

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059325.D
 Acq On : 20 Nov 2019 13:57
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:08:08 AM

Quant Time: Nov 21 05:54:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	379564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	610961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	515848	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	196576	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	1.84	85	4650	1.216	ug/l	90
3) Chloromethane	2.04	50	6545	1.259	ug/l	96
4) Vinyl Chloride	2.17	62	5911	1.173	ug/l	89
6) Chloroethane	2.69	64	3888	1.304	ug/l	100
7) Trichlorofluoromethane	3.00	101	7190	1.193	ug/l	97
8) Diethyl Ether	3.39	74	2762	1.128	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4262	1.173	ug/l	99
12) 1,1-Dichloroethene	3.72	96	4391	1.240	ug/l	96
14) Allyl chloride	4.29	41	7851	1.079	ug/l	94
15) Acrylonitrile	4.97	53	11817	5.340	ug/l	98
16) Acetone	3.80	43	10859	4.476	ug/l	99
17) Carbon Disulfide	4.03	76	19189	1.746	ug/l	99
18) Methyl Acetate	4.30	43	7039	1.222	ug/l #	76
19) Methyl tert-butyl Ether	5.02	73	12727	1.044	ug/l	97
20) Methylene Chloride	4.53	84	5202	1.231	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	4501	1.184	ug/l	94
22) Diisopropyl ether	5.92	45	13828	1.007	ug/l #	62
23) Vinyl Acetate	5.87	43	54762	5.143	ug/l	100
24) 1,1-Dichloroethane	5.82	63	7852	1.023	ug/l #	92
25) 2-Butanone	6.82	43	14976	4.683	ug/l	98
26) 2,2-Dichloropropane	6.80	77	7501	1.118	ug/l	82
27) cis-1,2-Dichloroethene	6.81	96	5196	1.178	ug/l	95
28) Bromochloromethane	7.18	49	1935m	0.838	ug/l	
29) Tetrahydrofuran	7.20	42	10690	5.261	ug/l	98
30) Chloroform	7.36	83	10928	1.485	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	6755	1.092	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	6594	1.155	ug/l	97
37) Ethyl Acetate	6.91	43	7112	1.119	ug/l #	87
38) Carbon Tetrachloride	7.75	117	6114	1.076	ug/l	97
39) Methylcyclohexane	9.07	83	7303	1.102	ug/l	91
40) Benzene	8.02	78	18675	1.086	ug/l	95
41) Methacrylonitrile	7.16	41	2565m	0.928	ug/l	
42) 1,2-Dichloroethane	8.10	62	6189	1.049	ug/l	87
43) Isopropyl Acetate	8.15	43	9457	0.934	ug/l	95

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.82	130	4961	1.174	ug/l	93
45) 1,2-Dichloropropane	9.11	63	4951	1.060	ug/l	97
46) Dibromomethane	9.19	93	2901	0.997	ug/l	84
47) Bromodichloromethane	9.39	83	5791	0.996	ug/l	94
48) Methyl methacrylate	9.19	41	4644	1.025	ug/l	87
49) 1,4-Dioxane	9.20	88	1359m	16.880	ug/l	
51) 4-Methyl-2-Pentanone	9.98	43	27400	4.781	ug/l	99
52) Toluene	10.15	92	10714	1.039	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	6994	1.042	ug/l #	78
54) cis-1,3-Dichloropropene	9.83	75	7165	0.992	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	4094	0.981	ug/l #	85
56) Ethyl methacrylate	10.43	69	4922	0.795	ug/l #	84
57) 1,3-Dichloropropane	10.70	76	7344	1.023	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	7128	3.070	ug/l	99
59) 2-Hexanone	10.75	43	19083	4.338	ug/l	95
60) Dibromochloromethane	10.90	129	4084	0.926	ug/l	98
61) 1,2-Dibromoethane	11.00	107	4375	1.036	ug/l	96
64) Tetrachloroethene	10.63	164	4724	1.347	ug/l	92
65) Chlorobenzene	11.43	112	11677	1.161	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.51	131	3832	1.016	ug/l #	50
67) Ethyl Benzene	11.51	91	20384	1.143	ug/l	99
68) m/p-Xylenes	11.62	106	14548	2.177	ug/l	99
69) o-Xylene	11.95	106	6757	1.046	ug/l	99
70) Styrene	11.97	104	10061	0.990	ug/l	99
71) Bromoform	12.13	173	2712	0.924	ug/l #	94
73) Isopropylbenzene	12.25	105	18218	1.274	ug/l	97
74) N-amyl acetate	12.07	43	6633	1.095	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	6043	1.241	ug/l #	97
76) 1,2,3-Trichloropropane	12.56	75	4975m	1.112	ug/l	
77) Bromobenzene	12.53	156	4508	1.255	ug/l	94
78) n-propylbenzene	12.59	91	19875	1.214	ug/l	96
79) 2-Chlorotoluene	12.68	91	13121	1.292	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	15232	1.257	ug/l	98
82) 4-Chlorotoluene	12.78	91	14987	1.471	ug/l	94
83) tert-Butylbenzene	12.99	119	12156	1.162	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	14301	1.220	ug/l	94
85) sec-Butylbenzene	13.17	105	16803	1.235	ug/l	98
86) p-Isopropyltoluene	13.29	119	14305	1.191	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	8474	1.377	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	8480m	1.378	ug/l	
89) n-Butylbenzene	13.62	91	12699	1.208	ug/l	98
90) Hexachloroethane	13.88	117	2985	1.237	ug/l	86
91) 1,2-Dichlorobenzene	13.66	146	7921	1.309	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1343	1.222	ug/l	84
93) 1,2,4-Trichlorobenzene	14.92	180	6422	1.981	ug/l	91
94) Hexachlorobutadiene	15.01	225	3061	1.467	ug/l	87
95) Naphthalene	15.13	128	21762	2.444	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	8139	2.400	ug/l	94

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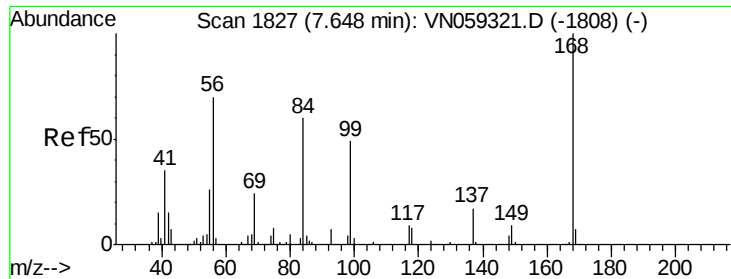
Manual Integrations
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Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 379564

Ion Ratio Lower Upper

168 100

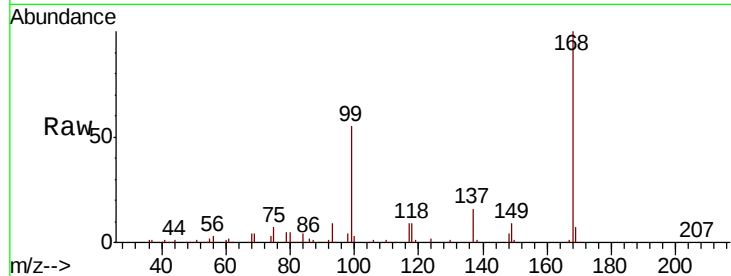
99 54.8 45.7 68.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

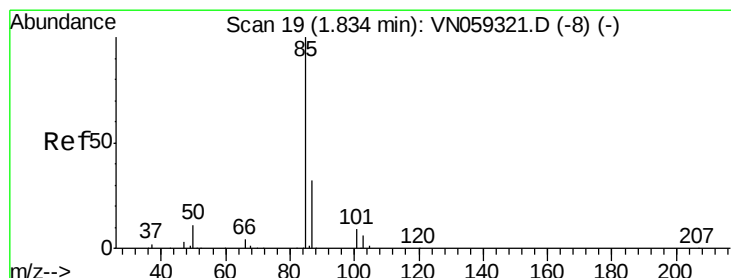
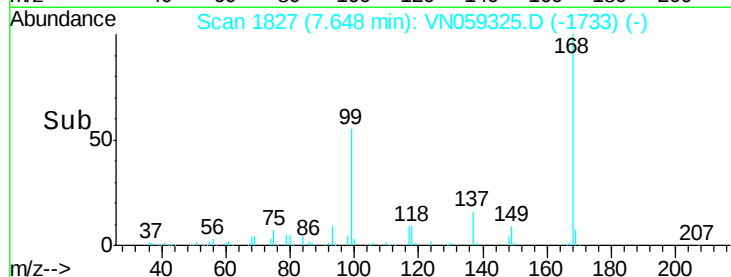
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.216 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059325.D

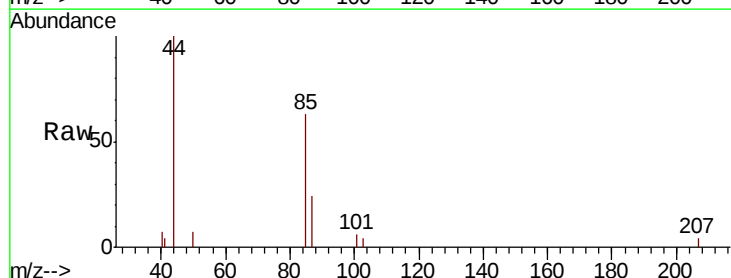
Acq: 20 Nov 2019 13:57

Tgt Ion: 85 Resp: 4650

Ion Ratio Lower Upper

85 100

87 38.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

3000

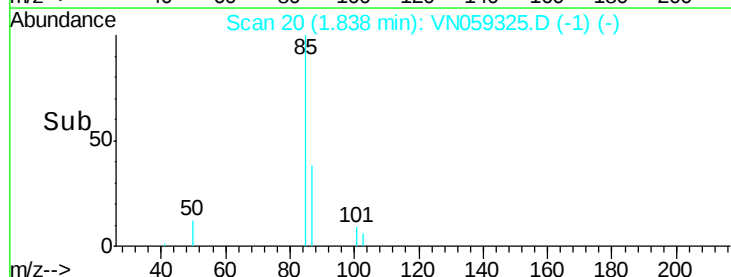
2000

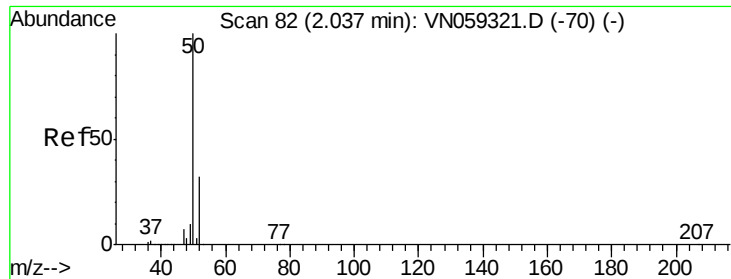
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 1.259 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6545

Ion Ratio Lower Upper

50 100

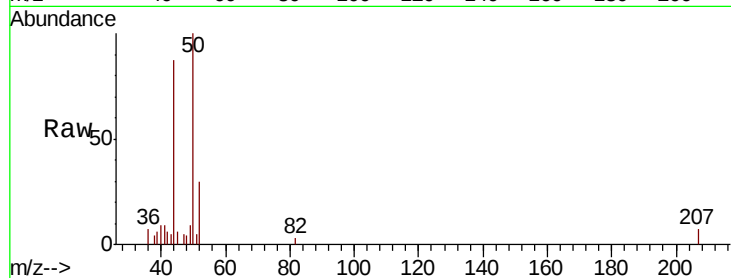
52 30.4 26.0 39.0

Manual Integrations

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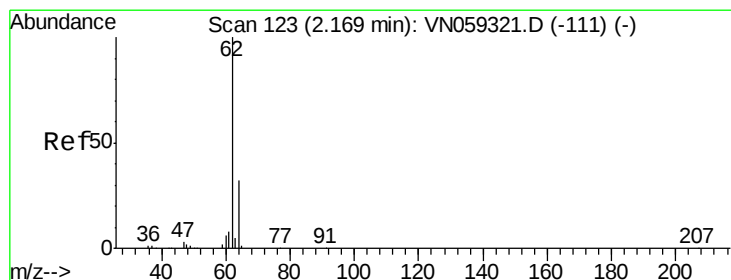
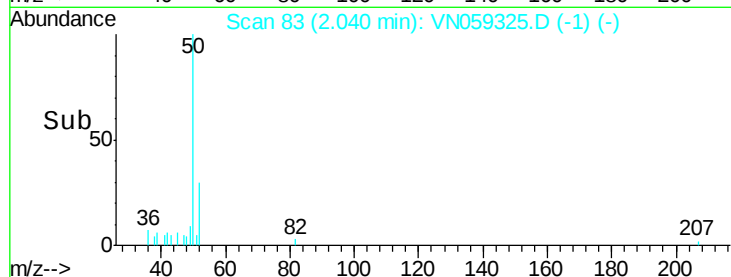
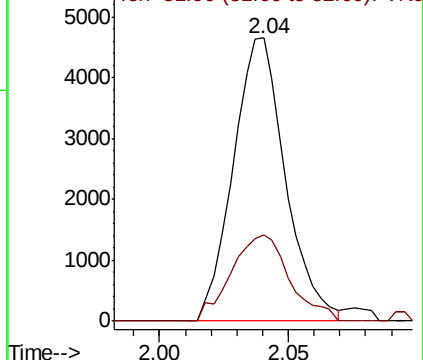
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 1.173 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059325.D

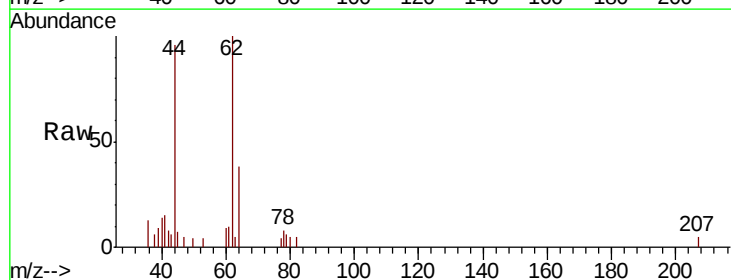
Acq: 20 Nov 2019 13:57

Tgt Ion: 62 Resp: 5911

Ion Ratio Lower Upper

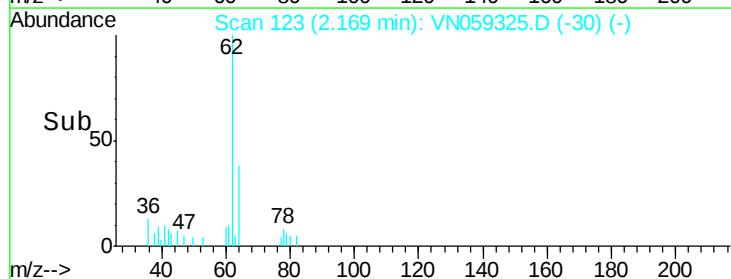
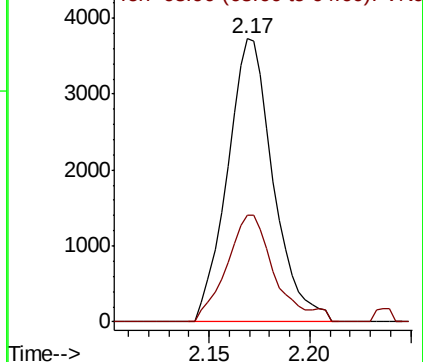
62 100

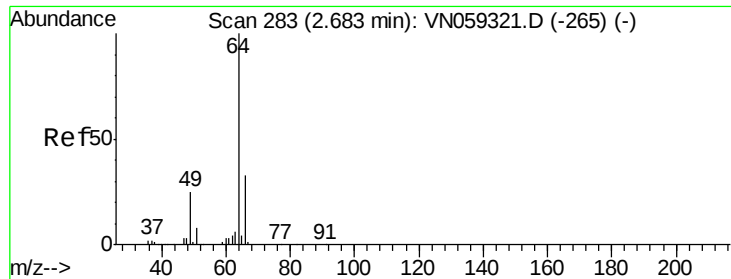
64 37.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#6

Chloroethane

Concen: 1.304 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3888

Ion Ratio Lower Upper

64 100

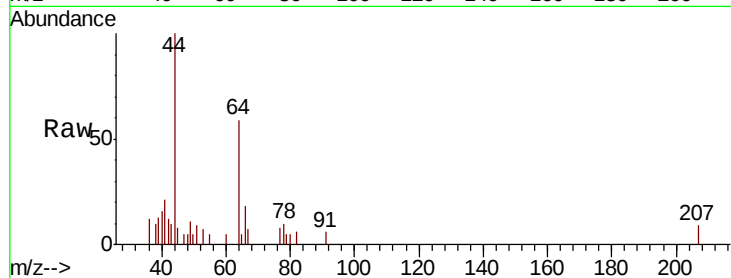
66 31.4 25.2 37.8

Manual Integrations

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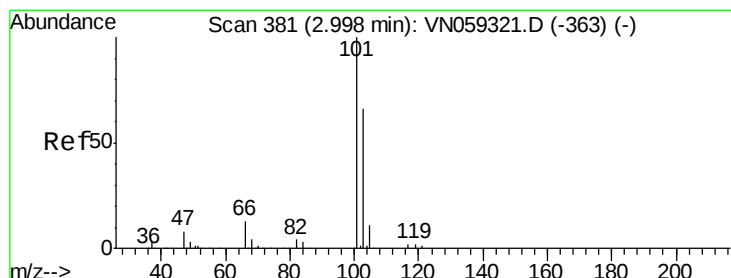
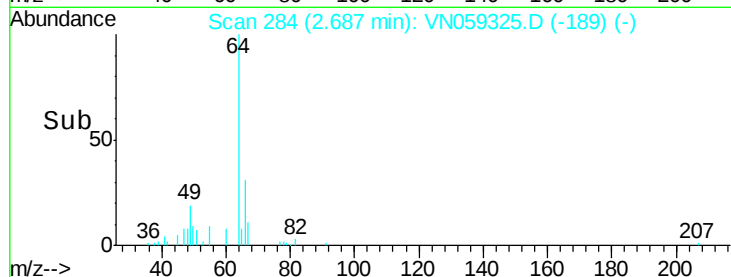
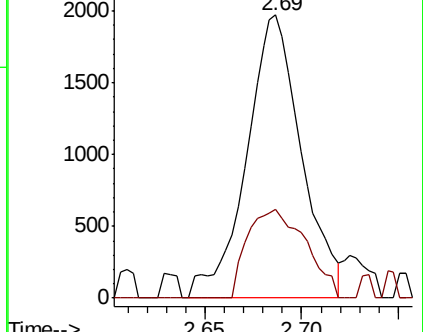
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Abundance Ion 63.90 (63.60 to 64.60): VN059325.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059325.D (-189) (-)



#7

Trichlorofluoromethane

Concen: 1.193 ug/l

RT: 3.00 min Scan# 382

Delta R.T. 0.01 min

Lab File: VN059325.D

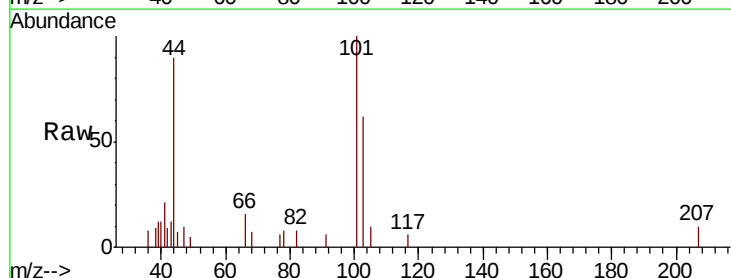
Acq: 20 Nov 2019 13:57

Tgt Ion: 101 Resp: 7190

Ion Ratio Lower Upper

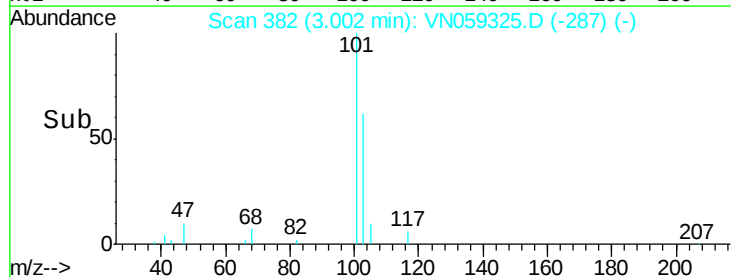
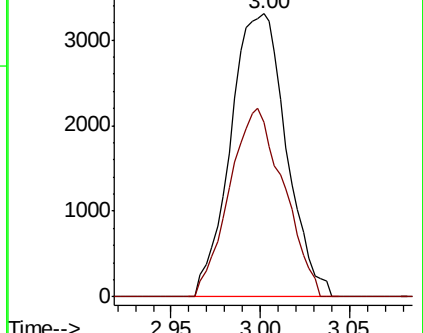
101 100

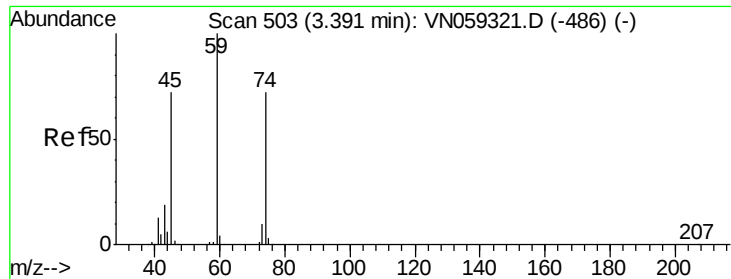
103 61.8 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): VN059325.D (-287) (-)

Ion 102.80 (102.50 to 103.50): VN059325.D (-287) (-)





#8

Diethyl Ether

Concen: 1.128 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2762

Ion Ratio Lower Upper

74 100

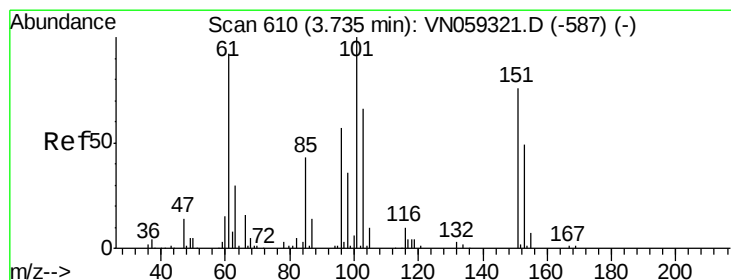
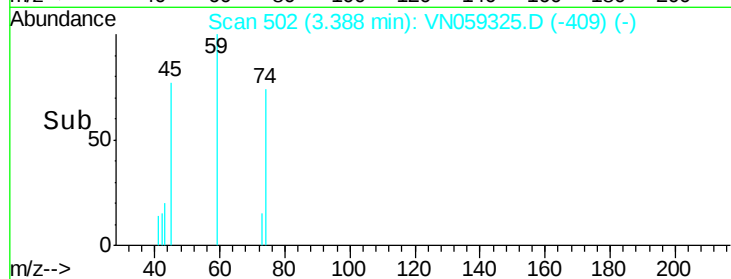
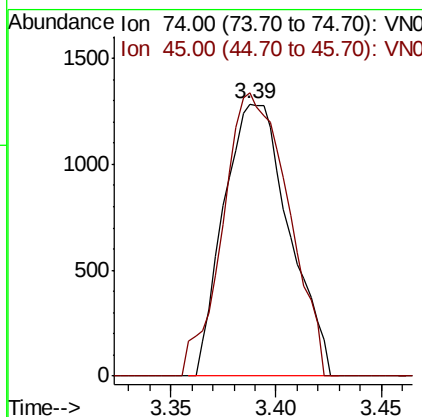
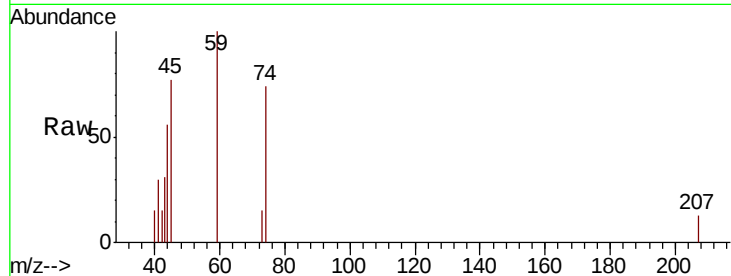
45 104.2 51.6 154.9

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.173 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

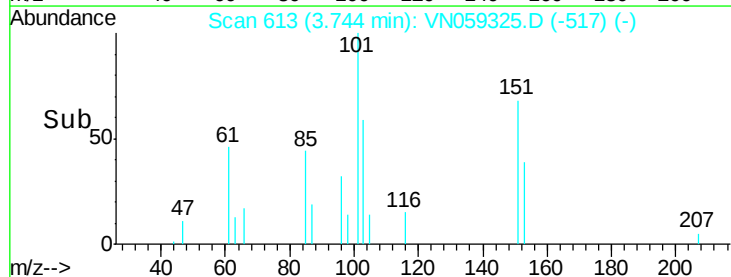
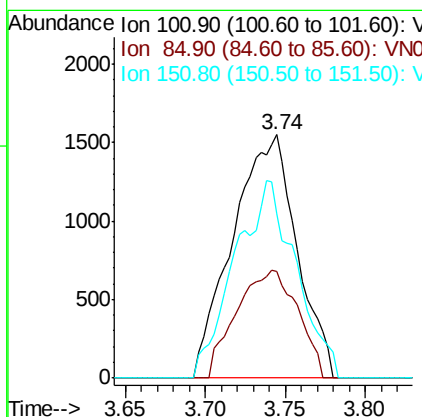
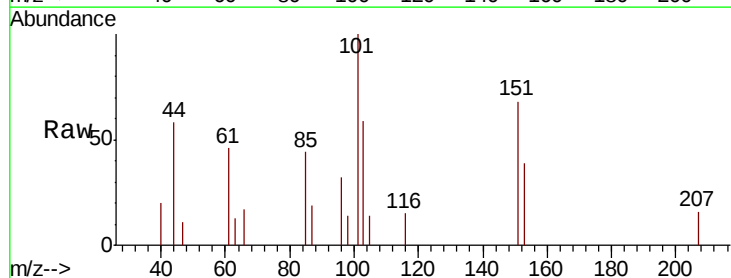
Tgt Ion: 101 Resp: 4262

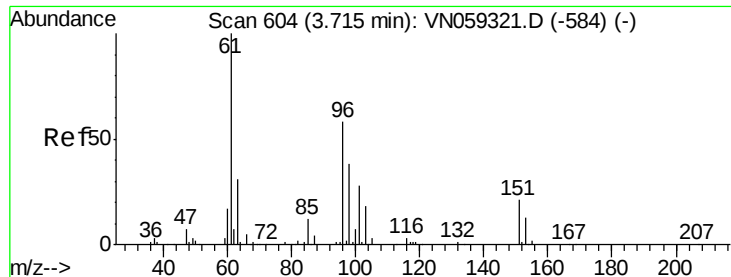
Ion Ratio Lower Upper

101 100

85 42.4 35.5 53.3

151 77.7 62.2 93.2





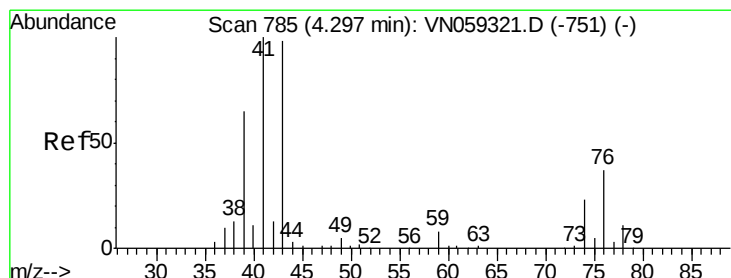
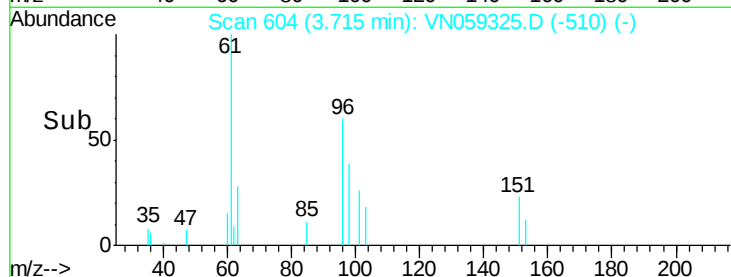
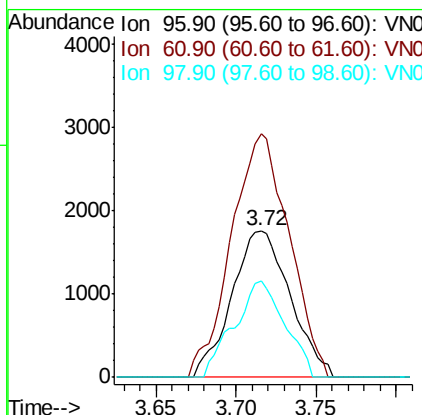
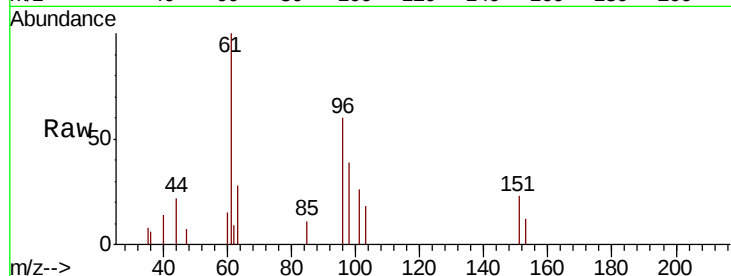
#12
1,1-Dichloroethene
Concen: 1.240 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
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VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.7	136.5	204.7
98	65.4	50.2	75.4

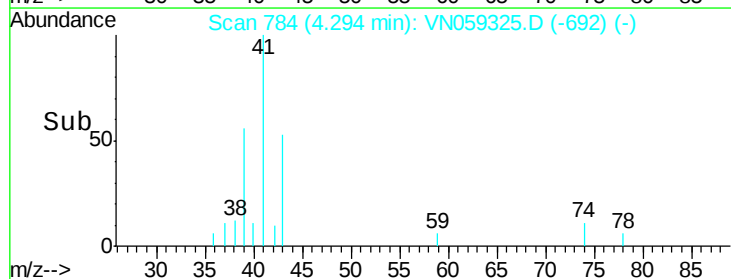
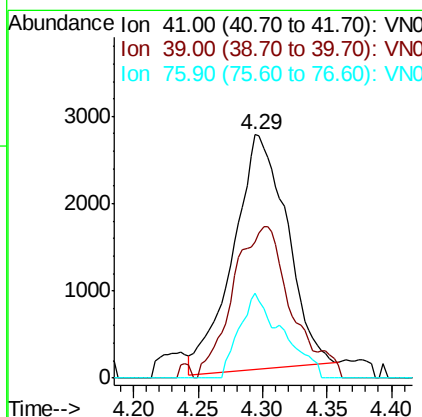
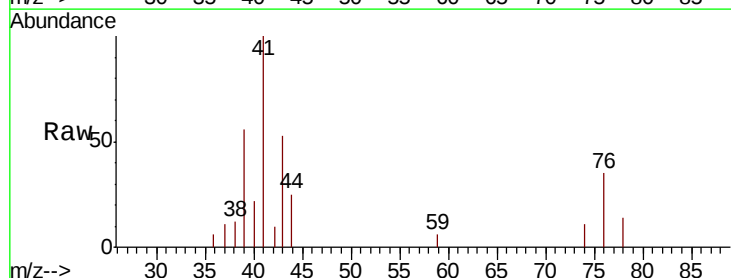
Manual Integrations
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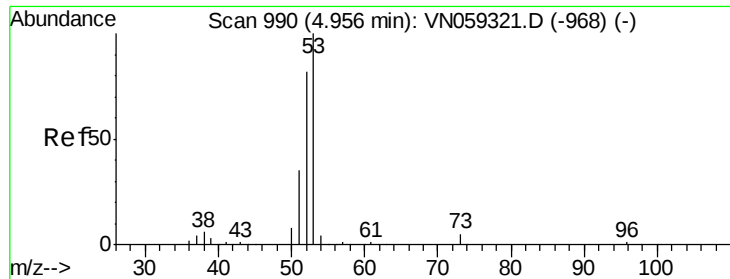
MMDadoda
11/21/2019 11:08:08 AM



#14
Allyl chloride
Concen: 1.079 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.6	49.1	73.7
76	29.0	24.9	37.3





#15

Acrylonitrile

Concen: 5.340 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.02 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

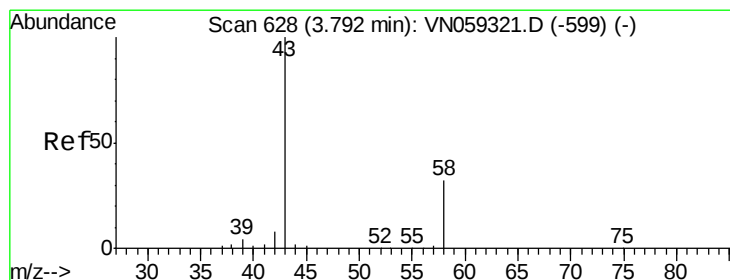
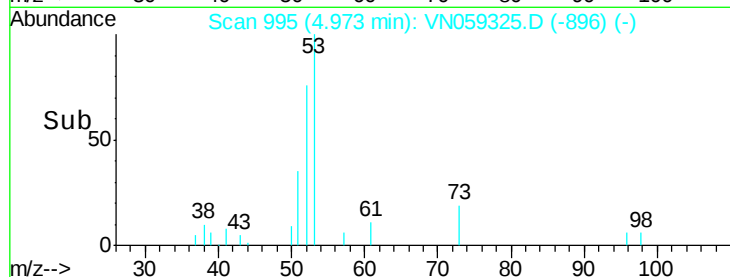
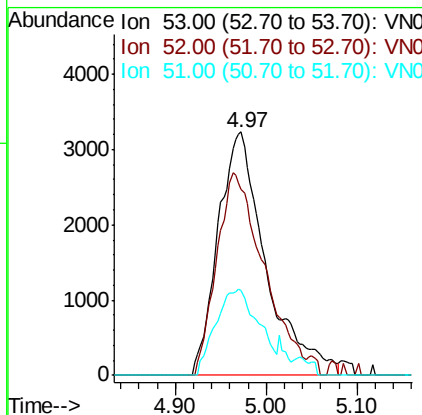
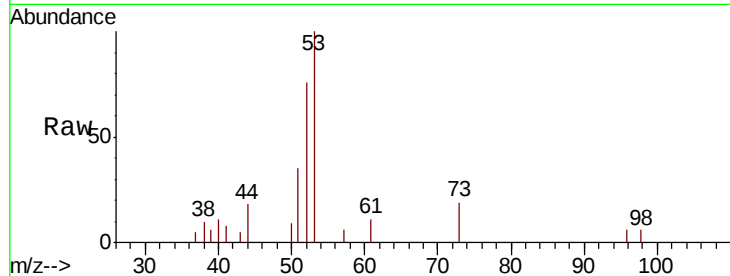
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	11817
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.0	97.6
51	31.8	28.0	42.0

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#16

Acetone

Concen: 4.476 ug/l

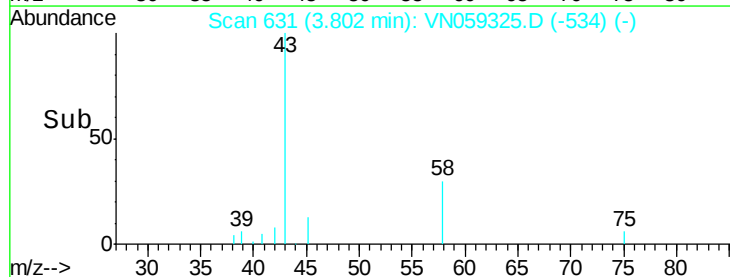
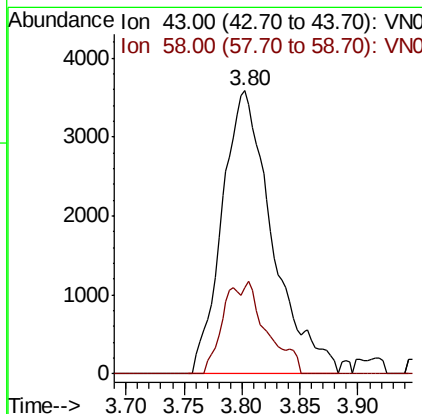
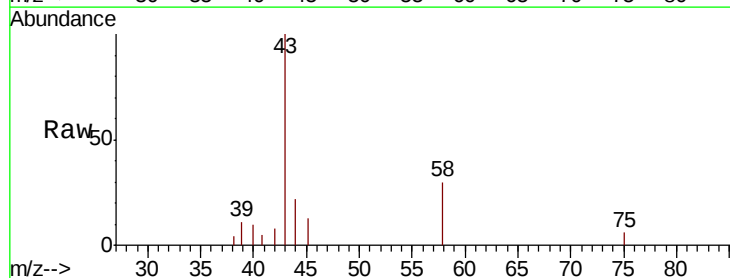
RT: 3.80 min Scan# 631

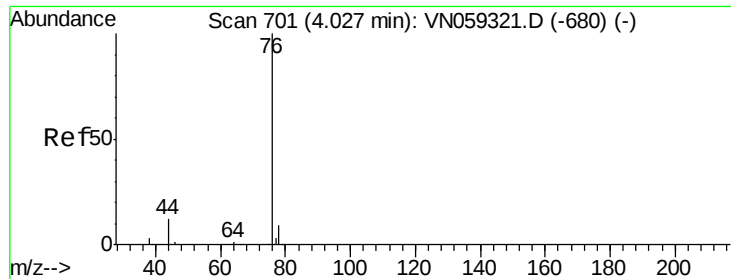
Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	43	Resp:	10859
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.9	37.3





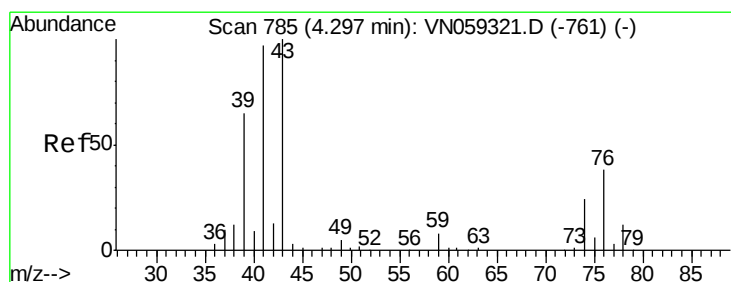
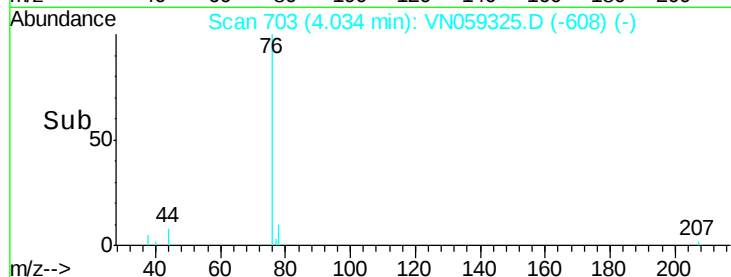
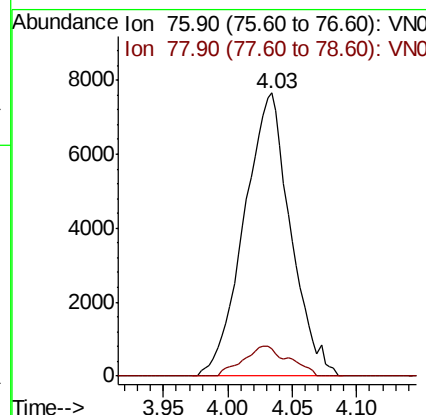
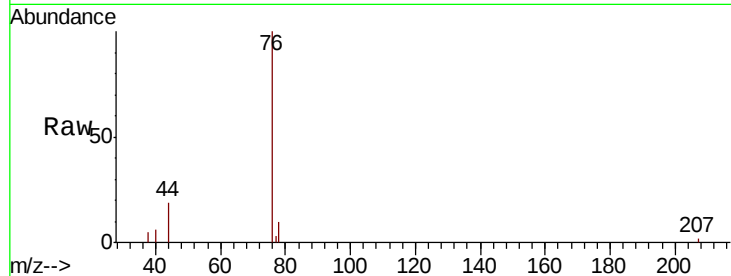
#17
Carbon Disulfide
Concen: 1.746 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.4	11.0

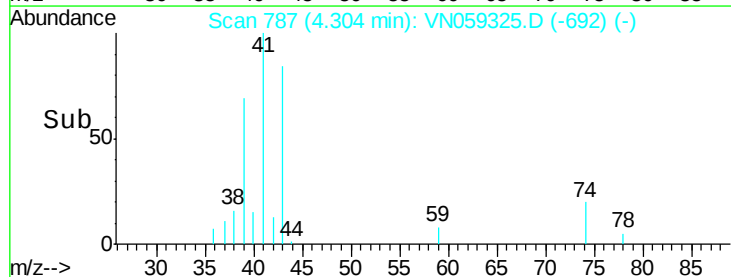
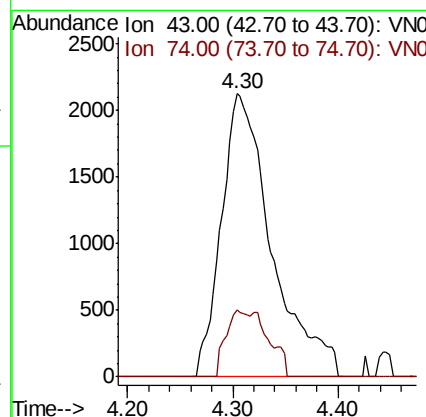
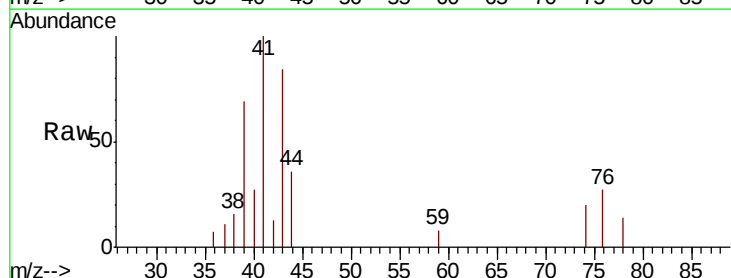
Manual Integrations
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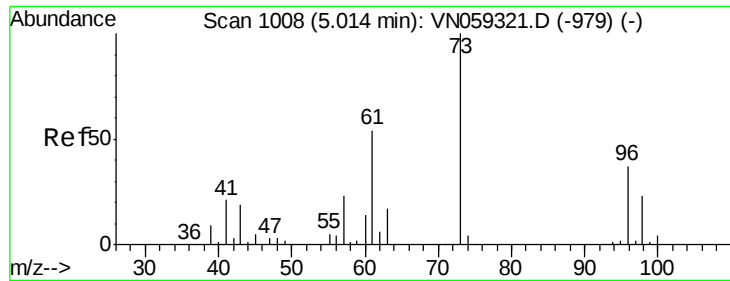
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#18
Methyl Acetate
Concen: 1.222 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	11.0	17.8	26.8#





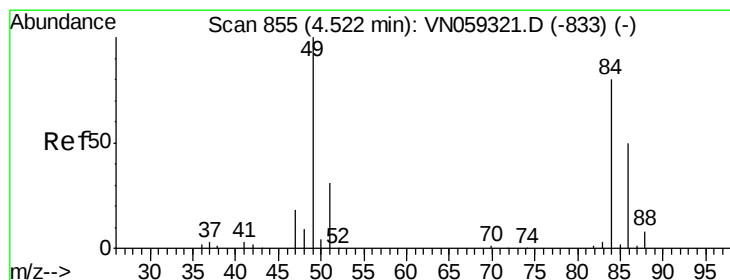
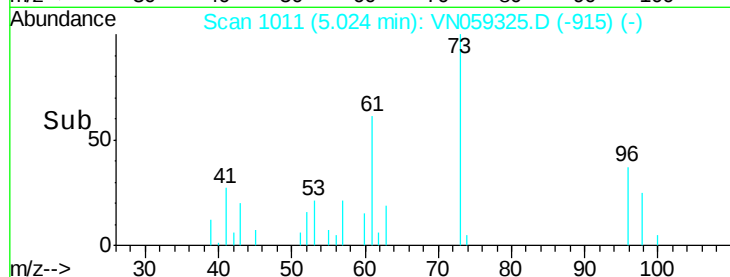
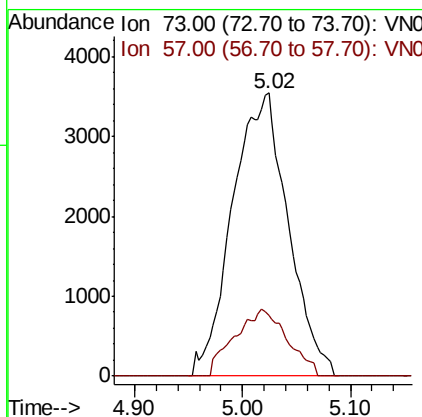
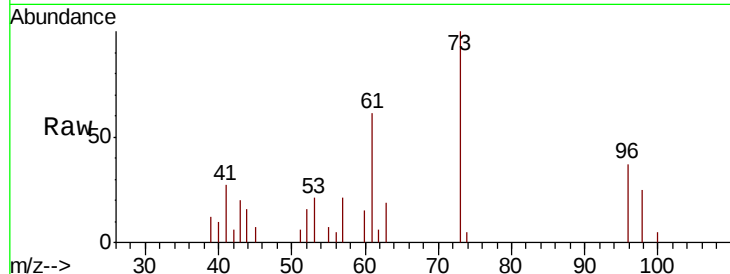
#19
Methvl tert-butvl Ether
Concen: 1.044 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 12727
Ion Ratio Lower Upper
73 100
57 21.5 18.4 27.6

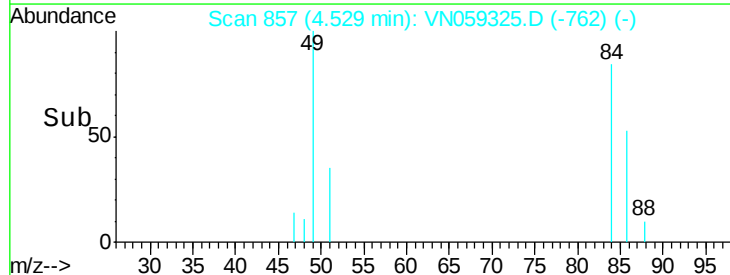
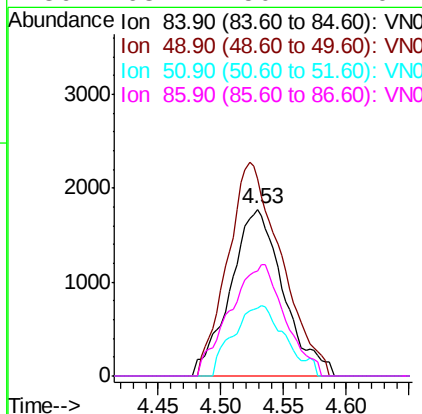
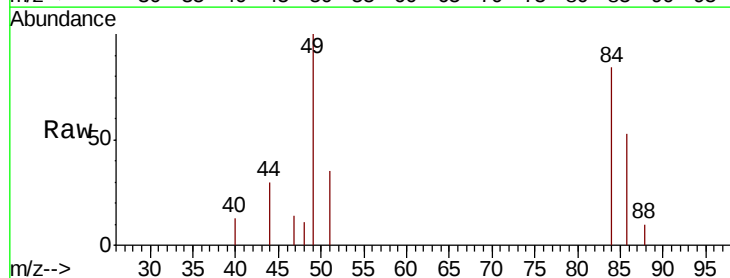
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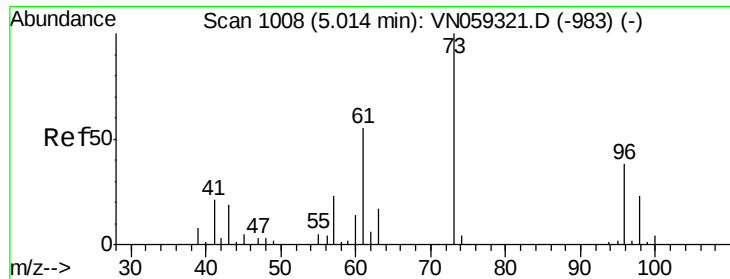
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#20
Methylene Chloride
Concen: 1.231 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion: 84 Resp: 5202
Ion Ratio Lower Upper
84 100
49 118.5 102.0 153.0
51 40.9 32.2 48.2
86 63.4 50.7 76.1





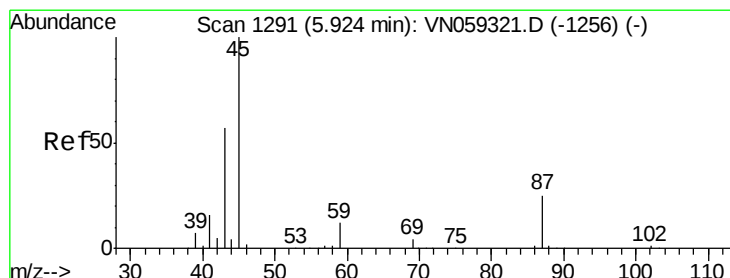
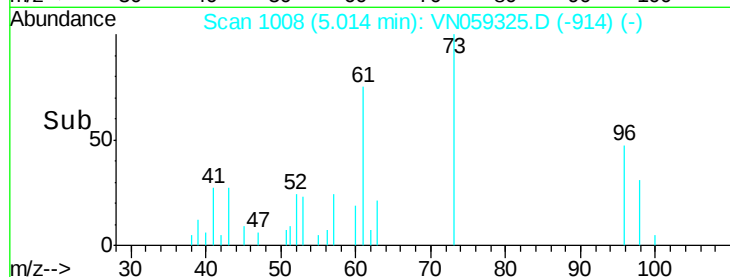
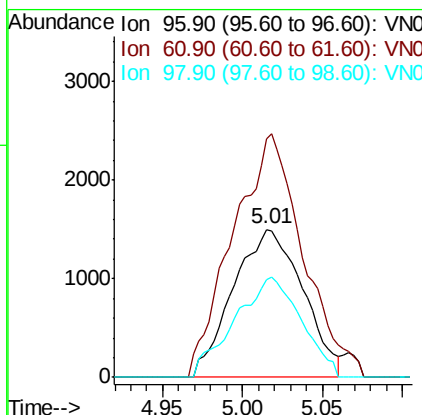
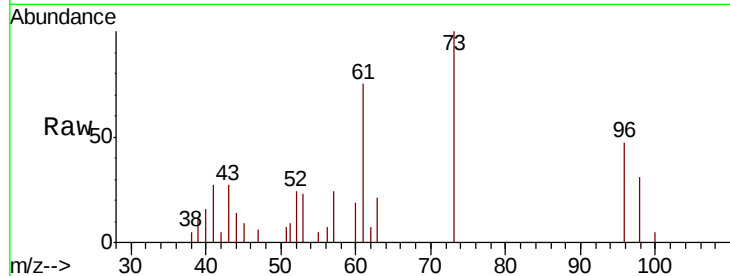
#21
trans-1,2-Dichloroethene
Concen: 1.184 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.5	122.6	183.8
98	66.2	50.3	75.5

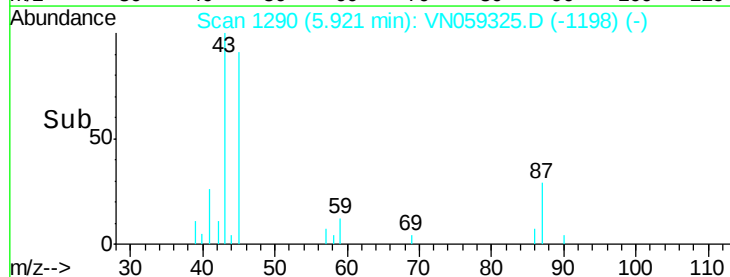
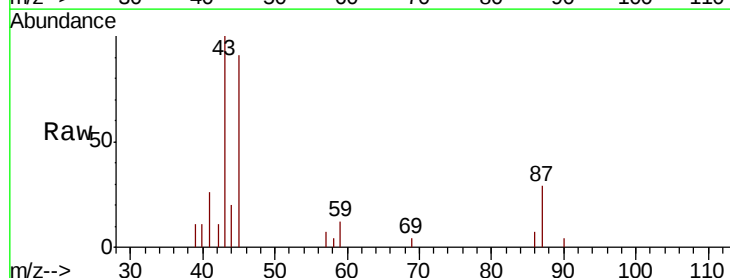
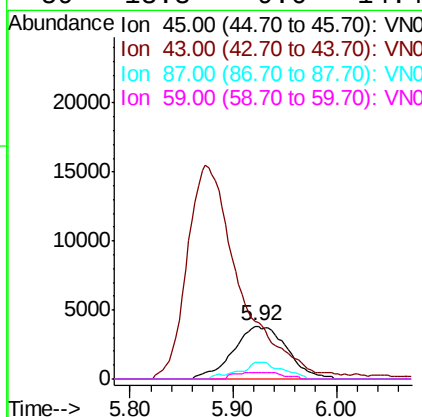
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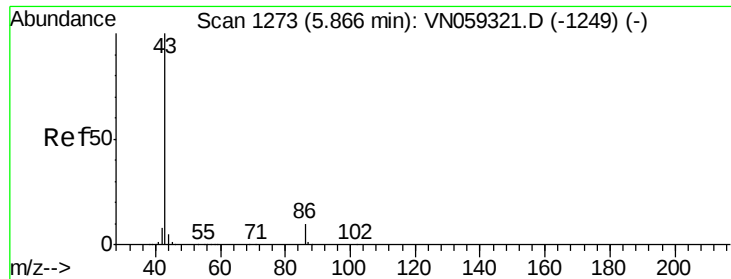
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#22
Diisopropyl ether
Concen: 1.007 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	101.2	46.7	70.1#
87	31.5	20.5	30.7#
59	13.3	9.6	14.4





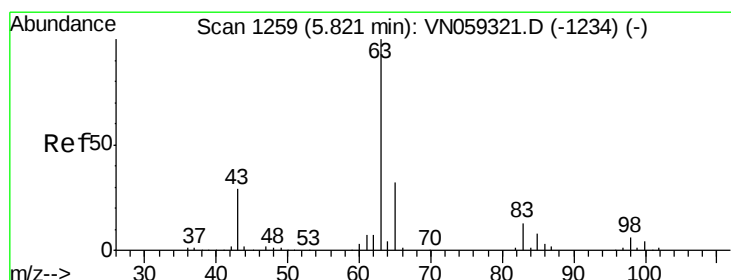
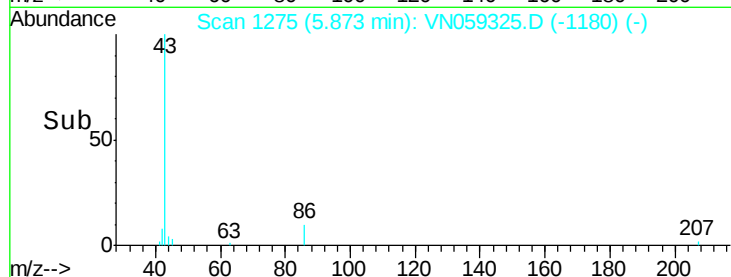
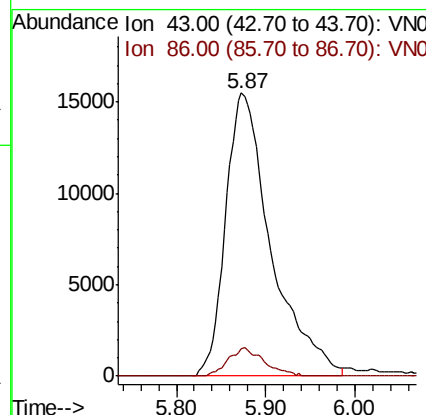
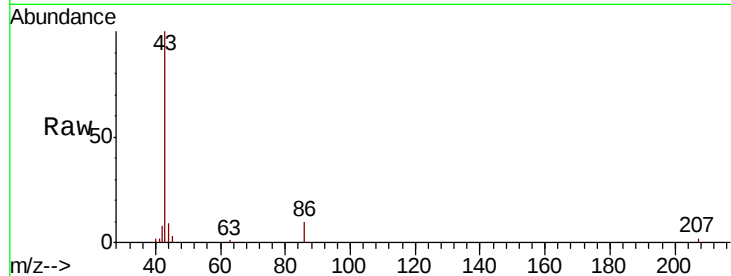
#23
 Vinyl Acetate
 Concen: 5.143 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.01 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43.00	Resp	54762
Ion Ratio	100	Lower	Upper
43	100		
86	9.7	7.7	11.5

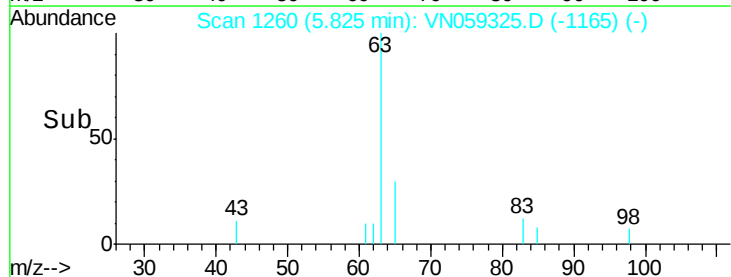
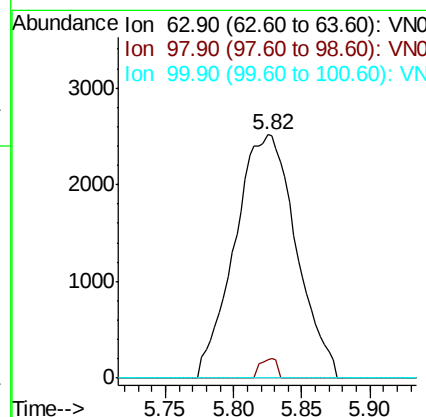
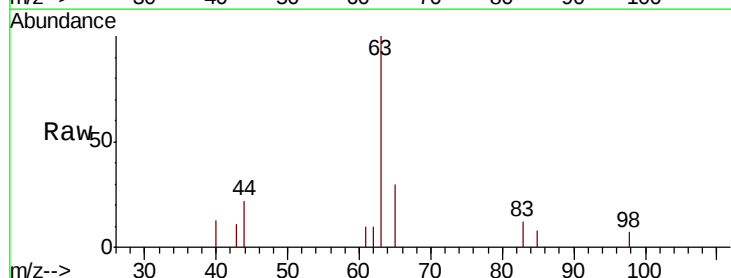
Manual Integrations
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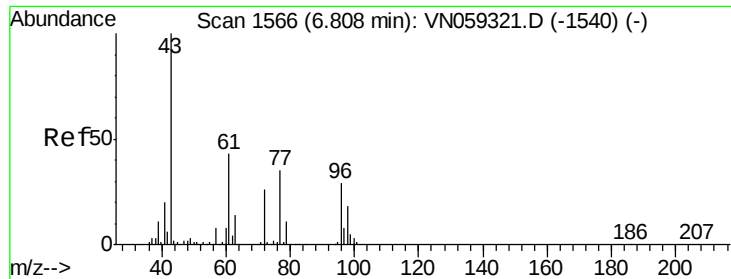
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#24
 1,1-Dichloroethane
 Concen: 1.023 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.01 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Tgt Ion	63.00	Resp	7852
Ion Ratio	100	Lower	Upper
63	100		
98	7.4	2.8	8.4
100	0.0	1.9	5.7#





#25

2-Butanone

Concen: 4.683 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 14976

Ion Ratio Lower Upper

43 100

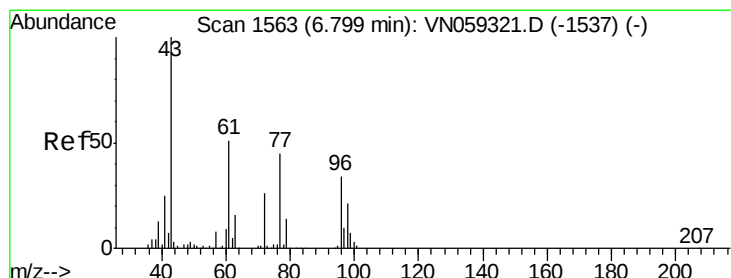
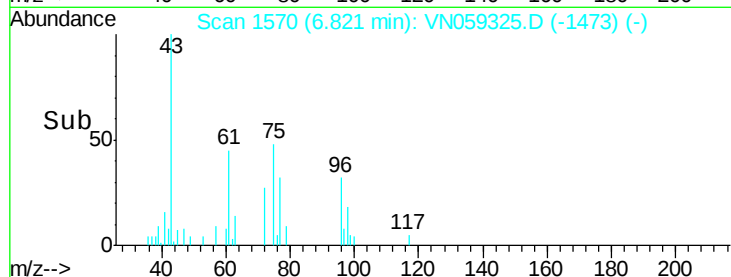
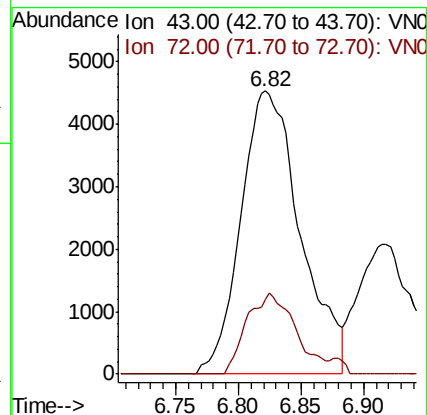
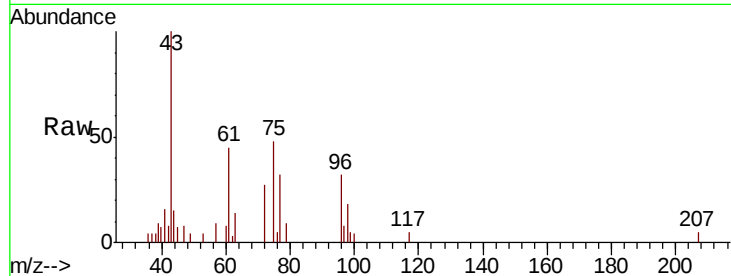
72 26.6 20.3 30.5

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#26

2,2-Dichloropropane

Concen: 1.118 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059325.D

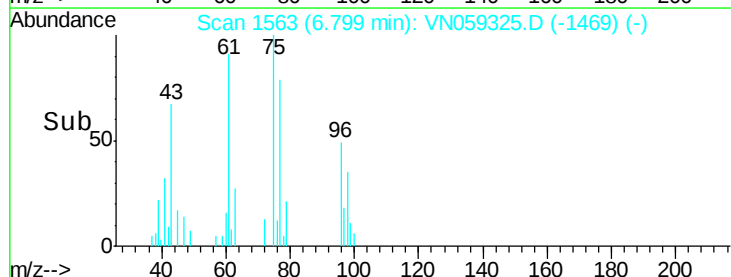
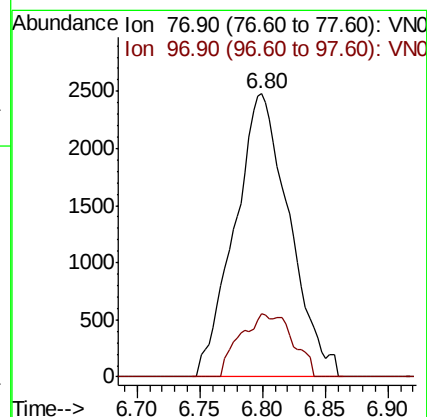
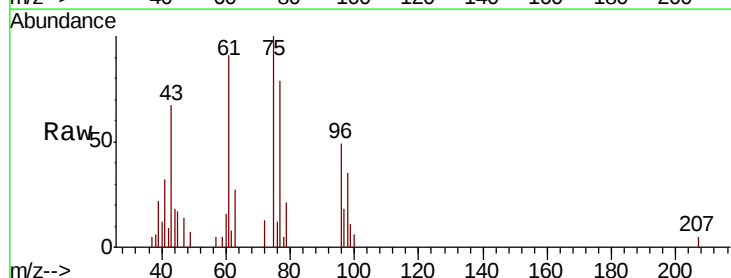
Acq: 20 Nov 2019 13:57

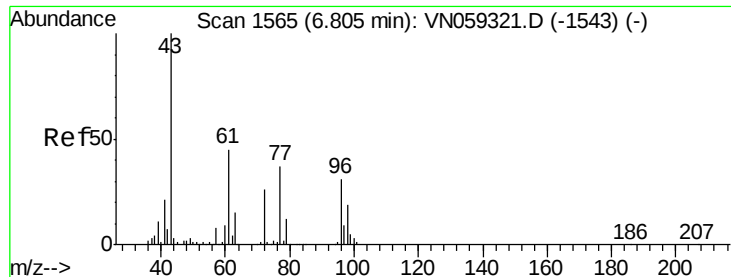
Tgt Ion: 77 Resp: 7501

Ion Ratio Lower Upper

77 100

97 13.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 1.178 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

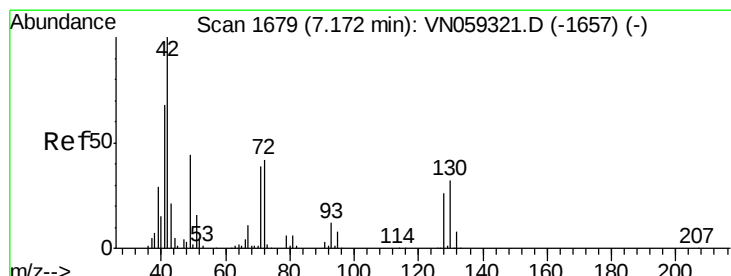
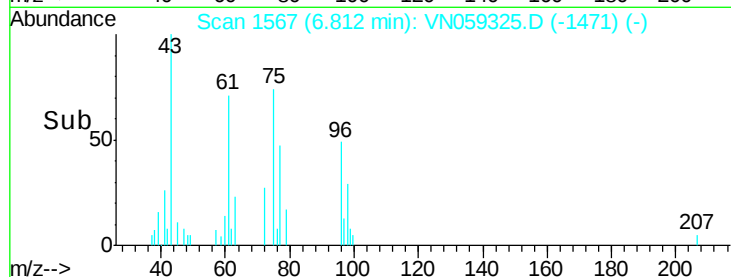
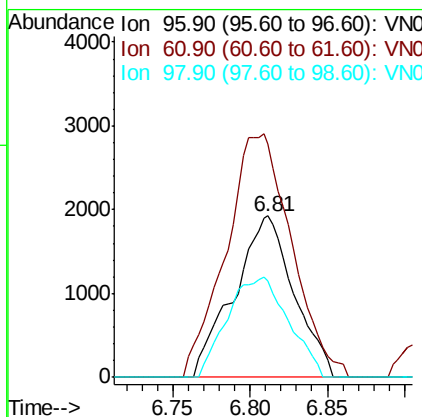
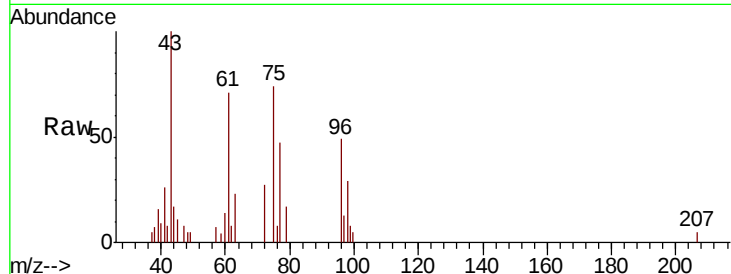
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5196
Ion	Ratio	Lower	Upper
96	100		
61	164.6	0.0	311.6
98	63.1	0.0	129.8

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#28

Bromochloromethane

Concen: 0.838 ug/l m

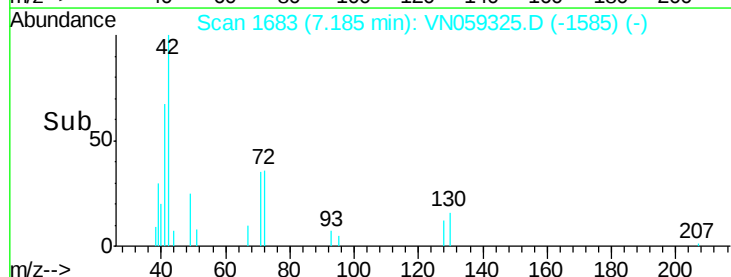
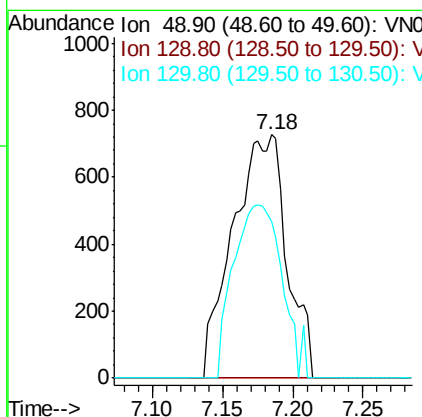
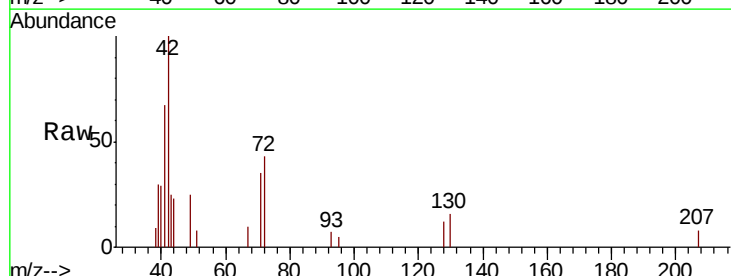
RT: 7.18 min Scan# 1683

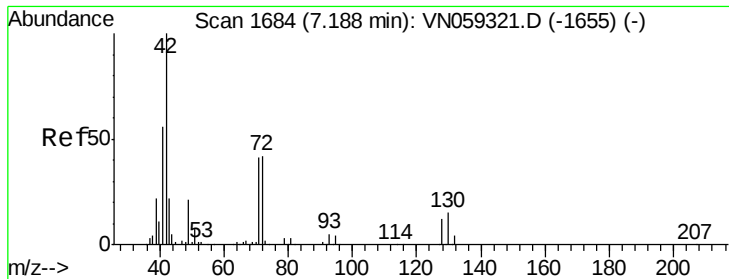
Delta R.T. 0.02 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	49	Resp:	1935
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	64.5	55.6	83.4





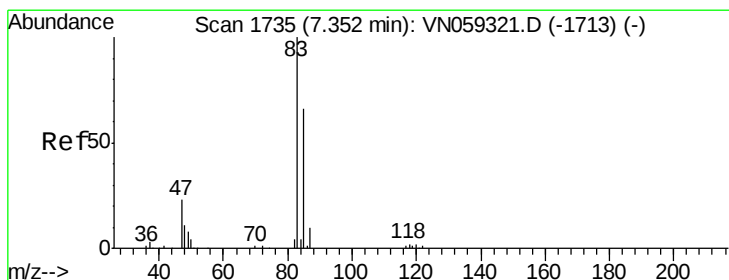
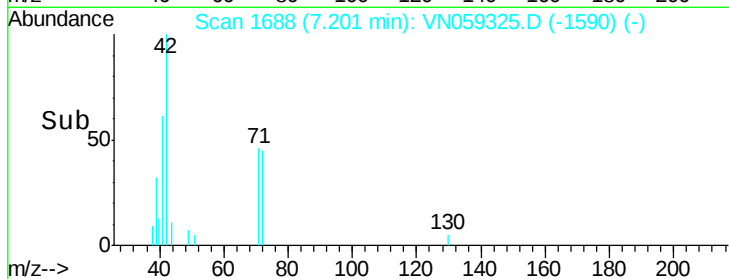
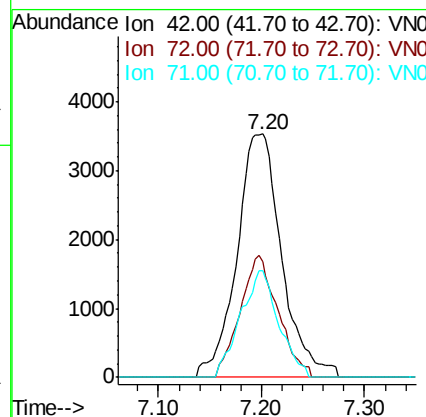
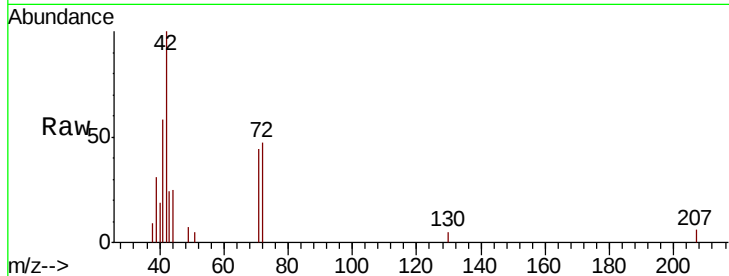
#29
Tetrahydrofuran
Concen: 5.261 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.02 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.1	49.7
71	37.1	30.9	46.3

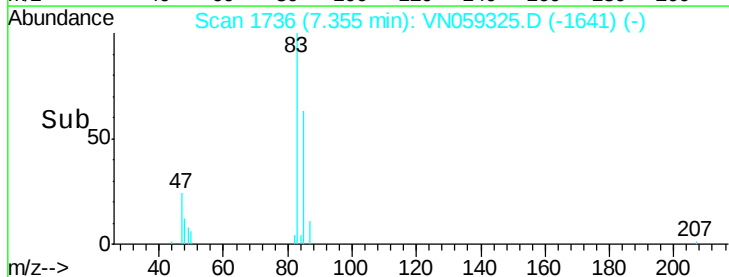
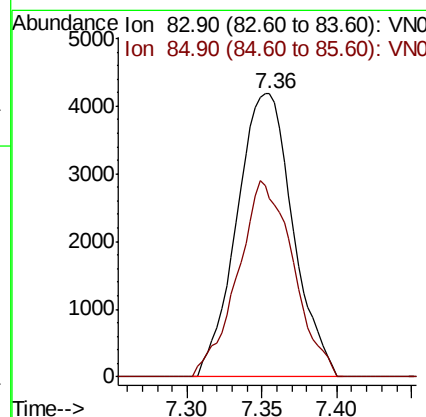
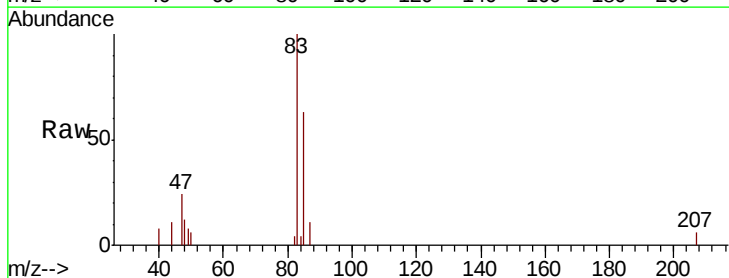
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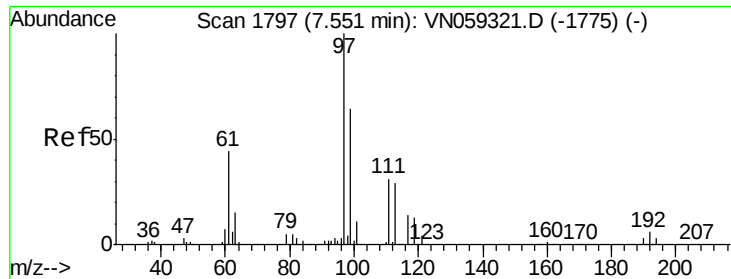
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#30
Chloroform
Concen: 1.485 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.8





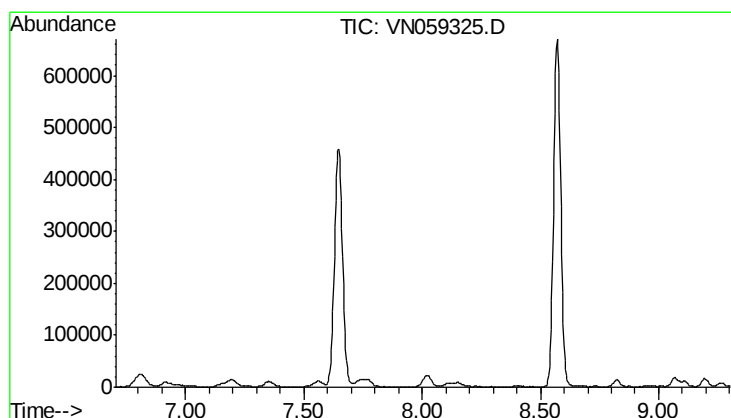
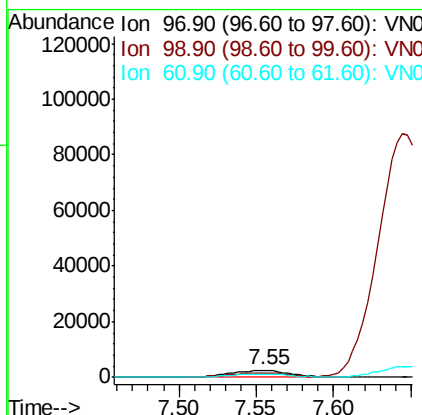
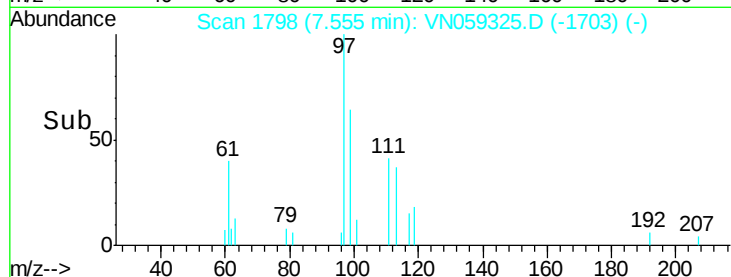
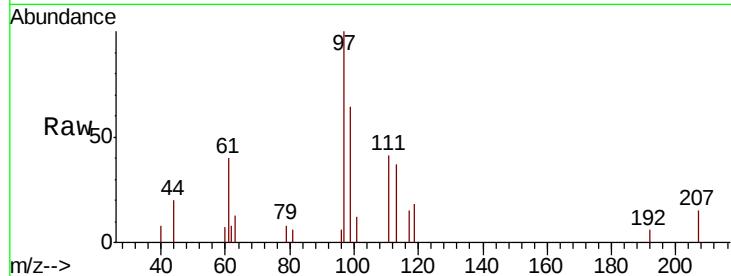
#32
 1,1,1-Trichloroethane
 Concen: 1.092 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	51.0	76.6#	
61	45.8	35.8	53.8	

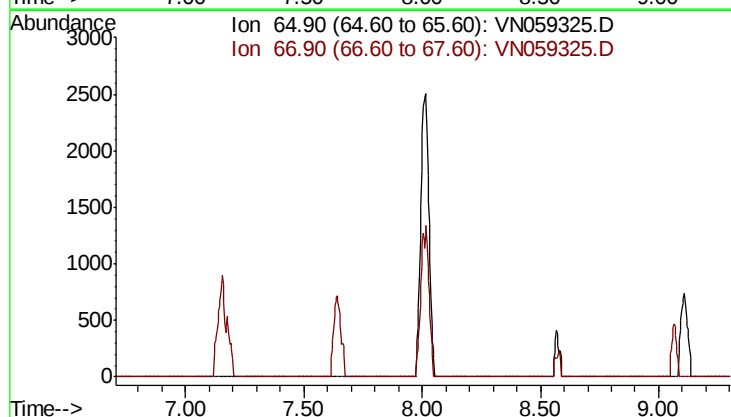
Manual Integrations
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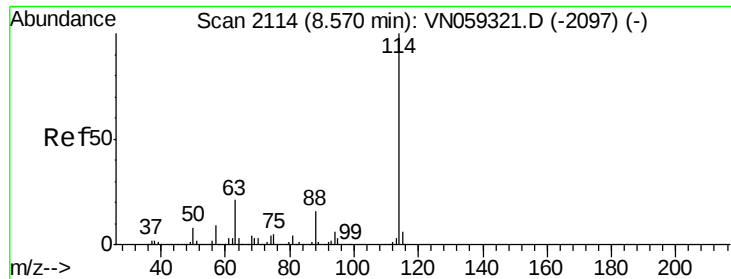
MMDadoda
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#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Tgt Ion	Sig	Exp Ratio
65	100	
67	53.7	





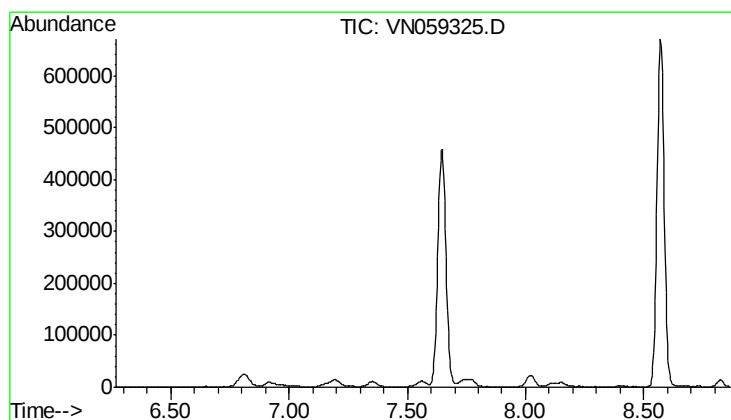
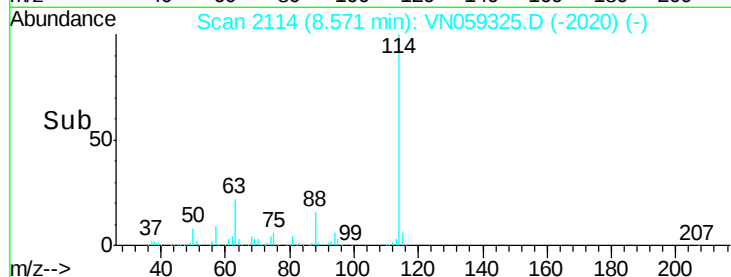
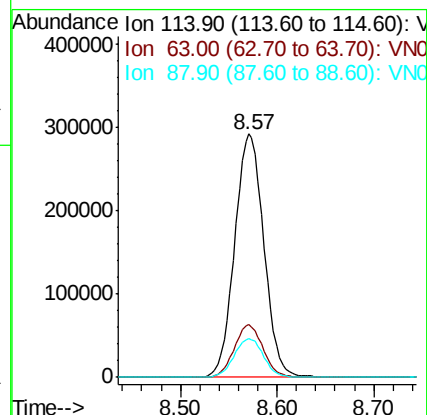
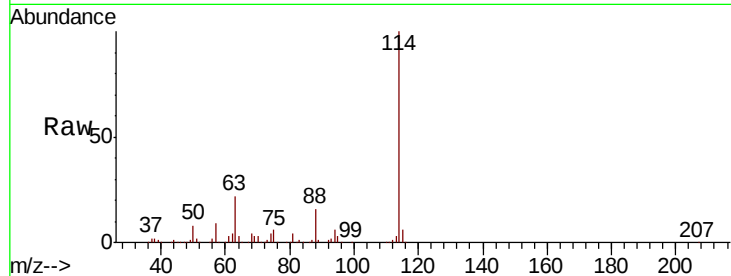
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp Lower	Upper
114	100			
63	21.6	0.0	43.4	
88	15.7	0.0	32.2	

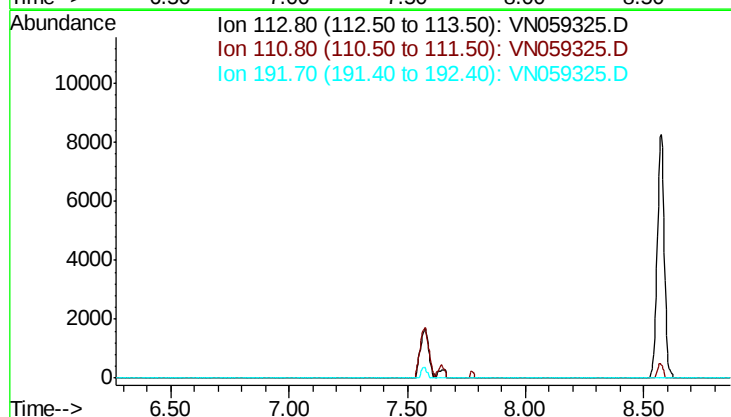
Manual Integrations
APPROVED

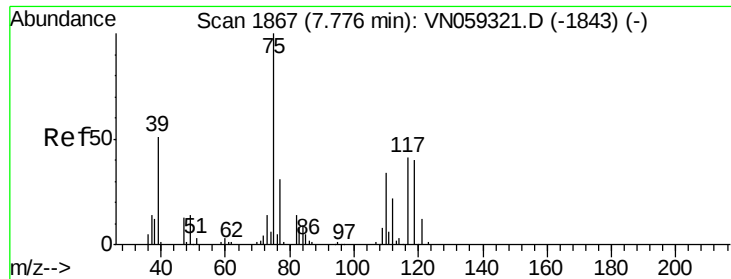
MMDadoda
11/21/2019 11:08:08 AM



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.57 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Sig	Exp Ratio
113	100	
111	103.5	
192	20.1	





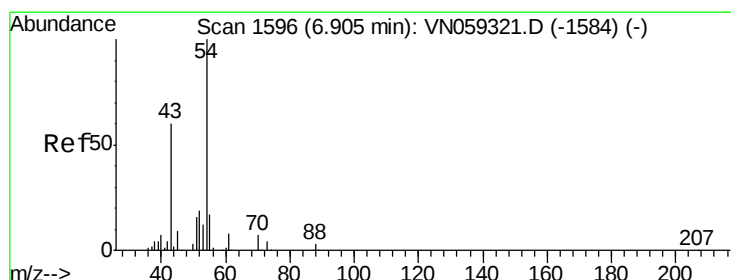
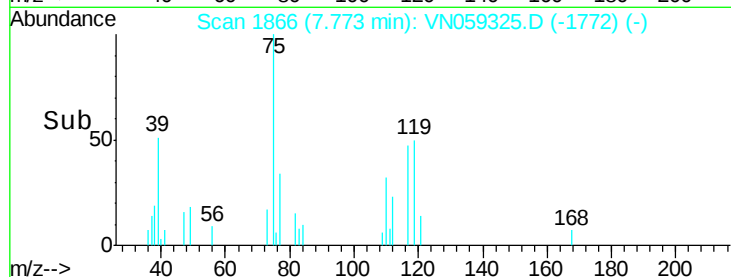
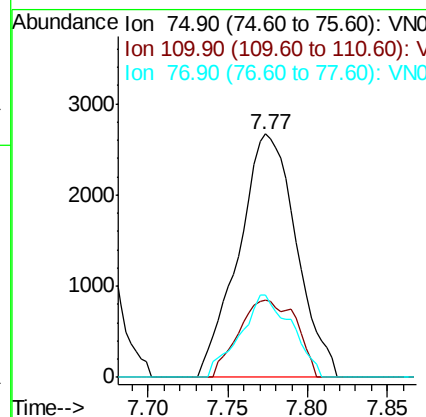
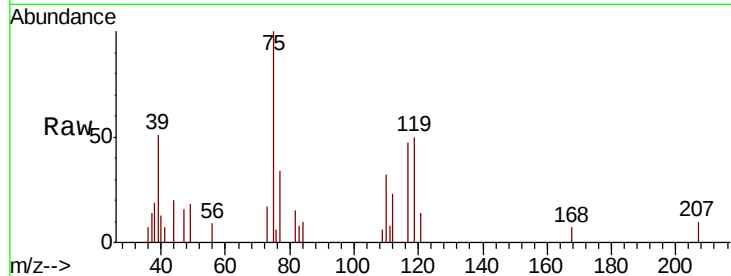
#36
 1,1-Dichloropropene
 Concen: 1.155 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.5	17.1	51.2
77	30.3	24.8	37.2

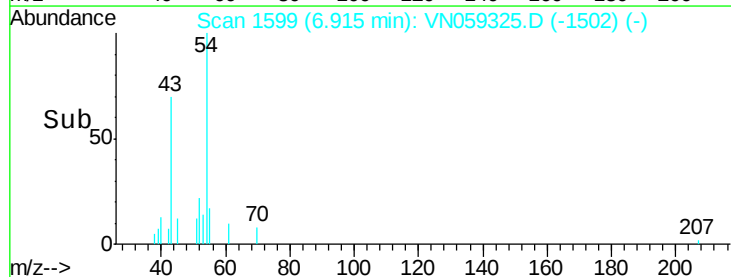
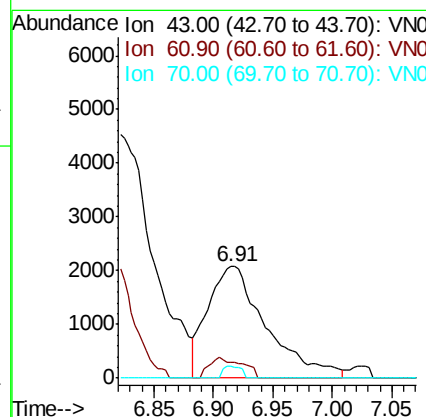
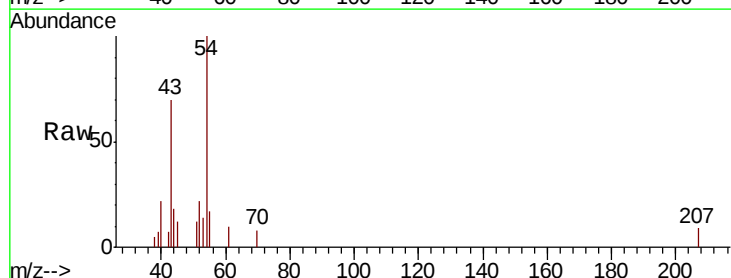
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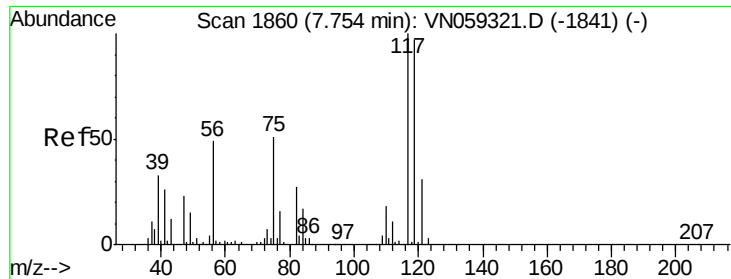
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#37
 Ethyl Acetate
 Concen: 1.119 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.4	11.2	16.8#
70	3.3	7.8	11.8#





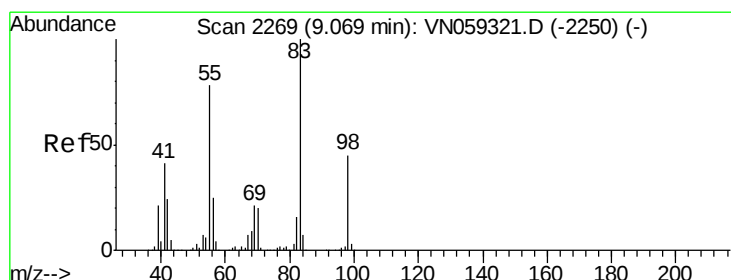
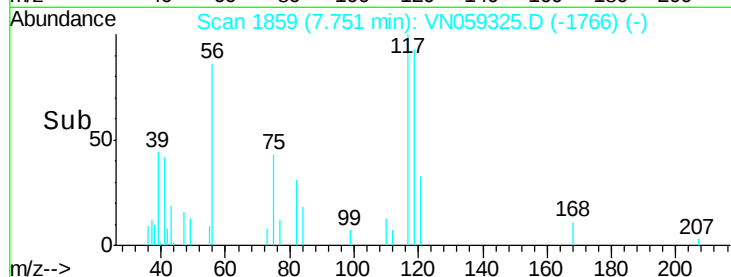
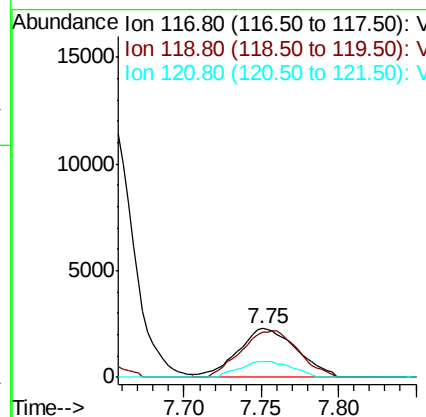
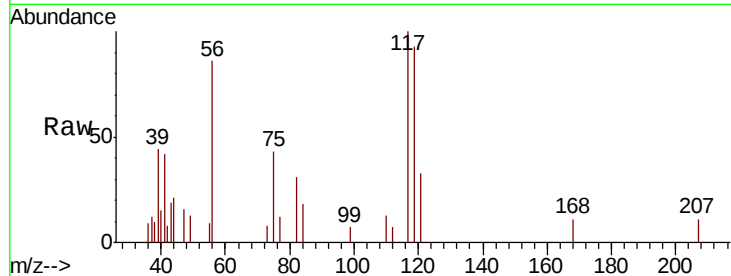
#38
Carbon Tetrachloride
Concen: 1.076 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.6	113.4
121	33.0	24.6	36.8

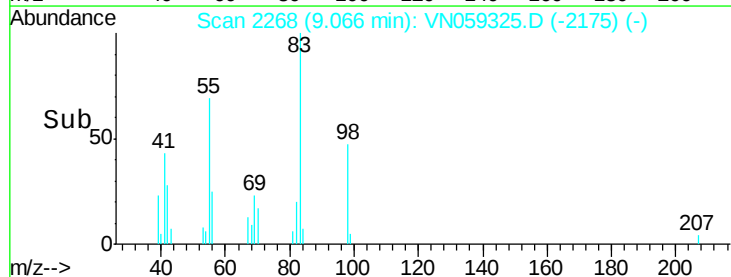
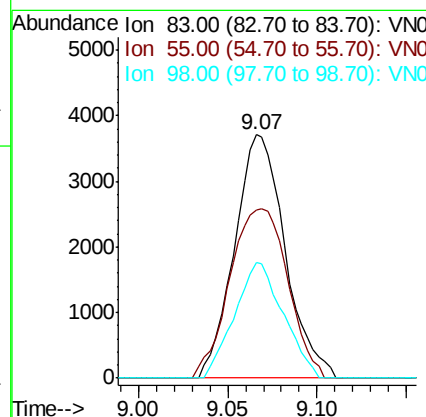
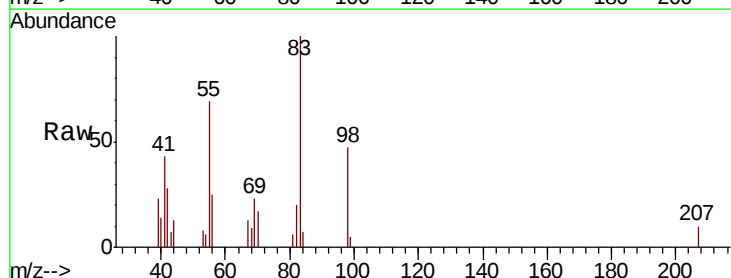
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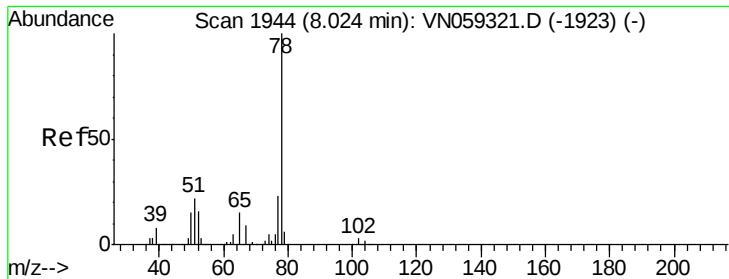
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#39
Methylcyclohexane
Concen: 1.102 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.1	63.9	95.9
98	47.4	35.6	53.4





#40

Benzene

Concen: 1.086 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 18675

Ion Ratio Lower Upper

78 100

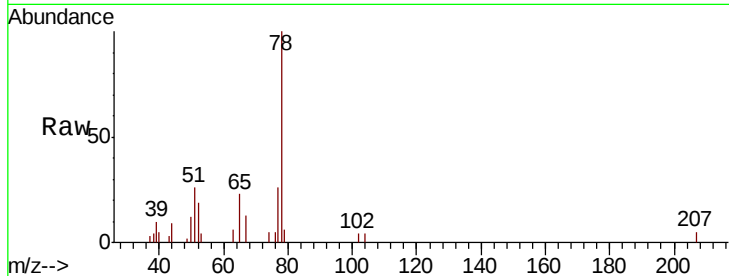
77 26.1 18.8 28.2

Manual Integrations

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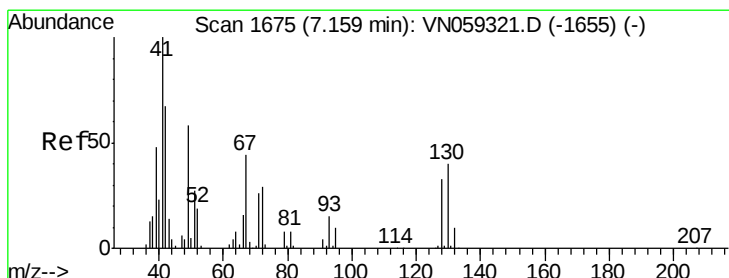
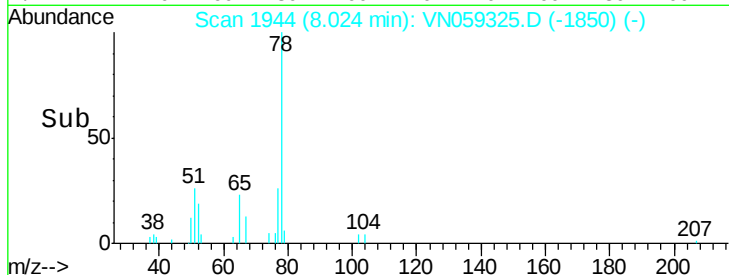
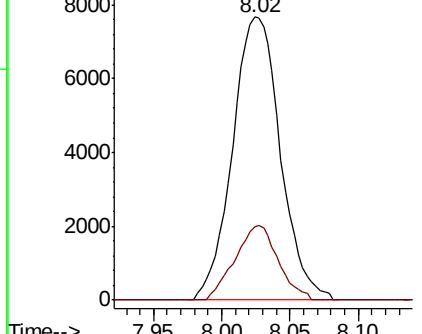
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Abundance Ion 78.00 (77.70 to 78.70): VN059321.D (-1923) (-)

Ion 77.00 (76.70 to 77.70): VN059321.D (-1923) (-)



#41

Methacrylonitrile

Concen: 0.928 ug/l m

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion: 41 Resp: 2565

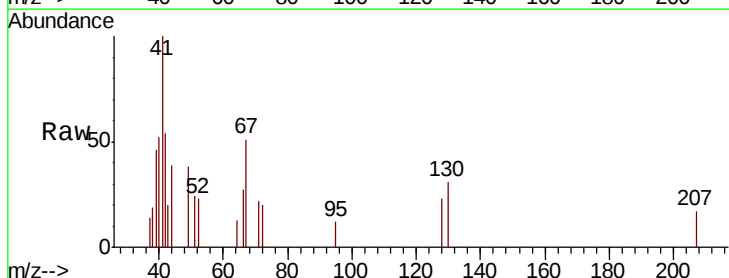
Ion Ratio Lower Upper

41 100

39 49.2 0.0 0.0#

67 66.5 0.0 0.0#

52 20.7 0.0 0.0#

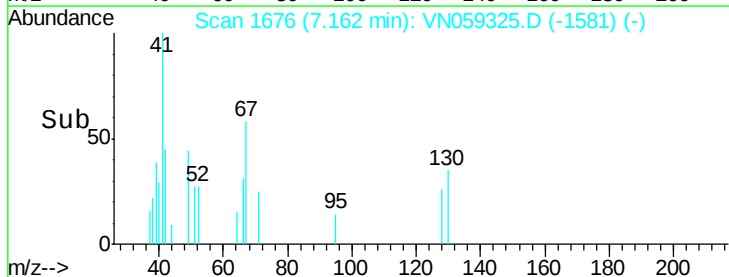
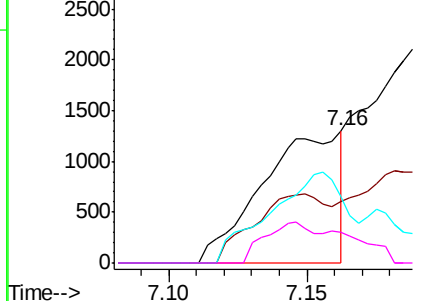


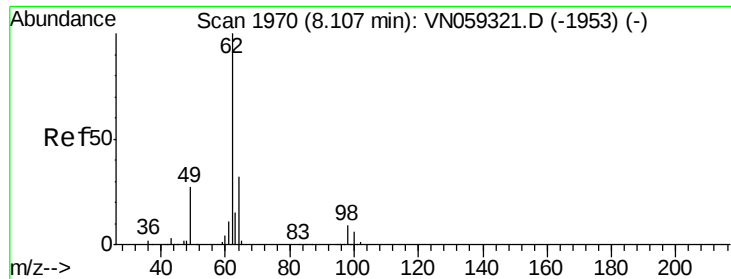
Abundance Ion 41.00 (40.70 to 41.70): VN059321.D (-1655) (-)

Ion 39.00 (38.70 to 39.70): VN059321.D (-1655) (-)

Ion 67.00 (66.70 to 67.70): VN059321.D (-1655) (-)

Ion 52.00 (51.70 to 52.70): VN059321.D (-1655) (-)





#42

1,2-Dichloroethane

Concen: 1.049 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 6189

Ion Ratio Lower Upper

62 100

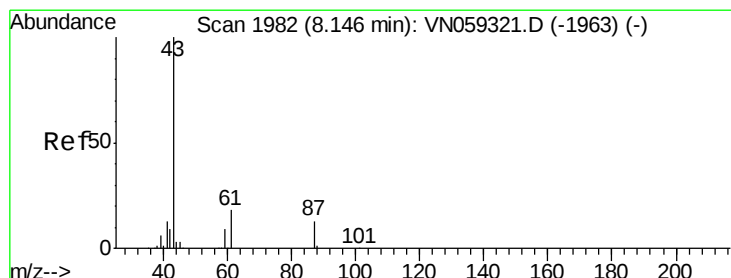
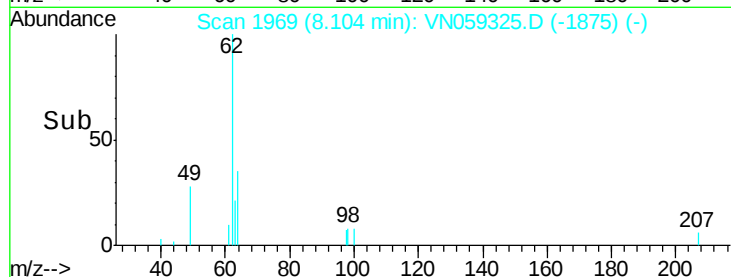
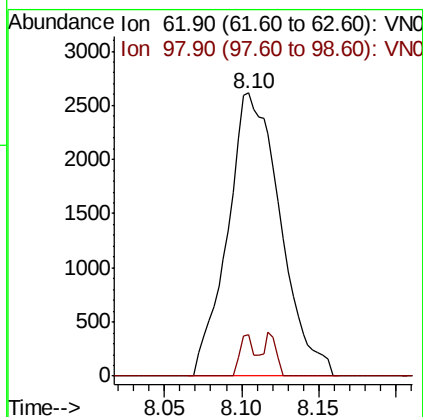
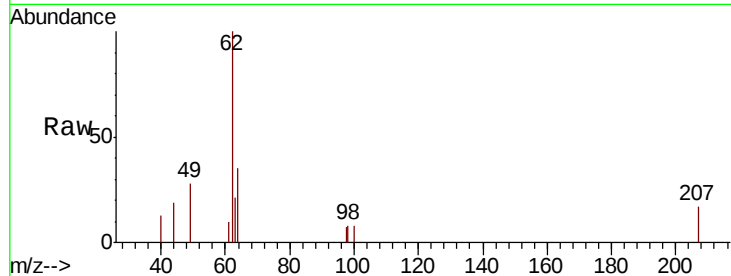
98 4.1 0.0 17.8

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#43

Isopropyl Acetate

Concen: 0.934 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

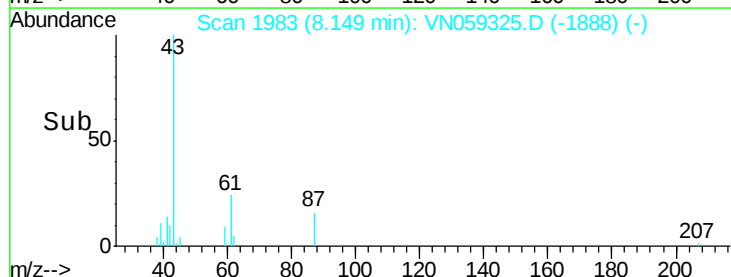
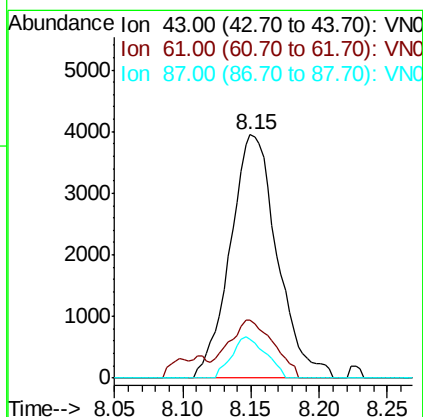
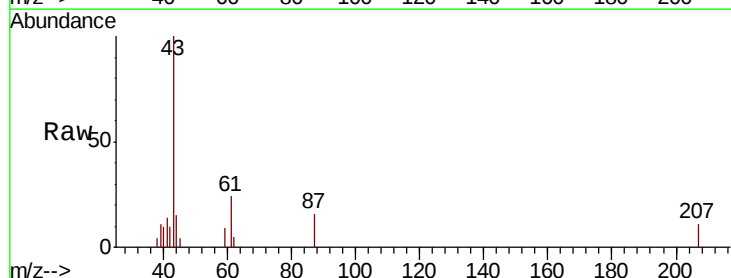
Tgt Ion: 43 Resp: 9457

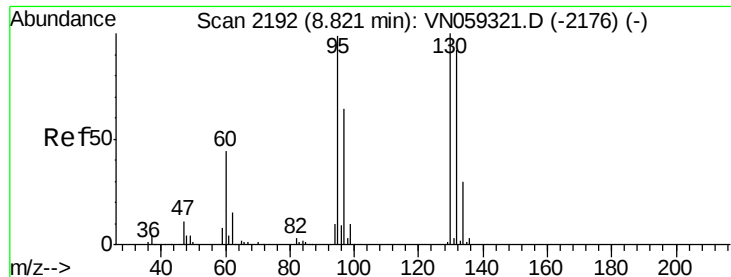
Ion Ratio Lower Upper

43 100

61 22.9 21.0 31.6

87 12.3 9.8 14.6





#44

Trichloroethene

Concen: 1.174 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 4961

Ion Ratio Lower Upper

130 100

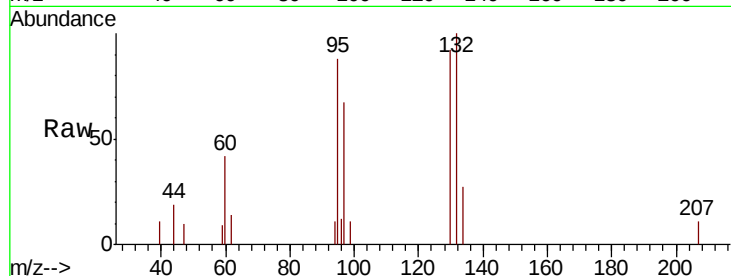
95 95.8 0.0 206.4

Manual Integrations

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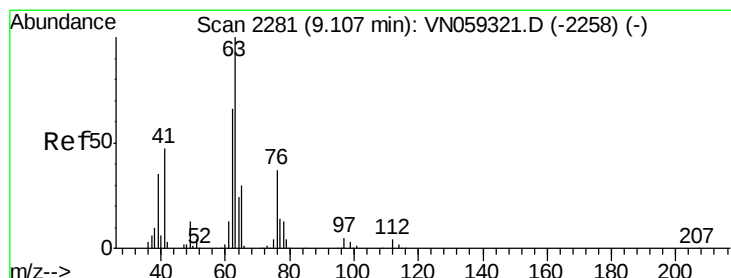
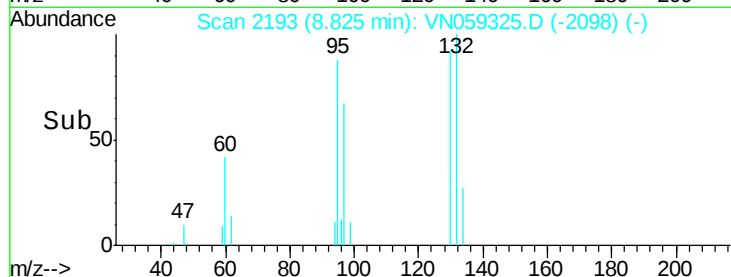
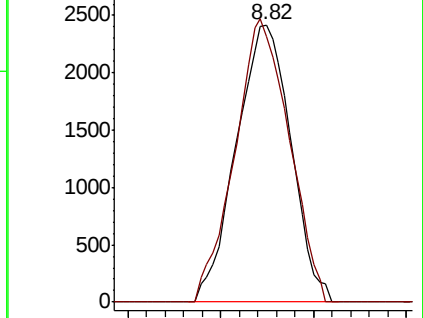
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 1.060 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VN059325.D

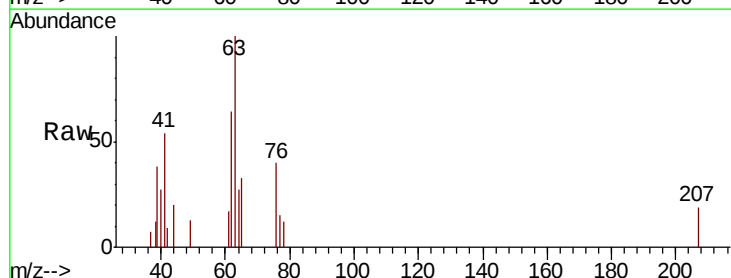
Acq: 20 Nov 2019 13:57

Tgt Ion: 63 Resp: 4951

Ion Ratio Lower Upper

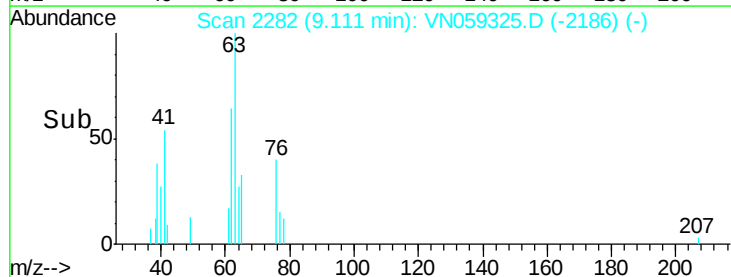
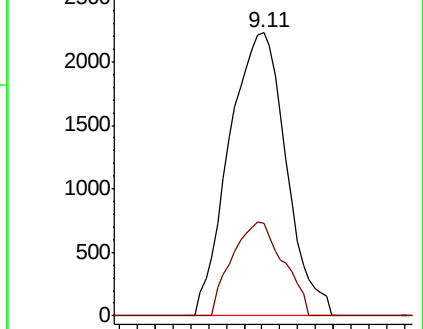
63 100

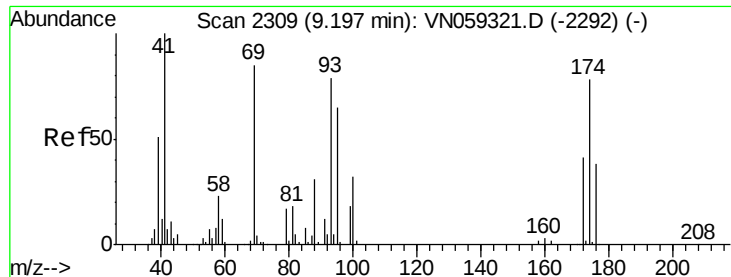
65 32.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





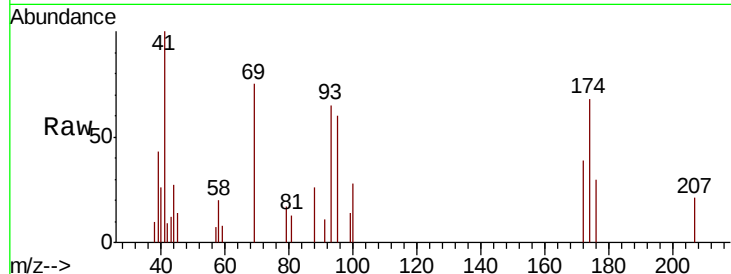
#46
Dibromomethane
Concen: 0.997 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	98.6	66.6	100.0
174	112.8	78.2	117.2

Manual Integrations
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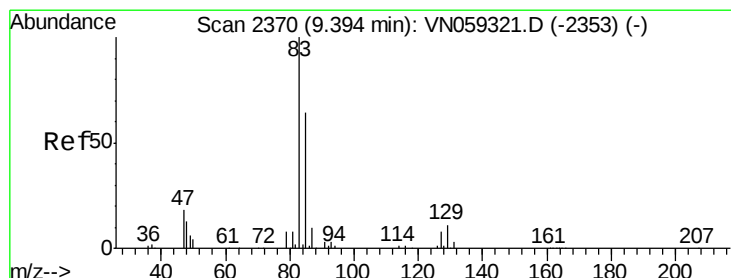
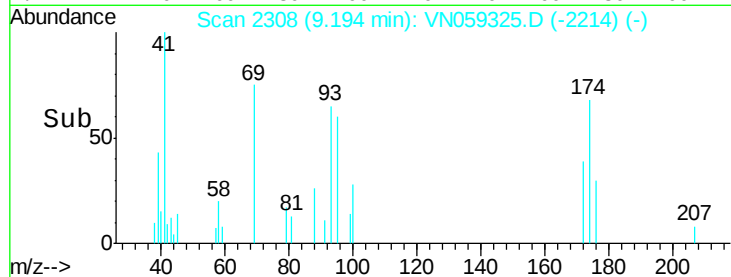
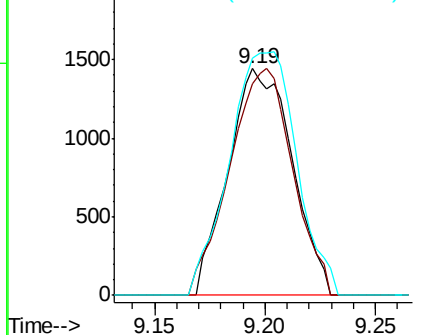


Abundance

Ion 92.80 (92.50 to 93.50): VN059325.D (-2214) (-)

Ion 94.80 (94.50 to 95.50): VN059325.D (-2214) (-)

Ion 173.70 (173.40 to 174.40): VN059325.D (-2214) (-)



#47
Bromodichloromethane
Concen: 0.996 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

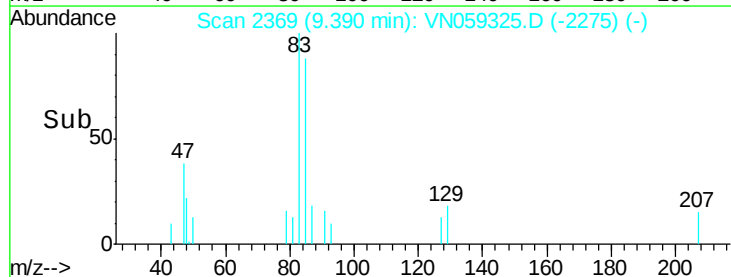
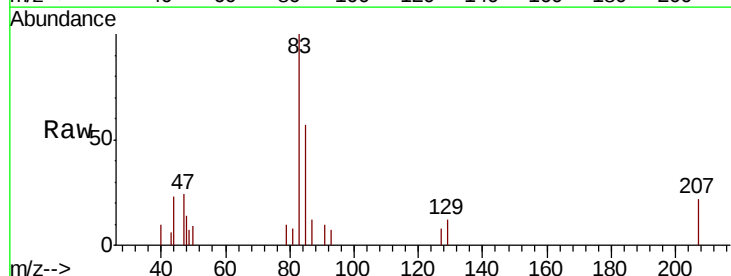
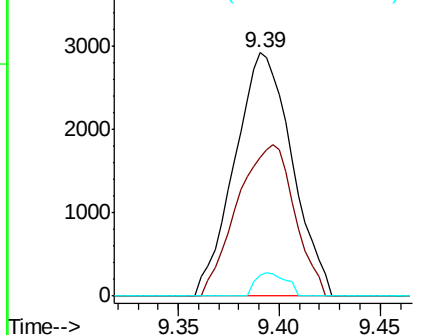
Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	49.7	74.5
127	8.4	6.4	9.6

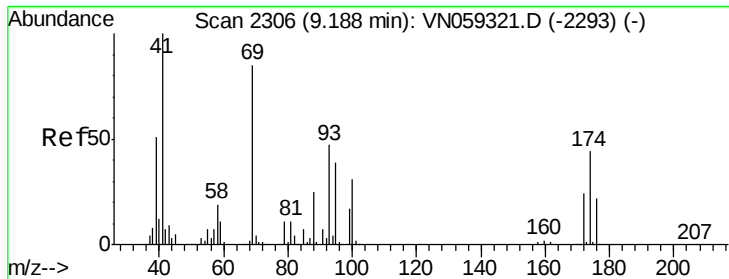
Abundance

Ion 82.90 (82.60 to 83.60): VN059325.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059325.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059325.D (-2275) (-)





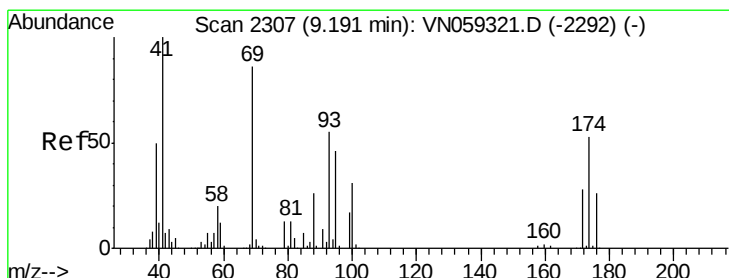
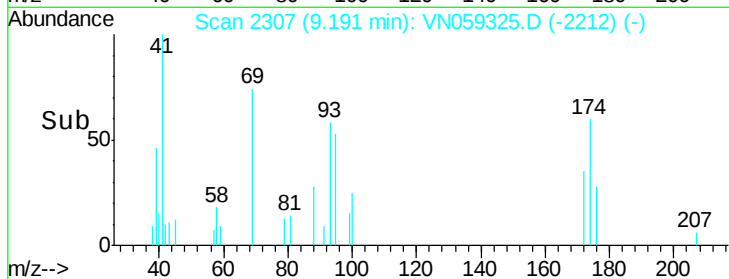
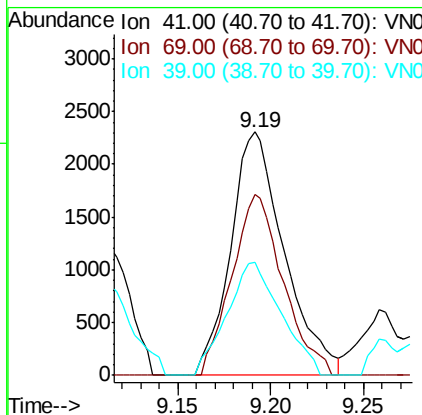
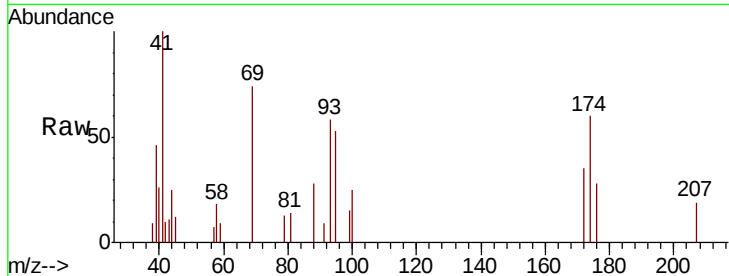
#48
Methvl methacrylate
Concen: 1.025 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	70.9	67.3	100.9
39	46.9	43.3	64.9

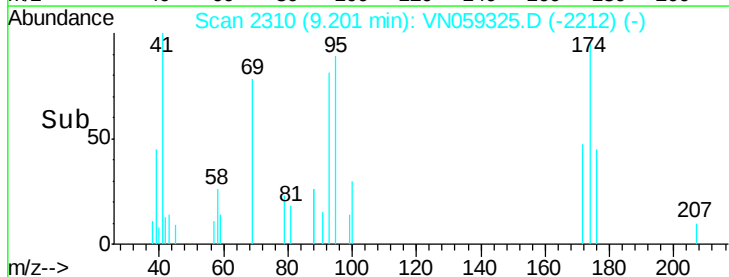
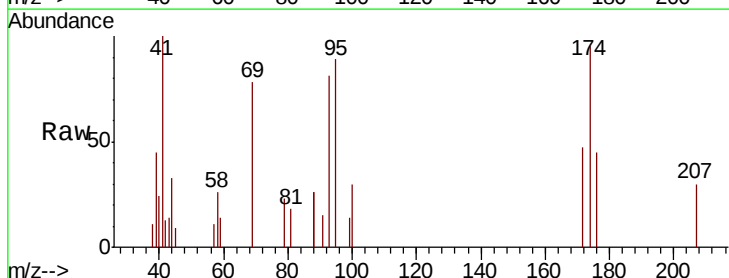
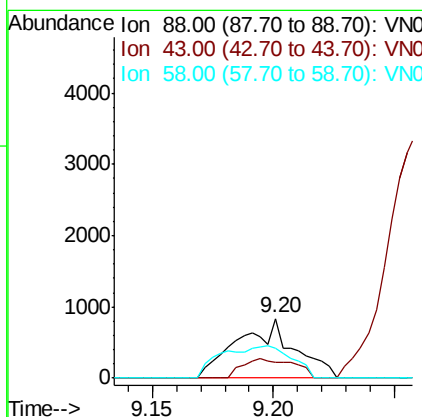
Manual Integrations
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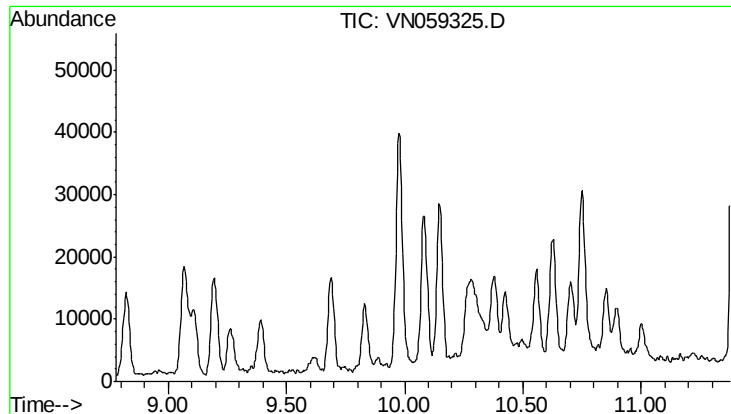
MMDadoda
11/21/2019 11:08:08 AM



#49
1,4-Dioxane
Concen: 16.880 ug/l m
RT: 9.20 min Scan# 2310
Delta R.T. 0.02 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	29.8	26.3	39.5
58	67.4	60.6	90.8





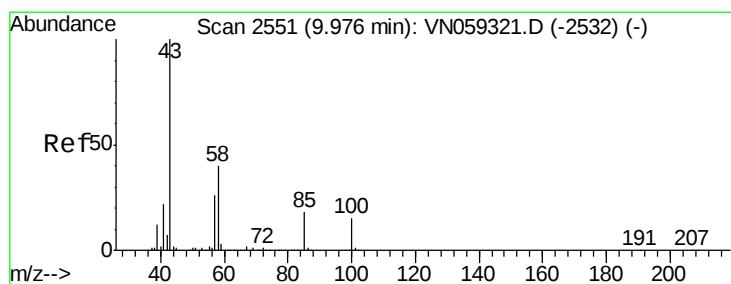
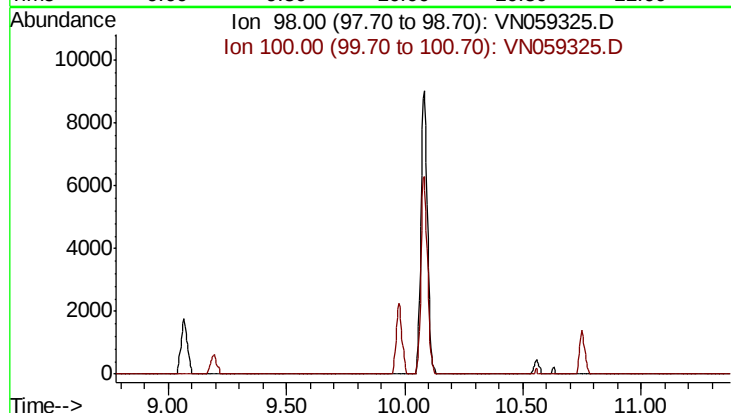
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 65.2

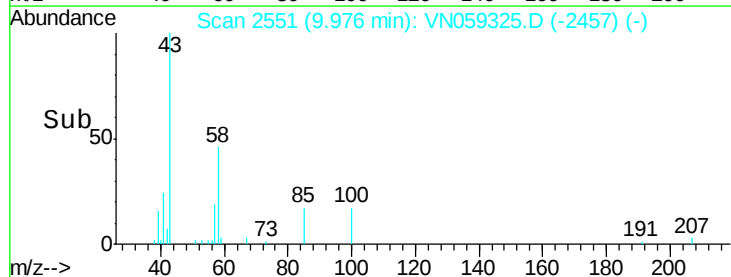
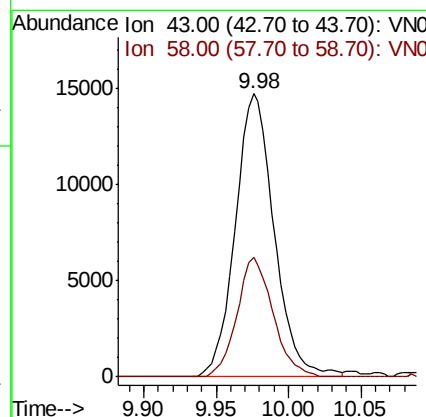
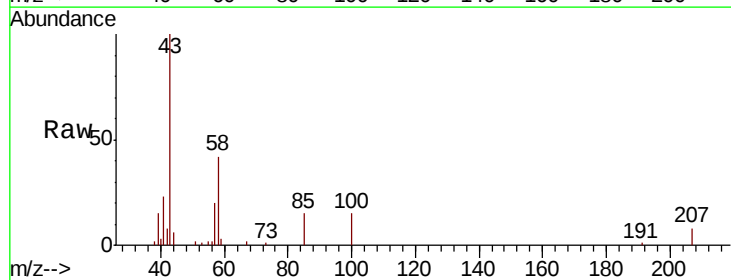
Manual Integrations
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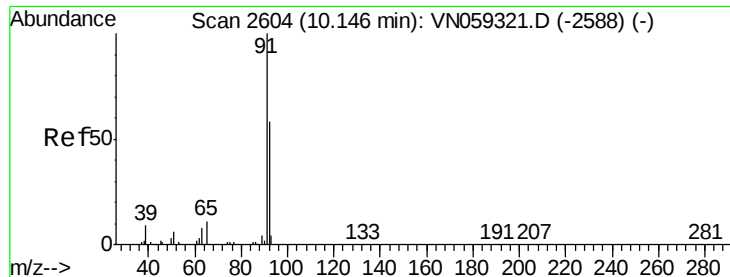
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 4.781 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion: 43 Resp: 27400
Ion Ratio Lower Upper
43 100
58 39.1 31.5 47.3





#52

Toluene

Concen: 1.039 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 10714

Ion Ratio Lower Upper

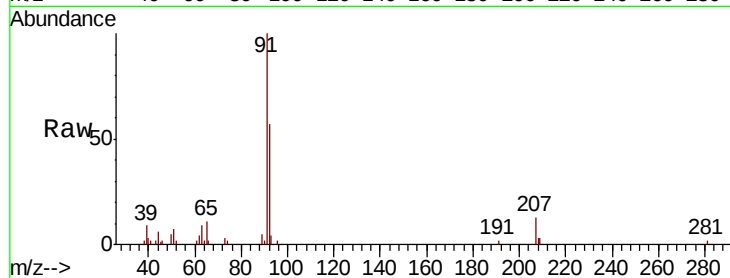
92 100

91 178.1 139.5 209.3

Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VN059325.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059325.D (-2510) (-)

12000

10000

8000

6000

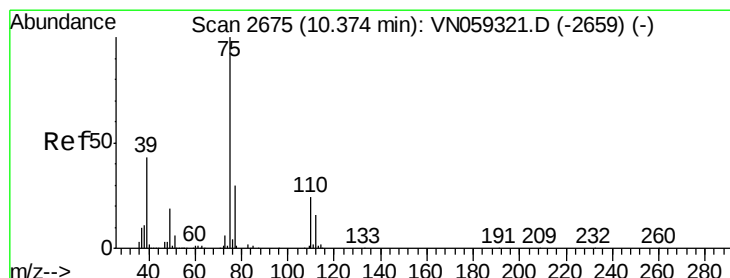
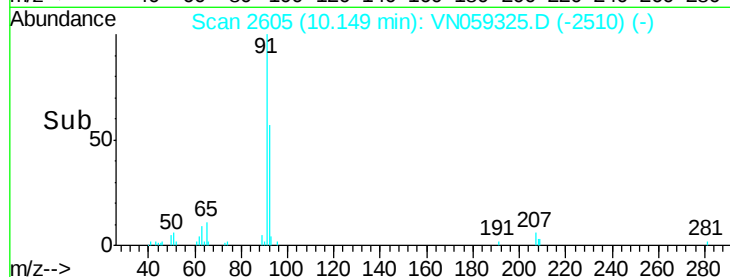
4000

2000

0

10.10 10.15 10.20

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.042 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059325.D

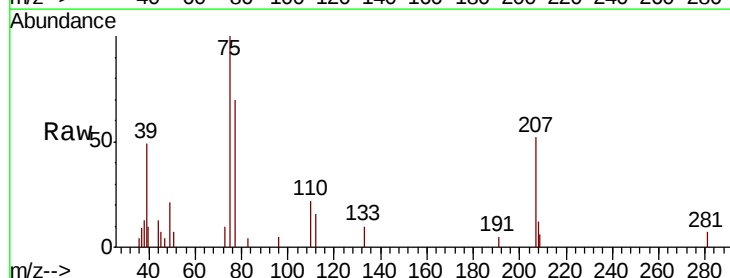
Acq: 20 Nov 2019 13:57

Tgt Ion: 75 Resp: 6994

Ion Ratio Lower Upper

75 100

77 43.9 25.3 37.9#



Abundance Ion 74.90 (74.60 to 75.60): VN059325.D (-2582) (-)

Ion 76.90 (76.60 to 77.60): VN059325.D (-2582) (-)

10000

8000

6000

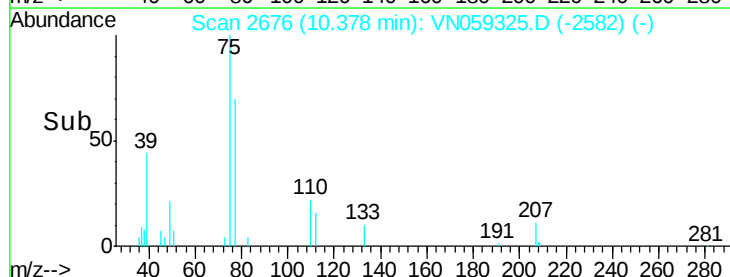
4000

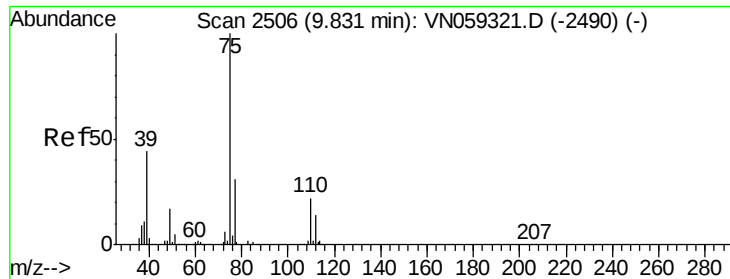
2000

0

10.30 10.35 10.40 10.45

Time-->





#54

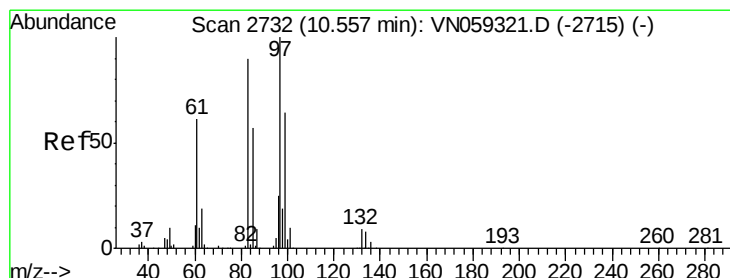
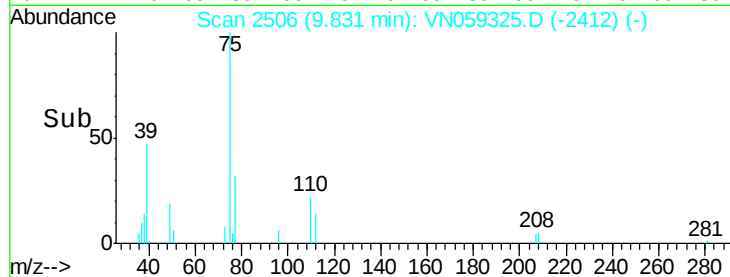
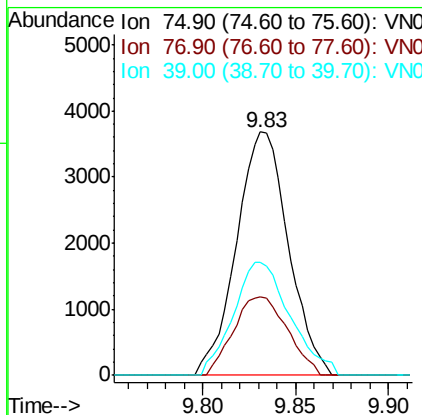
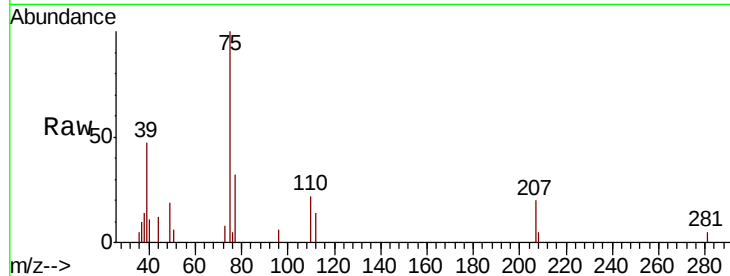
cis-1,3-Dichloropropene
Concen: 0.992 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.5	38.3
39	46.5	37.3	55.9

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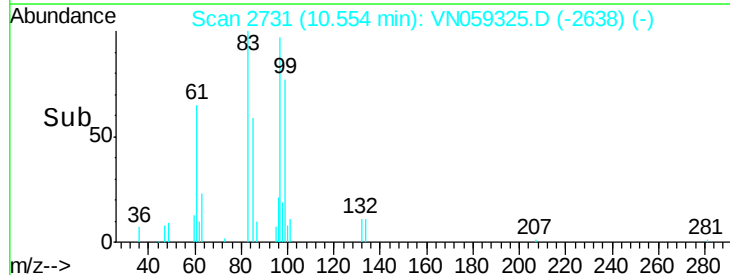
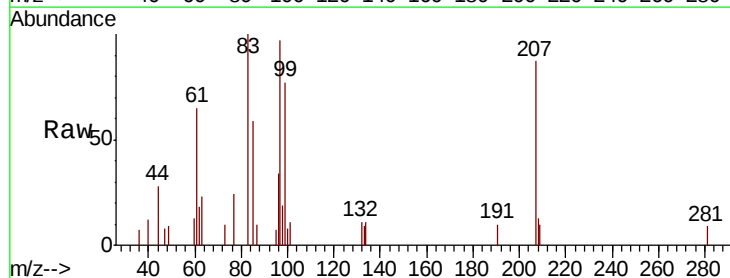
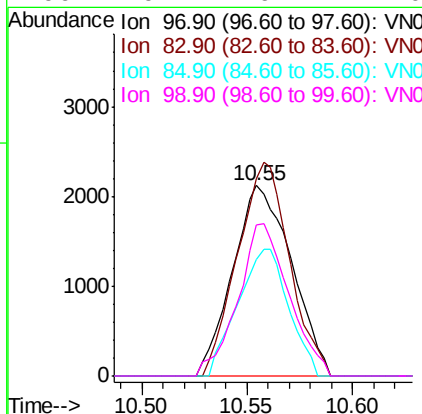
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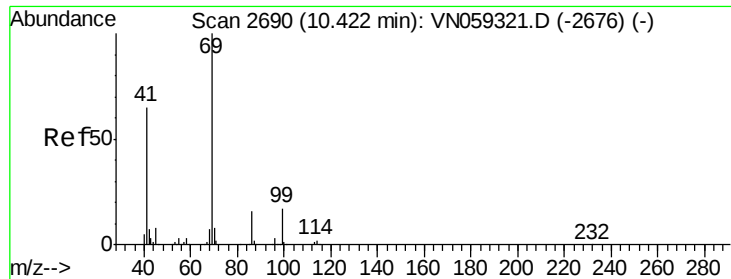


#55

1,1,2-Trichloroethane
Concen: 0.981 ug/l
RT: 10.55 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
83	103.5	71.0	106.4
85	61.1	45.8	68.8
99	79.4	49.4	74.0#





#56

Ethyl methacrylate

Concen: 0.795 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

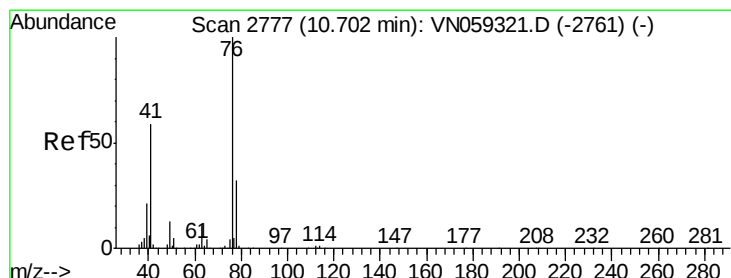
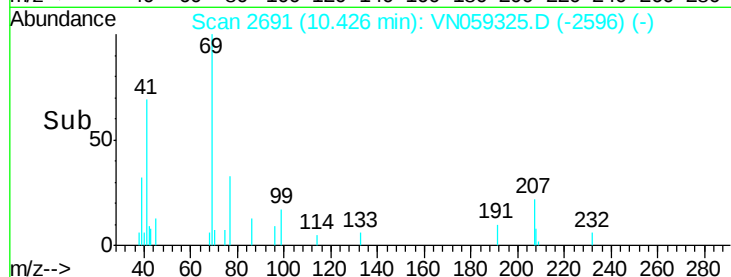
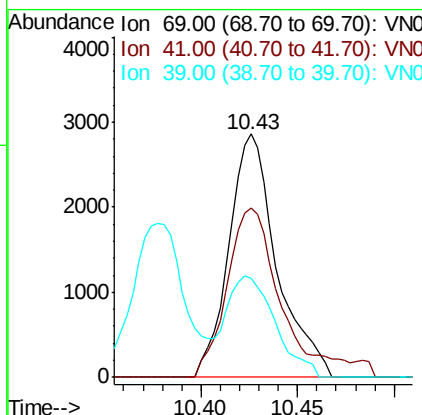
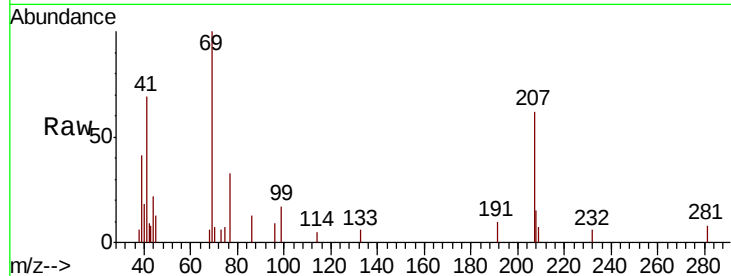
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	4922
Ion	Ratio	Lower	Upper
69	100		
41	77.8	53.6	80.4
39	44.3	26.2	39.4

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 1.023 ug/l

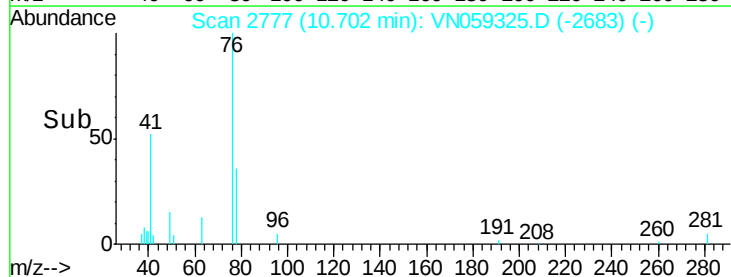
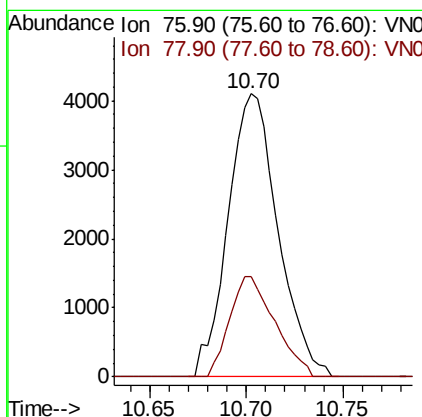
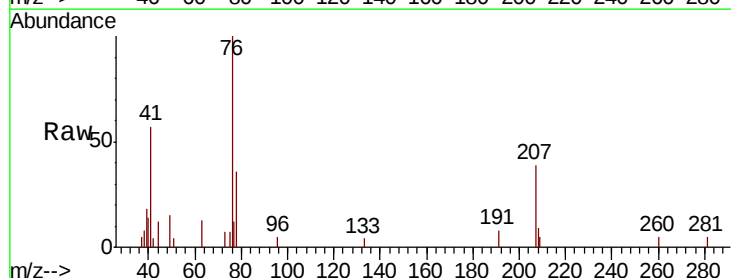
RT: 10.70 min Scan# 2777

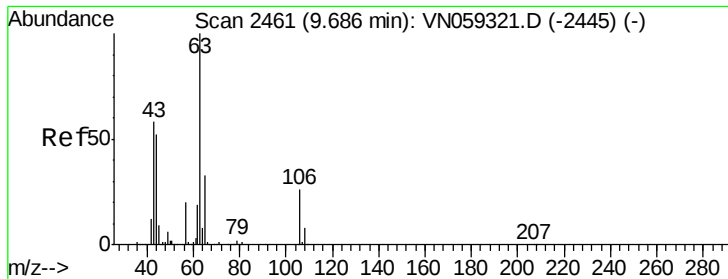
Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	76	Resp:	7344
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 3.070 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 7128

Ion Ratio Lower Upper

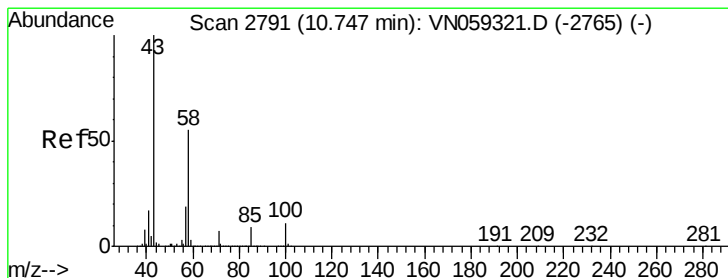
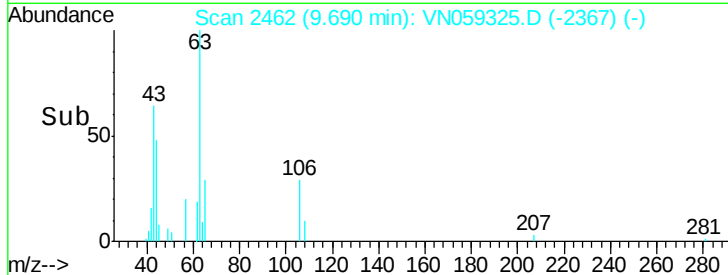
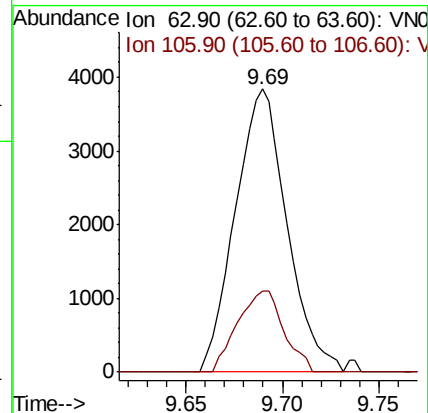
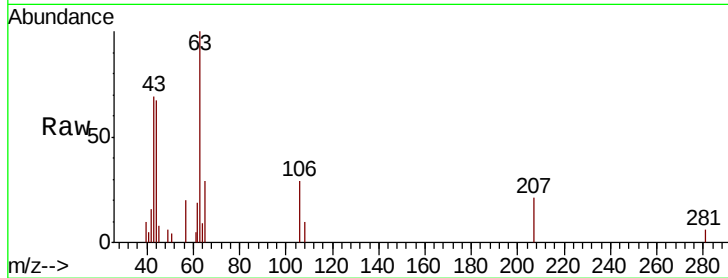
63 100

106 25.6 20.2 30.2

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#59

2-Hexanone

Concen: 4.338 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN059325.D

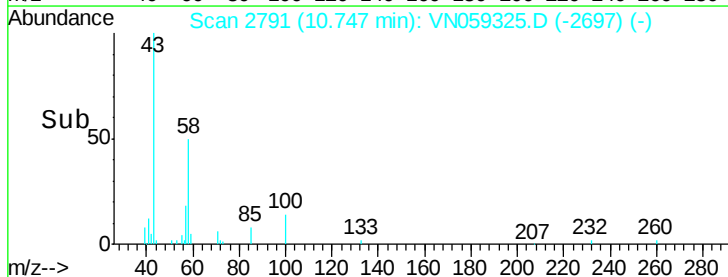
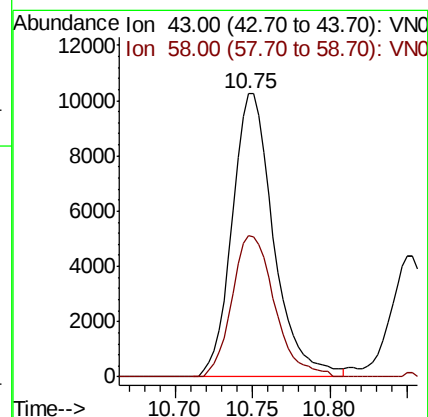
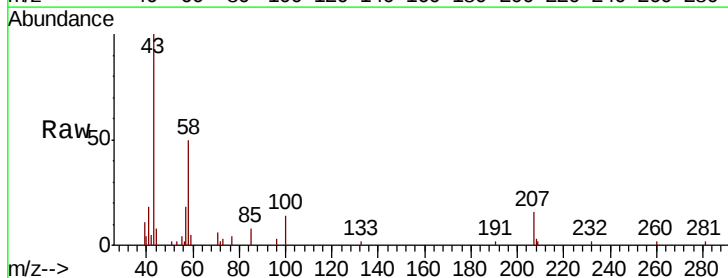
Acq: 20 Nov 2019 13:57

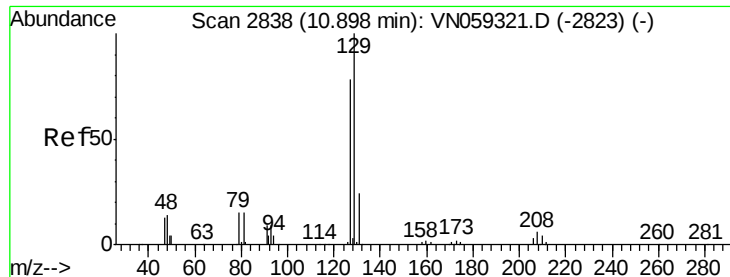
Tgt Ion: 43 Resp: 19083

Ion Ratio Lower Upper

43 100

58 51.2 27.3 81.8





#60

Dibromochloromethane

Concen: 0.926 ug/l

RT: 10.90 min Scan# 2837

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 4084

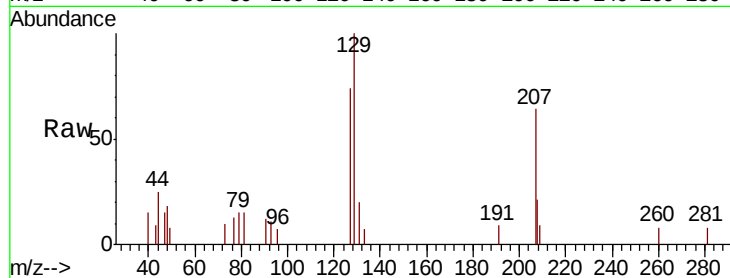
Ion Ratio Lower Upper

129 100

127 78.5 38.6 115.8

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

2500

2000

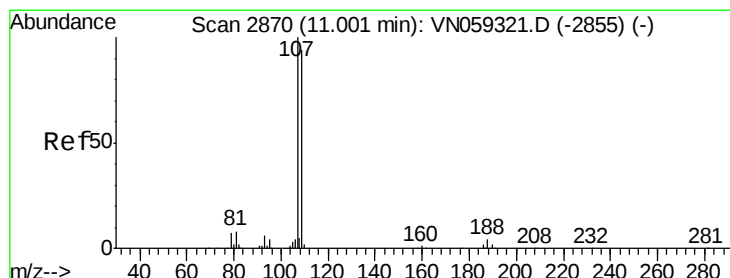
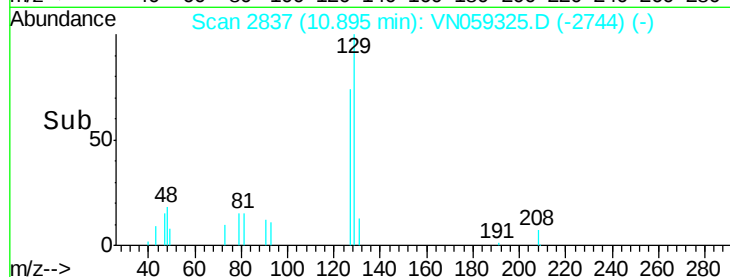
1500

1000

500

0

Time-->



#61

1,2-Dibromoethane

Concen: 1.036 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.01 min

Lab File: VN059325.D

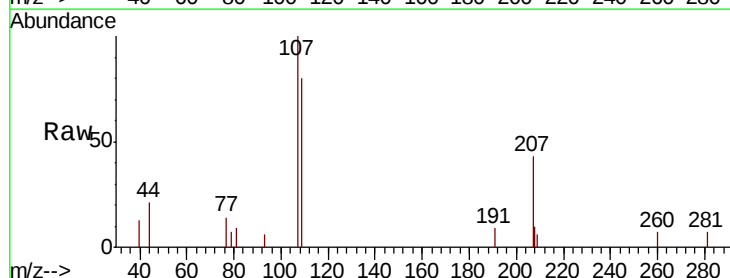
Acq: 20 Nov 2019 13:57

Tgt Ion:107 Resp: 4375

Ion Ratio Lower Upper

107 100

109 90.8 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

3000

2500

2000

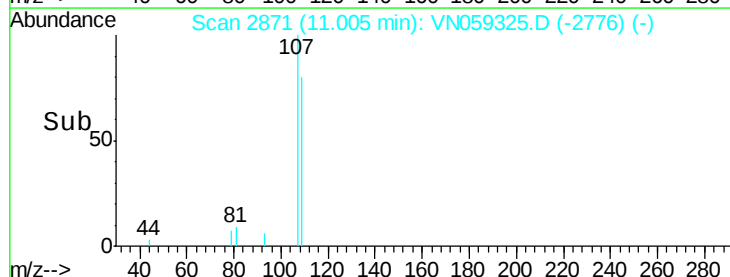
1500

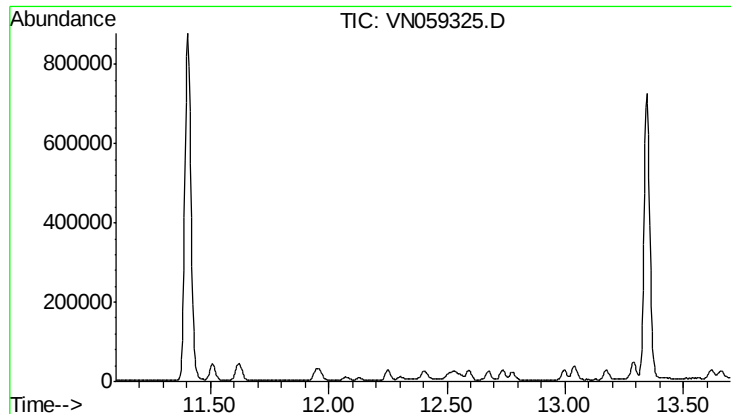
1000

500

0

Time-->





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.40 min

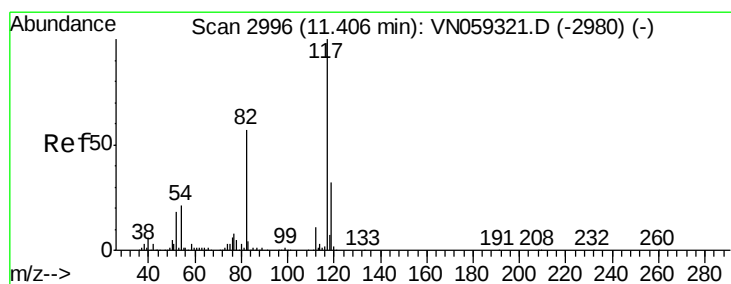
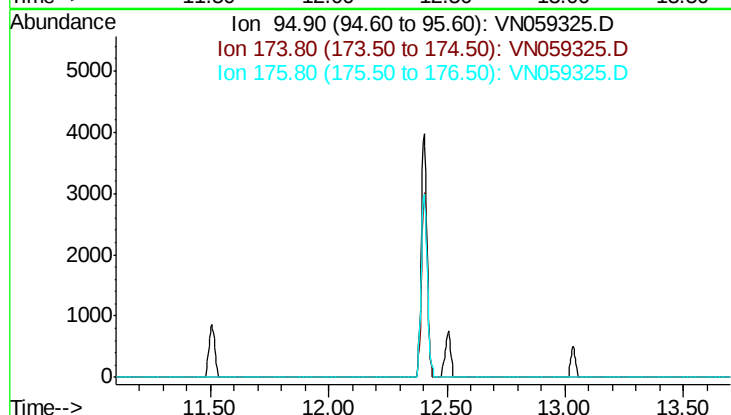
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 95
Sig Exp Ratio
95 100
174 79.1
176 75.9

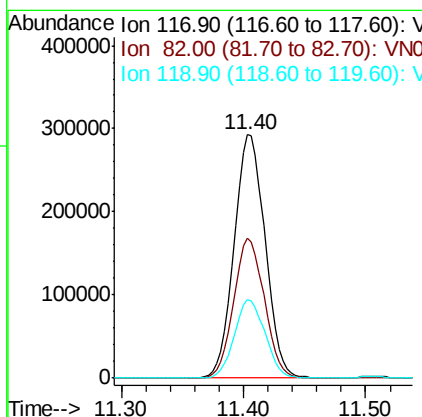
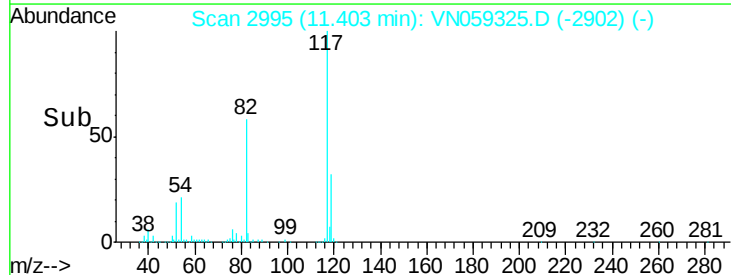
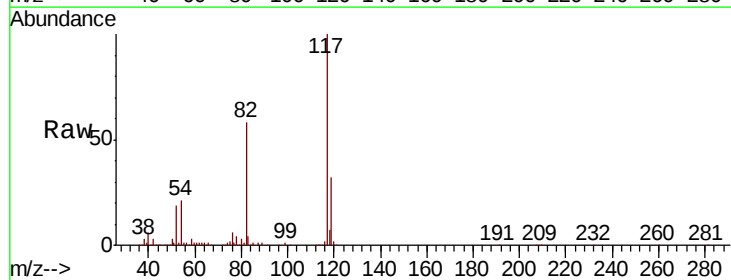
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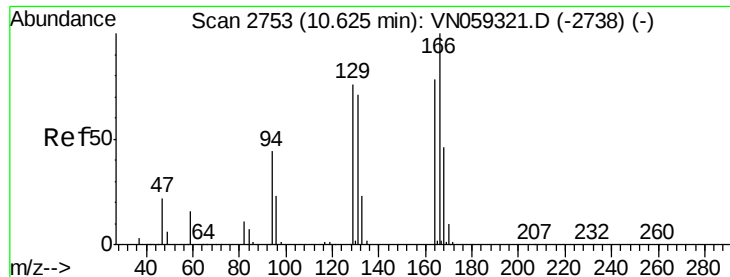
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion: 117 Resp: 515848
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.8
119 32.0 25.8 38.6





#64

Tetrachloroethene

Concen: 1.347 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4724

Ion Ratio Lower Upper

164 100

166 118.8 101.5 152.3

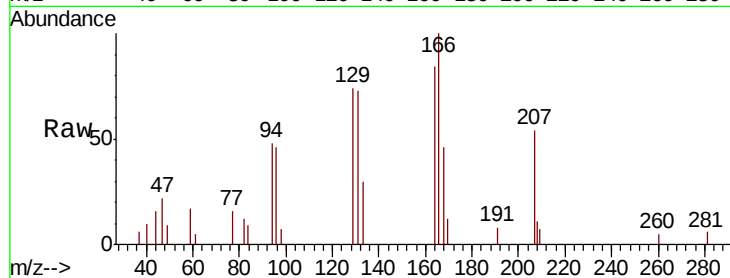
129 88.4 78.3 117.5

131 87.2 75.9 113.9

Manual Integrations
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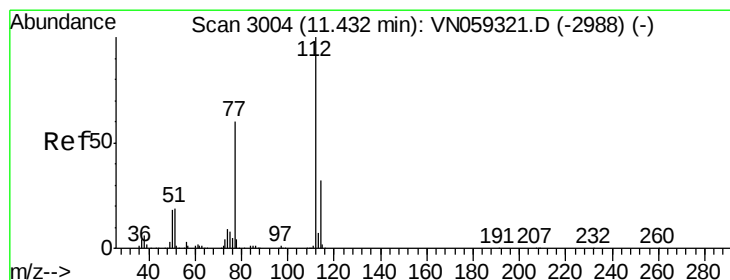
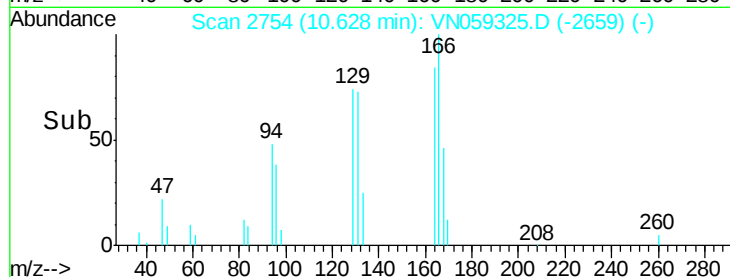
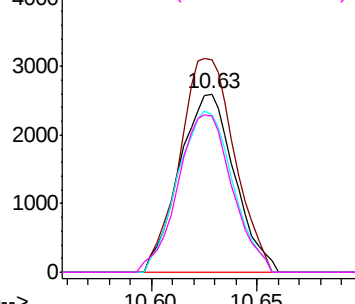


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.161 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059325.D

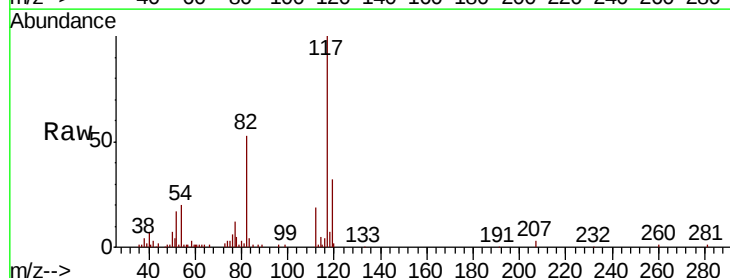
Acq: 20 Nov 2019 13:57

Tgt Ion:112 Resp: 11677

Ion Ratio Lower Upper

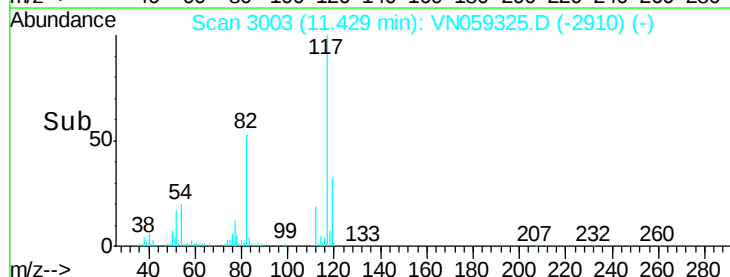
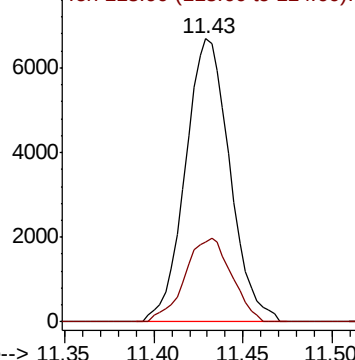
112 100

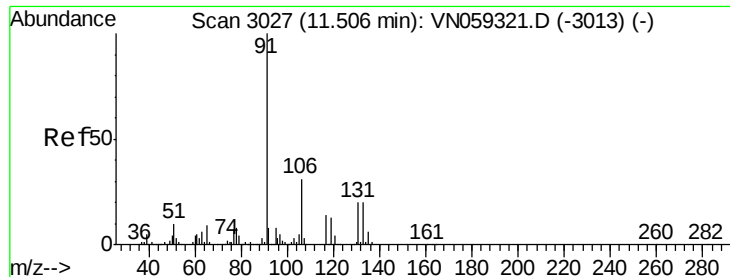
114 28.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





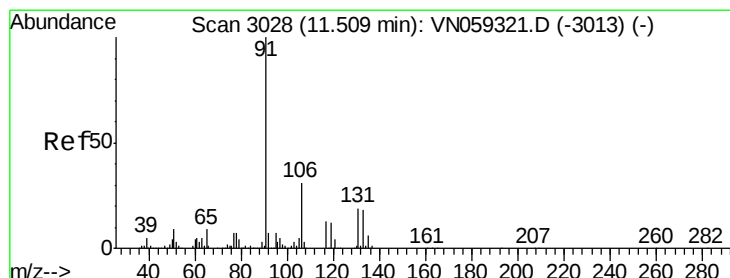
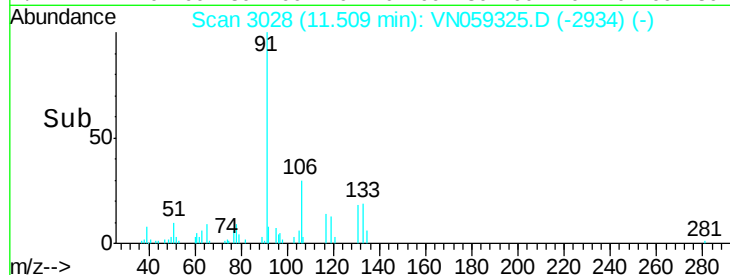
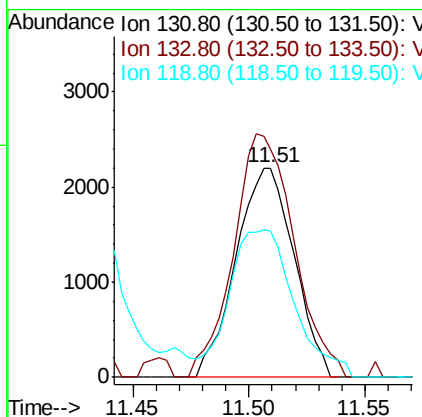
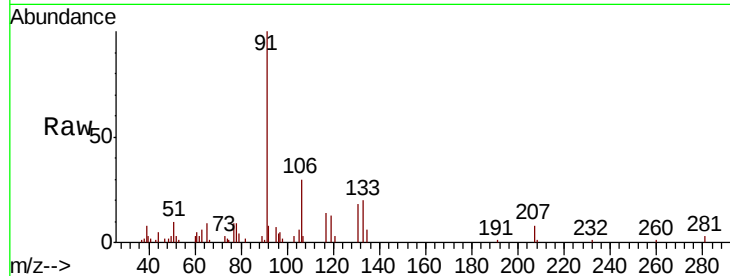
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.016 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	121.1	47.4	142.3
119	0.0	33.2	99.6

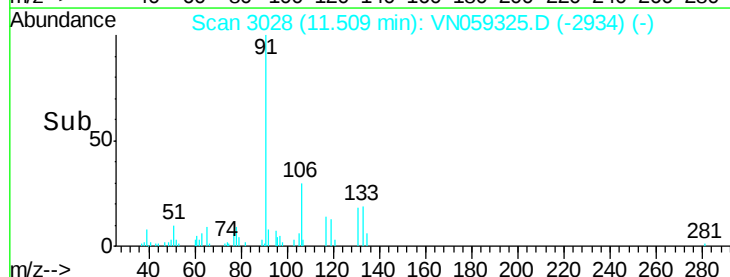
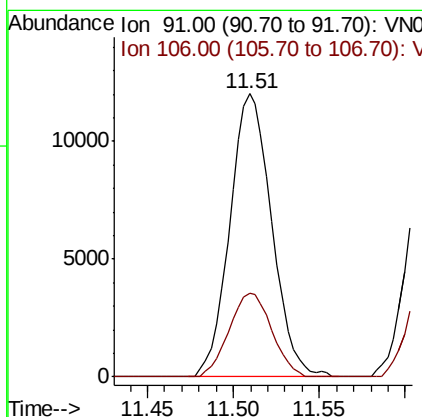
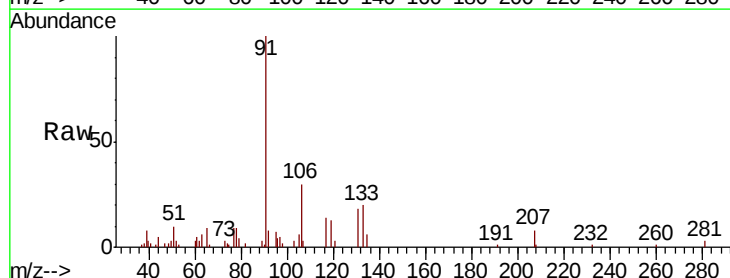
Manual Integrations
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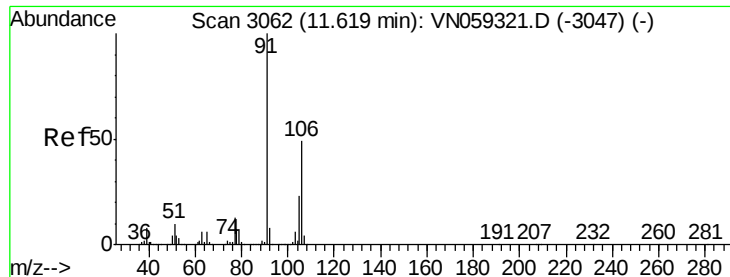
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#67
 Ethyl Benzene
 Concen: 1.143 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.1	36.1





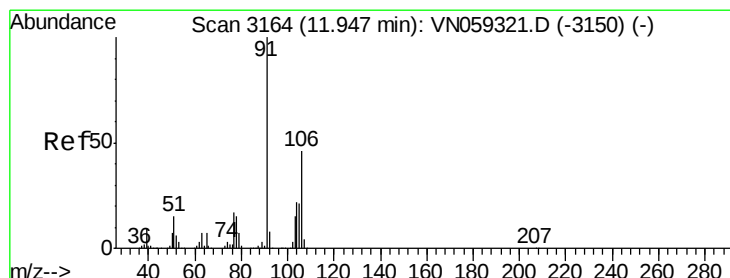
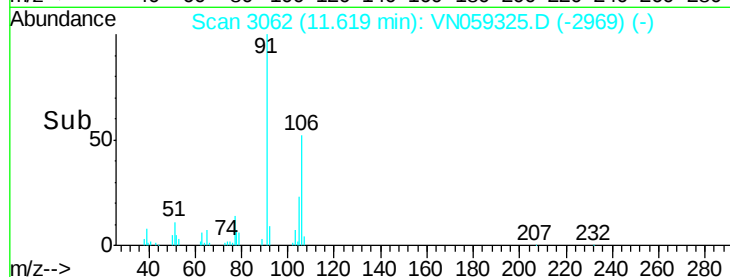
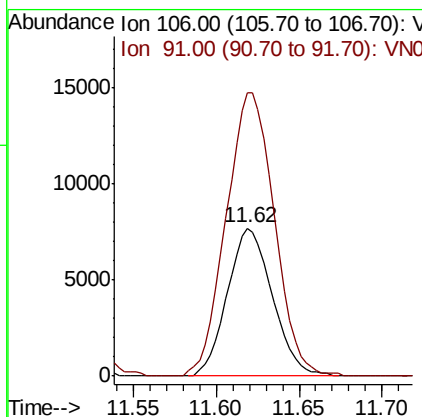
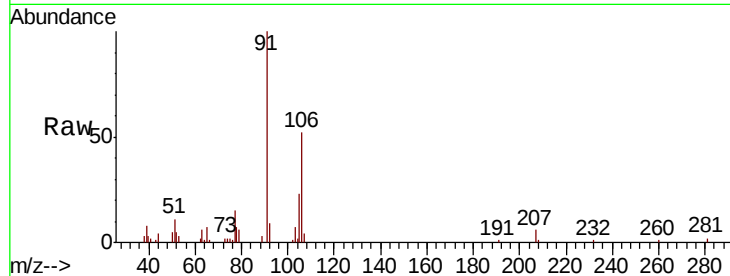
#68
m/p-Xylenes
Concen: 2.177 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 14548
Ion Ratio Lower Upper
106 100
91 204.9 164.7 247.1

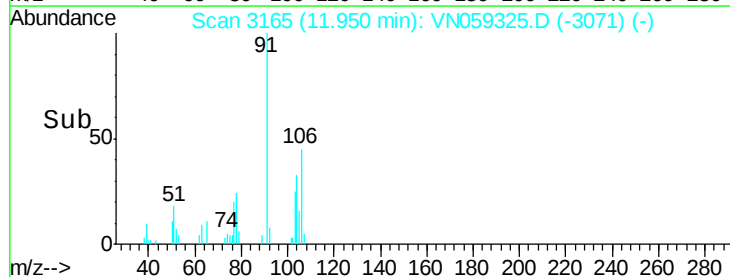
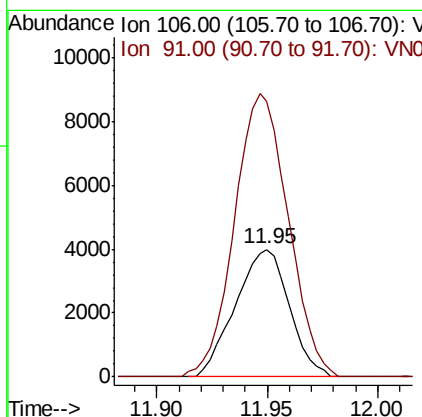
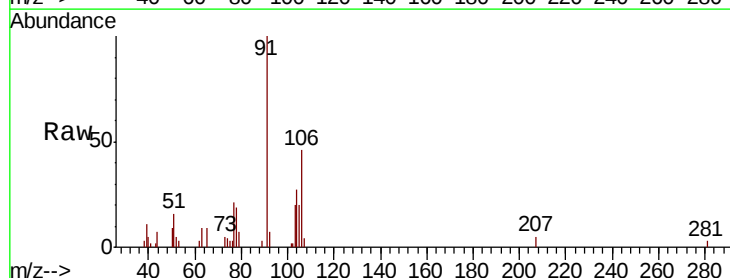
Manual Integrations
APPROVED

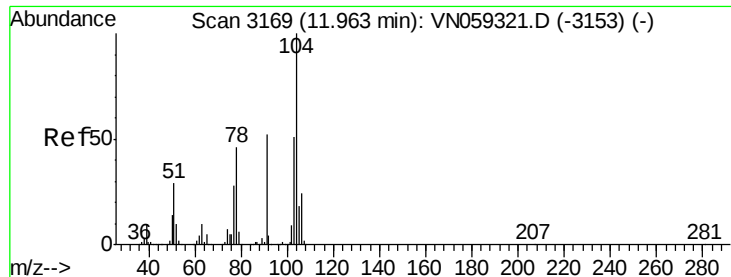
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#69
o-Xylene
Concen: 1.046 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion:106 Resp: 6757
Ion Ratio Lower Upper
106 100
91 221.6 110.1 330.3





#70

Stvrene

Concen: 0.990 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

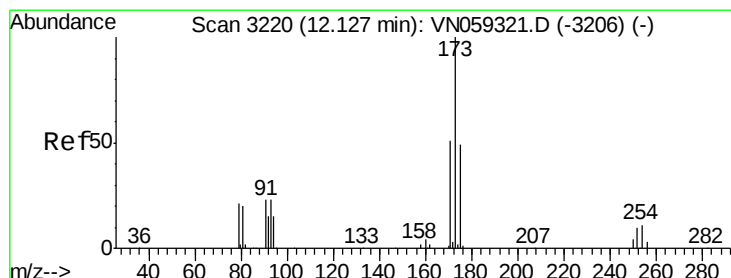
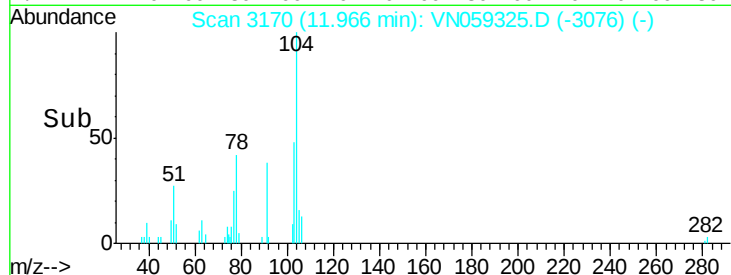
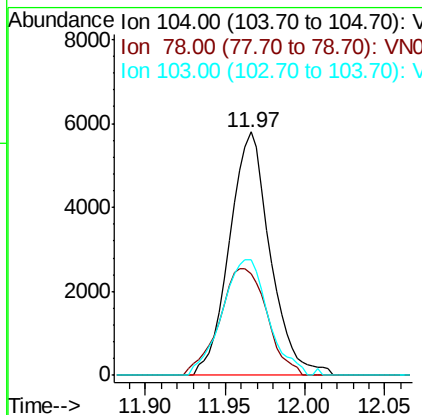
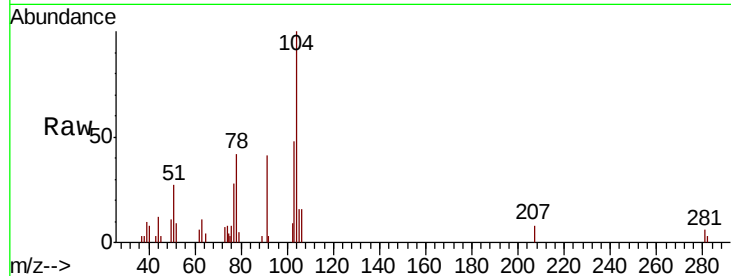
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	10061
Ion Ratio	Lower	Upper	
104	100		
78	51.3	41.2	61.8
103	53.7	43.8	65.6

Manual Integrations
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#71

Bromoform

Concen: 0.924 ug/l

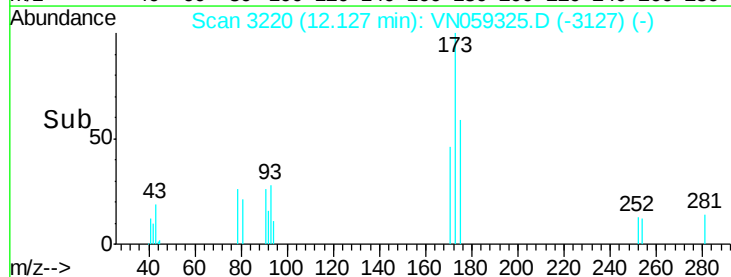
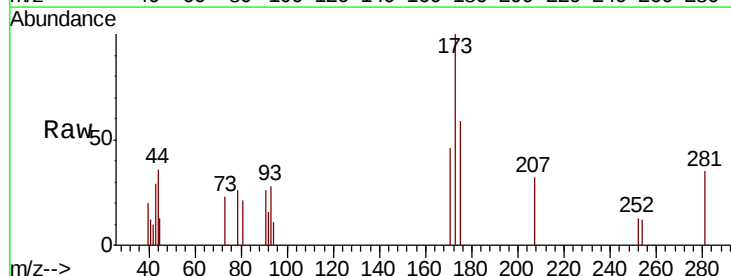
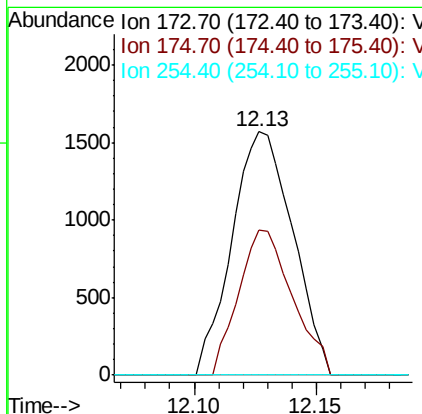
RT: 12.13 min Scan# 3220

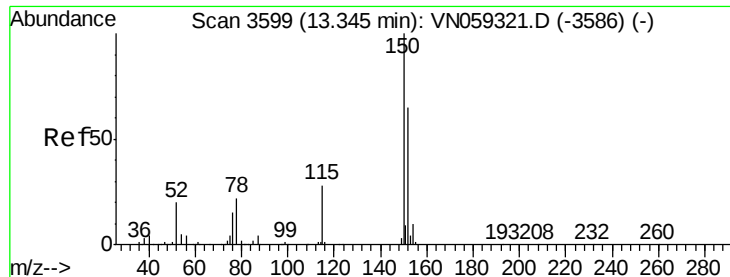
Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	173	Resp:	2712
Ion Ratio	Lower	Upper	
173	100		
175	52.8	24.2	72.6
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

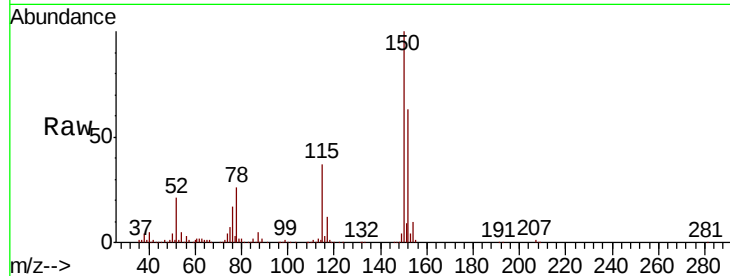
ClientSampleId :

VSTDIC001

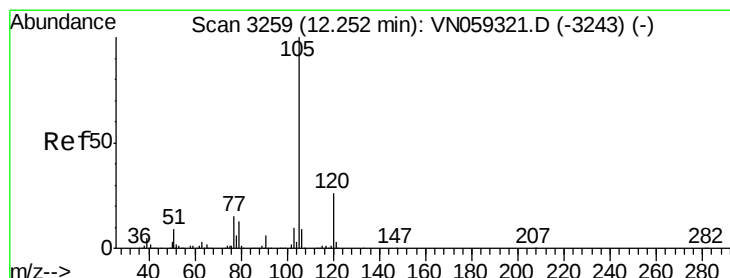
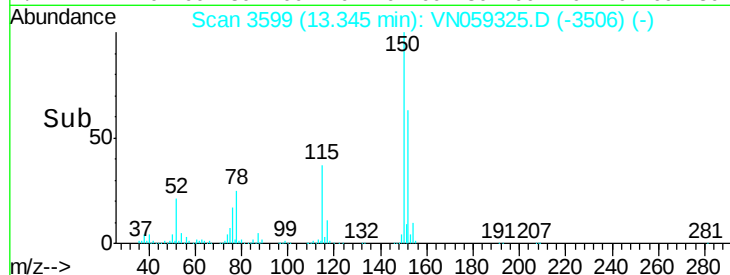
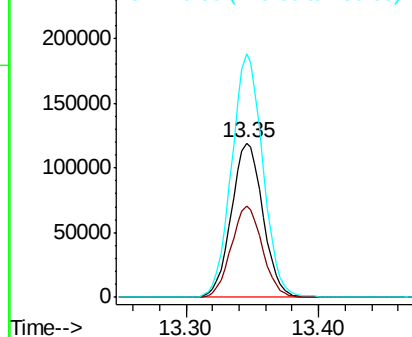
Tot Ion:	152	Resp:	196576
Ion Ratio	Lower	Upper	
152	100		
115	57.8	29.4	88.2
150	155.6	0.0	345.8

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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: 1.274 ug/l

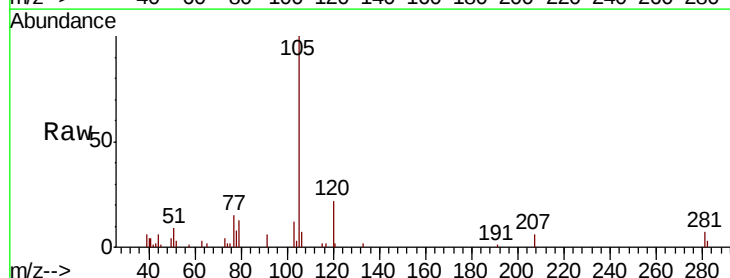
RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

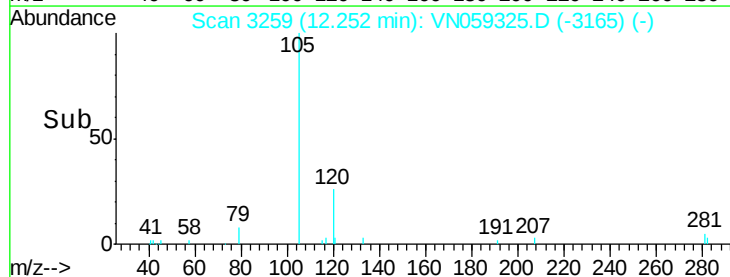
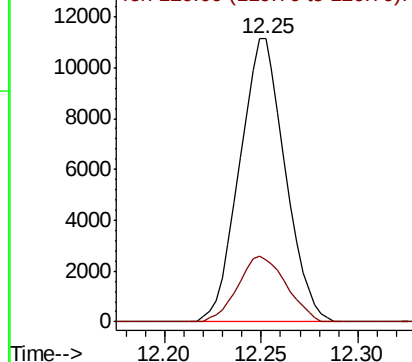
Lab File: VN059325.D

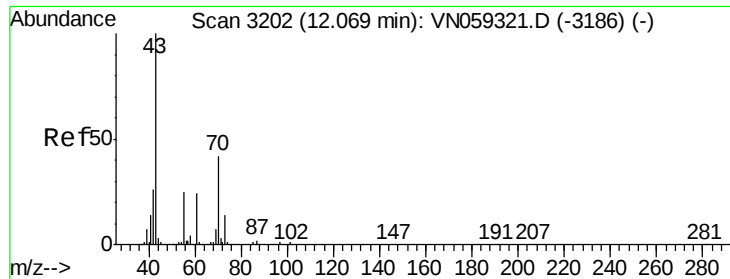
Acq: 20 Nov 2019 13:57

Tgt Ion:	105	Resp:	18218
Ion Ratio	Lower	Upper	
105	100		
120	24.6	13.1	39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.095 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

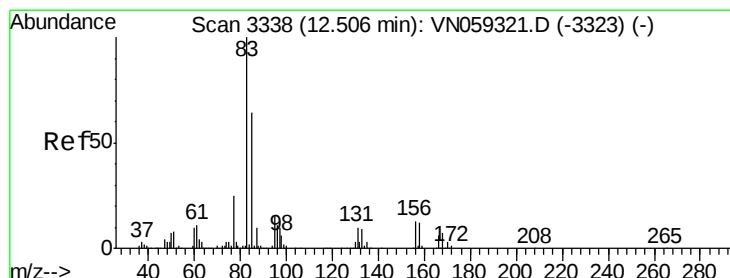
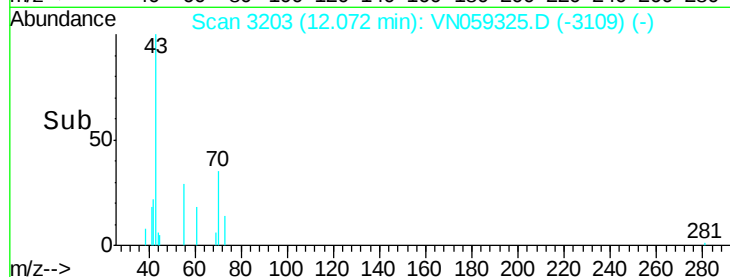
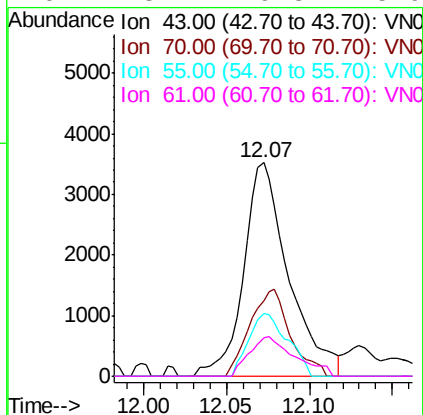
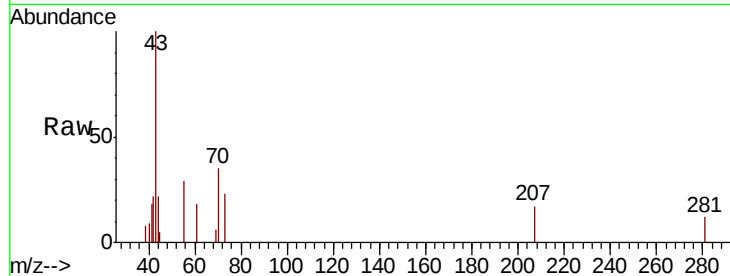
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	6633
Ion	Ratio	Lower	Upper
43	100		
70	36.5	32.2	48.4
55	25.2	20.4	30.6
61	18.7	19.3	28.9#

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.241 ug/l

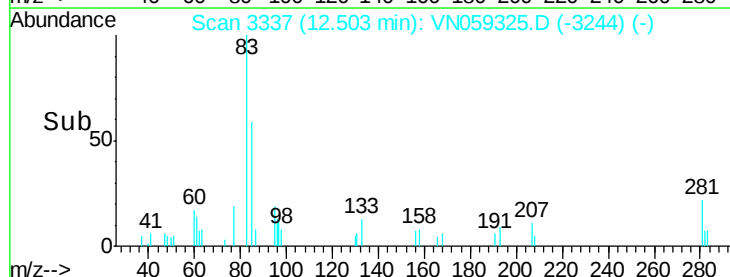
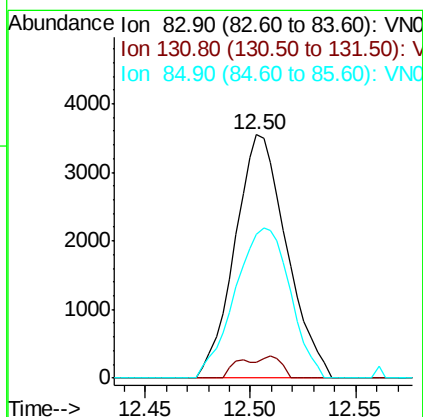
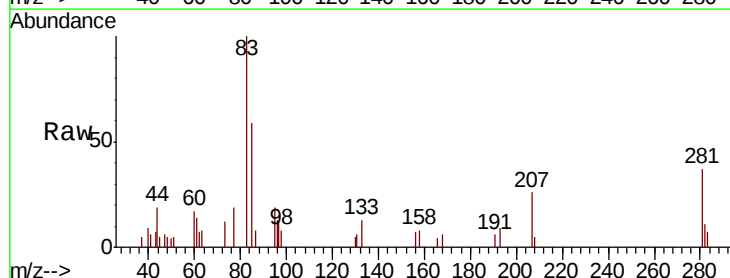
RT: 12.50 min Scan# 3337

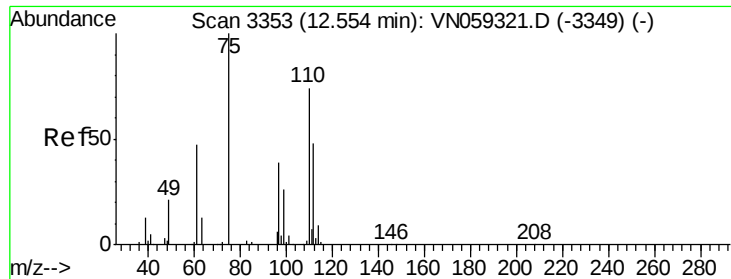
Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	83	Resp:	6043
Ion	Ratio	Lower	Upper
83	100		
131	3.4	4.9	14.6#
85	65.7	32.4	97.2





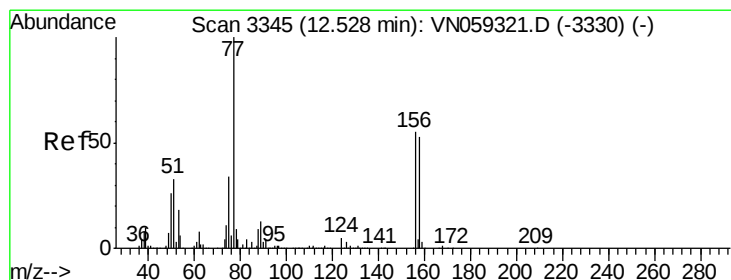
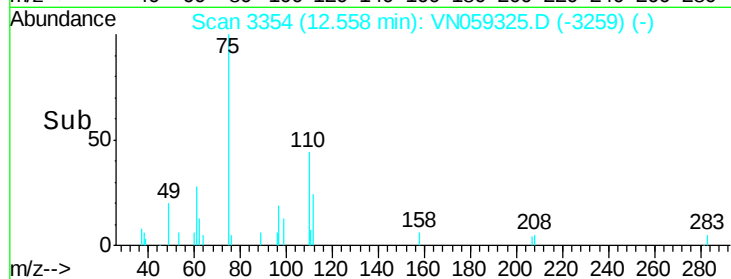
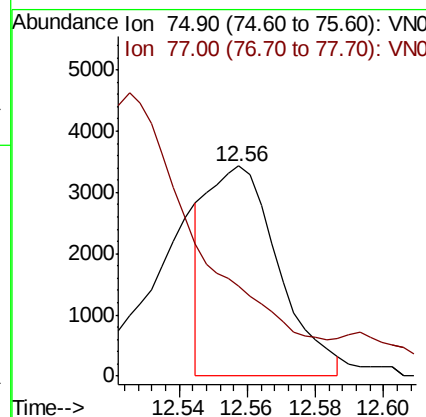
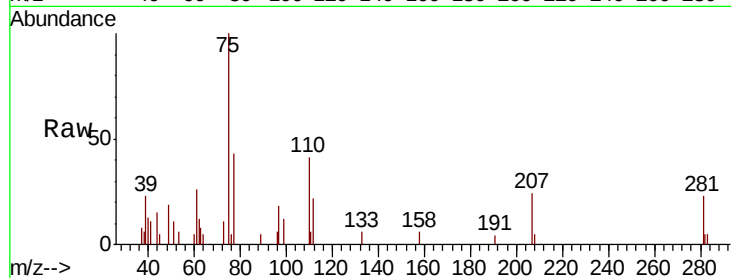
#76
1,2,3-Trichloropropane
Concen: 1.112 ug/l m
RT: 12.56 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 75 Resp: 4975
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

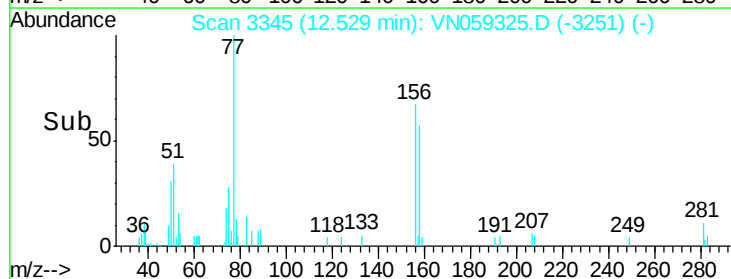
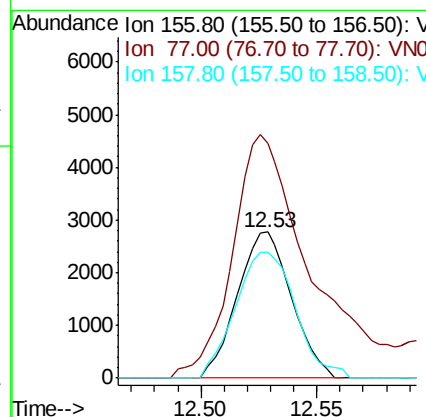
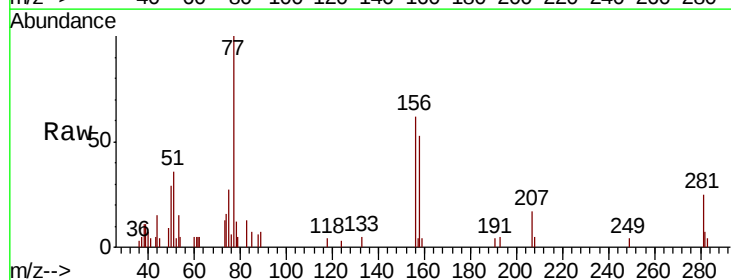
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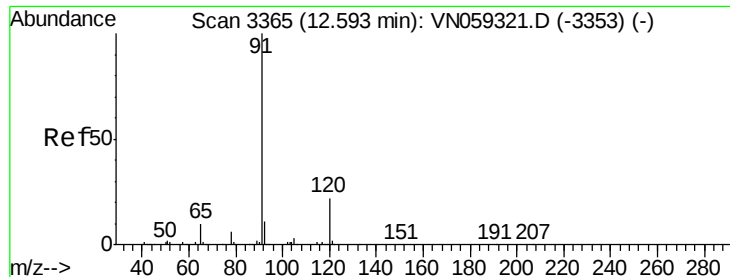
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#77
Bromobenzene
Concen: 1.255 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion: 156 Resp: 4508
Ion Ratio Lower Upper
156 100
77 237.5 112.8 338.3
158 95.6 48.4 145.3





#78

n-propylbenzene

Concen: 1.214 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 19875

Ion Ratio Lower Upper

91 100

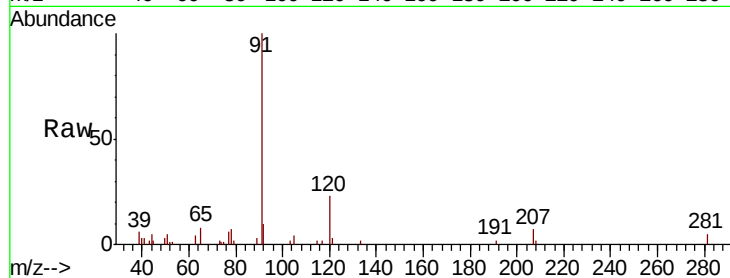
120 24.2 11.2 33.5

Manual Integrations

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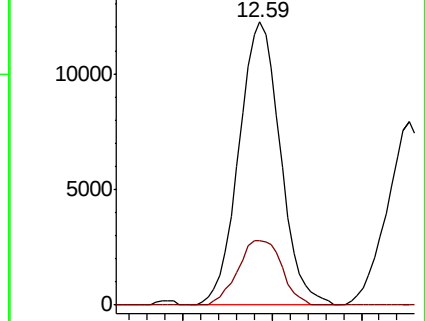
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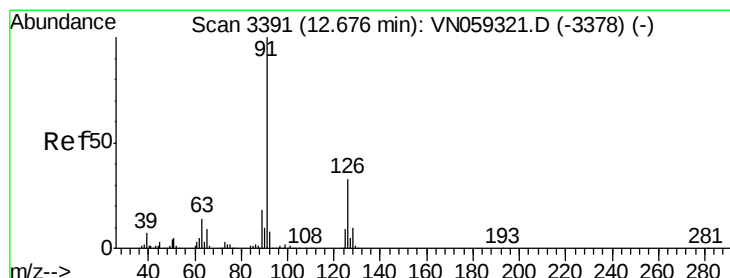
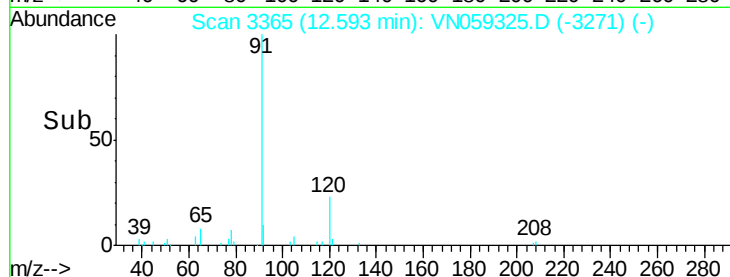


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 1.292 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059325.D

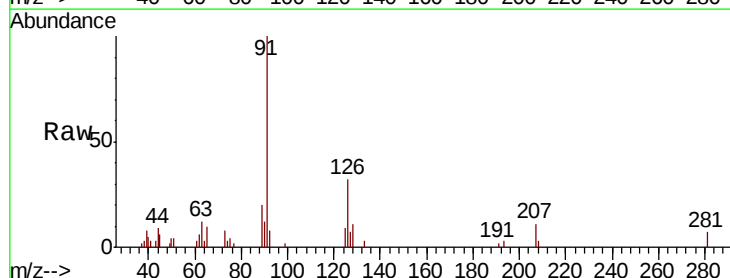
Acq: 20 Nov 2019 13:57

Tgt Ion: 91 Resp: 13121

Ion Ratio Lower Upper

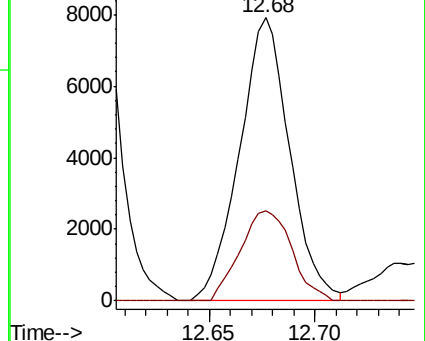
91 100

126 32.6 16.7 50.1

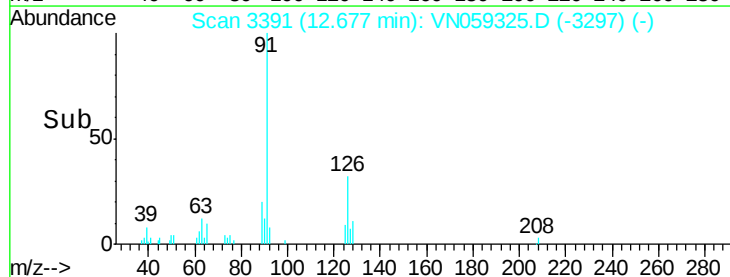


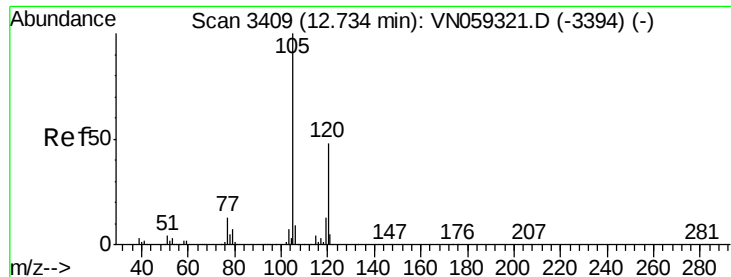
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->





#80

1,3,5-Trimethylbenzene

Concen: 1.257 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 15232

Ion Ratio Lower Upper

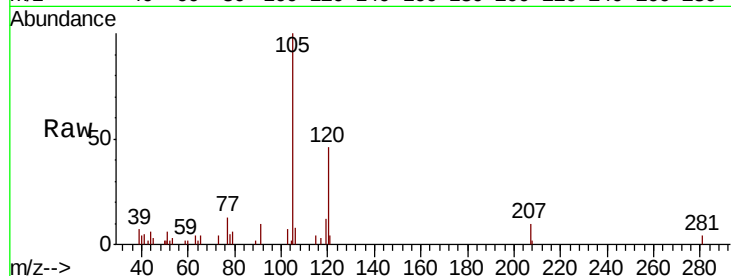
105 100

120 46.7 24.0 72.0

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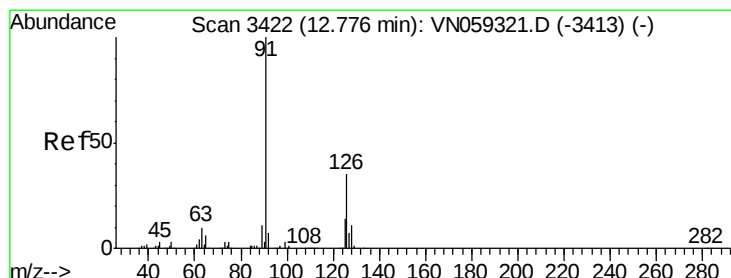
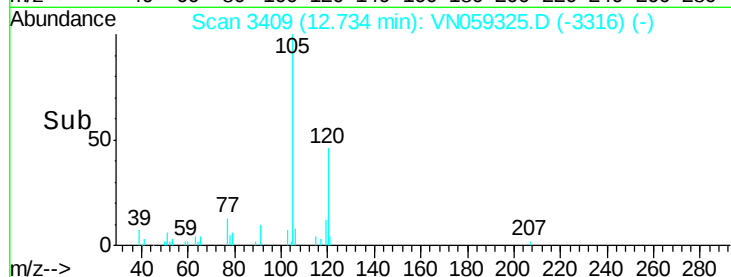
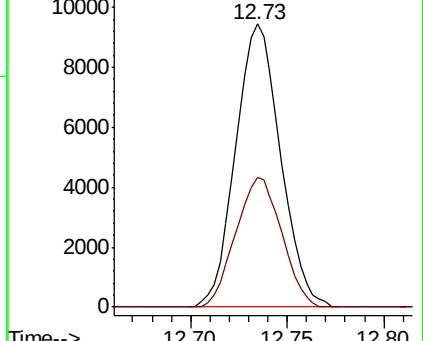
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.471 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059325.D

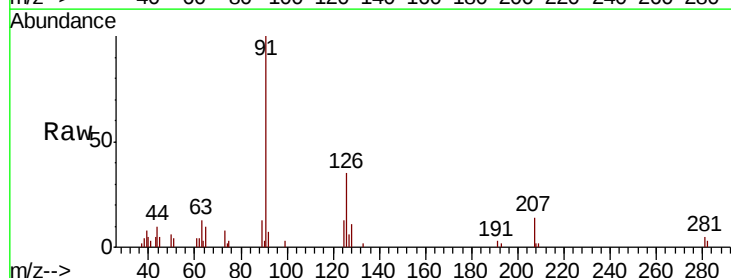
Acq: 20 Nov 2019 13:57

Tgt Ion: 91 Resp: 14987

Ion Ratio Lower Upper

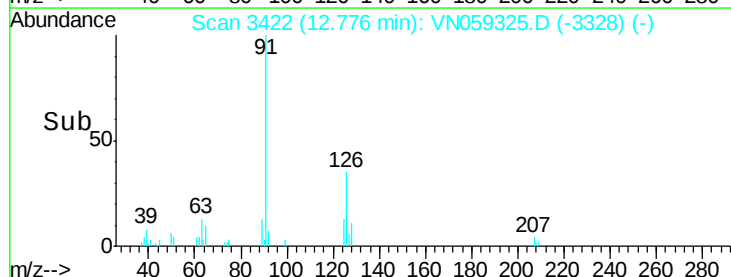
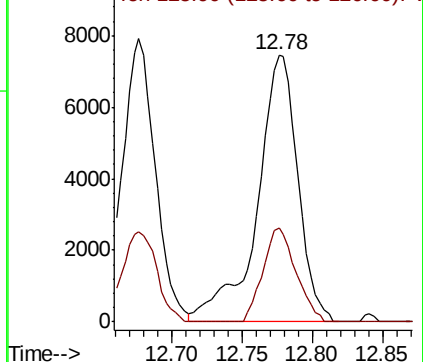
91 100

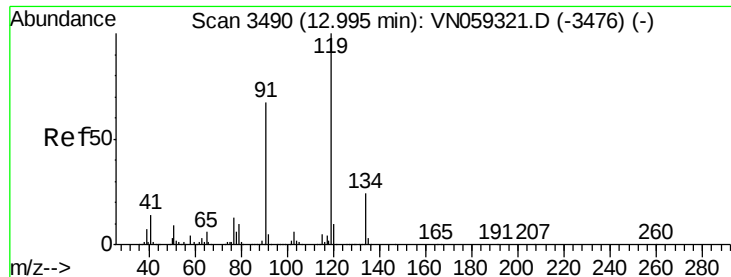
126 28.5 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.162 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

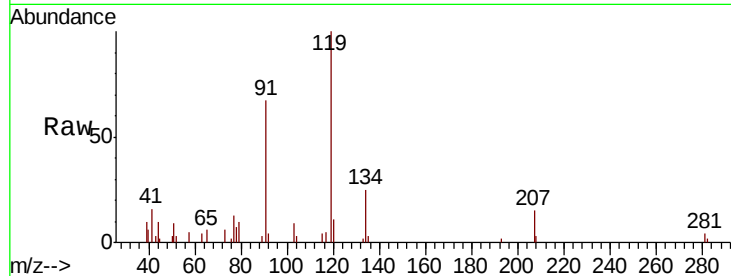
ClientSampleId :

VSTDIC001

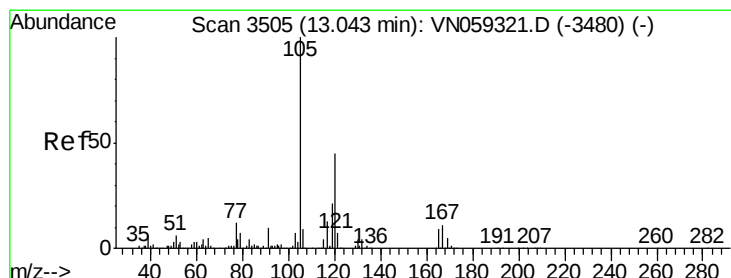
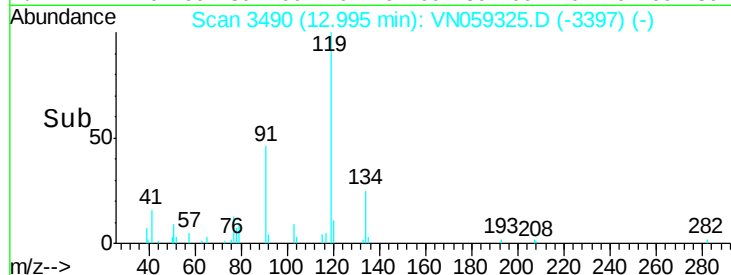
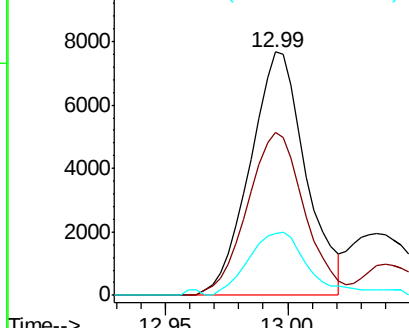
Tot Ion:	119	Resp:	12156
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.2	99.6
134	28.5	12.7	38.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.220 ug/l

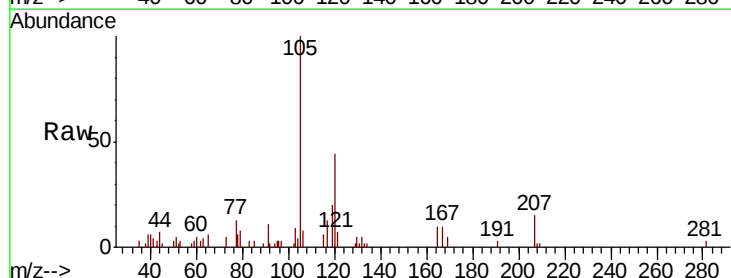
RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

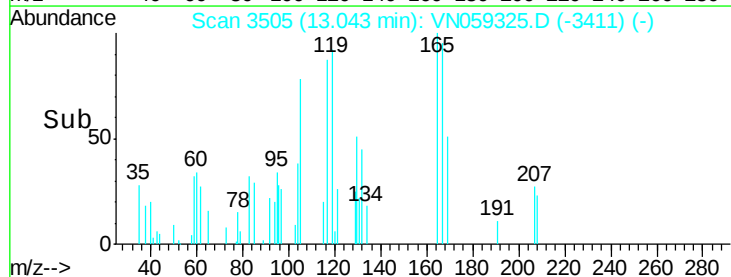
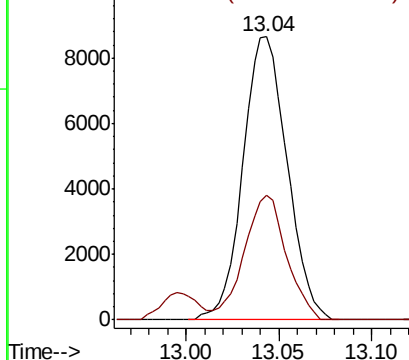
Lab File: VN059325.D

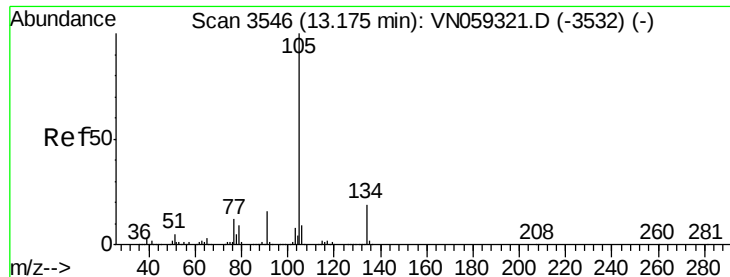
Acq: 20 Nov 2019 13:57

Tgt Ion:	105	Resp:	14301
Ion Ratio	Lower	Upper	
105	100		
120	41.9	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.235 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 16803

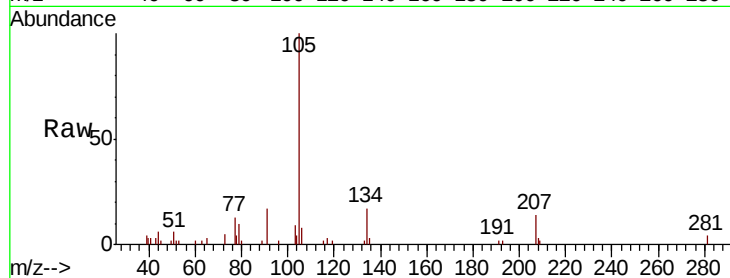
Ion Ratio Lower Upper

105 100

134 18.6 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12000

10000

8000

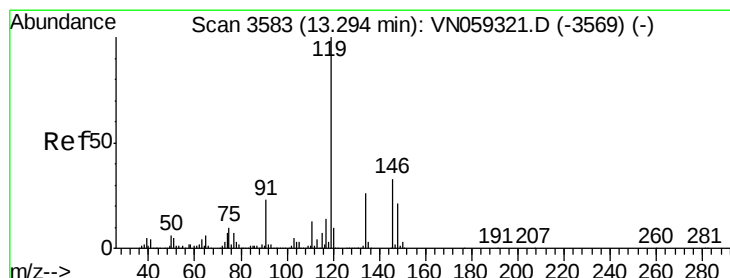
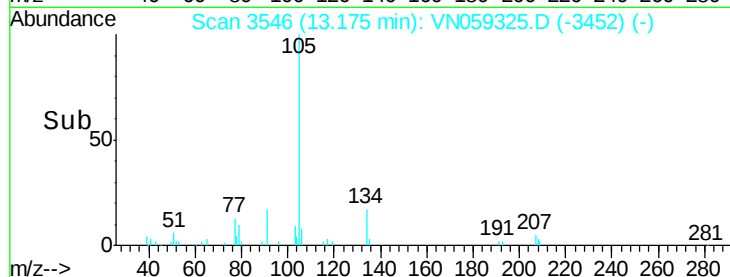
6000

4000

2000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 1.191 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

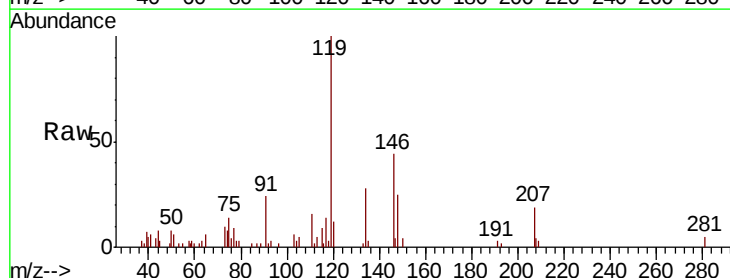
Tgt Ion:119 Resp: 14305

Ion Ratio Lower Upper

119 100

134 29.0 13.0 38.9

91 24.9 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12000

10000

8000

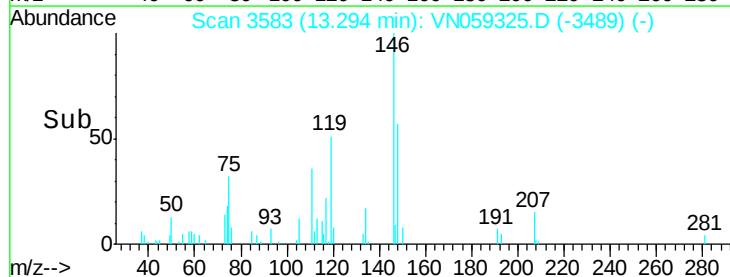
6000

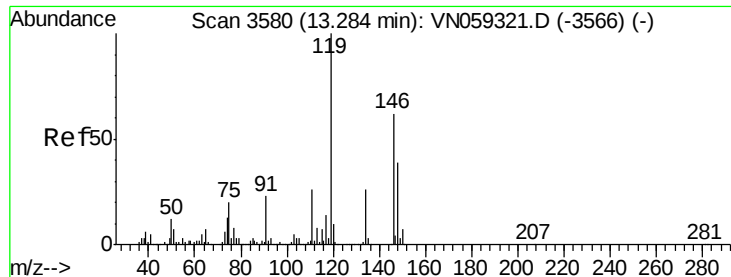
4000

2000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 1.377 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059325.D

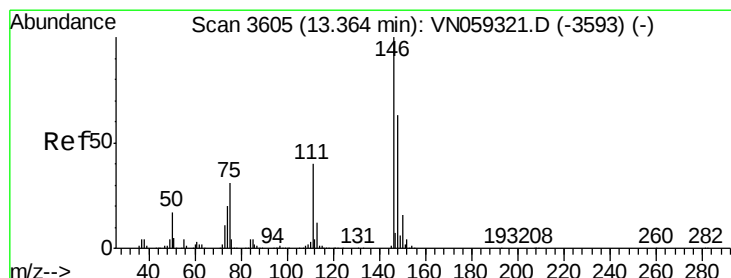
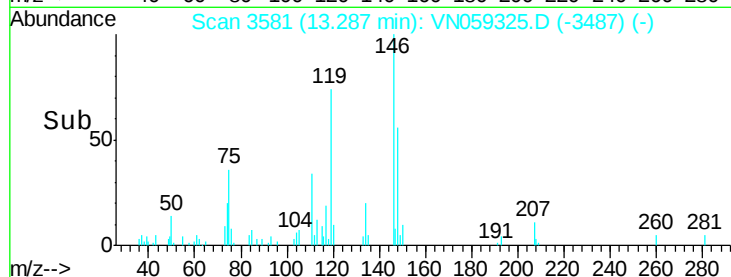
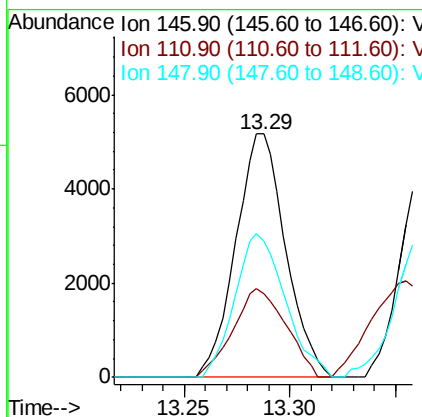
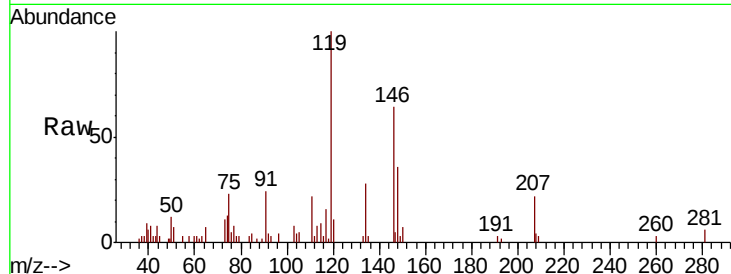
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.4	61.3
148	59.5	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 1.378 ug/l m

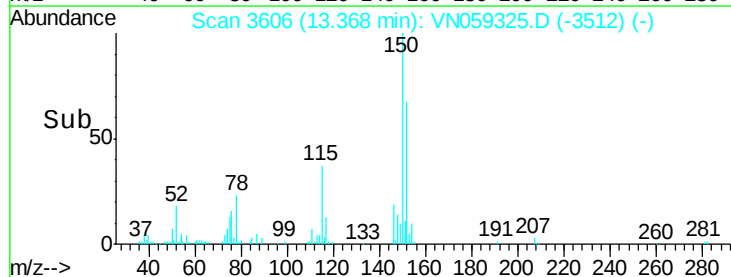
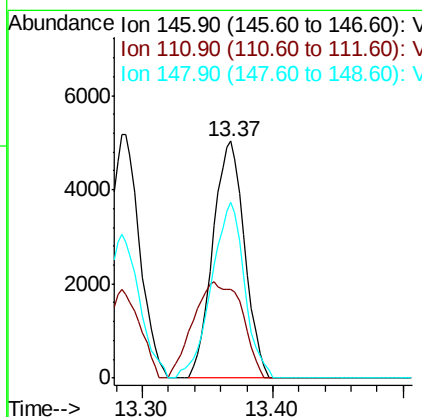
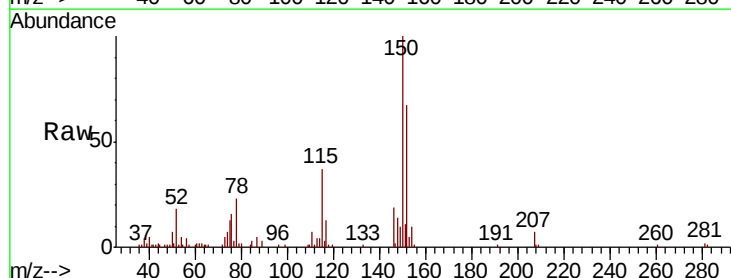
RT: 13.37 min Scan# 3606

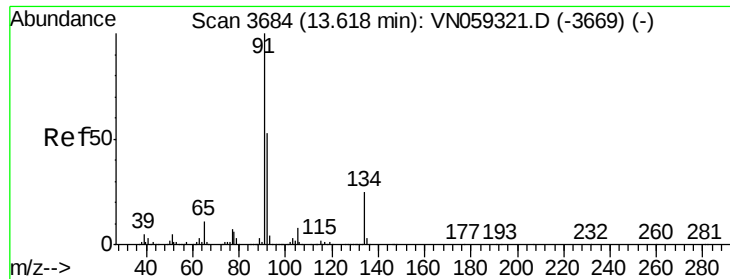
Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.3	60.9
148	59.5	31.9	95.7





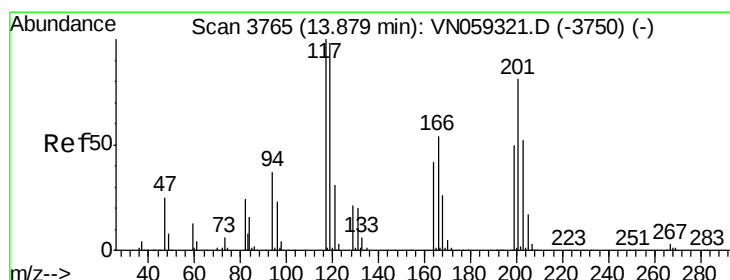
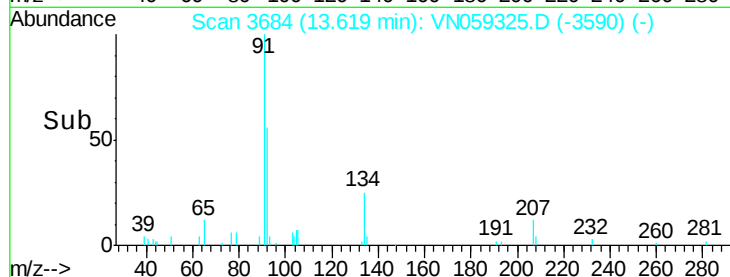
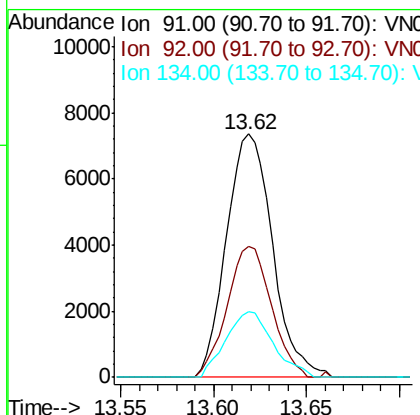
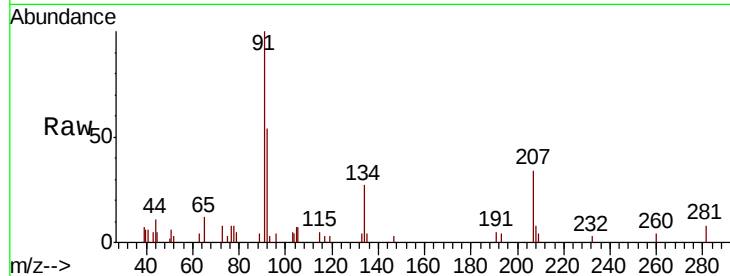
#89
n-Butylbenzene
Concen: 1.208 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.3
134	27.5	12.6	37.8

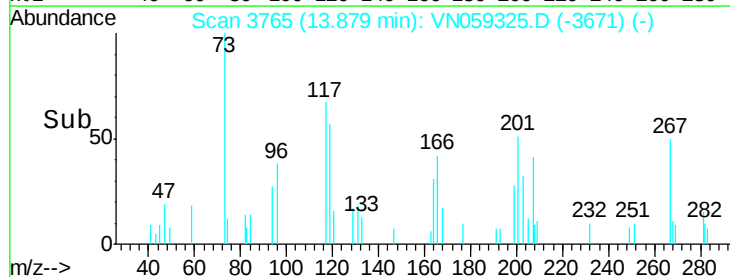
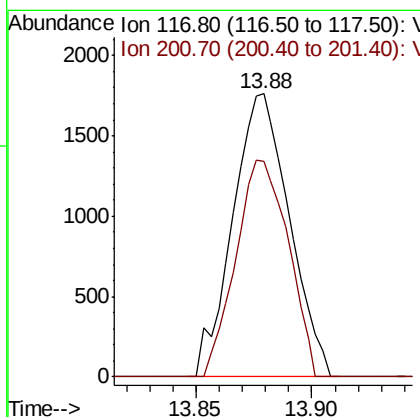
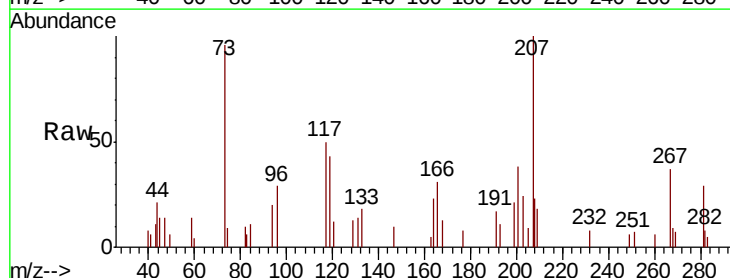
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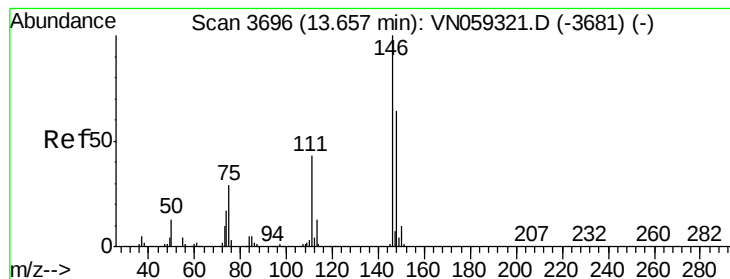
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#90
Hexachloroethane
Concen: 1.237 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.9	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 1.309 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Instrument :

MSVOA_N

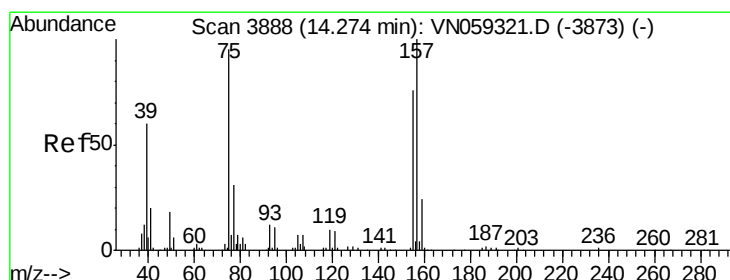
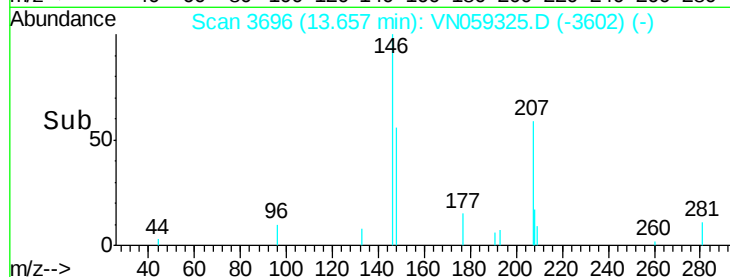
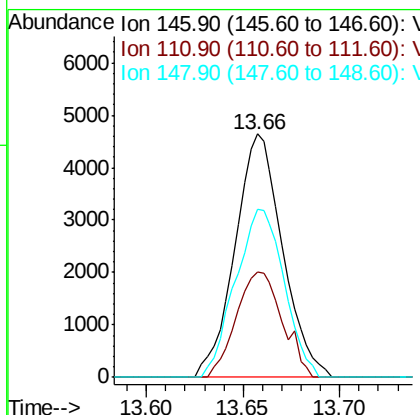
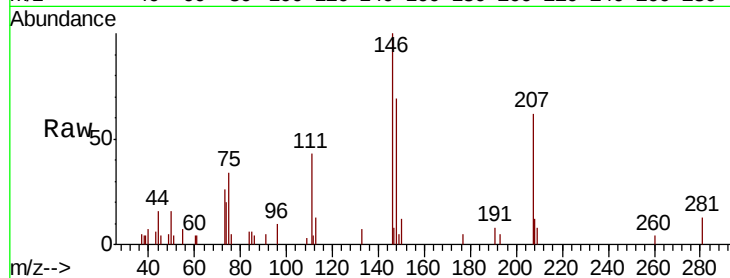
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	7921
Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.2	63.6
148	70.8	31.6	94.7

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#92

1,2-Dibromo-3-Chloropropane

Concen: 1.222 ug/l

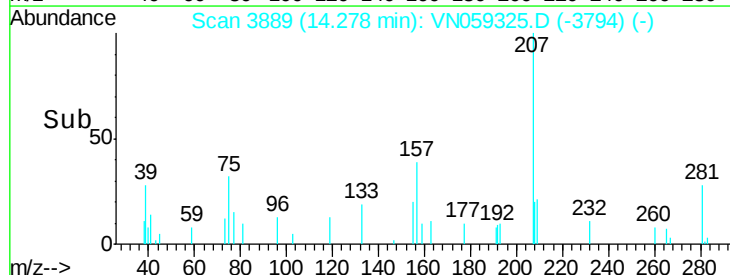
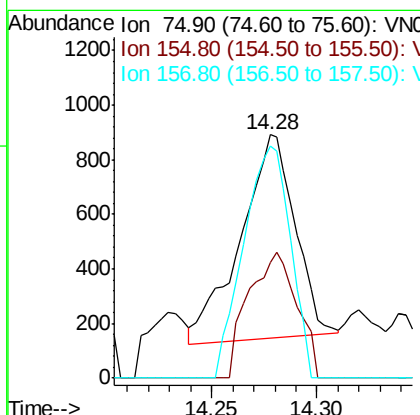
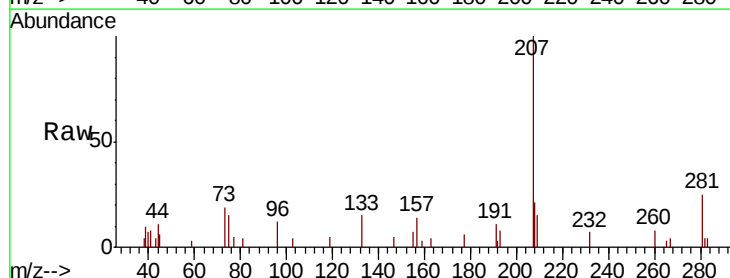
RT: 14.28 min Scan# 3889

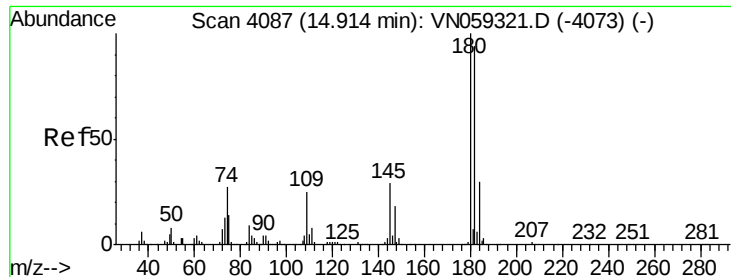
Delta R.T. 0.01 min

Lab File: VN059325.D

Acq: 20 Nov 2019 13:57

Tgt Ion:	75	Resp:	1343
Ion	Ratio	Lower	Upper
75	100		
155	54.5	40.2	120.6
157	97.5	51.8	155.5





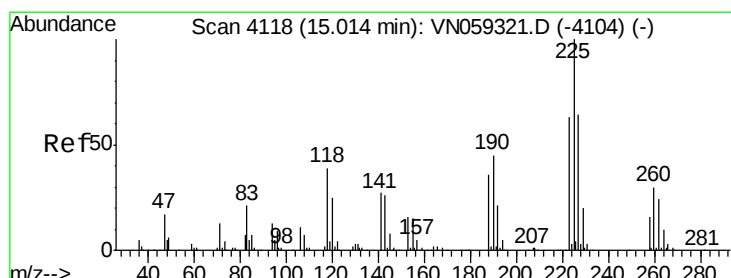
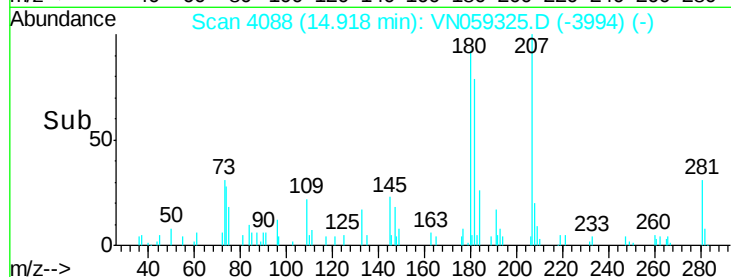
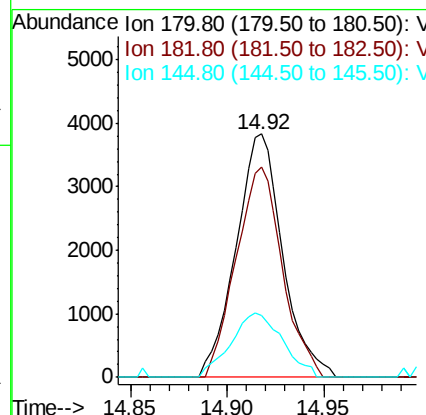
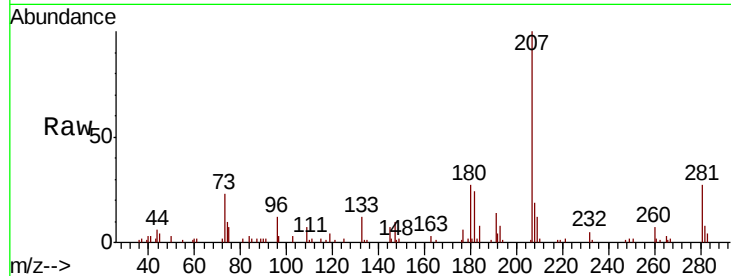
#93
 1,2,4-Trichlorobenzene
 Concen: 1.981 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	85.4	48.1	144.3
145	29.3	15.1	45.3

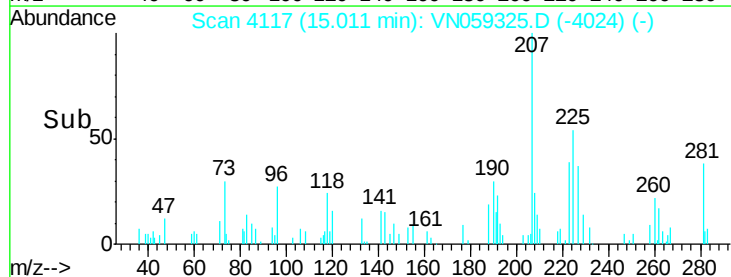
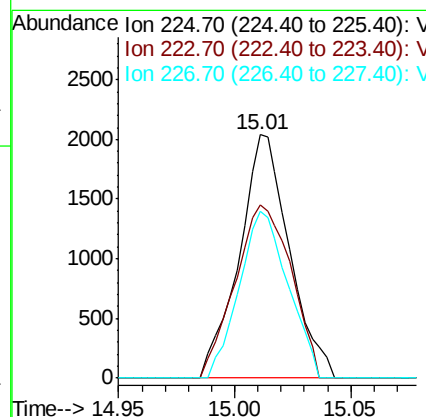
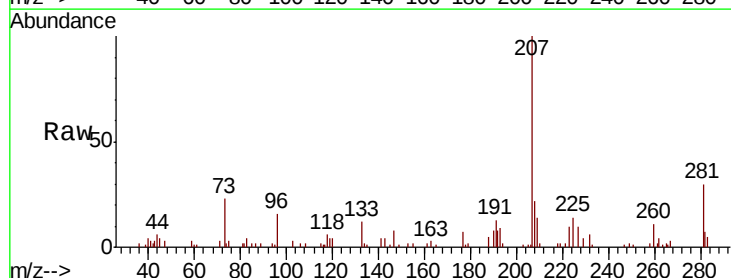
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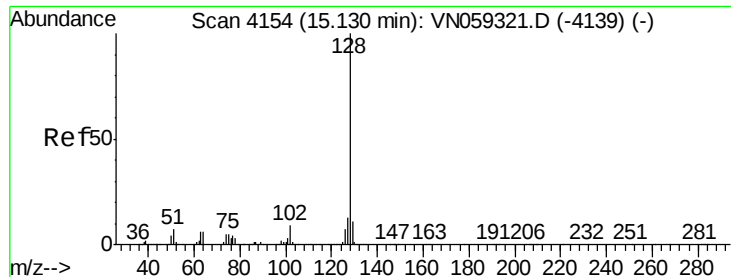
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#94
 Hexachlorobutadiene
 Concen: 1.467 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059325.D
 Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	79.4	31.3	93.9
227	66.5	31.5	94.5





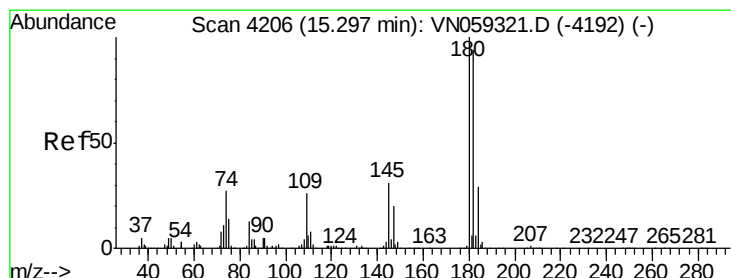
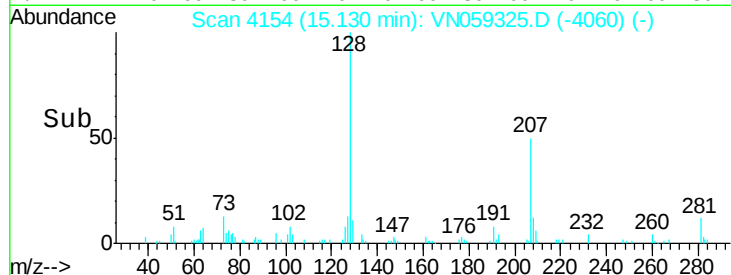
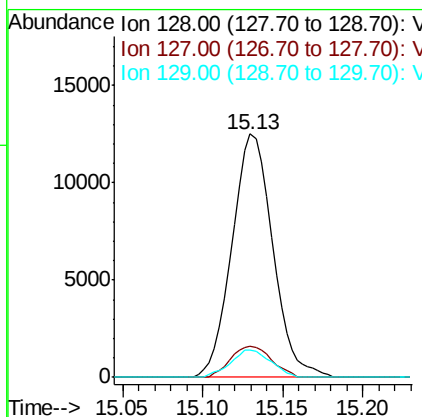
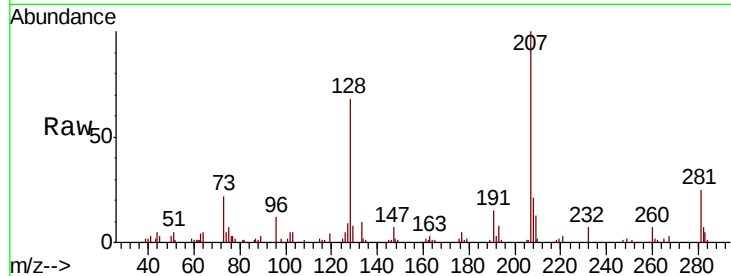
#95
Naphthalene
Concen: 2.444 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	11.0	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 2.400 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059325.D
Acq: 20 Nov 2019 13:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.3	141.8
145	36.5	15.8	47.3

