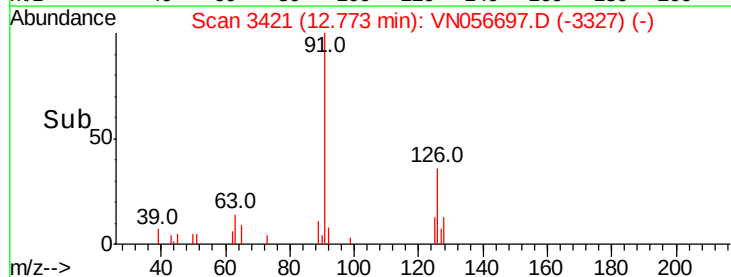
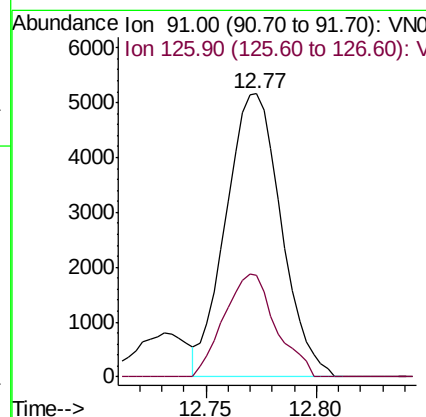
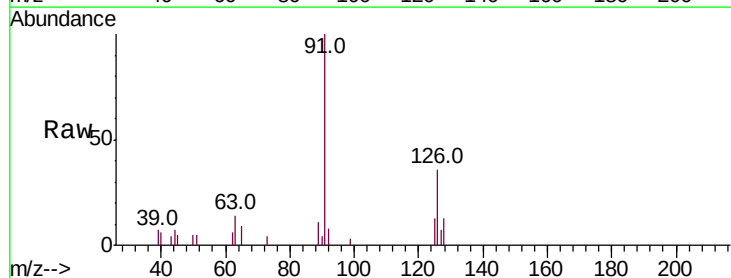
Acq: 15 Jul 2019 8:49

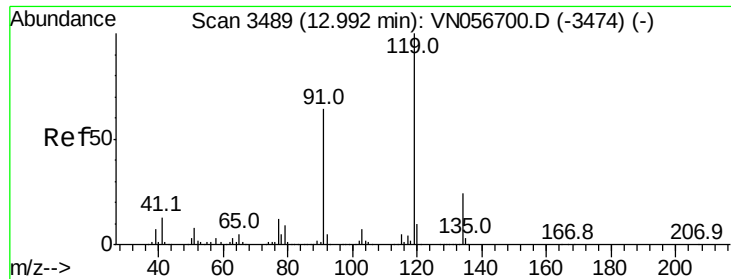
Tgt Ion: 91 Resp: 8966

Ion Ratio Lower Upper

91 100

126 33.9 17.6 52.8





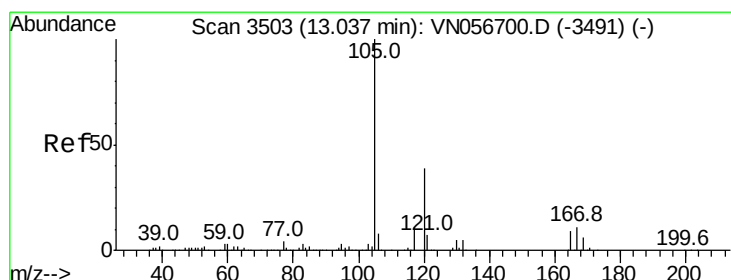
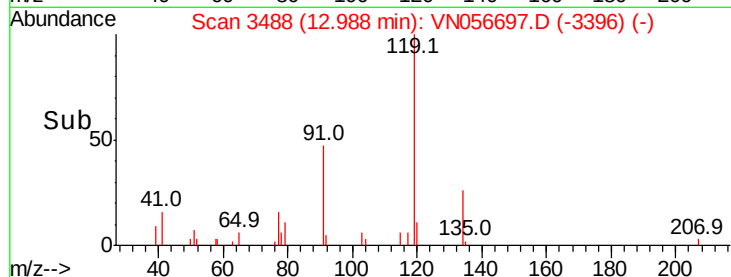
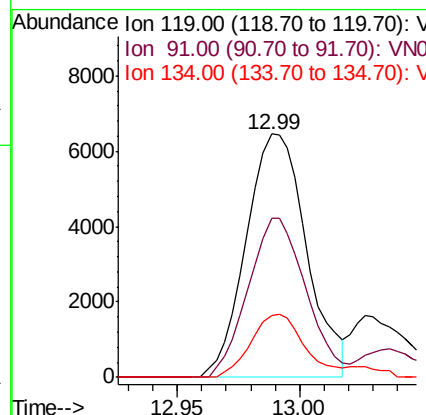
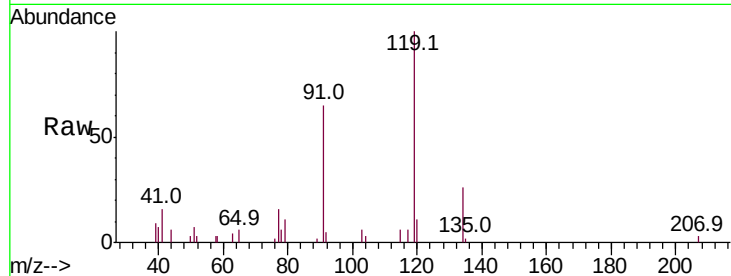
#83
 tert-Butylbenzene
 Concen: 1.151 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.8	95.4
134	23.1	13.0	38.9

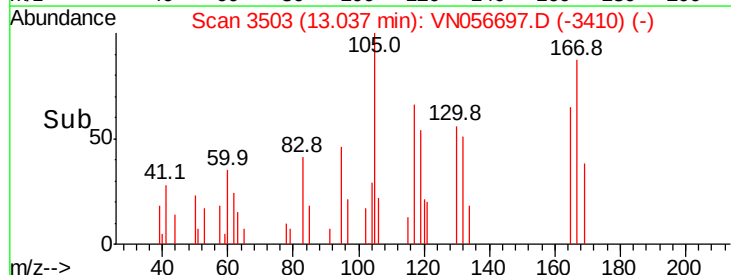
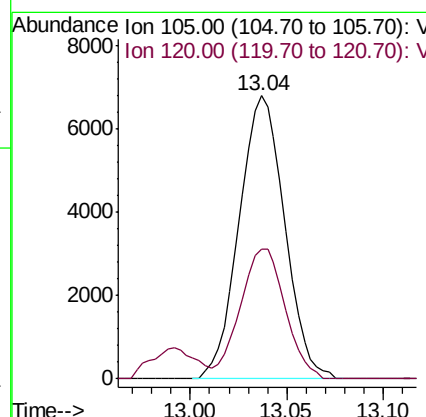
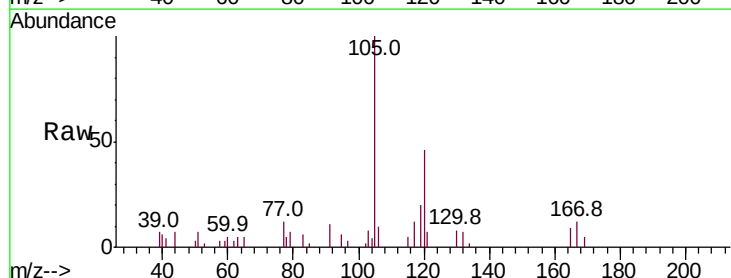
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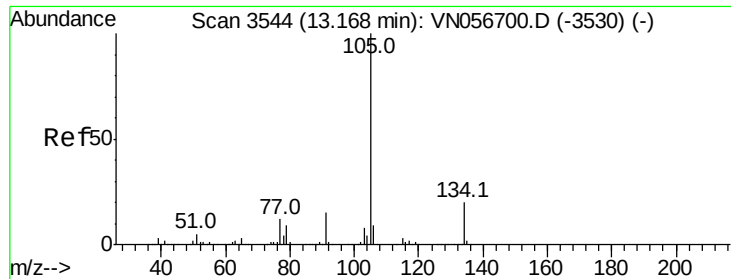
MMDadoda
 7/17/2019 1:31:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.115 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 1.071 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 12698

Ion Ratio Lower Upper

105 100

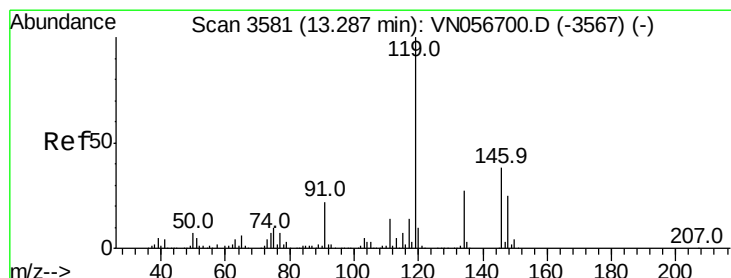
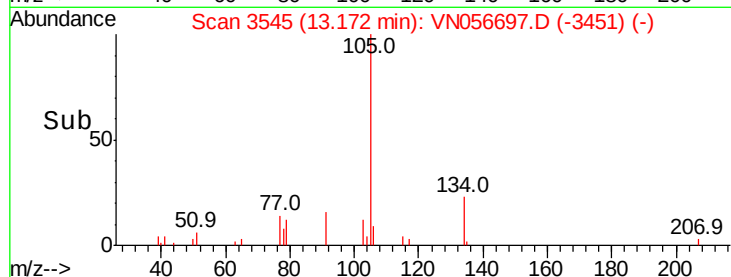
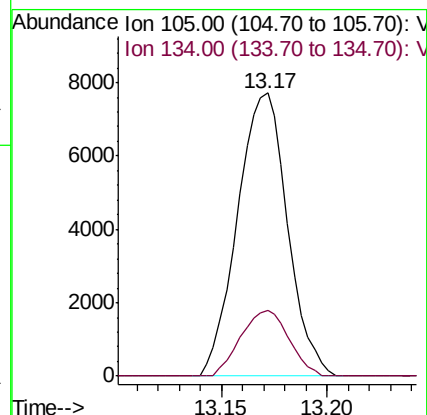
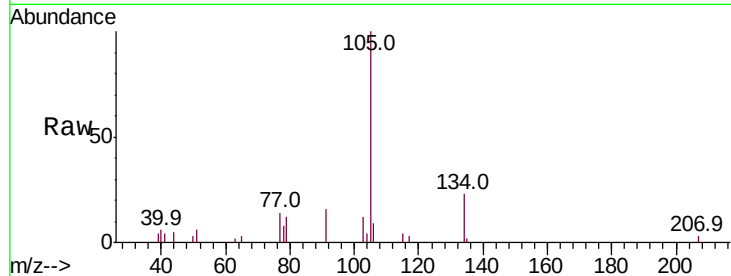
134 22.5 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 1.115 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

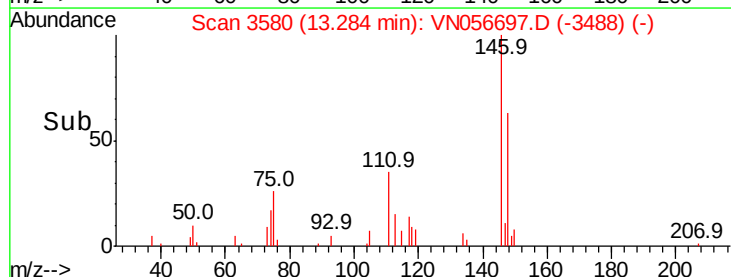
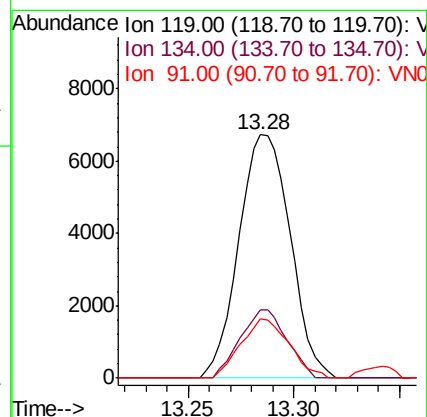
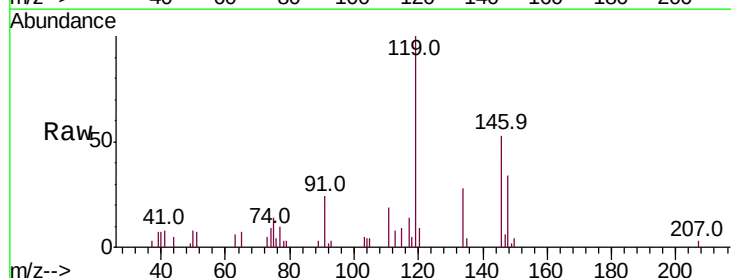
Tgt Ion:119 Resp: 11386

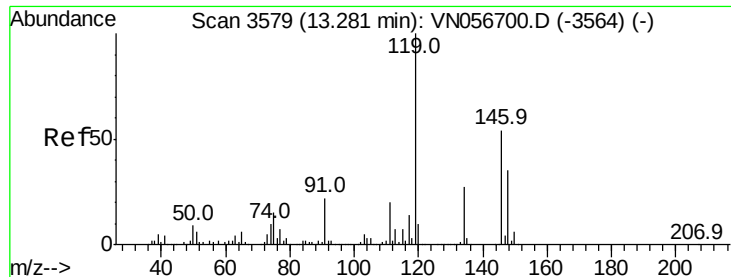
Ion Ratio Lower Upper

119 100

134 25.4 13.6 40.7

91 22.9 11.2 33.5





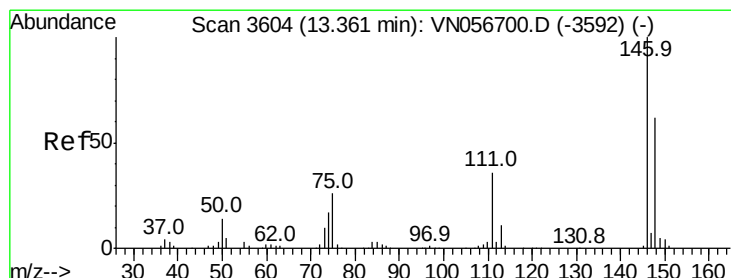
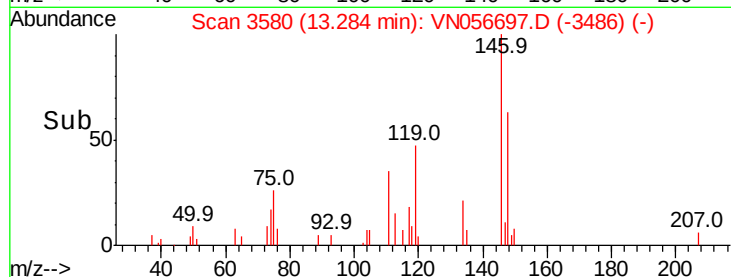
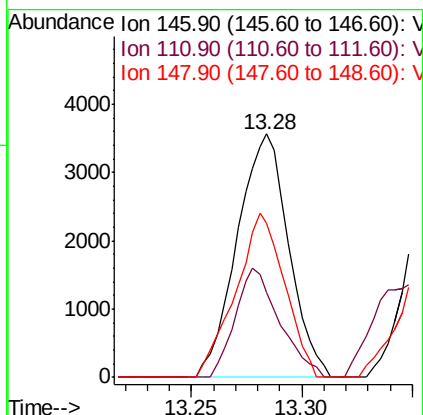
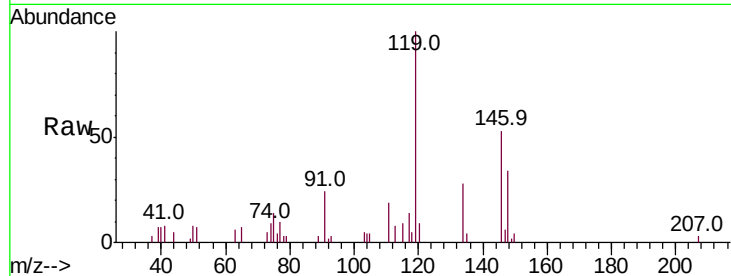
#87
 1,3-Dichlorobenzene
 Concen: 1.155 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.8	56.3
148	63.9	32.3	96.8

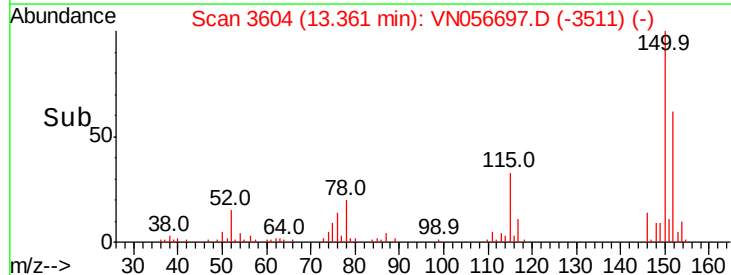
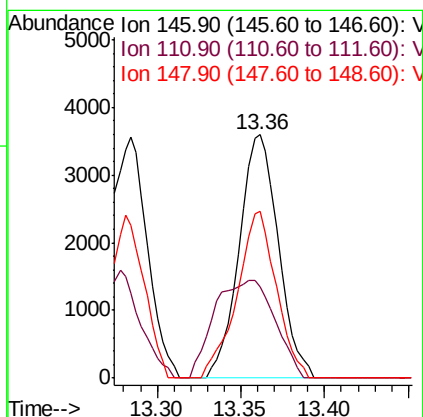
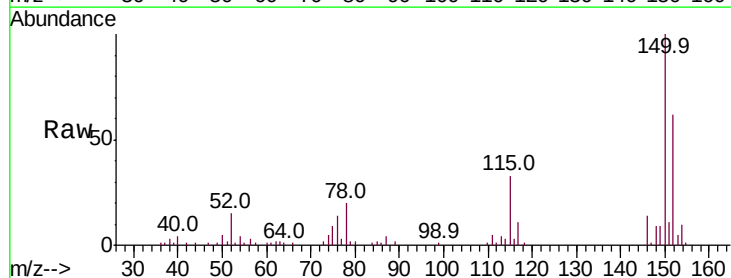
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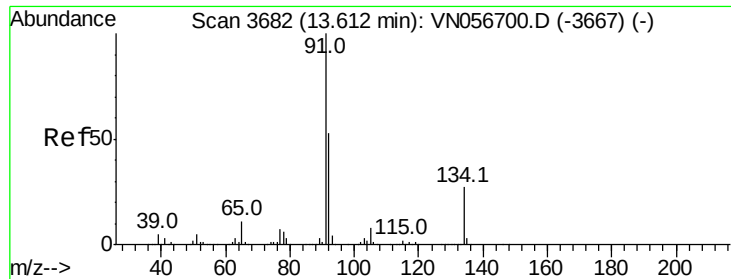
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 1.189 ug/l m
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.6	55.8
148	63.8	31.9	95.7





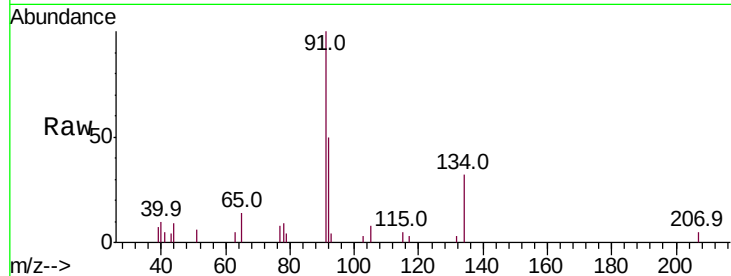
#89
n-Butylbenzene
Concen: 1.054 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

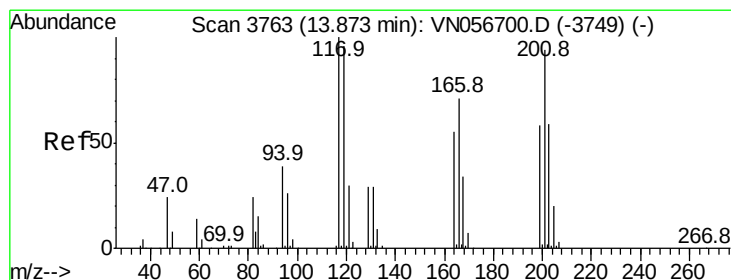
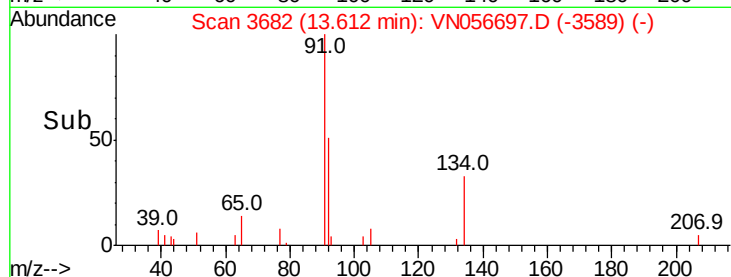
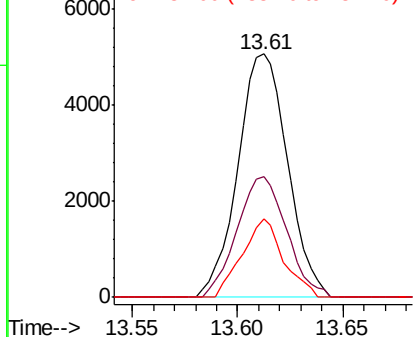
Tot Ion	Ratio	Lower	Upper
91	100		
92	49.5	26.0	78.0
134	26.8	13.4	40.2

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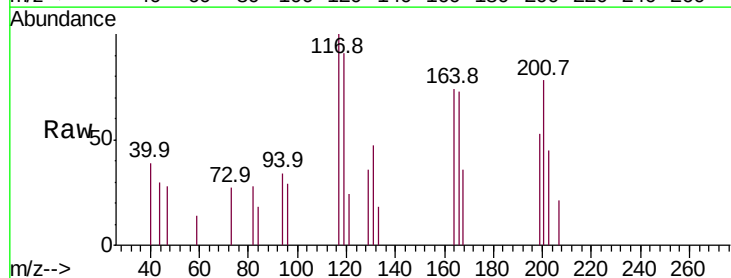


Abundance Ion 91.00 (90.70 to 91.70): VN056700.D (-3667) (-)
Ion 92.00 (91.70 to 92.70): VN056700.D (-3667) (-)
Ion 134.00 (133.70 to 134.70): VN056700.D (-3667) (-)

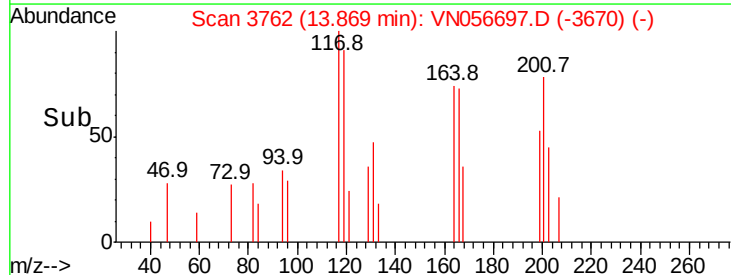
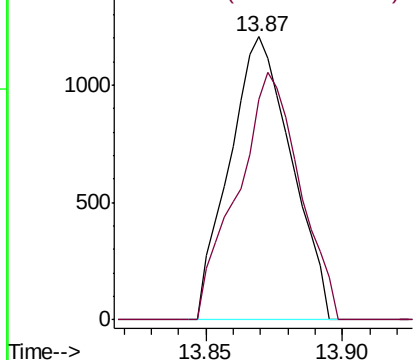


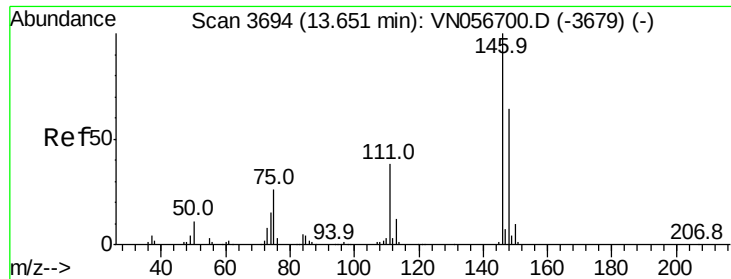
#90
Hexachloroethane
Concen: 1.184 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN056697.D
Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.8	46.5	139.5



Abundance Ion 116.80 (116.50 to 117.50): VN056700.D (-3749) (-)
Ion 200.70 (200.40 to 201.40): VN056700.D (-3749) (-)





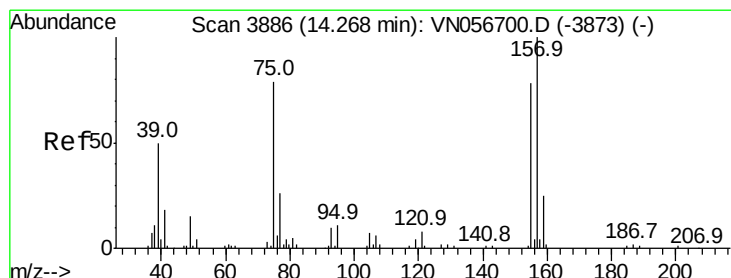
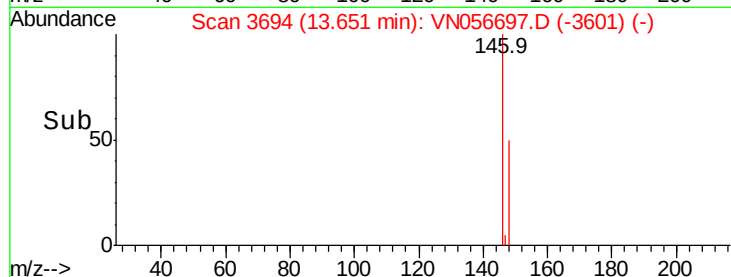
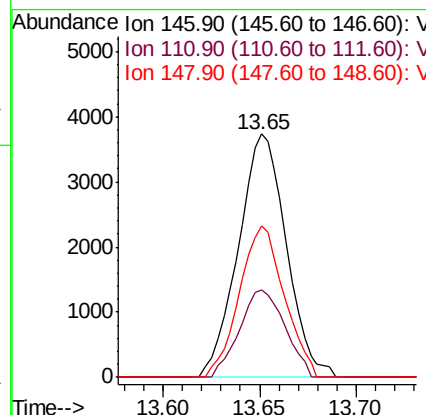
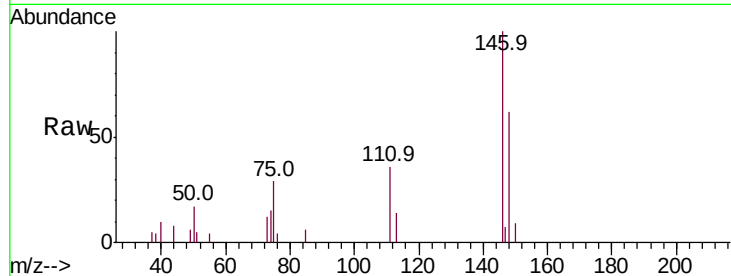
#91
 1,2-Dichlorobenzene
 Concen: 1.290 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.1	19.1	57.1
148	58.0	31.7	95.1

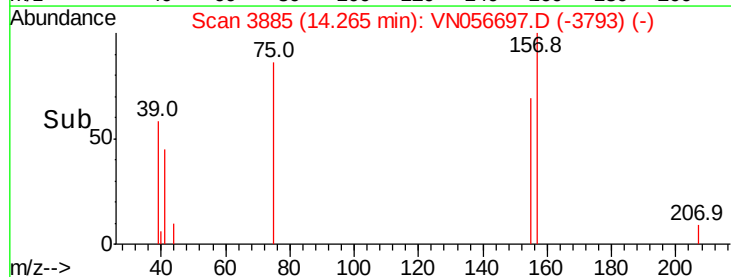
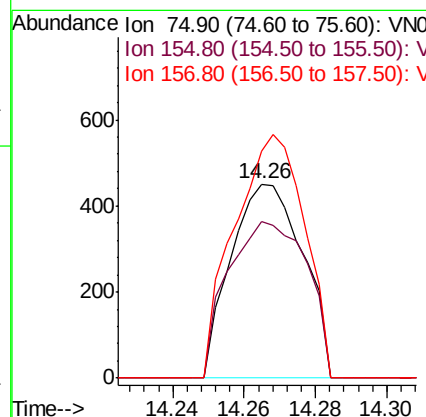
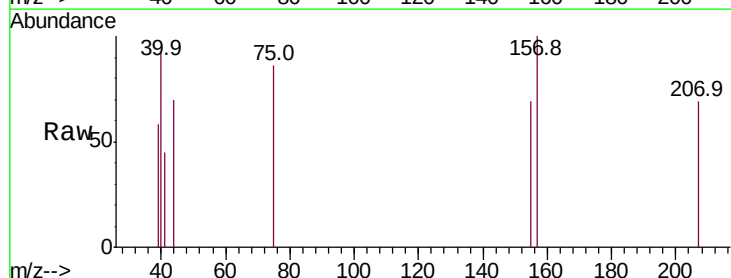
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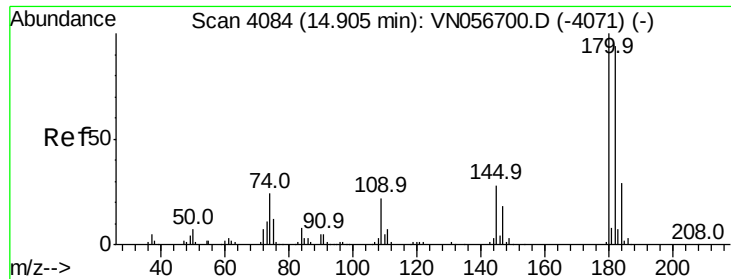
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.122 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	49.3	147.9
157	122.2	62.4	187.1





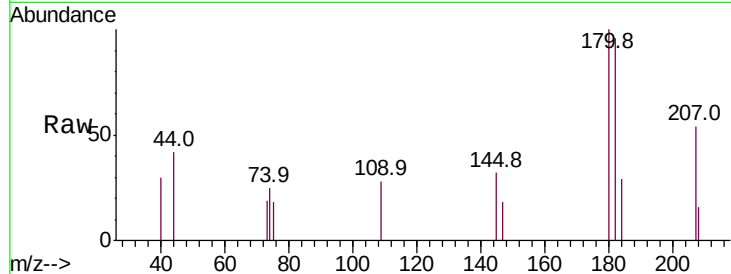
#93
 1,2,4-Trichlorobenzene
 Concen: 0.722 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	105.5	47.2	141.6
145	27.1	14.2	42.8

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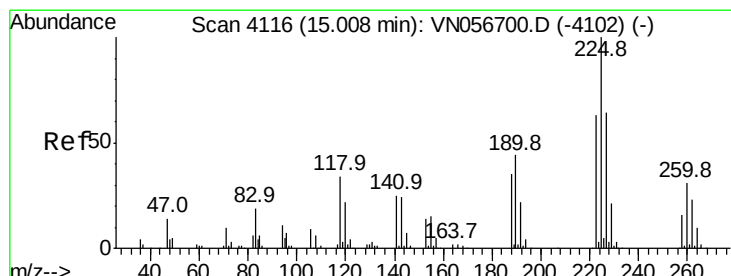
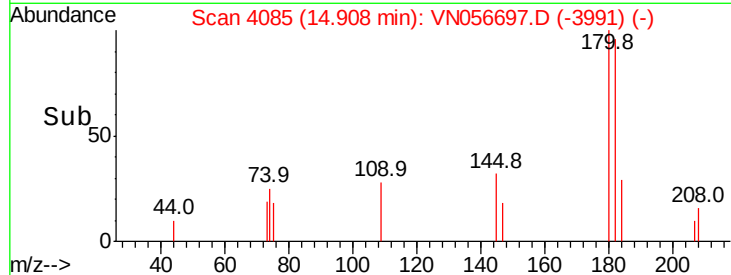
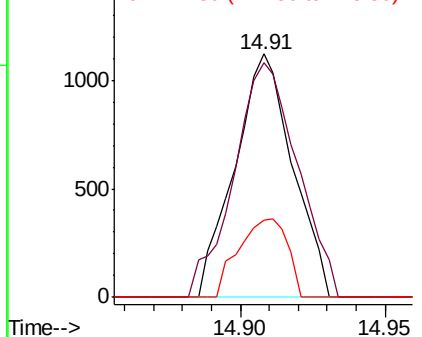


Abundance

Ion 179.80 (179.50 to 180.50): V

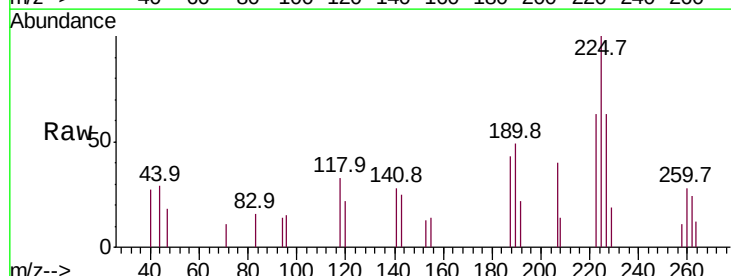
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 1.290 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056697.D
 Acq: 15 Jul 2019 8:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	31.5	94.5
227	67.1	32.0	96.2

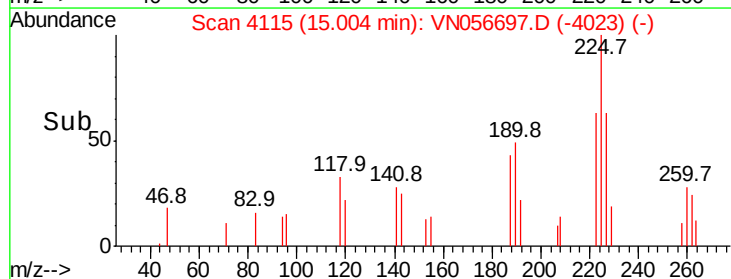
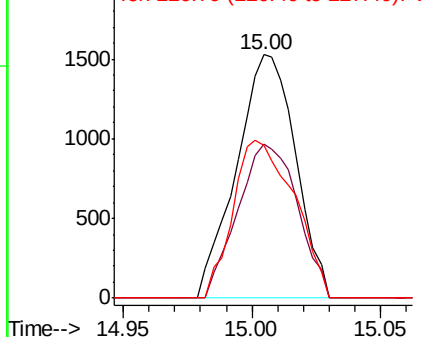


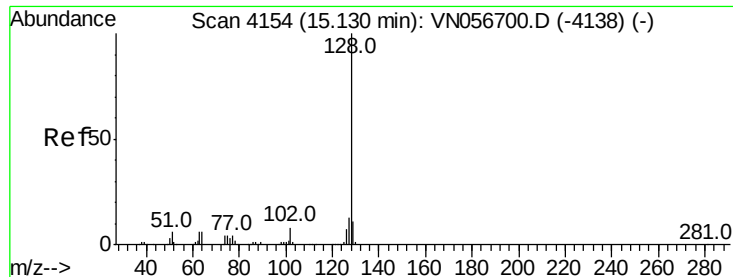
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.772 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Instrument :

MSVOA_N

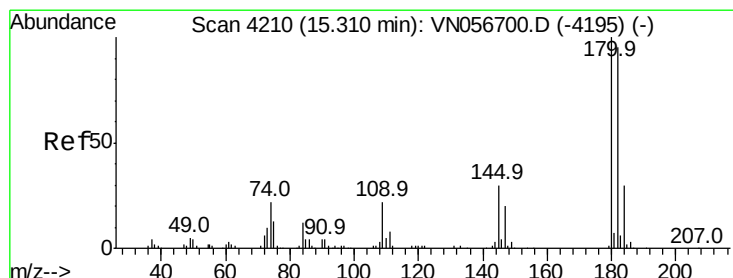
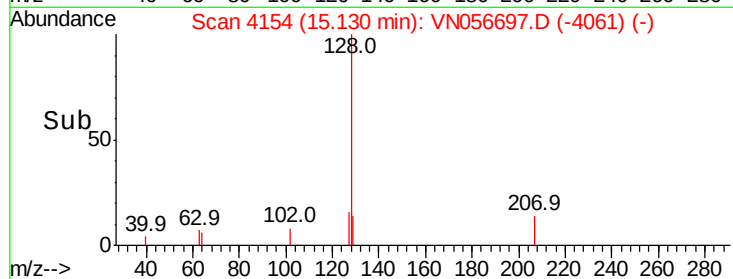
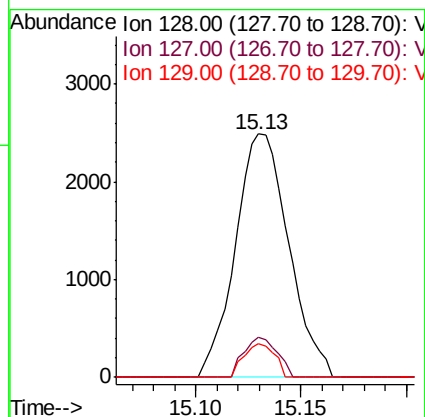
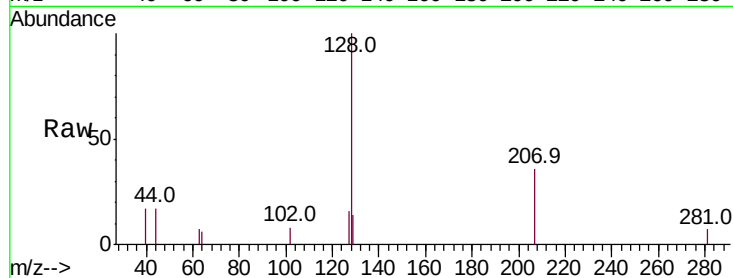
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	4385
Ion Ratio	Lower	Upper	
128	100		
127	10.1	10.3	15.5#
129	7.9	8.7	13.1#

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#96

1,2,3-Trichlorobenzene

Concen: 0.762 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056697.D

Acq: 15 Jul 2019 8:49

Tgt Ion:	180	Resp:	1748
Ion Ratio	Lower	Upper	
180	100		
182	114.2	47.1	141.3
145	31.6	15.0	45.1

