

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081319\
 Data File : VN057241.D
 Acq On : 13 Aug 2019 11:27
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 12:29:36 PM

Quant Time: Aug 14 05:56:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 05:31:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1139924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1638665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1350189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334541	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount 50.000			Recovery	=	0.00%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.85	85	10455	0.985	ug/l	95
3) Chloromethane	2.05	50	11776	0.842	ug/l	91
4) Vinyl Chloride	2.18	62	10617	0.789	ug/l	98
6) Chloroethane	2.70	64	6735	0.841	ug/l	90
7) Trichlorofluoromethane	3.02	101	18745	1.056	ug/l	98
8) Diethyl Ether	3.40	74	6013	0.884	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.75	101	11042	1.039	ug/l #	58
12) 1,1-Dichloroethene	3.73	96	10493	0.987	ug/l	92
14) Allyl chloride	4.32	41	15719	0.871	ug/l #	78
15) Acrylonitrile	4.98	53	21098m	3.633	ug/l	
16) Acetone	3.81	43	20223	3.647	ug/l	98
17) Carbon Disulfide	4.05	76	31159	1.103	ug/l #	91
18) Methyl Acetate	4.32	43	26603	1.752	ug/l #	70
19) Methyl tert-butyl Ether	5.02	73	31670	0.944	ug/l	98
20) Methylene Chloride	4.55	84	14018m	1.118	ug/l	
21) trans-1,2-Dichloroethene	5.04	96	11645	1.038	ug/l #	80
22) Diisopropyl ether	5.94	45	31874	0.901	ug/l #	85
23) Vinyl Acetate	5.89	43	115730	4.051	ug/l	99
24) 1,1-Dichloroethane	5.84	63	20665	0.991	ug/l #	89
25) 2-Butanone	6.83	43	26596	3.303	ug/l	97
26) 2,2-Dichloropropane	6.81	77	15396	1.001	ug/l	91
27) cis-1,2-Dichloroethene	6.83	96	12973m	1.004	ug/l	
28) Bromochloromethane	7.18	49	8539	0.887	ug/l #	80
29) Tetrahydrofuran	7.21	42	19187	3.670	ug/l #	85
30) Chloroform	7.36	83	22805	1.085	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	16696	0.994	ug/l #	49
36) 1,1-Dichloropropene	7.79	75	15264	1.009	ug/l	95
37) Ethyl Acetate	6.93	43	12275	0.859	ug/l #	74
38) Carbon Tetrachloride	7.76	117	16986	1.177	ug/l #	93
39) Methylcyclohexane	9.08	83	17389	0.938	ug/l	97
40) Benzene	8.03	78	47427	1.028	ug/l	98
41) Methacrylonitrile	7.17	41	4637	0.746	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	14245	0.973	ug/l	95
43) Isopropyl Acetate	8.16	43	16636	0.730	ug/l #	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	13849	1.092	ug/l	92
45) 1,2-Dichloropropane	9.11	63	11392	0.938	ug/l	98
46) Dibromomethane	9.20	93	8146	1.069	ug/l	97
47) Bromodichloromethane	9.40	83	14024	0.962	ug/l #	97
48) Methyl methacrylate	9.20	41	7950	0.726	ug/l #	87
49) 1,4-Dioxane	9.19	88	4421	19.356	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	55796	3.832	ug/l	98
52) Toluene	10.15	92	26838	0.973	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	14476	0.950	ug/l	90
54) cis-1,3-Dichloropropene	9.84	75	16250	0.923	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	11249	0.981	ug/l	88
56) Ethyl methacrylate	10.43	69	13796	0.846	ug/l	97
57) 1,3-Dichloropropane	10.70	76	18250	0.975	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	14132	1.954	ug/l	95
59) 2-Hexanone	10.75	43	36088	3.471	ug/l	100
60) Dibromochloromethane	10.90	129	11372	0.994	ug/l	97
61) 1,2-Dibromoethane	11.00	107	10817	0.946	ug/l	97
64) Tetrachloroethene	10.63	164	14873	1.271	ug/l	97
65) Chlorobenzene	11.43	112	30269	1.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	12039	1.173	ug/l #	66
67) Ethyl Benzene	11.51	91	49205	1.016	ug/l	100
68) m/p-Xylenes	11.62	106	34978	1.933	ug/l	99
69) o-Xylene	11.95	106	17045	0.959	ug/l	100
70) Styrene	11.96	104	21183	0.739	ug/l	95
71) Bromoform	12.12	173	7799	1.000	ug/l #	99
73) Isopropylbenzene	12.25	105	42683	1.553	ug/l	96
74) N-amyl acetate	12.07	43	11692	1.196	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	12844	1.421	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	7593m	1.054	ug/l	
77) Bromobenzene	12.53	156	12626	1.754	ug/l	95
78) n-propylbenzene	12.59	91	40034	1.327	ug/l	95
79) 2-Chlorotoluene	12.67	91	27970	1.490	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	32075	1.382	ug/l	99
82) 4-Chlorotoluene	12.77	91	22563	1.277	ug/l	95
83) tert-Butylbenzene	12.99	119	33823	1.658	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	28743	1.278	ug/l	94
85) sec-Butylbenzene	13.17	105	37724	1.465	ug/l	98
86) p-Isopropyltoluene	13.29	119	30131	1.299	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	13206	1.136	ug/l	93
88) 1,4-Dichlorobenzene	13.36	146	14127m	1.257	ug/l	
89) n-Butylbenzene	13.62	91	18042	0.989	ug/l	96
90) Hexachloroethane	13.88	117	6717	1.744	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	14165	1.200	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1367	0.980	ug/l	81
93) 1,2,4-Trichlorobenzene	14.91	180	5577	1.093	ug/l	82
94) Hexachlorobutadiene	15.01	225	8425	1.922	ug/l	94
95) Naphthalene	15.13	128	10418	0.795	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	7692	1.479	ug/l	93

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VSTDICC001

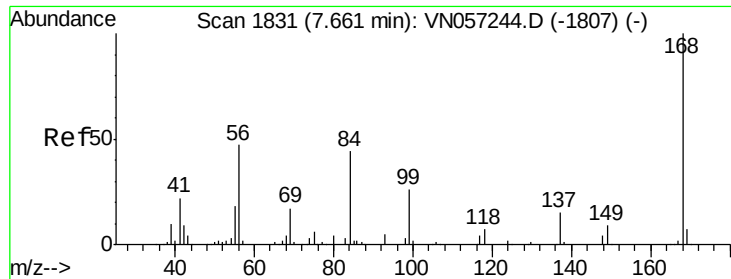
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 1139924

Ion Ratio Lower Upper

168 100

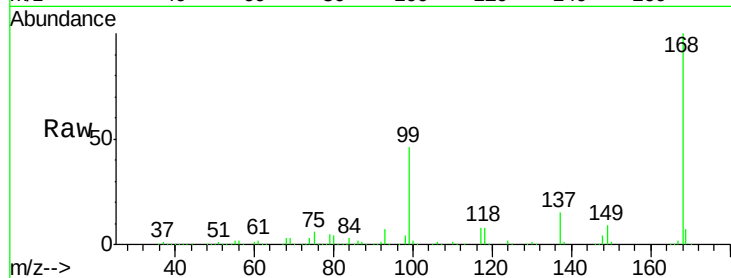
99 46.4 38.6 58.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

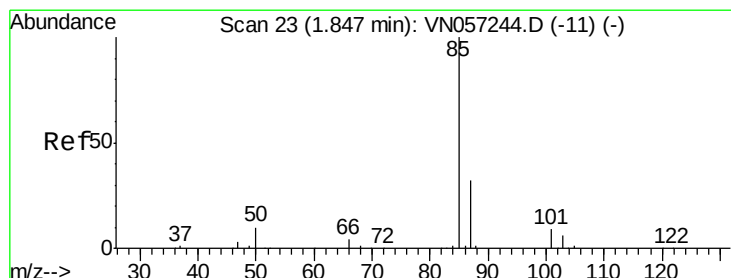
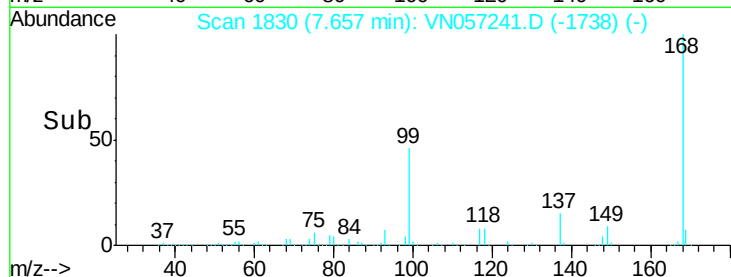
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.985 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057241.D

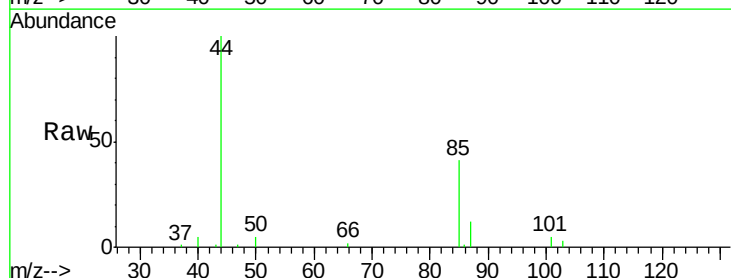
Acq: 13 Aug 2019 11:27

Tgt Ion: 85 Resp: 10455

Ion Ratio Lower Upper

85 100

87 29.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

8000

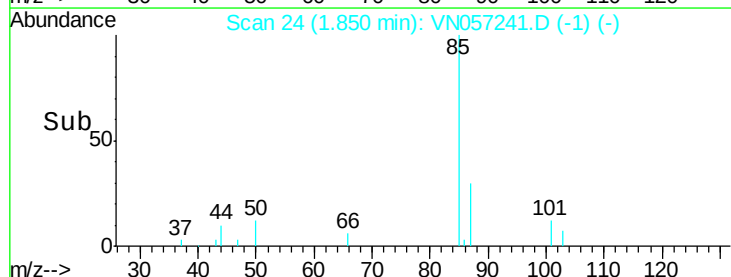
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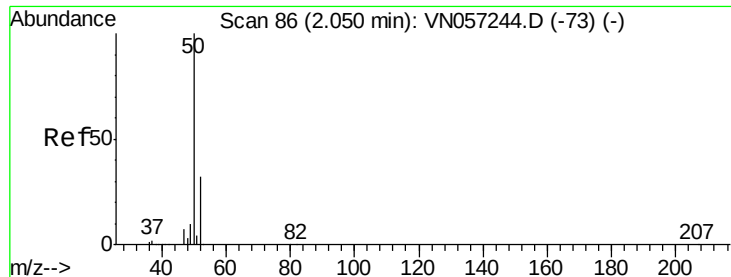
4000

2000

0

Time-->





#3

Chloromethane

Concen: 0.842 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 11776

Ion Ratio Lower Upper

50 100

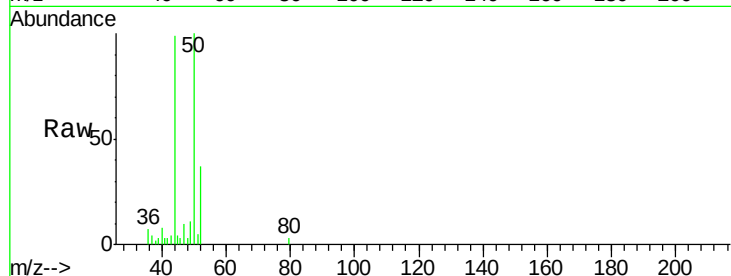
52 37.2 25.6 38.4

Manual Integrations

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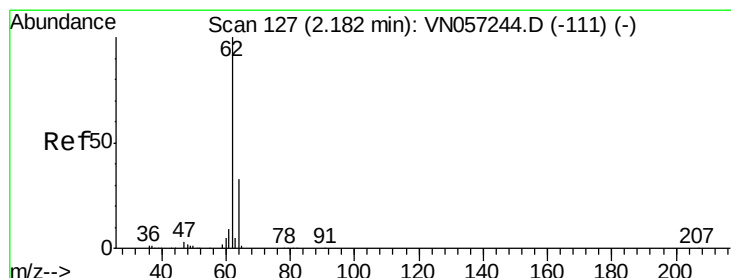
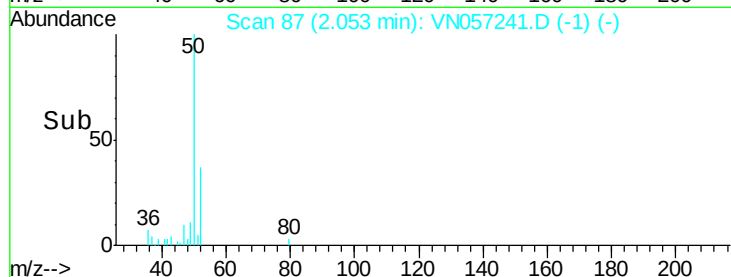
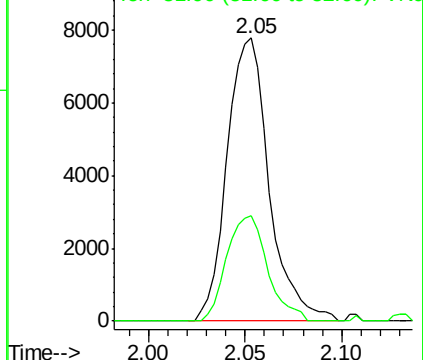
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.789 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057241.D

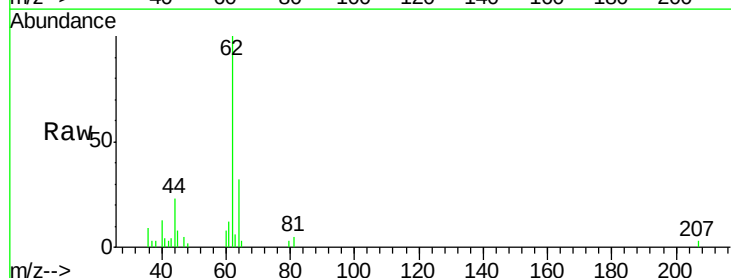
Acq: 13 Aug 2019 11:27

Tgt Ion: 62 Resp: 10617

Ion Ratio Lower Upper

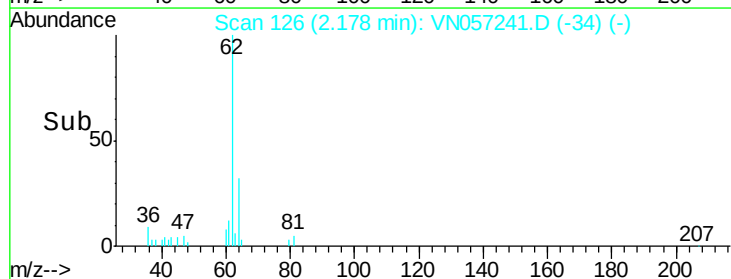
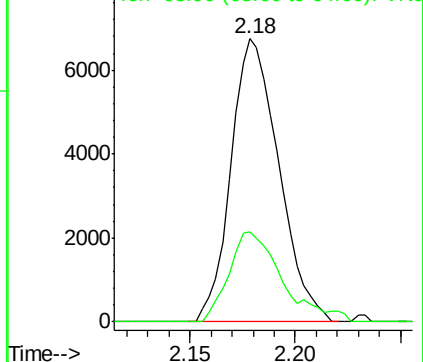
62 100

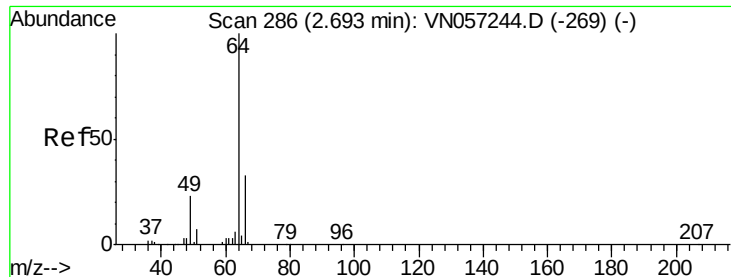
64 31.8 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#6

Chloroethane

Concen: 0.841 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 6735

Ion Ratio Lower Upper

64 100

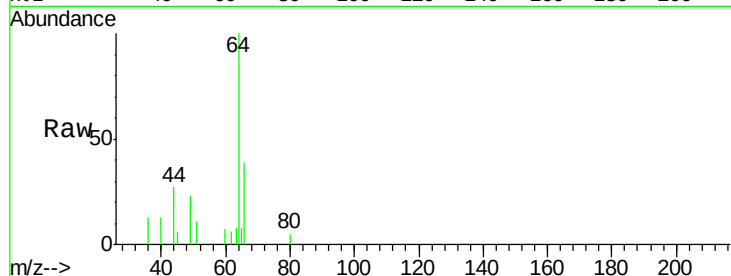
66 38.7 26.3 39.5

Manual Integrations

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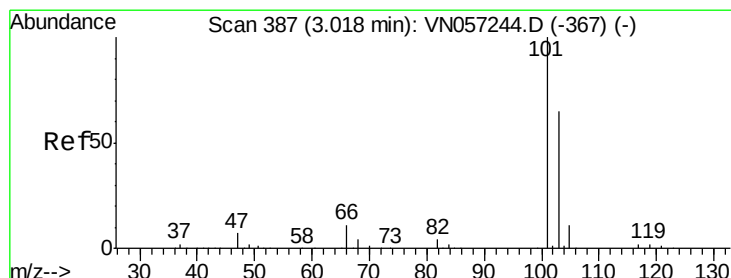
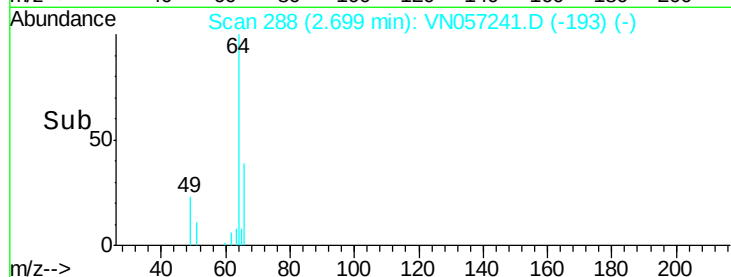
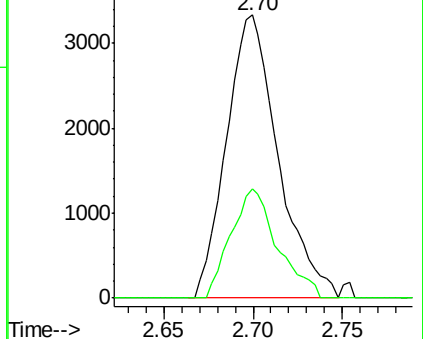
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Abundance Ion 63.90 (63.60 to 64.60): VN057241.D (-269) (-)

Ion 65.90 (65.60 to 66.60): VN057241.D (-269) (-)



#7

Trichlorofluoromethane

Concen: 1.056 ug/l

RT: 3.02 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN057241.D

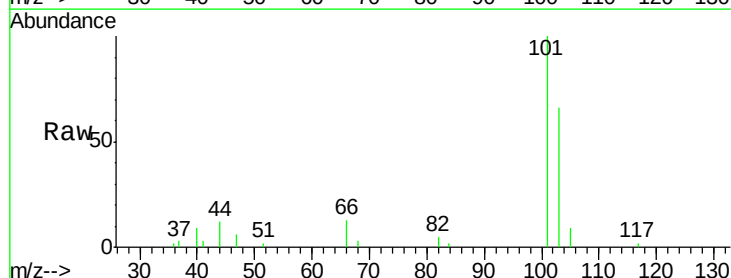
Acq: 13 Aug 2019 11:27

Tgt Ion: 101 Resp: 18745

Ion Ratio Lower Upper

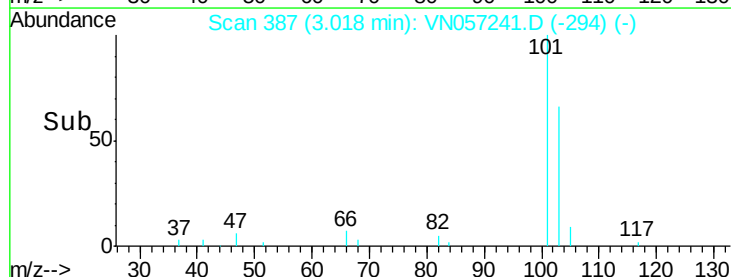
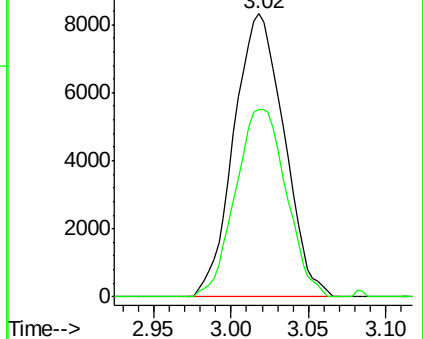
101 100

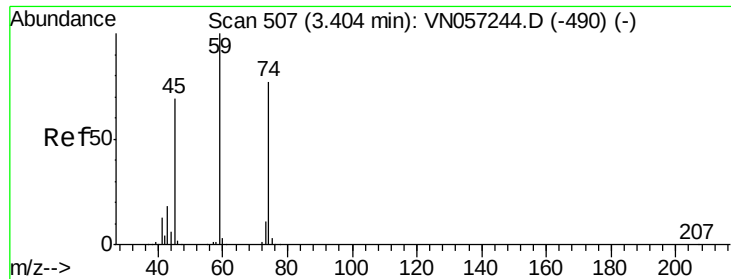
103 66.0 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): VN057241.D (-367) (-)

Ion 102.80 (102.50 to 103.50): VN057241.D (-367) (-)





#8

Diethyl Ether

Concen: 0.884 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

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VSTDIC001

Tot Ion: 74 Resp: 6013

Ion Ratio Lower Upper

74 100

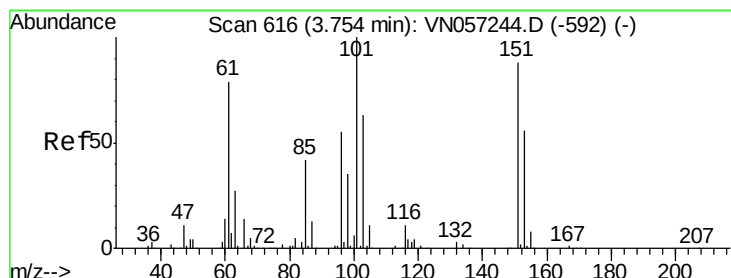
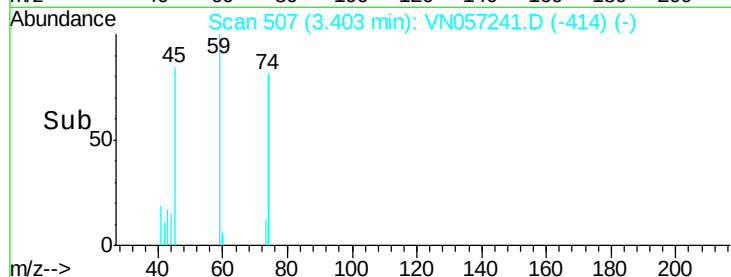
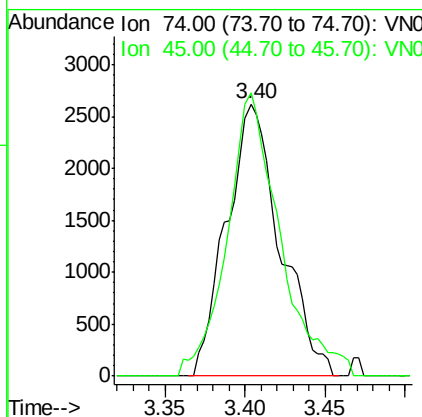
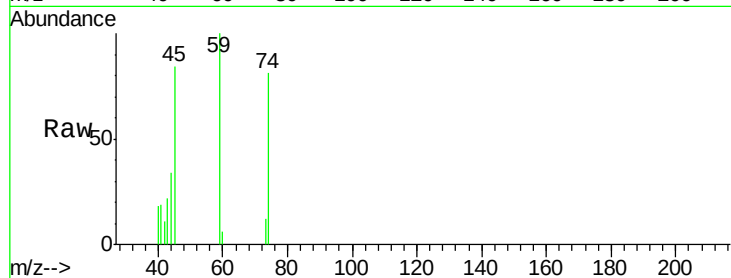
45 102.0 45.1 135.2

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.039 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

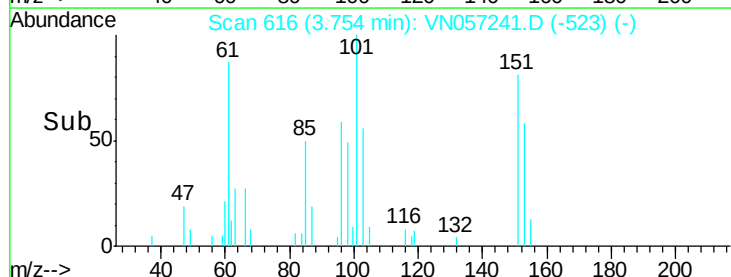
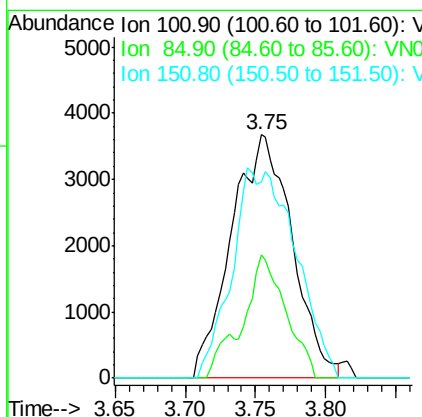
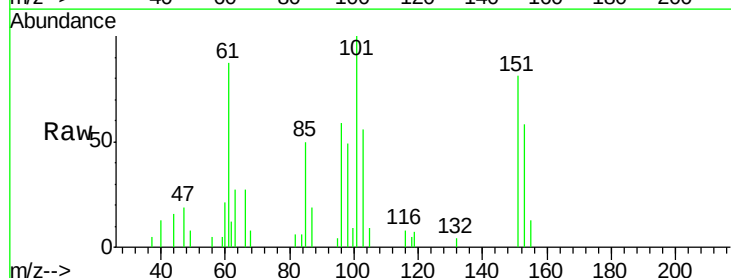
Tgt Ion: 101 Resp: 11042

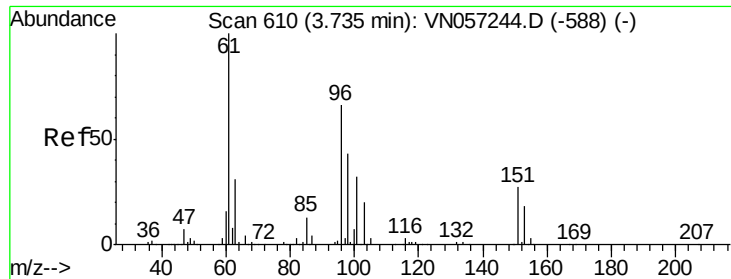
Ion Ratio Lower Upper

101 100

85 30.9 32.7 49.1#

151 37.4 70.1 105.1#





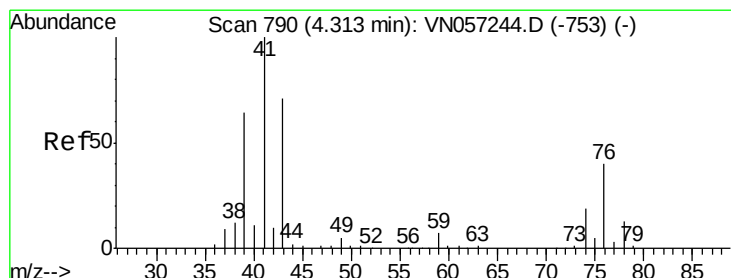
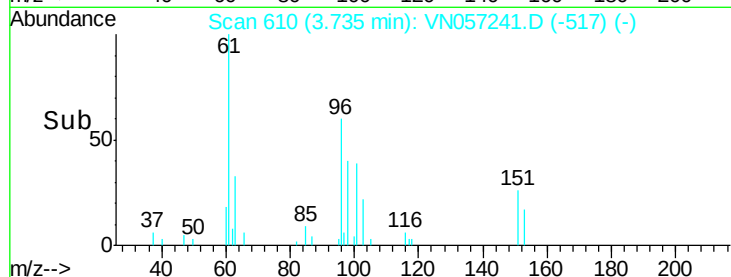
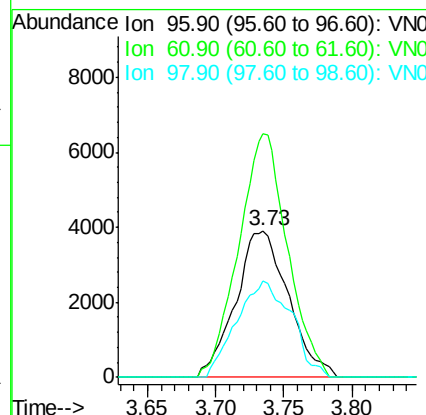
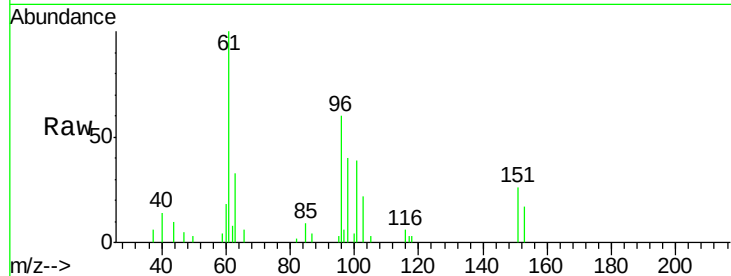
#12
 1,1-Dichloroethene
 Concen: 0.987 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
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 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	166.1	121.1	181.7
98	65.8	52.0	78.0

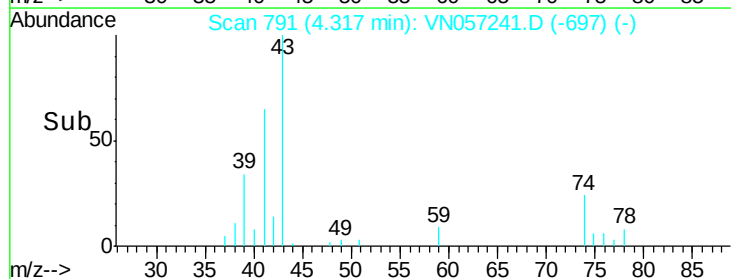
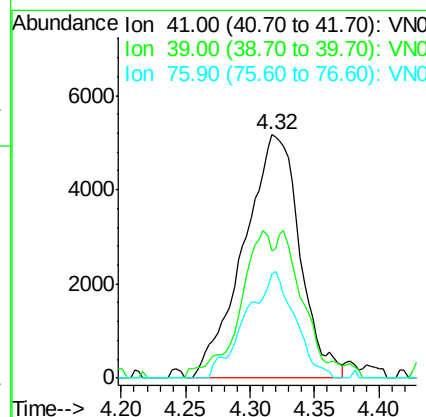
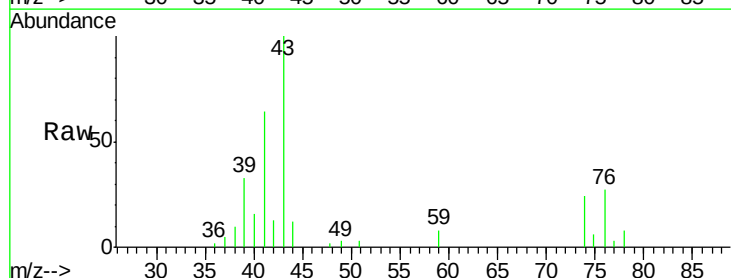
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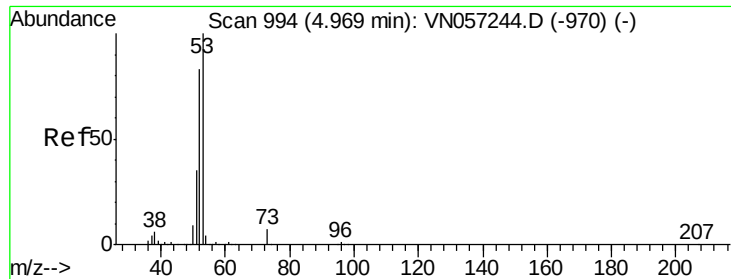
MMDadoda
 8/14/2019 12:29:36 PM



#14
 Allyl chloride
 Concen: 0.871 ug/l
 RT: 4.32 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	33.8	48.5	72.7#
76	37.9	29.8	44.8





#15

Acrylonitrile

Concen: 3.633 ug/l m

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

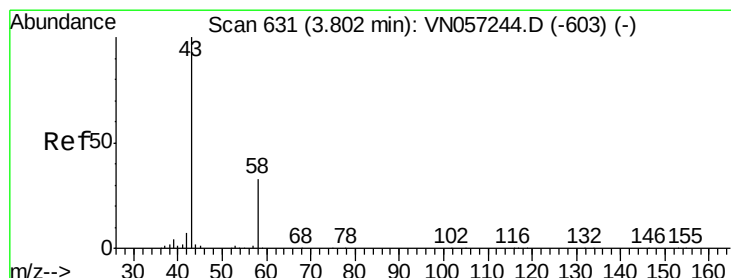
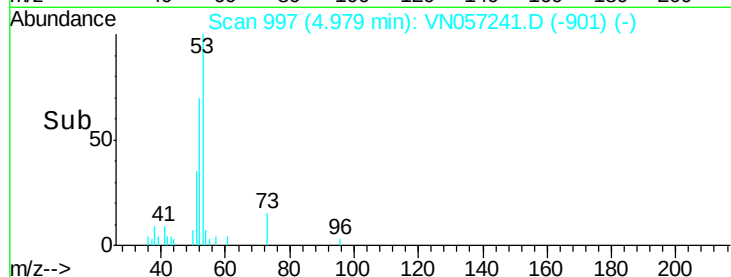
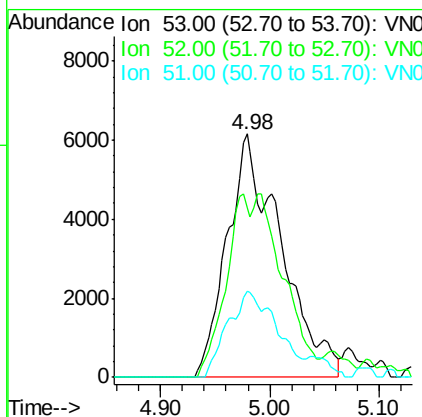
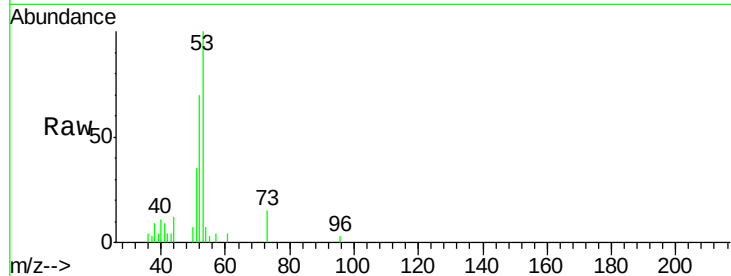
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	21098
Ion Ratio	Lower	Upper	
53	100		
52	34.1	65.9	98.9#
51	32.2	27.8	41.6

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#16

Acetone

Concen: 3.647 ug/l

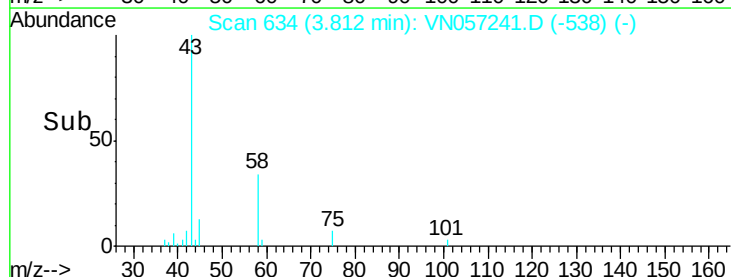
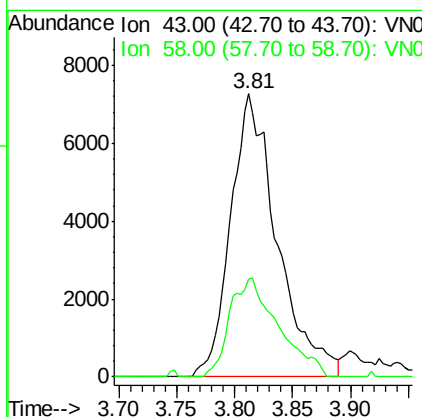
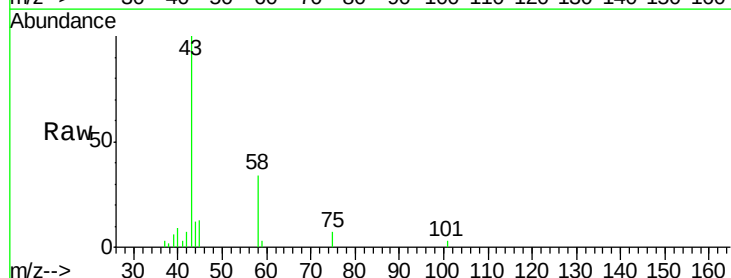
RT: 3.81 min Scan# 634

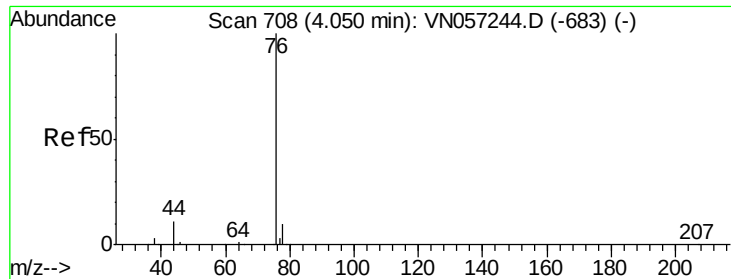
Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	43	Resp:	20223
Ion Ratio	Lower	Upper	
43	100		
58	34.5	26.7	40.1





#17

Carbon Disulfide

Concen: 1.103 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 76 Resp: 31159

Ion Ratio Lower Upper

76 100

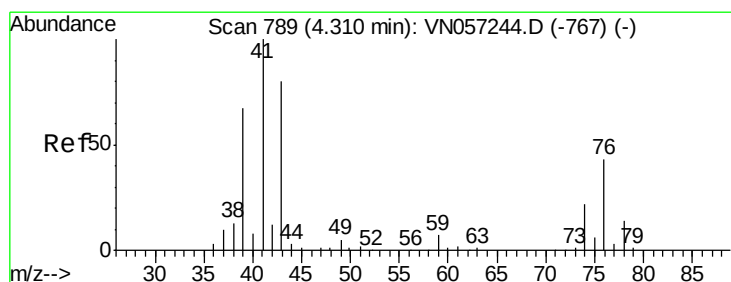
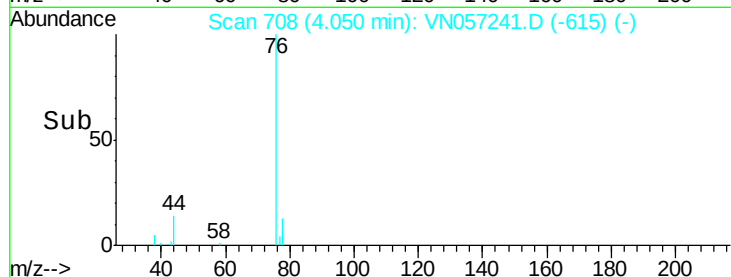
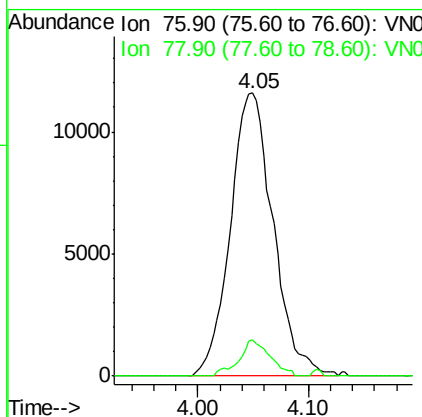
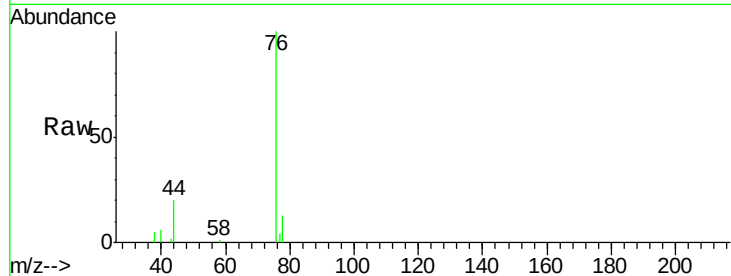
78 12.8 7.7 11.5#

Manual Integrations

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#18

Methyl Acetate

Concen: 1.752 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN057241.D

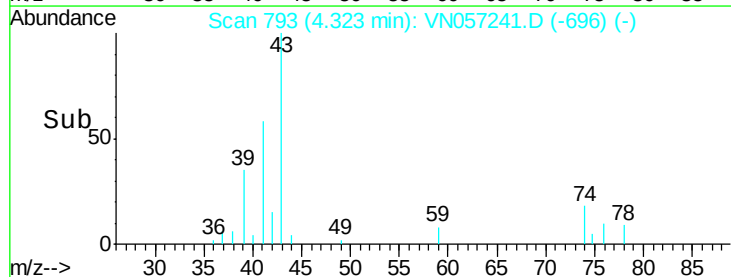
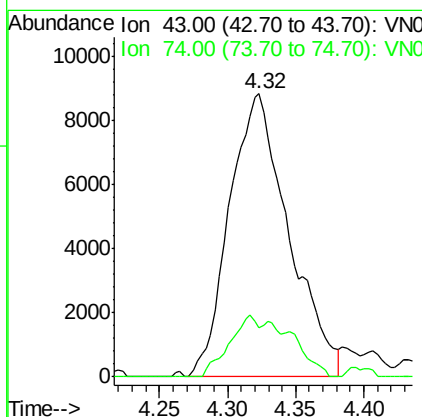
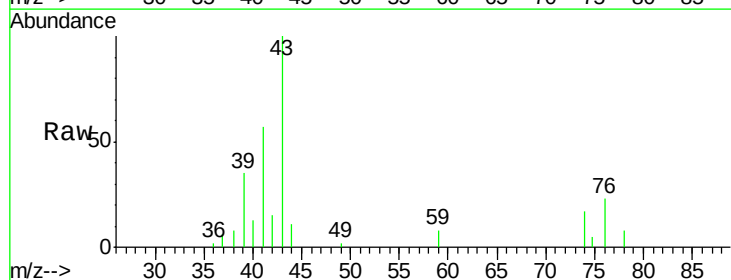
Acq: 13 Aug 2019 11:27

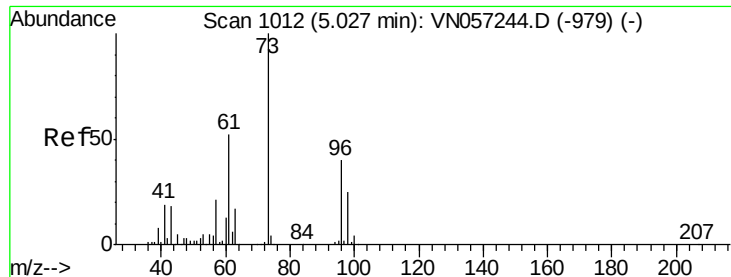
Tgt Ion: 43 Resp: 26603

Ion Ratio Lower Upper

43 100

74 10.6 20.6 31.0#





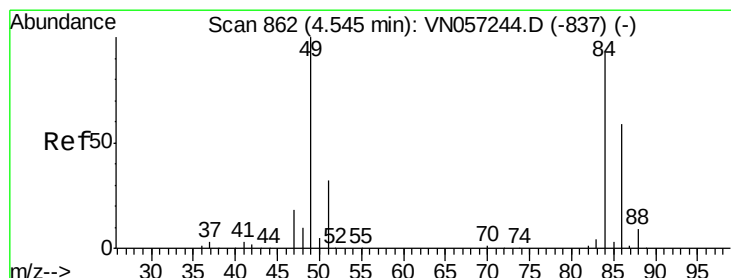
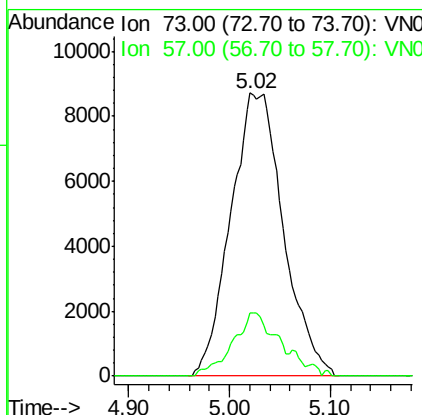
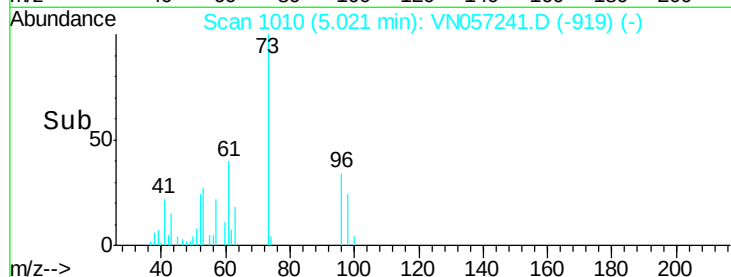
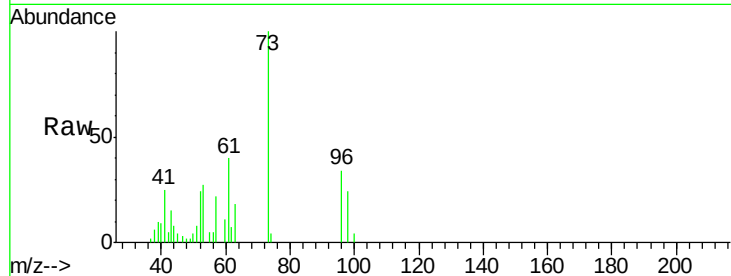
#19
Methyl tert-butyl Ether
Concen: 0.944 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 31670
Ion Ratio Lower Upper
73 100
57 22.3 17.1 25.7

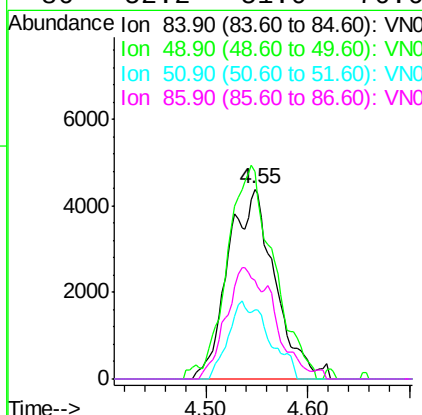
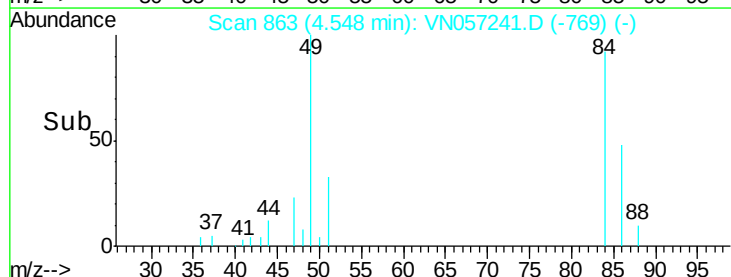
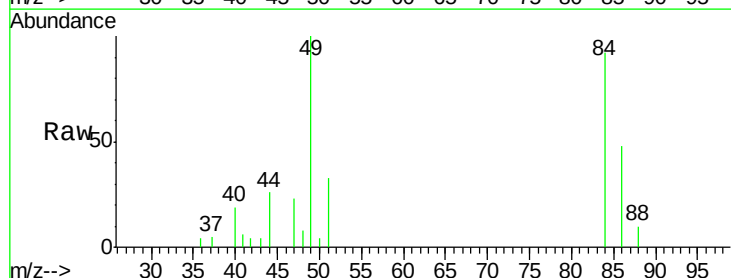
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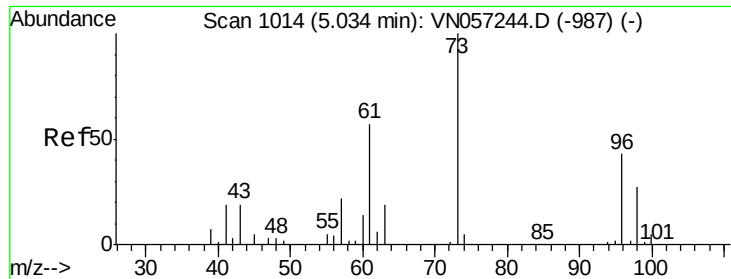
MMDadoda
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#20
Methylene Chloride
Concen: 1.118 ug/l m
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion: 84 Resp: 14018
Ion Ratio Lower Upper
84 100
49 109.0 85.9 128.9
51 36.3 27.1 40.7
86 52.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 1.038 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 96 Resp: 11645

Ion Ratio Lower Upper

96 100

61 101.1 104.6 156.8#

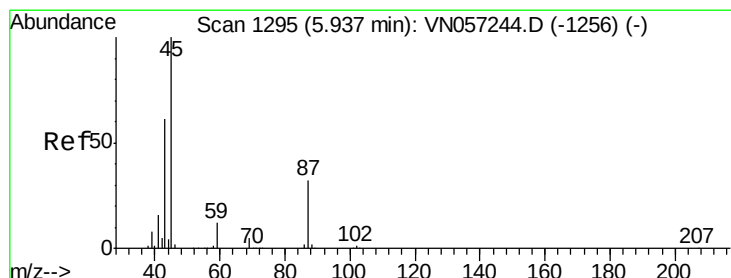
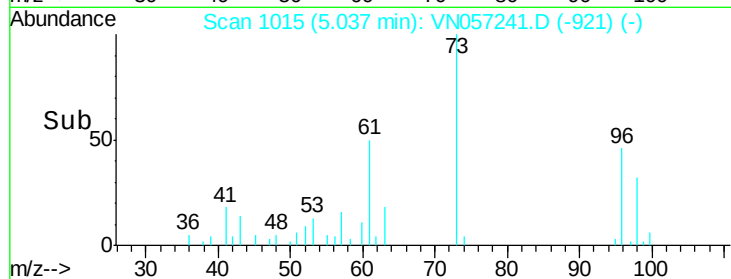
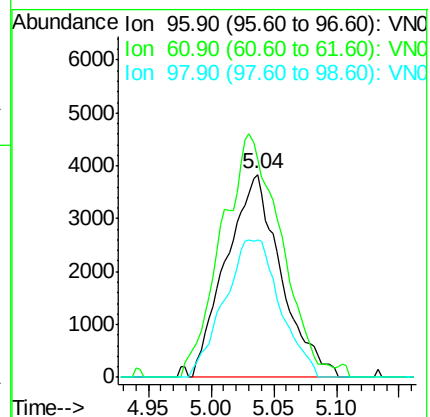
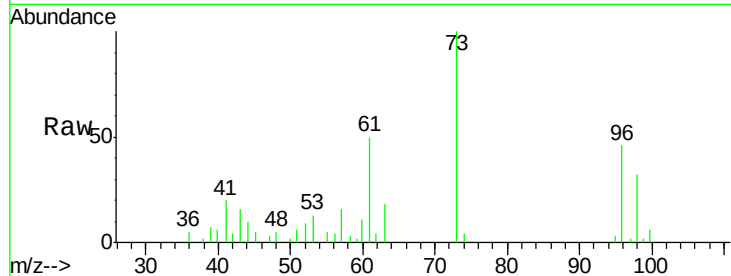
98 67.8 49.7 74.5

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#22

Diisopropyl ether

Concen: 0.901 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion: 45 Resp: 31874

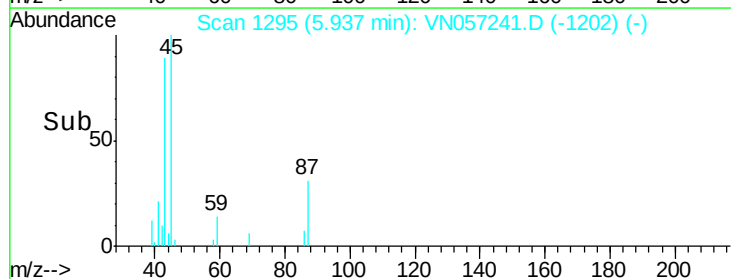
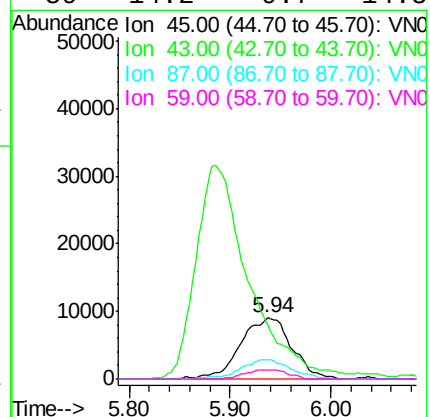
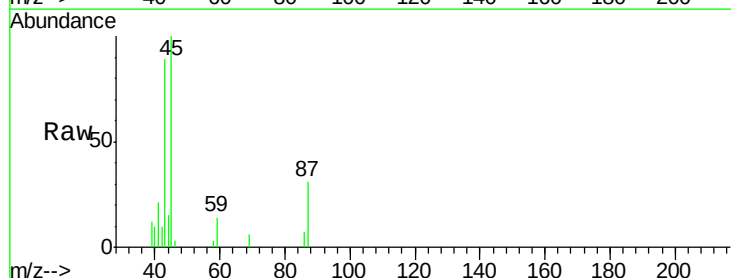
Ion Ratio Lower Upper

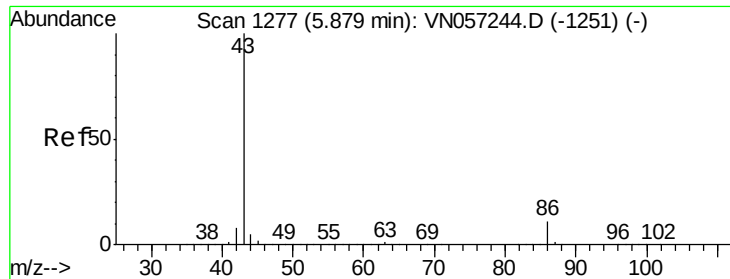
45 100

43 78.7 48.9 73.3#

87 30.7 25.5 38.3

59 14.2 9.7 14.5





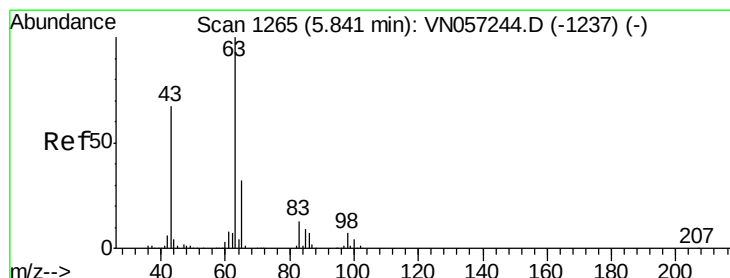
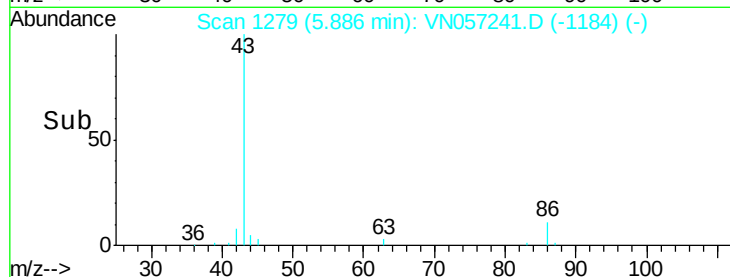
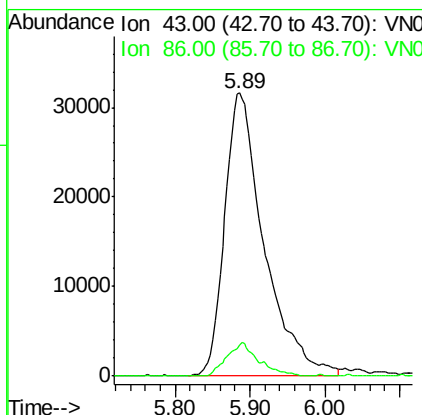
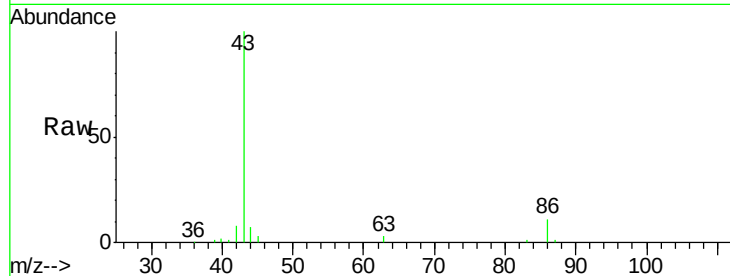
#23
 Vinyl Acetate
 Concen: 4.051 ug/l
 RT: 5.89 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	115730
Ion Ratio	Lower	Upper	
43	100		
86	10.9	9.2	13.8

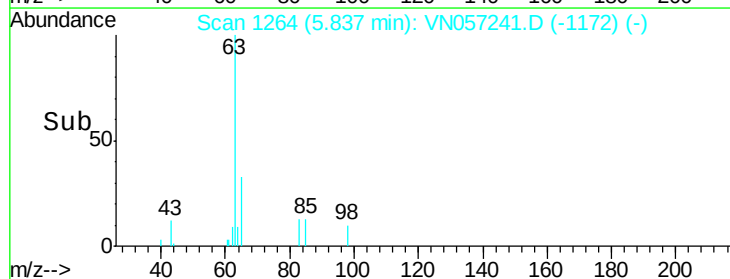
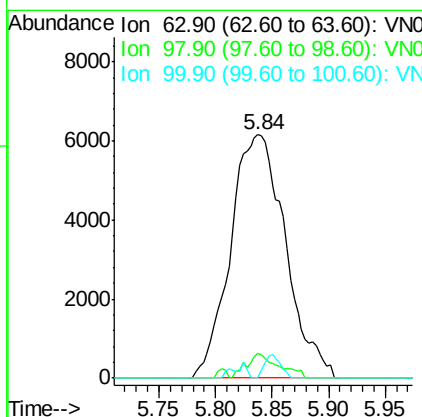
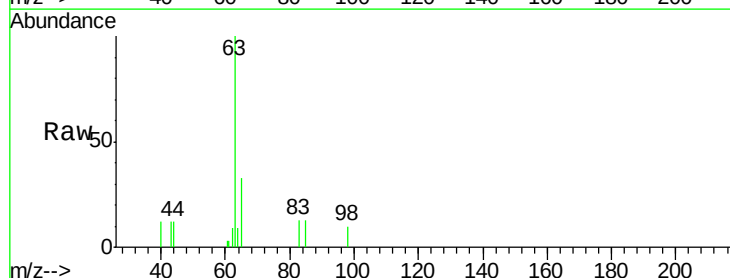
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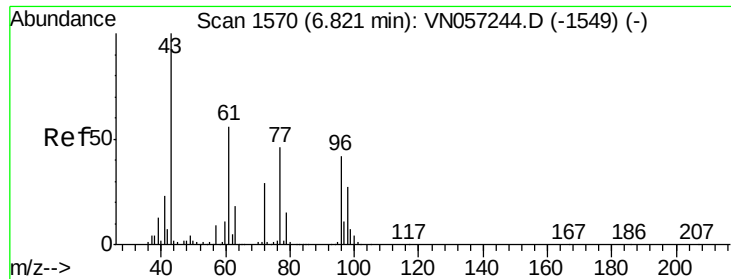
MMDadoda
 8/14/2019 12:29:36 PM



#24
 1,1-Dichloroethane
 Concen: 0.991 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	63	Resp	20665
Ion Ratio	Lower	Upper	
63	100		
98	10.1	3.3	9.9#
100	0.0	2.1	6.2#





#25

2-Butanone

Concen: 3.303 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 43 Resp: 26596

Ion Ratio Lower Upper

43 100

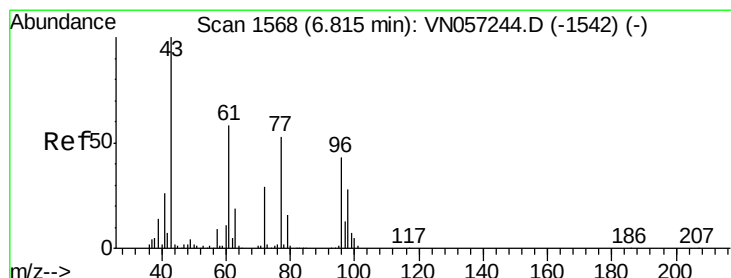
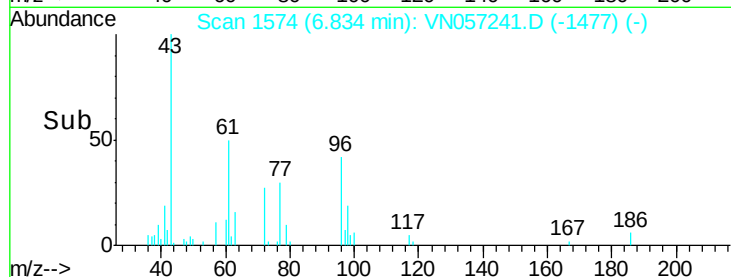
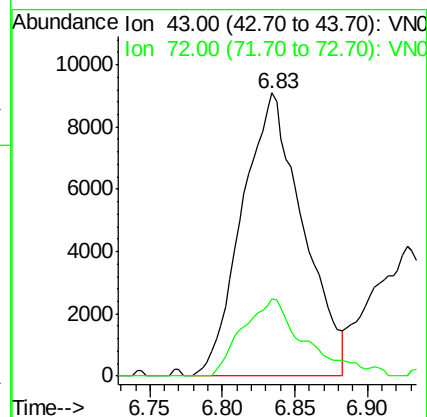
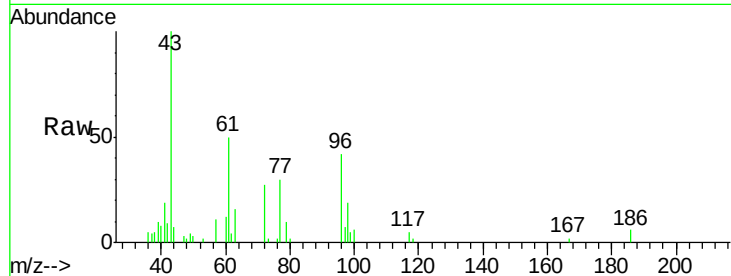
72 27.5 23.1 34.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 1.001 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN057241.D

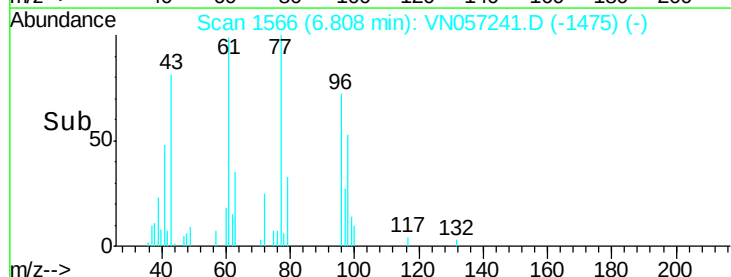
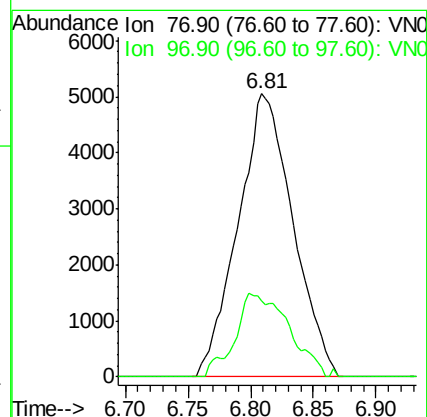
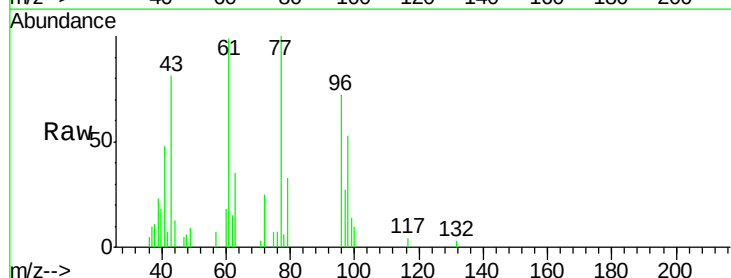
Acq: 13 Aug 2019 11:27

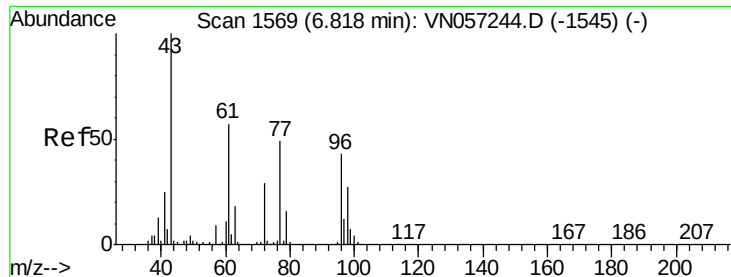
Tgt Ion: 77 Resp: 15396

Ion Ratio Lower Upper

77 100

97 28.7 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 1.004 ug/l m

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

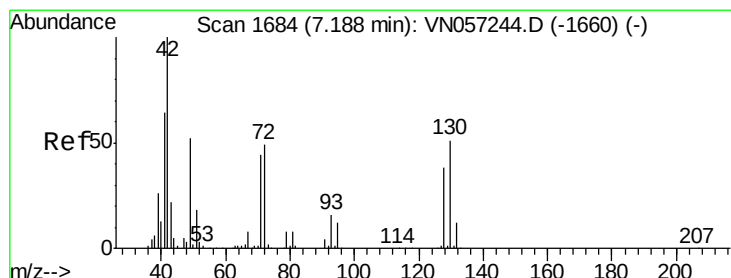
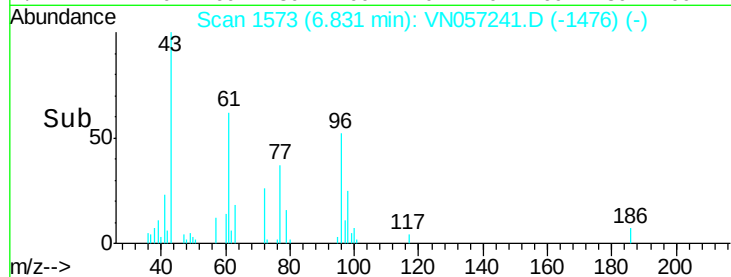
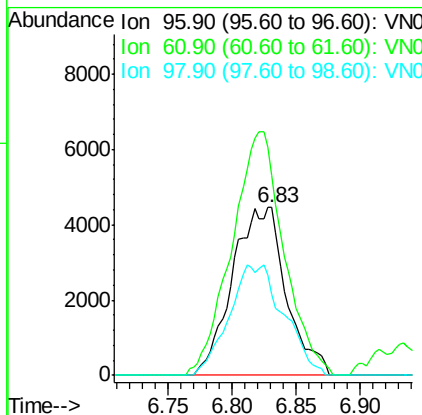
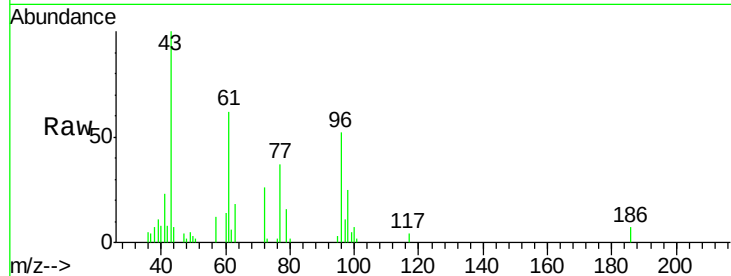
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	12973
Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	271.0
98	33.8	0.0	129.2

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#28

Bromochloromethane

Concen: 0.887 ug/l

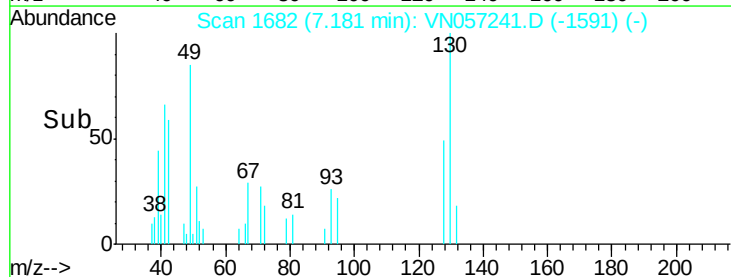
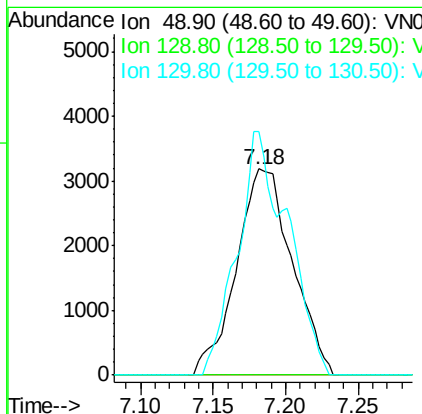
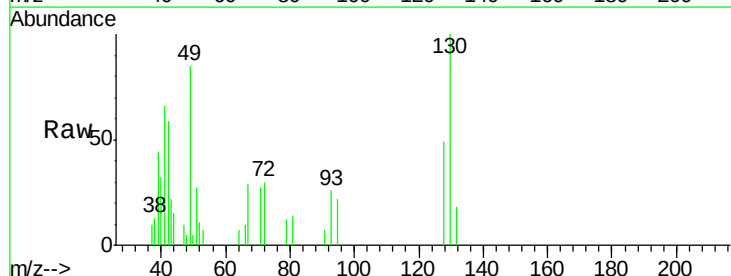
RT: 7.18 min Scan# 1682

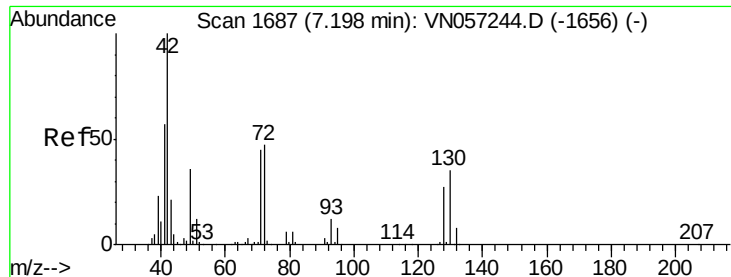
Delta R.T. -0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	49	Resp:	8539
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.0
130	74.9	75.6	113.4#





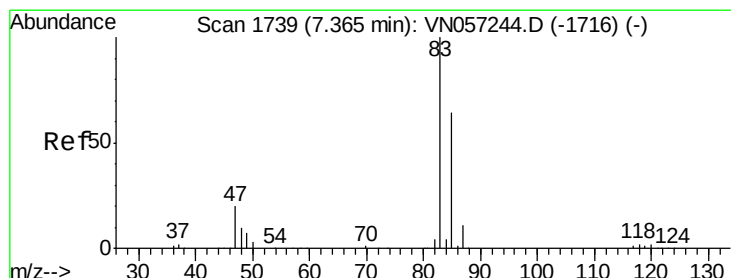
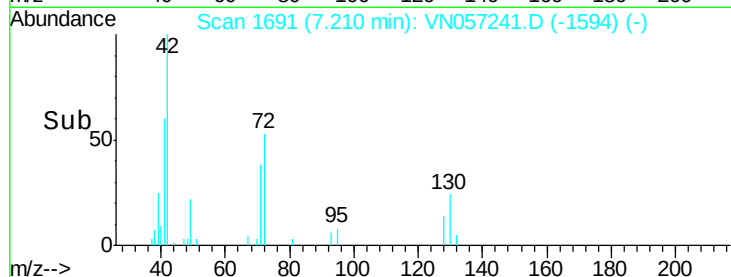
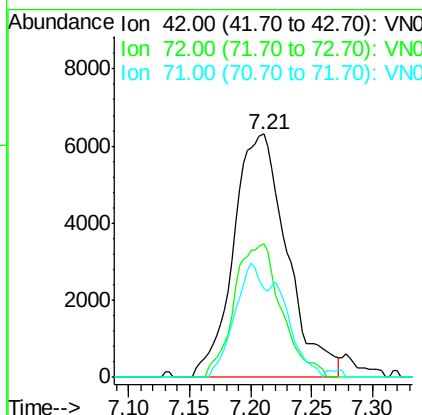
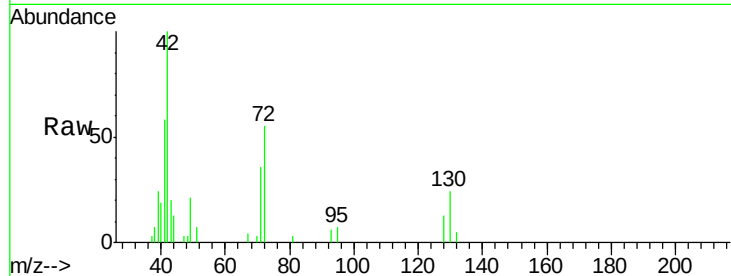
#29
Tetrahydrofuran
Concen: 3.670 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.3	37.6	56.4
71	26.3	35.6	53.4#

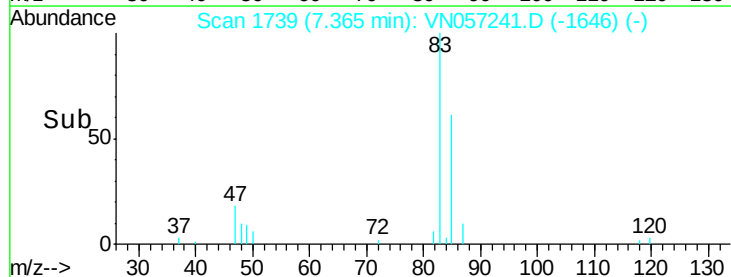
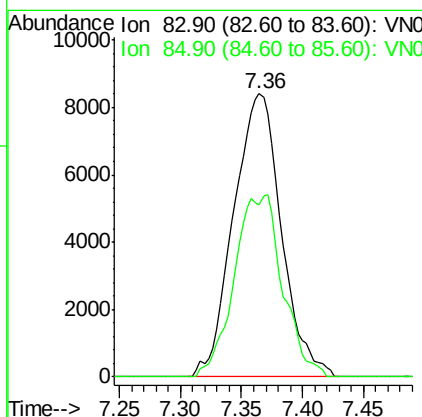
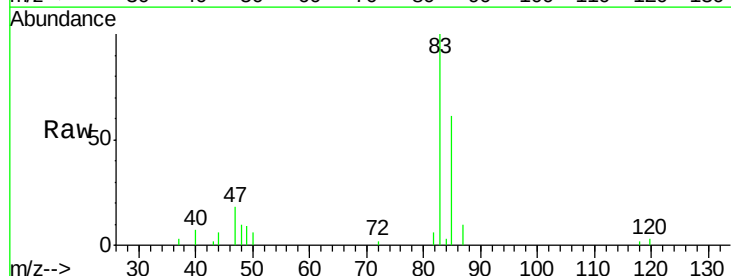
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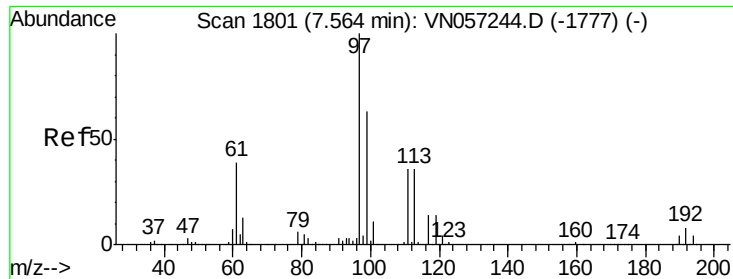
MMDadoda
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#30
Chloroform
Concen: 1.085 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.3	76.9





#32

1,1,1-Trichloroethane

Concen: 0.994 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 97 Resp: 16696

Ion Ratio Lower Upper

97 100

99 0.0 51.7 77.5#

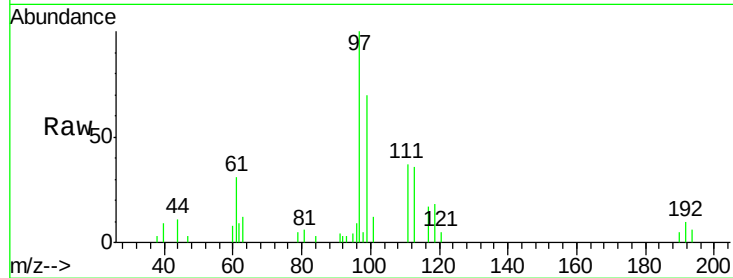
61 38.8 32.1 48.1

Manual Integrations

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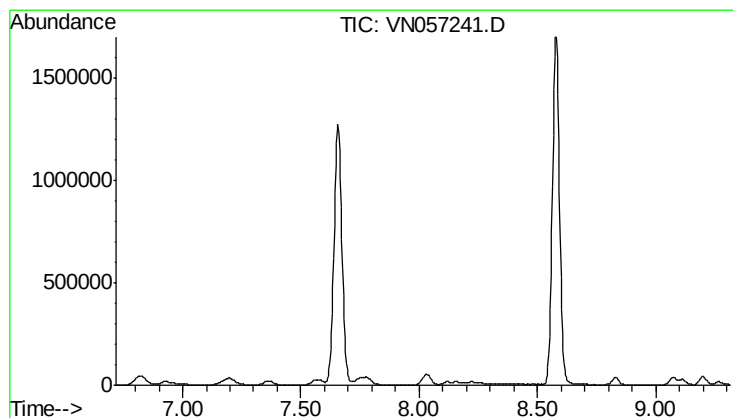
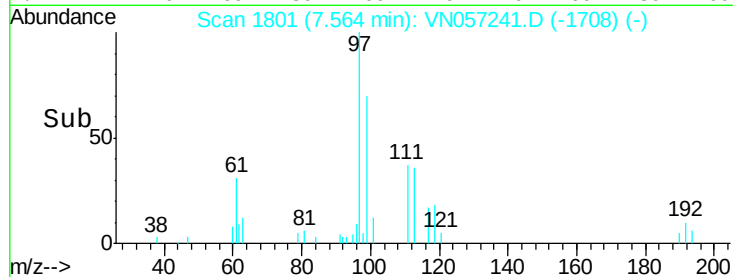
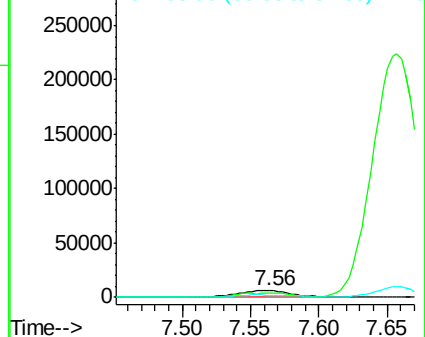


Abundance

Ion 96.90 (96.60 to 97.60): VN057241.D

Ion 98.90 (98.60 to 99.60): VN057241.D

Ion 60.90 (60.60 to 61.60): VN057241.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.02 min

Lab File: VN057241.D

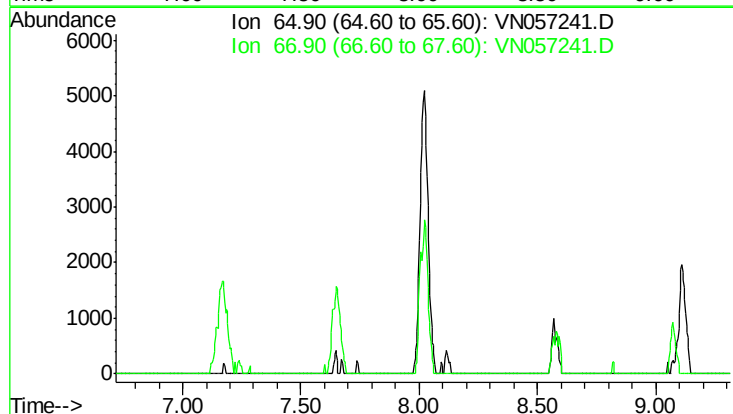
Acq: 13 Aug 2019 11:27

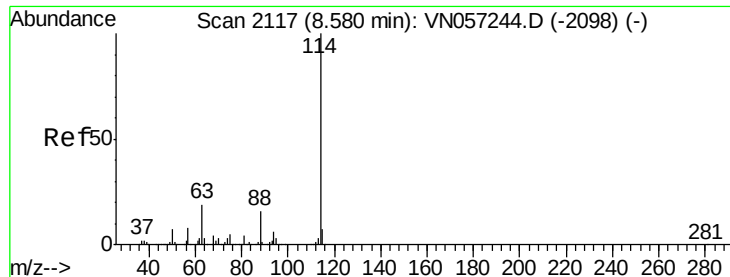
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.5





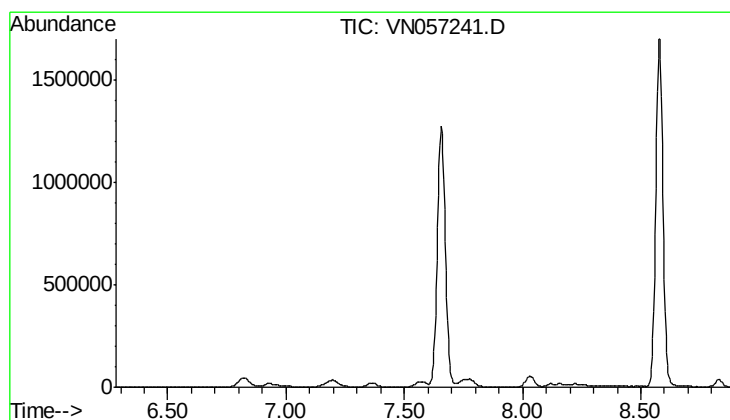
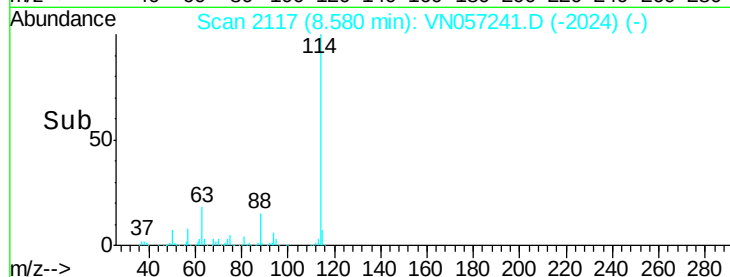
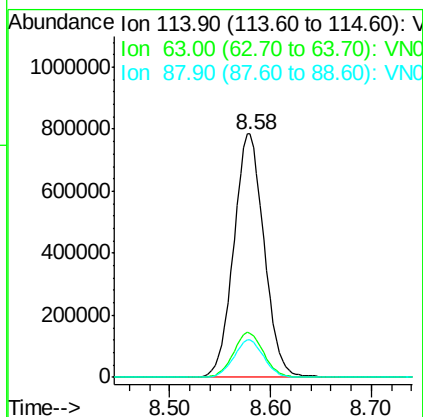
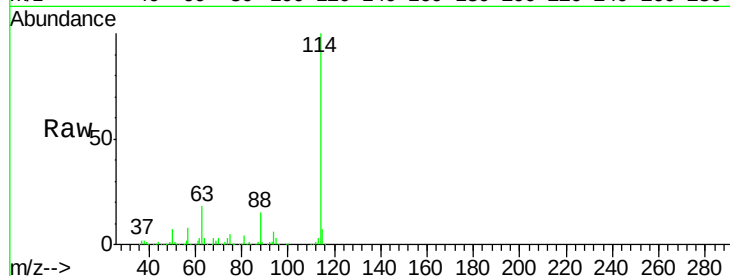
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		1638665		
63	18.2	0.0		37.0	
88	15.4	0.0		31.0	

Manual Integrations
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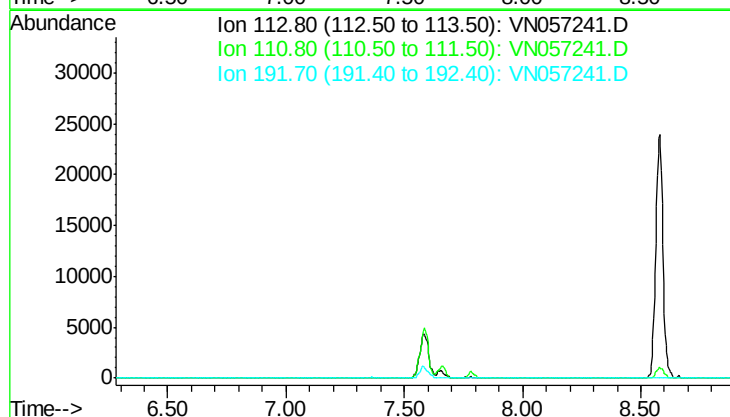
MMDadoda
 8/14/2019 12:29:36 PM

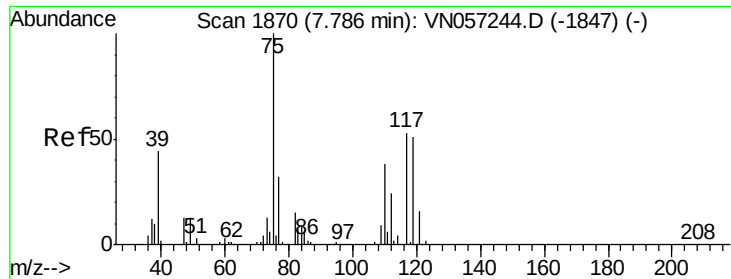


#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.58 min

Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Sig	Exp Ratio
113	100	
111	101.8	
192	23.5	





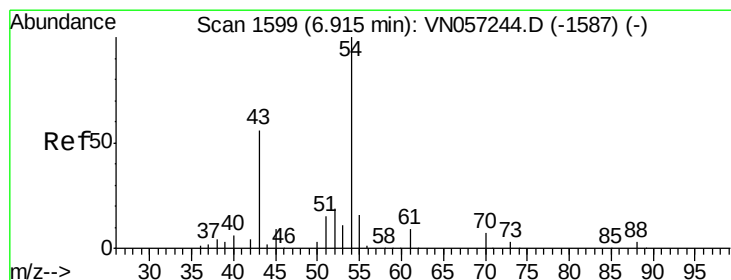
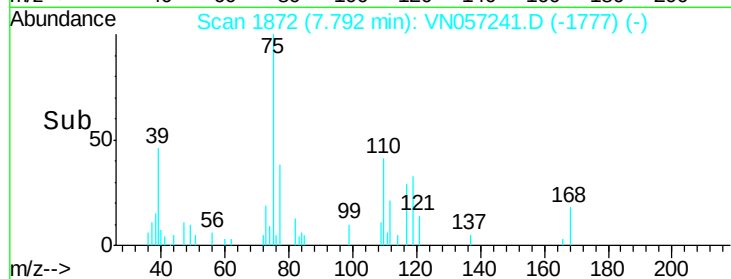
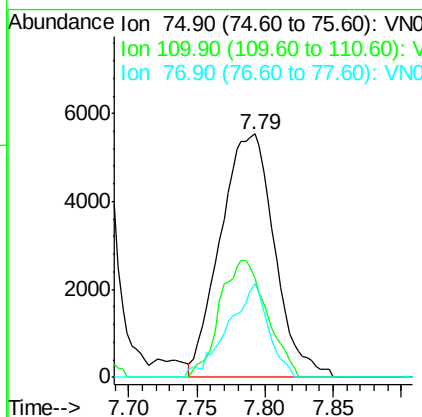
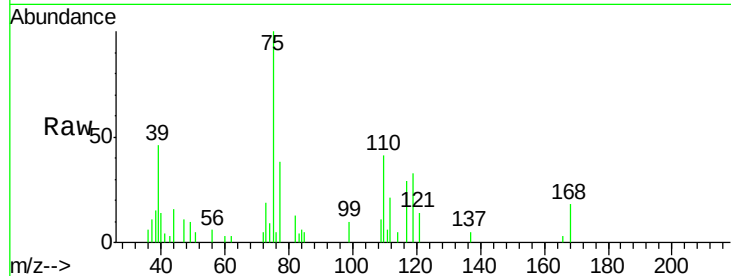
#36
 1,1-Dichloropropene
 Concen: 1.009 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.01 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	41.4	19.1	57.1
77	28.7	25.2	37.8

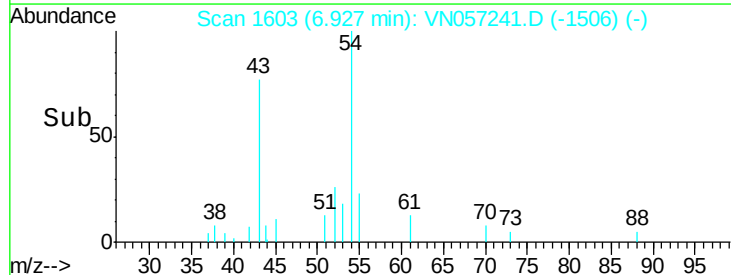
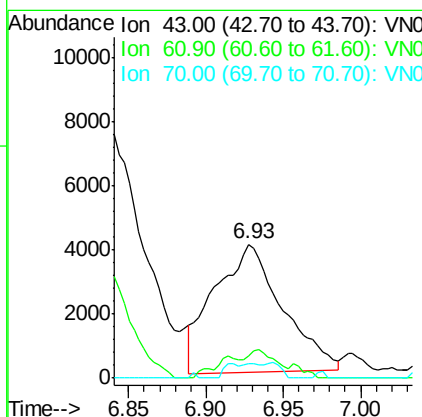
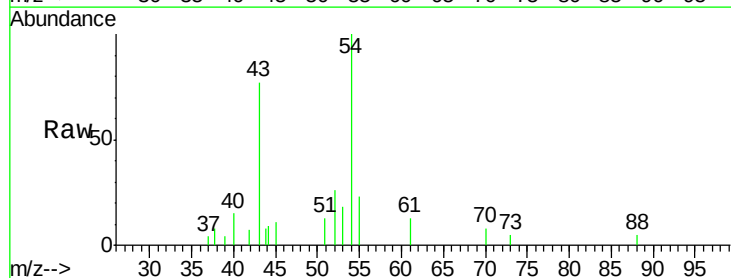
Manual Integrations
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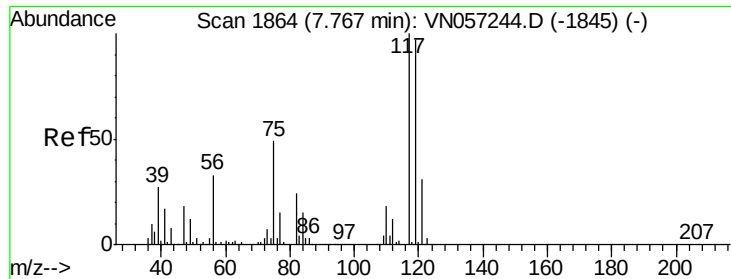
MMDadoda
 8/14/2019 12:29:36 PM



#37
 Ethyl Acetate
 Concen: 0.859 ug/l
 RT: 6.93 min Scan# 1603
 Delta R.T. 0.01 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
43	100		
61	5.6	12.7	19.1#
70	0.0	9.0	13.4#





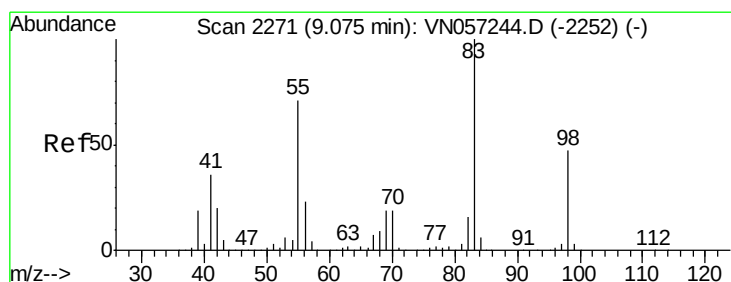
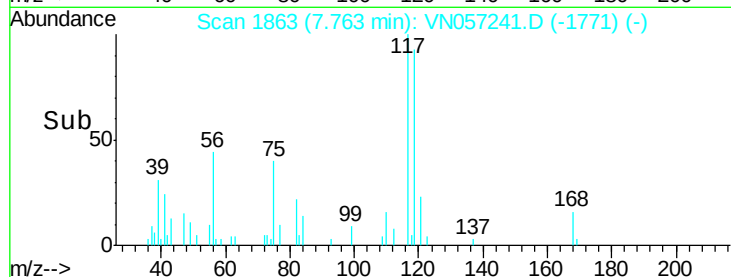
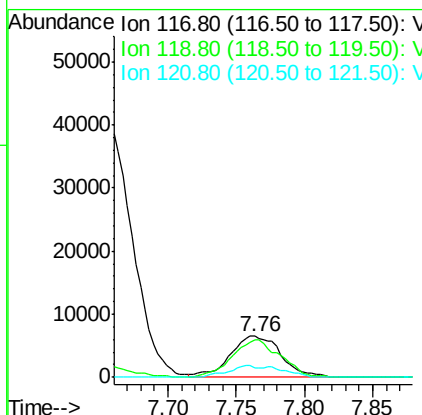
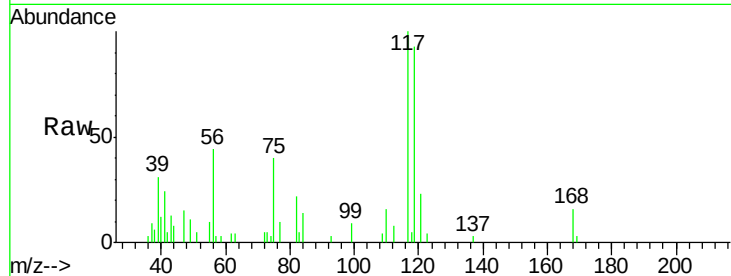
#38
Carbon Tetrachloride
Concen: 1.177 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.8	116.6
121	23.3	24.9	37.3#

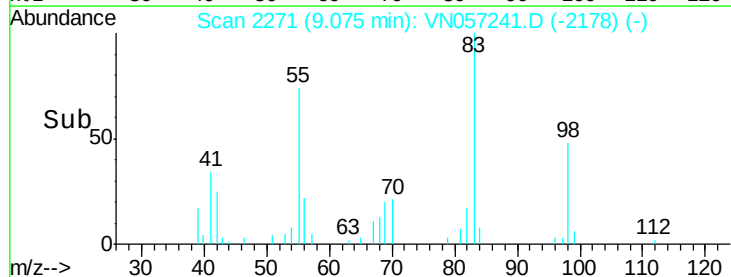
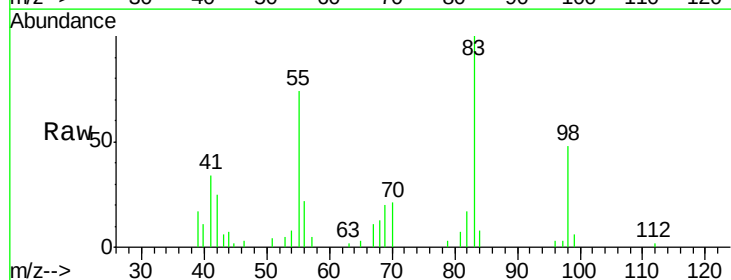
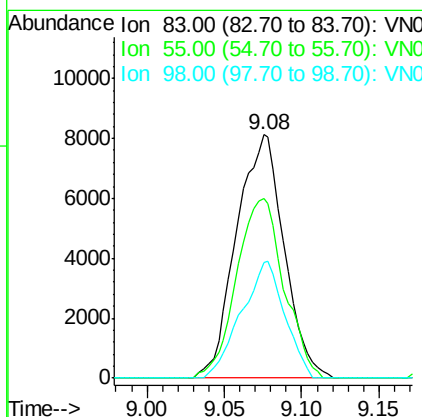
Manual Integrations
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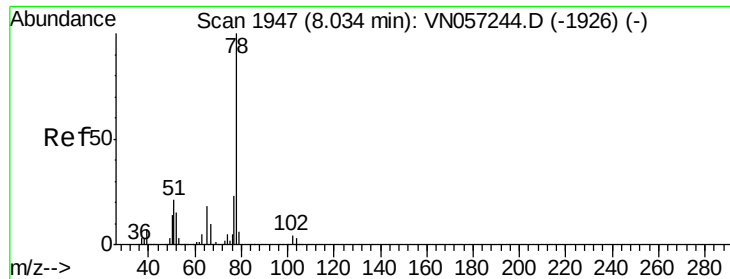
MMDadoda
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#39
Methylcyclohexane
Concen: 0.938 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.9	57.0	85.4
98	47.7	37.2	55.8





#40

Benzene

Concen: 1.028 ug/l

RT: 8.03 min Scan# 1947

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 47427

Ion Ratio Lower Upper

78 100

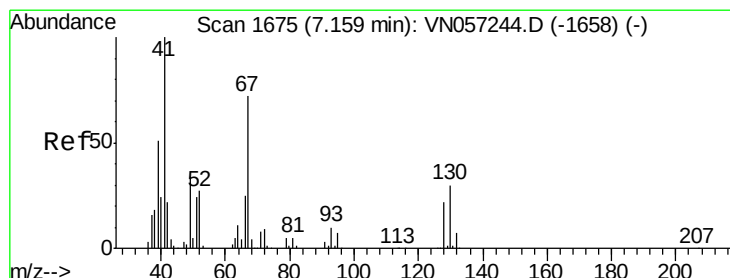
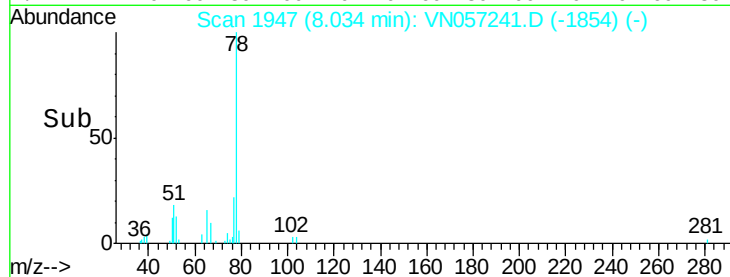
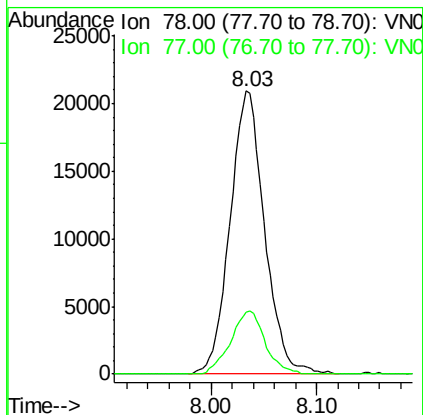
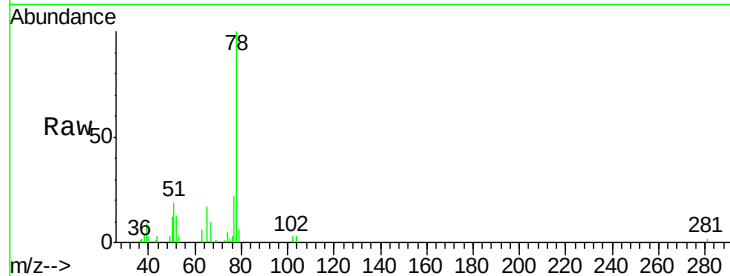
77 21.9 18.2 27.4

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.746 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.01 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion: 41 Resp: 4637

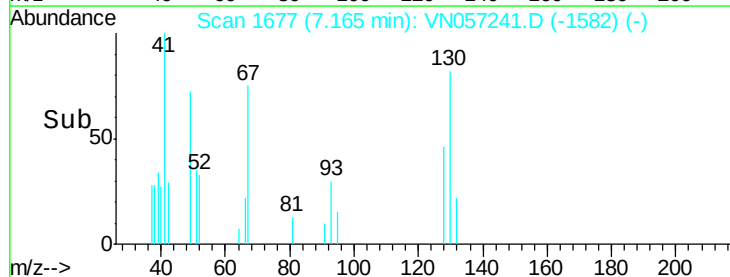
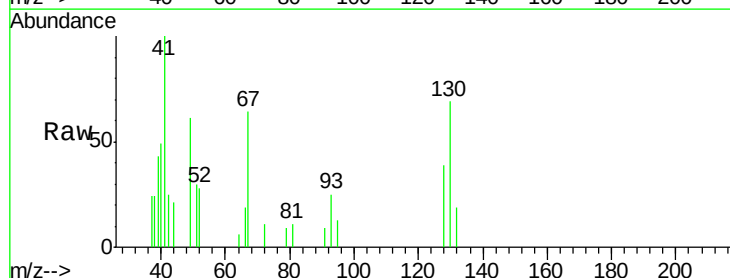
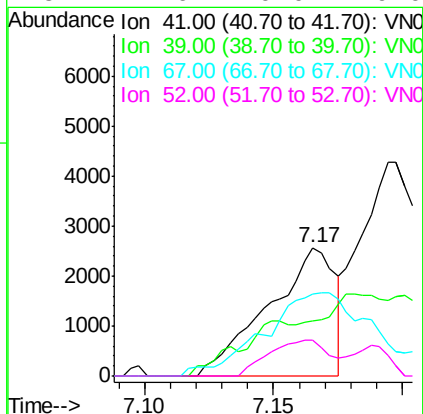
Ion Ratio Lower Upper

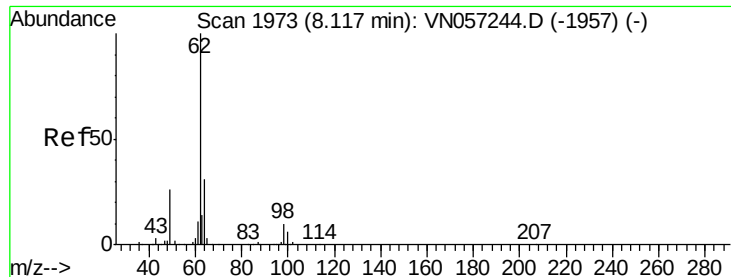
41 100

39 36.9 0.0 0.0#

67 105.9 0.0 0.0#

52 24.6 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 0.973 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

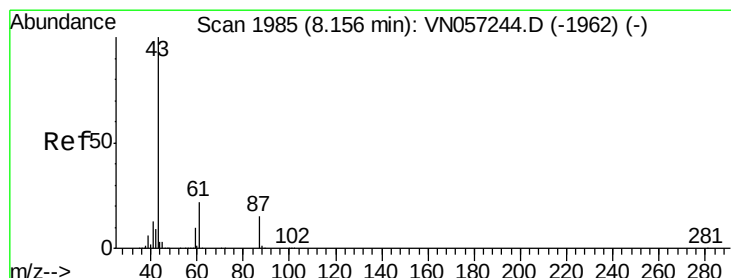
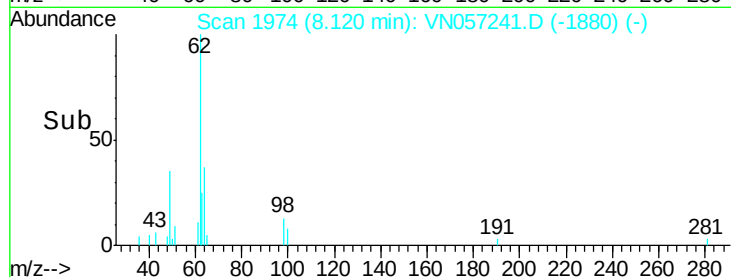
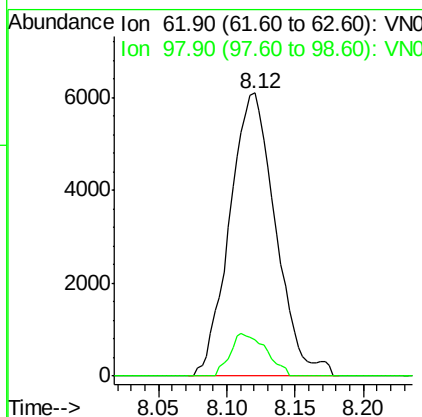
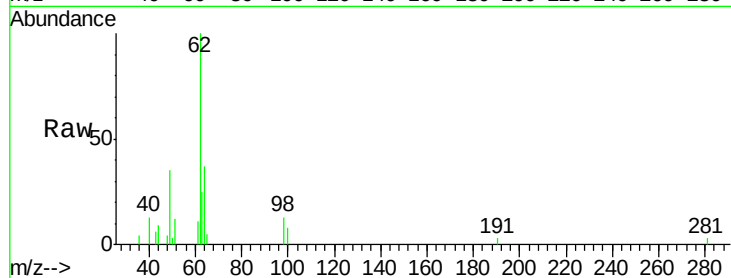
ClientSampleId :

VSTDIC001

Tot Ion:	62	Resp:	14245
Ion Ratio	Lower	Upper	
62	100		
98	11.7	0.0	20.0

Manual Integrations
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#43

Isopropyl Acetate

Concen: 0.730 ug/l

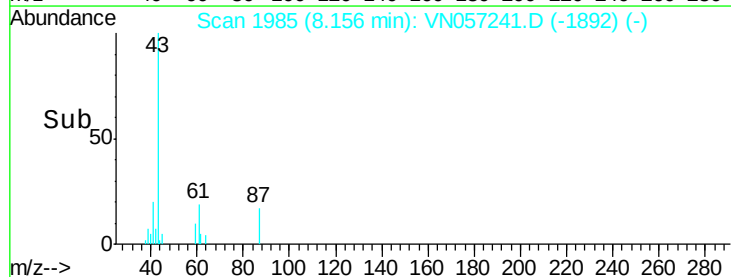
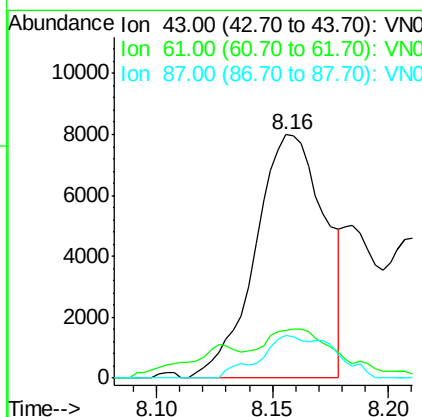
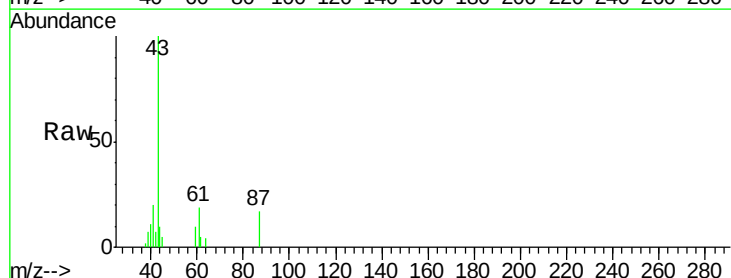
RT: 8.16 min Scan# 1985

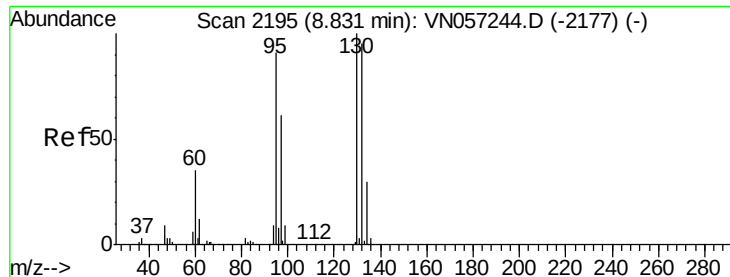
Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	43	Resp:	16636
Ion Ratio	Lower	Upper	
43	100		
61	22.1	23.5	35.3#
87	18.7	12.1	18.1#





#44

Trichloroethene

Concen: 1.092 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 13849

Ion Ratio Lower Upper

130 100

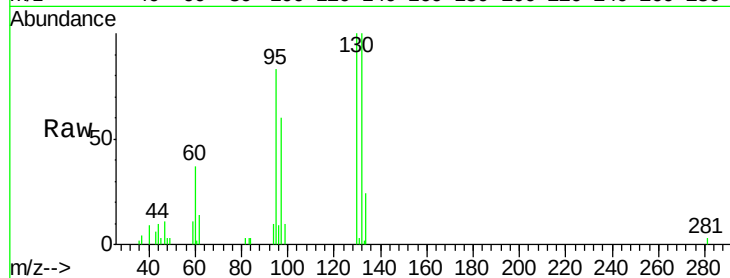
95 83.2 0.0 181.8

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.83

8000

6000

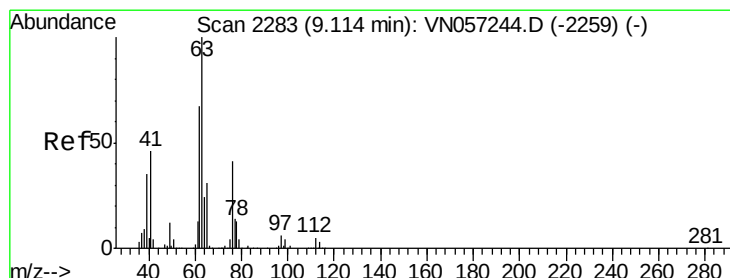
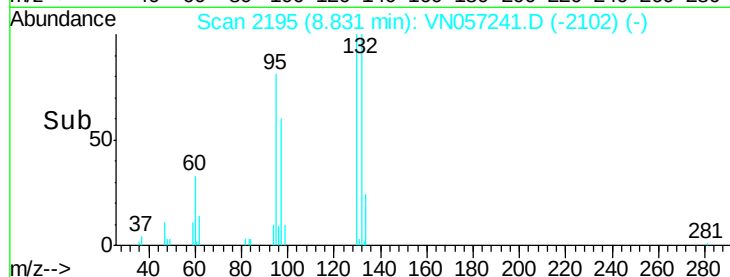
4000

2000

0

8.75 8.80 8.85 8.90

Time-->



#45

1,2-Dichloropropane

Concen: 0.938 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057241.D

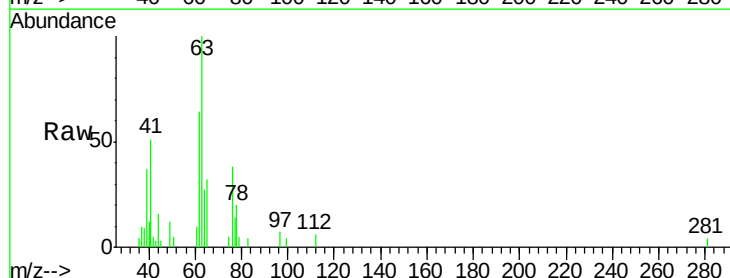
Acq: 13 Aug 2019 11:27

Tgt Ion: 63 Resp: 11392

Ion Ratio Lower Upper

63 100

65 32.2 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

9.11

6000

5000

4000

3000

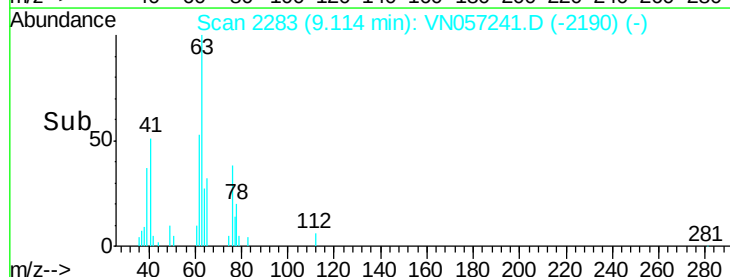
2000

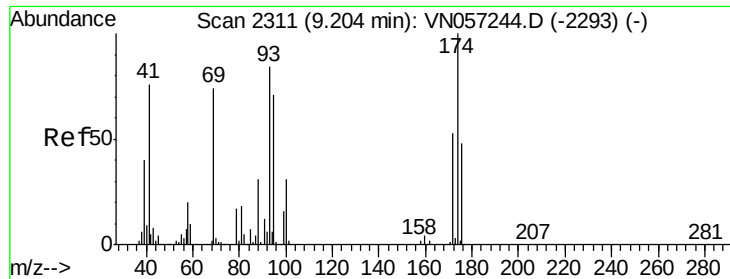
1000

0

9.05 9.10 9.15 9.20

Time-->





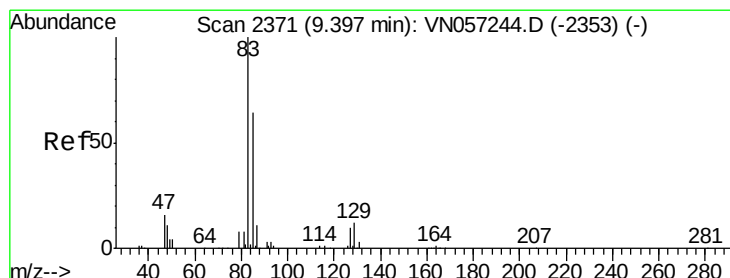
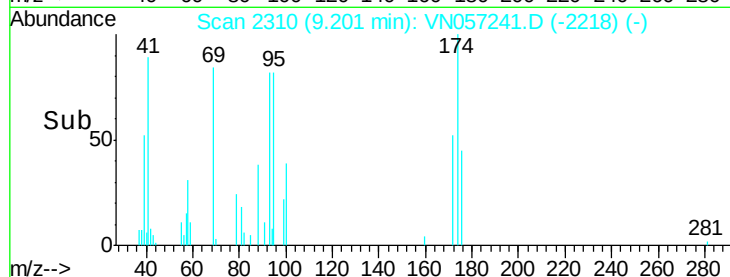
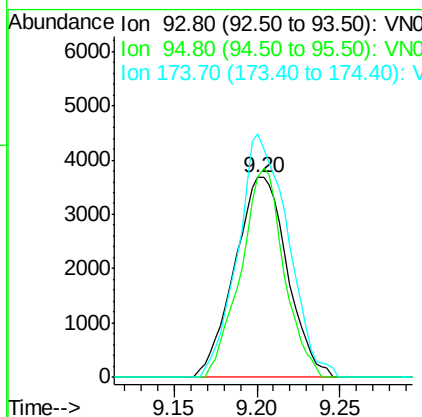
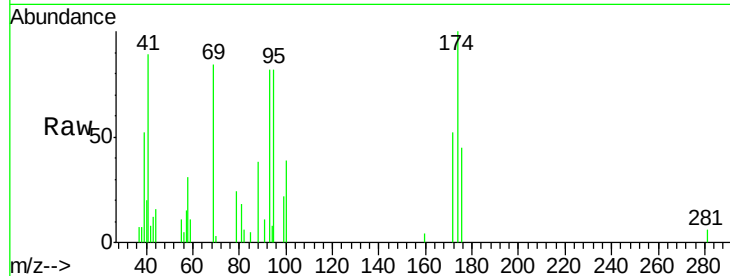
#46
Dibromomethane
Concen: 1.069 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		8146		
95	85.1	67.0	100.4		
174	115.2	96.2	144.2		

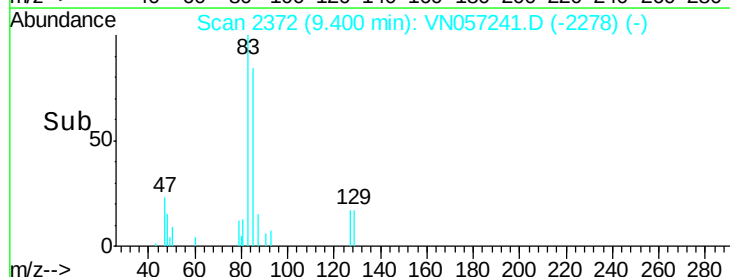
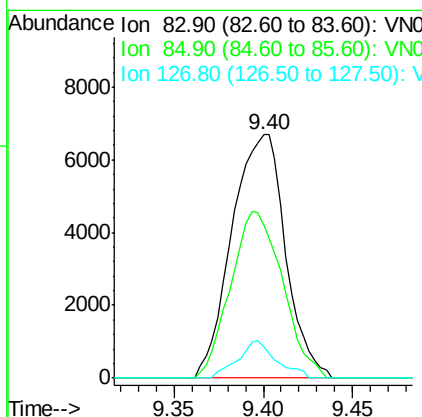
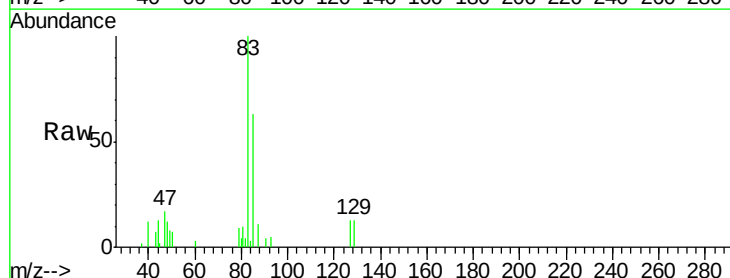
Manual Integrations
APPROVED

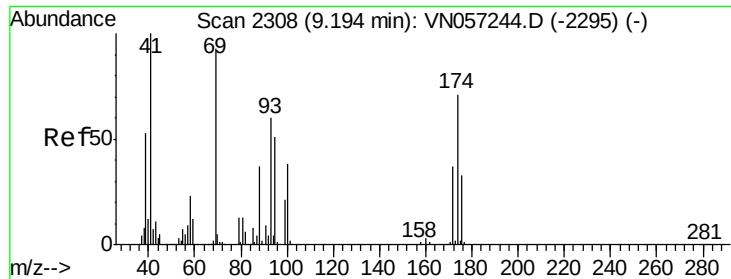
MMDadoda
8/14/2019 12:29:36 PM



#47
Bromodichloromethane
Concen: 0.962 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		14024		
85	62.8	51.4	77.0		
127	13.0	7.7	11.5#		





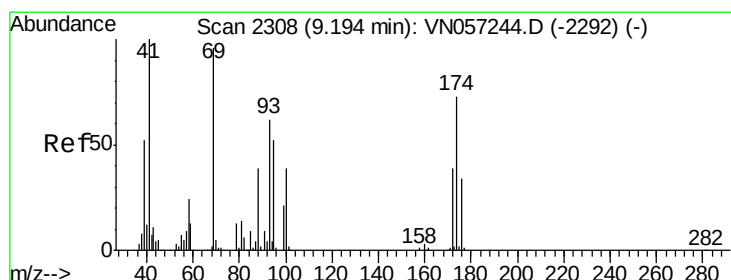
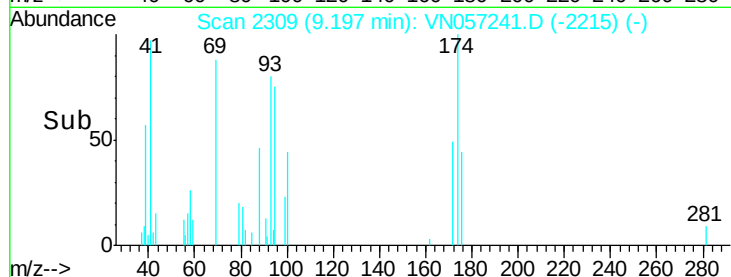
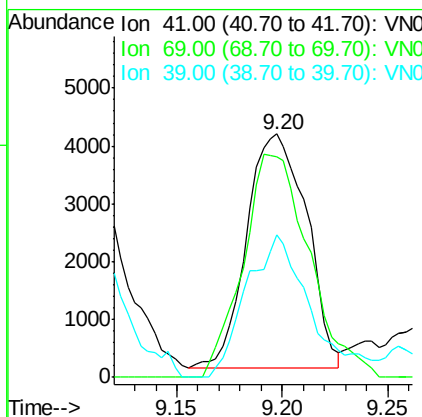
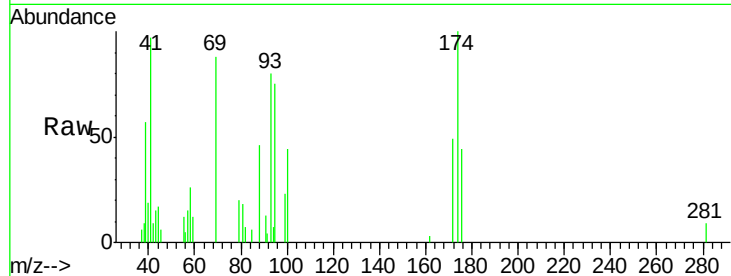
#48
Methvl methacrylate
Concen: 0.726 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	105.7	75.7	113.5
39	65.7	43.3	64.9#

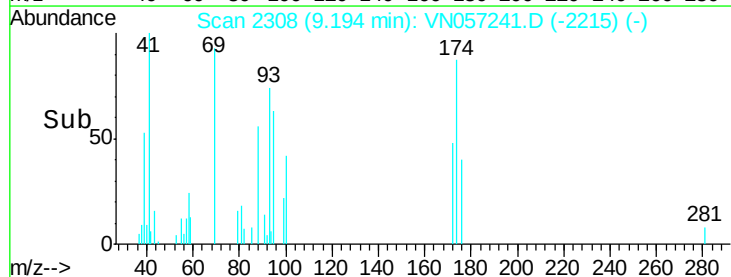
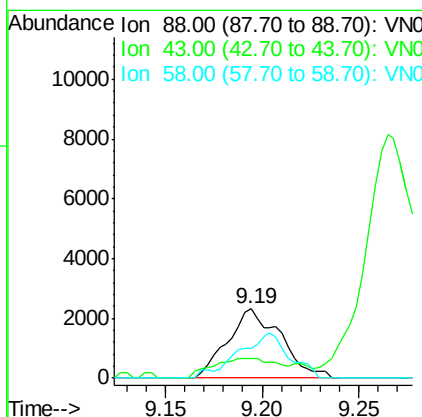
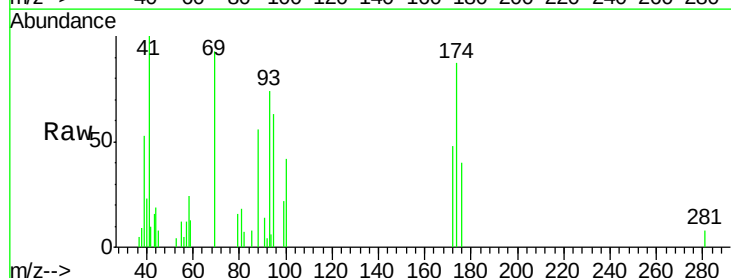
Manual Integrations
APPROVED

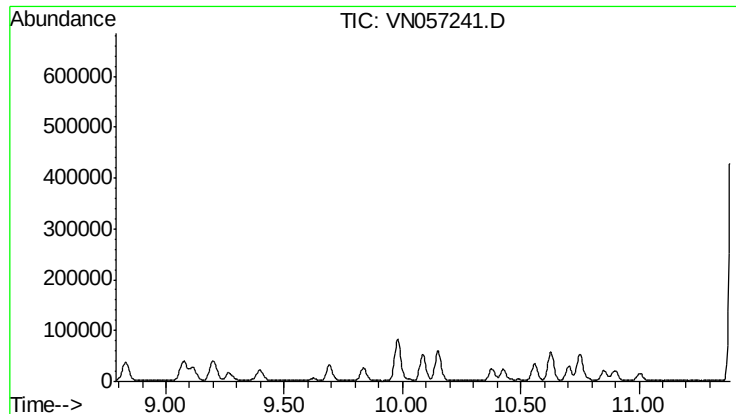
MMDadoda
8/14/2019 12:29:36 PM



#49
1,4-Dioxane
Concen: 19.356 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.0	20.7	31.1#
58	62.0	52.0	78.0





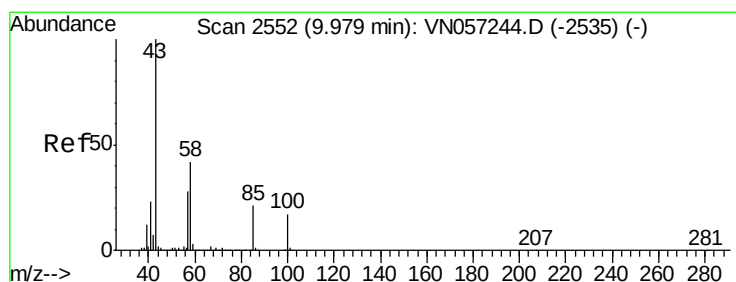
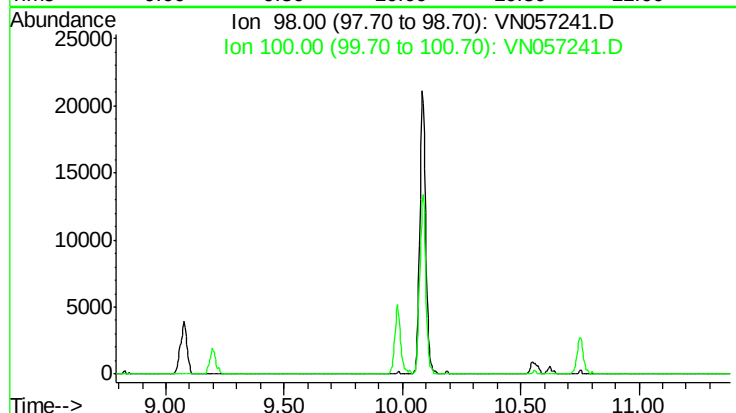
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.7

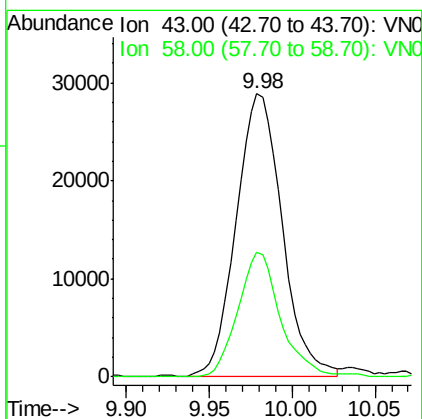
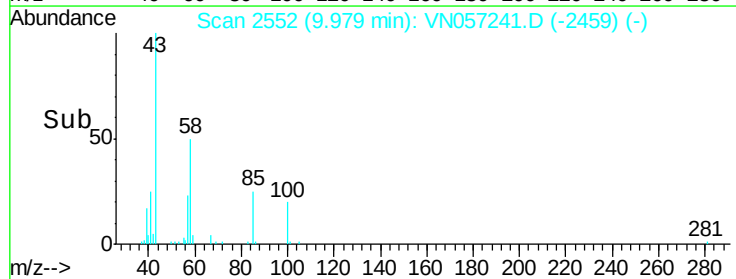
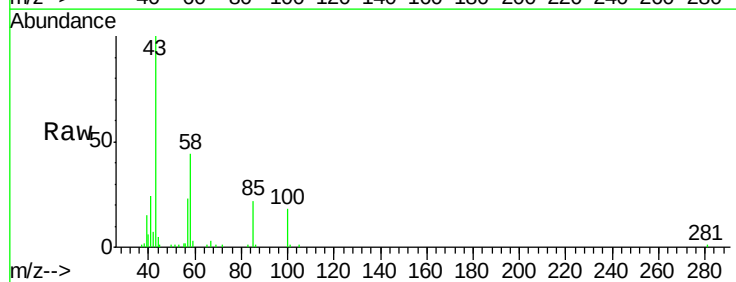
Manual Integrations
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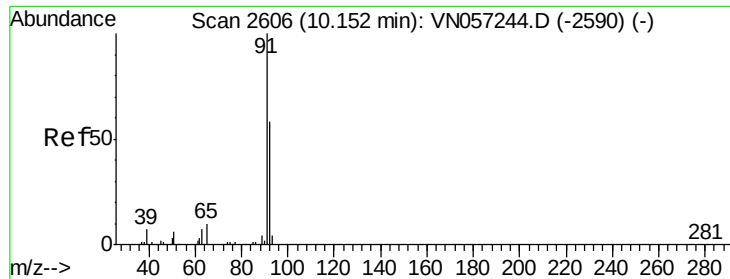
MMDadoda
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#51
4-Methyl-2-Pentanone
Concen: 3.832 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion: 43 Resp: 55796
Ion Ratio Lower Upper
43 100
58 40.9 33.7 50.5





#52

Toluene

Concen: 0.973 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 26838

Ion Ratio Lower Upper

92 100

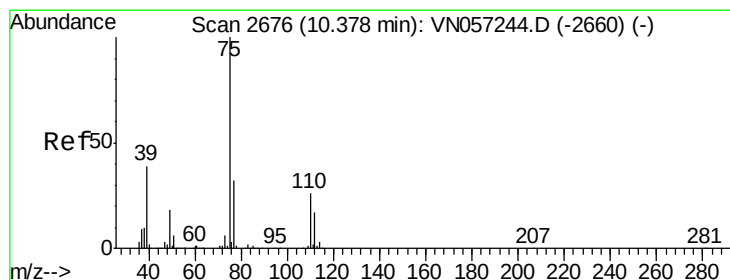
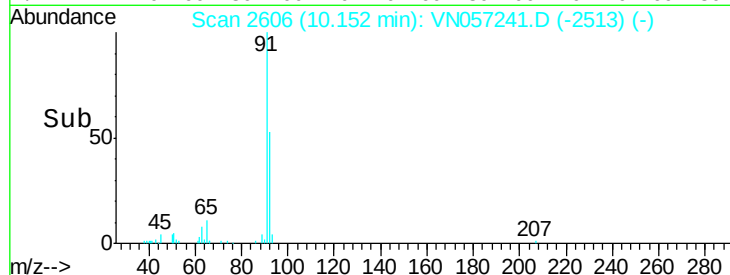
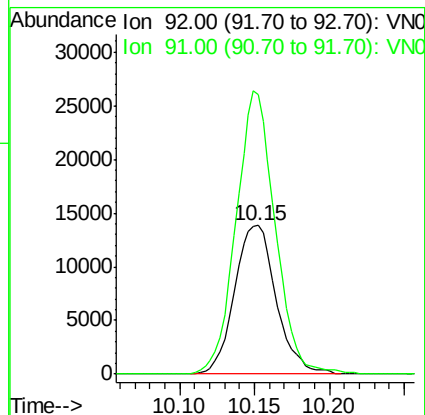
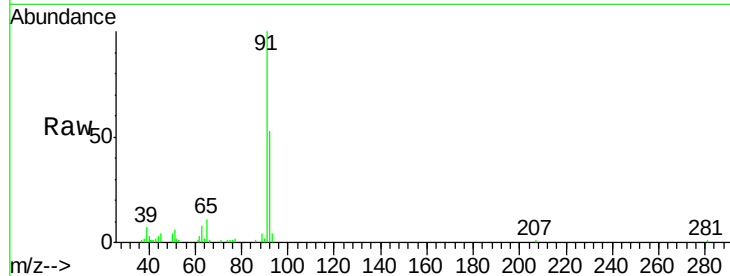
91 178.5 138.2 207.2

Manual Integrations

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#53

t-1,3-Dichloropropene

Concen: 0.950 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057241.D

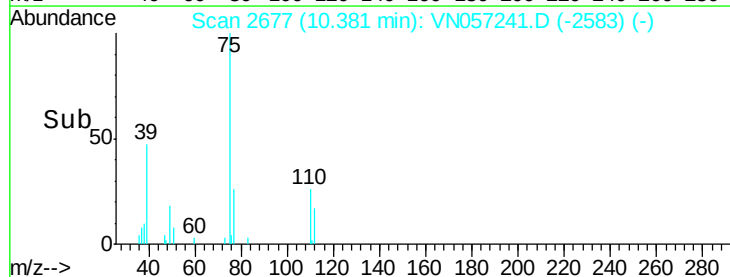
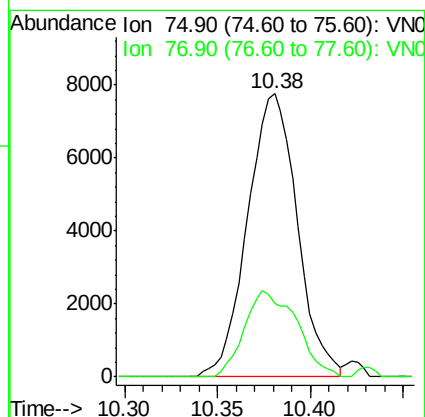
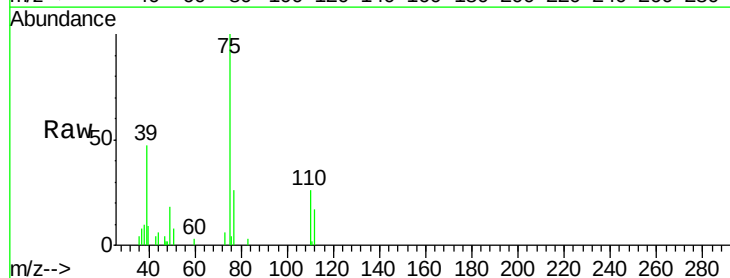
Acq: 13 Aug 2019 11:27

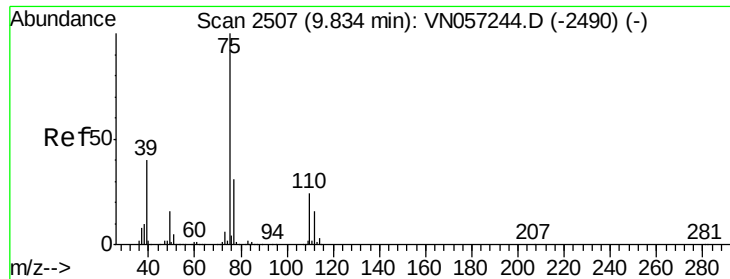
Tgt Ion: 75 Resp: 14476

Ion Ratio Lower Upper

75 100

77 26.0 25.3 37.9





#54

cis-1,3-Dichloropropene

Concen: 0.923 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

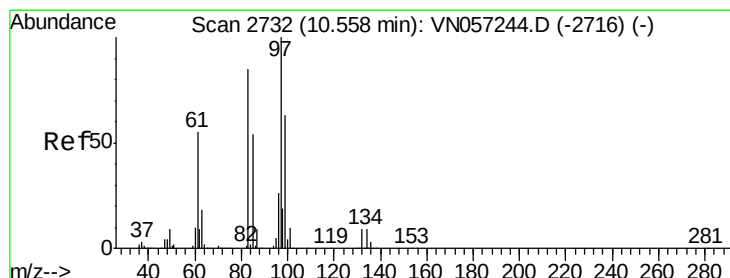
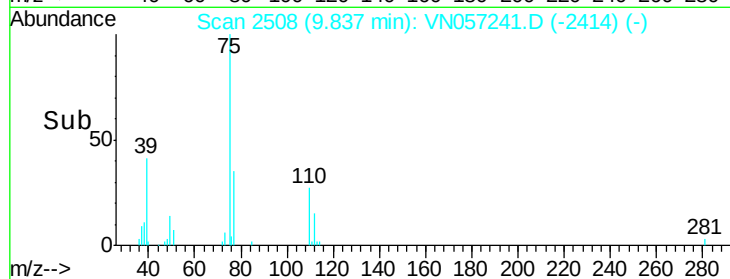
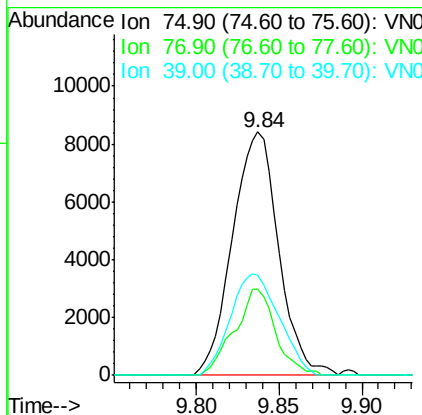
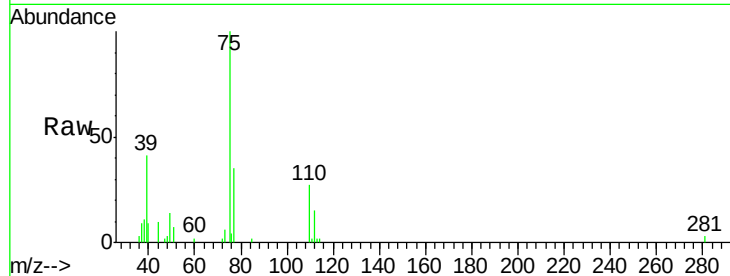
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	16250
Ion Ratio	Lower	Upper	
75	100		
77	35.2	25.0	37.6
39	41.1	32.3	48.5

Manual Integrations
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#55

1,1,2-Trichloroethane

Concen: 0.981 ug/l

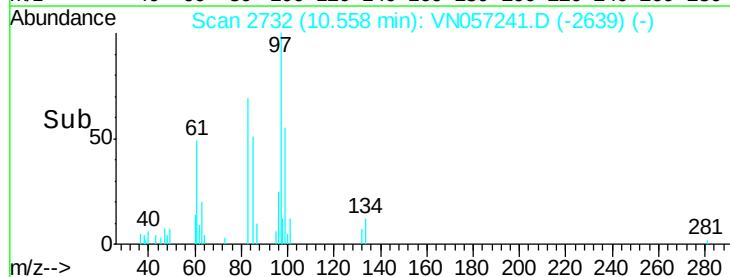
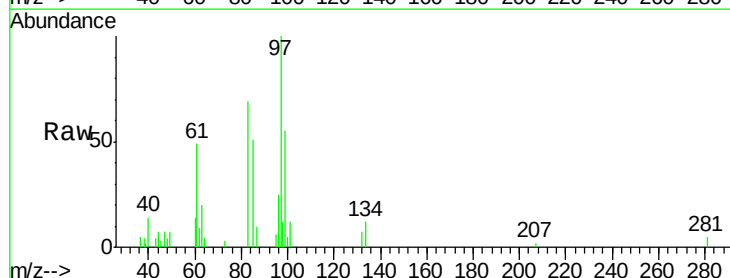
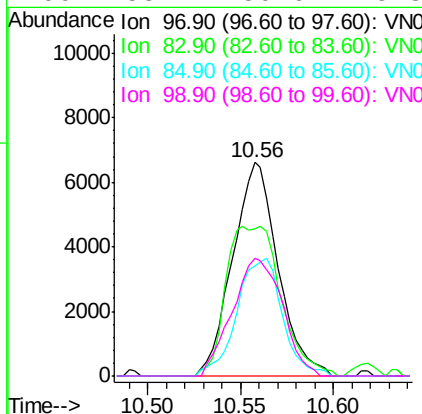
RT: 10.56 min Scan# 2732

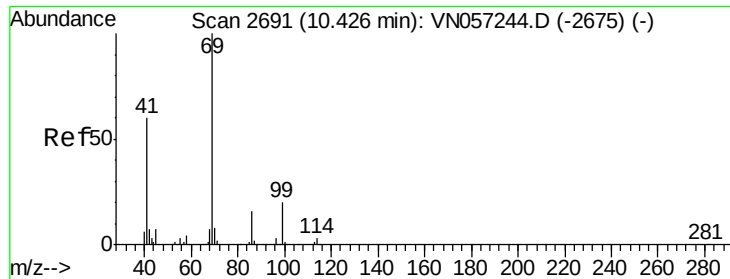
Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	97	Resp:	11249
Ion Ratio	Lower	Upper	
97	100		
83	68.7	68.4	102.6
85	51.3	43.0	64.6
99	55.1	50.6	75.8





#56

Ethyl methacrylate

Concen: 0.846 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

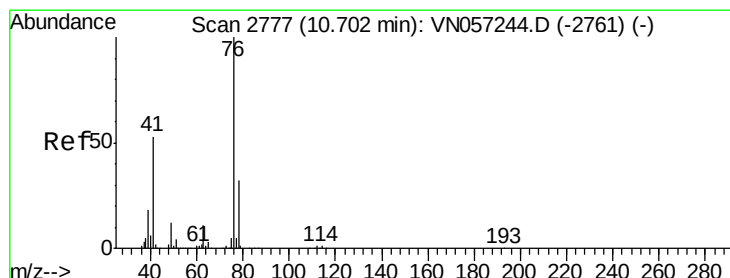
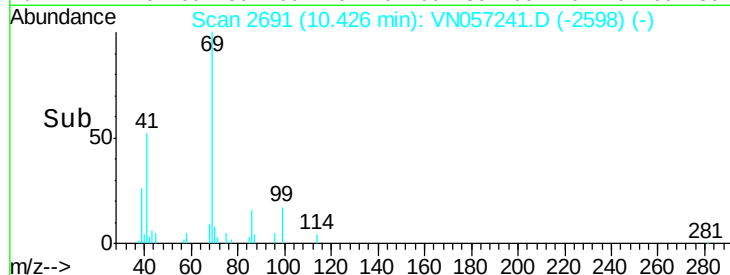
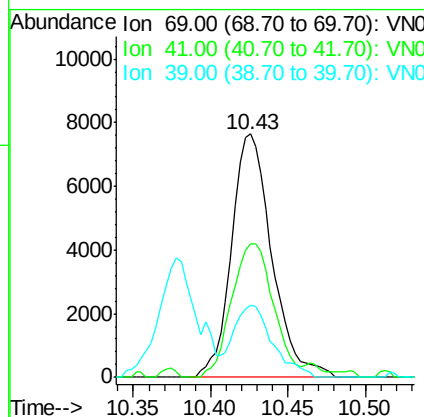
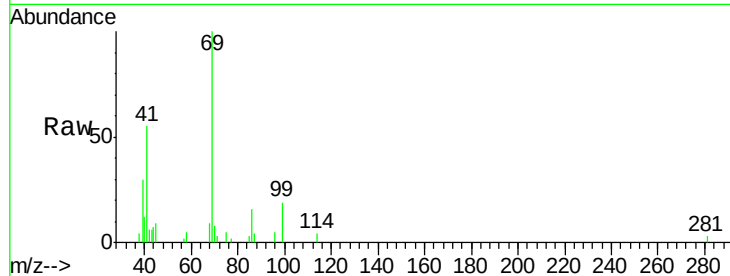
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	13796
Ion	Ratio	Lower	Upper
69	100		
41	57.0	47.6	71.4
39	28.7	23.4	35.0

Manual Integrations
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#57

1,3-Dichloropropane

Concen: 0.975 ug/l

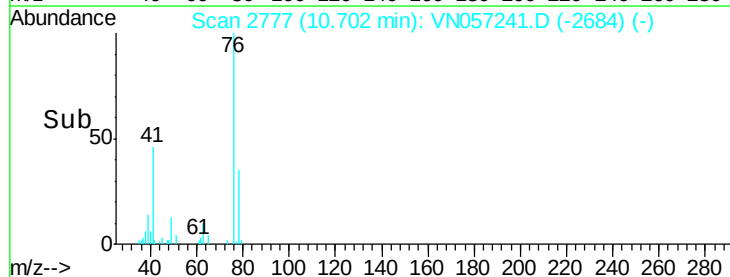
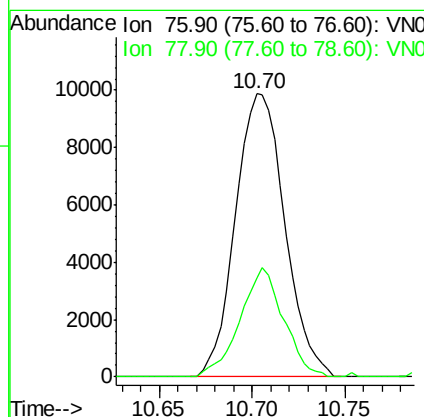
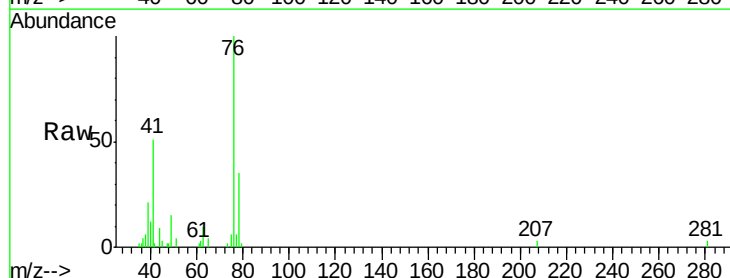
RT: 10.70 min Scan# 2777

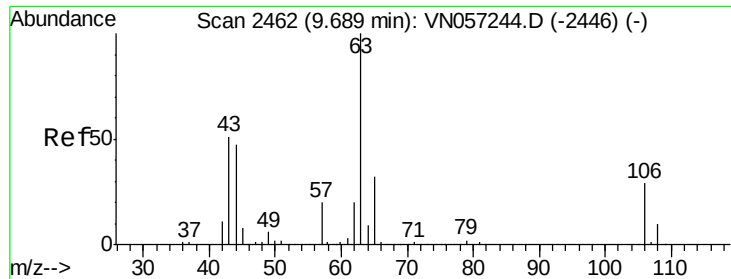
Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	76	Resp:	18250
Ion	Ratio	Lower	Upper
76	100		
78	34.2	26.0	39.0





#58

2-Chloroethyl Vinyl ether

Concen: 1.954 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 14132

Ion Ratio Lower Upper

63 100

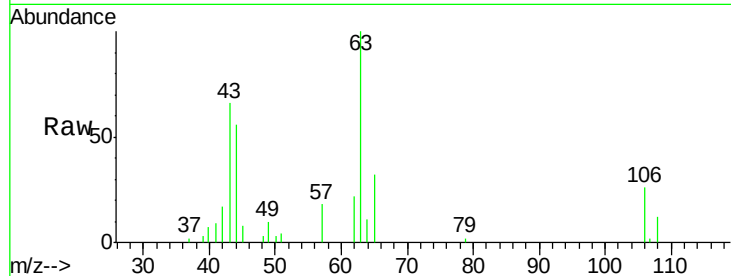
106 26.7 23.4 35.2

Manual Integrations

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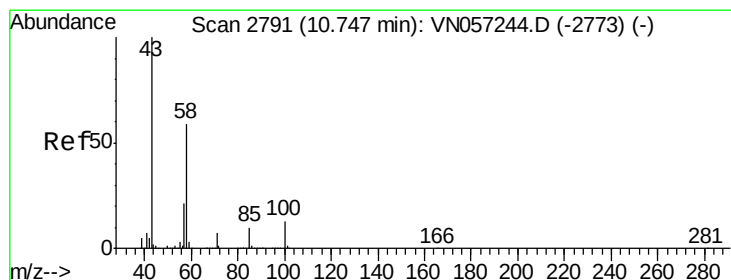
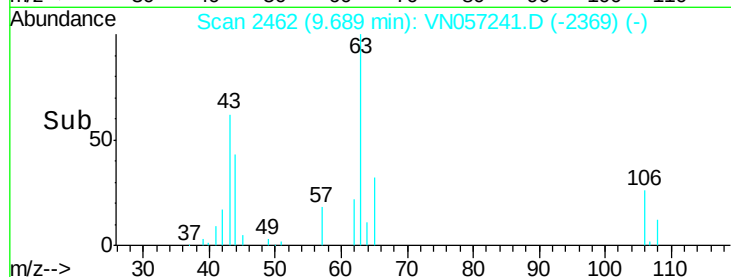
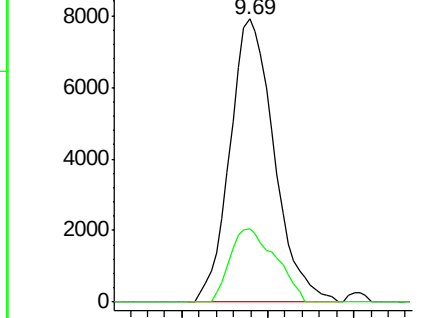
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 3.471 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057241.D

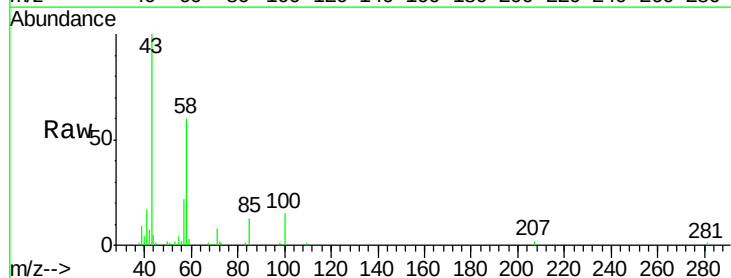
Acq: 13 Aug 2019 11:27

Tgt Ion: 43 Resp: 36088

Ion Ratio Lower Upper

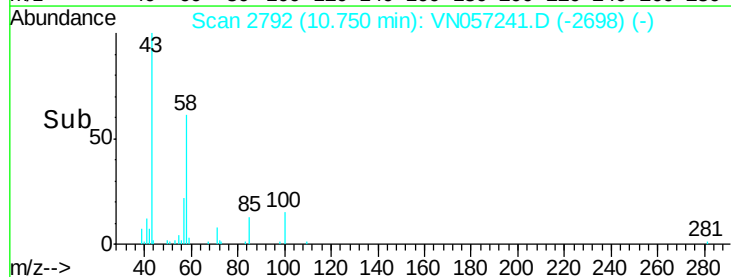
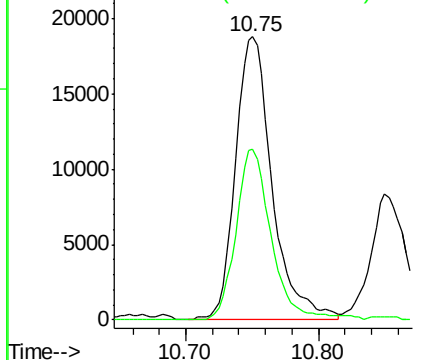
43 100

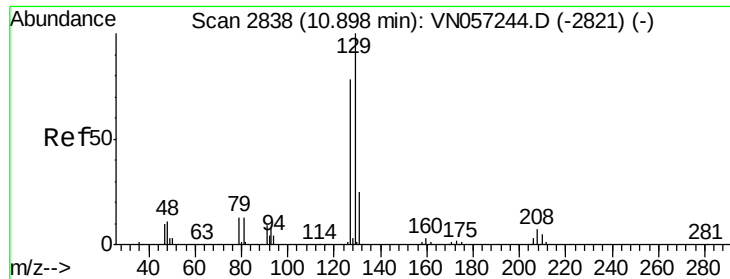
58 58.1 29.1 87.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.994 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 11372

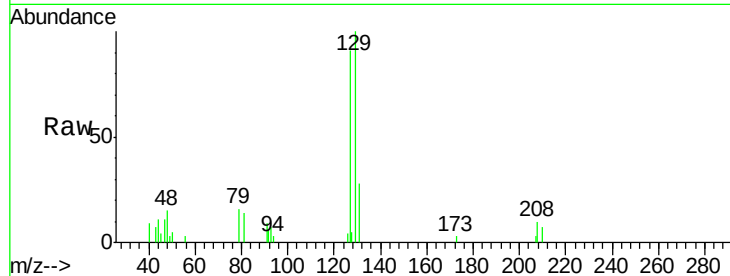
Ion Ratio Lower Upper

129 100

127 80.5 38.9 116.6

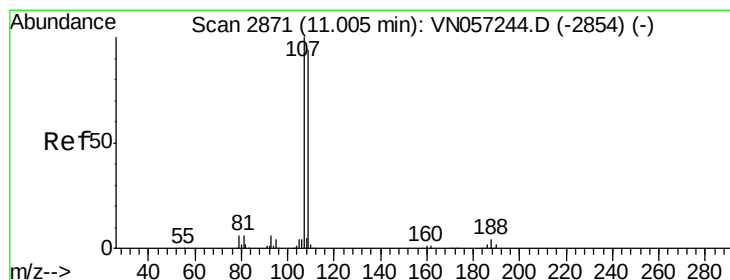
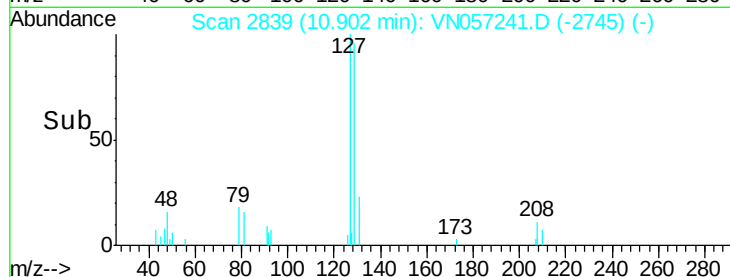
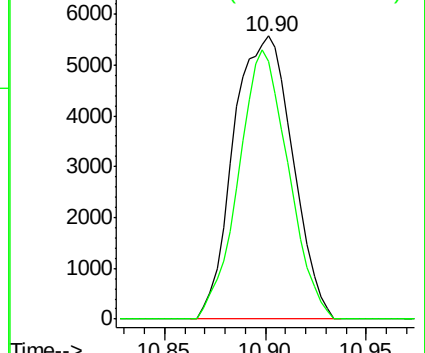
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.946 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057241.D

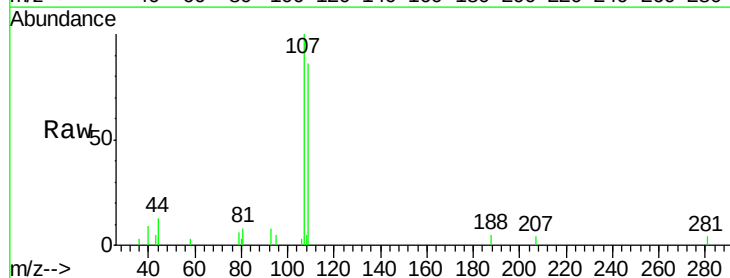
Acq: 13 Aug 2019 11:27

Tgt Ion:107 Resp: 10817

Ion Ratio Lower Upper

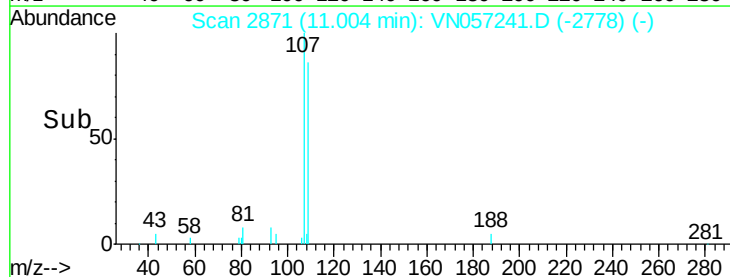
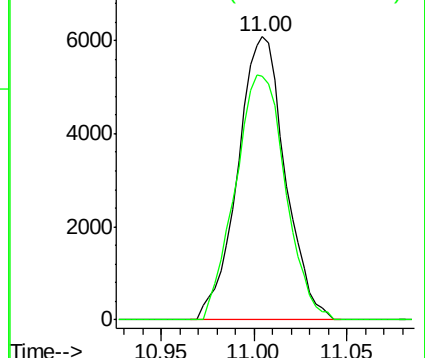
107 100

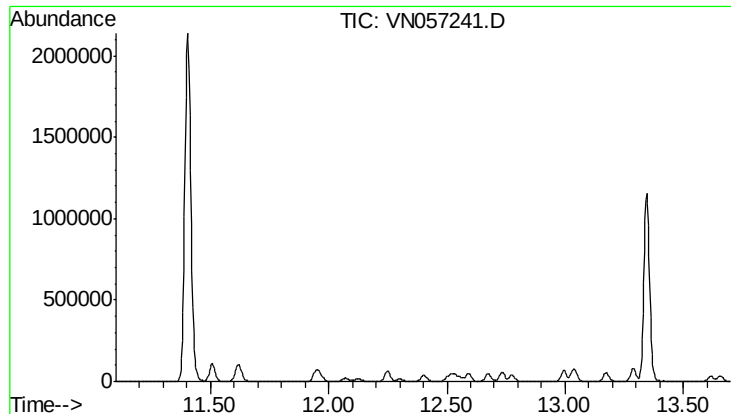
109 91.5 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





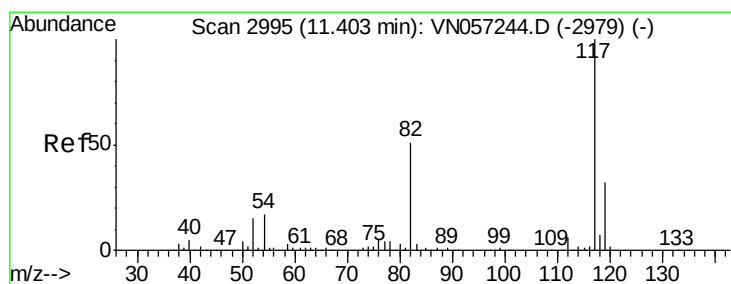
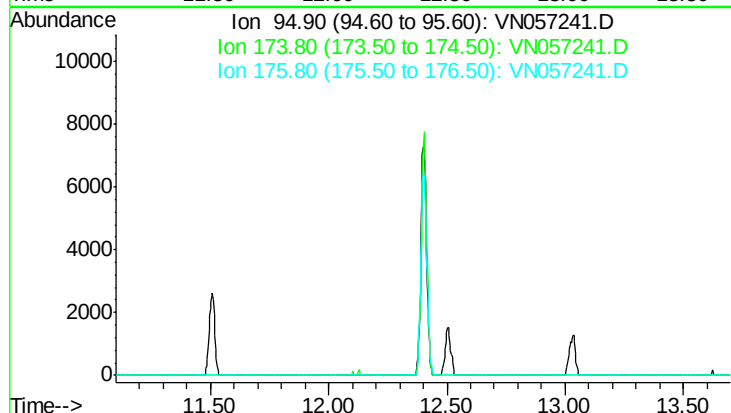
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 95
 Sig Exp Ratio
 95 100
 174 93.8
 176 92.9

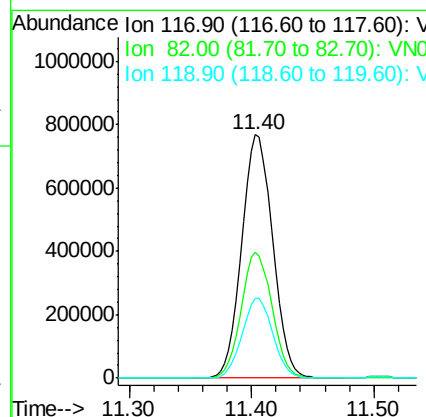
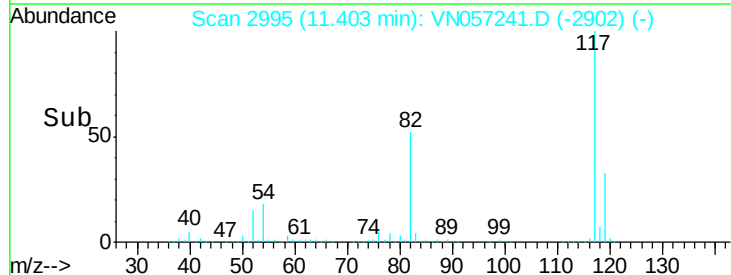
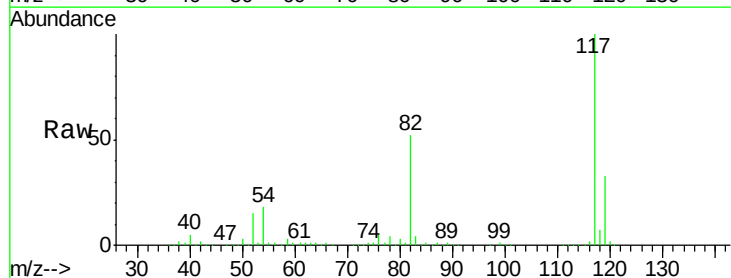
Manual Integrations
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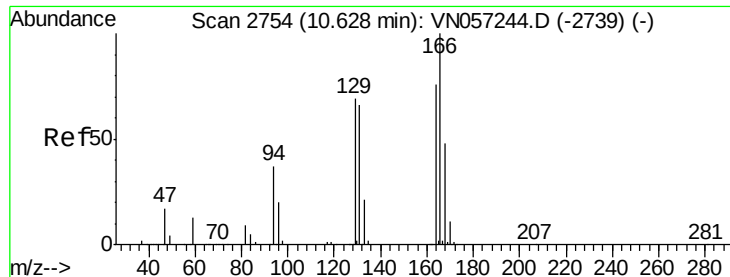
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#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion: 117 Resp: 1350189
 Ion Ratio Lower Upper
 117 100
 82 51.7 40.9 61.3
 119 32.7 25.4 38.2





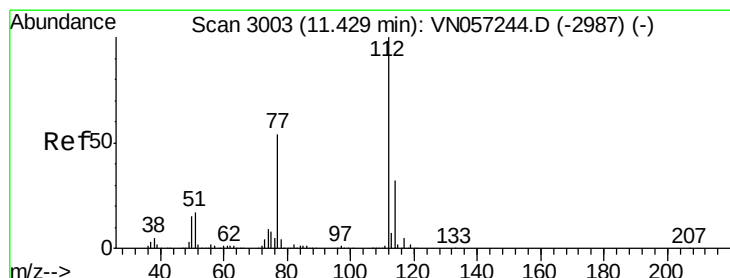
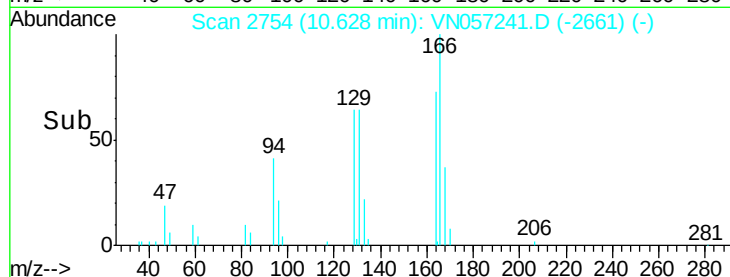
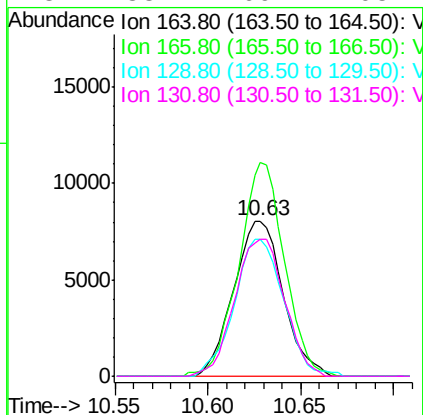
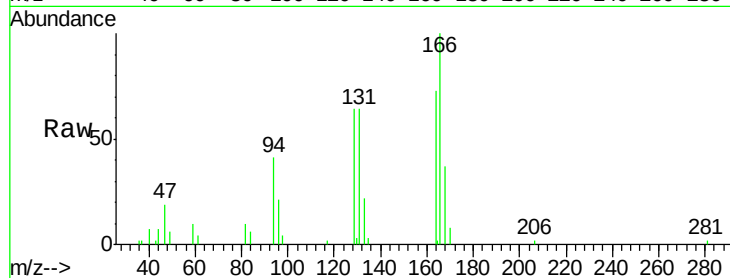
#64
Tetrachloroethene
Concen: 1.271 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	137.4	104.9	157.3
129	87.8	71.9	107.9
131	88.1	69.1	103.7

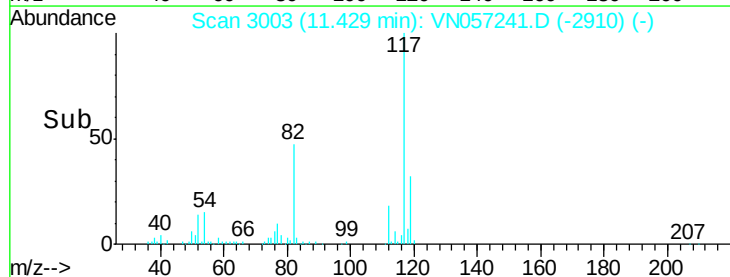
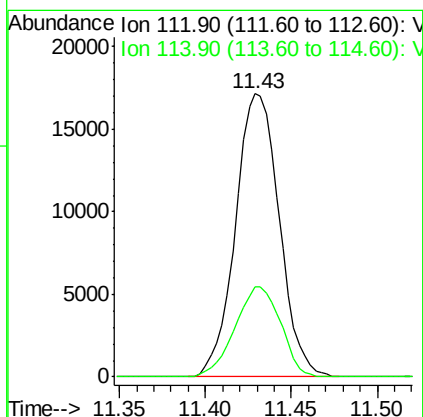
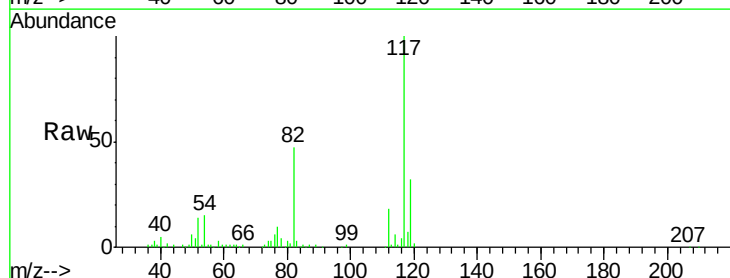
Manual Integrations
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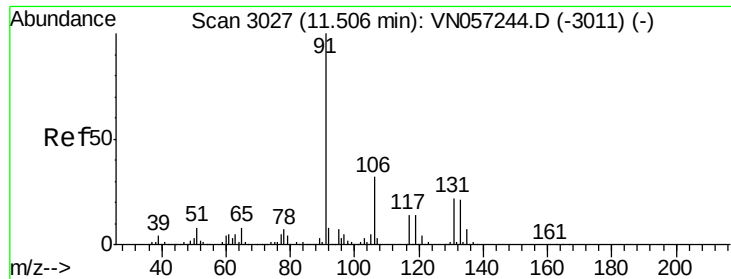
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#65
Chlorobenzene
Concen: 1.093 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 1.173 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

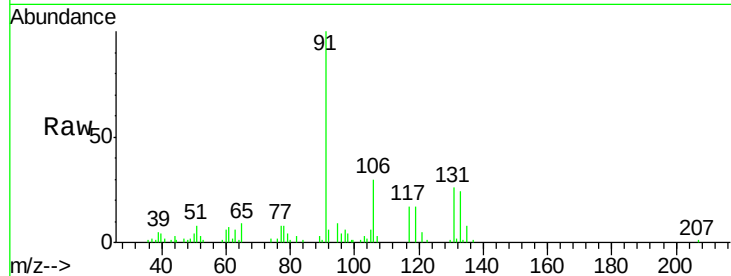
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	92.6	46.9	140.7
119	0.0	32.3	96.8#

Manual Integrations
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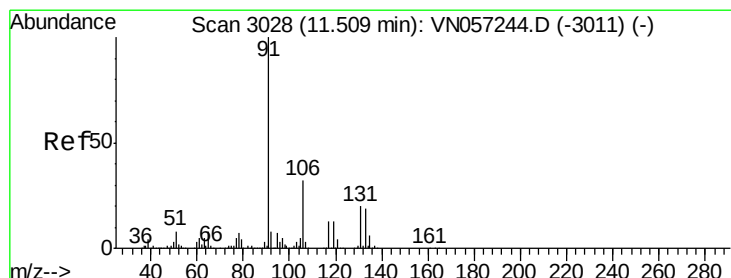
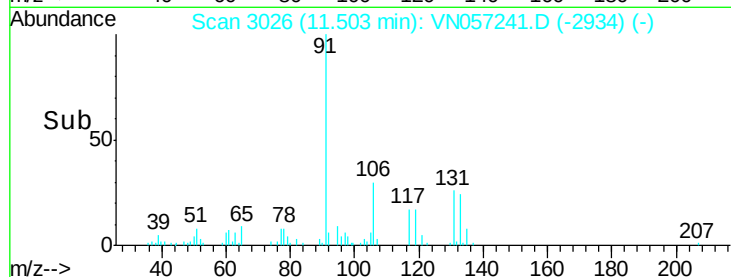
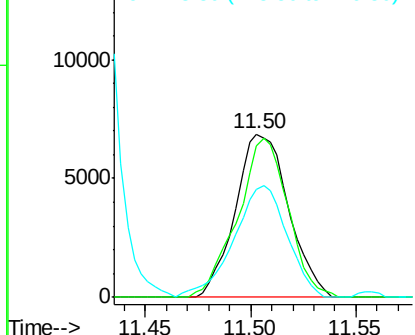
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Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.016 ug/l

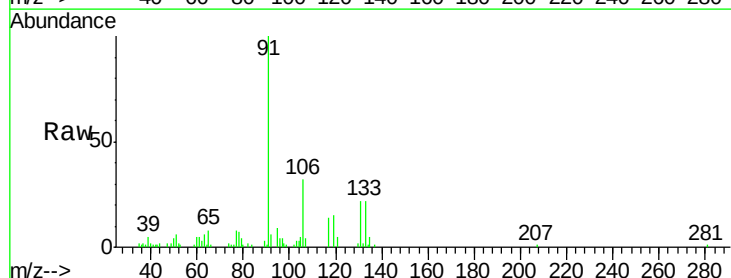
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057241.D

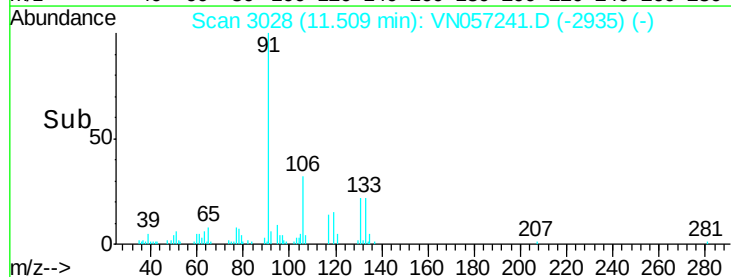
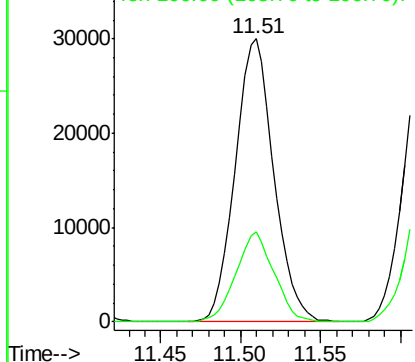
Acq: 13 Aug 2019 11:27

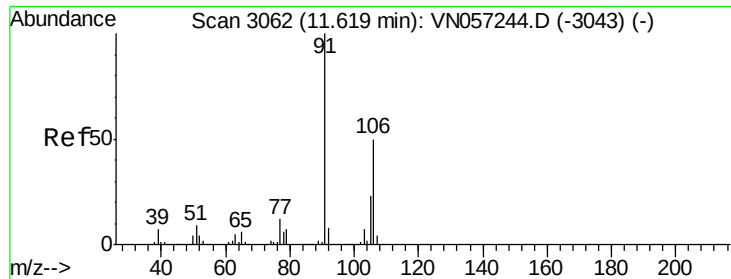
Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 1.933 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:106 Resp: 34978

Ion Ratio Lower Upper

106 100

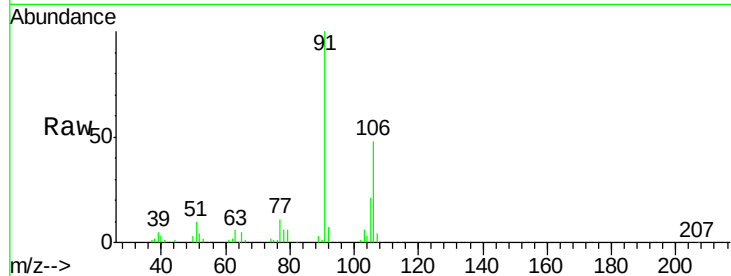
91 203.9 161.4 242.0

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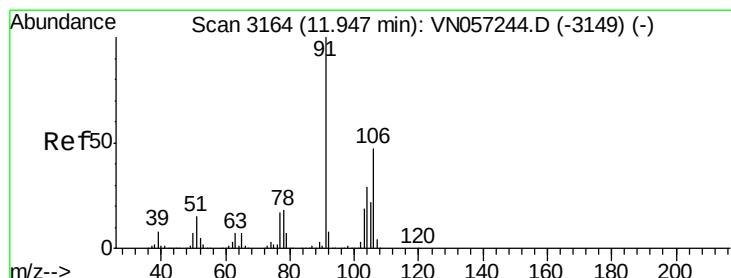
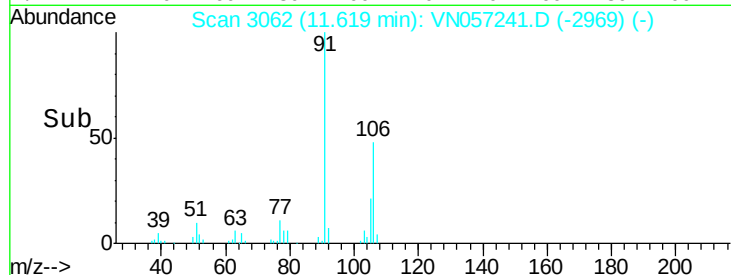
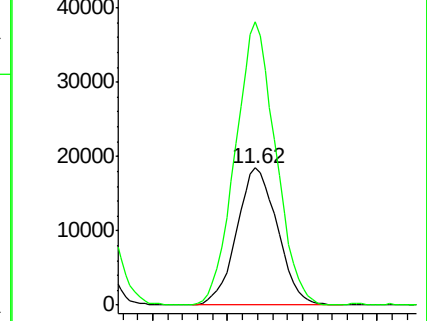
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.959 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN057241.D

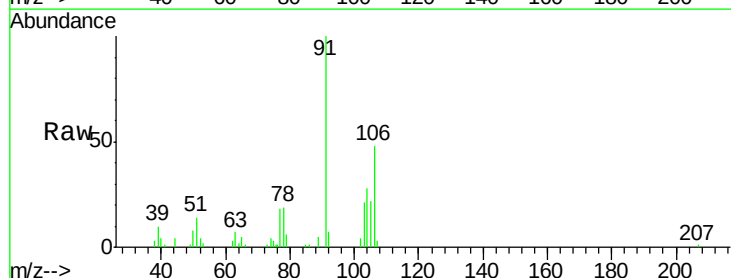
Acq: 13 Aug 2019 11:27

Tgt Ion:106 Resp: 17045

Ion Ratio Lower Upper

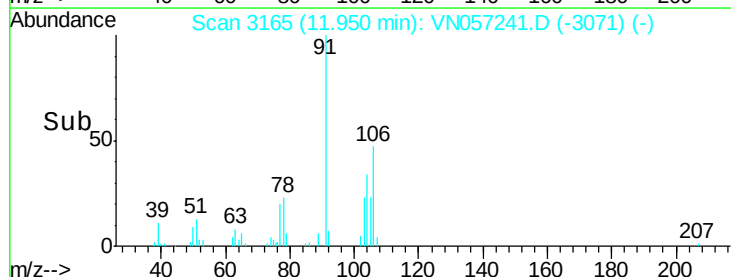
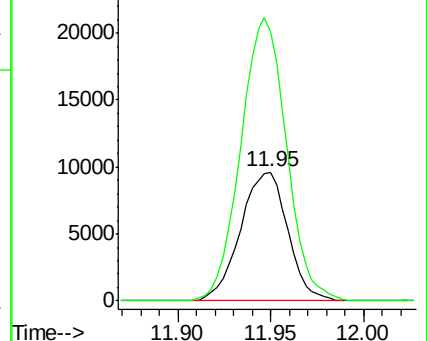
106 100

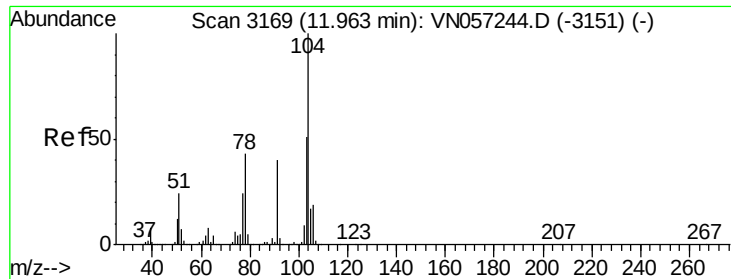
91 212.9 106.5 319.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#70

Stvrene

Concen: 0.739 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

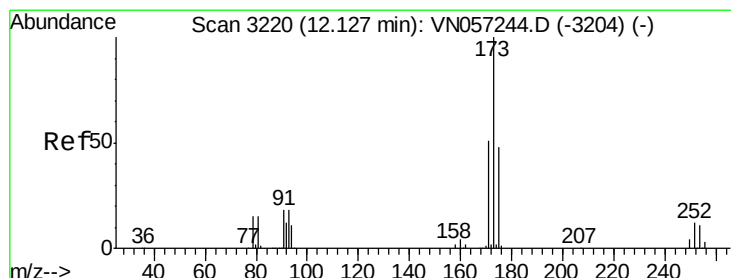
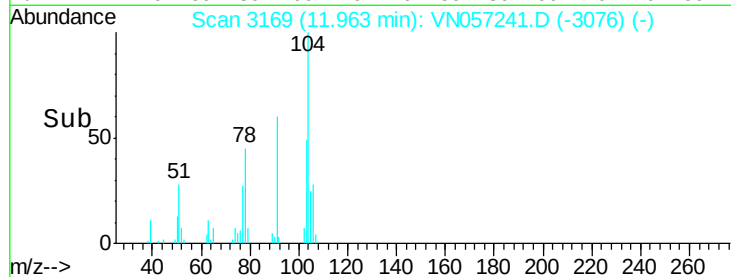
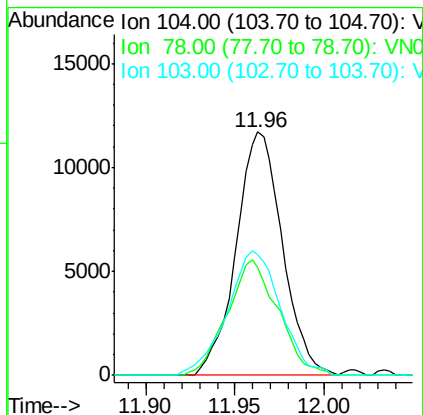
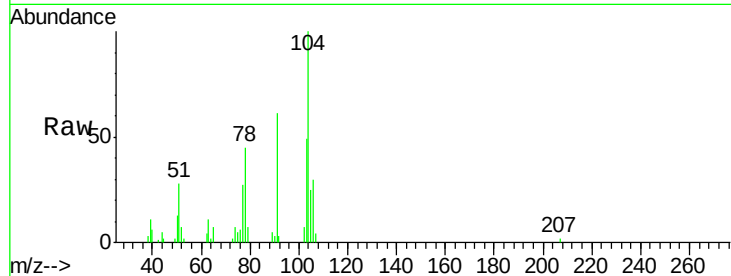
ClientSampleId :

VSTDIC001

Tot Ion:	104	Resp:	21183
Ion Ratio	Lower	Upper	
104	100		
78	52.1	38.6	57.8
103	58.7	43.9	65.9

Manual Integrations
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#71

Bromoform

Concen: 1.000 ug/l

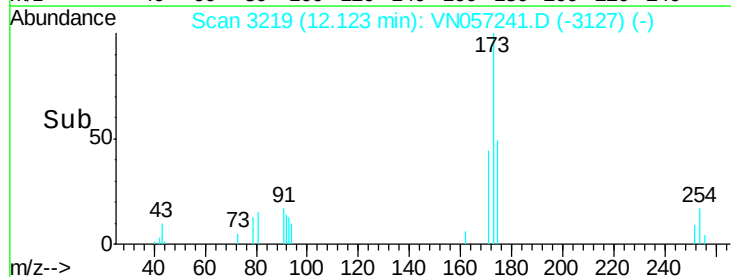
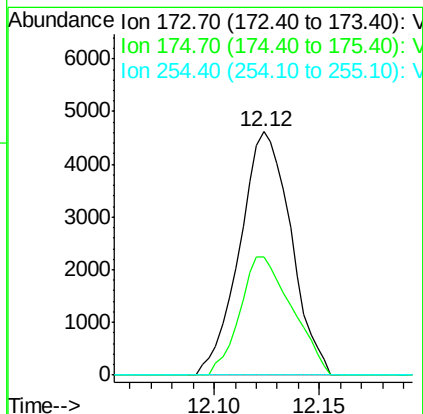
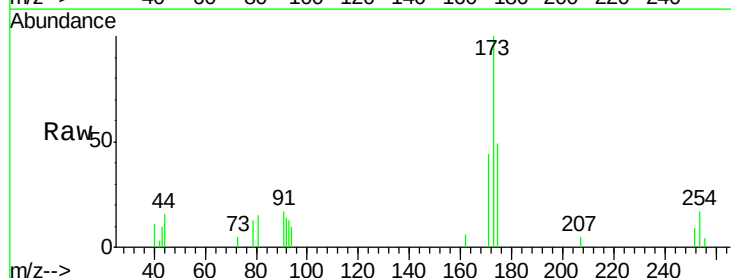
RT: 12.12 min Scan# 3219

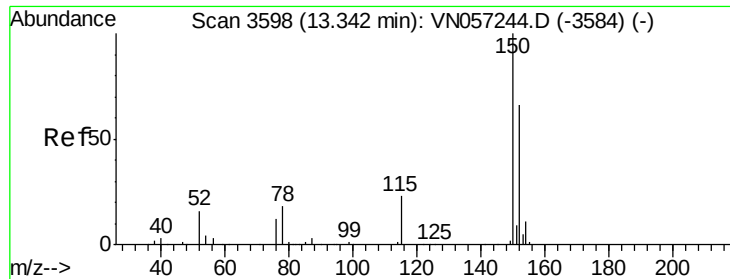
Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	173	Resp:	7799
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.4	73.2
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

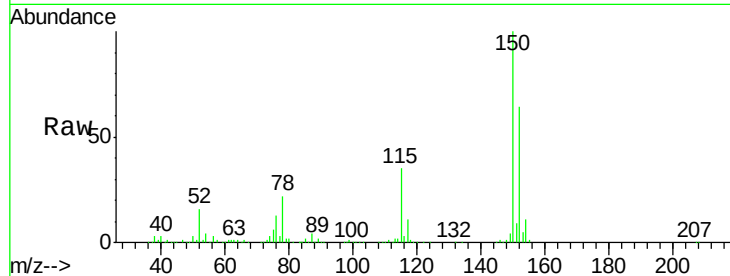
ClientSampleId :

VSTDIC001

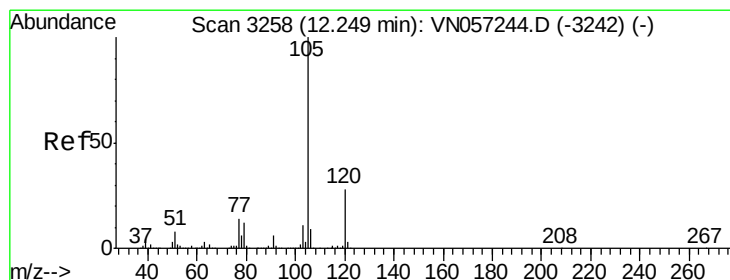
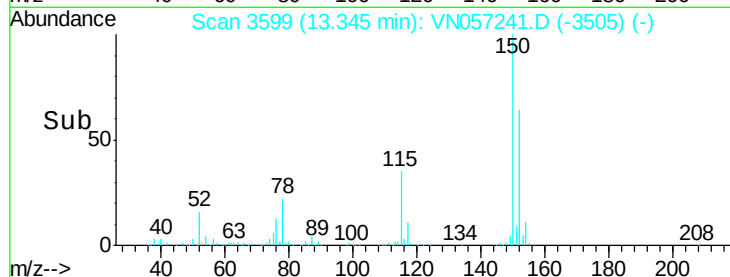
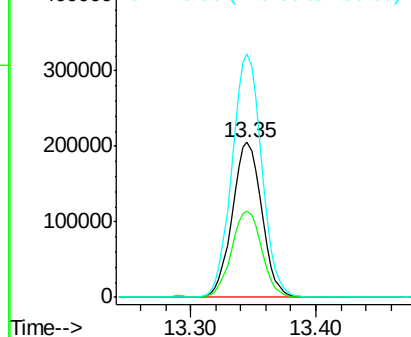
Tot Ion:	152	Resp:	334541
Ion Ratio	Lower	Upper	
152	100		
115	57.0	27.6	82.8
150	157.5	0.0	348.4

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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: 1.553 ug/l

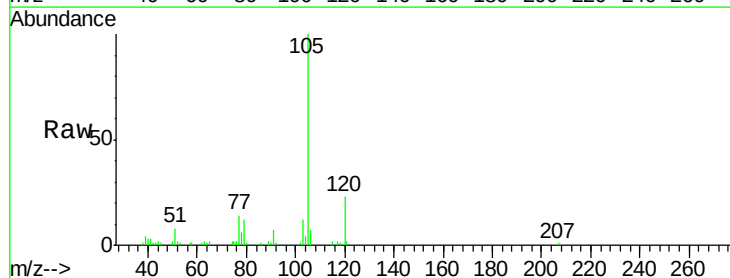
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

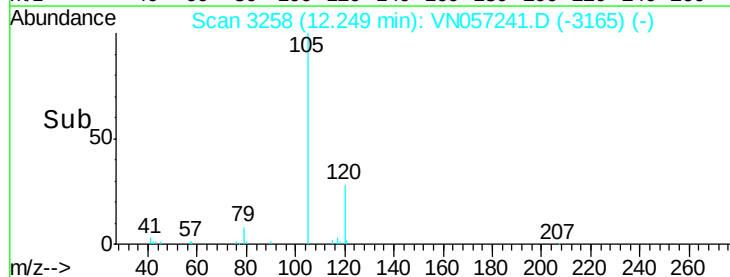
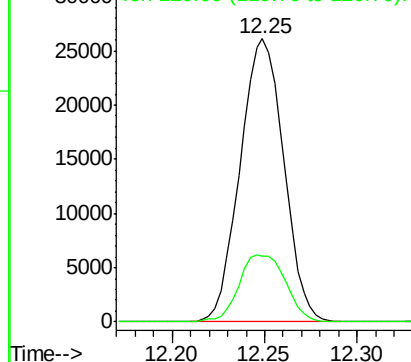
Lab File: VN057241.D

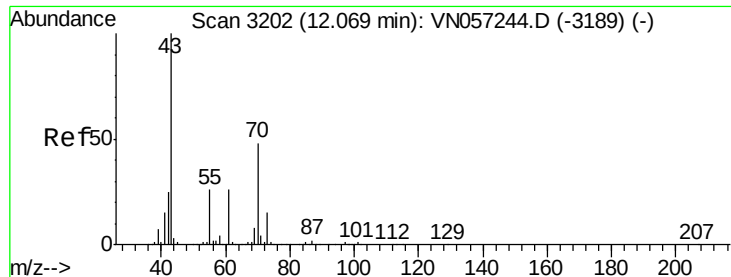
Acq: 13 Aug 2019 11:27

Tgt Ion:	105	Resp:	42683
Ion Ratio	Lower	Upper	
105	100		
120	25.2	13.8	41.3



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





#74

N-amvl acetate

Concen: 1.196 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

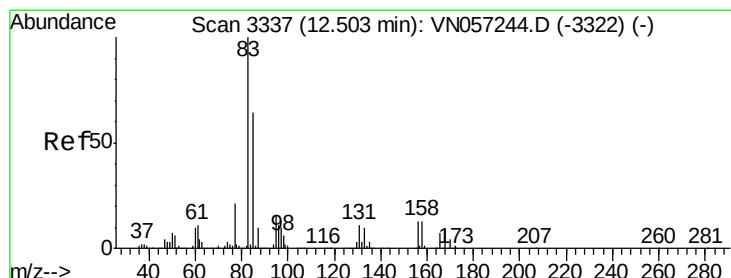
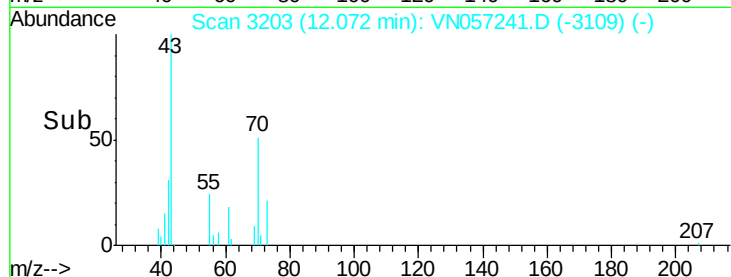
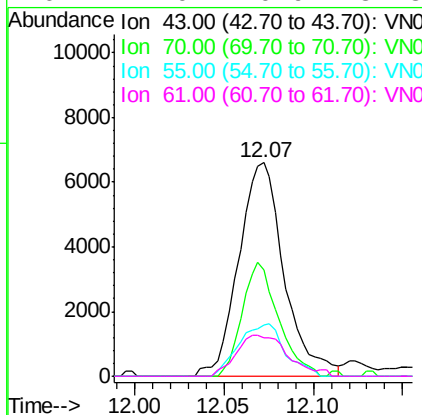
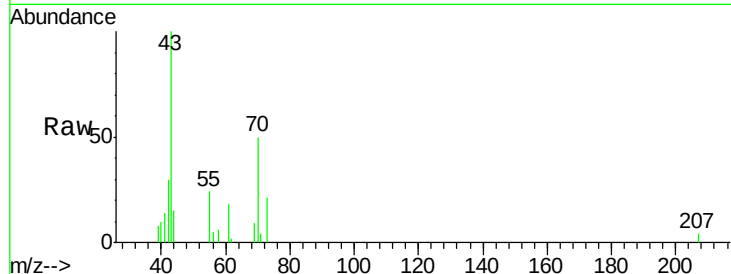
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	11692
Ion	Ratio	Lower	Upper
43	100		
70	42.7	37.4	56.2
55	25.1	21.0	31.4
61	22.0	20.9	31.3

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.421 ug/l

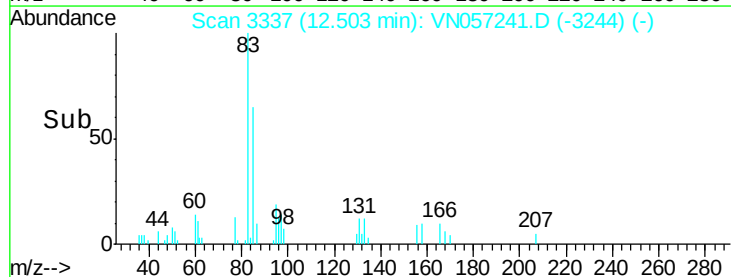
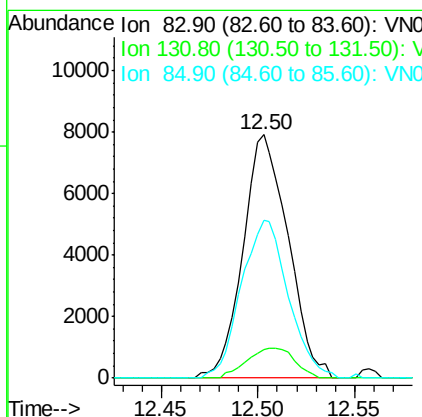
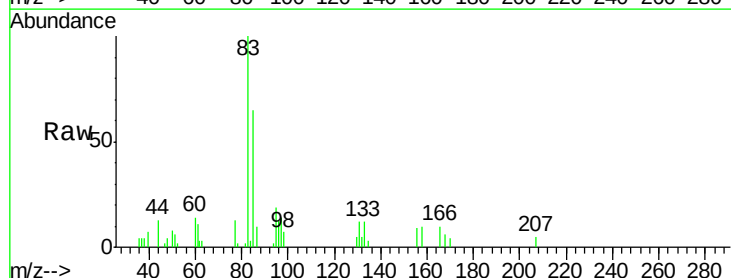
RT: 12.50 min Scan# 3337

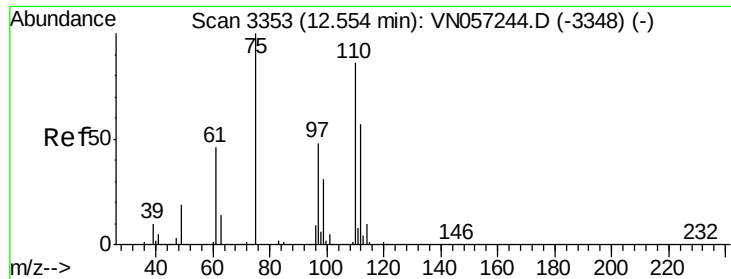
Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Tgt Ion:	83	Resp:	12844
Ion	Ratio	Lower	Upper
83	100		
131	13.0	5.6	16.8
85	67.4	32.3	96.8





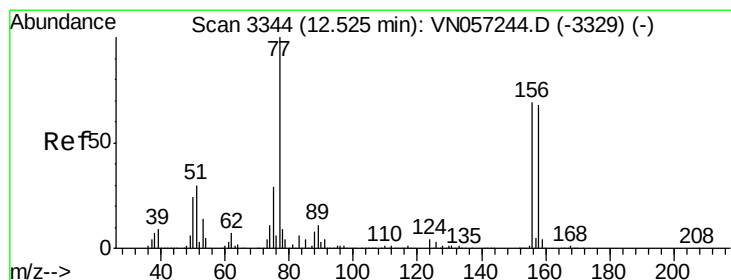
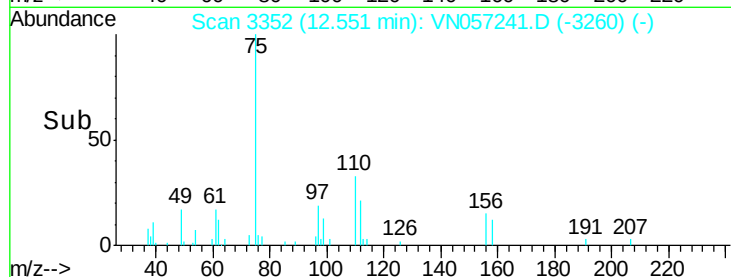
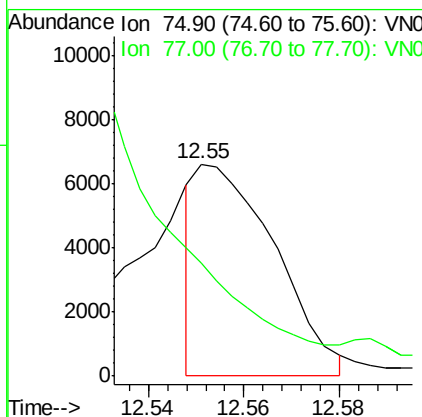
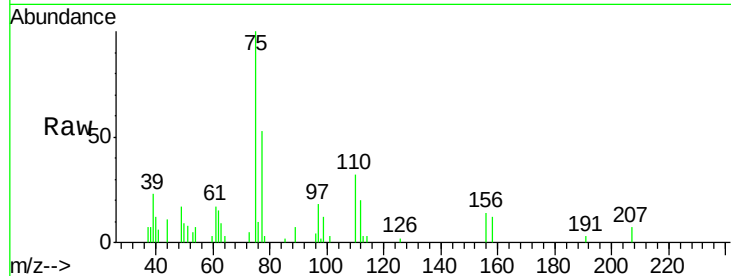
#76
 1,2,3-Trichloropropane
 Concen: 1.054 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

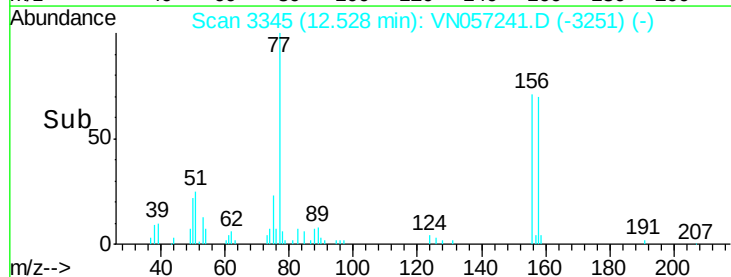
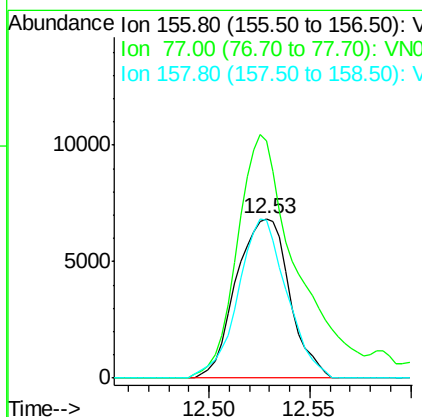
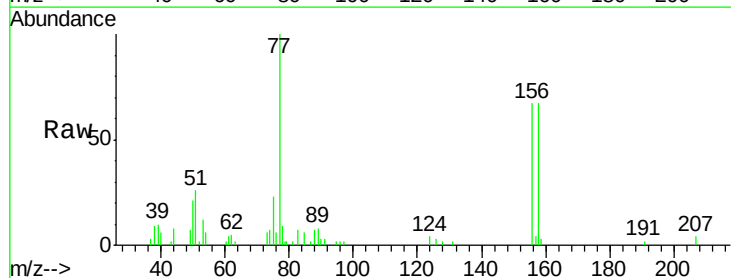
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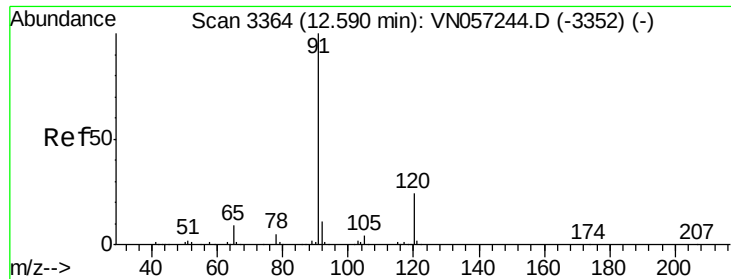
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#77
 Bromobenzene
 Concen: 1.754 ug/l
 RT: 12.53 min Scan# 3345
 Delta R.T. 0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
156	100		
77	169.8	88.0	264.1
158	91.6	49.4	148.0





#78

n-propylbenzene

Concen: 1.327 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 40034

Ion Ratio Lower Upper

91 100

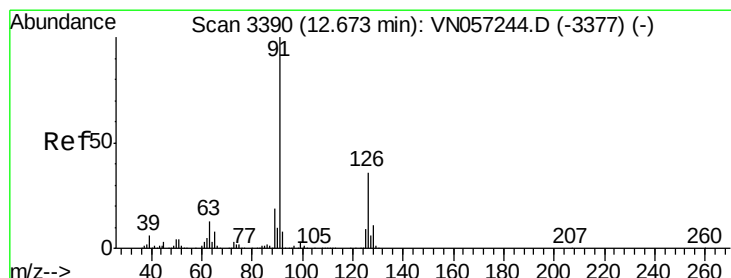
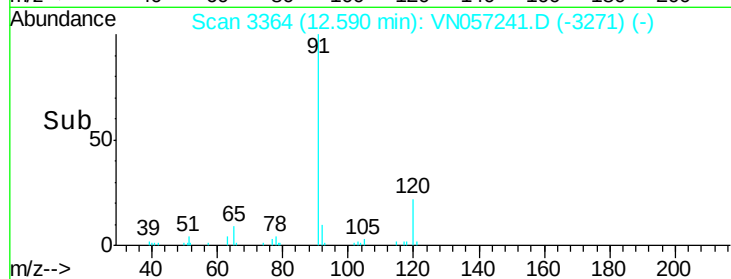
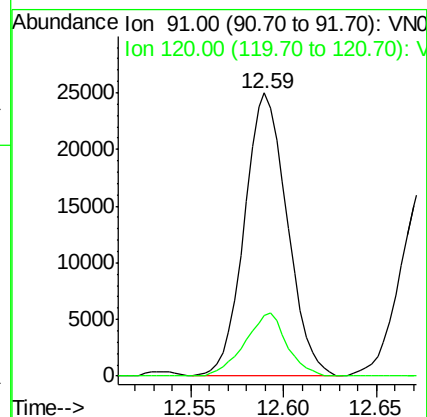
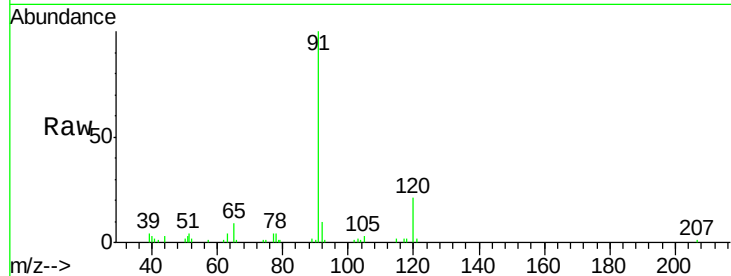
120 21.7 12.1 36.3

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#79

2-Chlorotoluene

Concen: 1.490 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057241.D

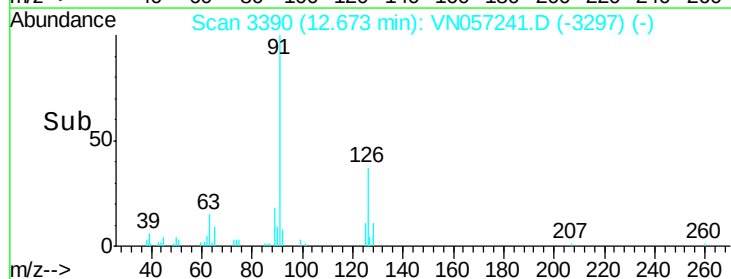
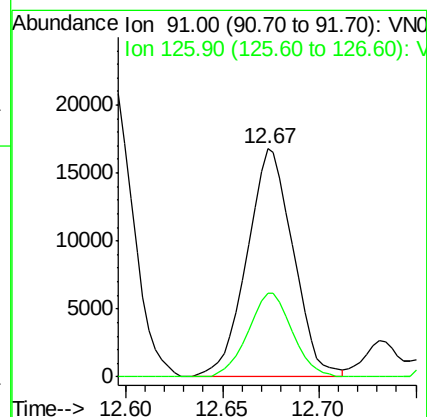
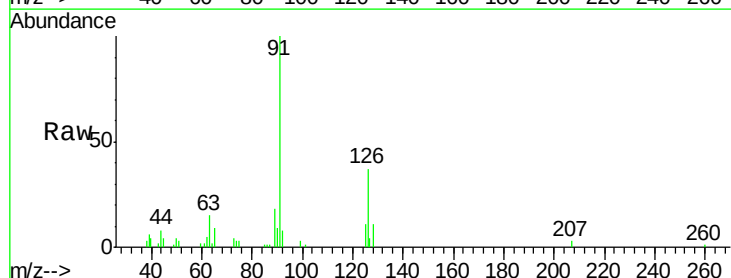
Acq: 13 Aug 2019 11:27

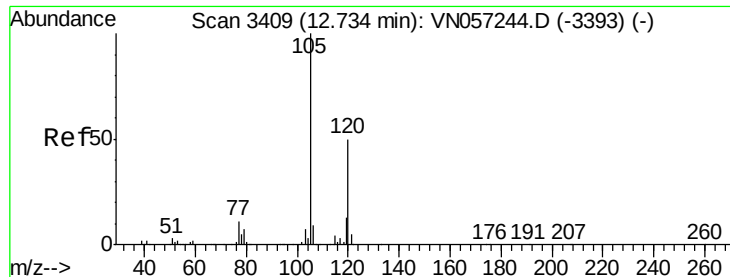
Tgt Ion: 91 Resp: 27970

Ion Ratio Lower Upper

91 100

126 35.0 18.0 54.0





#80

1,3,5-Trimethylbenzene

Concen: 1.382 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 32075

Ion Ratio Lower Upper

105 100

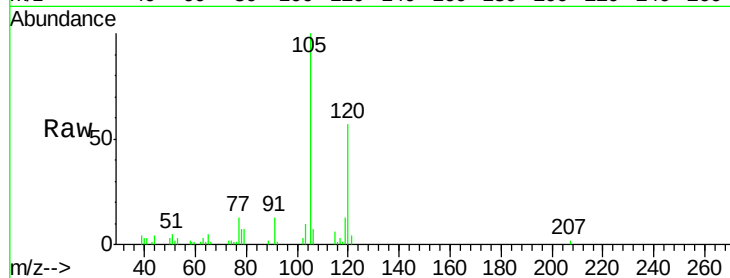
120 51.5 25.3 75.8

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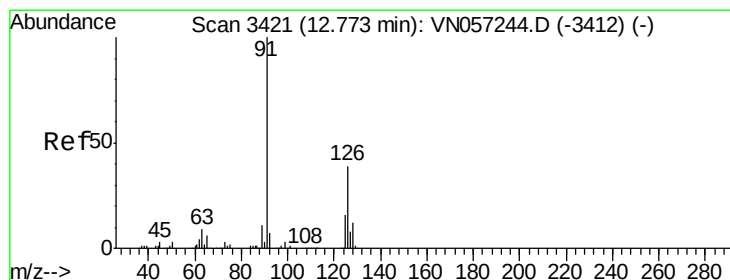
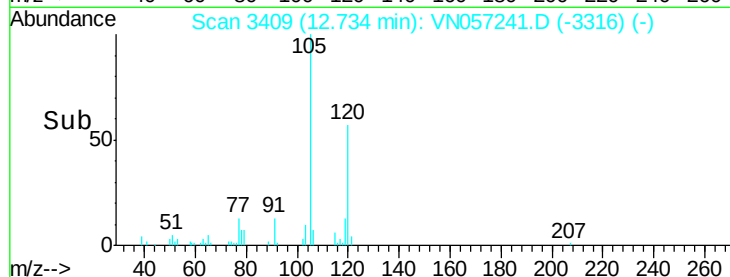
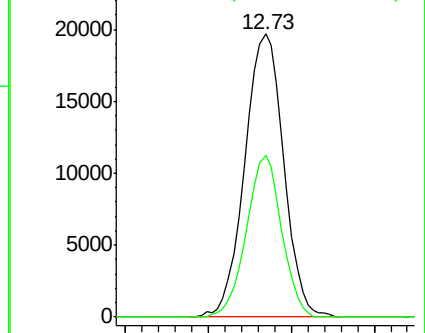
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

4-Chlorotoluene

Concen: 1.277 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057241.D

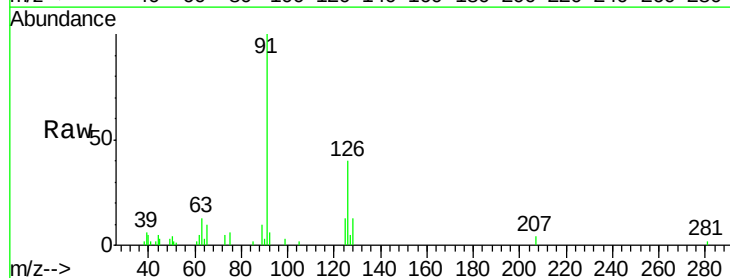
Acq: 13 Aug 2019 11:27

Tgt Ion: 91 Resp: 22563

Ion Ratio Lower Upper

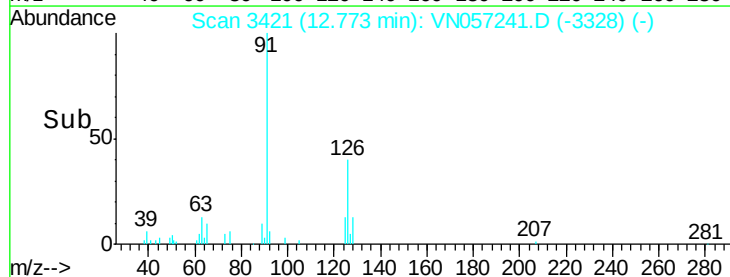
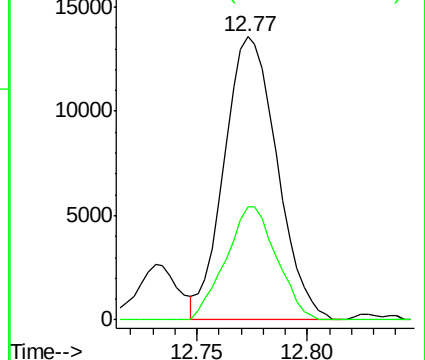
91 100

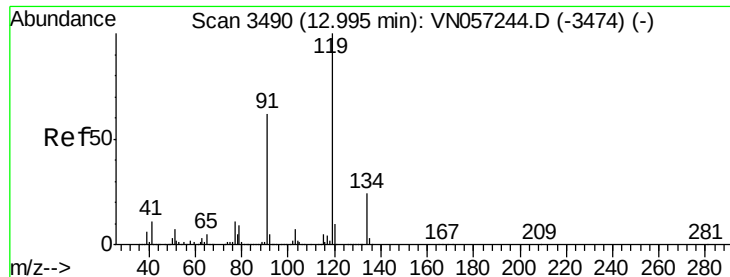
126 38.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V





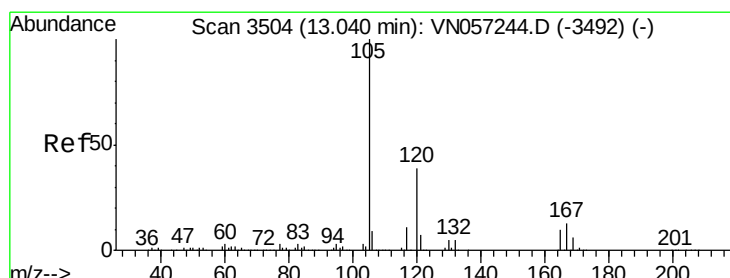
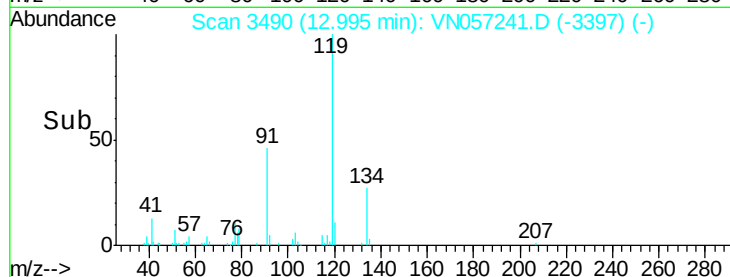
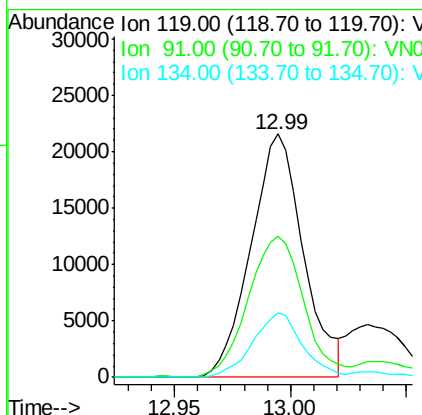
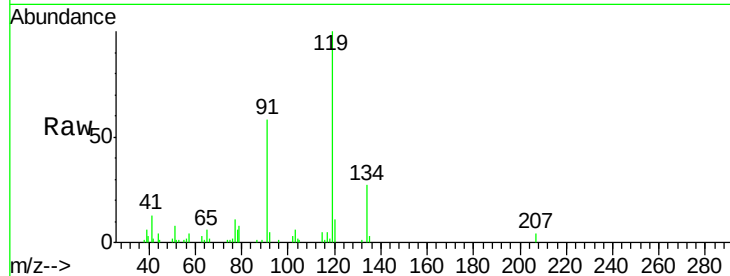
#83
 tert-Butylbenzene
 Concen: 1.658 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	119	Resp:	33823
Ion Ratio	Lower	Upper	
119	100		
91	61.8	30.8	92.3
134	25.2	12.9	38.7

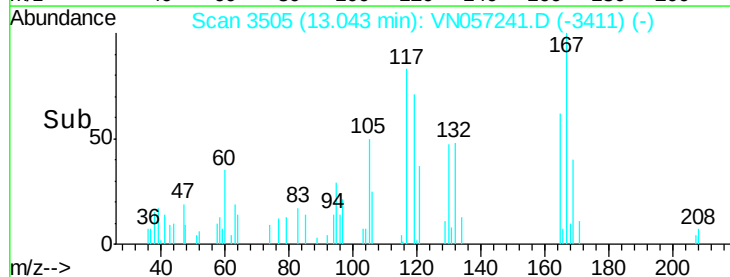
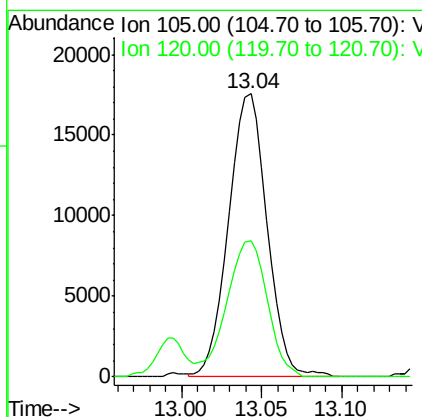
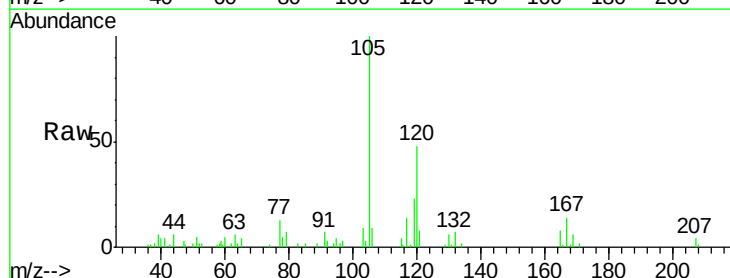
Manual Integrations
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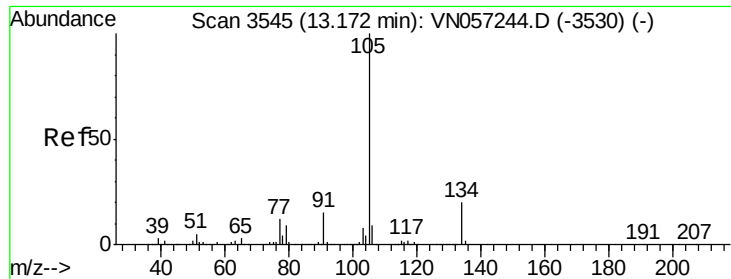
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#84
 1,2,4-Trimethylbenzene
 Concen: 1.278 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion:	105	Resp:	28743
Ion Ratio	Lower	Upper	
105	100		
120	50.5	23.2	69.5





#85

sec-Butylbenzene

Concen: 1.465 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 37724

Ion Ratio Lower Upper

105 100

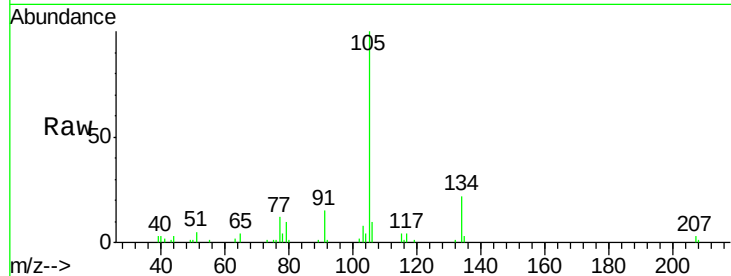
134 19.7 10.4 31.2

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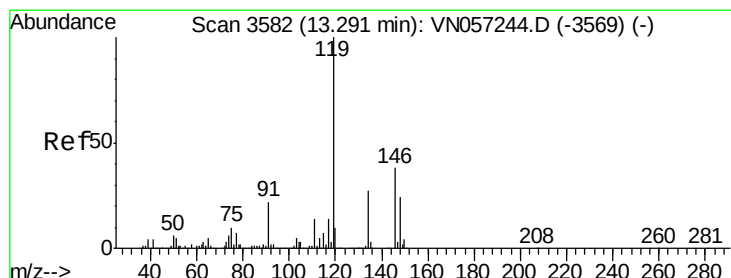
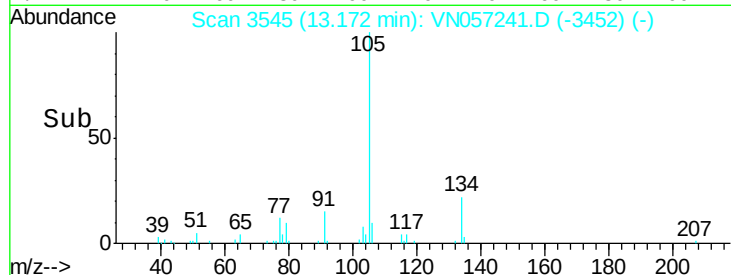
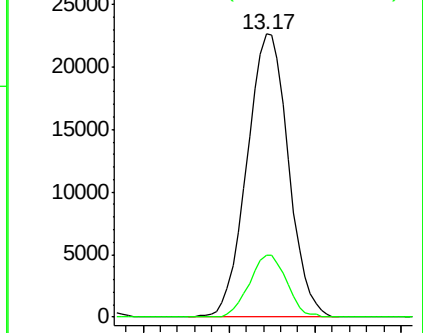
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.299 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057241.D

Acq: 13 Aug 2019 11:27

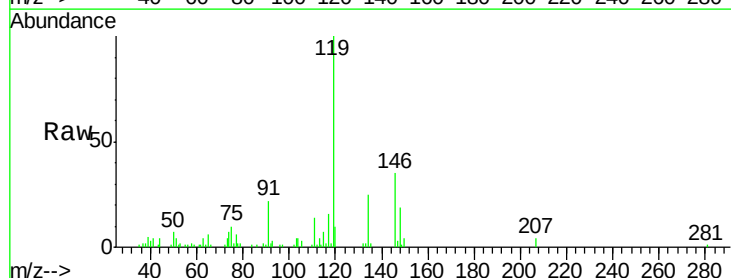
Tgt Ion:119 Resp: 30131

Ion Ratio Lower Upper

119 100

134 24.8 13.5 40.5

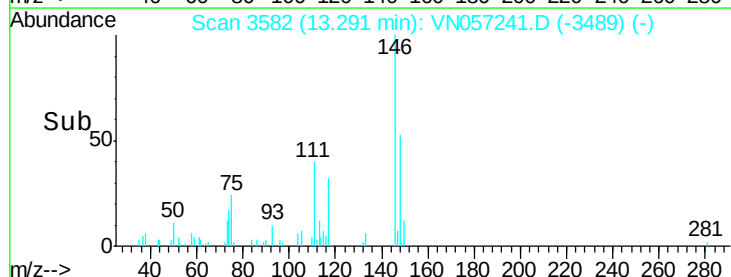
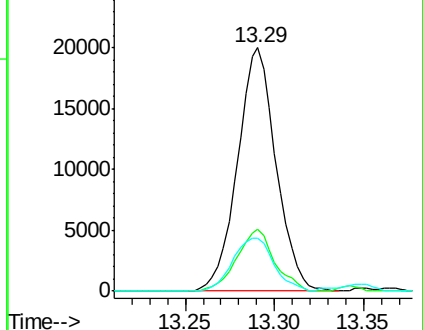
91 23.3 11.1 33.3

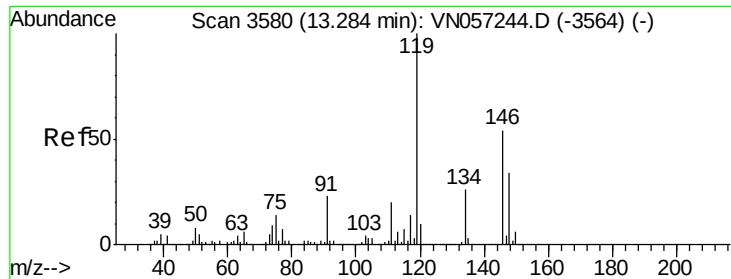


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





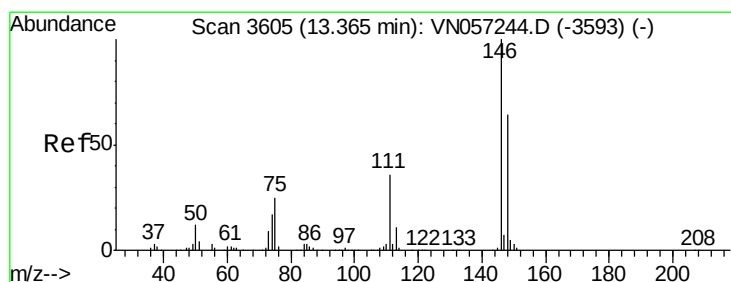
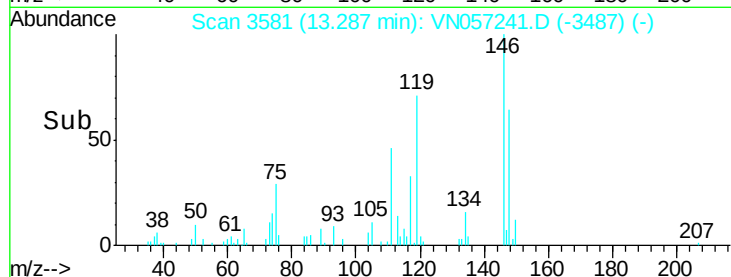
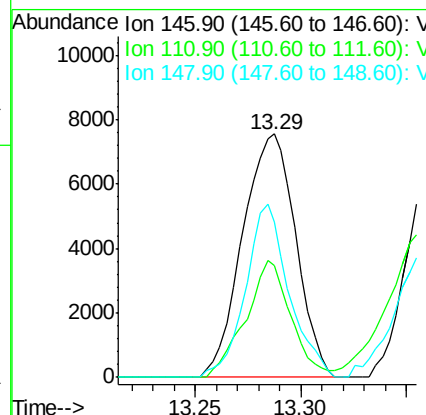
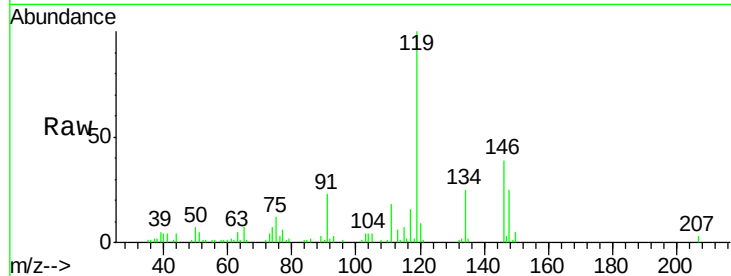
#87
 1,3-Dichlorobenzene
 Concen: 1.136 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.8	56.4
148	58.3	32.1	96.5

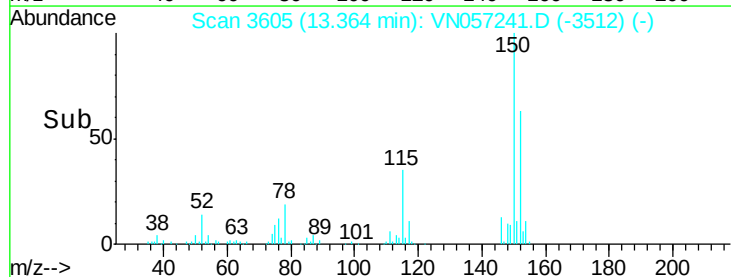
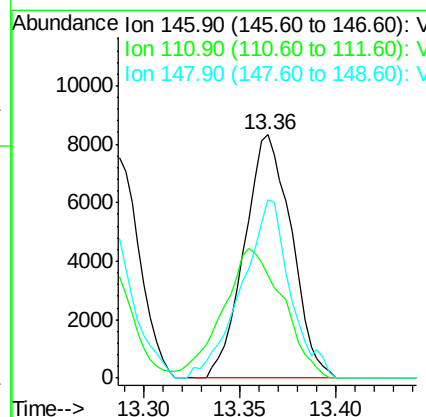
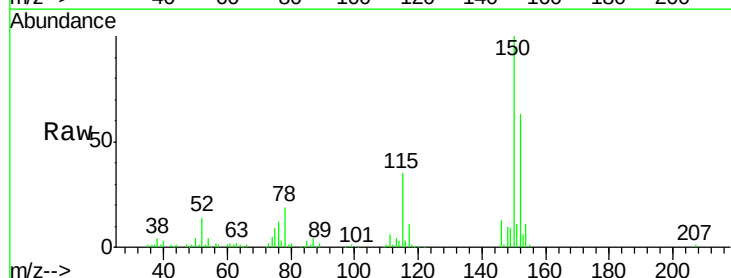
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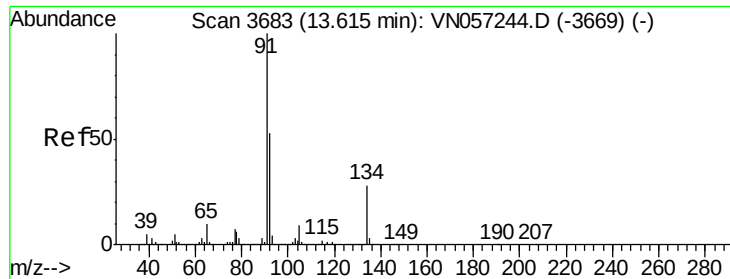
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#88
 1,4-Dichlorobenzene
 Concen: 1.257 ug/l m
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.3	54.8
148	54.5	32.0	96.0





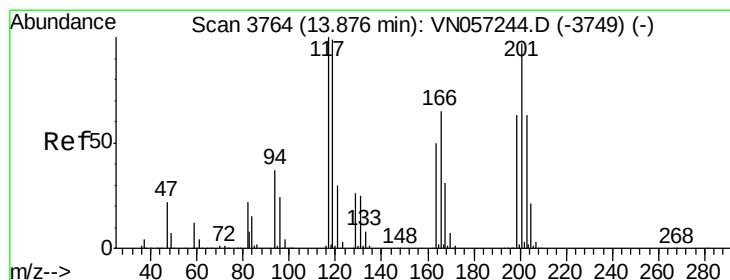
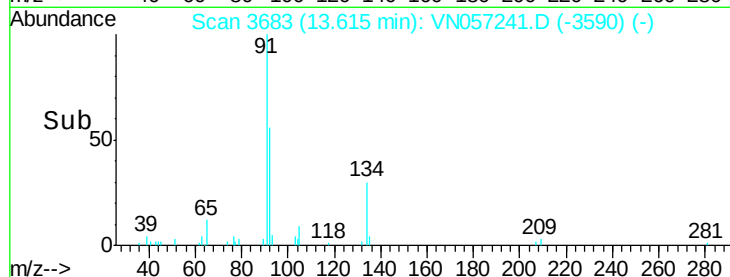
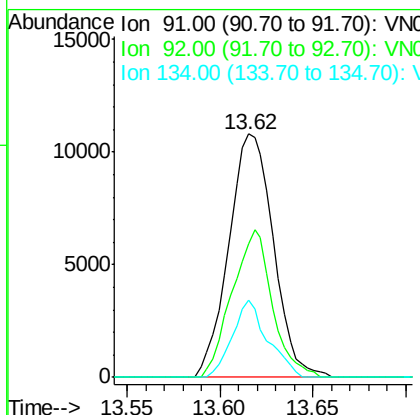
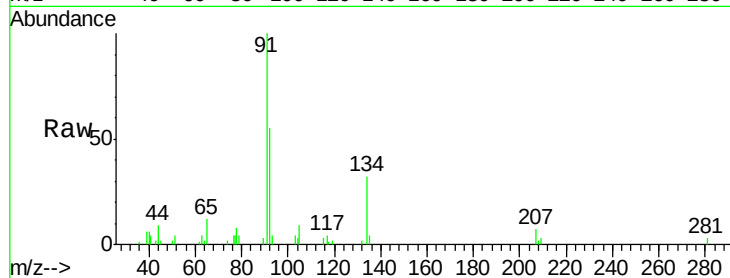
#89
n-Butylbenzene
Concen: 0.989 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	26.3	78.9
134	25.0	14.1	42.3

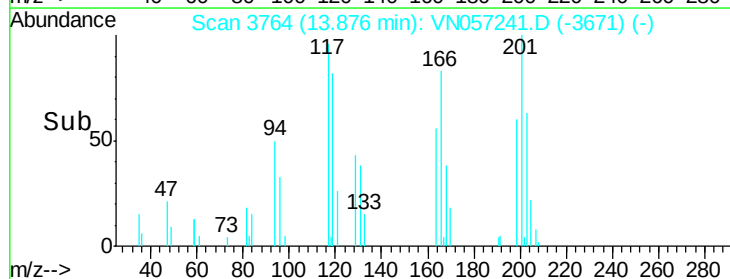
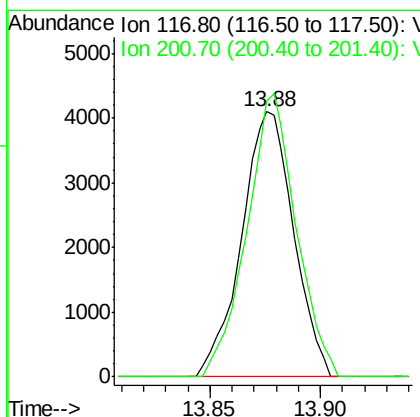
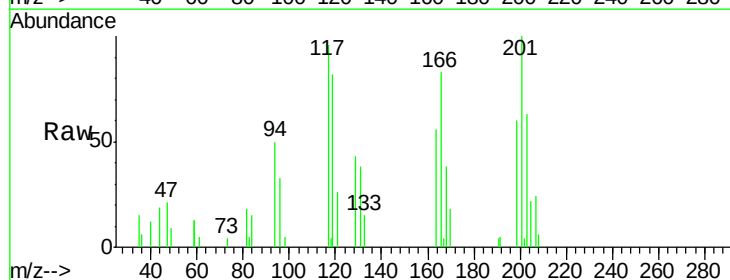
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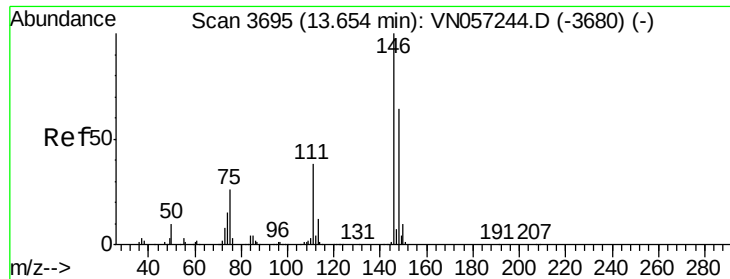
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#90
Hexachloroethane
Concen: 1.744 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.3	49.5	148.5





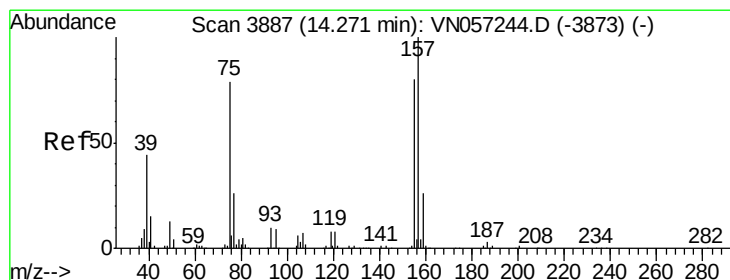
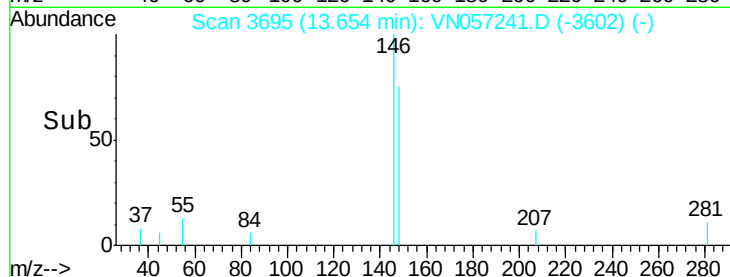
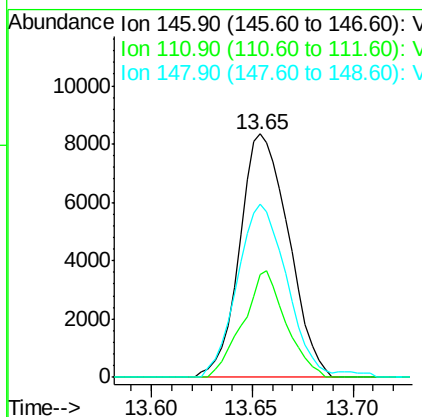
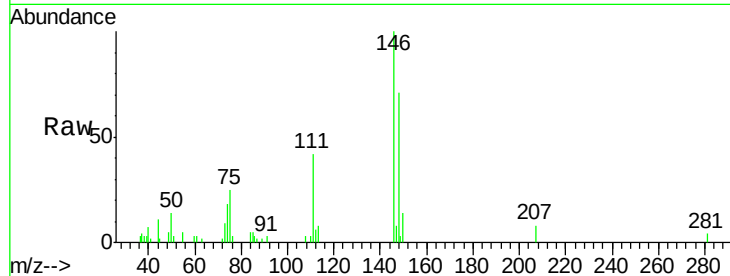
#91
 1,2-Dichlorobenzene
 Concen: 1.200 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.3	57.9
148	71.9	31.9	95.5

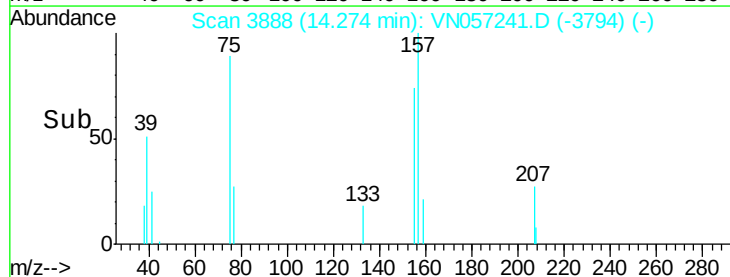
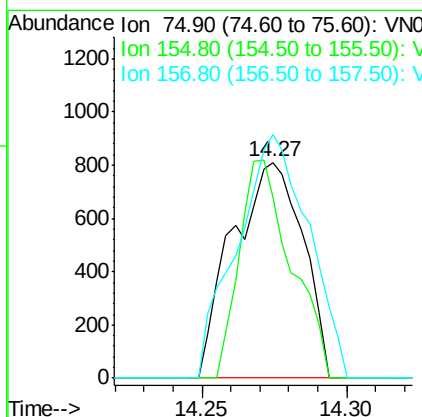
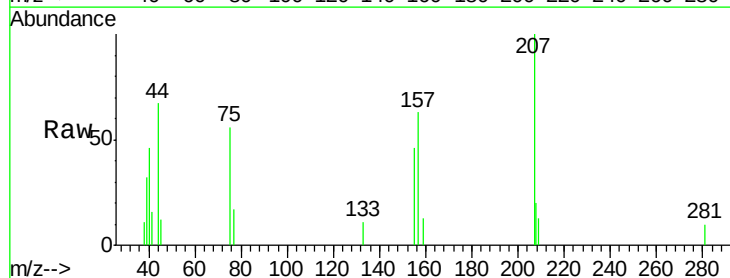
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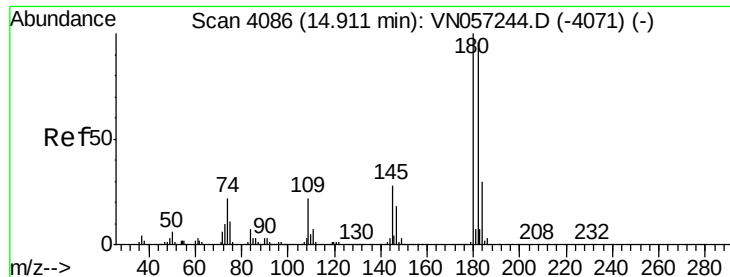
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.980 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	50.3	151.0
157	114.6	65.3	195.9





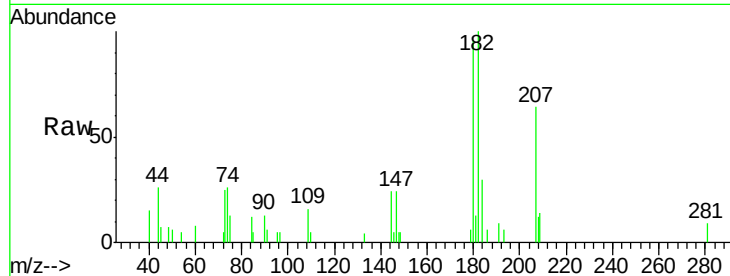
#93
 1,2,4-Trichlorobenzene
 Concen: 1.093 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

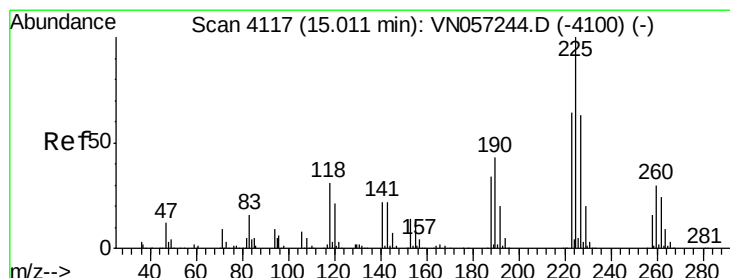
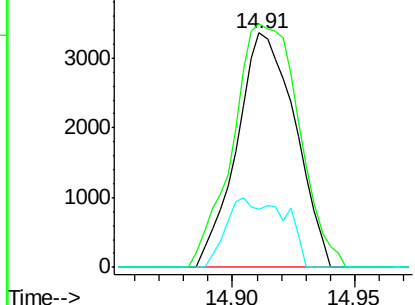
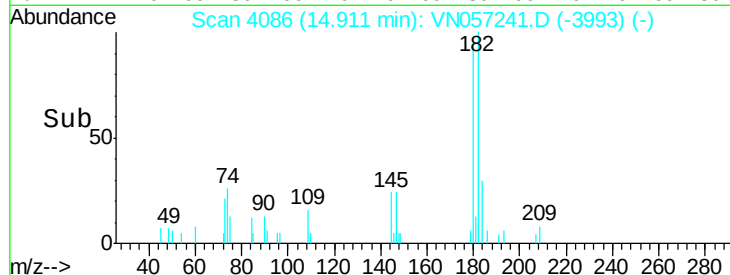
Tot Ion	Ratio	Lower	Upper
180	100		
182	117.5	47.7	143.1
145	29.7	14.2	42.6

Manual Integrations
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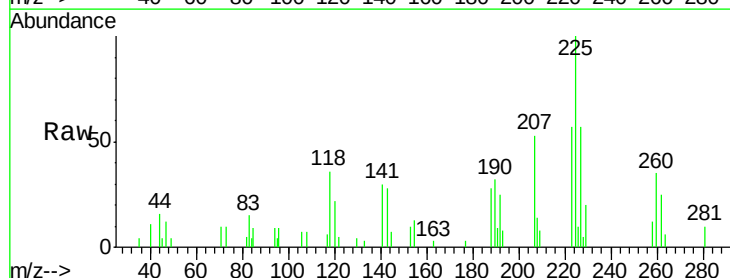


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

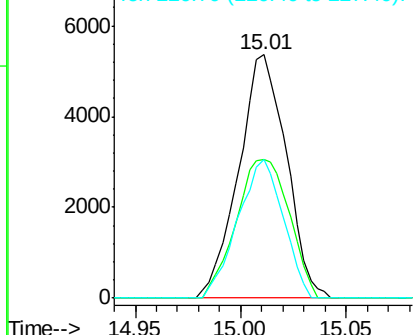
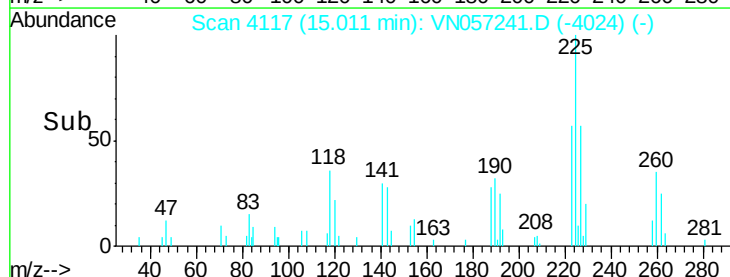


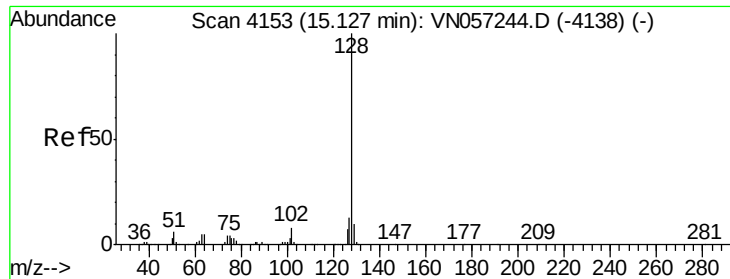
#94
 Hexachlorobutadiene
 Concen: 1.922 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057241.D
 Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.2
227	54.1	31.4	94.3



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





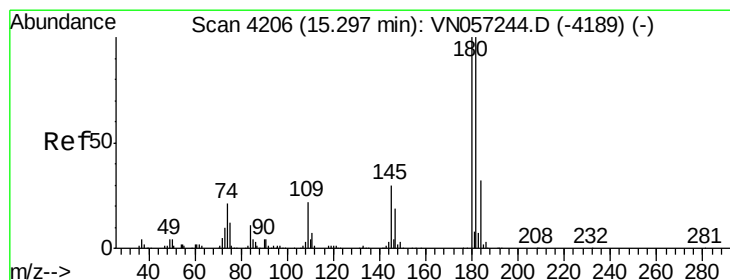
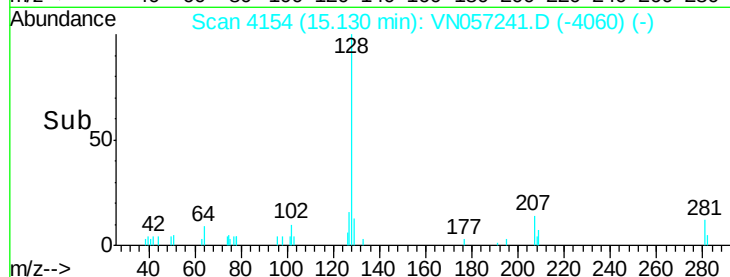
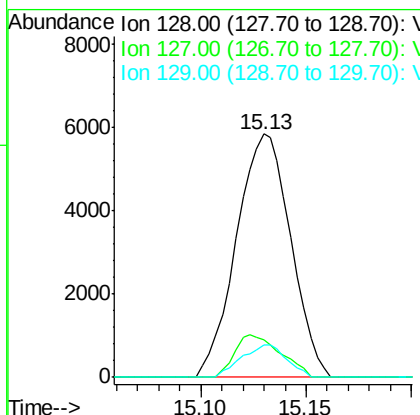
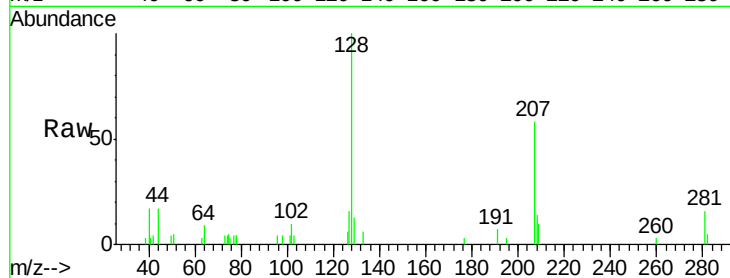
#95
Naphthalene
Concen: 0.795 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.4	15.6
129	11.1	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 1.479 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057241.D
Acq: 13 Aug 2019 11:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	89.5	48.9	146.7
145	28.3	15.0	45.1

