

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057289.D
 Acq On : 14 Aug 2019 16:14
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:13 AM

Quant Time: Aug 15 11:34:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	883275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1316998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1087140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	262516	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	8106	1.095 ug/l	85
3) Chloromethane	2.06	50	10181	1.212 ug/l	99
4) Vinyl Chloride	2.18	62	8606	1.057 ug/l	100
6) Chloroethane	2.70	64	6398	1.213 ug/l	93
7) Trichlorofluoromethane	3.02	101	13860	1.078 ug/l	97
8) Diethyl Ether	3.40	74	4934	1.052 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	8177	1.060 ug/l	93
12) 1,1-Dichloroethene	3.73	96	7926	1.033 ug/l	94
14) Allyl chloride	4.31	41	12596	1.077 ug/l	95
15) Acrylonitrile	4.98	53	16251	4.767 ug/l	96
16) Acetone	3.81	43	17912	5.859 ug/l	97
17) Carbon Disulfide	4.05	76	22137	1.060 ug/l #	95
18) Methyl Acetate	4.32	43	30695	2.925 ug/l #	74
19) Methyl tert-butyl Ether	5.03	73	24404m	1.059 ug/l	
20) Methylene Chloride	4.54	84	10530	1.179 ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	8709	1.067 ug/l	83
22) Diisopropyl ether	5.94	45	24209	1.049 ug/l #	87
23) Vinyl Acetate	5.89	43	93382	5.100 ug/l	95
24) 1,1-Dichloroethane	5.83	63	15850	1.096 ug/l #	94
25) 2-Butanone	6.83	43	22824	5.201 ug/l	98
26) 2,2-Dichloropropane	6.81	77	11649m	0.987 ug/l	
27) cis-1,2-Dichloroethene	6.82	96	10518	1.115 ug/l	93
28) Bromochloromethane	7.19	49	6570	1.020 ug/l #	88
29) Tetrahydrofuran	7.21	42	14928	5.329 ug/l	98
30) Chloroform	7.36	83	17666	1.167 ug/l	94
32) 1,1,1-Trichloroethane	7.56	97	12800	1.000 ug/l #	48
36) 1,1-Dichloropropene	7.78	75	11986	1.049 ug/l	97
37) Ethyl Acetate	6.92	43	7018	0.750 ug/l #	88
38) Carbon Tetrachloride	7.77	117	11967	0.984 ug/l	94
39) Methylcyclohexane	9.08	83	13298	0.984 ug/l	98
40) Benzene	8.03	78	36006	1.031 ug/l	95
41) Methacrylonitrile	7.17	41	3195m	0.817 ug/l	
42) 1,2-Dichloroethane	8.11	62	12245	1.091 ug/l	98
43) Isopropyl Acetate	8.19	43	33821m	2.175 ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	10314	1.024	ug/l	97
45) 1,2-Dichloropropane	9.11	63	9037	1.019	ug/l	96
46) Dibromomethane	9.20	93	6471	1.085	ug/l	94
47) Bromodichloromethane	9.40	83	12362	1.073	ug/l	87
48) Methyl methacrylate	9.20	41	7454	1.045	ug/l	92
49) 1,4-Dioxane	9.20	88	3054	19.063	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	44935	4.961	ug/l	100
52) Toluene	10.16	92	21109	0.974	ug/l	94
53) t-1,3-Dichloropropene	10.38	75	12015	0.975	ug/l	93
54) cis-1,3-Dichloropropene	9.84	75	13779	0.993	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	8679	1.020	ug/l	93
56) Ethyl methacrylate	10.43	69	10332	0.860	ug/l	93
57) 1,3-Dichloropropane	10.70	76	14255	1.015	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.69	63	12526	4.148	ug/l	99
59) 2-Hexanone	10.75	43	31046	4.823	ug/l	100
60) Dibromochloromethane	10.90	129	8773	0.919	ug/l	100
61) 1,2-Dibromoethane	11.00	107	9043	1.023	ug/l	94
64) Tetrachloroethene	10.63	164	10841	1.134	ug/l	96
65) Chlorobenzene	11.43	112	21887	0.989	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.51	131	8632	1.010	ug/l #	67
67) Ethyl Benzene	11.51	91	38452	1.015	ug/l	100
68) m/p-Xylenes	11.62	106	26320	1.860	ug/l	100
69) o-Xylene	11.95	106	12878	0.928	ug/l	98
70) Styrene	11.96	104	18628	0.869	ug/l	96
71) Bromoform	12.12	173	5886	0.896	ug/l #	99
73) Isopropylbenzene	12.25	105	33046	1.357	ug/l	97
74) N-amyl acetate	12.07	43	8230	1.158	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	10590	1.515	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	8589m	1.547	ug/l	
77) Bromobenzene	12.53	156	8515	1.285	ug/l	95
78) n-propylbenzene	12.59	91	29702	1.212	ug/l	98
79) 2-Chlorotoluene	12.67	91	20750	1.324	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	24591	1.246	ug/l	97
82) 4-Chlorotoluene	12.77	91	17773	1.239	ug/l	97
83) tert-Butylbenzene	12.99	119	25750	1.397	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	21127	1.144	ug/l	99
85) sec-Butylbenzene	13.17	105	27750	1.257	ug/l	98
86) p-Isopropyltoluene	13.29	119	21280	1.106	ug/l	95
87) 1,3-Dichlorobenzene	13.29	146	9750	1.075	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	9488	1.078	ug/l	88
89) n-Butylbenzene	13.62	91	12553	0.928	ug/l	96
90) Hexachloroethane	13.88	117	5609	1.491	ug/l	81
91) 1,2-Dichlorobenzene	13.66	146	8844	1.003	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1115	1.269	ug/l	72
93) 1,2,4-Trichlorobenzene	14.91	180	2935	0.928	ug/l	94
94) Hexachlorobutadiene	15.01	225	5052	1.191	ug/l	87
95) Naphthalene	15.13	128	5432	0.874	ug/l	95
96) 1,2,3-Trichlorobenzene	15.29	180	2894	0.902	ug/l	95

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VSTDICC001

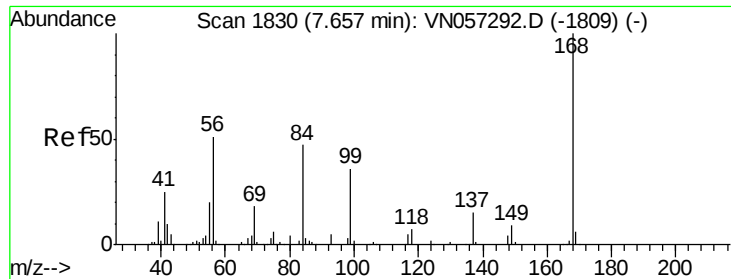
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 883275

Ion Ratio Lower Upper

168 100

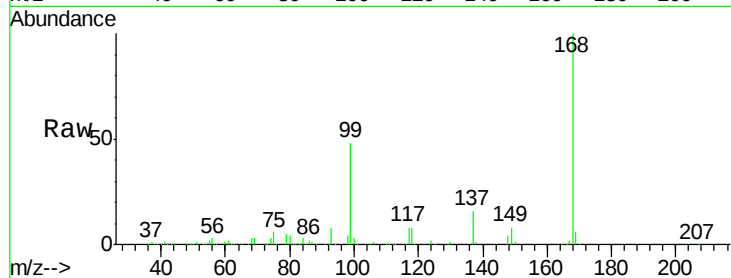
99 47.8 39.4 59.2

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

400000

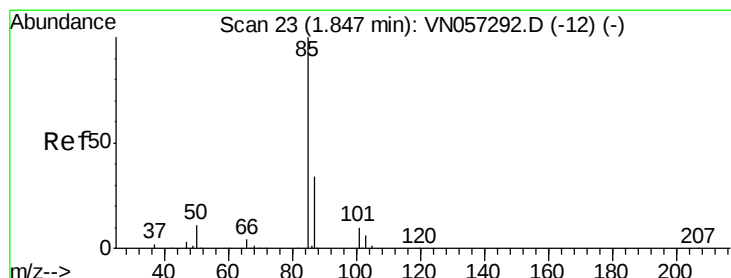
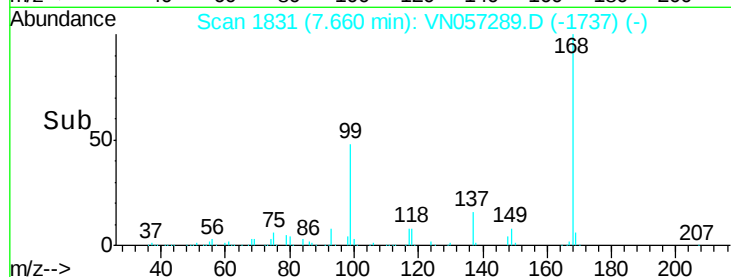
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.095 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057289.D

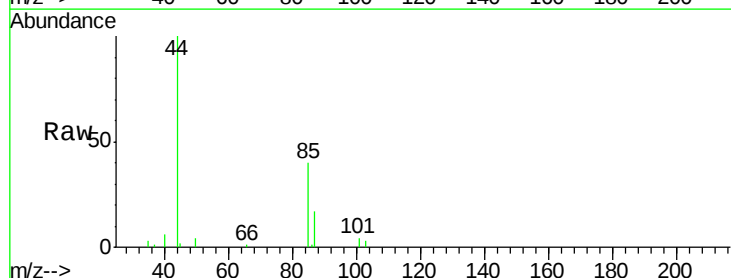
Acq: 14 Aug 2019 16:14

Tgt Ion: 85 Resp: 8106

Ion Ratio Lower Upper

85 100

87 42.5 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

6000

5000

4000

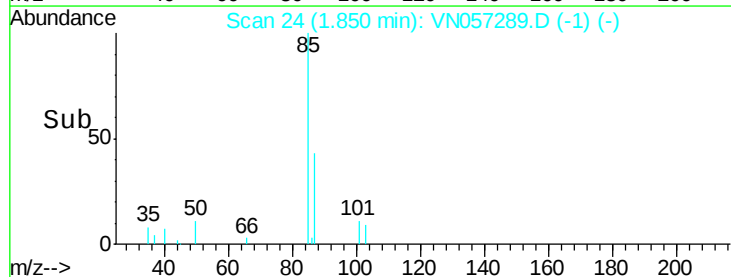
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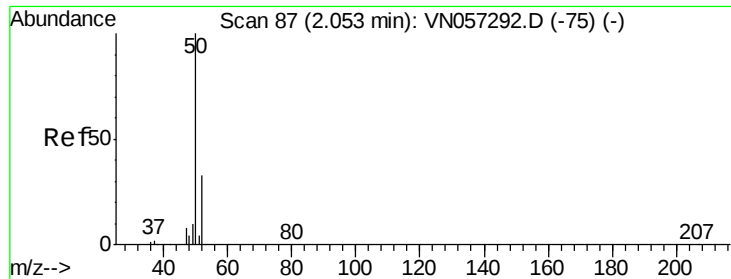
2000

1000

0

Time-->





#3

Chloromethane

Concen: 1.212 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 10181

Ion Ratio Lower Upper

50 100

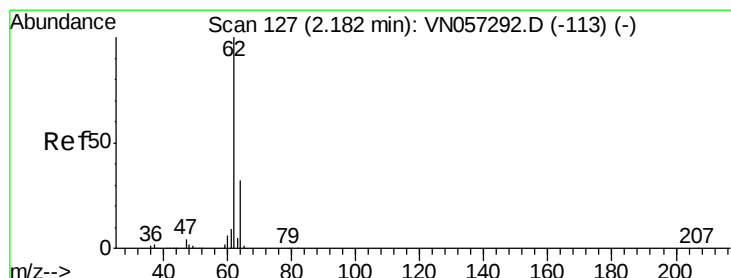
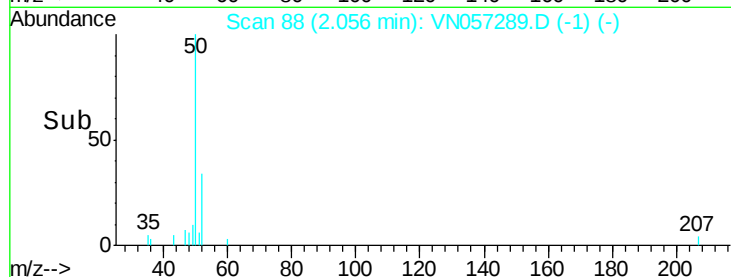
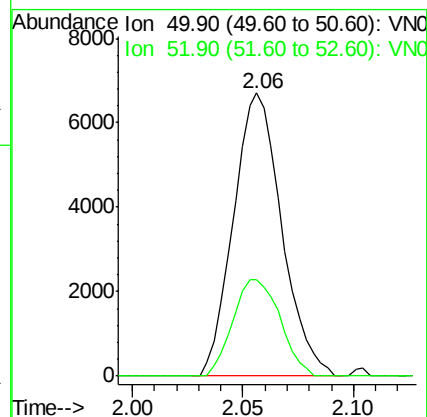
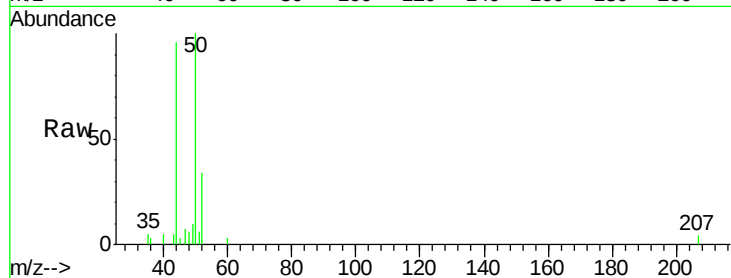
52 34.0 26.8 40.2

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#4

Vinyl Chloride

Concen: 1.057 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057289.D

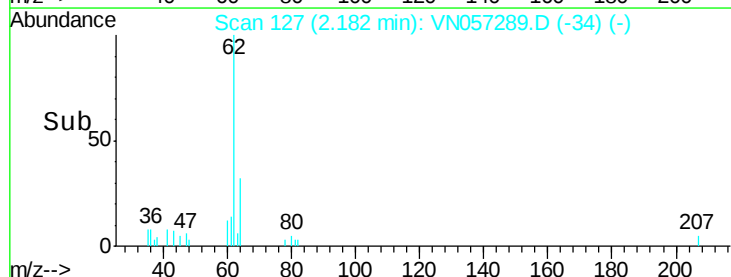
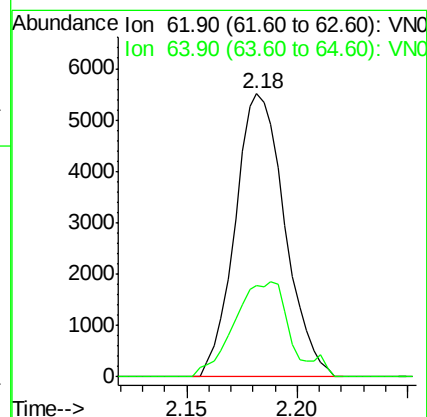
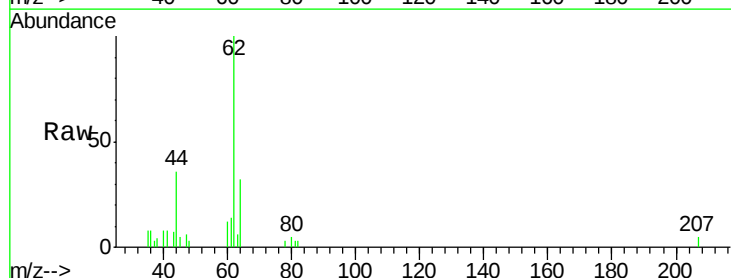
Acq: 14 Aug 2019 16:14

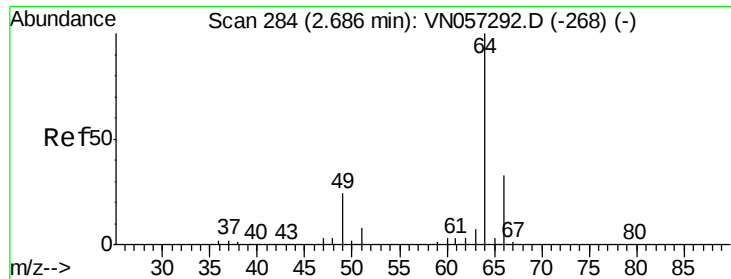
Tgt Ion: 62 Resp: 8606

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#6

Chloroethane

Concen: 1.213 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 6398

Ion Ratio Lower Upper

64 100

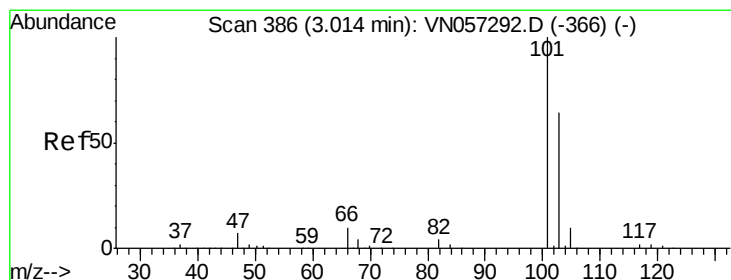
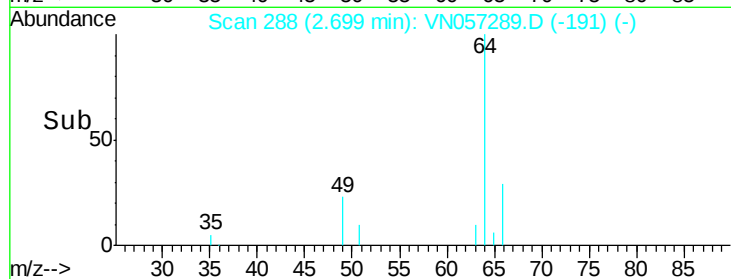
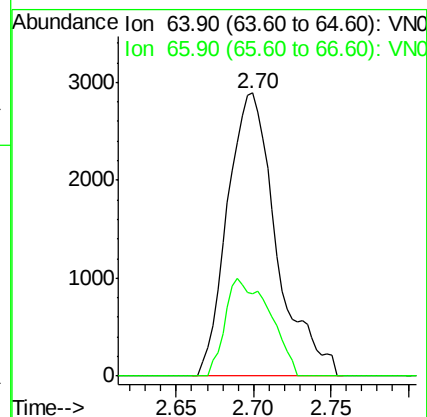
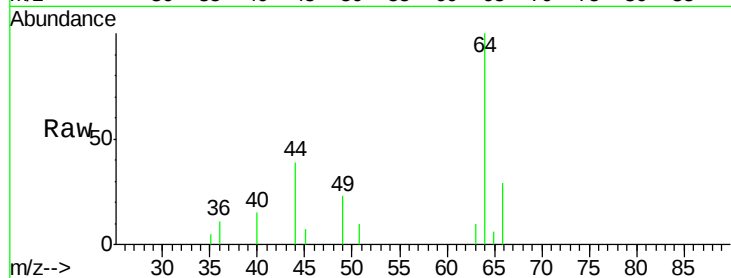
66 29.1 26.4 39.6

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 1.078 ug/l

RT: 3.02 min Scan# 388

Delta R.T. 0.01 min

Lab File: VN057289.D

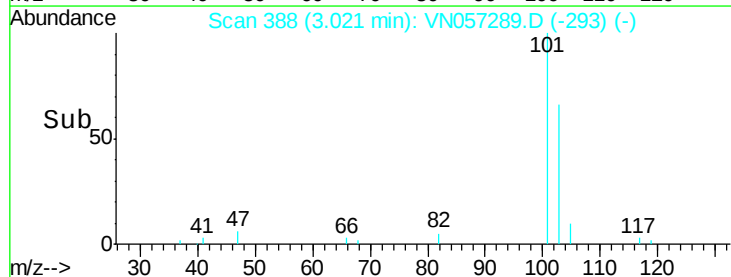
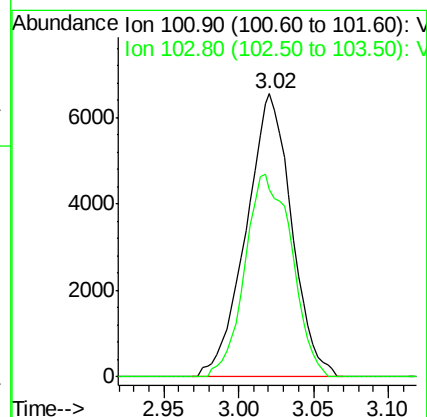
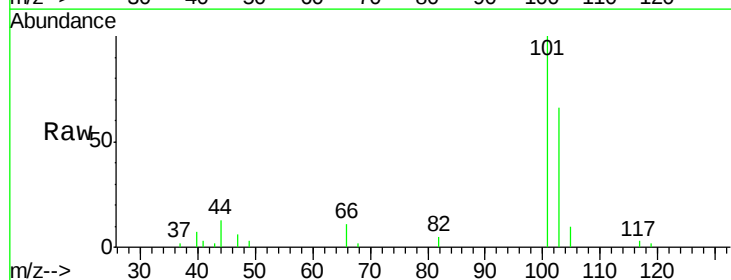
Acq: 14 Aug 2019 16:14

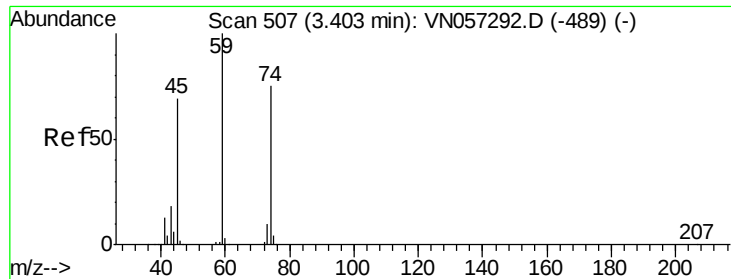
Tgt Ion: 101 Resp: 13860

Ion Ratio Lower Upper

101 100

103 66.4 51.5 77.3





#8

Diethyl Ether

Concen: 1.052 ug/l

RT: 3.40 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 4934

Ion Ratio Lower Upper

74 100

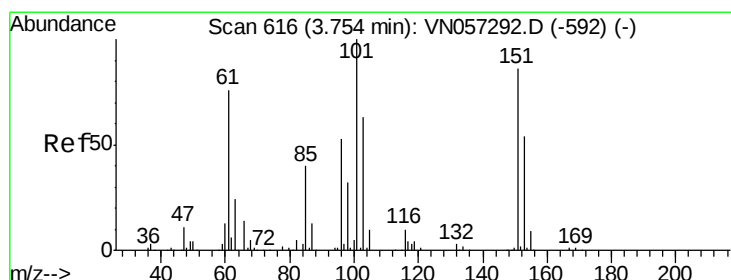
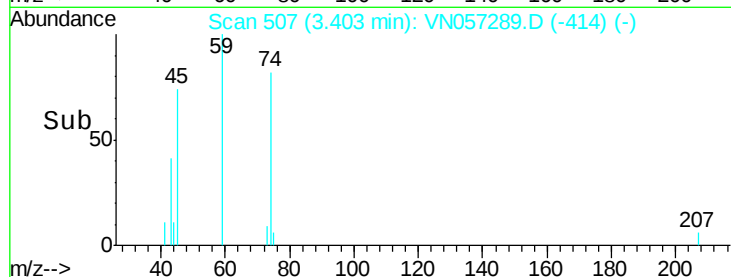
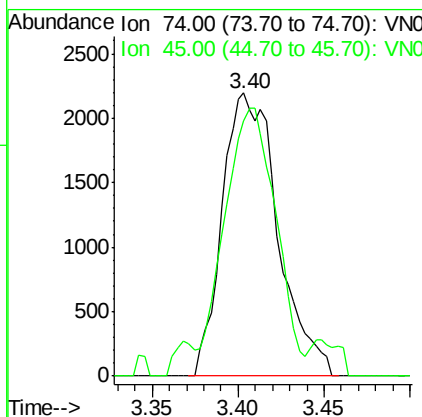
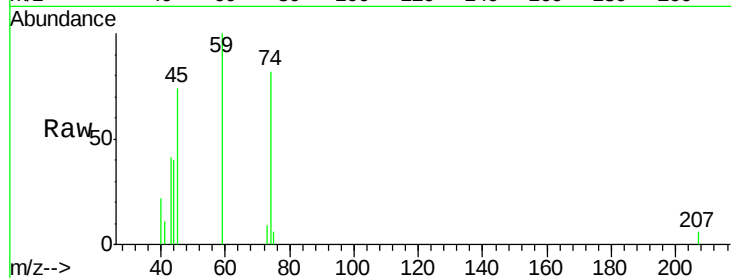
45 87.8 45.9 137.6

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.060 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

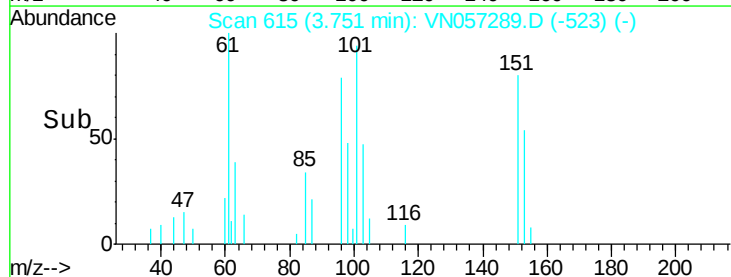
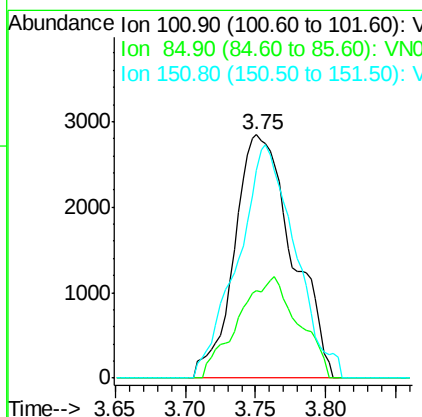
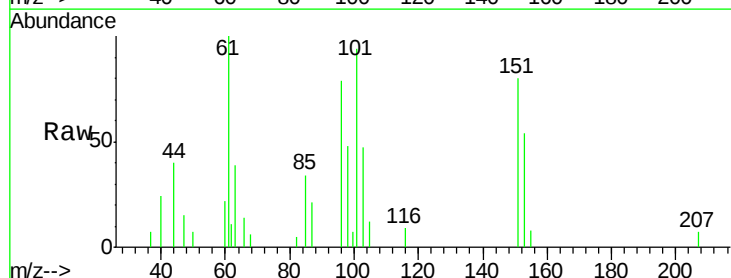
Tgt Ion: 101 Resp: 8177

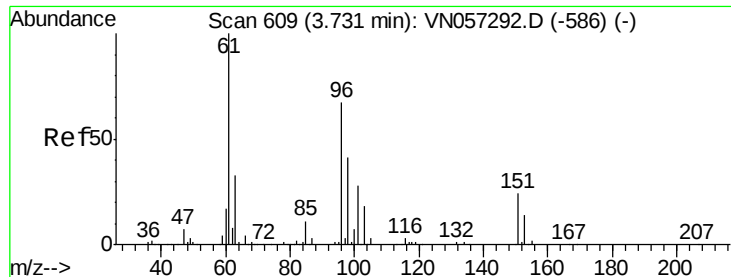
Ion Ratio Lower Upper

101 100

85 43.2 32.7 49.1

151 94.5 69.1 103.7





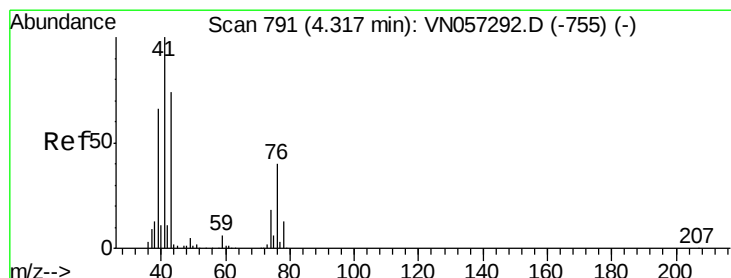
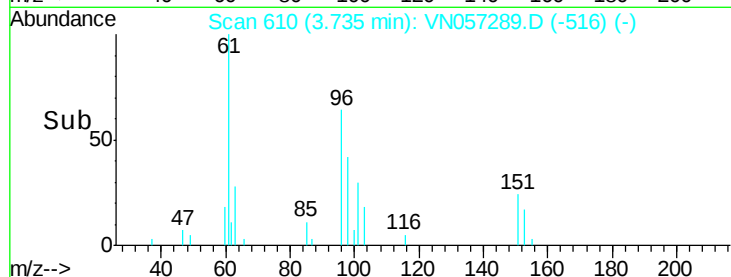
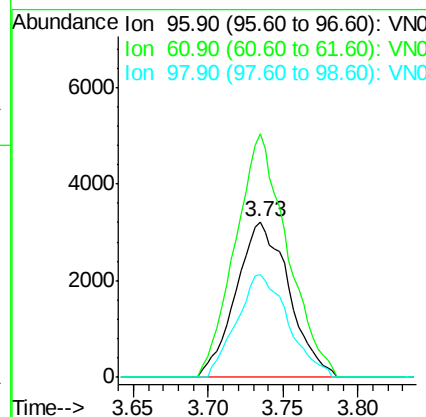
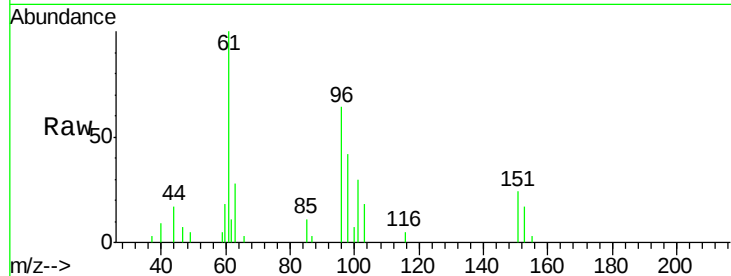
#12
 1,1-Dichloroethene
 Concen: 1.033 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057289.D
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Instrument :
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 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	119.7	179.5
98	66.4	49.0	73.4

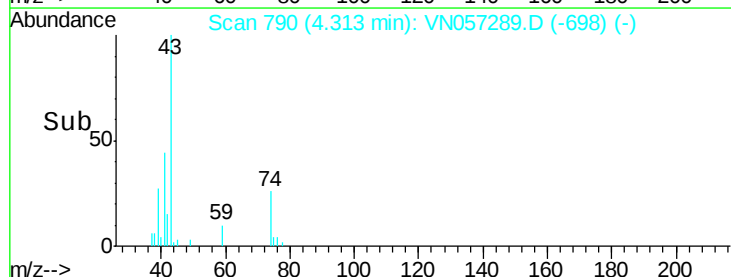
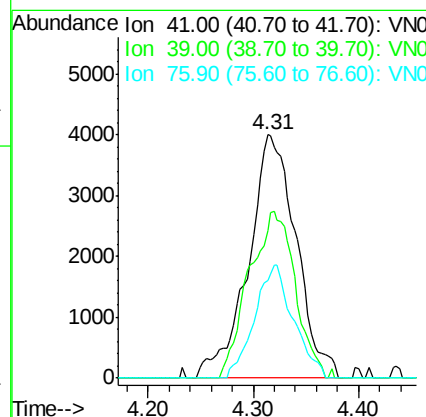
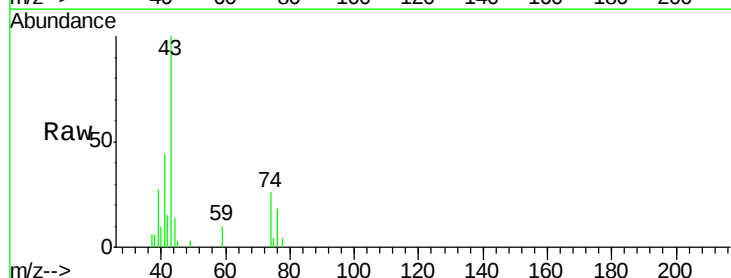
Manual Integrations
 APPROVED

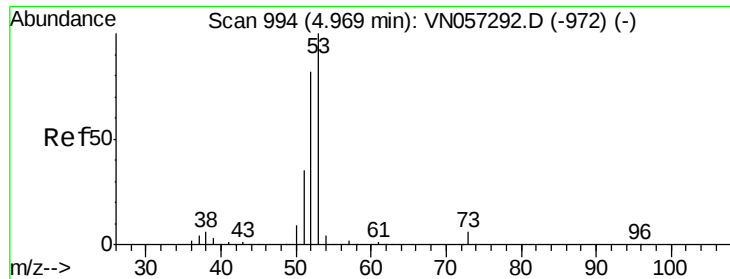
MMdadoda
 8/19/2019 1:53:13 AM



#14
 Allyl chloride
 Concen: 1.077 ug/l
 RT: 4.31 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.0	49.0	73.6
76	37.5	29.0	43.4





#15

Acrylonitrile

Concen: 4.767 ug/l

RT: 4.98 min Scan# 997

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

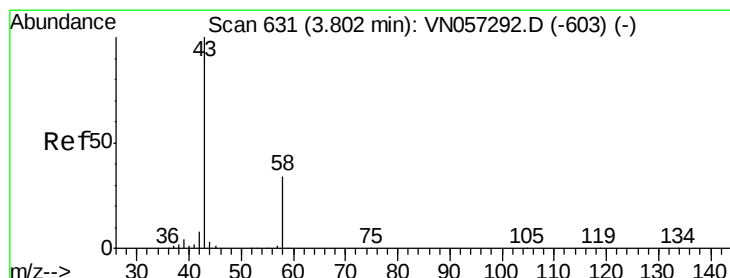
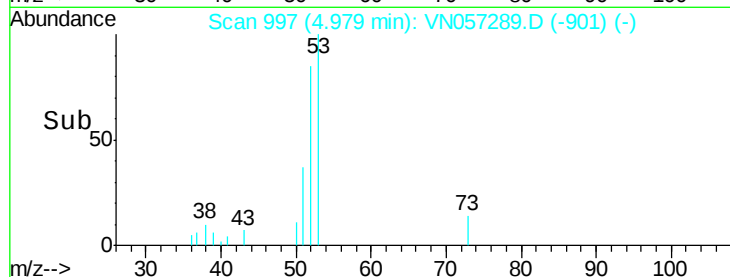
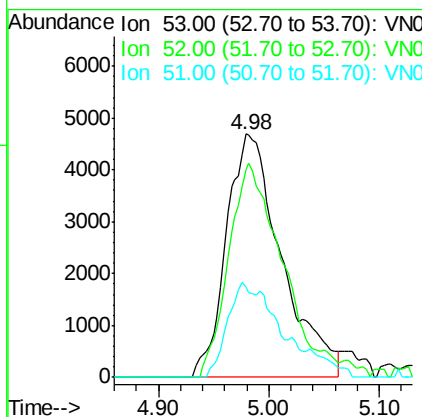
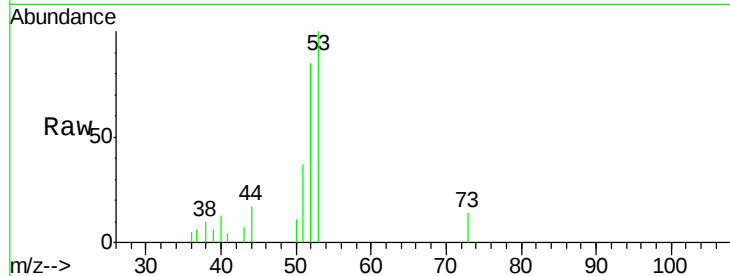
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	16251
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.2	99.2
51	39.6	28.5	42.7

Manual Integrations
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MMdadoda
8/19/2019 1:53:13 AM



#16

Acetone

Concen: 5.859 ug/l

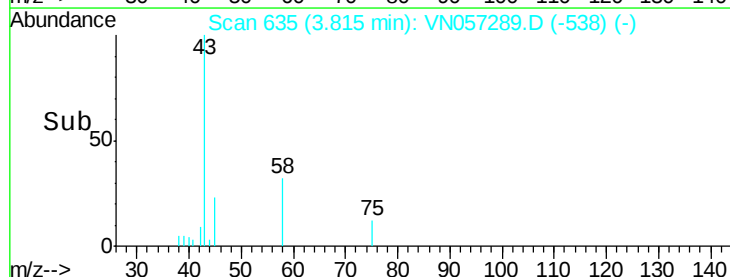
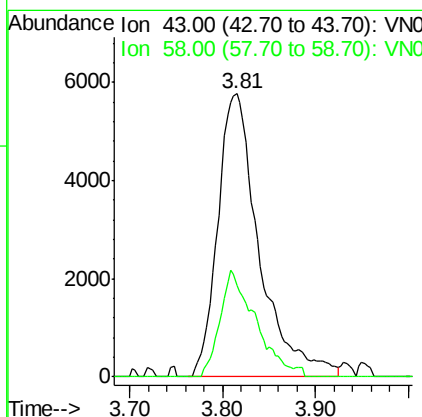
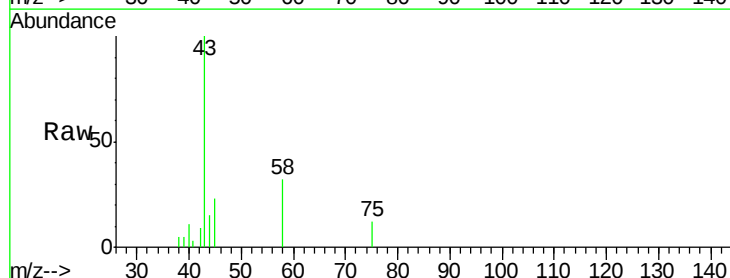
RT: 3.81 min Scan# 635

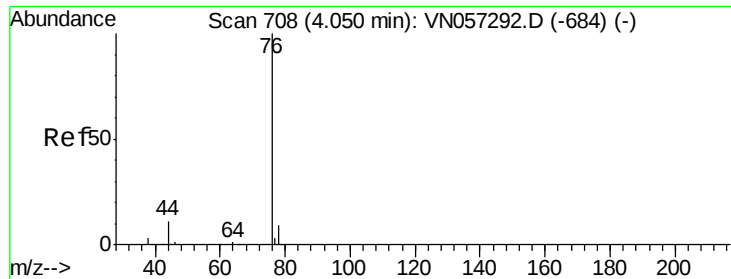
Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	43	Resp:	17912
Ion	Ratio	Lower	Upper
43	100		
58	32.1	27.0	40.6





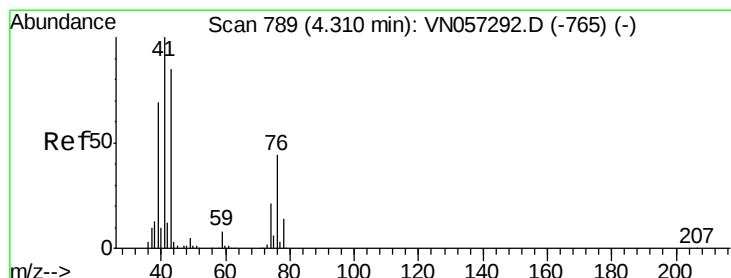
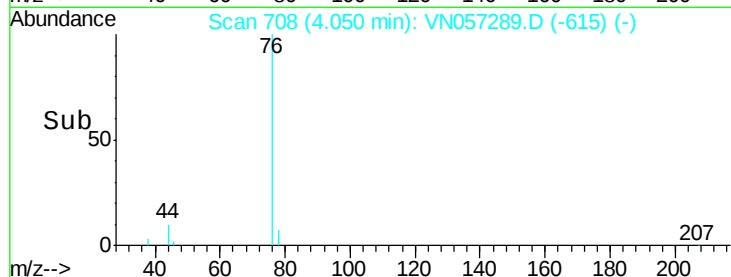
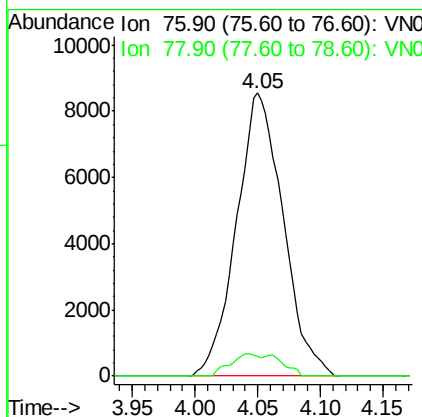
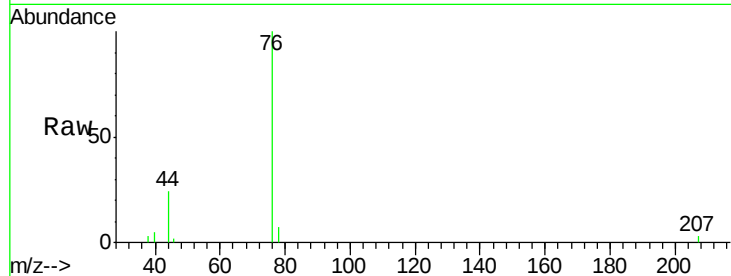
#17
Carbon Disulfide
Concen: 1.060 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.0	7.0	10.6#

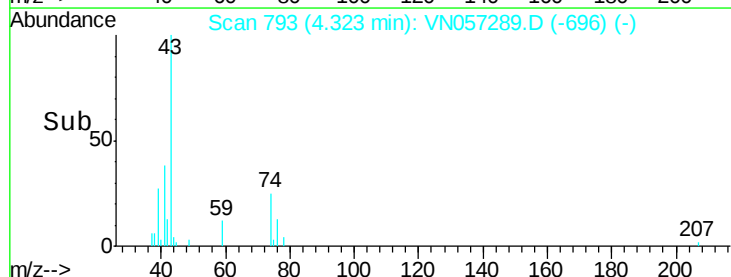
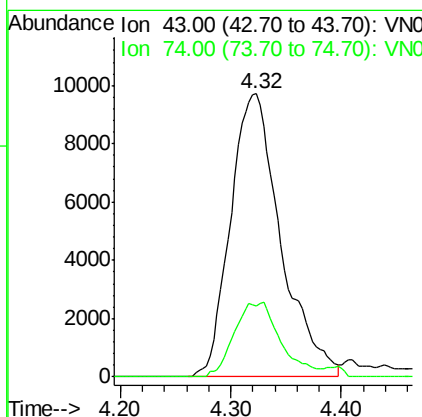
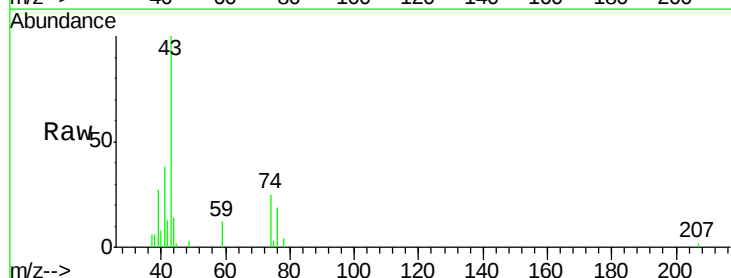
Manual Integrations
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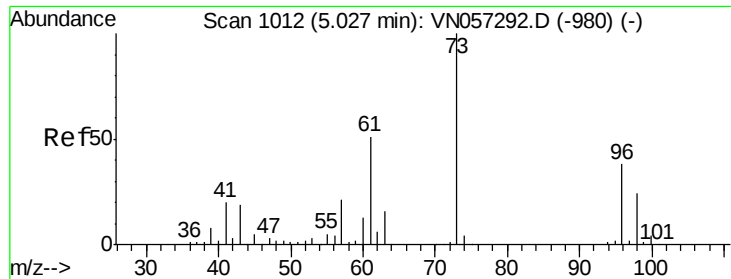
MMdadoda
8/19/2019 1:53:13 AM



#18
Methyl Acetate
Concen: 2.925 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.1	20.2	30.2#





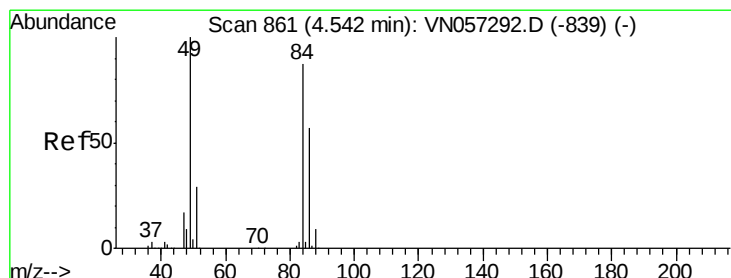
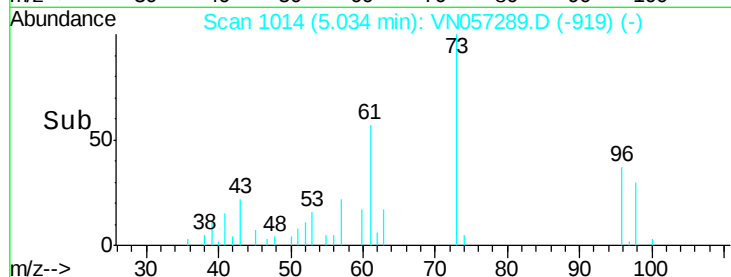
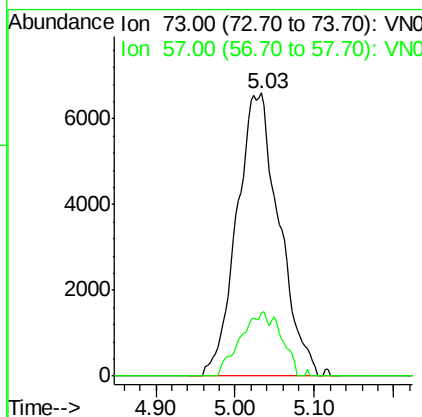
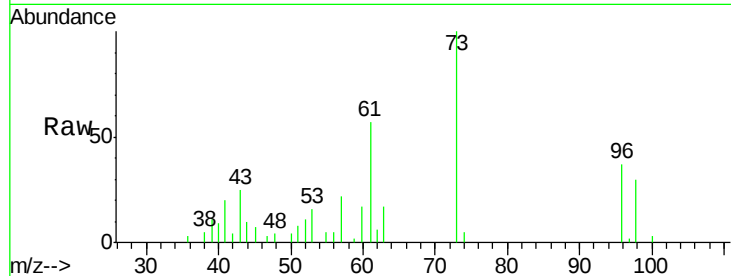
#19
Methvl tert-butvl Ether
Concen: 1.059 ug/l m
RT: 5.03 min Scan# 1014
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 73 Resp: 24404
Ion Ratio Lower Upper
73 100
57 22.4 16.9 25.3

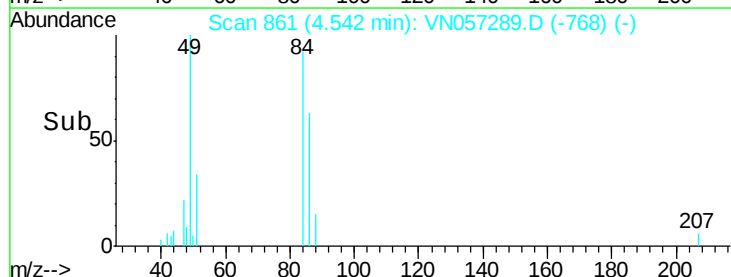
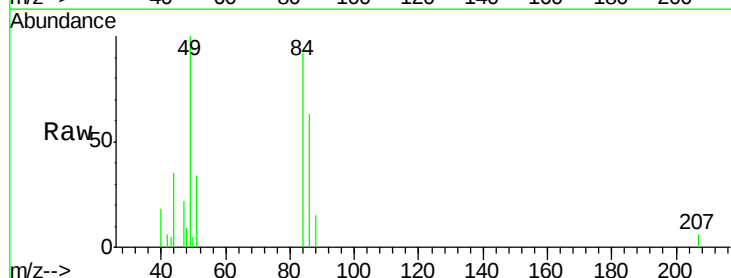
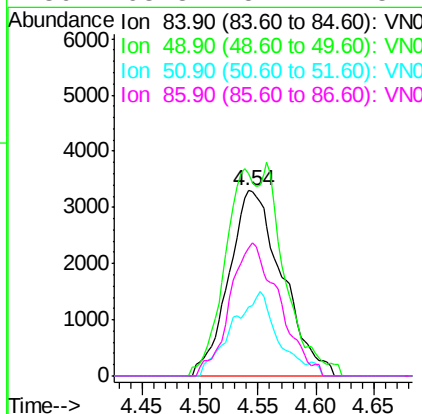
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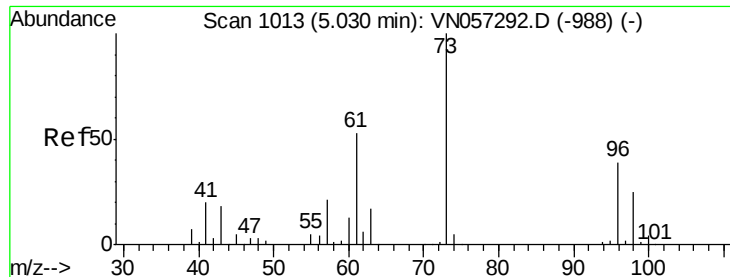
MMdadoda
8/19/2019 1:53:13 AM



#20
Methylene Chloride
Concen: 1.179 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 84 Resp: 10530
Ion Ratio Lower Upper
84 100
49 109.1 92.0 138.0
51 37.2 27.1 40.7
86 68.8 52.2 78.2





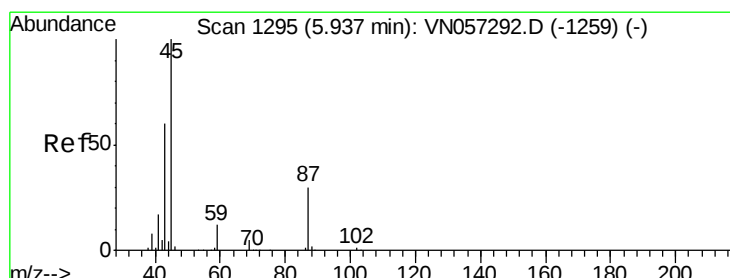
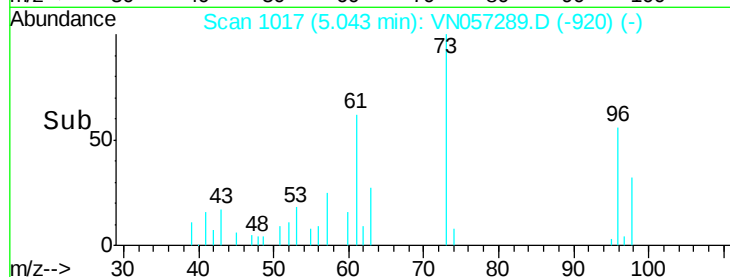
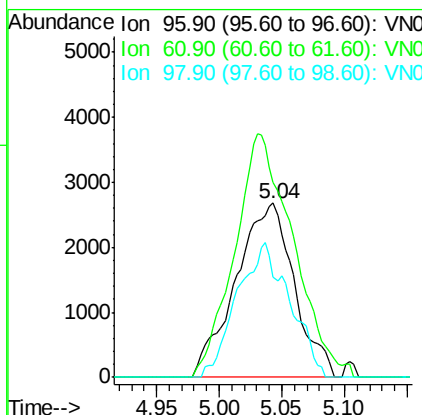
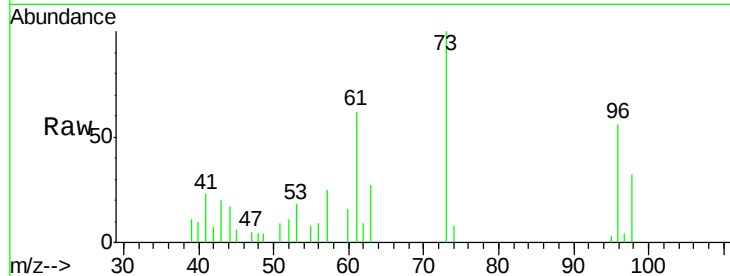
#21
trans-1,2-Dichloroethene
Concen: 1.067 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	111.7	109.5	164.3
98	57.8	51.0	76.6

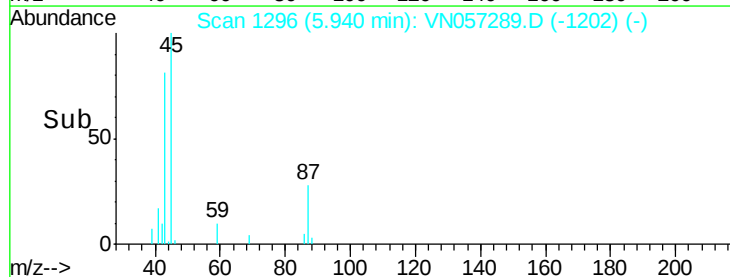
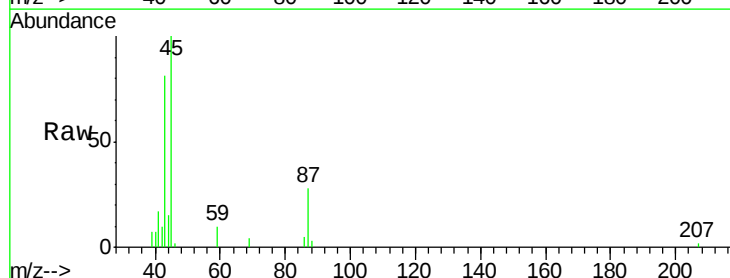
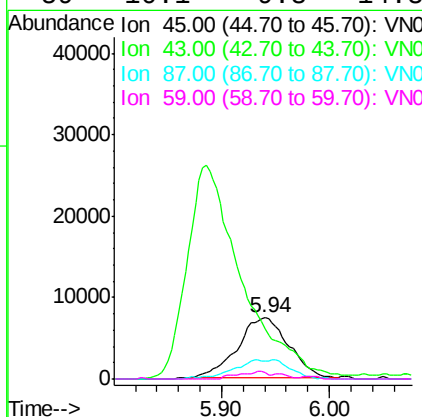
Manual Integrations
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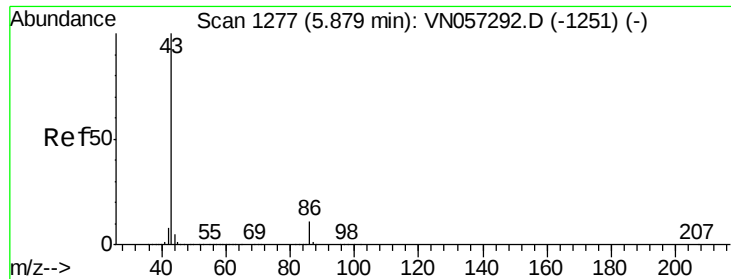
MMdadoda
8/19/2019 1:53:13 AM



#22
Diisopropyl ether
Concen: 1.049 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.9	48.3	72.5#
87	28.9	24.6	36.8
59	10.1	9.8	14.8





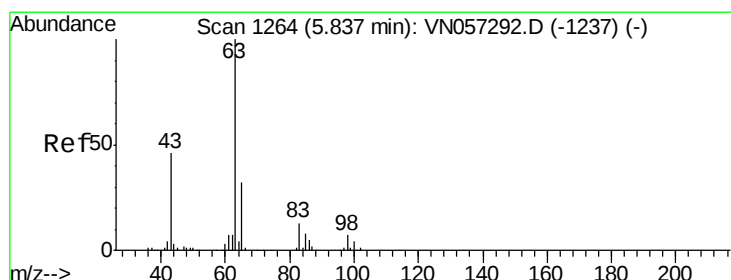
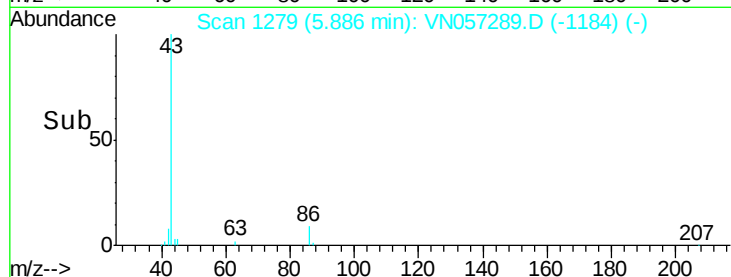
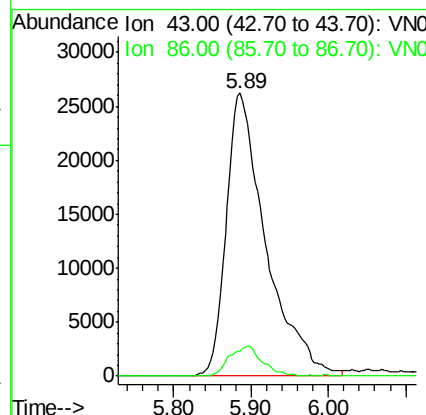
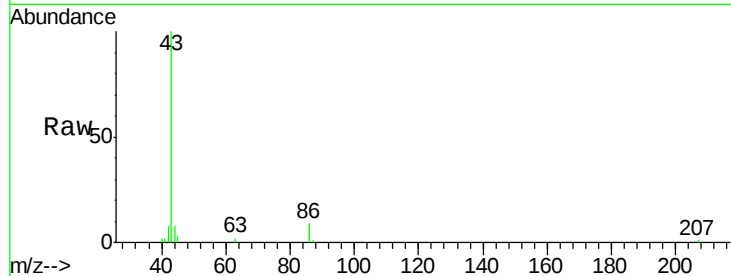
#23
 Vinyl Acetate
 Concen: 5.100 ug/l
 RT: 5.89 min Scan# 1279
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	93382
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	8.7	13.1

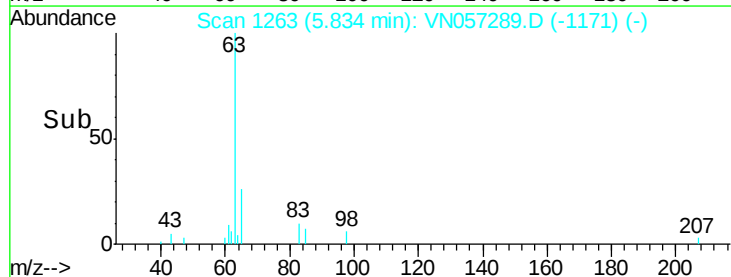
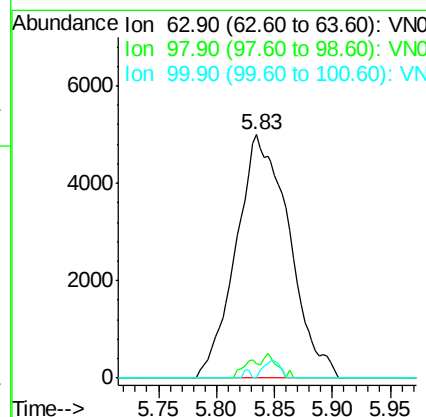
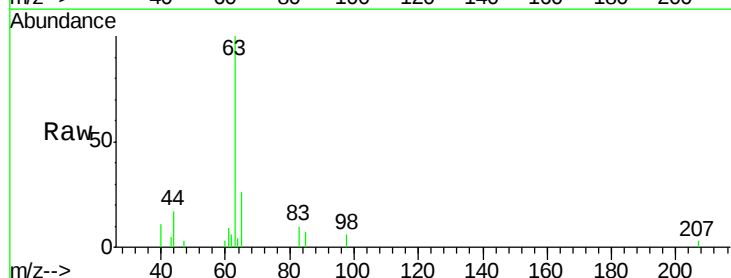
Manual Integrations
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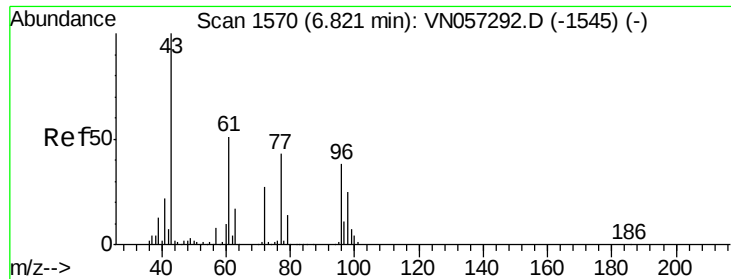
MMDadoda
 8/19/2019 1:53:13 AM



#24
 1,1-Dichloroethane
 Concen: 1.096 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	63	Resp	15850
Ion Ratio	100	Lower	Upper
63	100		
98	6.1	3.3	9.9
100	0.0	2.1	6.5#





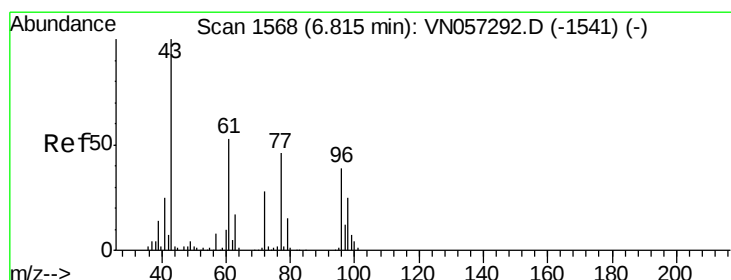
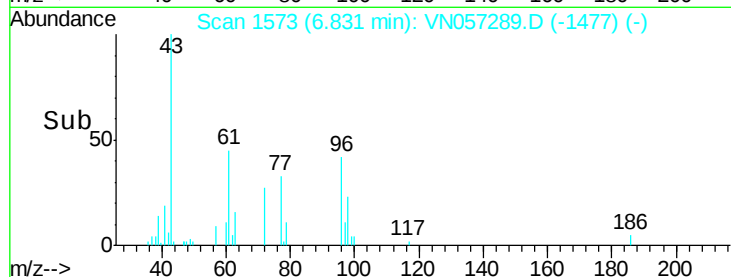
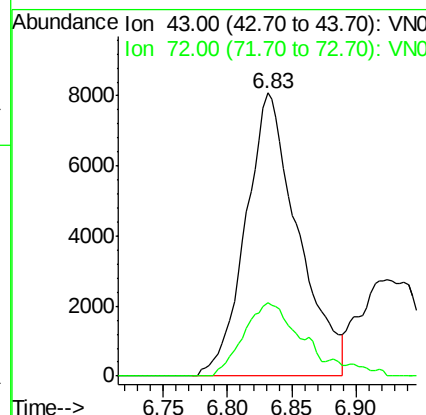
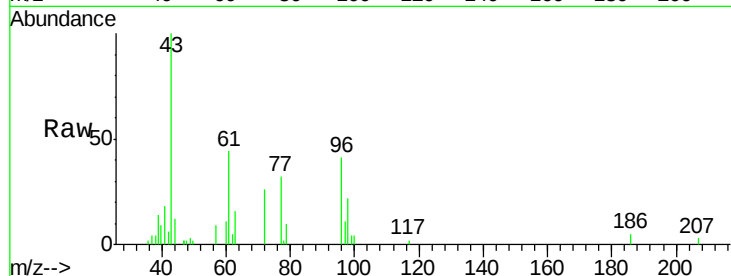
#25
2-Butanone
Concen: 5.201 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	22824
Ion Ratio	100	Lower	Upper
72	26.0	21.5	32.3

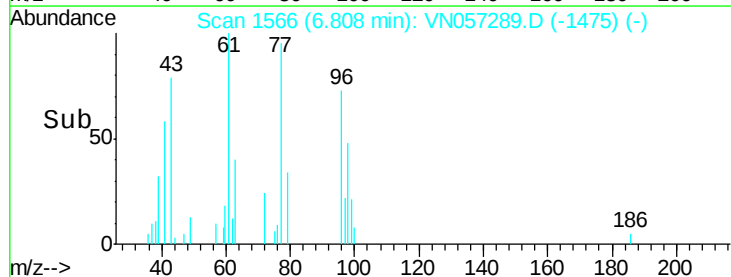
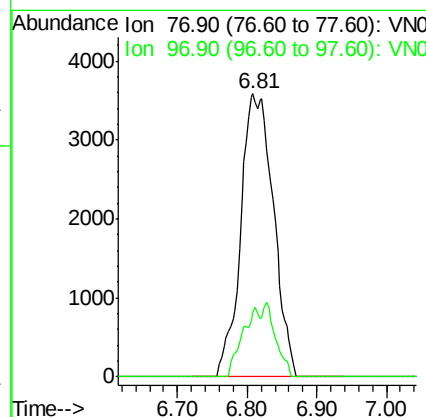
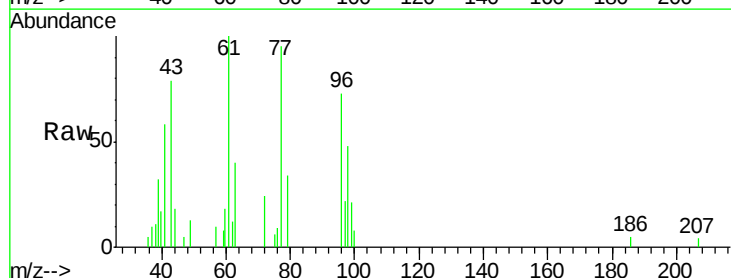
Manual Integrations
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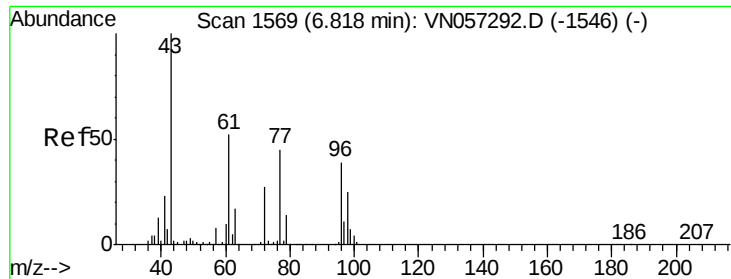
MMdadoda
8/19/2019 1:53:13 AM



#26
2,2-Dichloropropane
Concen: 0.987 ug/l m
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	77	Resp	11649
Ion Ratio	100	Lower	Upper
97	13.2	12.3	36.9





#27

cis-1,2-Dichloroethene

Concen: 1.115 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

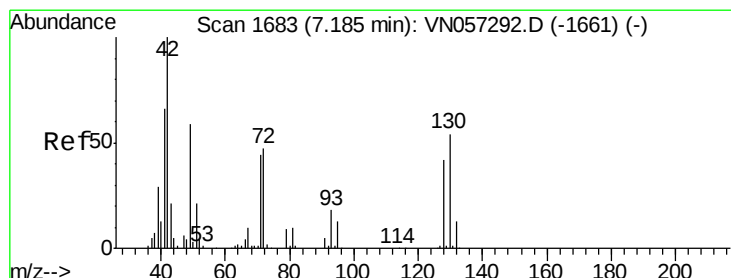
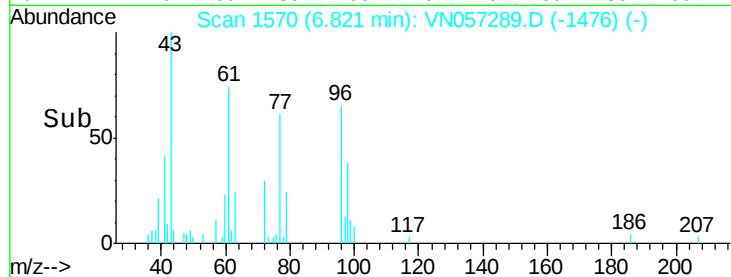
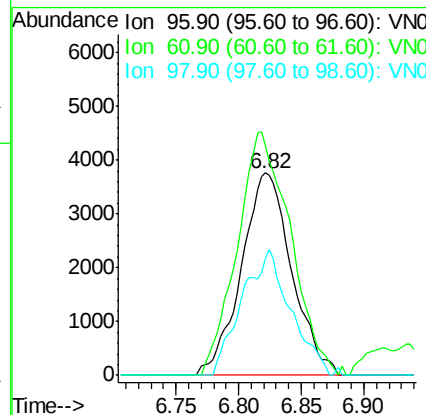
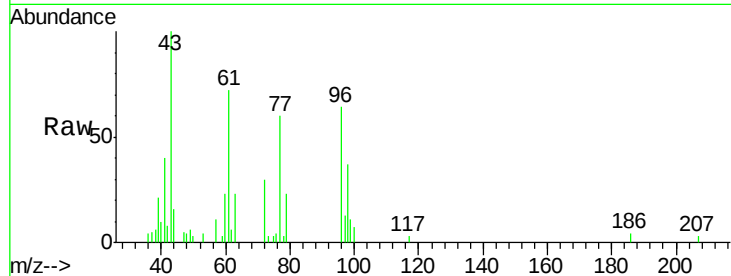
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	10518
Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	272.0
98	59.9	0.0	130.4

Manual Integrations
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MMdadoda
8/19/2019 1:53:13 AM



#28

Bromochloromethane

Concen: 1.020 ug/l

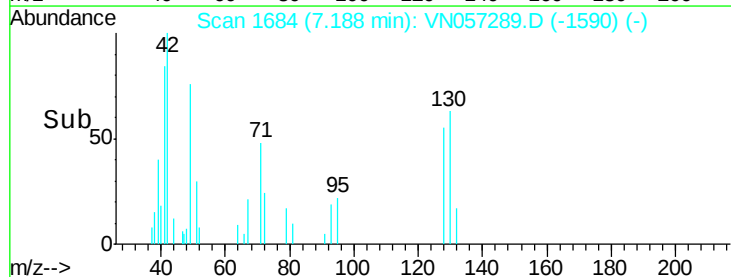
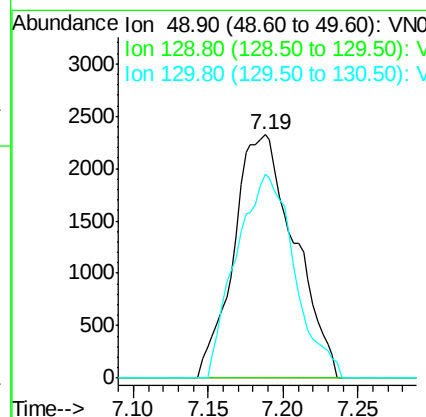
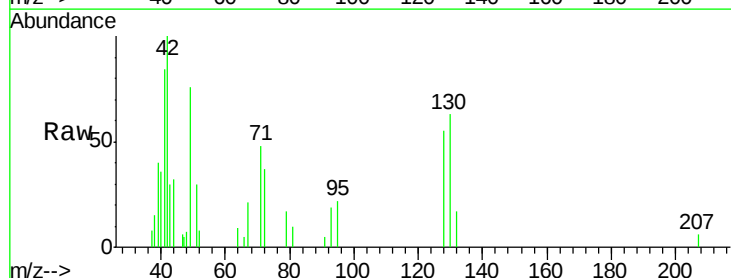
RT: 7.19 min Scan# 1684

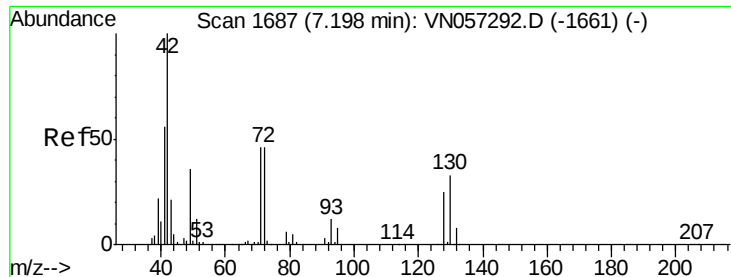
Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	49	Resp:	6570
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	80.2	73.2	109.8





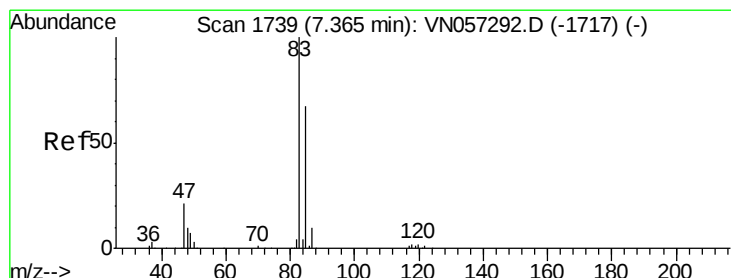
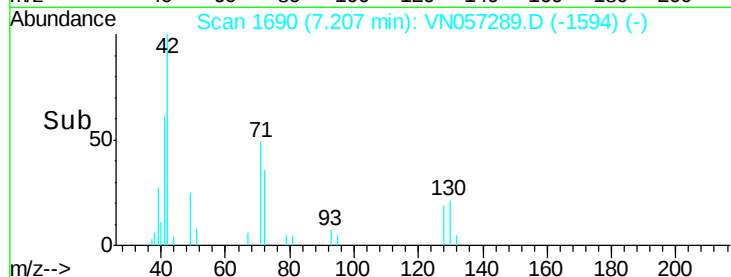
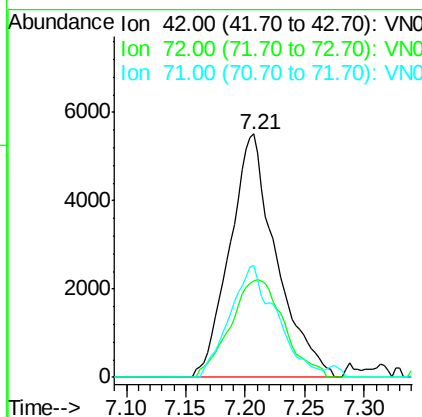
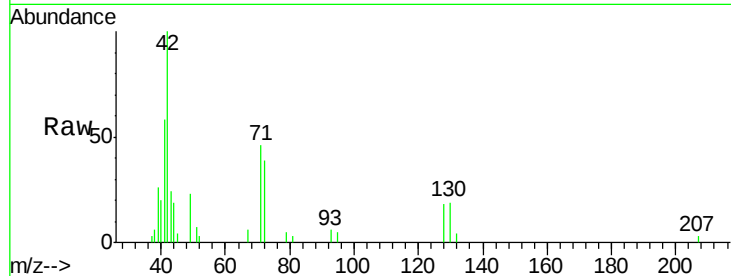
#29
Tetrahydrofuran
Concen: 5.329 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	37.8	56.6
71	46.5	35.7	53.5

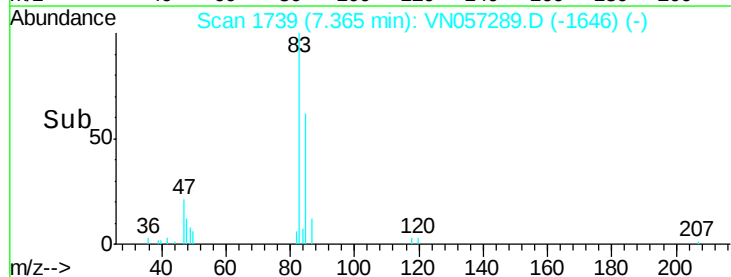
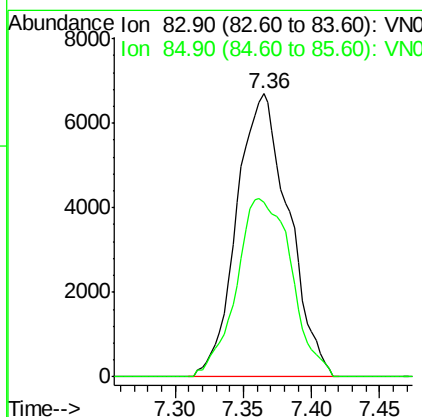
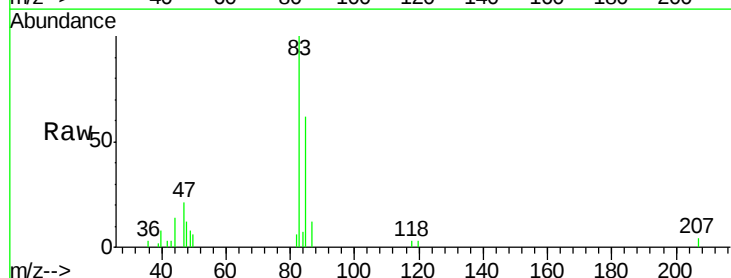
Manual Integrations
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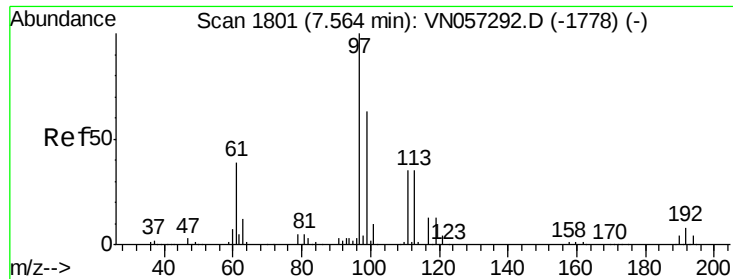
MMdadoda
8/19/2019 1:53:13 AM



#30
Chloroform
Concen: 1.167 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	53.3	79.9





#32

1,1,1-Trichloroethane

Concen: 1.000 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

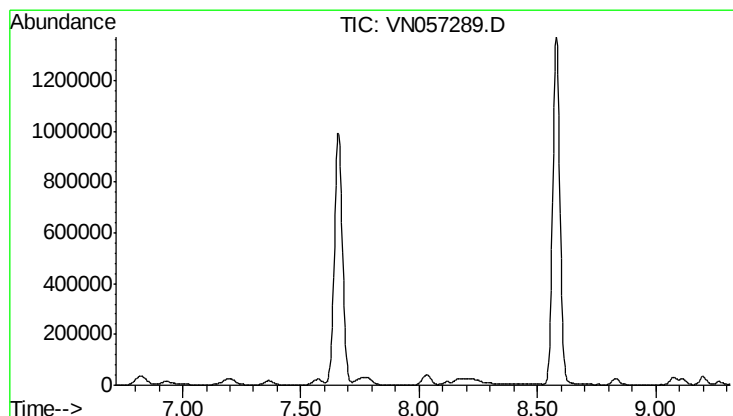
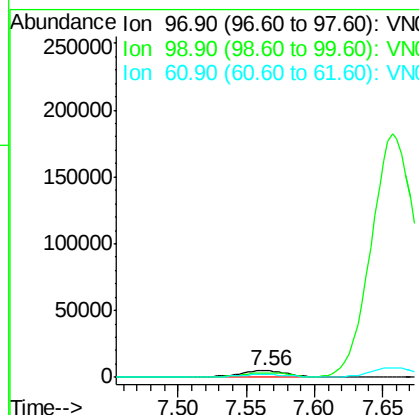
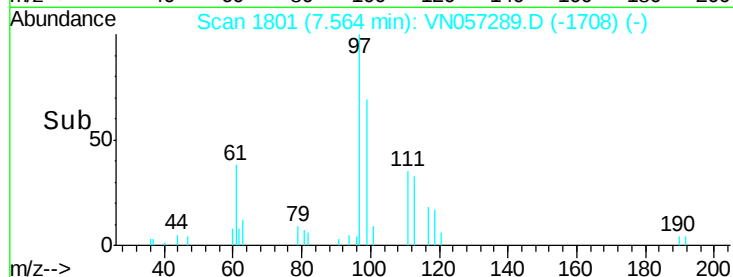
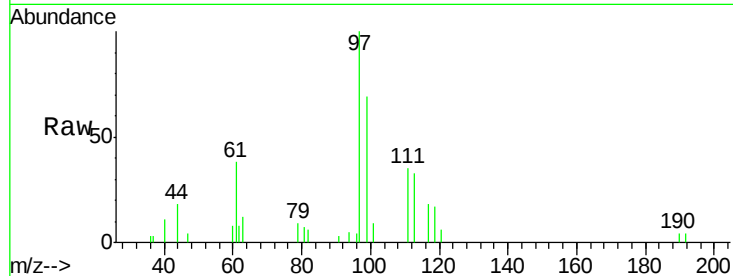
ClientSampleId :

VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
99	0.0	50.3	75.5#	
61	42.9	31.3	46.9	

Manual Integrations
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MMDadoda
8/19/2019 1:53:13 AM



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.02 min

Lab File: VN057289.D

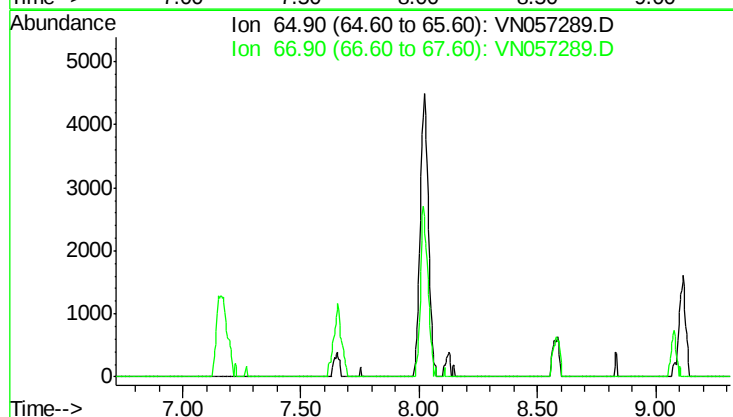
Acq: 14 Aug 2019 16:14

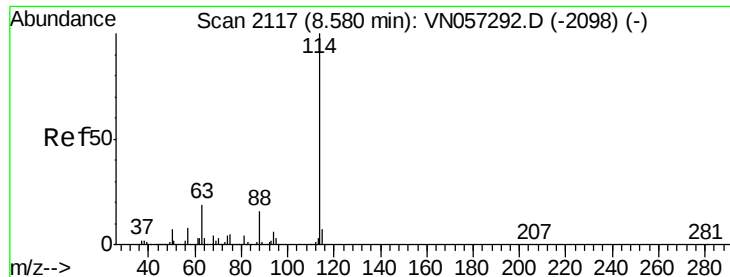
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.7





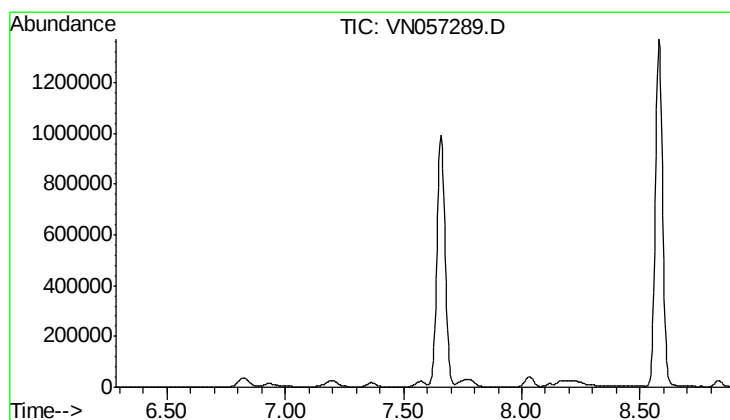
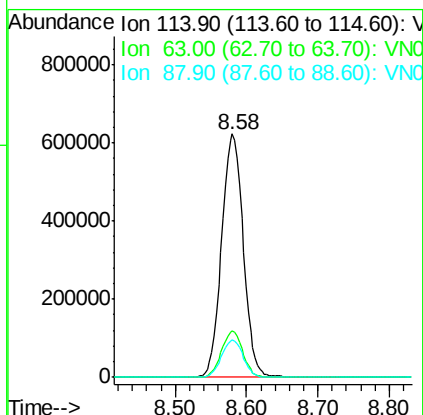
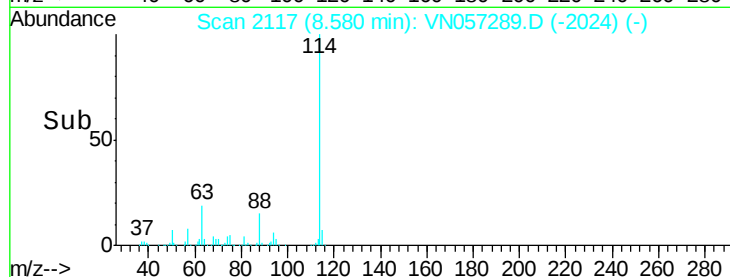
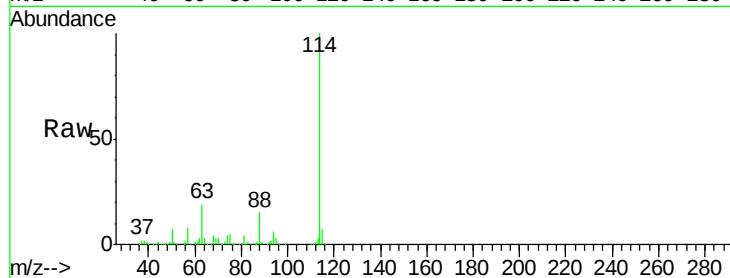
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2117
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1316998		
63	18.9	0.0	38.8	
88	15.3	0.0	31.4	

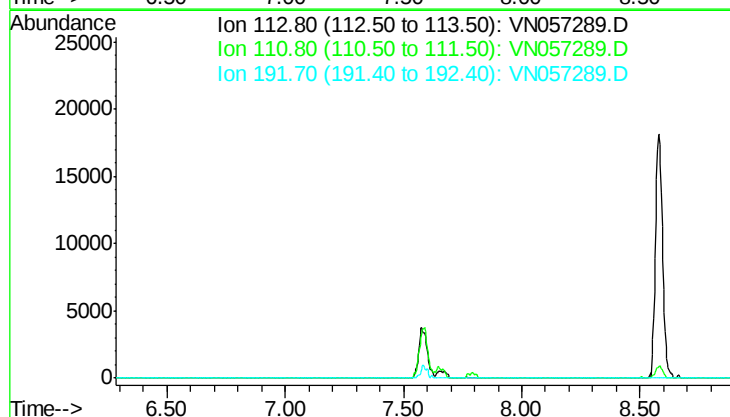
Manual Integrations
APPROVED

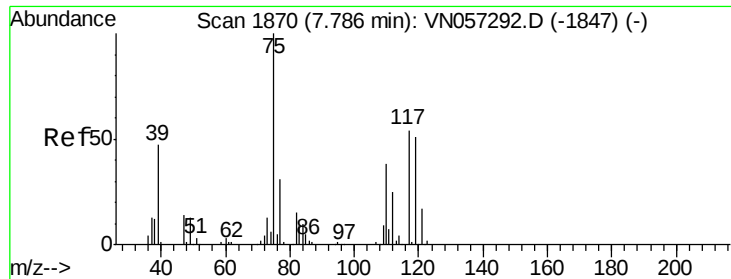
MMdadoda
8/19/2019 1:53:13 AM



#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 7.58 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Sig	Exp Ratio
113	100	
111	102.6	
192	24.1	





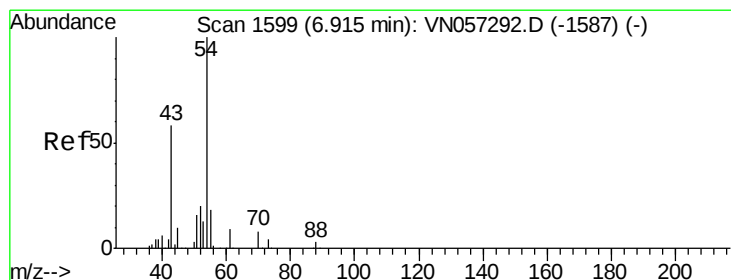
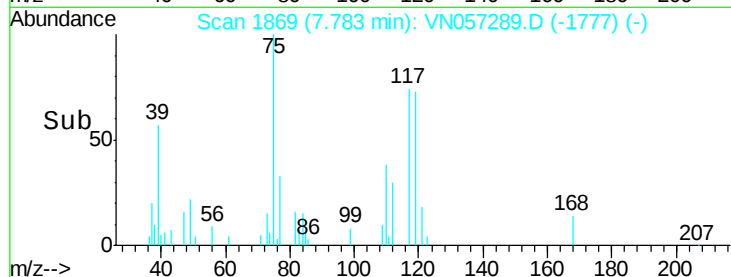
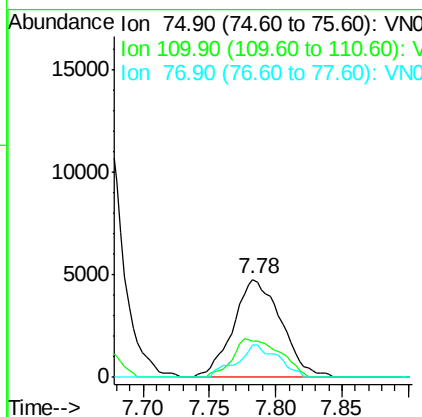
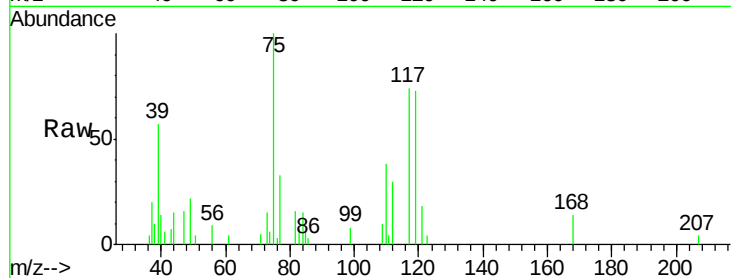
#36
 1,1-Dichloropropene
 Concen: 1.049 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	38.8	19.5	58.5
77	28.4	25.0	37.6

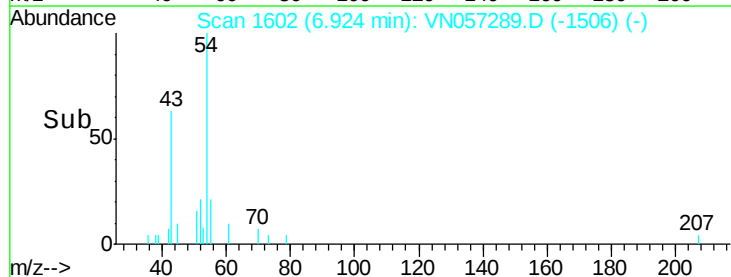
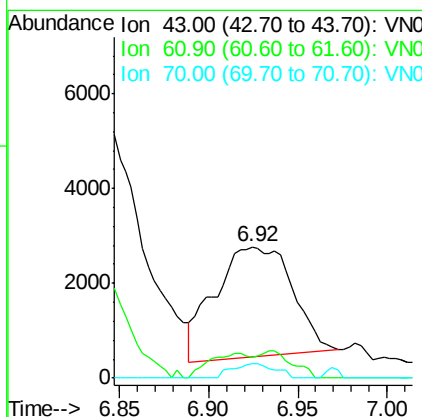
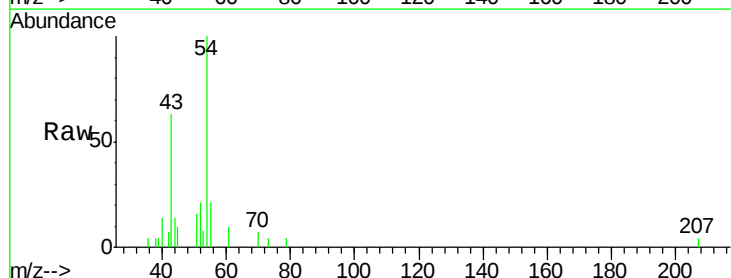
Manual Integrations
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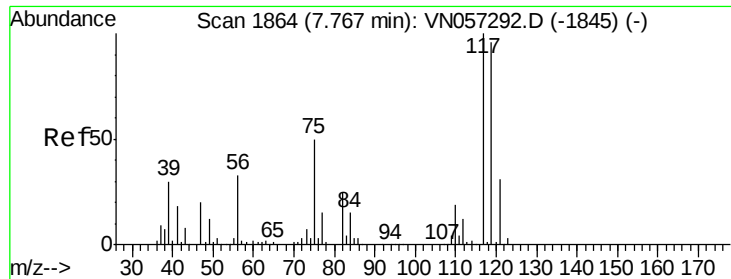
MMdadoda
 8/19/2019 1:53:13 AM



#37
 Ethyl Acetate
 Concen: 0.750 ug/l
 RT: 6.92 min Scan# 1602
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	9.6	12.0	18.0#
70	7.3	9.2	13.8#





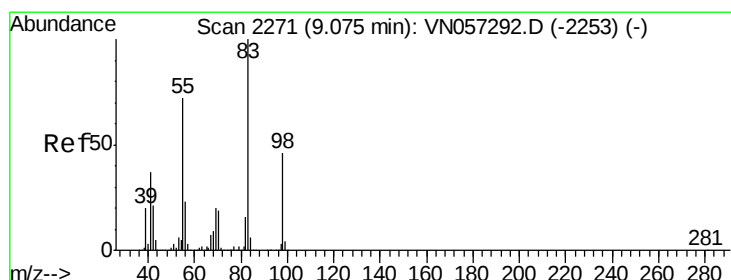
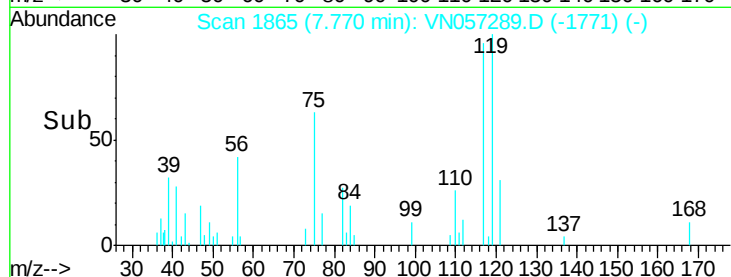
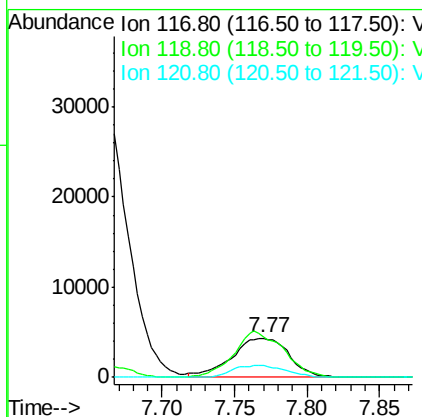
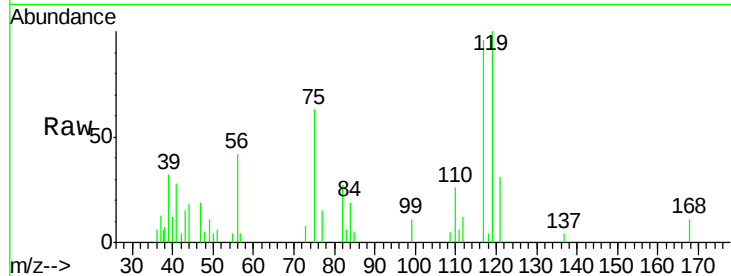
#38
Carbon Tetrachloride
Concen: 0.984 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	104.1	76.8	115.2
121	31.8	25.0	37.4

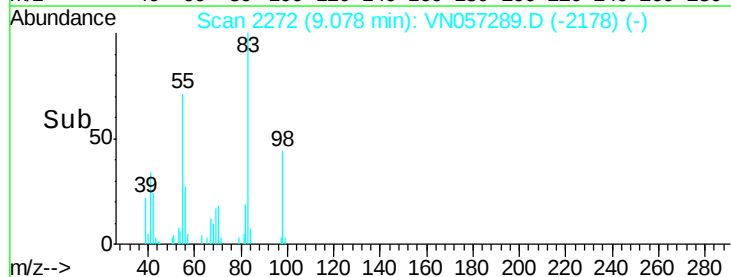
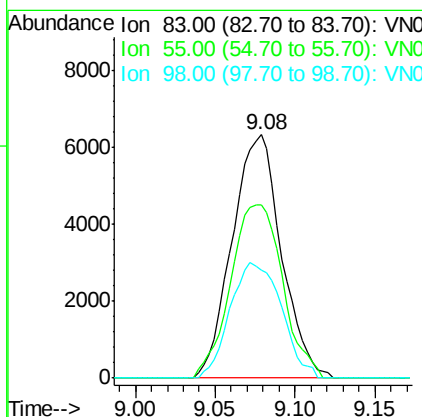
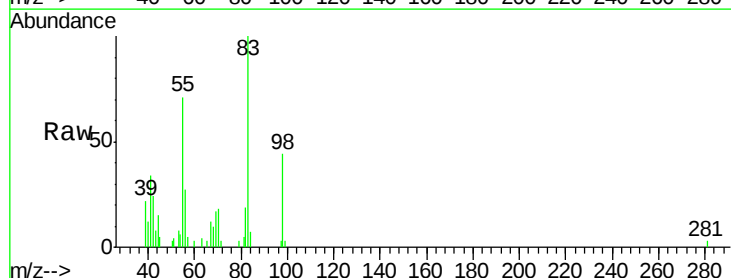
Manual Integrations
APPROVED

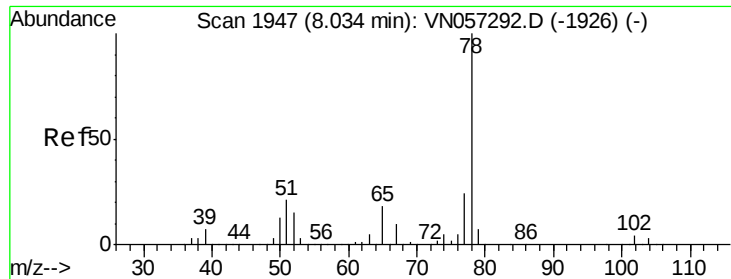
MMdadoda
8/19/2019 1:53:13 AM



#39
Methylcyclohexane
Concen: 0.984 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.0	57.5	86.3
98	44.2	36.6	55.0





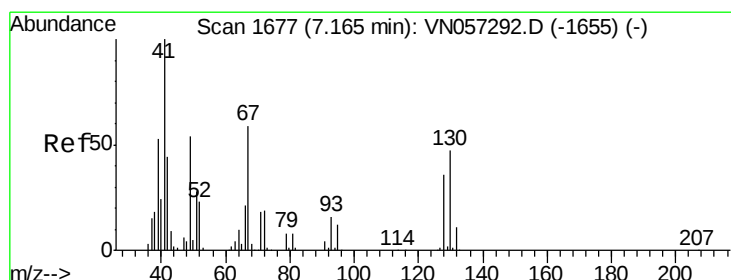
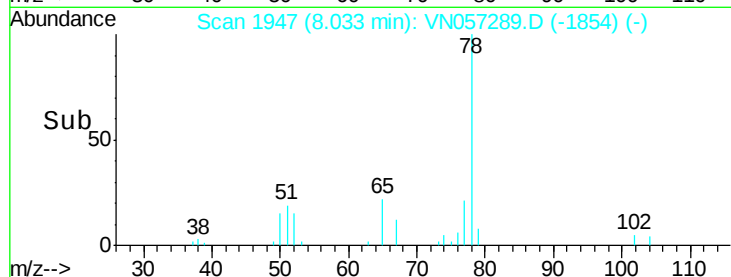
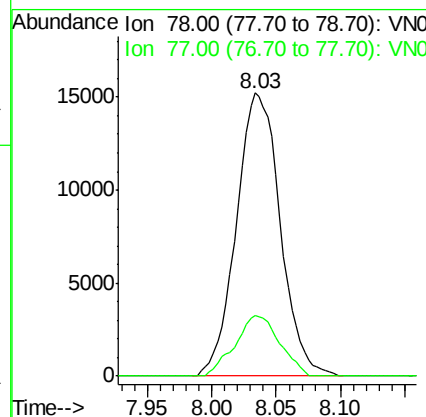
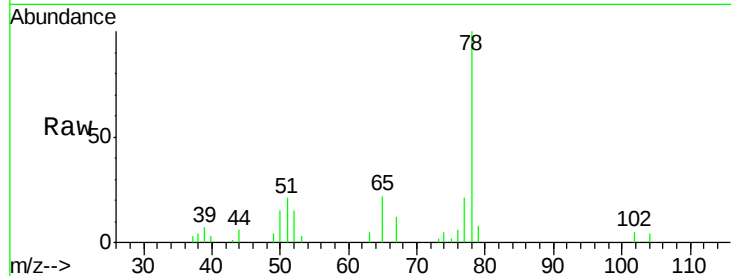
#40
Benzene
Concen: 1.031 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 78 Resp: 36006
Ion Ratio Lower Upper
78 100
77 21.4 19.1 28.7

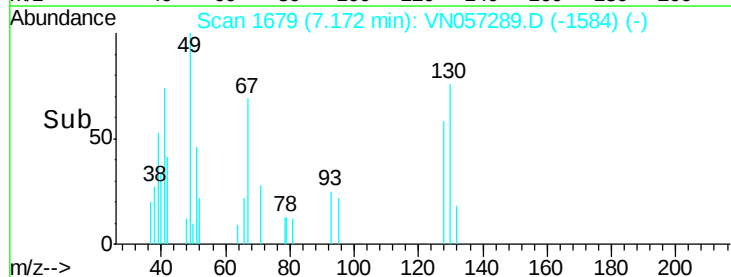
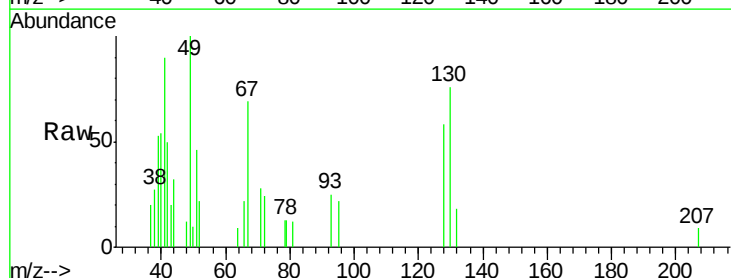
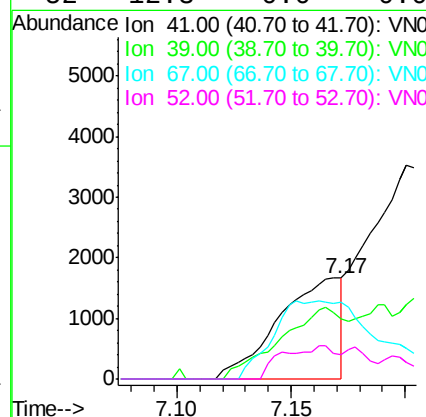
Manual Integrations
APPROVED

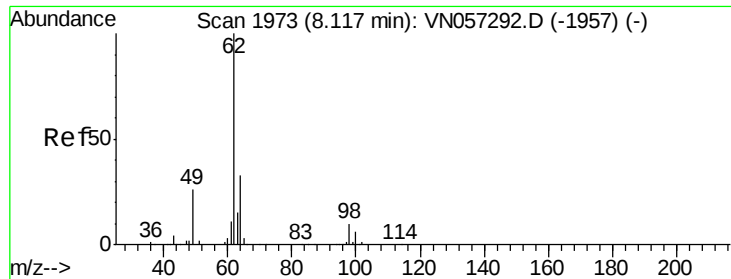
MMdadoda
8/19/2019 1:53:13 AM



#41
Methacrylonitrile
Concen: 0.817 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 41 Resp: 3195
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 12.3 0.0 0.0#





#42

1,2-Dichloroethane

Concen: 1.091 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

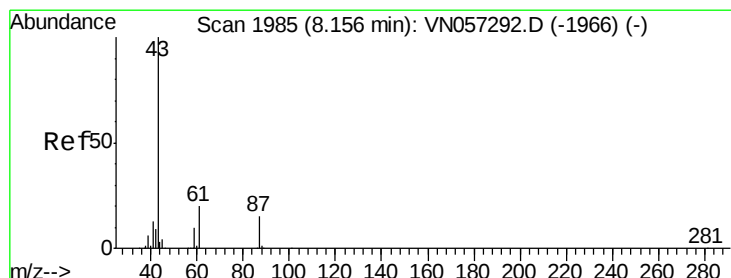
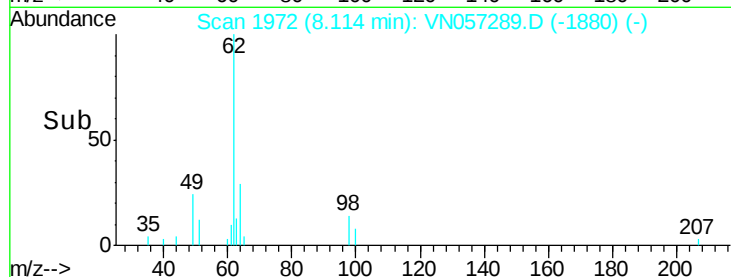
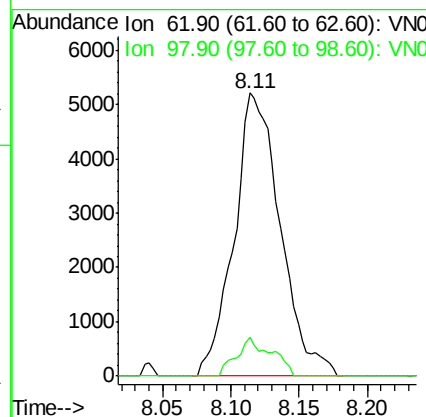
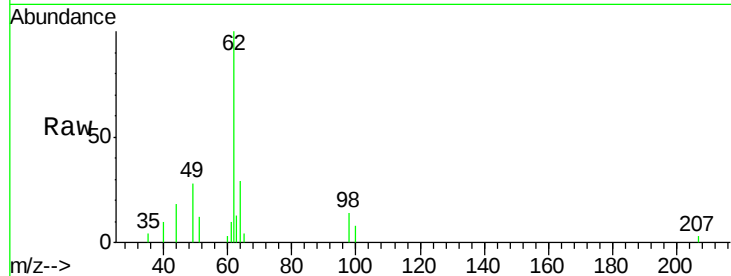
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	19.4

Manual Integrations
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MMdadoda
8/19/2019 1:53:13 AM



#43

Isopropyl Acetate

Concen: 2.175 ug/l m

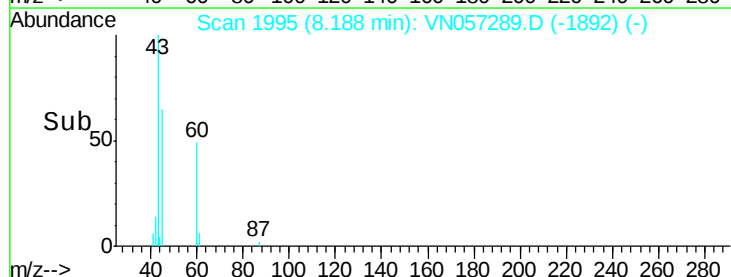
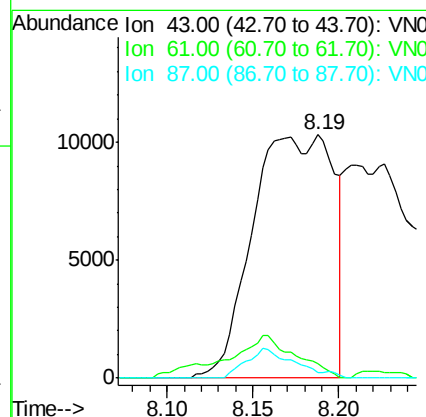
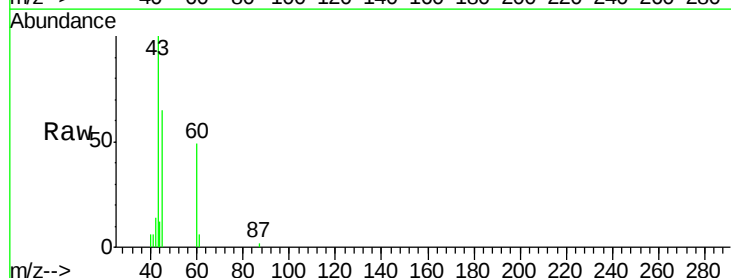
RT: 8.19 min Scan# 1995

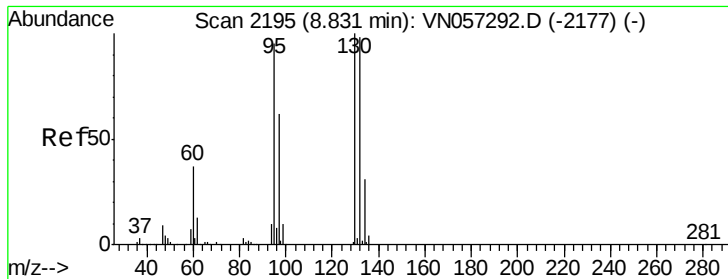
Delta R.T. 0.03 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.1	21.6	32.4#
87	7.0	11.4	17.0#





#44

Trichloroethene

Concen: 1.024 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 10314

Ion Ratio Lower Upper

130 100

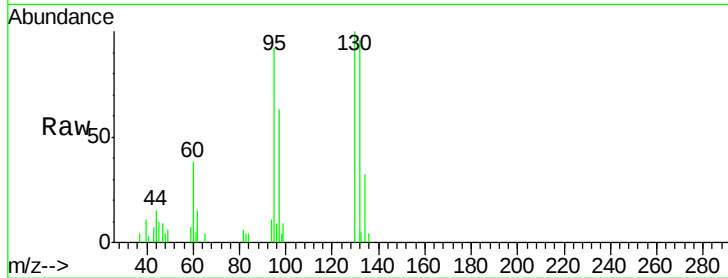
95 91.6 0.0 189.2

Manual Integrations

APPROVED

MMdadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

8.83

5000

4000

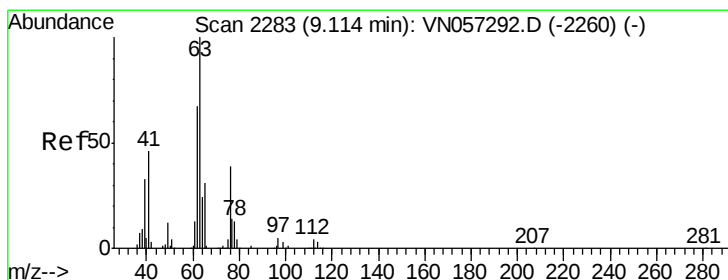
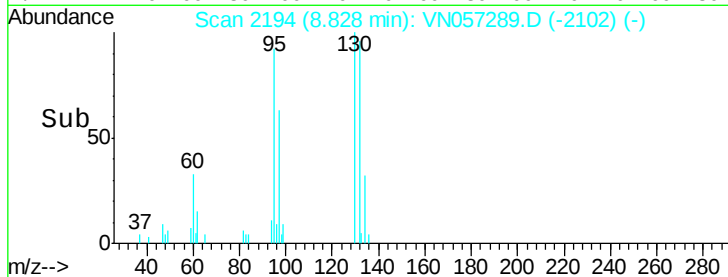
3000

2000

1000

0

Time--> 8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 1.019 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057289.D

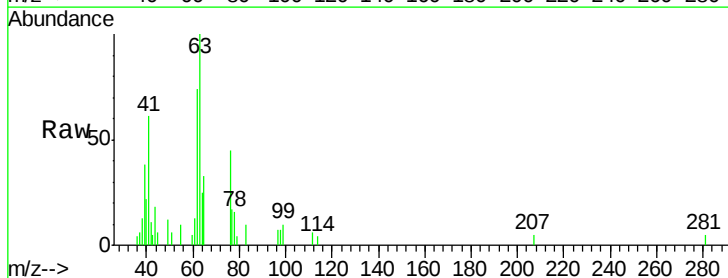
Acq: 14 Aug 2019 16:14

Tgt Ion: 63 Resp: 9037

Ion Ratio Lower Upper

63 100

65 33.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.11

4000

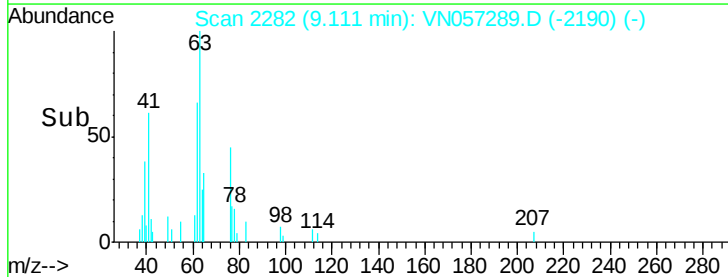
3000

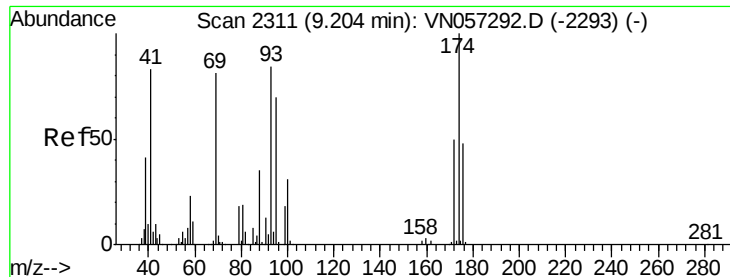
2000

1000

0

Time--> 9.05 9.10 9.15 9.20





#46

Dibromomethane

Concen: 1.085 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

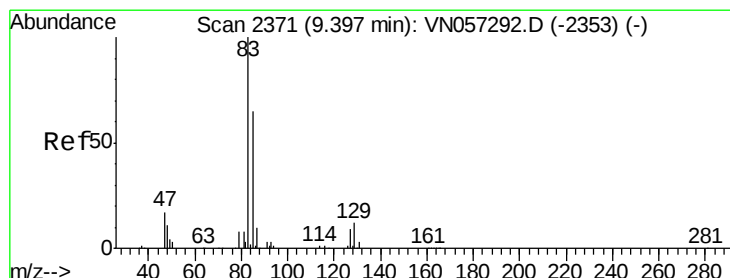
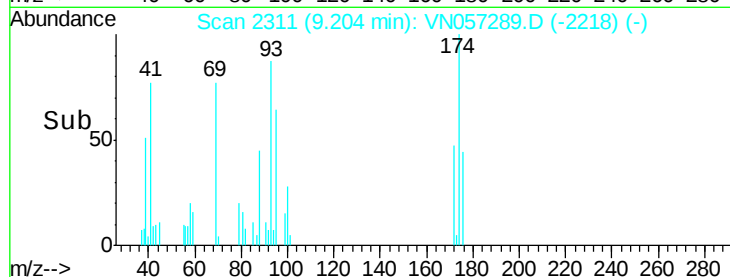
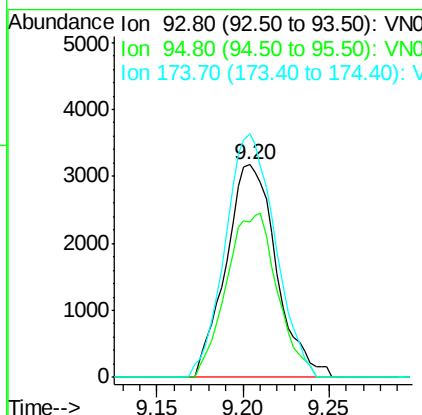
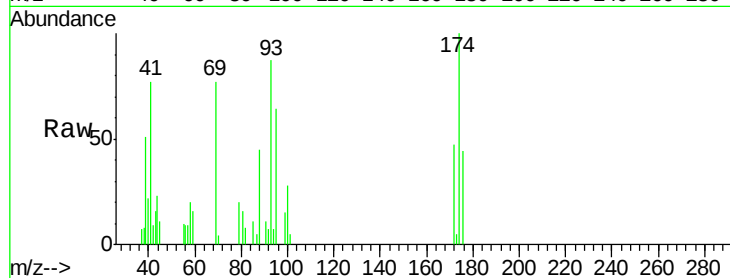
ClientSampleId :

VSTDIC001

Tot Ion:	93	Resp:	6471
Ion	Ratio	Lower	Upper
93	100		
95	77.4	66.5	99.7
174	113.1	95.7	143.5

Manual Integrations
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MMdadoda
8/19/2019 1:53:13 AM



#47

Bromodichloromethane

Concen: 1.073 ug/l

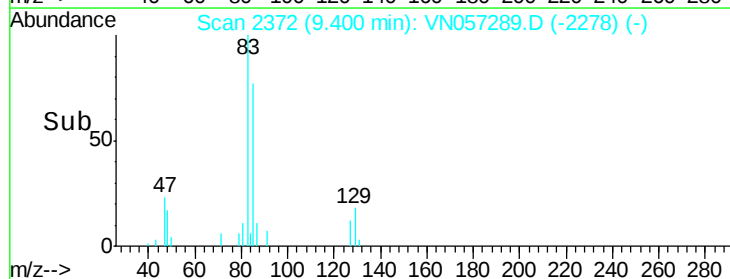
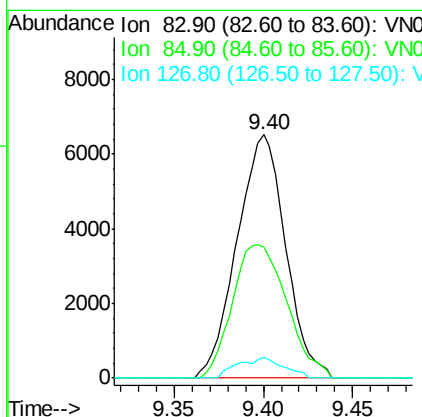
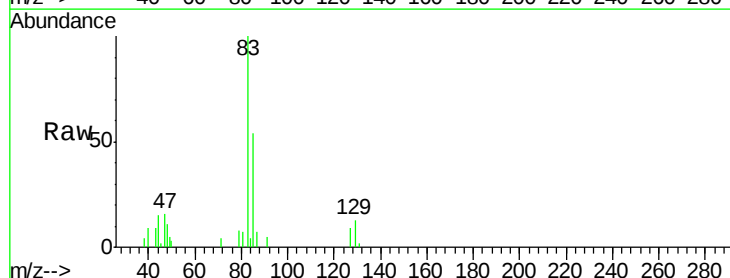
RT: 9.40 min Scan# 2372

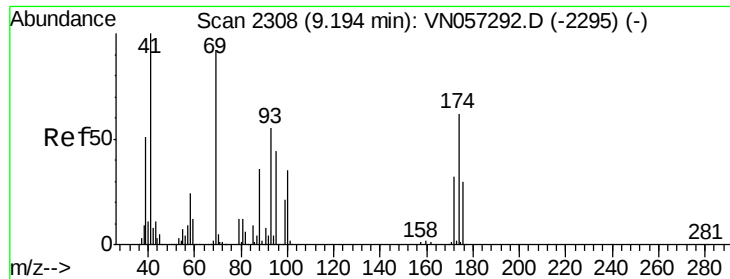
Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	83	Resp:	12362
Ion	Ratio	Lower	Upper
83	100		
85	53.7	51.9	77.9
127	8.5	7.2	10.8





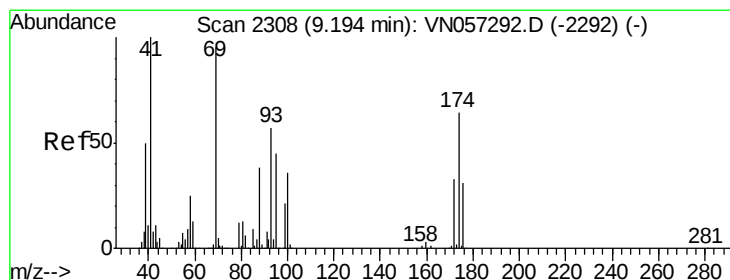
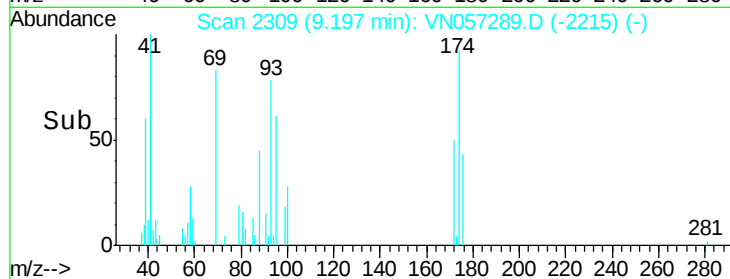
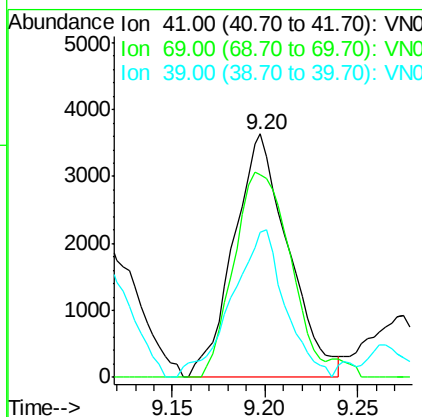
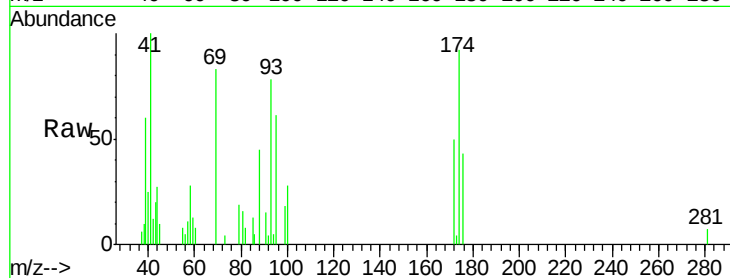
#48
Methvl methacrylate
Concen: 1.045 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	86.6	75.9	113.9
39	58.6	42.3	63.5

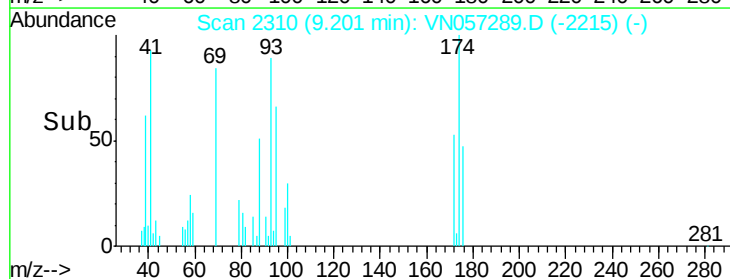
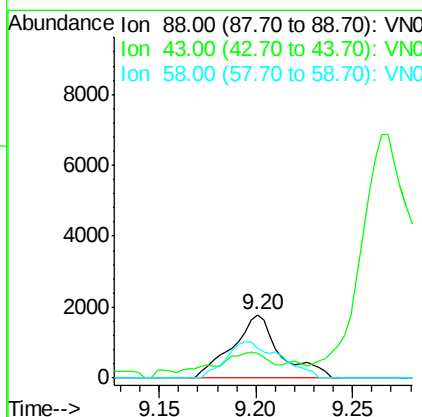
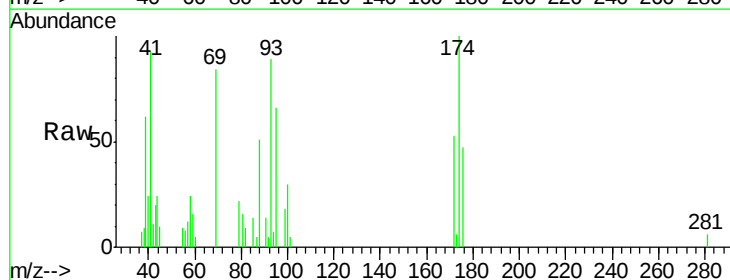
Manual Integrations
APPROVED

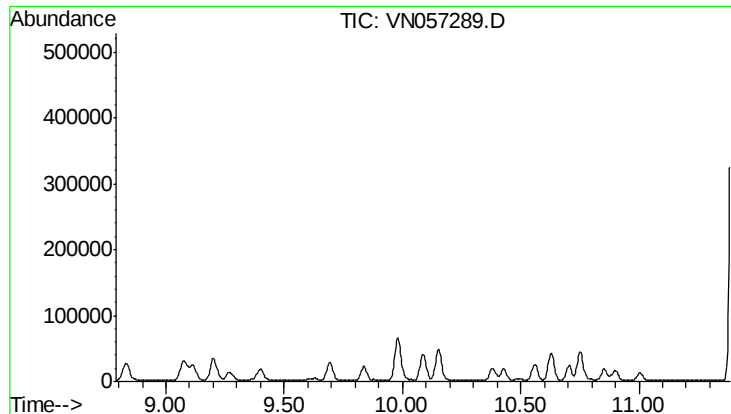
MMDadoda
8/19/2019 1:53:13 AM



#49
1,4-Dioxane
Concen: 19.063 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.9	22.9	34.3#
58	64.7	52.7	79.1





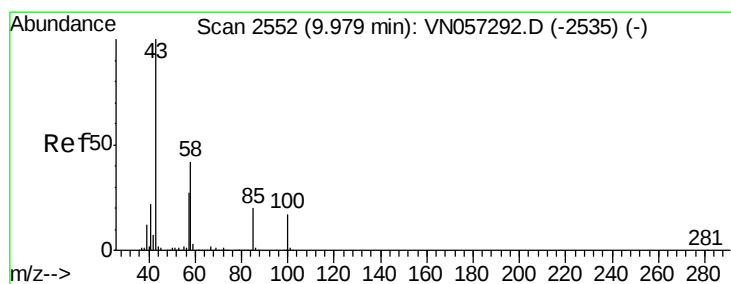
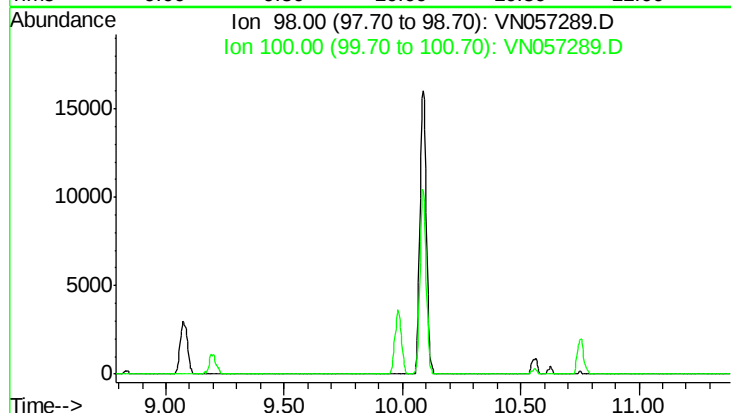
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.09 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 64.9

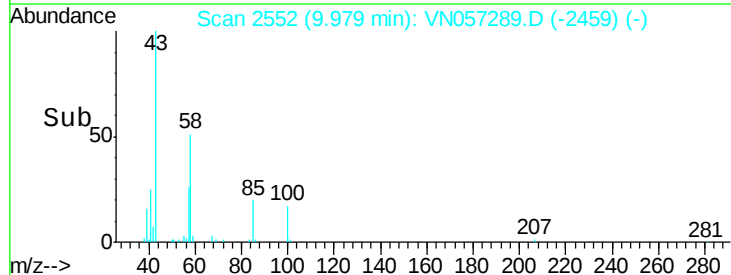
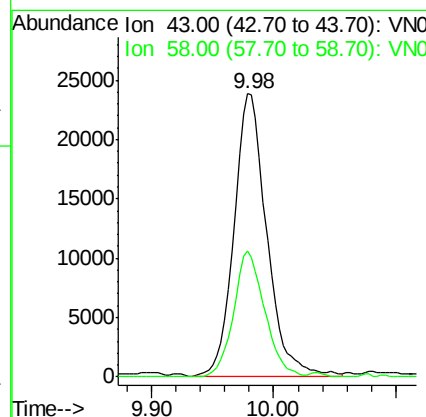
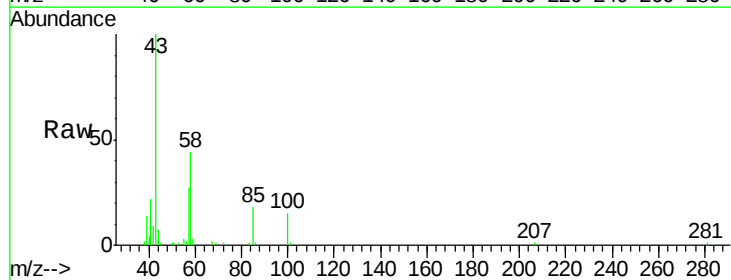
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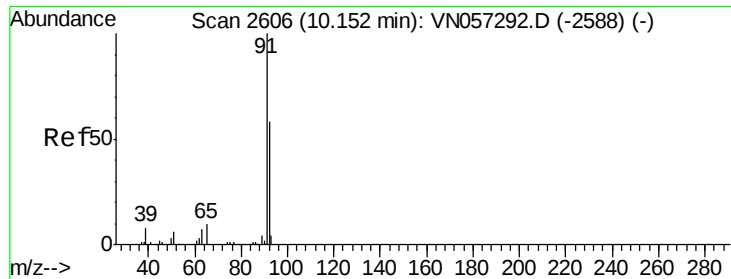
MMdadoda
8/19/2019 1:53:13 AM



#51
4-Methyl-2-Pentanone
Concen: 4.961 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion: 43 Resp: 44935
Ion Ratio Lower Upper
43 100
58 41.8 33.2 49.8





#52

Toluene

Concen: 0.974 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 21109

Ion Ratio Lower Upper

92 100

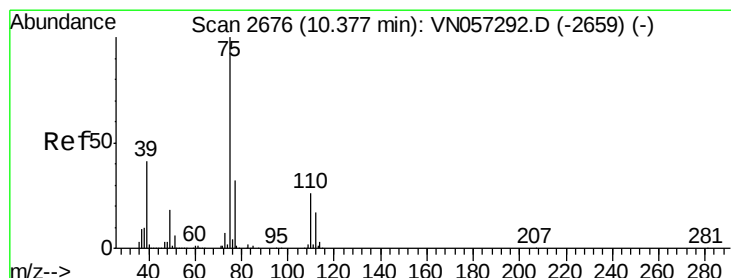
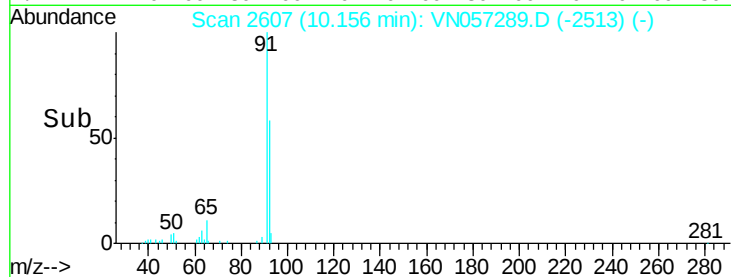
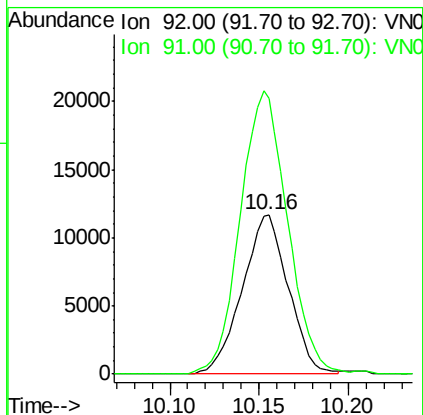
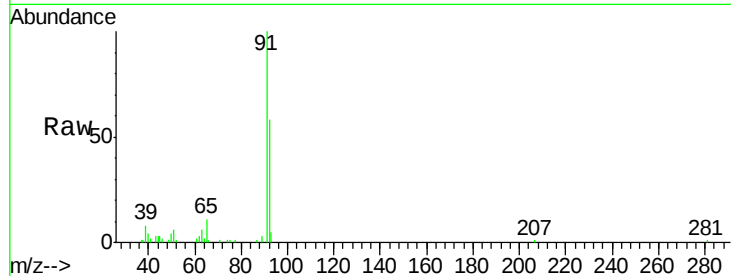
91 182.1 138.9 208.3

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#53

t-1,3-Dichloropropene

Concen: 0.975 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VN057289.D

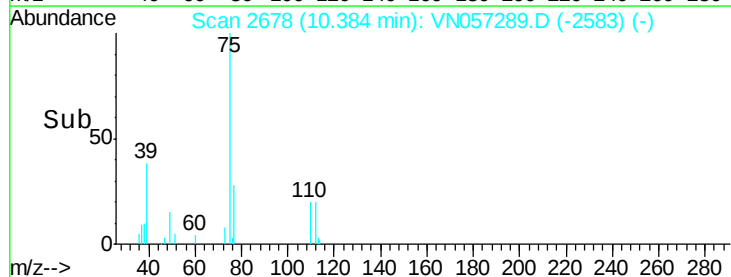
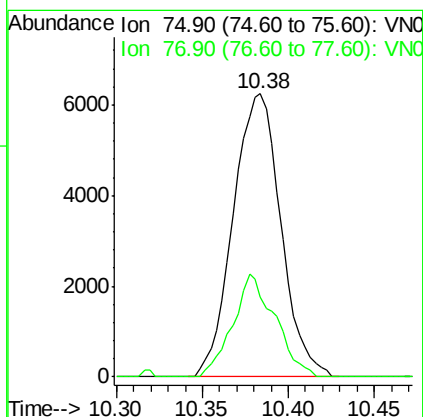
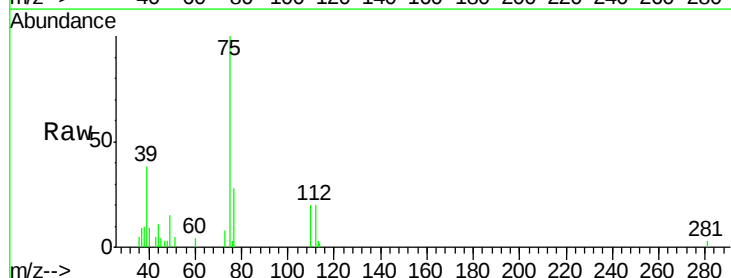
Acq: 14 Aug 2019 16:14

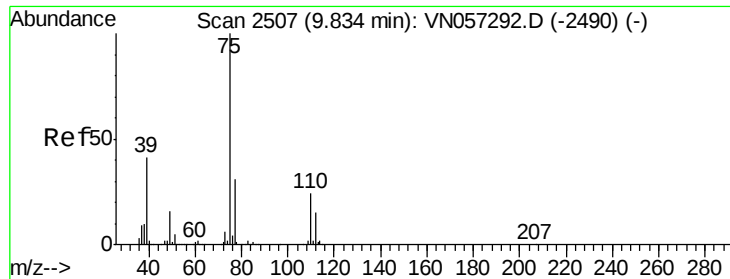
Tgt Ion: 75 Resp: 12015

Ion Ratio Lower Upper

75 100

77 28.2 25.5 38.3





#54

cis-1,3-Dichloropropene

Concen: 0.993 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

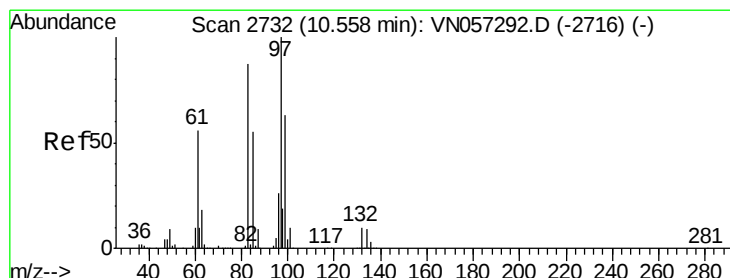
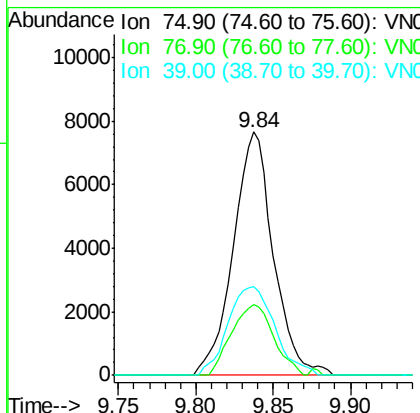
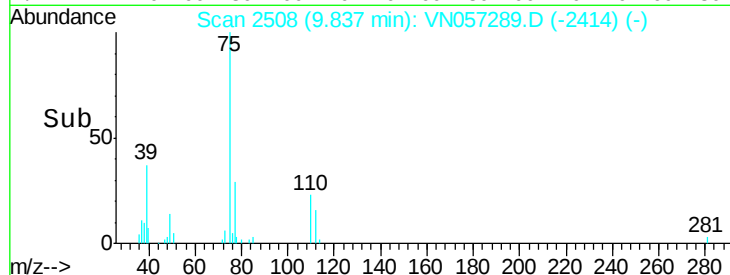
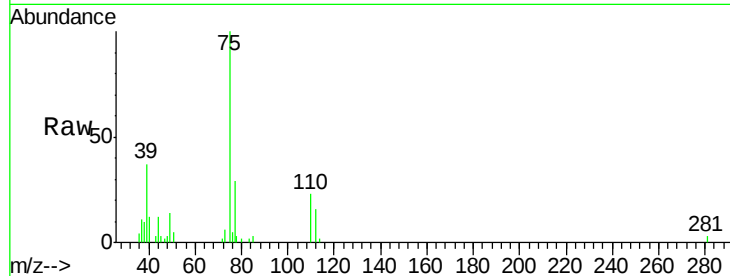
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	13779
Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.9	37.3
39	36.6	32.7	49.1

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#55

1,1,2-Trichloroethane

Concen: 1.020 ug/l

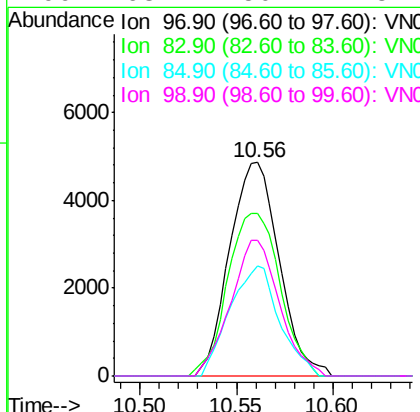
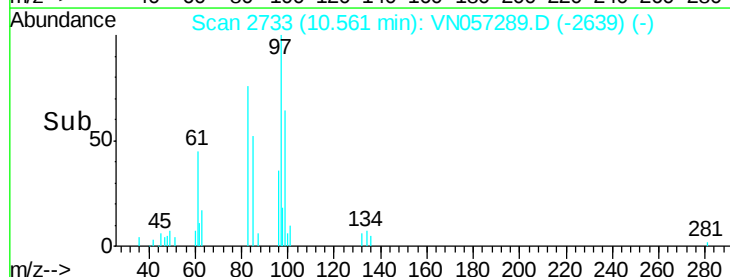
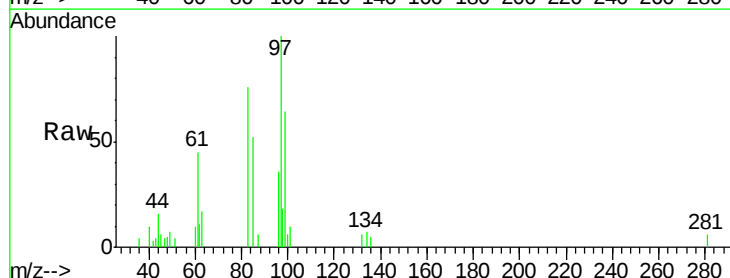
RT: 10.56 min Scan# 2733

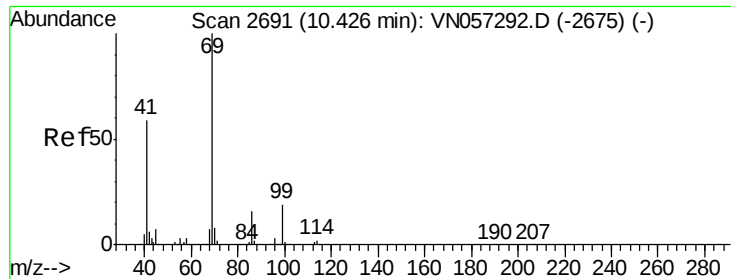
Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	97	Resp:	8679
Ion	Ratio	Lower	Upper
97	100		
83	76.0	69.8	104.8
85	51.6	44.1	66.1
99	63.7	50.2	75.2





#56

Ethyl methacrylate

Concen: 0.860 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

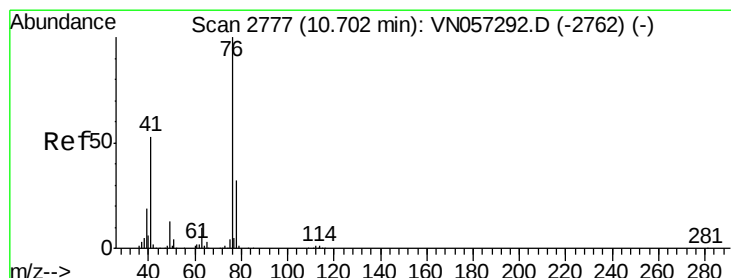
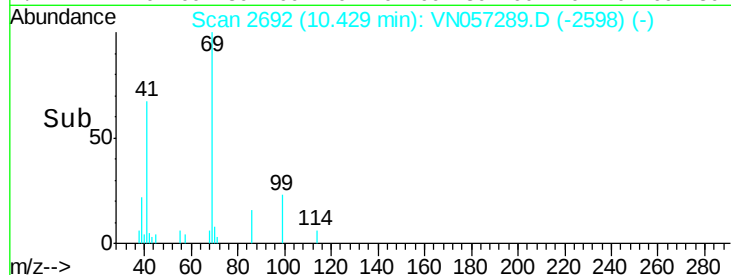
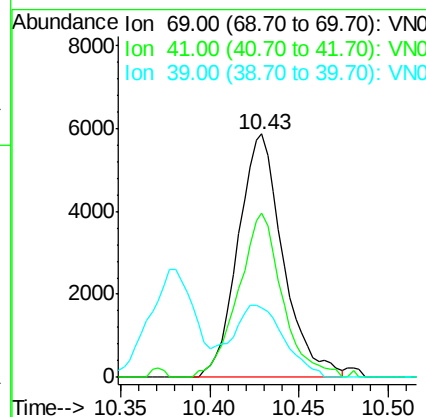
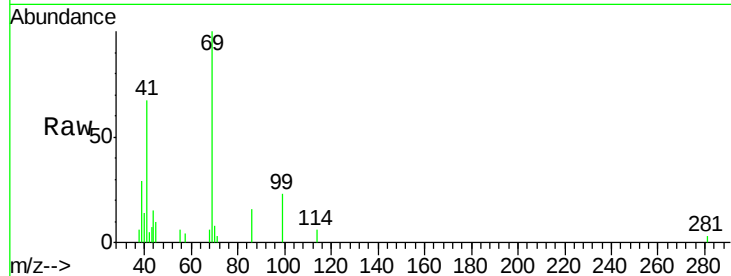
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	10332
Ion	Ratio	Lower	Upper
69	100		
41	65.9	48.2	72.2
39	32.0	23.4	35.0

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#57

1,3-Dichloropropane

Concen: 1.015 ug/l

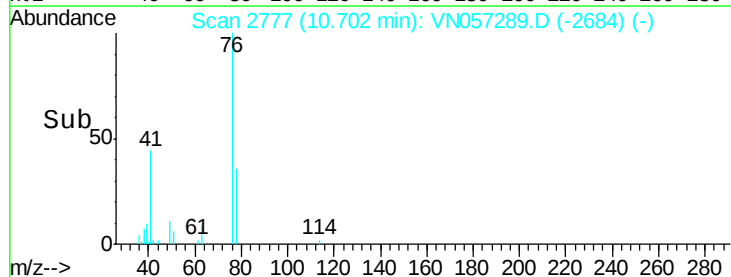
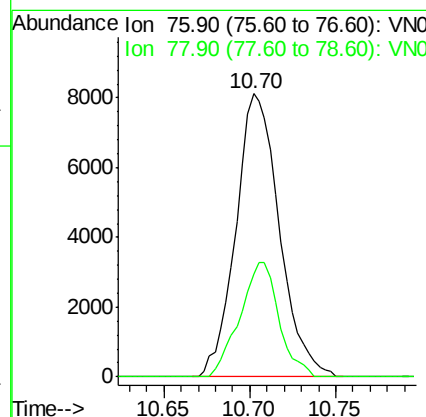
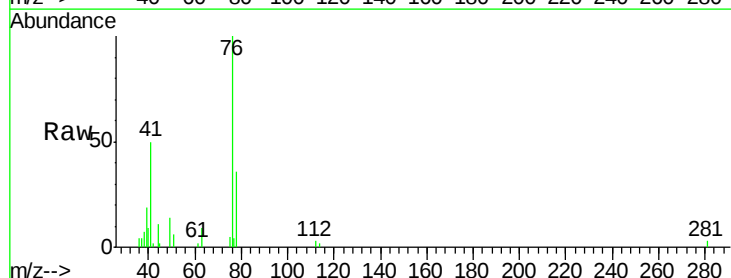
RT: 10.70 min Scan# 2777

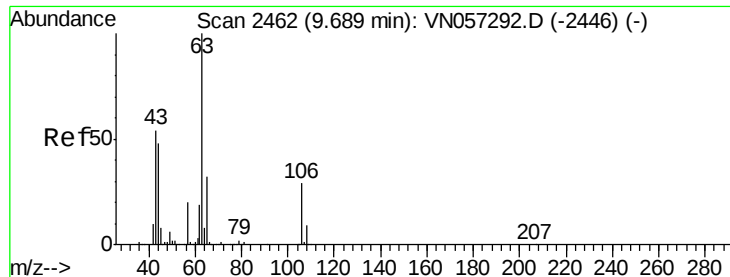
Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	76	Resp:	14255
Ion	Ratio	Lower	Upper
76	100		
78	36.2	25.6	38.4





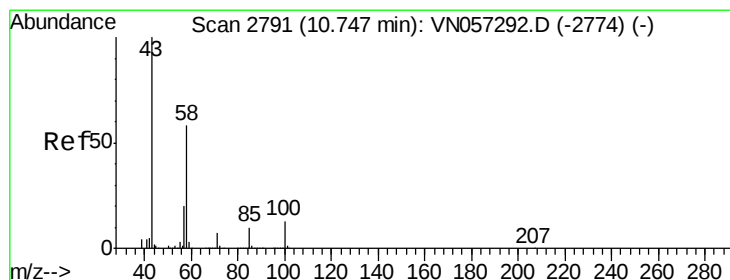
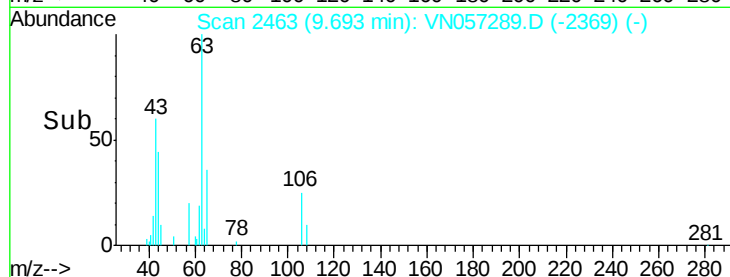
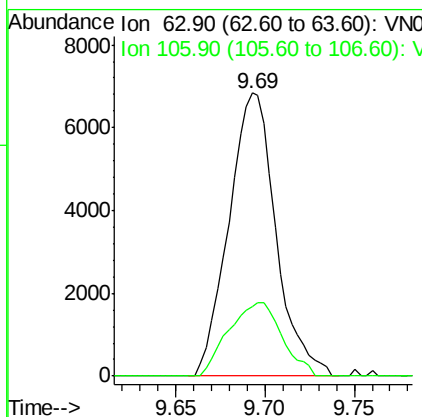
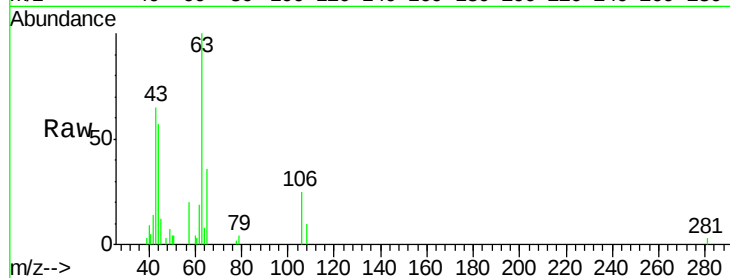
#58
2-Chloroethyl Vinyl ether
Concen: 4.148 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
106	29.5	23.2	34.8

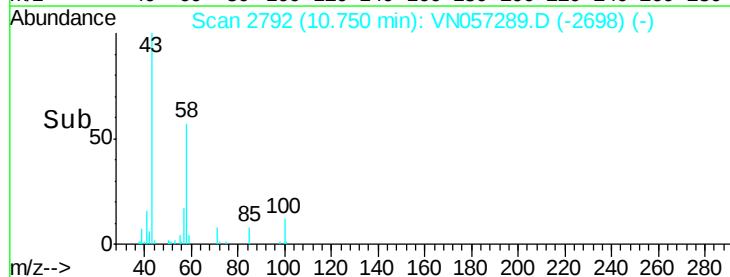
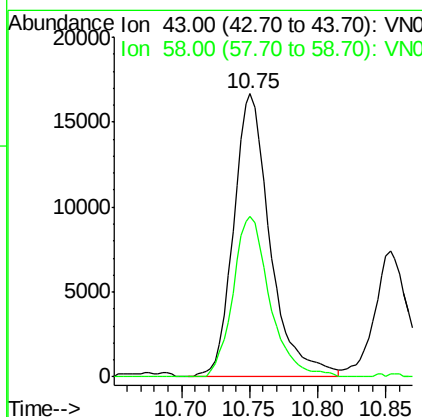
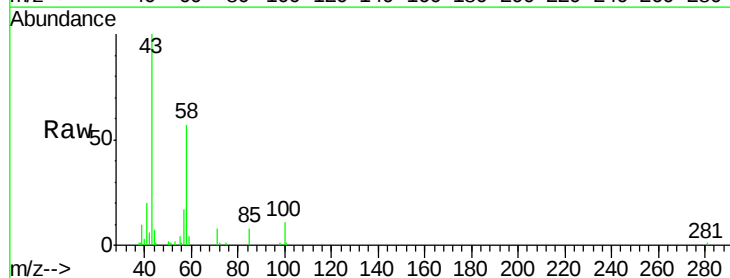
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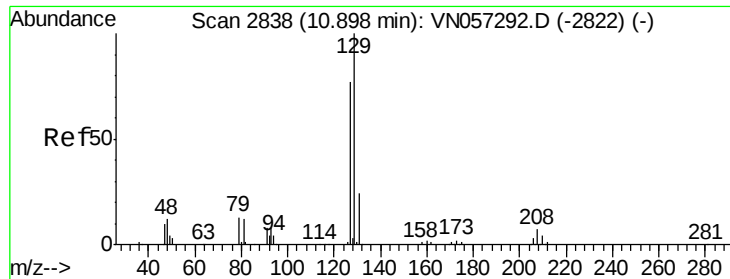
MMdadoda
8/19/2019 1:53:13 AM



#59
2-Hexanone
Concen: 4.823 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.9	28.6	85.9





#60

Dibromochloromethane

Concen: 0.919 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:129 Resp: 8773

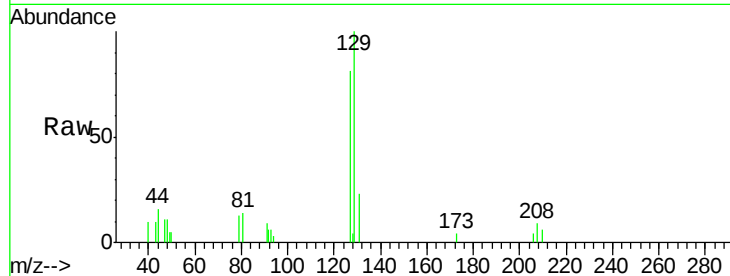
Ion Ratio Lower Upper

129 100

127 78.0 39.0 116.9

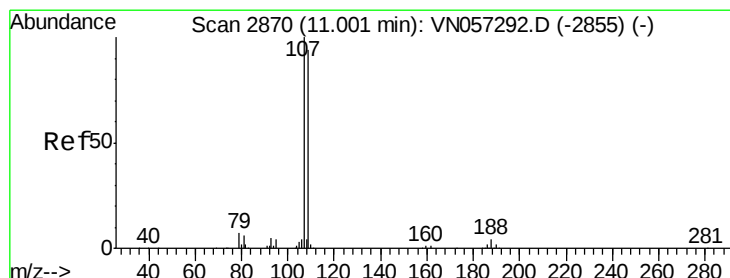
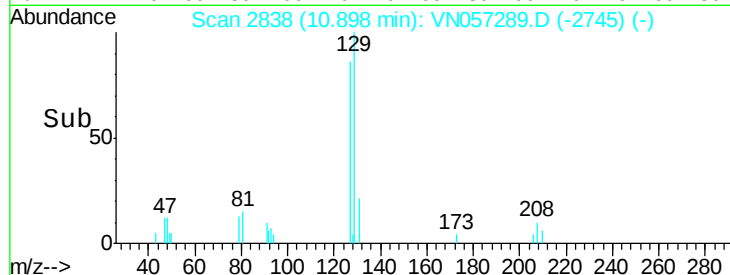
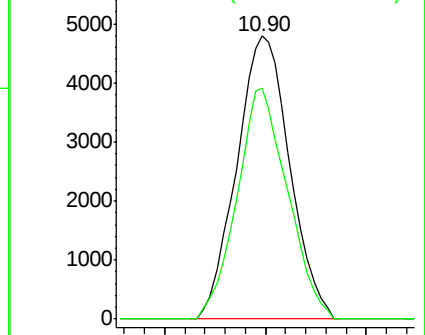
Manual Integrations
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.023 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057289.D

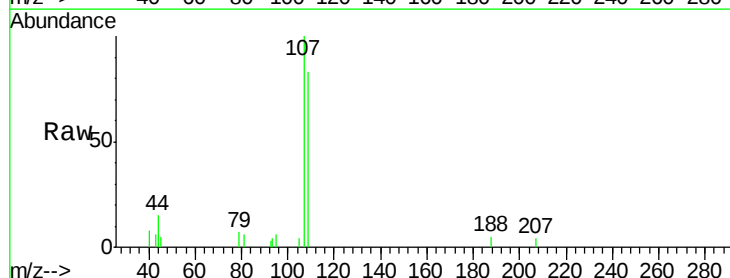
Acq: 14 Aug 2019 16:14

Tgt Ion:107 Resp: 9043

Ion Ratio Lower Upper

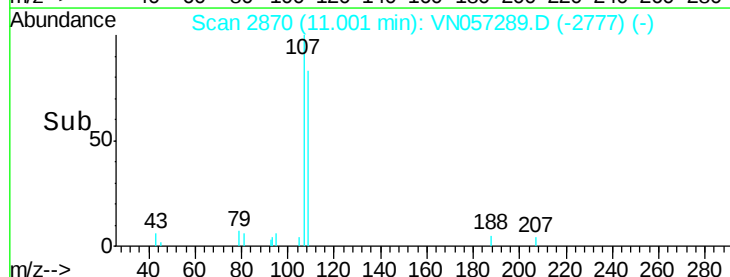
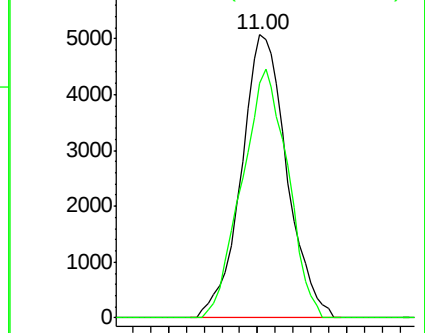
107 100

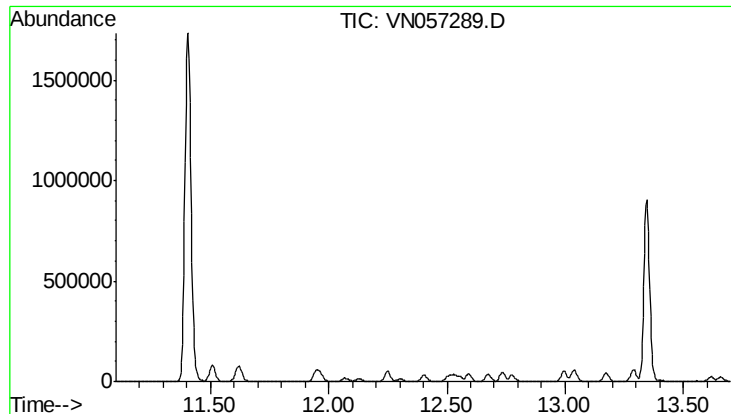
109 88.4 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





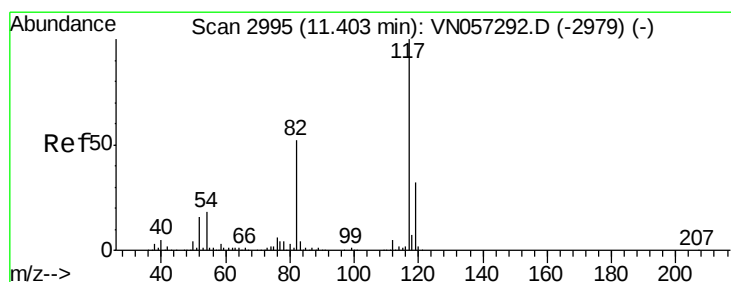
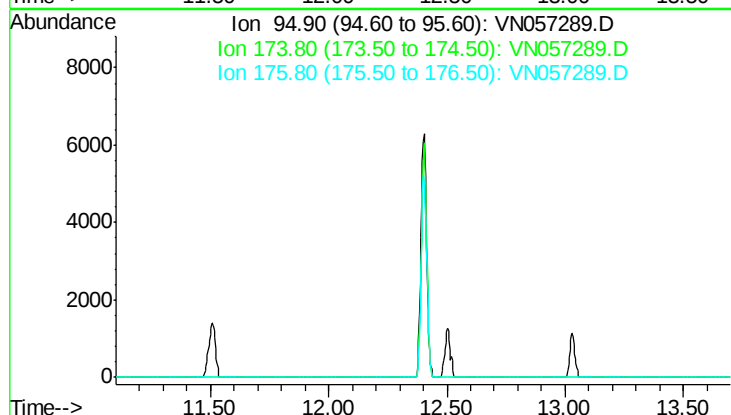
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	92.5
176	90.5

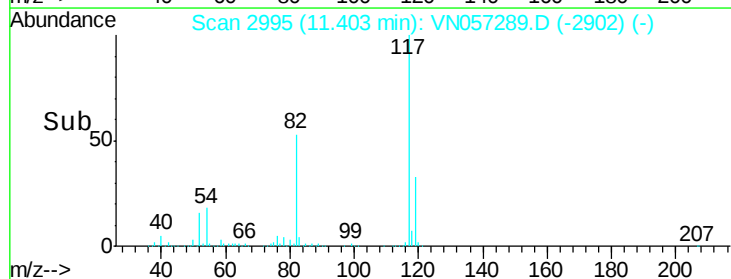
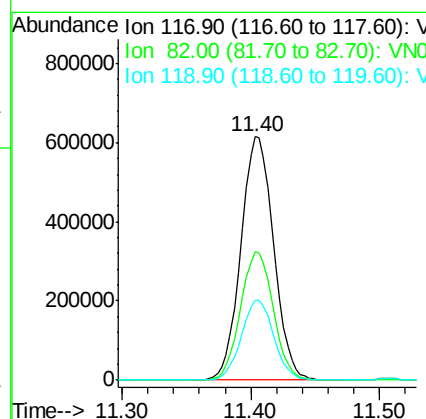
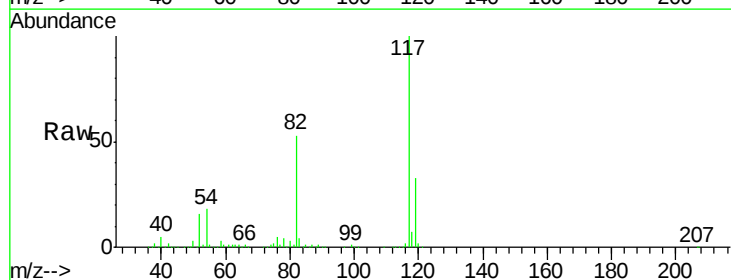
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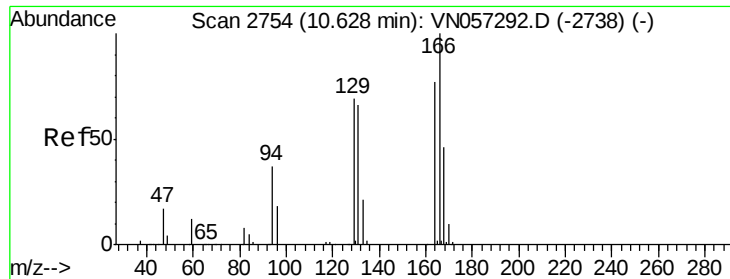
MMDadoda
 8/19/2019 1:53:13 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.40 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	117	Resp	1087140
Ion Ratio	Lower	Upper	
117	100		
82	52.6	41.2	61.8
119	32.9	25.8	38.8





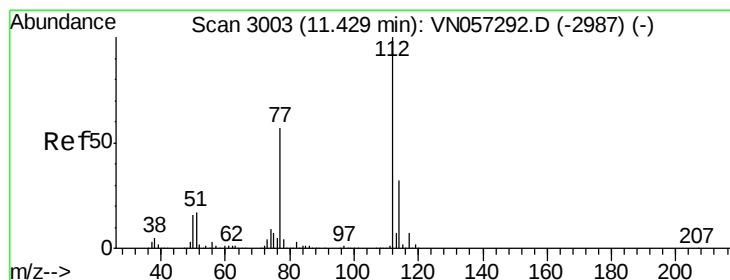
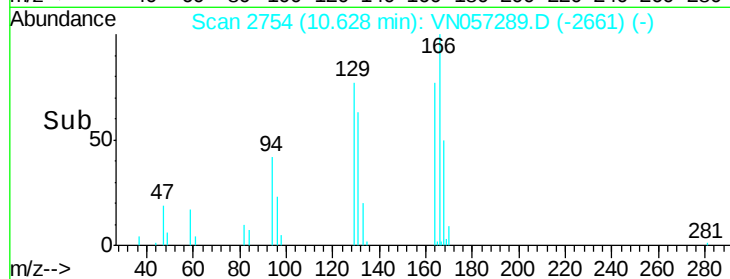
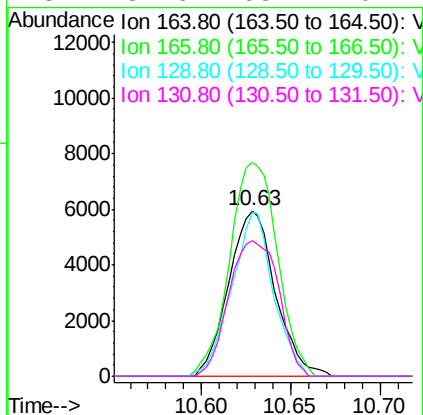
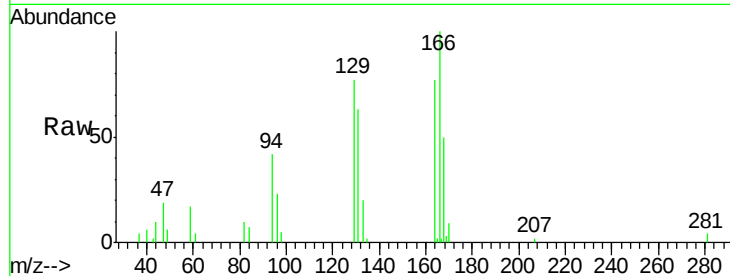
#64
Tetrachloroethene
Concen: 1.134 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.5	155.3
129	98.8	71.2	106.8
131	81.6	68.2	102.4

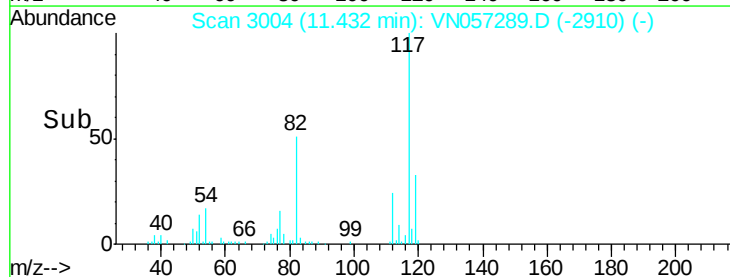
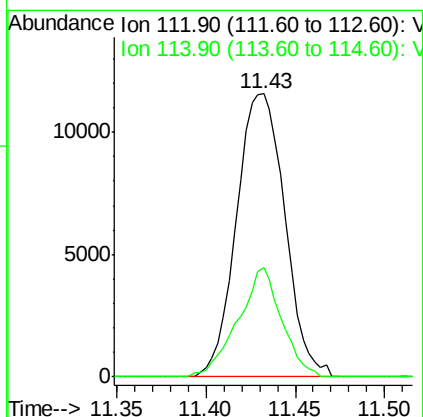
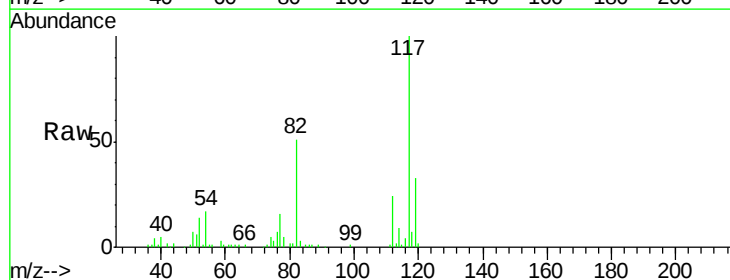
Manual Integrations
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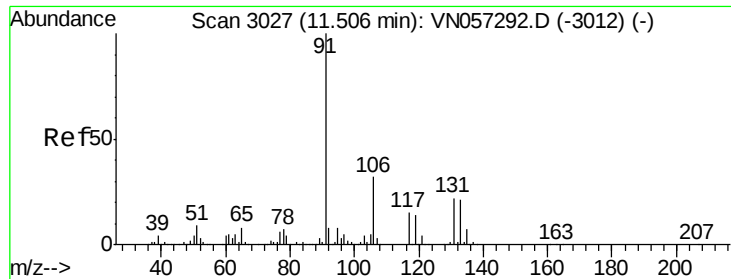
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#65
Chlorobenzene
Concen: 0.989 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	38.8	25.7	38.5#





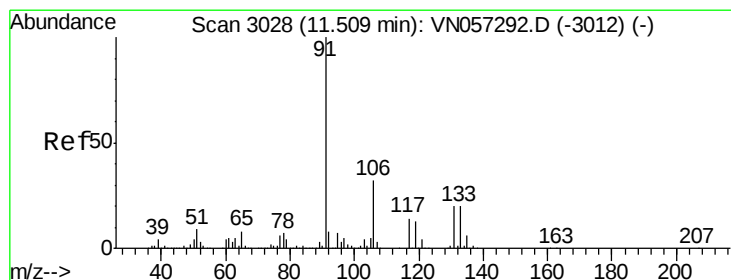
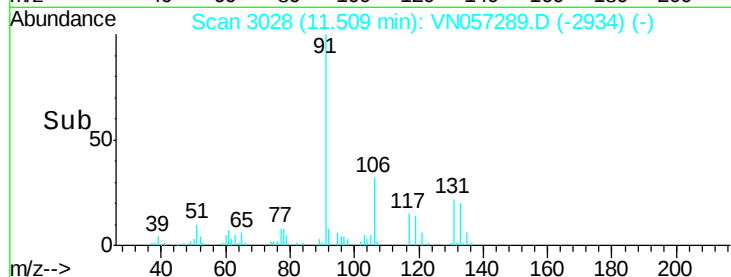
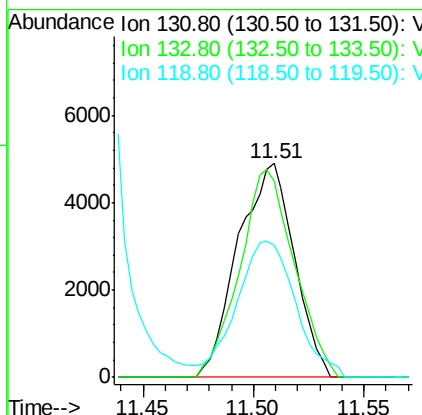
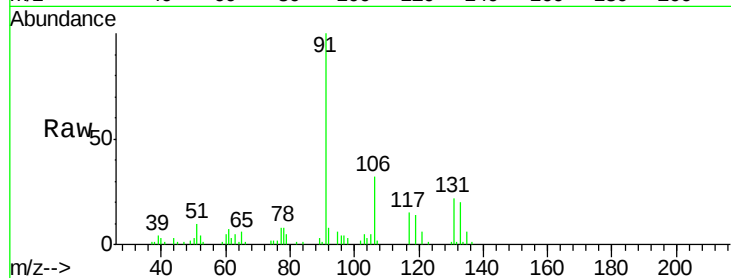
#66
 1,1,1,2-Tetrachloroethane
 Concen: 1.010 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.6	142.8
119	0.0	32.0	96.2#

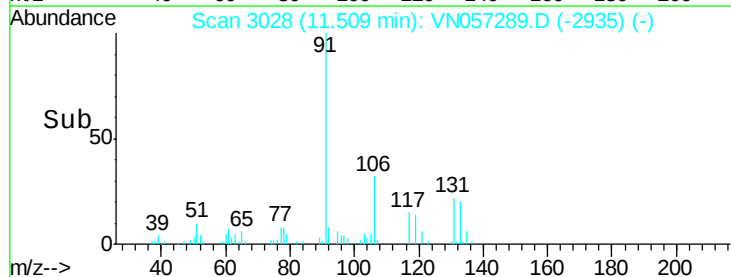
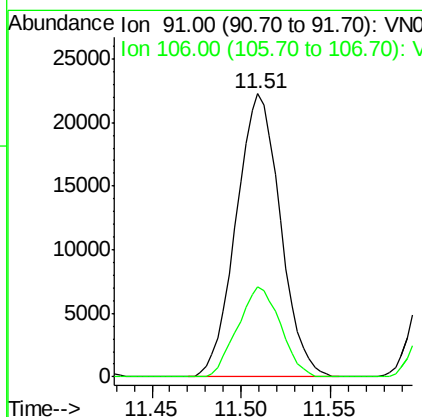
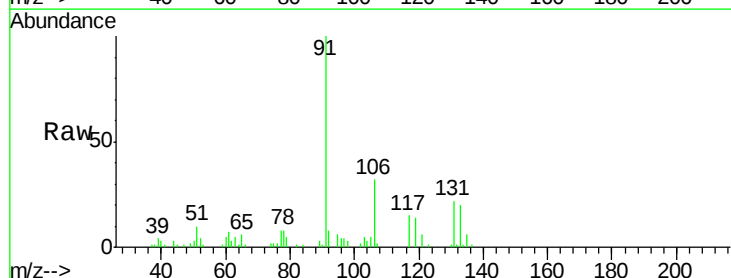
Manual Integrations
 APPROVED

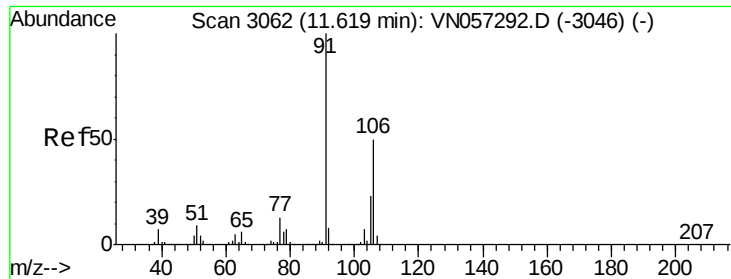
MMDadoda
 8/19/2019 1:53:13 AM



#67
 Ethyl Benzene
 Concen: 1.015 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.5	38.3





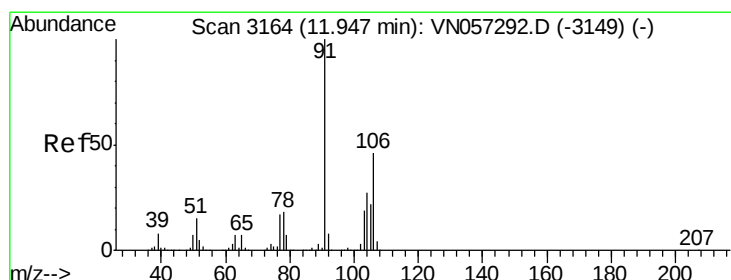
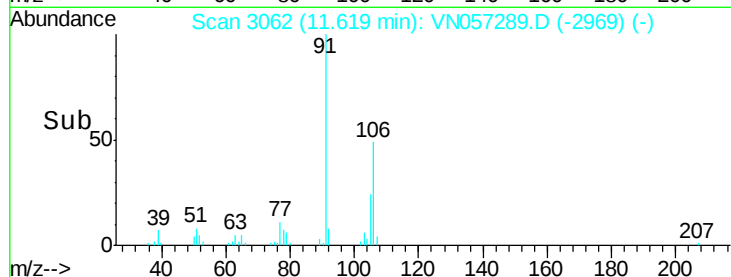
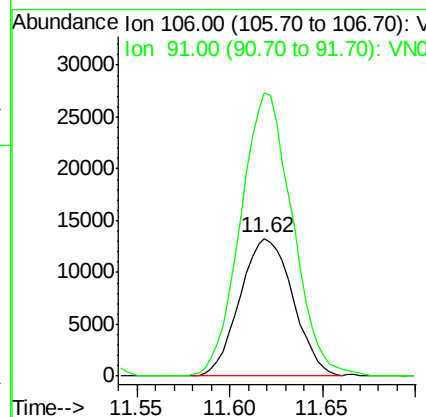
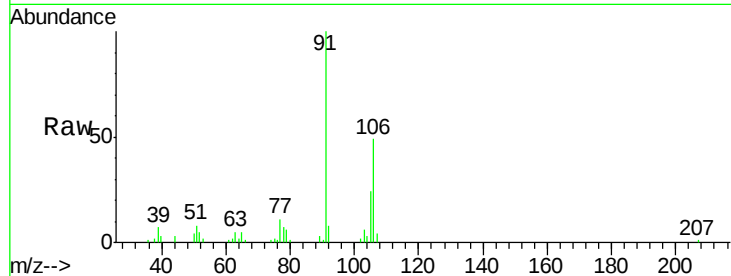
#68
m/p-Xylenes
Concen: 1.860 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		26320		
91	202.1	161.5	242.3		

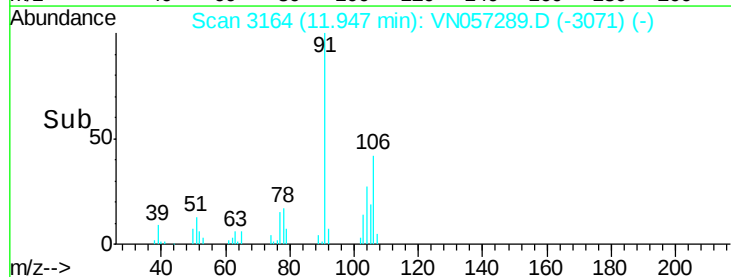
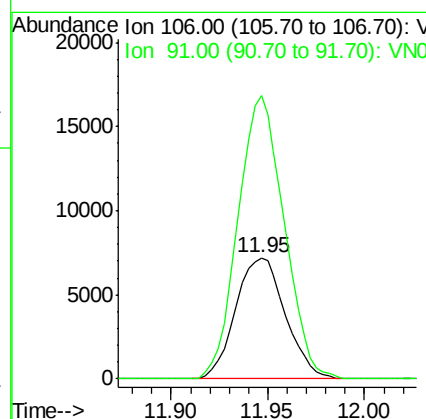
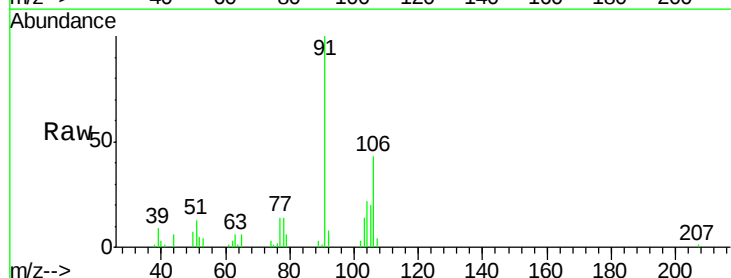
Manual Integrations
APPROVED

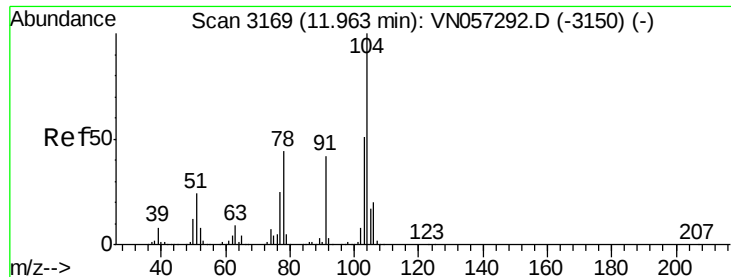
MMdadoda
8/19/2019 1:53:13 AM



#69
o-Xylene
Concen: 0.928 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		12878		
91	216.5	106.3	319.0		





#70

Stvrene

Concen: 0.869 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

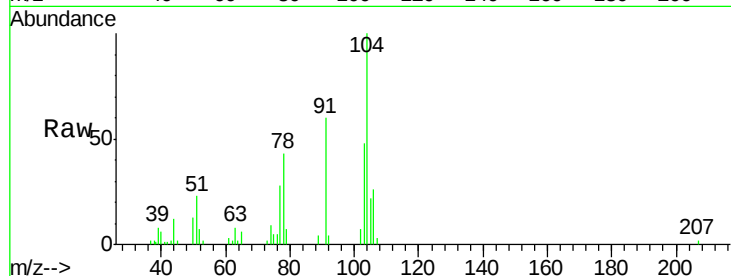
ClientSampled :

VSTDIC001

Tot Ion:	104	Resp:	18628
Ion Ratio	Lower	Upper	
104	100		
78	48.5	39.2	58.8
103	50.6	44.6	66.8

Manual Integrations
APPROVED

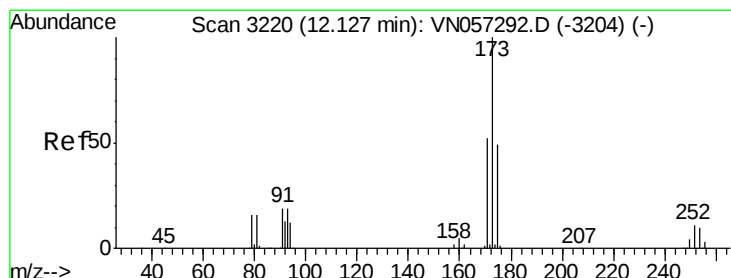
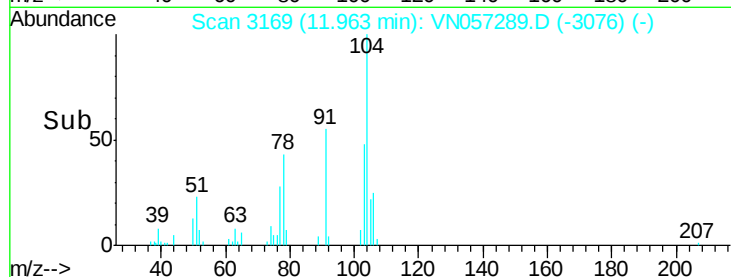
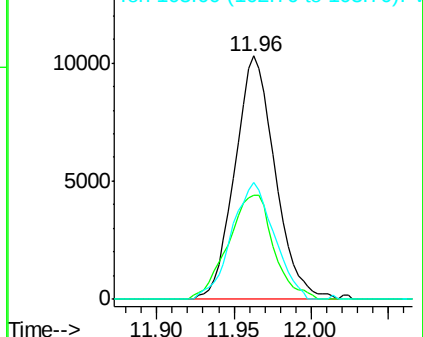
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.896 ug/l

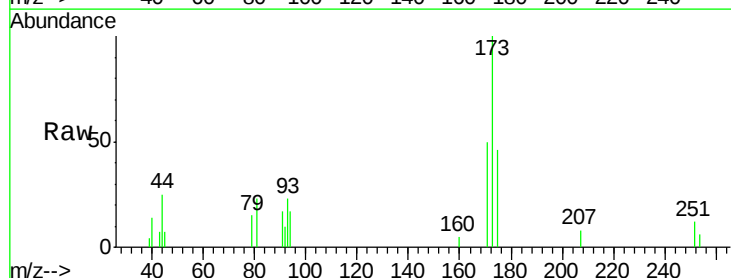
RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

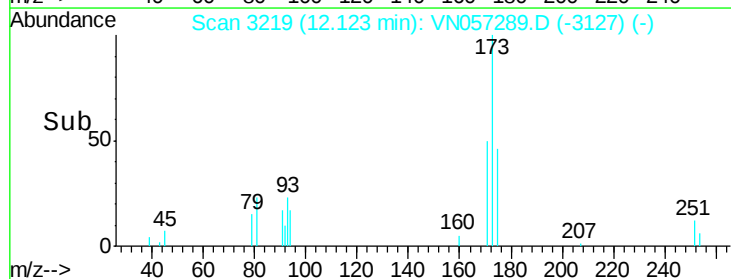
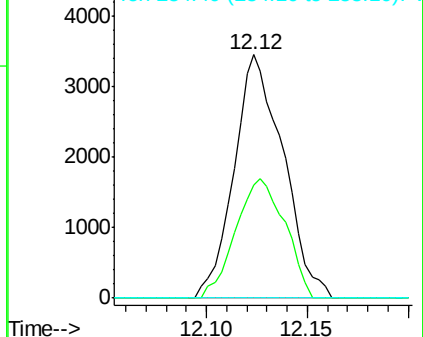
Tgt Ion:	173	Resp:	5886
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.2	72.6
254	0.0	0.2	0.2#

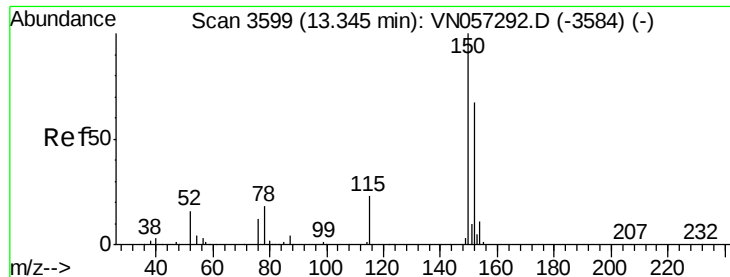


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

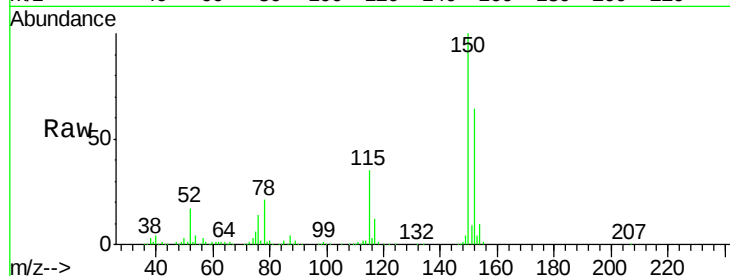
ClientSampleId :

VSTDIC001

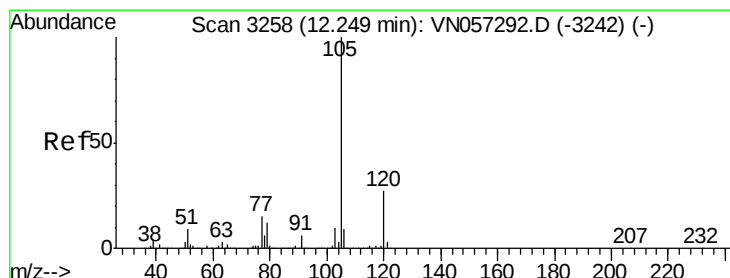
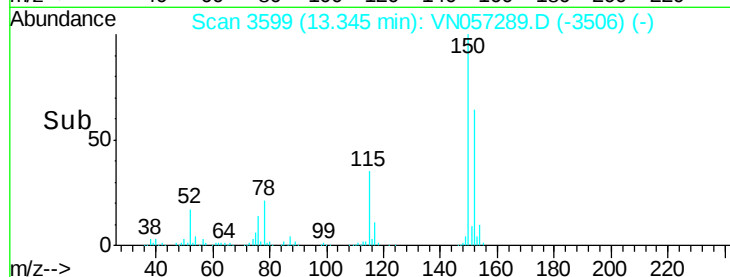
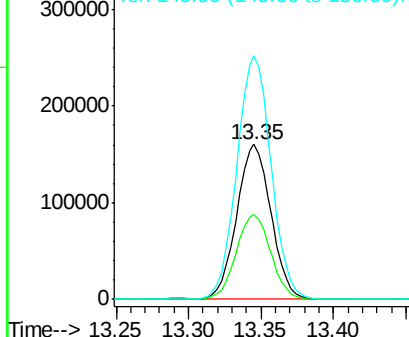
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	158.1	0.0	344.4

Manual Integrations
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.357 ug/l

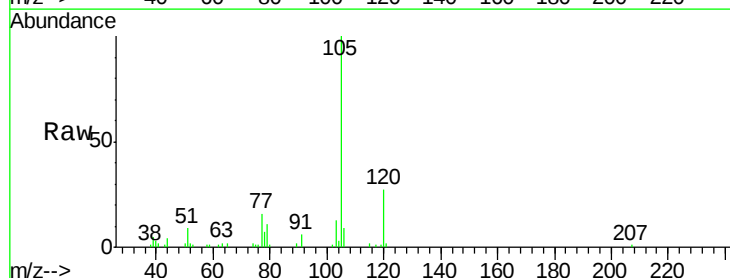
RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

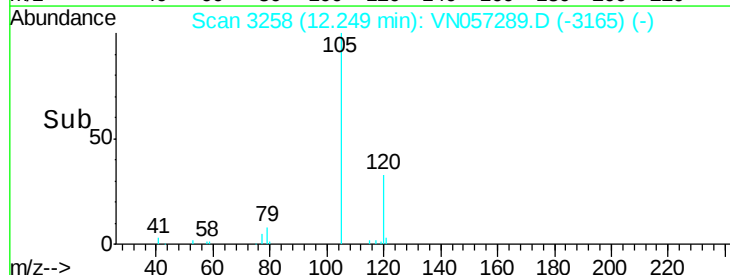
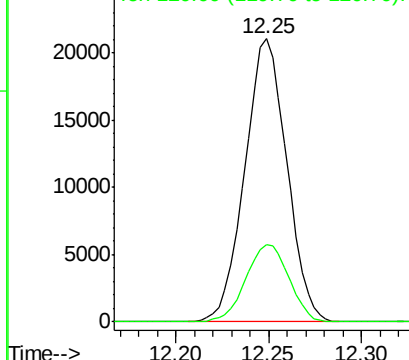
Lab File: VN057289.D

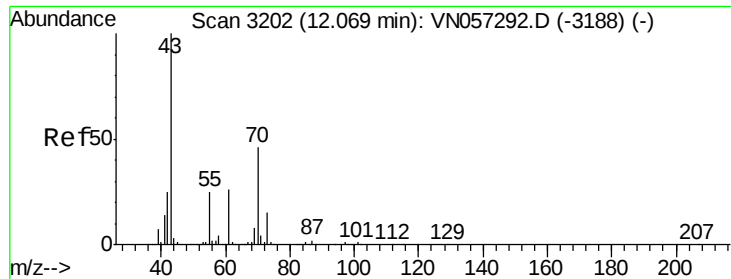
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.2	39.6



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





#74

N-amvl acetate

Concen: 1.158 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

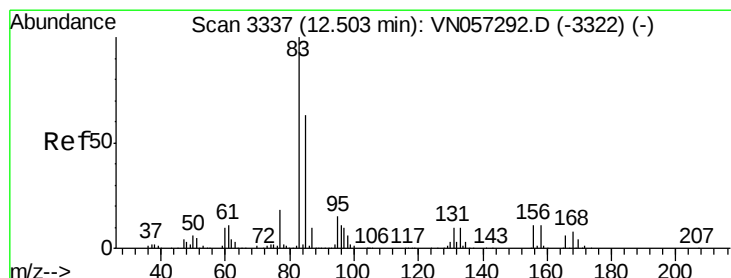
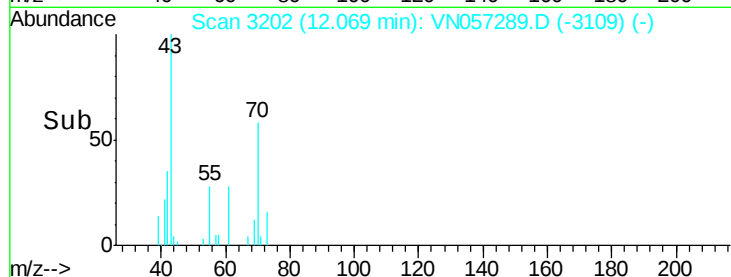
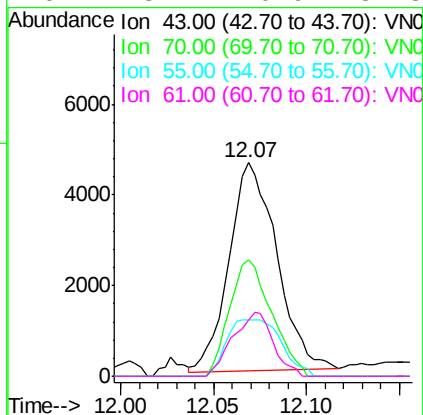
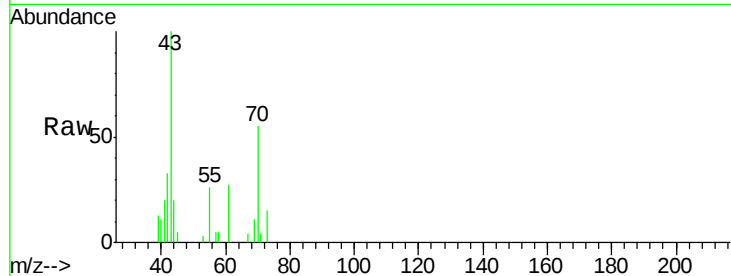
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	8230
Ion	Ratio	Lower	Upper
43	100		
70	49.3	36.2	54.2
55	30.8	20.1	30.1#
61	25.7	20.9	31.3

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.515 ug/l

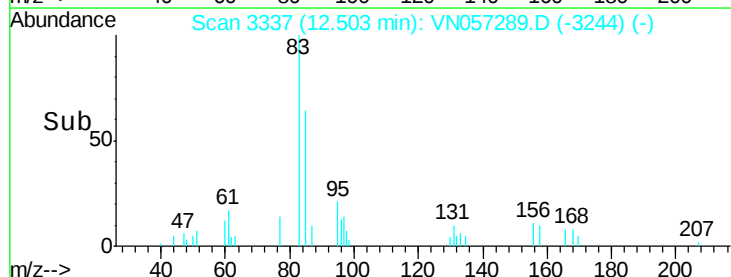
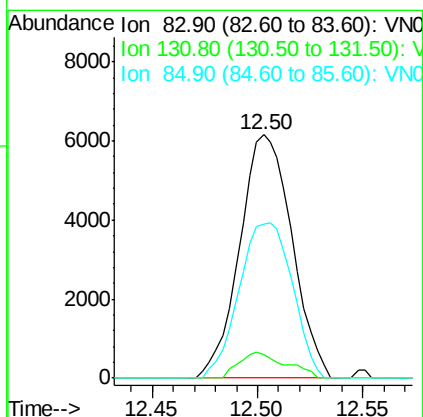
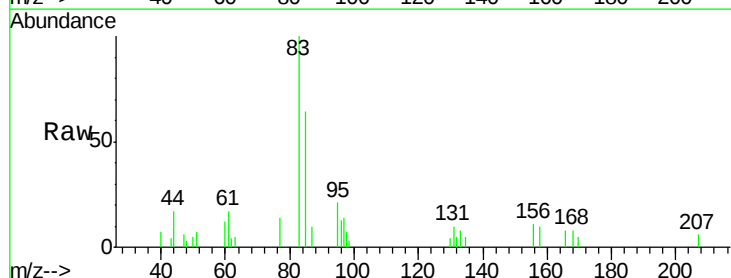
RT: 12.50 min Scan# 3337

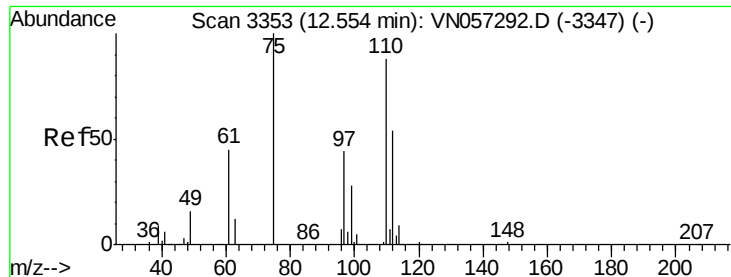
Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	83	Resp:	10590
Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.4	16.2
85	65.0	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 1.547 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 8589

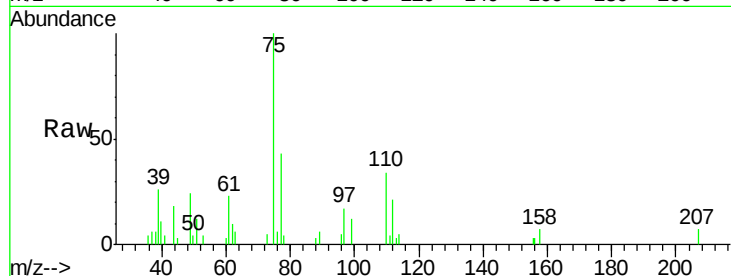
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

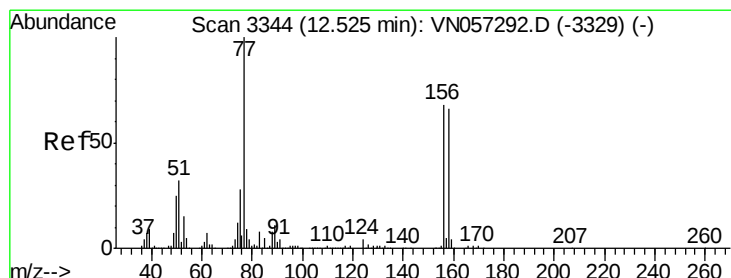
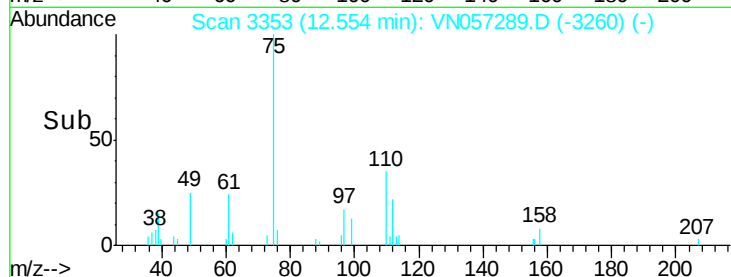
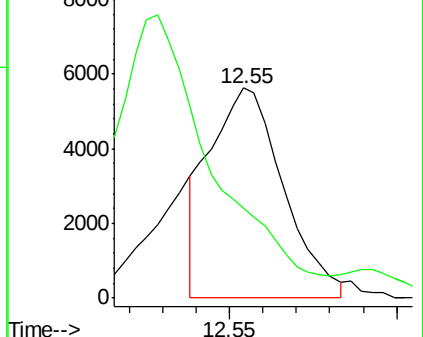
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Abundance Ion 74.90 (74.60 to 75.60): VN057289.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057289.D (-3260) (-)



#77

Bromobenzene

Concen: 1.285 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

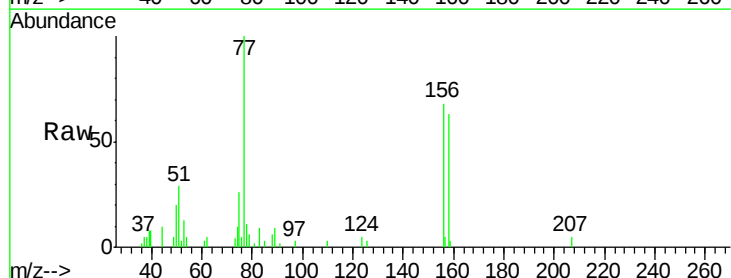
Tgt Ion: 156 Resp: 8515

Ion Ratio Lower Upper

156 100

77 189.4 89.8 269.6

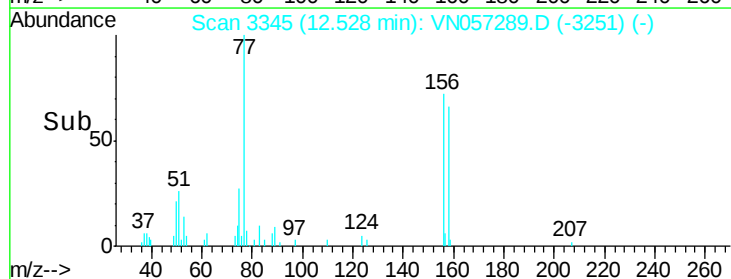
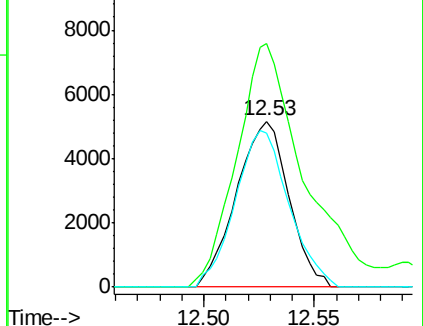
158 96.9 49.3 147.8

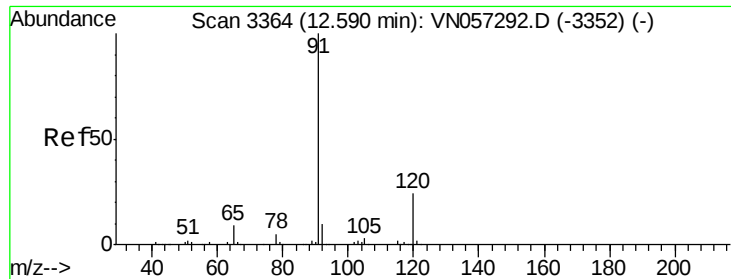


Abundance Ion 155.80 (155.50 to 156.50): VN057289.D (-3251) (-)

Ion 77.00 (76.70 to 77.70): VN057289.D (-3251) (-)

Ion 157.80 (157.50 to 158.50): VN057289.D (-3251) (-)





#78

n-propylbenzene

Concen: 1.212 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 29702

Ion Ratio Lower Upper

91 100

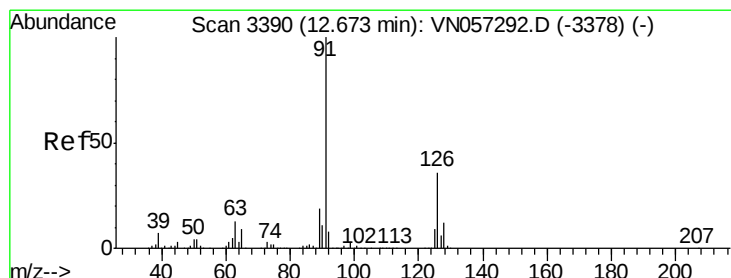
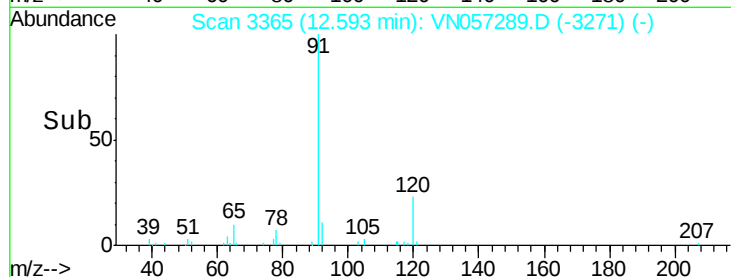
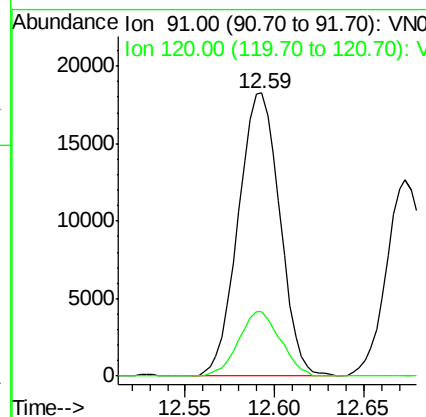
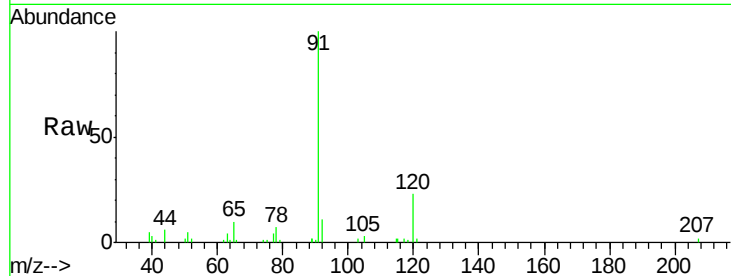
120 22.9 11.9 35.7

Manual Integrations

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#79

2-Chlorotoluene

Concen: 1.324 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057289.D

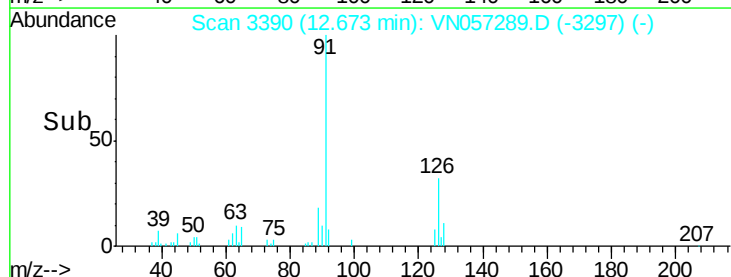
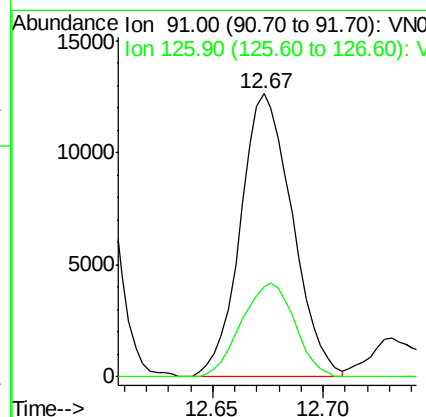
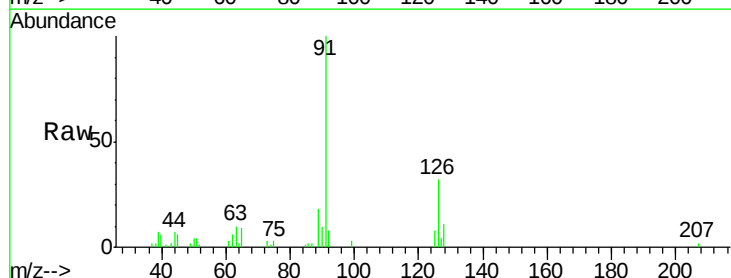
Acq: 14 Aug 2019 16:14

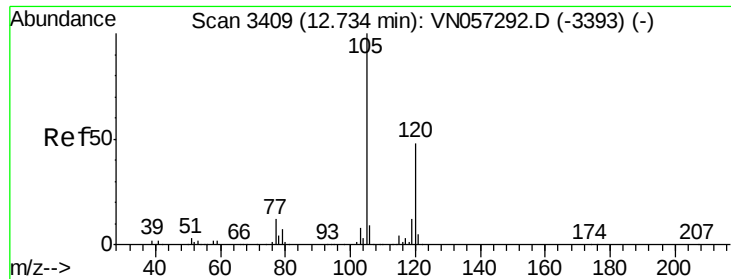
Tgt Ion: 91 Resp: 20750

Ion Ratio Lower Upper

91 100

126 34.0 18.1 54.1





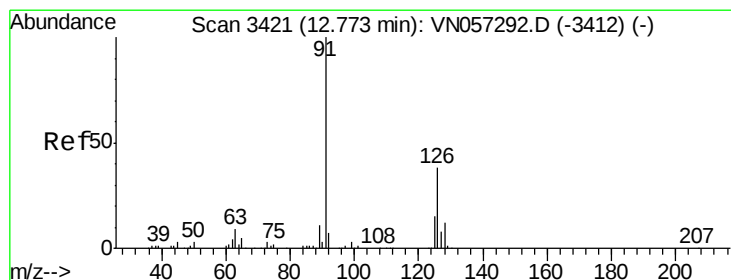
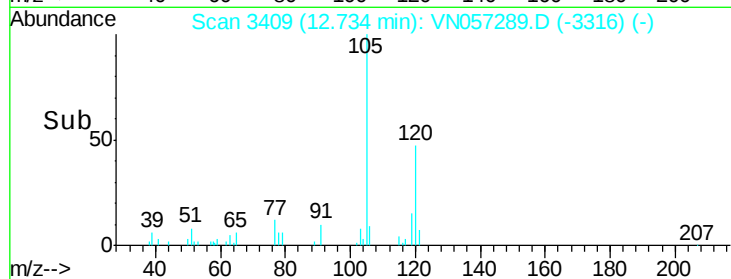
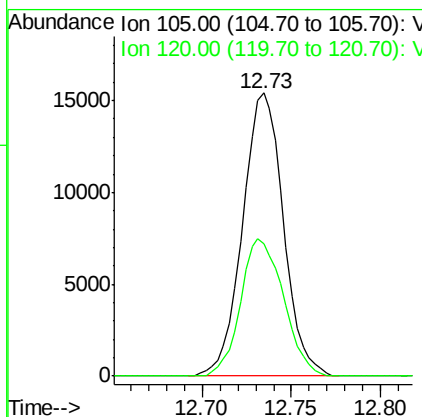
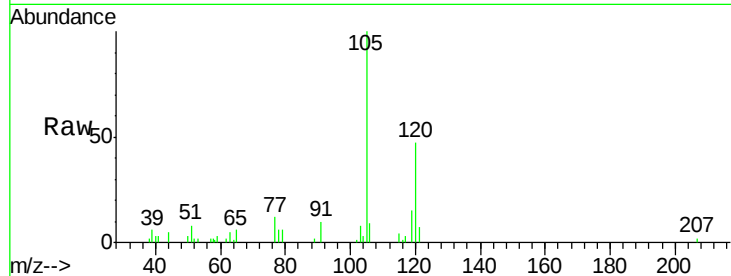
#80
 1,3,5-Trimethylbenzene
 Concen: 1.246 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	50.9	24.3	73.0

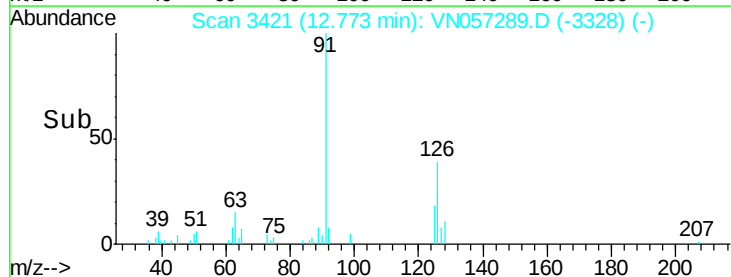
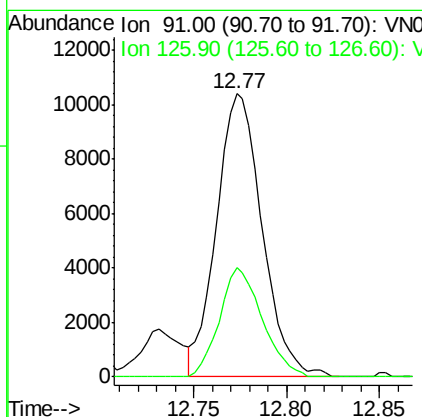
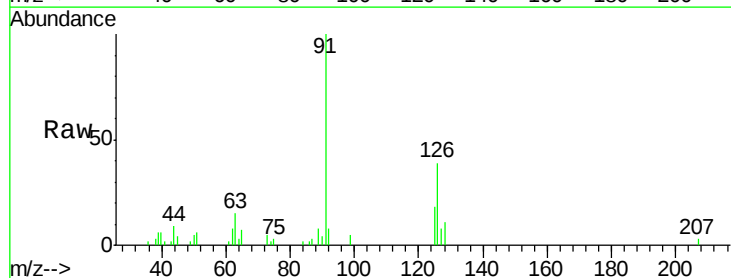
Manual Integrations
 APPROVED

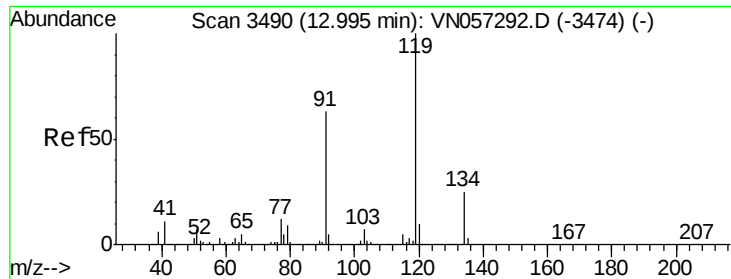
MMDadoda
 8/19/2019 1:53:13 AM



#82
 4-Chlorotoluene
 Concen: 1.239 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.3	51.7





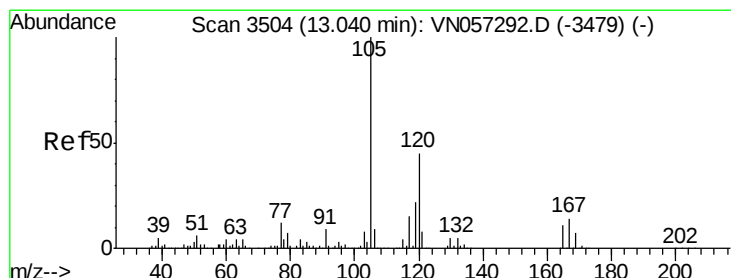
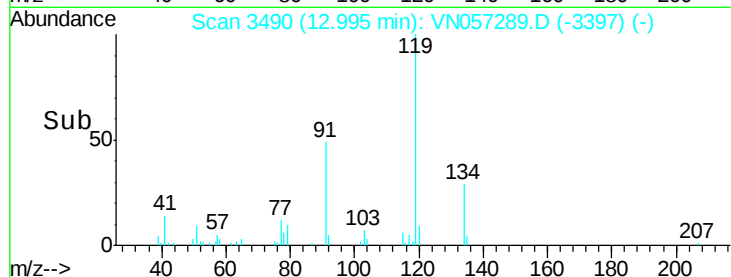
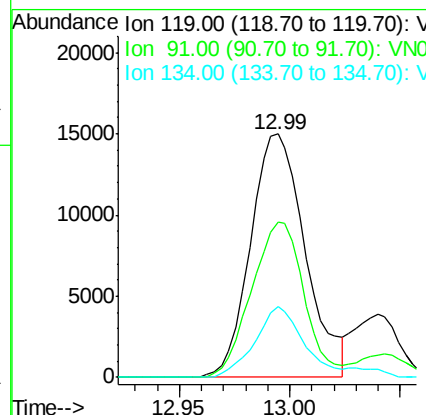
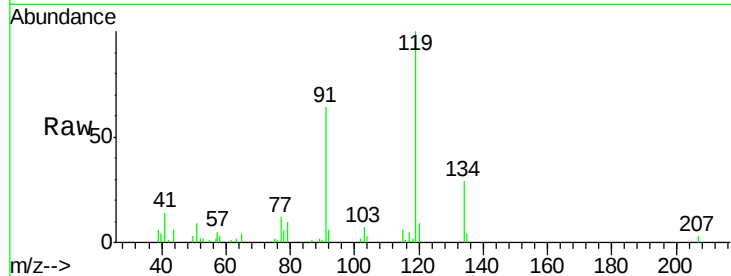
#83
tert-Butylbenzene
Concen: 1.397 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	25750		
91	61.1		31.3	93.8
134	28.2		13.1	39.1

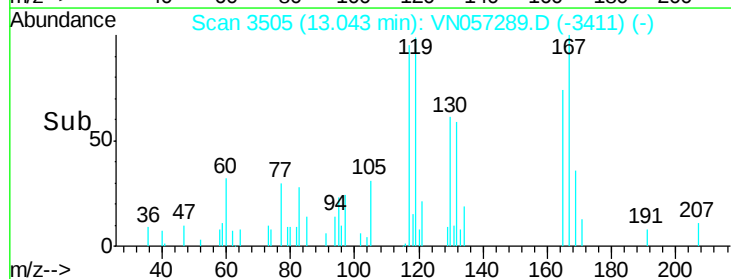
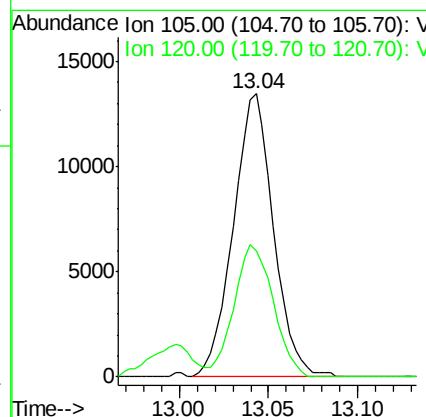
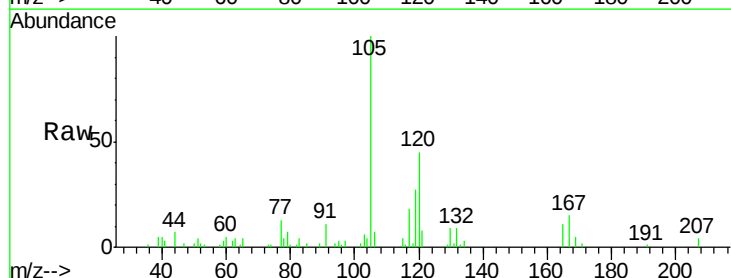
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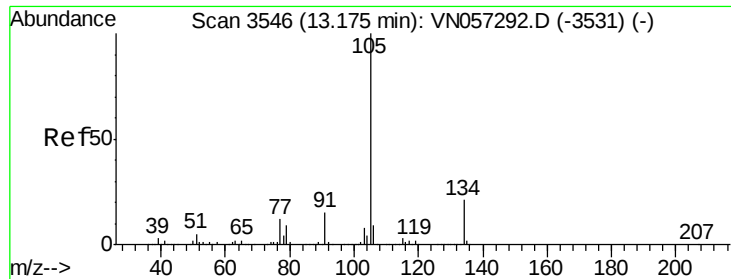
MMDadoda
8/19/2019 1:53:13 AM



#84
1,2,4-Trimethylbenzene
Concen: 1.144 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21127		
120	45.7		22.6	67.7





#85

sec-Butylbenzene

Concen: 1.257 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 27750

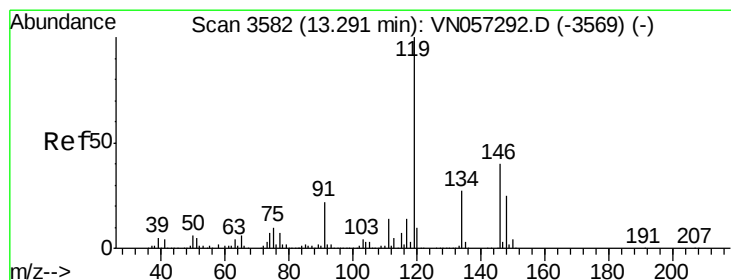
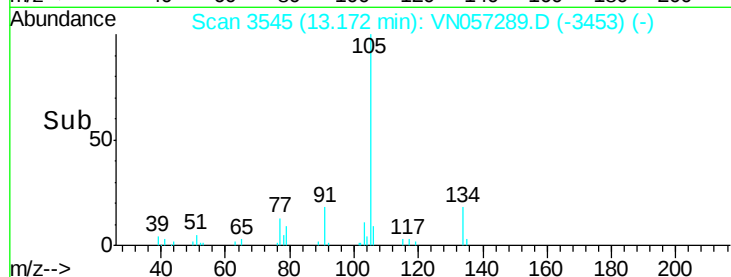
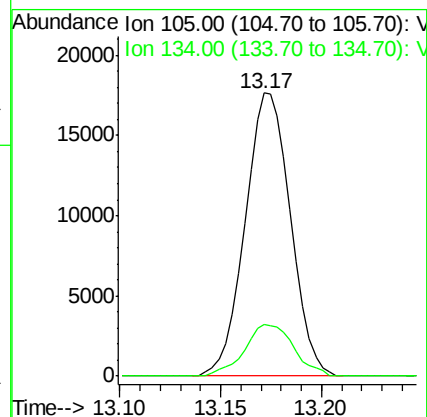
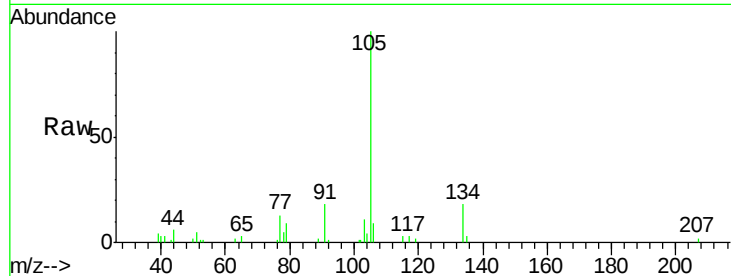
Ion Ratio Lower Upper

105 100

134 19.8 10.4 31.2

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 1.106 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

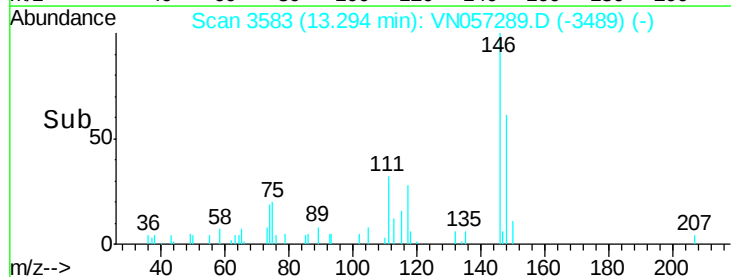
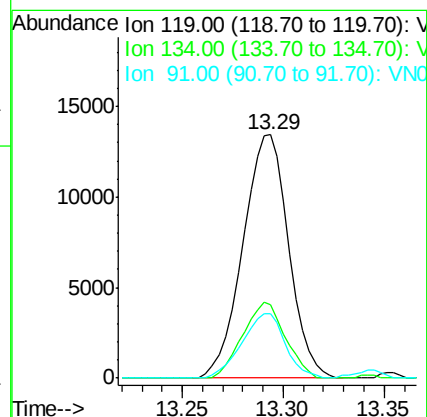
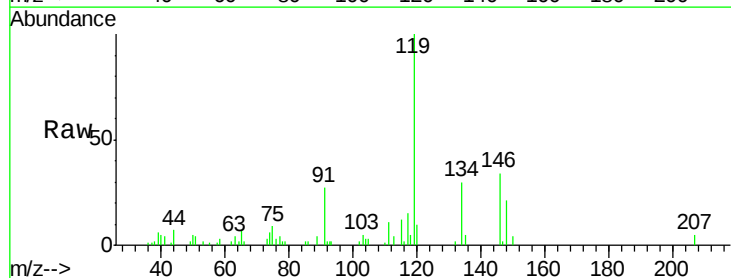
Tgt Ion:119 Resp: 21280

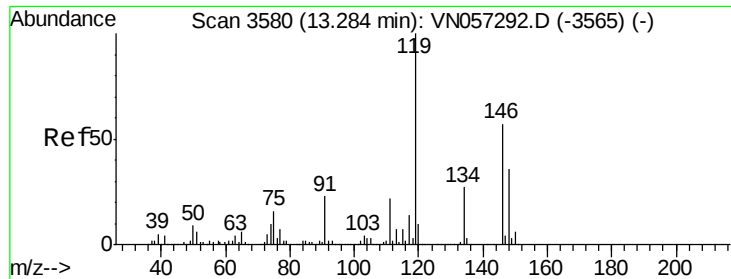
Ion Ratio Lower Upper

119 100

134 29.1 13.4 40.2

91 25.2 11.2 33.5





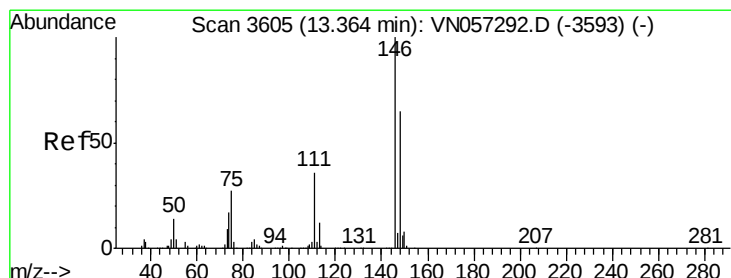
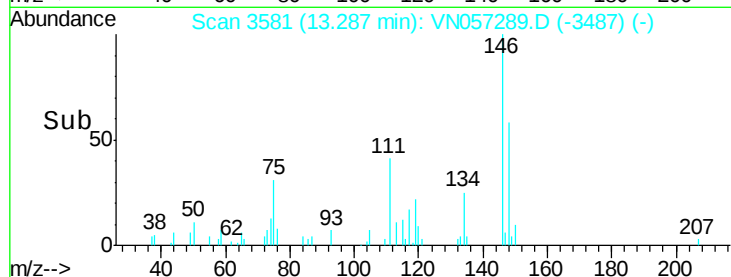
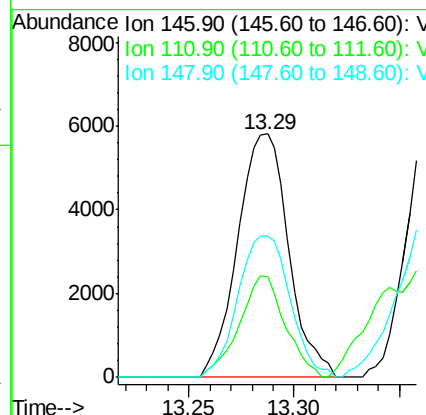
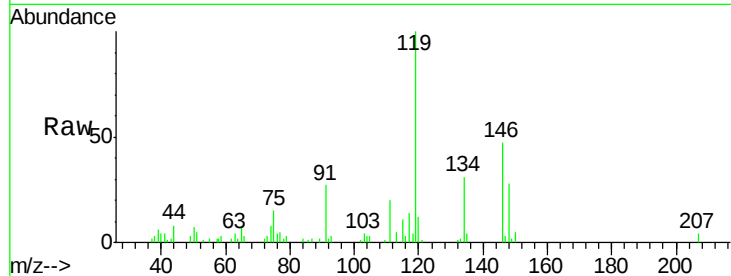
#87
 1,3-Dichlorobenzene
 Concen: 1.075 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	59.3	31.7	95.1

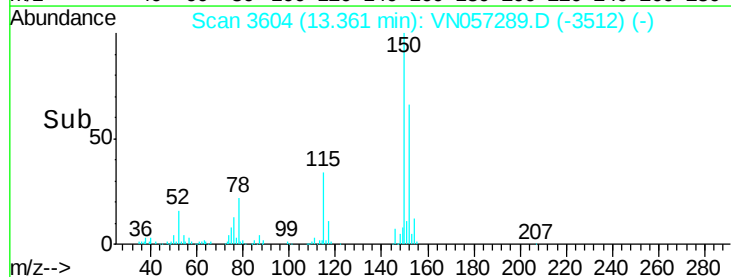
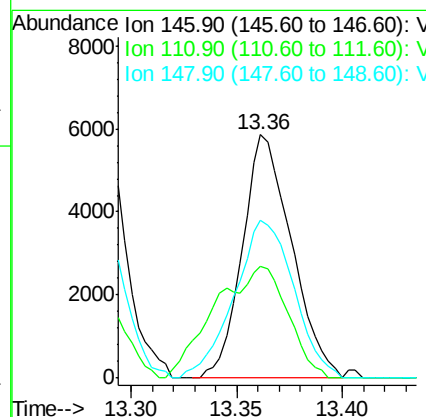
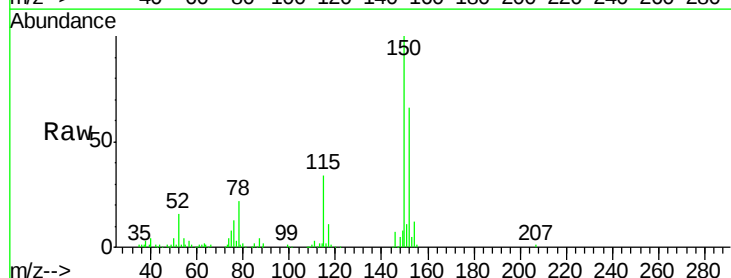
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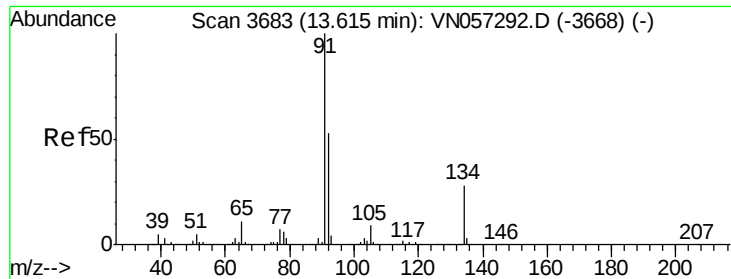
MMdadoda
 8/19/2019 1:53:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 1.078 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.4	55.4
148	78.4	32.5	97.4





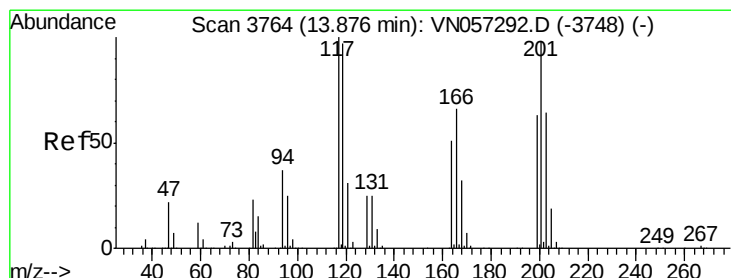
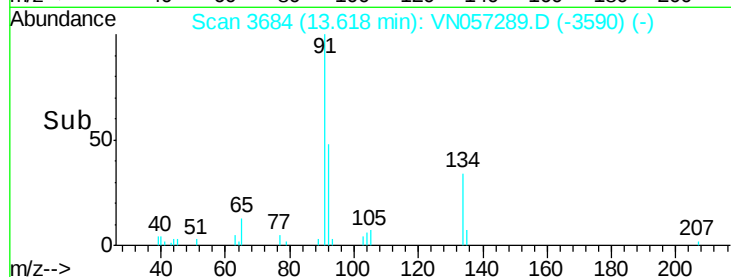
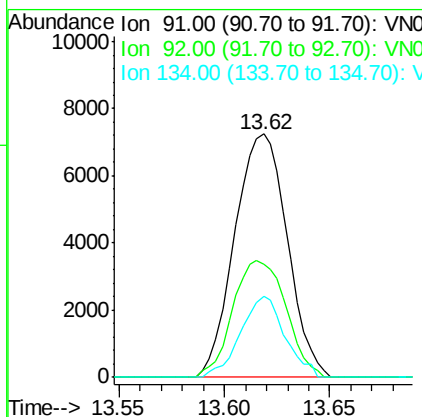
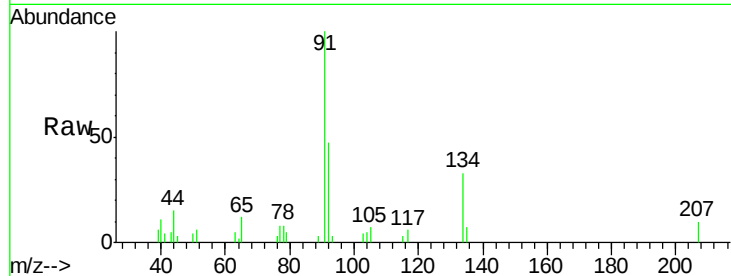
#89
n-Butylbenzene
Concen: 0.928 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.6	26.2	78.6
134	27.9	13.9	41.7

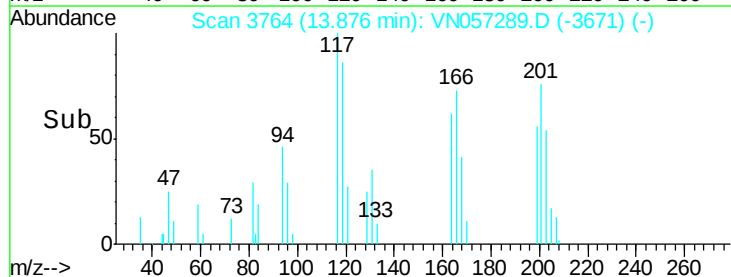
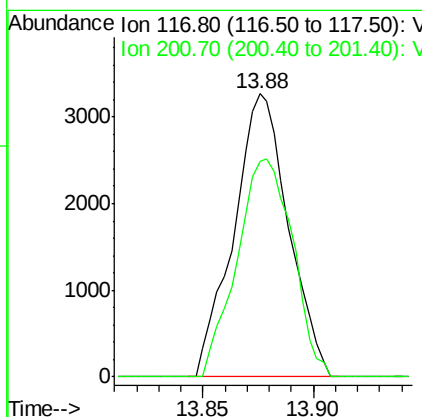
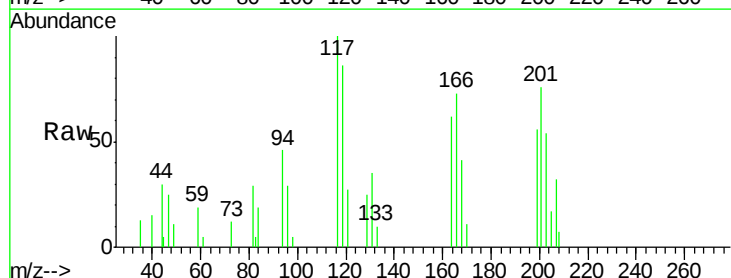
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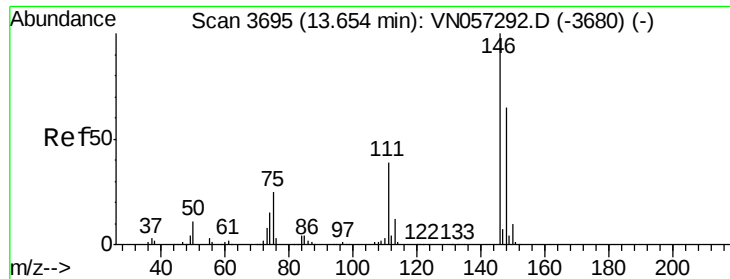
MMDadoda
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#90
Hexachloroethane
Concen: 1.491 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057289.D
Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.3	48.4	145.0





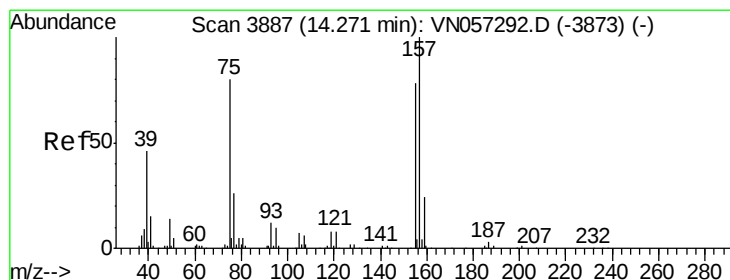
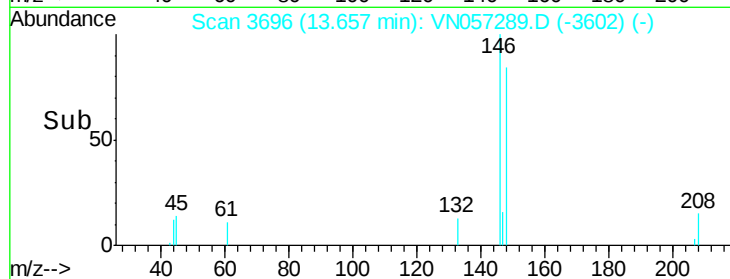
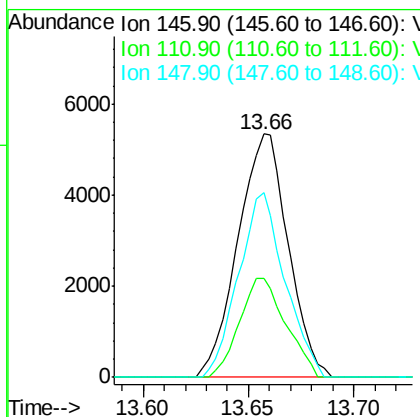
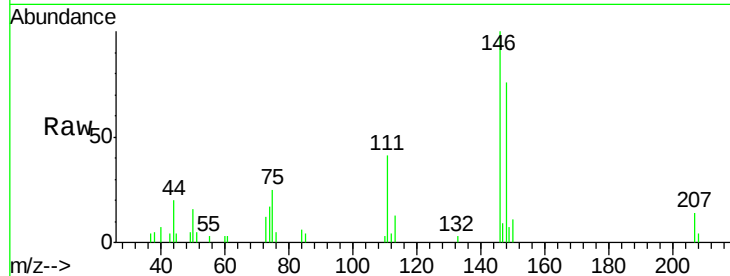
#91
 1,2-Dichlorobenzene
 Concen: 1.003 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.7	59.1
148	70.1	32.0	96.0

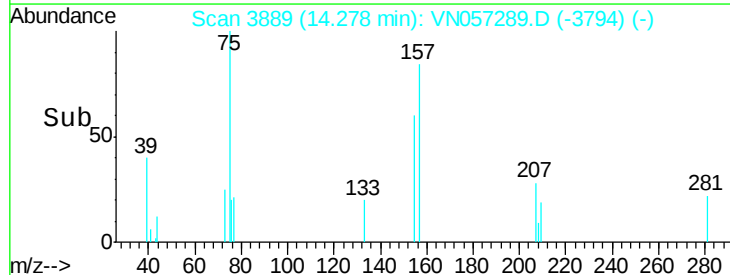
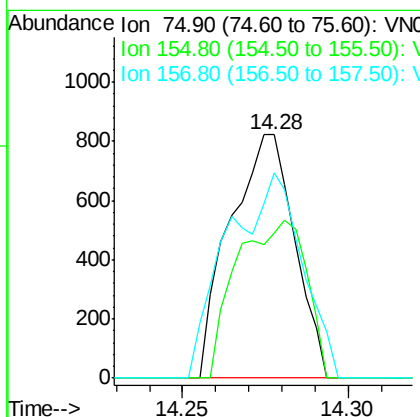
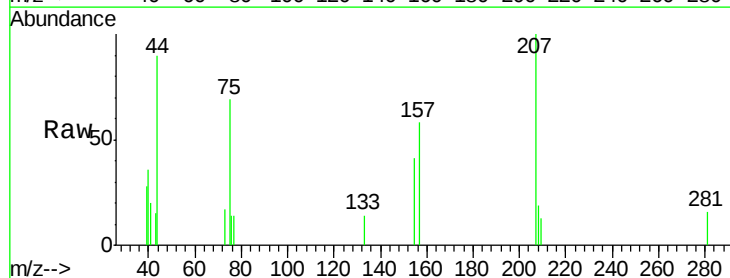
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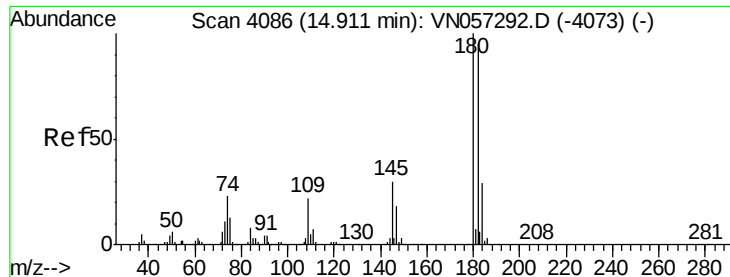
MMDadoda
 8/19/2019 1:53:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.269 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	49.6	148.8
157	97.1	63.7	191.1





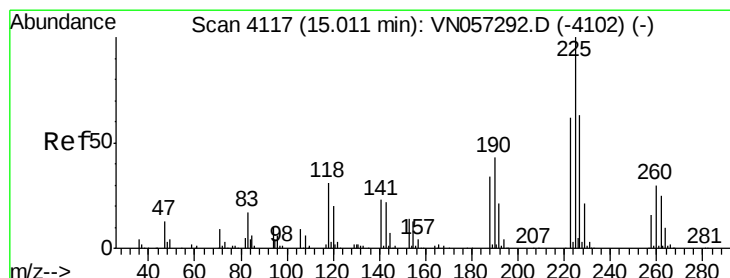
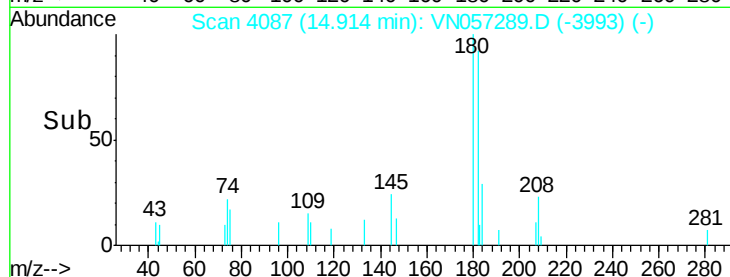
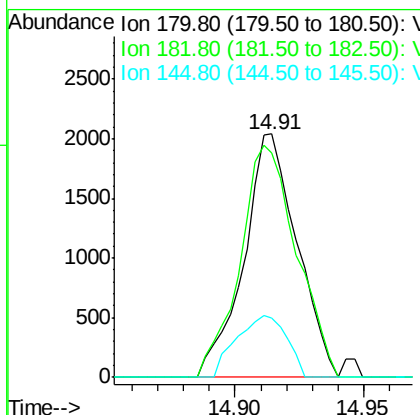
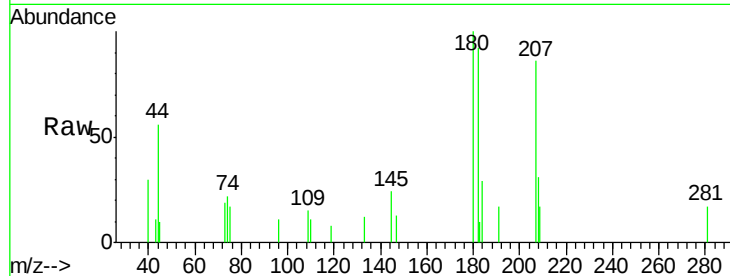
#93
 1,2,4-Trichlorobenzene
 Concen: 0.928 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.3	48.0	144.2
145	23.8	14.5	43.6

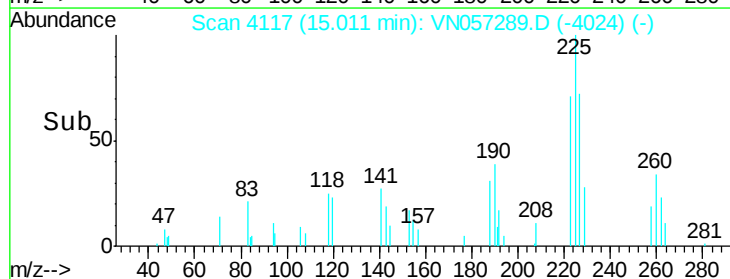
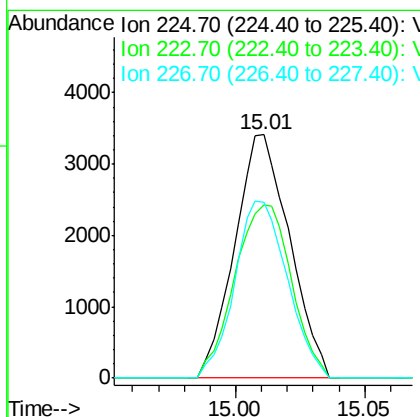
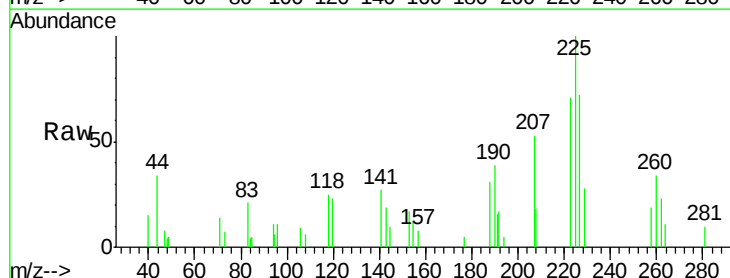
Manual Integrations
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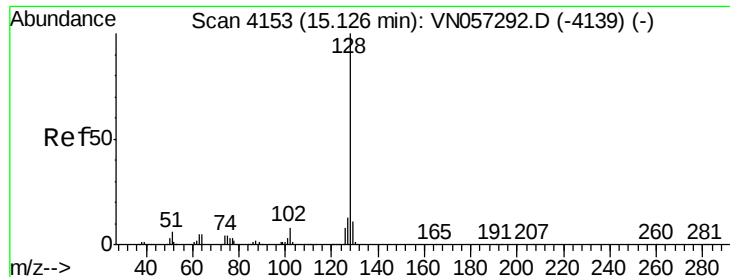
MMDadoda
 8/19/2019 1:53:13 AM



#94
 Hexachlorobutadiene
 Concen: 1.191 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057289.D
 Acq: 14 Aug 2019 16:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	73.8	30.7	92.1
227	70.0	30.9	92.7





#95

Naphthalene

Concen: 0.874 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.01 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Instrument :

MSVOA_N

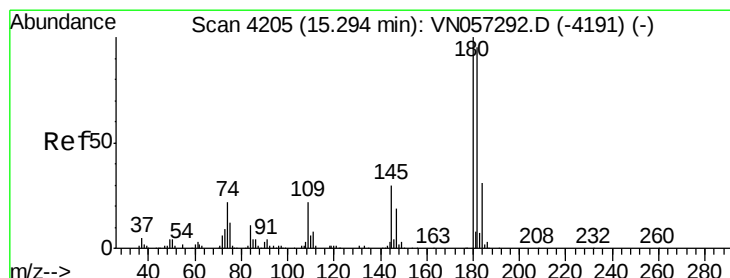
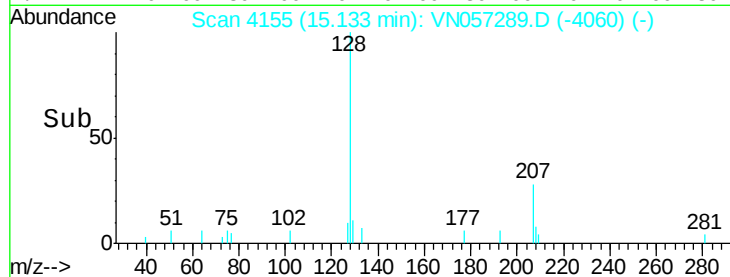
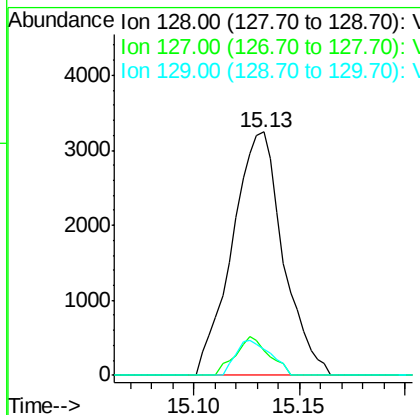
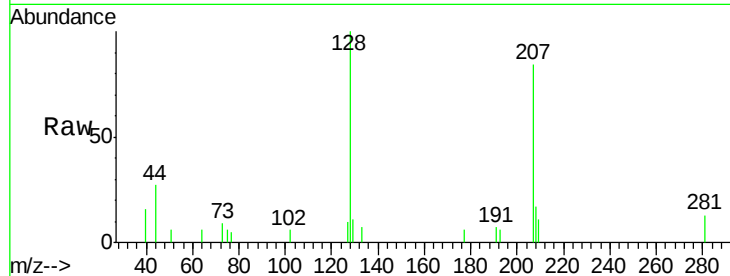
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	5432
Ion	Ratio	Lower	Upper
128	100		
127	10.5	10.5	15.7
129	9.9	8.8	13.2

Manual Integrations
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MMdadoda
8/19/2019 1:53:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.902 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057289.D

Acq: 14 Aug 2019 16:14

Tgt Ion:	180	Resp:	2894
Ion	Ratio	Lower	Upper
180	100		
182	100.6	47.9	143.6
145	26.6	15.1	45.3

