

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090319\
 Data File : VN057662.D
 Acq On : 3 Sep 2019 14:44
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 3:20:48 PM

Quant Time: Sep 04 01:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:47:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	64036	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	385734	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321452	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	202291	38.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	127.60%
60) 4-Bromofluorobenzene	12.40	95	137907	27.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.50%
63) Toluene-d8	10.08	98	481683	32.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	106.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	21657	6.073 ug/l	97
3) Chloromethane	2.05	50	24915	7.443 ug/l	91
4) Vinyl Chloride	2.18	62	19732	4.417 ug/l	98
5) Bromomethane	2.54	94	14527m	3.728 ug/l	
6) Chloroethane	2.69	64	15030	4.936 ug/l	98
7) Trichlorofluoromethane	3.01	101	39308	4.137 ug/l	89
8) Diethyl Ether	3.40	74	12556	4.070 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	20832	3.754 ug/l	90
10) 1,1-Dichloroethene	3.73	96	18232	3.545 ug/l	95
11) Methyl Iodide	3.95	142	22716	2.631 ug/l	98
12) Methyl Acetate	4.31	43	28363	8.108 ug/l	96
13) Acrolein	3.60	56	7979	21.389 ug/l	96
14) Acrylonitrile	4.98	53	48188	36.243 ug/l #	83
15) Acetone	3.80	58	14788	24.538 ug/l	95
16) Carbon Disulfide	4.05	76	43845	6.868 ug/l	100
17) Allyl chloride	4.31	41	37936	8.252 ug/l	98
18) Methylene Chloride	4.54	84	25351m	7.366 ug/l	
19) trans-1,2-Dichloroethene	5.02	96	19331	5.820 ug/l	96
20) Diisopropyl ether	5.94	45	82042	7.496 ug/l #	95
21) 1,1-Dichloroethane	5.83	63	44345	6.772 ug/l	97
22) cis-1,2-Dichloroethene	6.82	96	23544	5.368 ug/l	99
23) tert-Butyl Alcohol	4.76	59	16782m	34.728 ug/l	
24) Methyl tert-Butyl Ether	5.02	73	72889m	6.577 ug/l	
25) Chloroform	7.36	83	44079	5.734 ug/l	91
26) Cyclohexane	7.64	56	38046	6.962 ug/l #	100
29) 1,1-Dichloropropene	7.78	75	31268	5.832 ug/l	98
30) 2-Butanone	6.82	43	70630	37.423 ug/l #	98
31) 2,2-Dichloropropane	6.81	77	37796m	5.885 ug/l	
32) 1,1,1-Trichloroethane	7.56	97	36271	5.156 ug/l	97
33) Carbon Tetrachloride	7.76	117	29276	4.947 ug/l	98
34) Benzene	8.03	78	90380	5.682 ug/l #	63
35) Methacrylonitrile	7.16	41	9395m	5.203 ug/l	
36) 1,2-Dichloroethane	8.11	62	40368	6.662 ug/l #	100
37) Trichloroethene	8.83	130	21122	4.769 ug/l	98
38) Methylcyclohexane	9.08	83	36137	5.685 ug/l	97
39) 1,2-Dichloropropane	9.11	63	24723	6.176 ug/l	92
40) Dibromomethane	9.20	93	15824	5.372 ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 04 01:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 04 01:47:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.39	83	31352	5.148	ug/l #	92
42) Vinyl Acetate	5.88	43	322025	38.028	ug/l	100
43) Ethyl Acetate	6.91	43	28209	7.696	ug/l #	84
44) Isopropyl Acetate	8.16	43	53299	7.296	ug/l #	90
45) 1,4-Dioxane	9.19	88	6983	118.832	ug/l #	82
46) Methyl methacrylate	9.19	41	25268	7.460	ug/l	94
47) n-amyl Acetate	12.07	43	36499	6.273	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	30933	5.027	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	35299	5.318	ug/l	93
50) 1,1,2-Trichloroethane	10.56	97	21377	5.081	ug/l	98
51) Ethyl methacrylate	10.43	69	31328	5.506	ug/l	99
52) 1,3-Dichloropropane	10.70	76	37803	5.645	ug/l	98
53) Dibromochloromethane	10.90	129	18551	3.994	ug/l	97
54) 1,2-Dibromoethane	11.00	107	19687	4.555	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	44843	30.511	ug/l	99
56) Bromoform	12.13	173	10361	3.446	ug/l #	96
58) 4-Methyl-2-Pentanone	9.98	43	149472	40.569	ug/l	98
59) 2-Hexanone	10.75	43	102397	40.221	ug/l	100
61) Tetrachloroethene	10.63	164	20786	5.159	ug/l	95
62) Toluene	10.15	91	98266	6.001	ug/l	98
64) Chlorobenzene	11.43	112	54818	5.290	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	18770	4.602	ug/l	96
66) Ethyl Benzene	11.51	91	103655	5.856	ug/l	95
67) m/p-Xylenes	11.62	106	68586	9.902	ug/l	99
68) o-Xylene	11.95	106	34889	5.006	ug/l	98
69) Styrene	11.96	104	46878	4.268	ug/l	98
70) Isopropylbenzene	12.25	105	95208	5.436	ug/l #	51
71) 1,1,2,2-Tetrachloroethane	12.51	83	23809	5.027	ug/l	94
72) 1,2,3-Trichloropropane	12.56	75	24581m	6.044	ug/l	
73) Bromobenzene	12.53	156	18542	4.233	ug/l	98
74) n-propylbenzene	12.59	91	104579	5.763	ug/l	100
75) 2-Chlorotoluene	12.68	91	62174	5.262	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	78175	5.319	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	4880	3.783	ug/l	89
78) 4-Chlorotoluene	12.77	91	55450	4.955	ug/l	99
79) tert-butylbenzene	12.99	119	68321	5.116	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	69989	5.084	ug/l	97
81) sec-Butylbenzene	13.17	105	83562	5.144	ug/l	99
82) p-Isopropyltoluene	13.29	119	71418	5.003	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	22906	3.272	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	20702	3.095	ug/l	94
85) n-Butylbenzene	13.62	91	56358	4.869	ug/l	98
86) Hexachloroethane	13.88	117	11036	3.985	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	20712	3.116	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	2475	3.648	ug/l #	79
89) 1,2,4-Trichlorobenzene	14.91	180	4308	1.774	ug/l	96
90) Hexachlorobutadiene	15.01	225	9860	4.464	ug/l	95
91) Naphthalene	15.13	128	10249	1.548	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.30	180	4380	1.827	ug/l	88

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Sep 04 01:51:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090319W.M
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QLast Update : Wed Sep 04 01:47:16 2019
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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

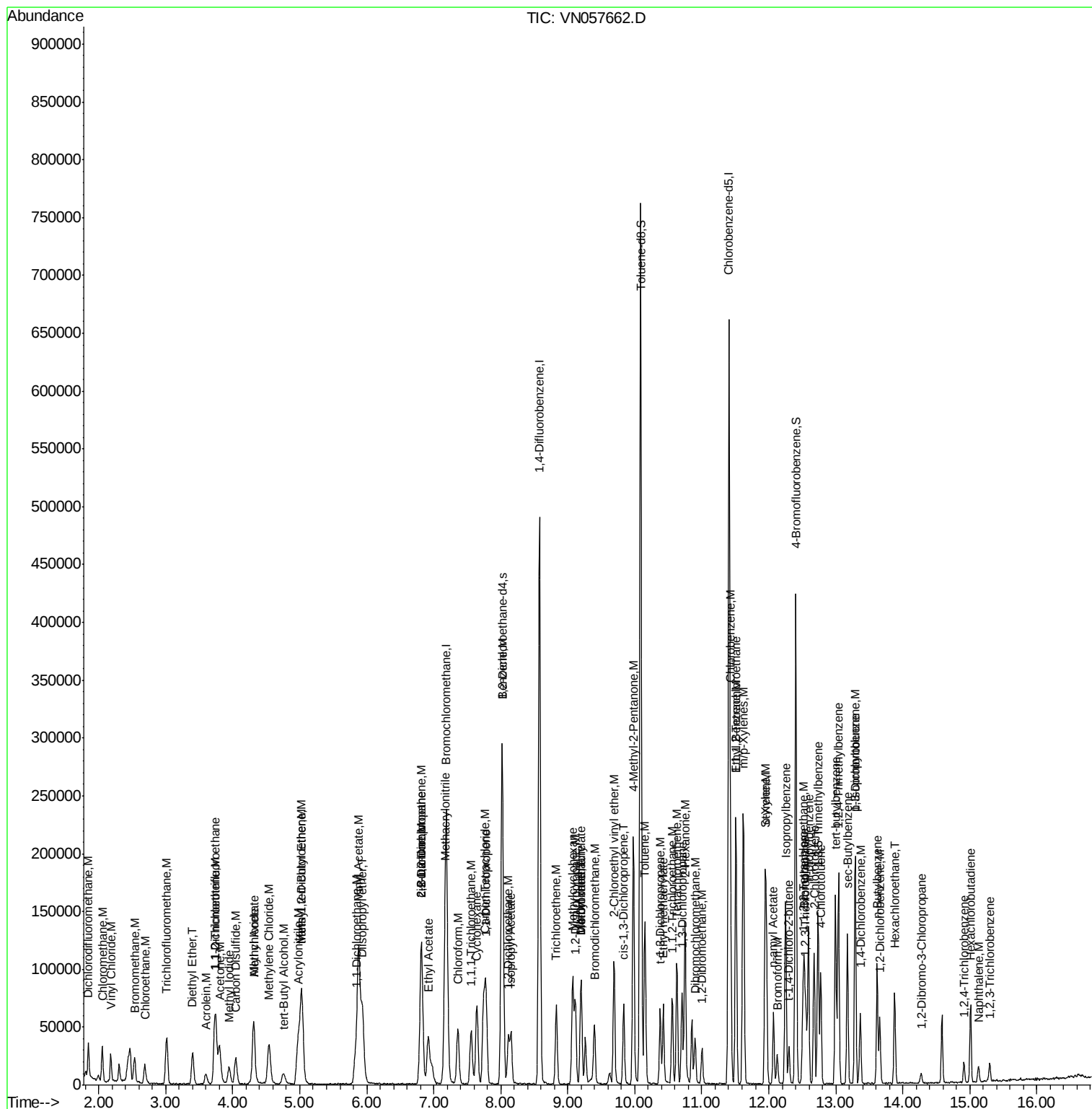
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Data File : VN057662.D
Acq On : 3 Sep 2019 14:44
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

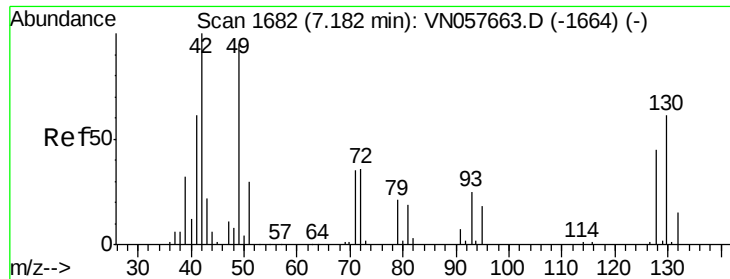
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:128 Resp: 64036

Ion Ratio Lower Upper

128 100

49 207.1 0.0 544.5

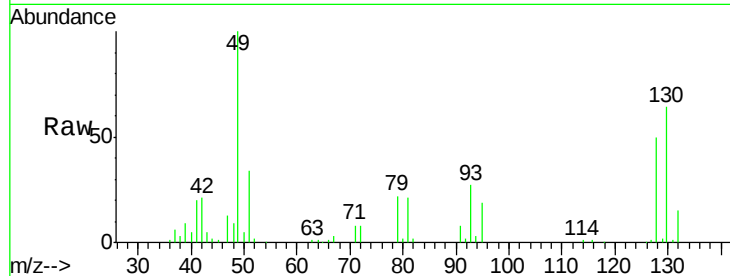
130 126.6 0.0 324.7

Manual Integrations

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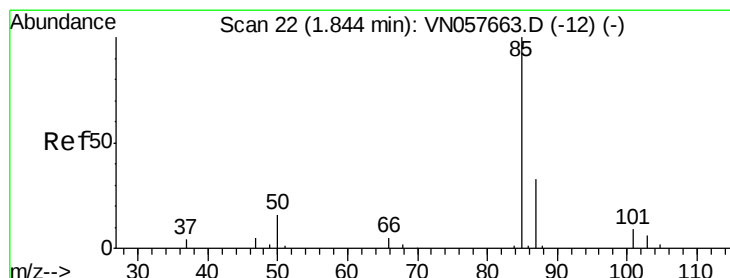
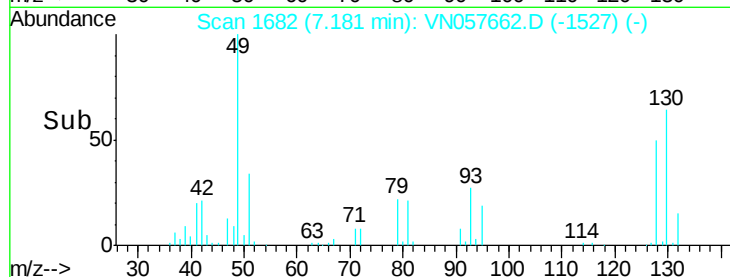
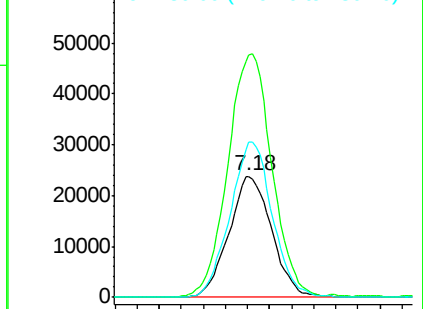
9/5/2019 3:20:48 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.073 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057662.D

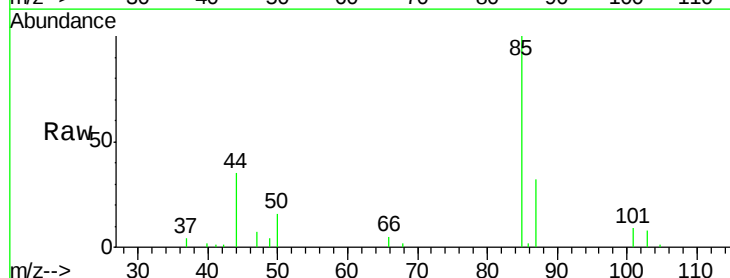
Acq: 3 Sep 2019 14:44

Tgt Ion: 85 Resp: 21657

Ion Ratio Lower Upper

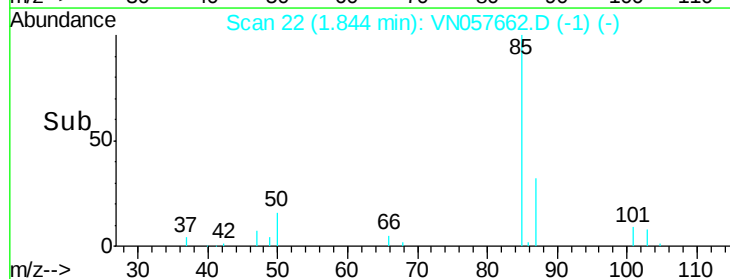
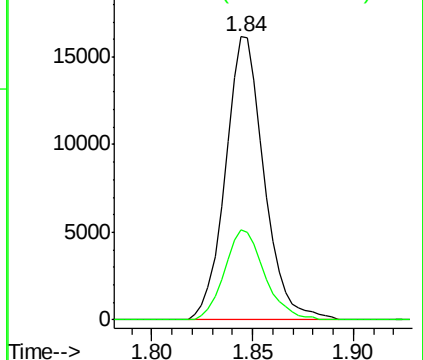
85 100

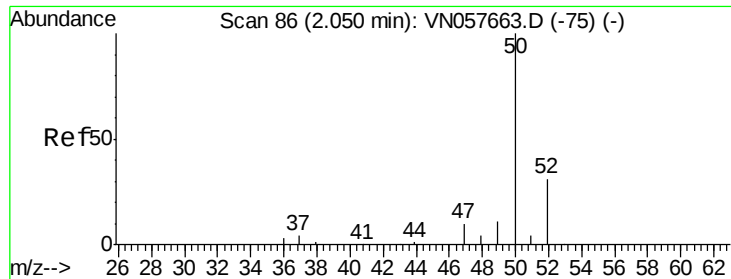
87 31.7 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 7.443 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24915

Ion Ratio Lower Upper

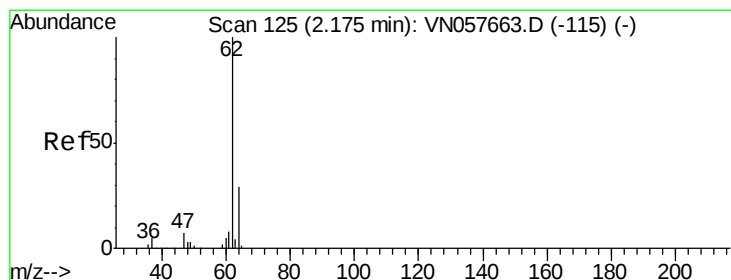
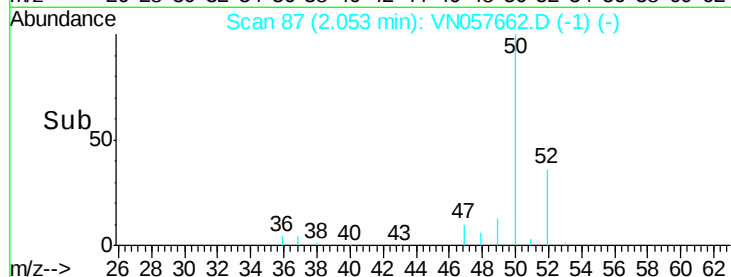
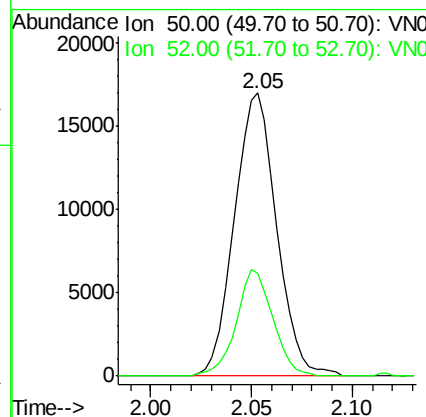
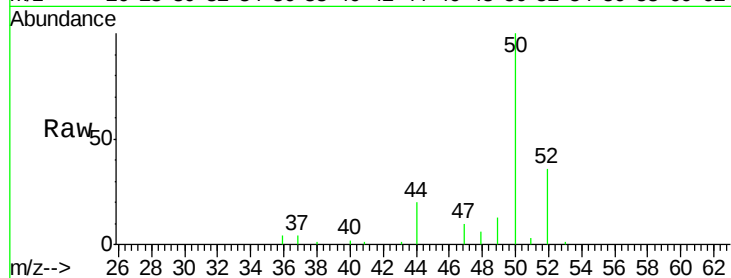
50 100

52 36.3 25.2 37.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 4.417 ug/l

RT: 2.18 min Scan# 126

Delta R.T. 0.00 min

Lab File: VN057662.D

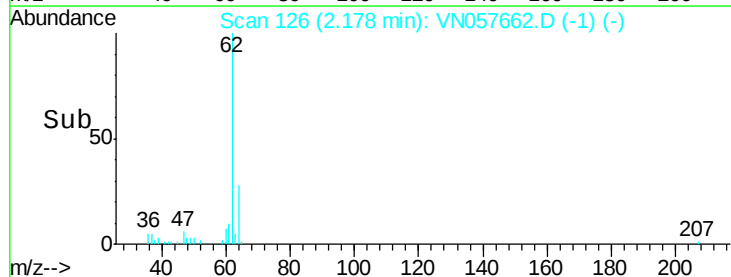
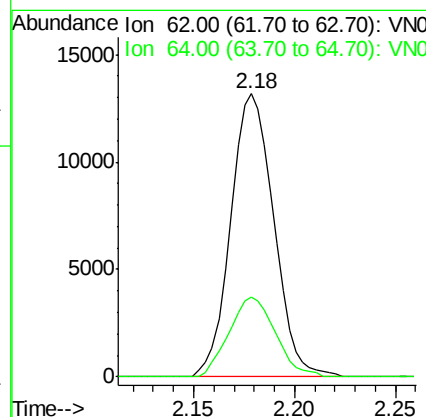
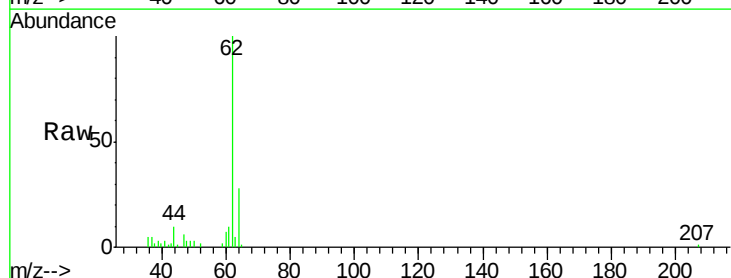
Acq: 3 Sep 2019 14:44

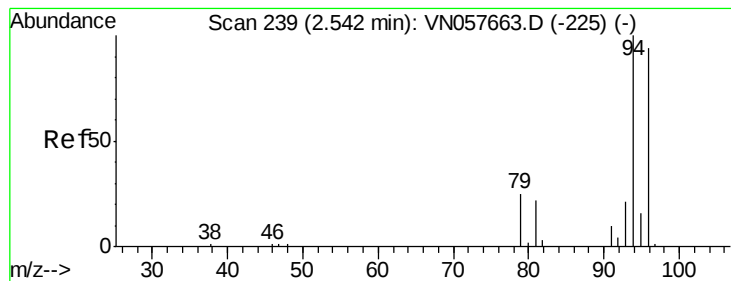
Tgt Ion: 62 Resp: 19732

Ion Ratio Lower Upper

62 100

64 28.0 23.2 34.8





#5

Bromomethane

Concen: 3.728 ug/l m

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tot Ion: 94 Resp: 14527

Ion Ratio Lower Upper

94 100

96 93.2 75.6 113.4

Instrument :

MSVOA_N

ClientSampleId :

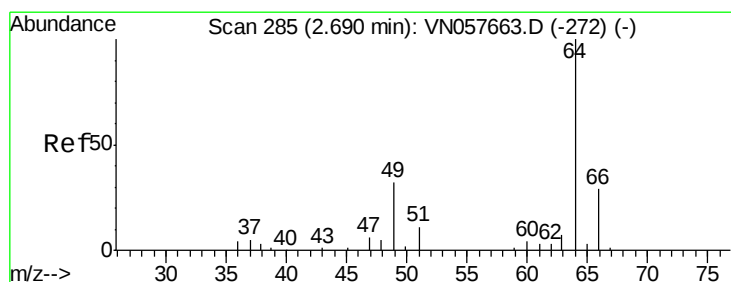
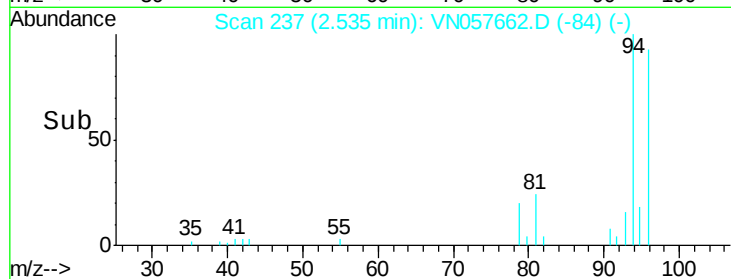
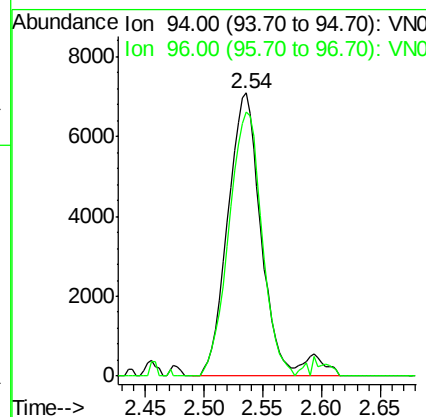
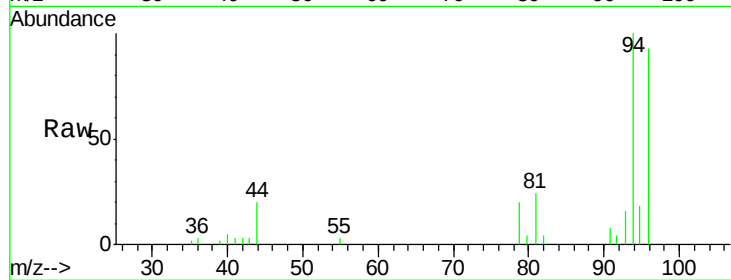
VSTDIC005

Manual Integrations

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#6

Chloroethane

Concen: 4.936 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057662.D

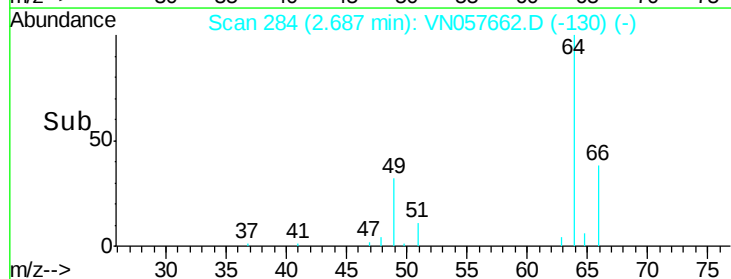
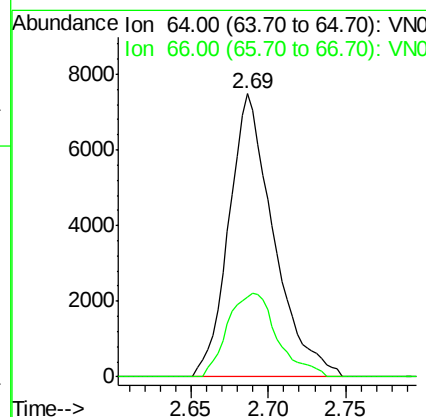
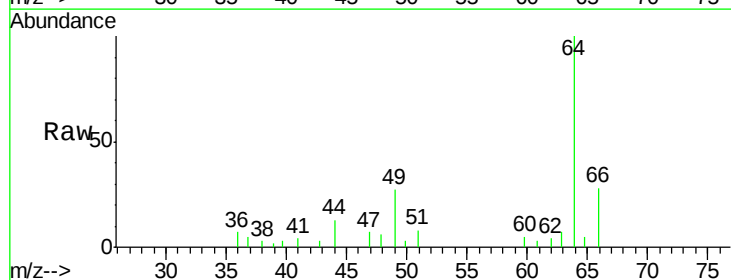
Acq: 3 Sep 2019 14:44

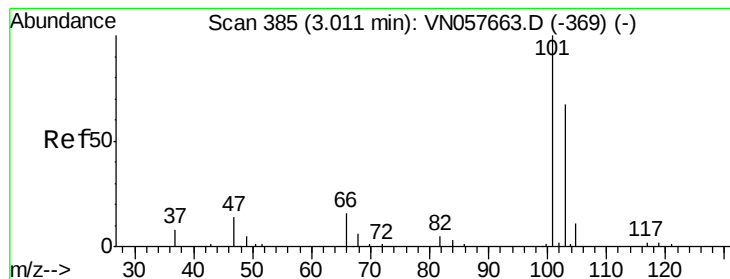
Tgt Ion: 64 Resp: 15030

Ion Ratio Lower Upper

64 100

66 28.4 23.5 35.3





#7

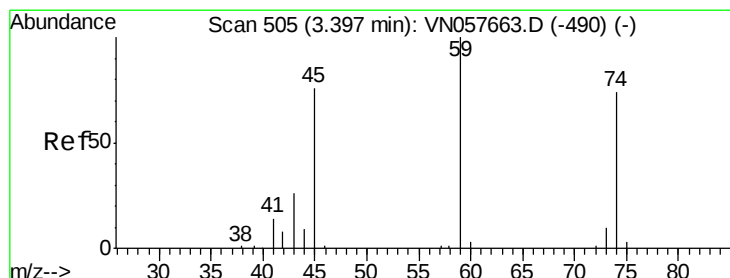
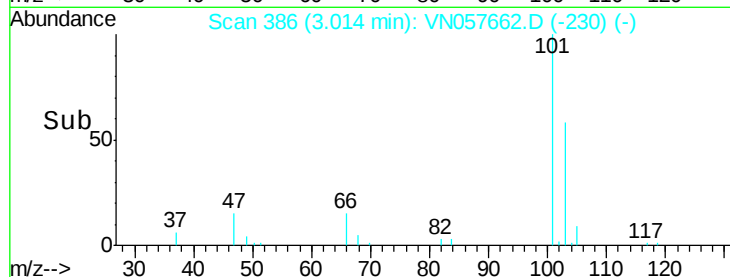
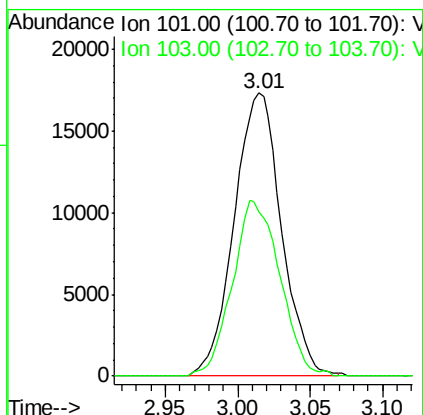
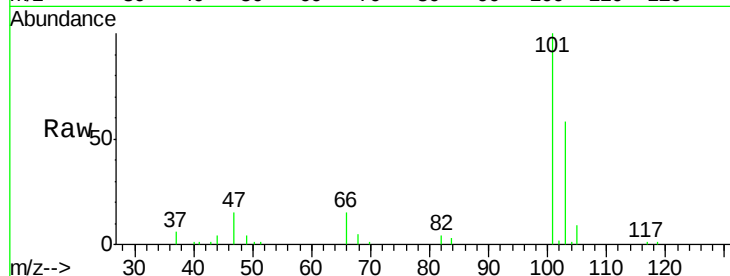
Trichlorofluoromethane
Concen: 4.137 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.9	53.6	80.4

Manual Integrations
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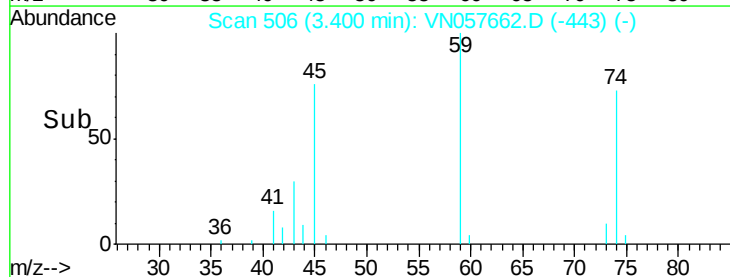
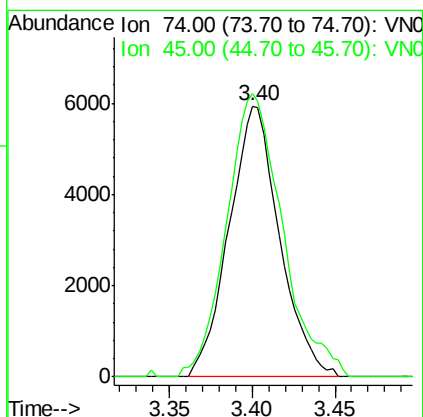
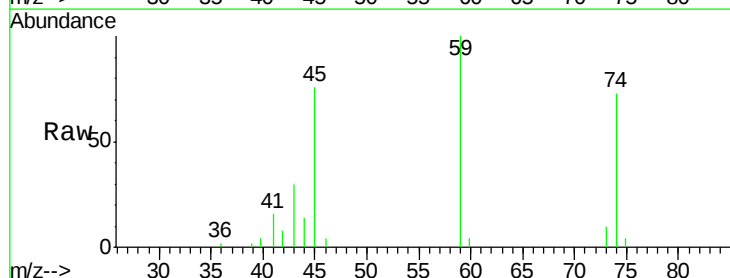
MMDadoda
9/5/2019 3:20:48 PM

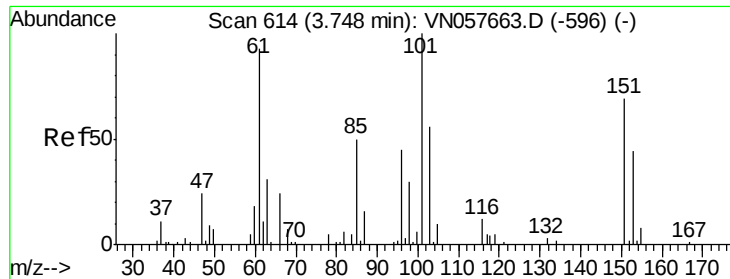


#8

Diethyl Ether
Concen: 4.070 ug/l
RT: 3.40 min Scan# 506
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.3	22.9	205.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.754 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

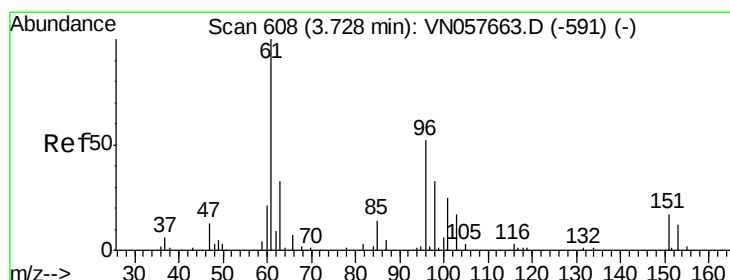
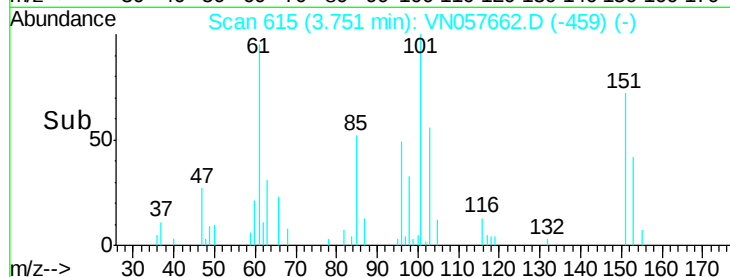
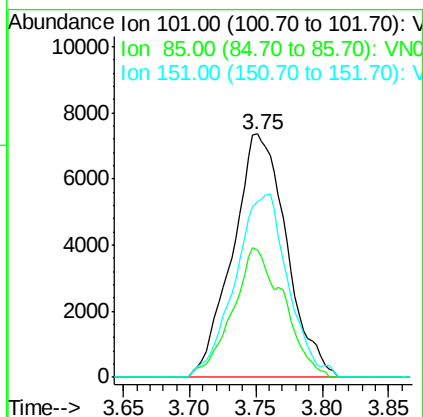
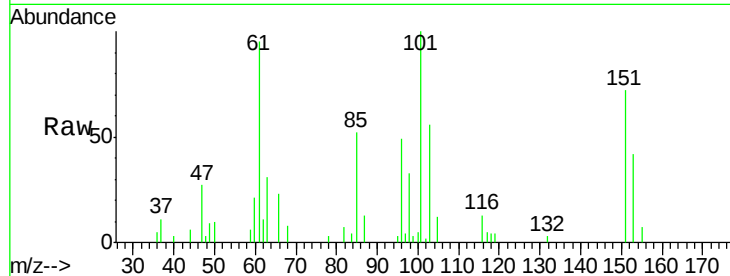
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	20832
Ion Ratio	Lower	Upper	
101	100		
85	37.4	0.0	100.2
151	73.3	0.0	140.6

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#10

1,1-Dichloroethene

Concen: 3.545 ug/l

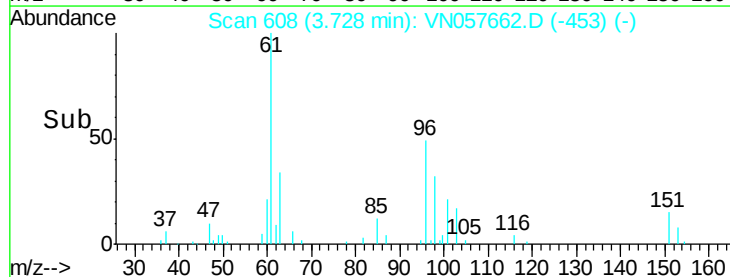
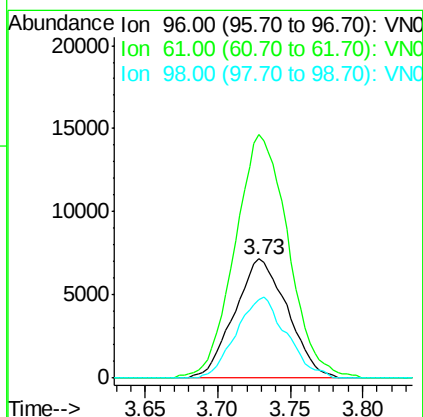
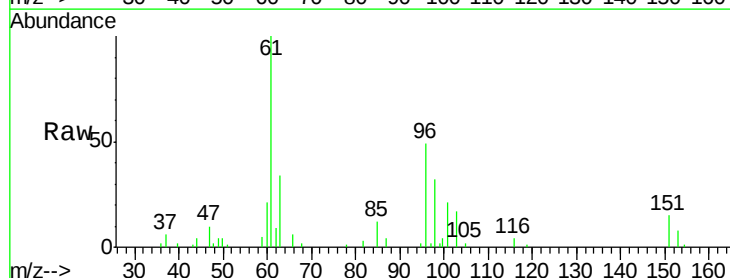
RT: 3.73 min Scan# 608

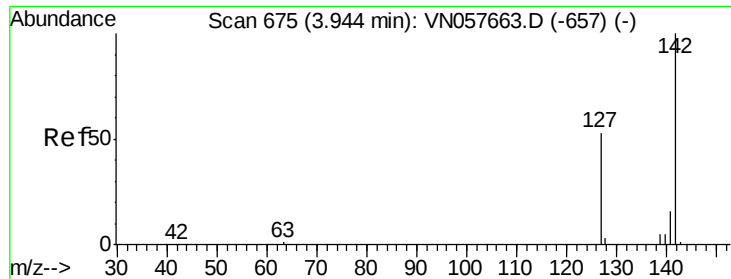
Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion:	96	Resp:	18232
Ion Ratio	Lower	Upper	
96	100		
61	200.5	152.9	229.3
98	65.7	51.0	76.4





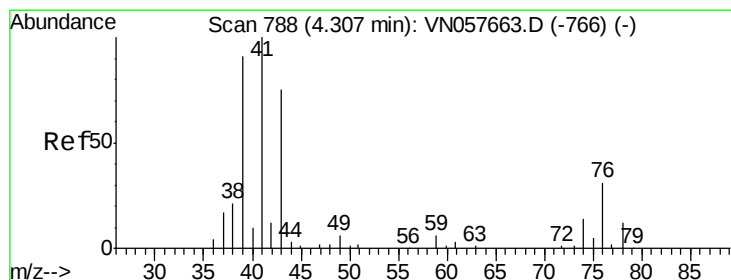
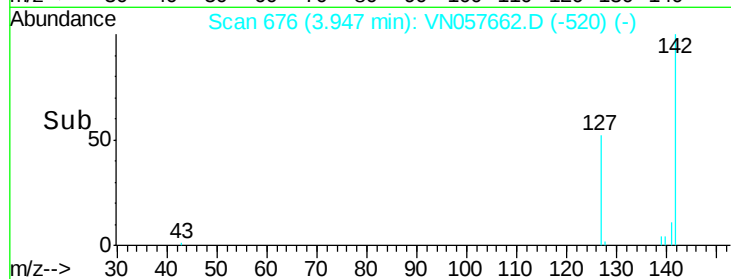
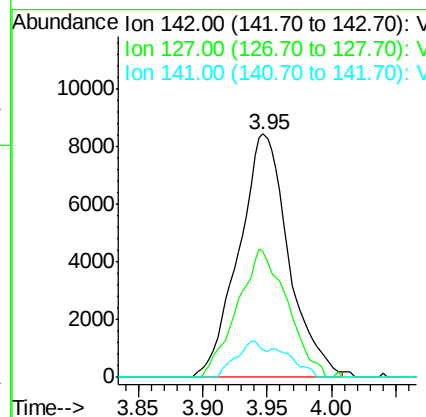
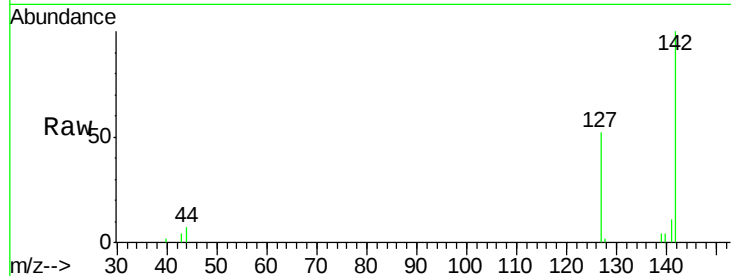
#11
Methyl Iodide
Concen: 2.631 ug/l
RT: 3.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	52.2	26.2	78.5
141	11.3	7.6	22.9

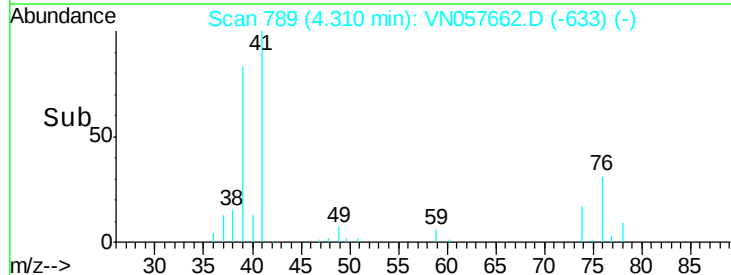
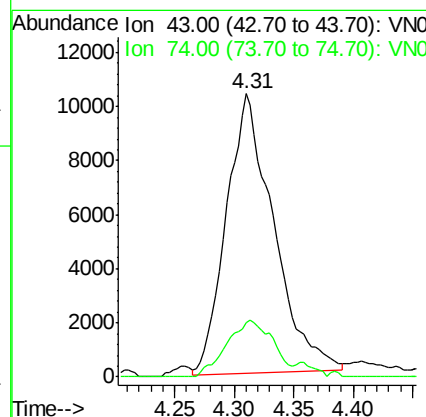
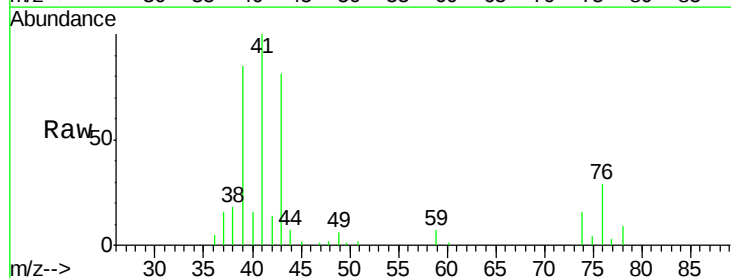
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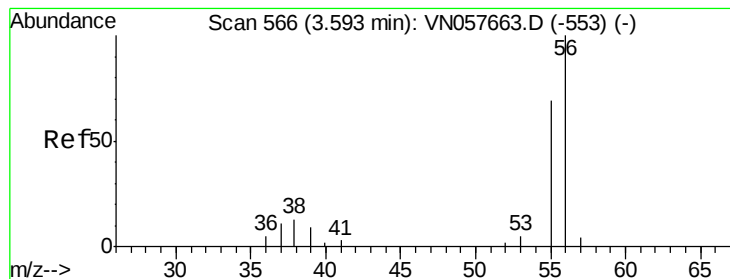
MMDadoda
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#12
Methyl Acetate
Concen: 8.108 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.0	14.6	22.0





#13

Acrolein

Concen: 21.389 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7979

Ion Ratio Lower Upper

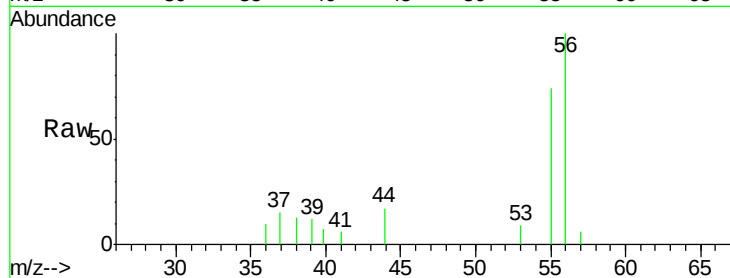
56 100

55 71.2 54.2 81.4

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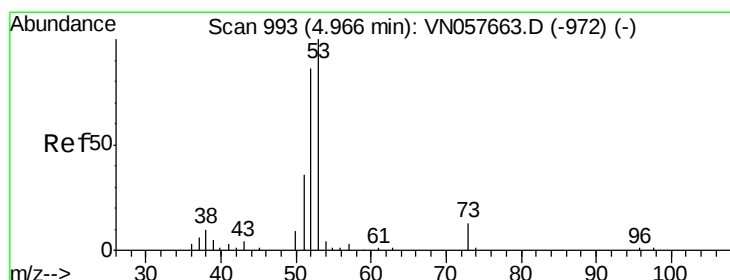
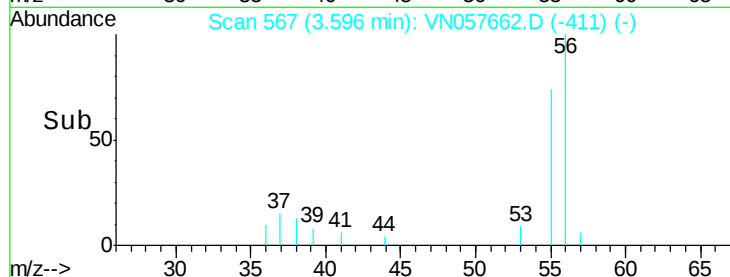
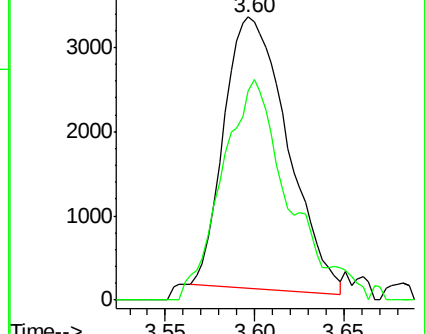
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 36.243 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

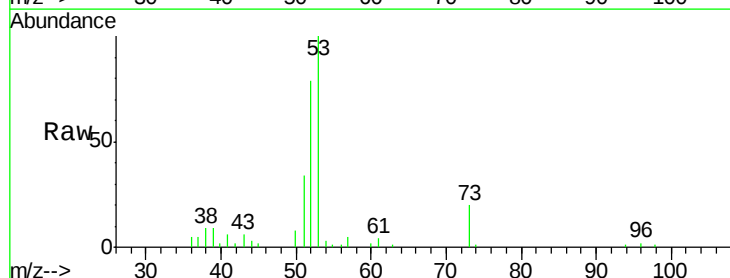
Tgt Ion: 53 Resp: 48188

Ion Ratio Lower Upper

53 100

52 78.4 41.9 125.7

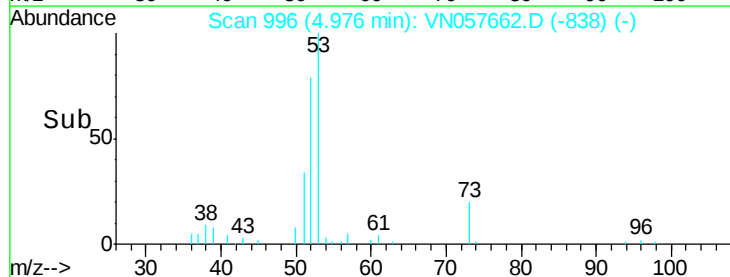
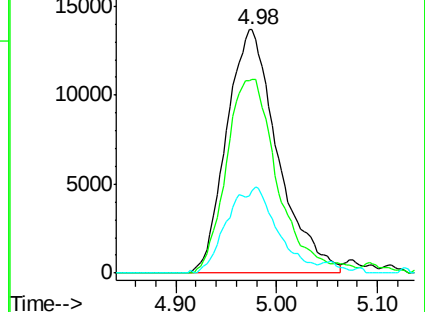
51 14.5 19.4 58.2#

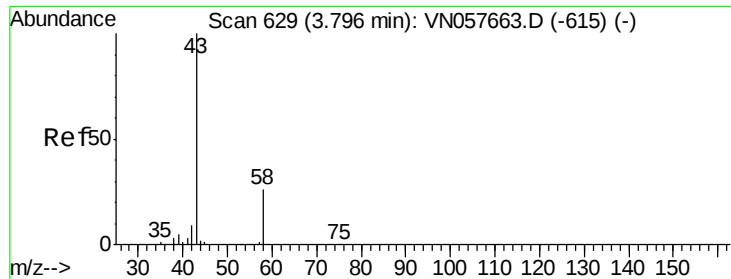


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 24.538 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 58 Resp: 14788

Ion Ratio Lower Upper

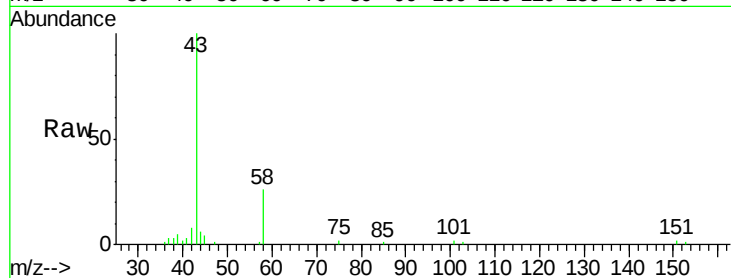
58 100

43 374.7 308.8 463.2

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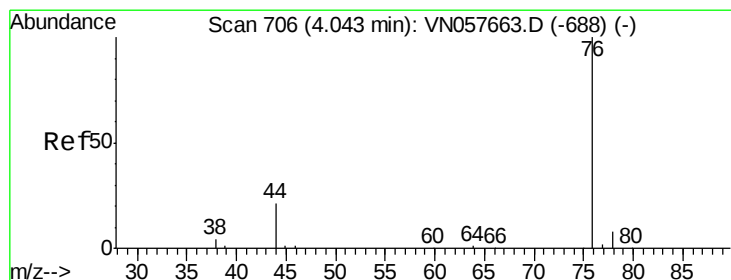
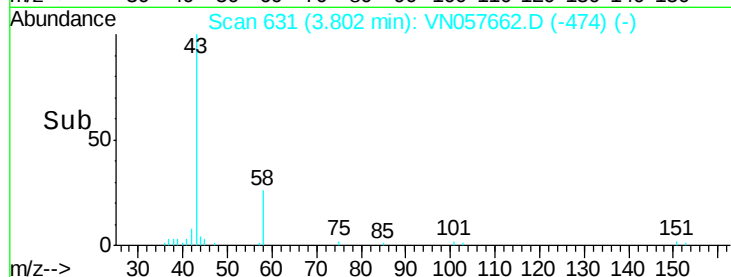
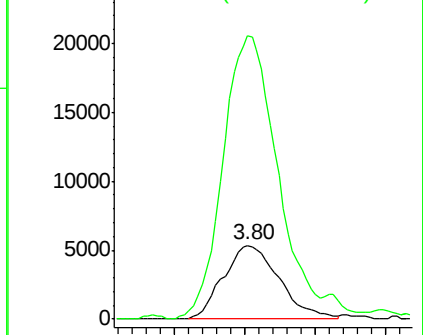
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 6.868 ug/l

RT: 4.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN057662.D

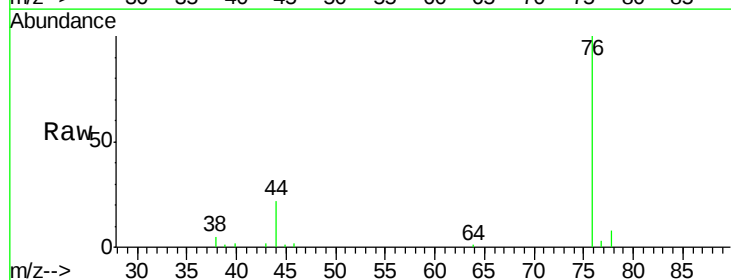
Acq: 3 Sep 2019 14:44

Tgt Ion: 76 Resp: 43845

Ion Ratio Lower Upper

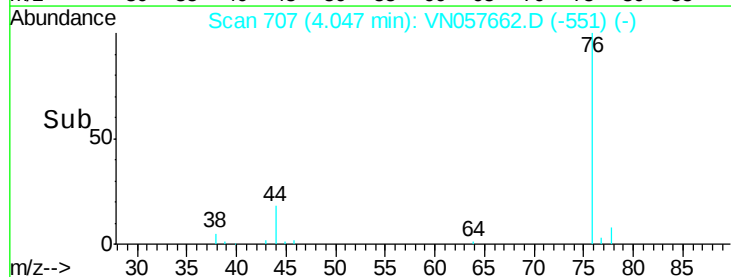
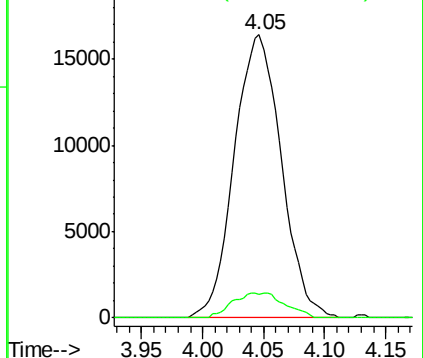
76 100

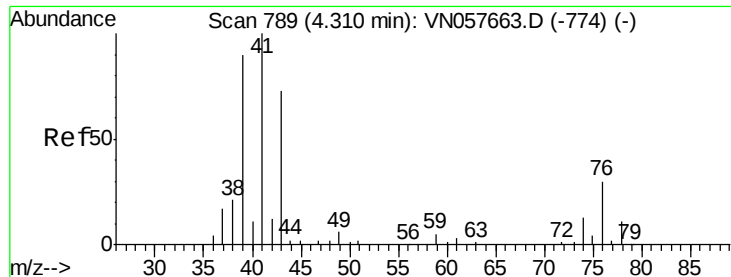
78 8.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 8.252 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

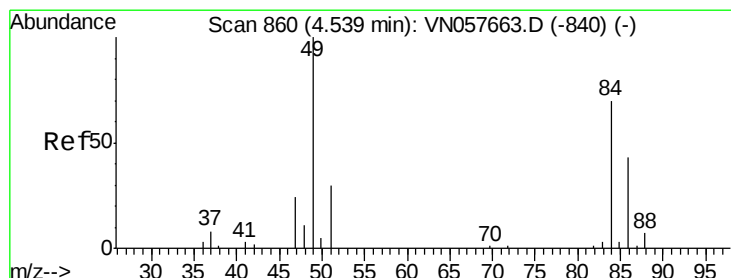
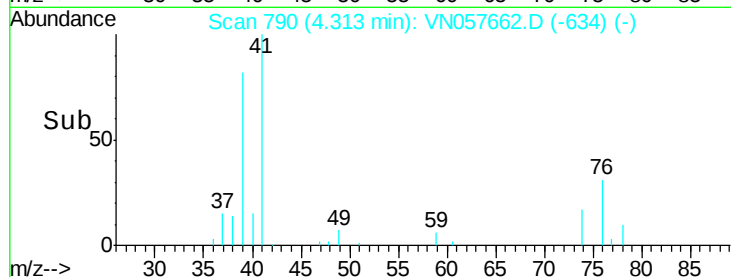
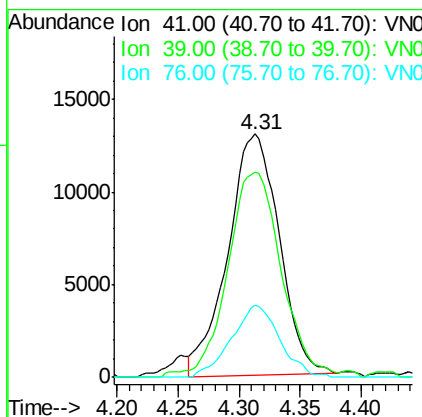
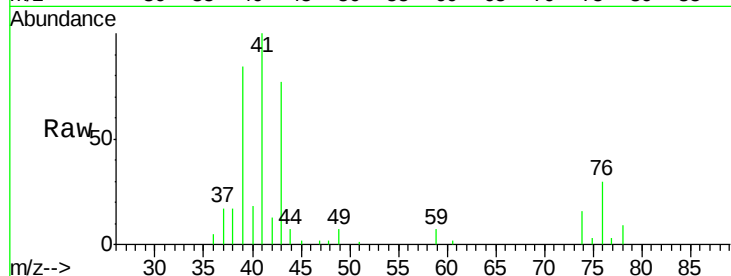
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	37936
Ion	Ratio	Lower	Upper
41	100		
39	83.8	43.0	128.8
76	30.2	14.2	42.8

Manual Integrations
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#18

Methylene Chloride

Concen: 7.366 ug/l m

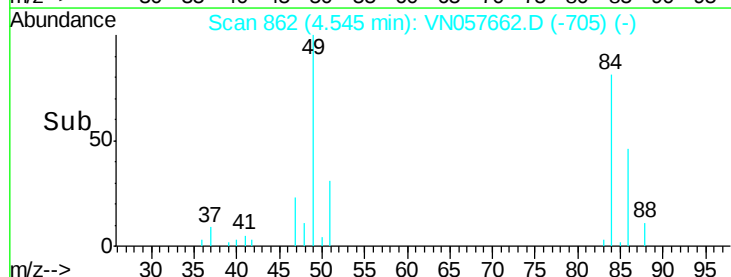
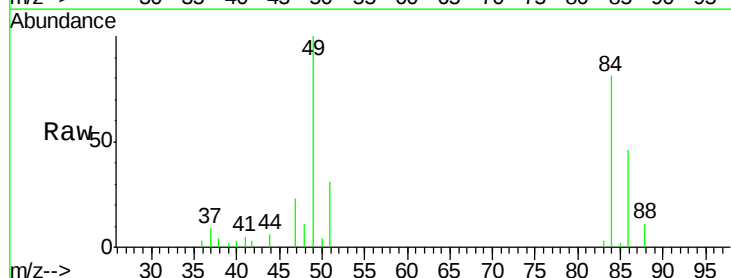
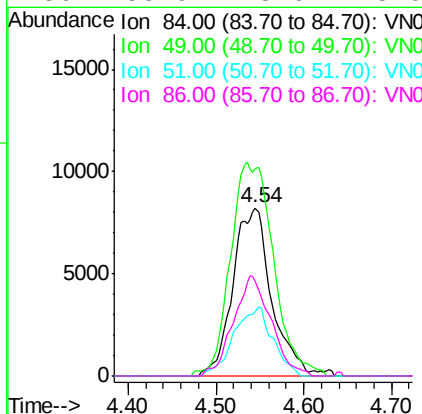
RT: 4.54 min Scan# 862

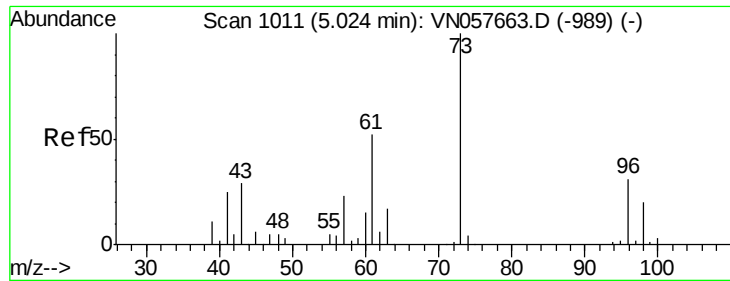
Delta R.T. 0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion:	84	Resp:	25351
Ion	Ratio	Lower	Upper
84	100		
49	122.9	113.7	170.5
51	38.4	34.5	51.7
86	55.9	48.6	73.0





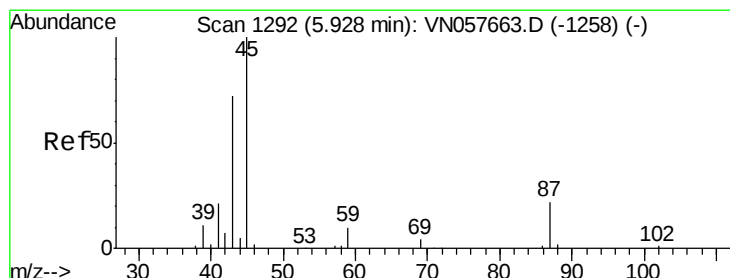
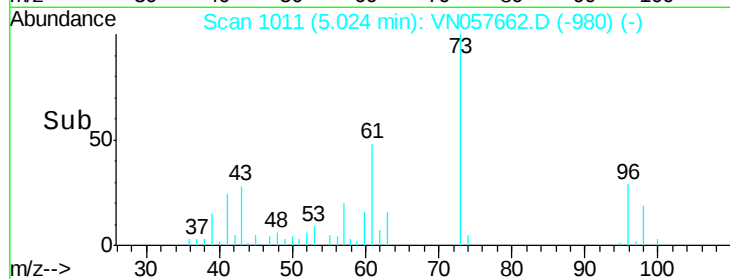
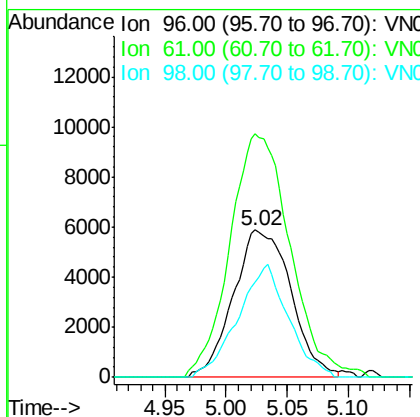
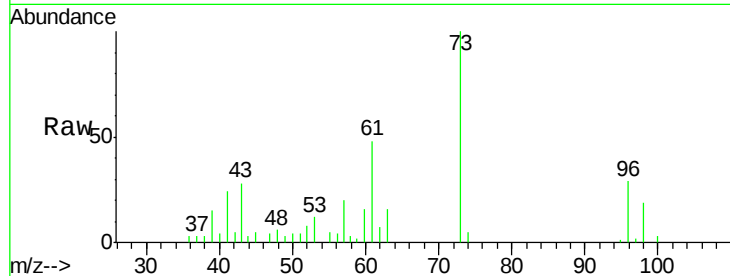
#19
trans-1,2-Dichloroethene
Concen: 5.820 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.8	133.4	200.0
98	64.9	50.4	75.6

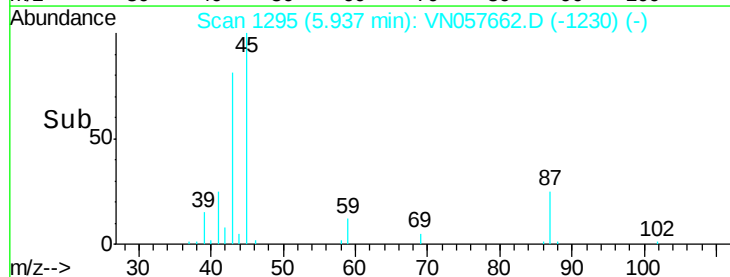
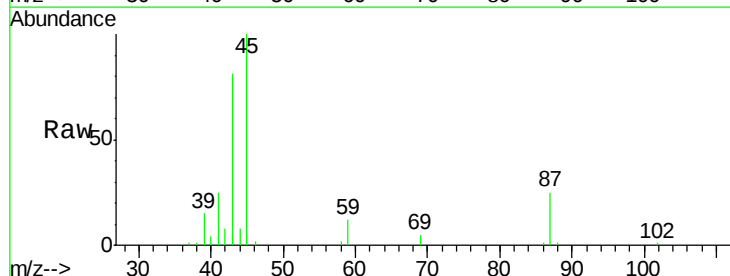
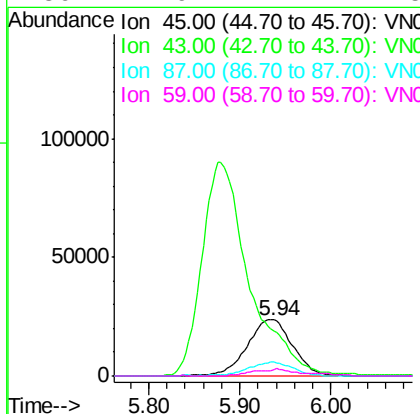
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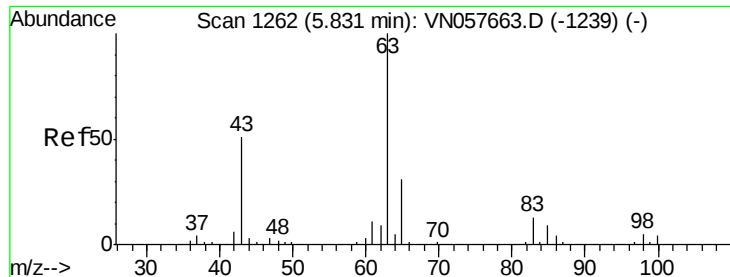
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#20
Diisopropyl ether
Concen: 7.496 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	77.5	58.3	87.5
87	24.8	18.5	27.7
59	11.9	7.7	11.5





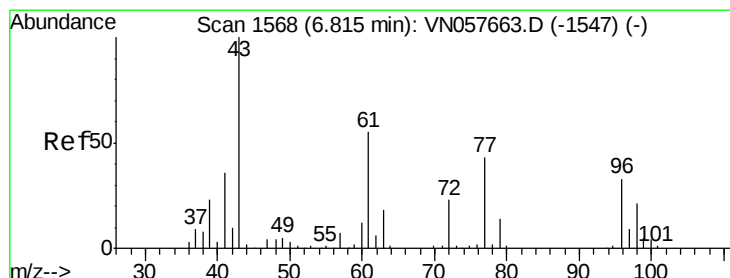
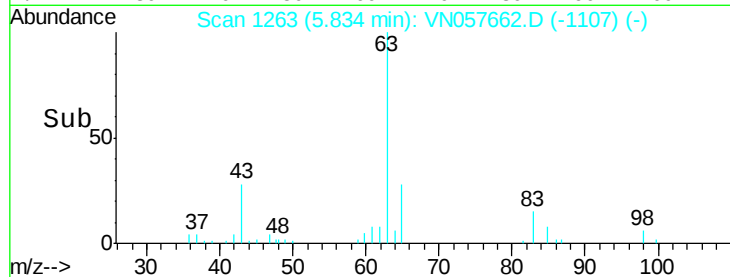
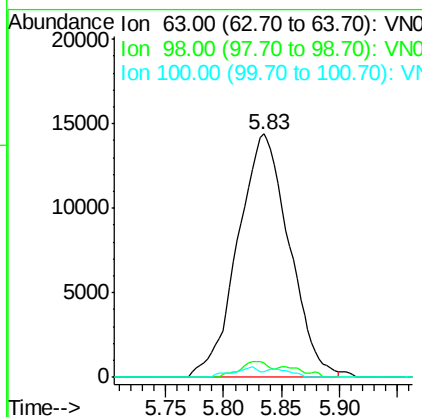
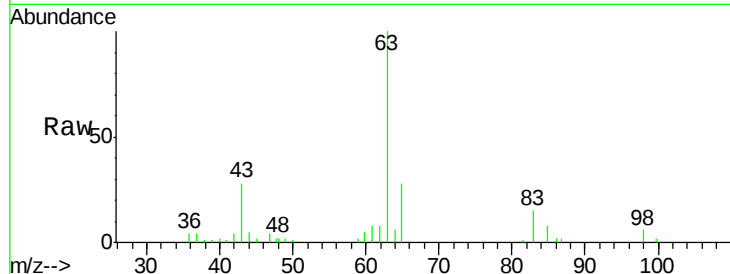
#21
 1,1-Dichloroethane
 Concen: 6.772 ug/l
 RT: 5.83 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	44345
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.6	7.8
100	2.3	1.8	5.5

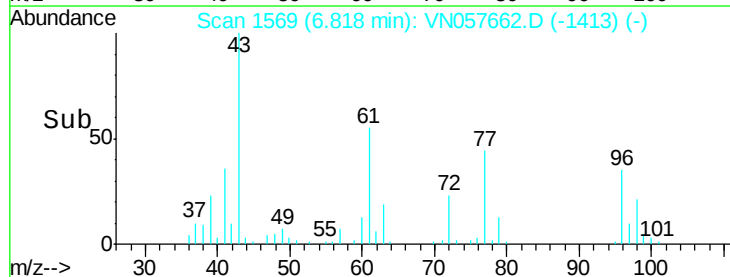
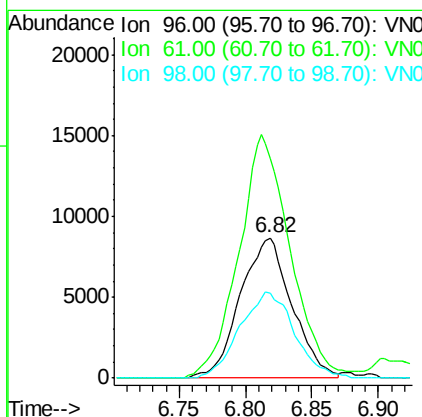
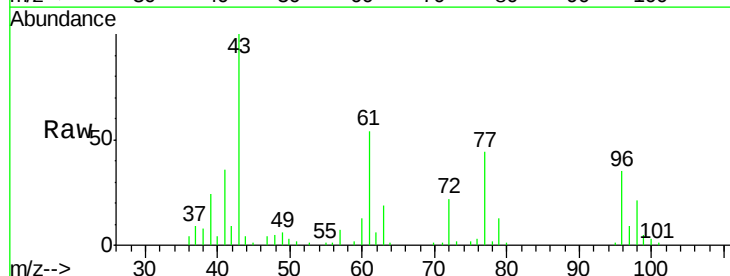
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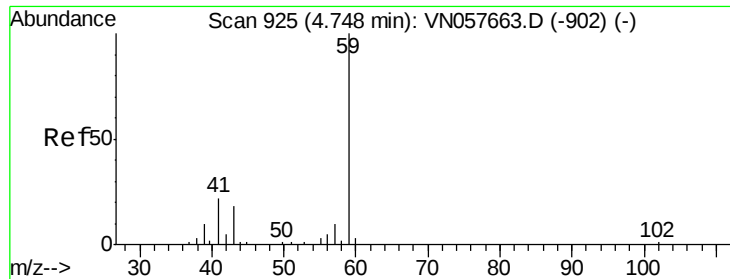
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#22
 cis-1,2-Dichloroethene
 Concen: 5.368 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion:	96	Resp:	23544
Ion	Ratio	Lower	Upper
96	100		
61	171.9	137.2	205.8
98	65.0	50.5	75.7





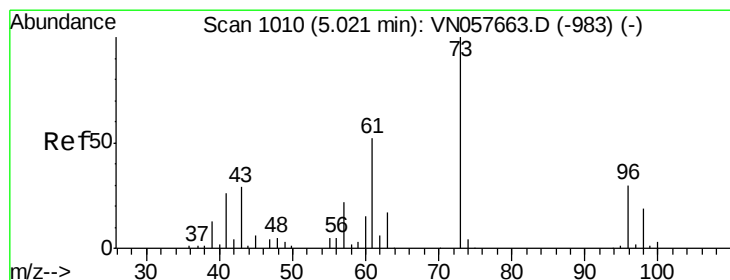
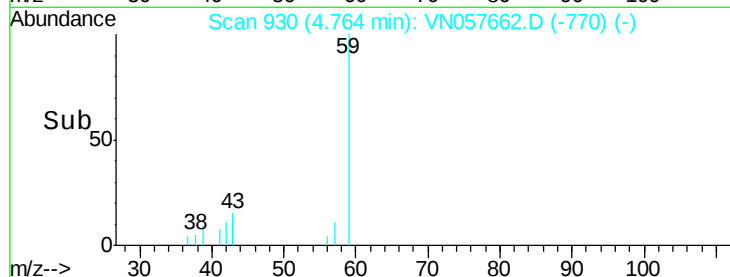
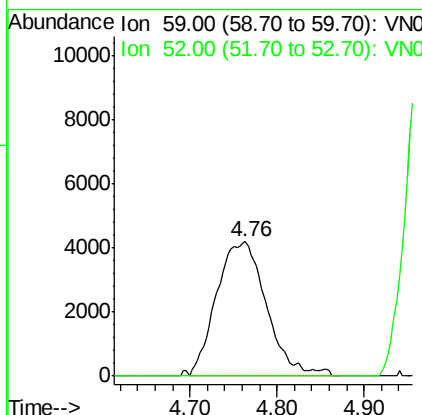
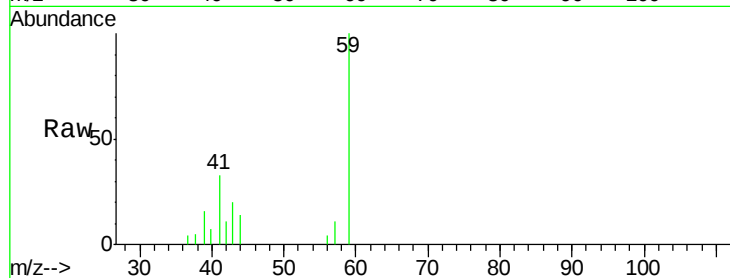
#23
 tert-Butyl Alcohol
 Concen: 34.728 ug/l m
 RT: 4.76 min Scan# 930
 Delta R.T. 0.02 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 59 Resp: 16782
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

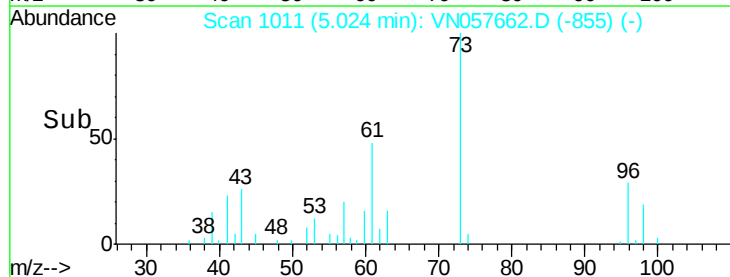
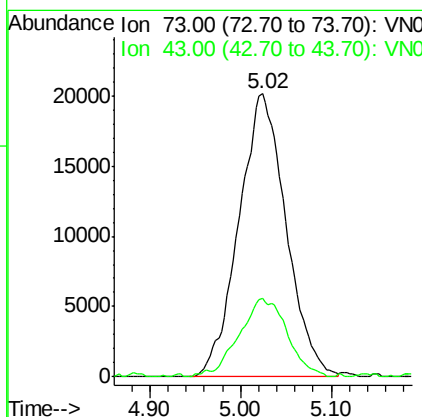
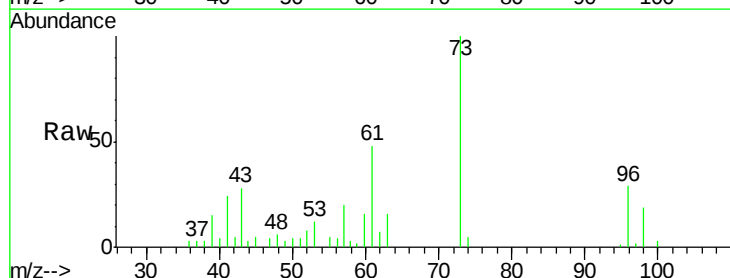
Manual Integrations
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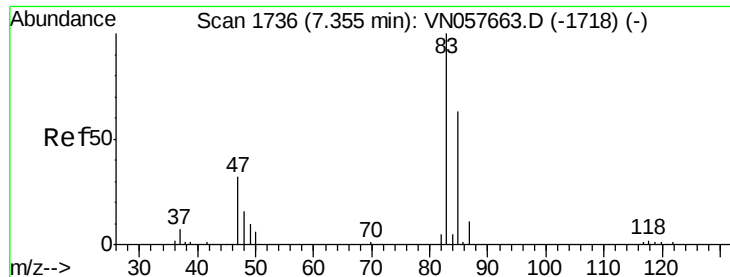
MMDadoda
 9/5/2019 3:20:48 PM



#24
 Methyl tert-Butyl Ether
 Concen: 6.577 ug/l m
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 73 Resp: 72889
 Ion Ratio Lower Upper
 73 100
 43 0.1 23.2 34.8#





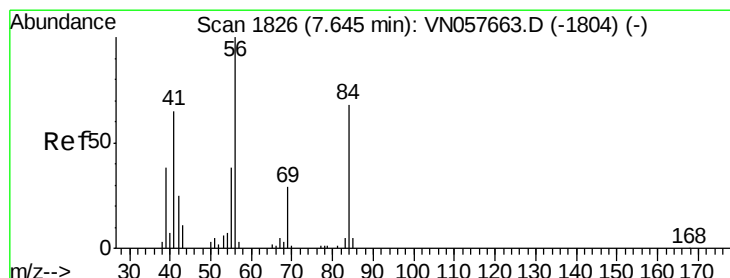
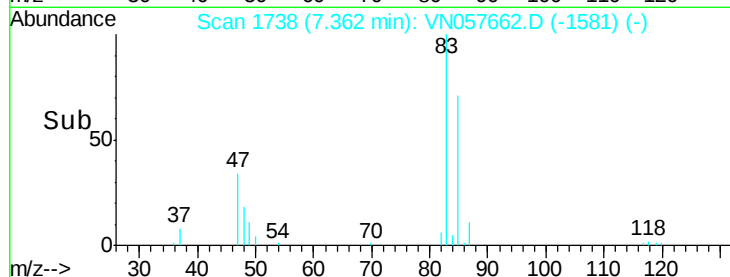
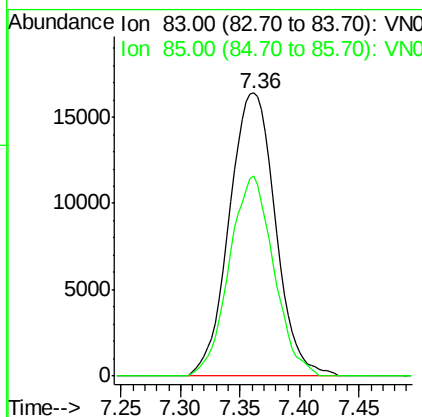
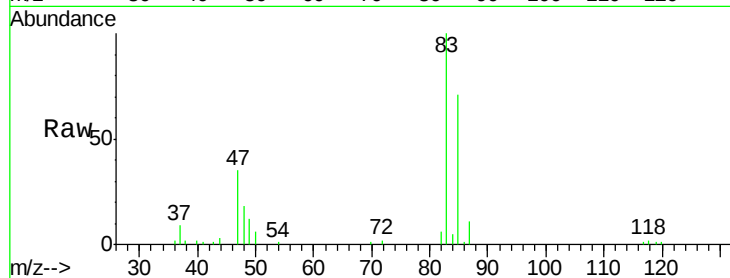
#25
Chloroform
Concen: 5.734 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	44079
Ion	Ratio	Lower	Upper
83	100		
85	70.6	50.8	76.2

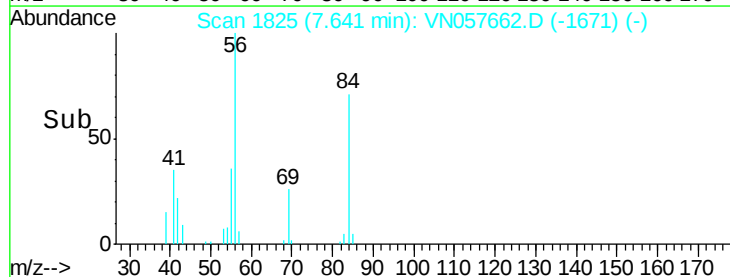
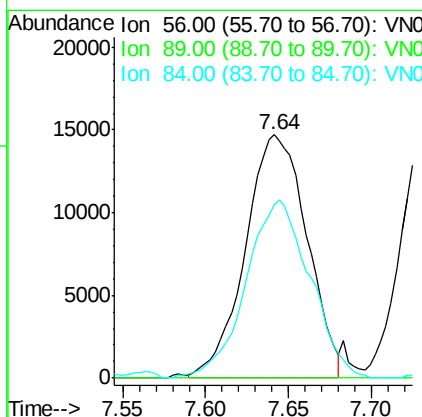
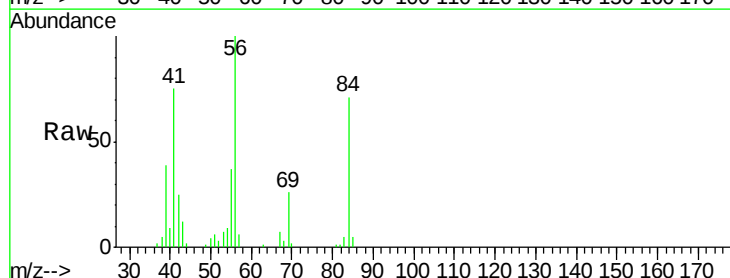
Manual Integrations
APPROVED

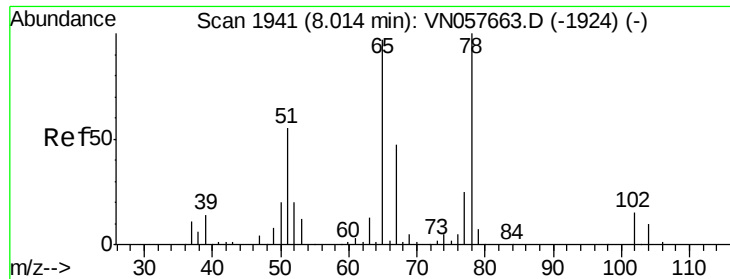
MMDadoda
9/5/2019 3:20:48 PM



#26
Cyclohexane
Concen: 6.962 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	56	Resp	38046
Ion	Ratio	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	75.9	60.4	90.6





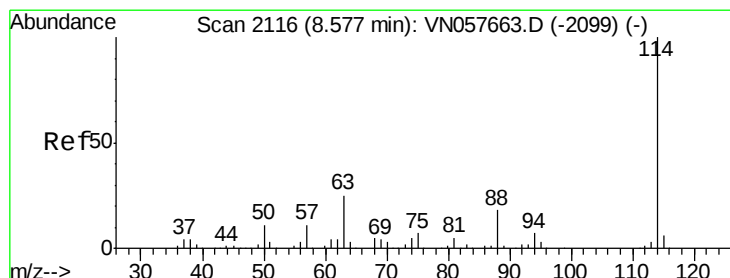
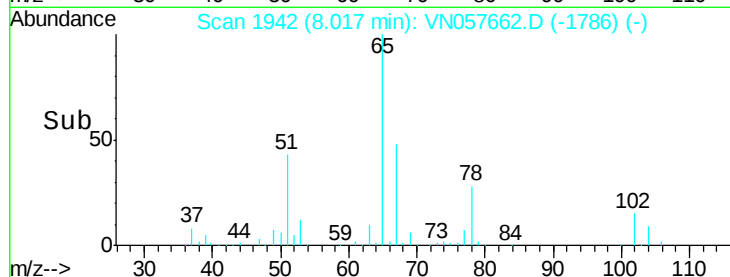
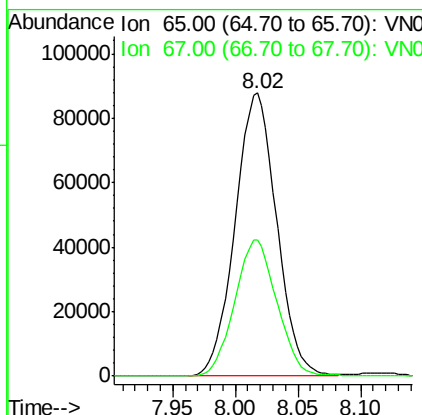
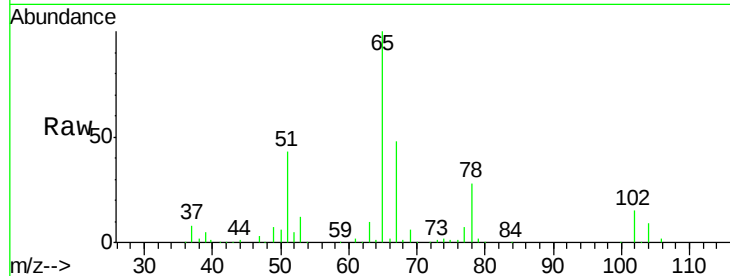
#27
 1,2-Dichloroethane-d4
 Concen: 38.283 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 202291
 Ion Ratio Lower Upper
 65 100
 67 48.4 38.6 57.8

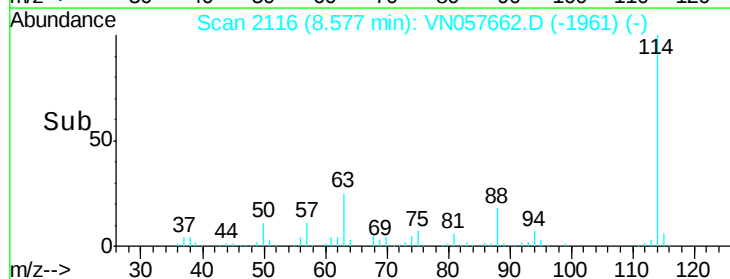
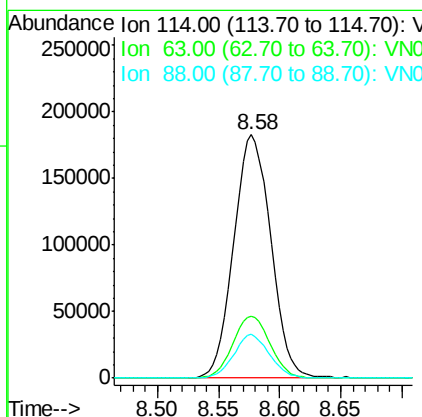
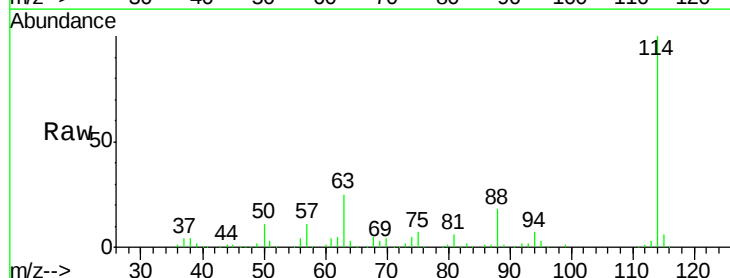
Manual Integrations
 APPROVED

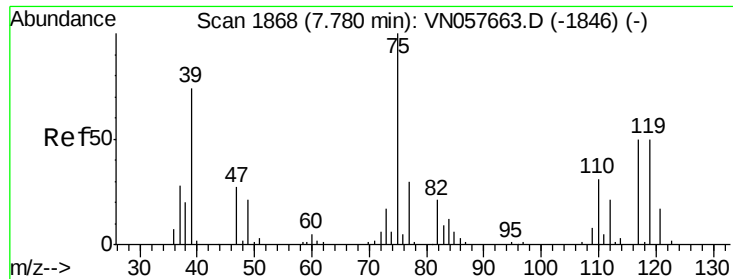
MMDadoda
 9/5/2019 3:20:48 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 114 Resp: 385734
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.6 30.8
 88 17.2 14.3 21.5





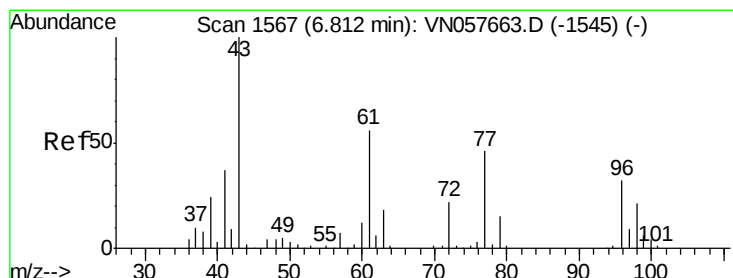
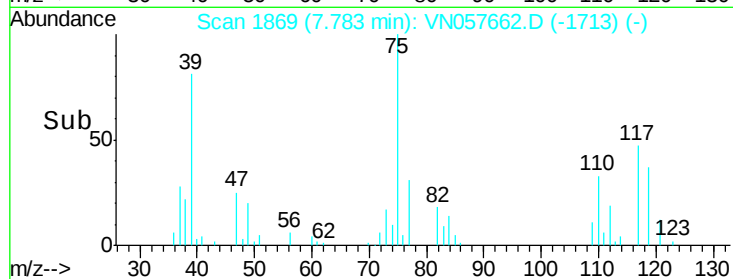
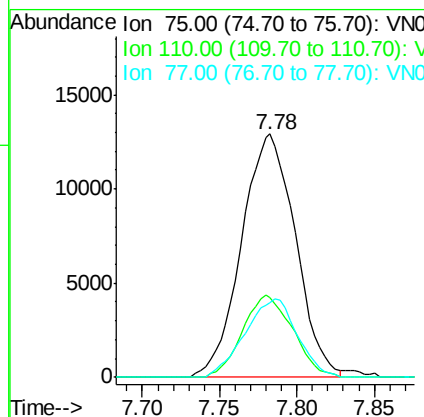
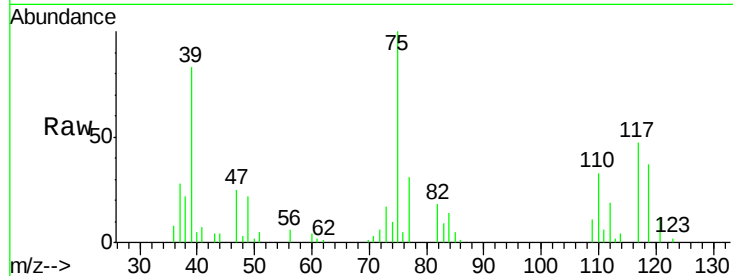
#29
 1,1-Dichloropropene
 Concen: 5.832 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.6	0.0	62.8
77	31.3	0.0	57.8

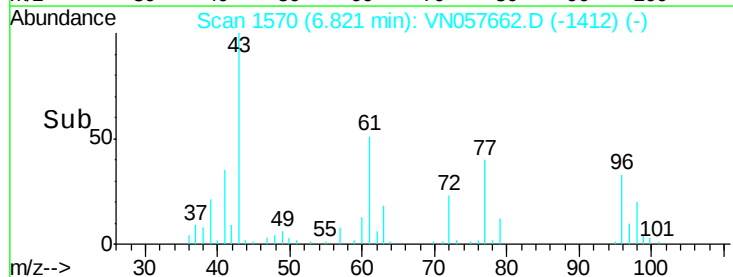
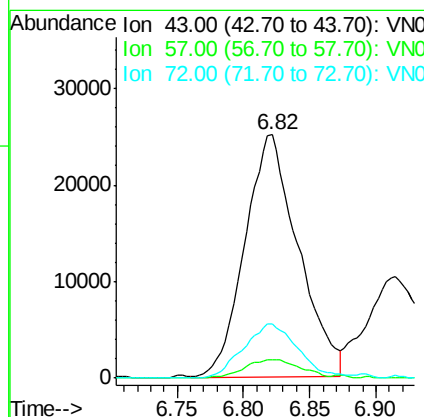
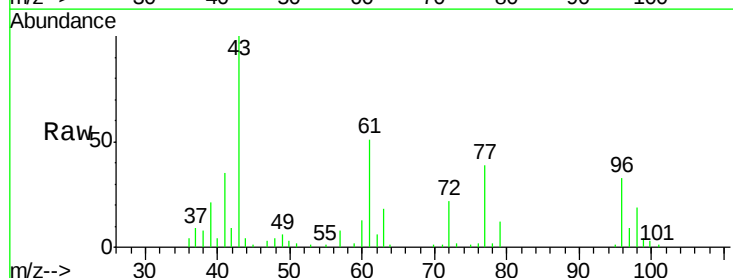
Manual Integrations
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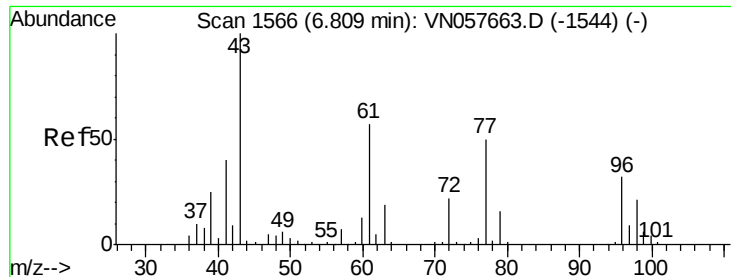
MMDadoda
 9/5/2019 3:20:48 PM



#30
 2-Butanone
 Concen: 37.423 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
43	100		
57	6.9	2.6	3.8#
72	22.9	18.1	27.1





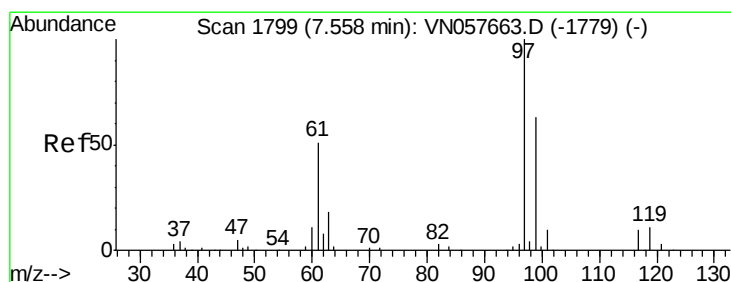
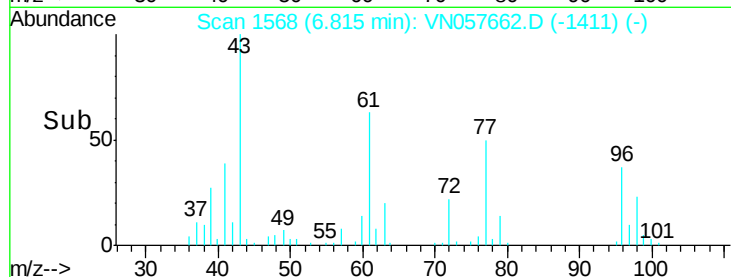
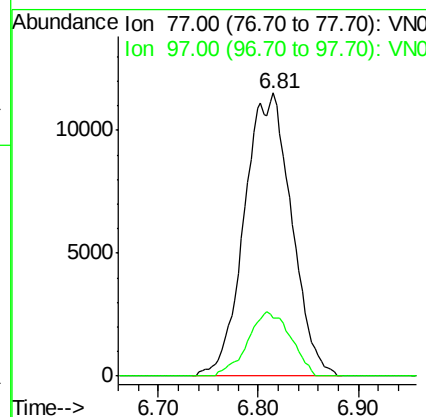
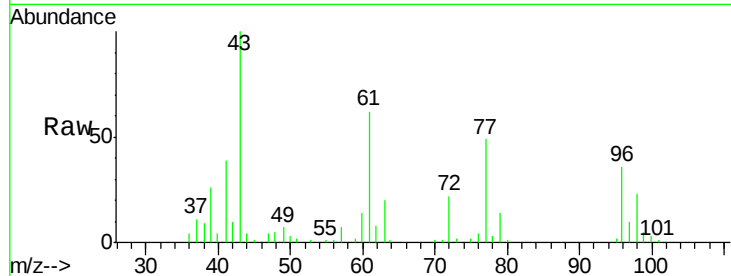
#31
 2,2-Dichloropropane
 Concen: 5.885 ug/l m
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 77 Resp: 37796
 Ion Ratio Lower Upper
 77 100
 97 13.8 8.8 13.2#

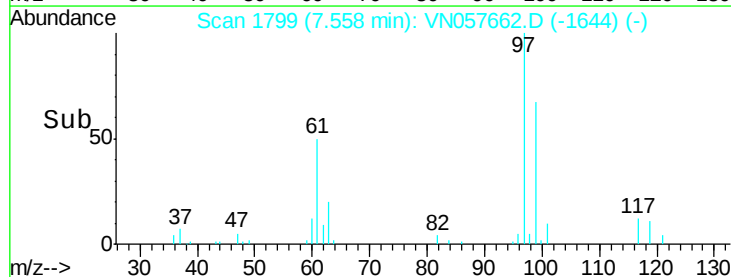
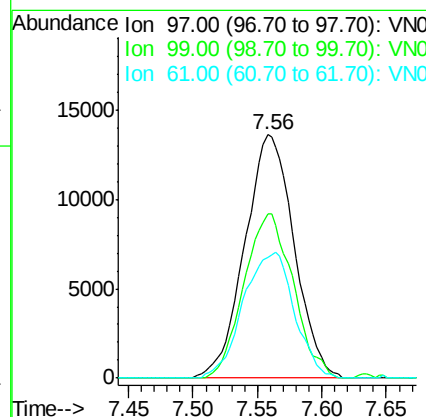
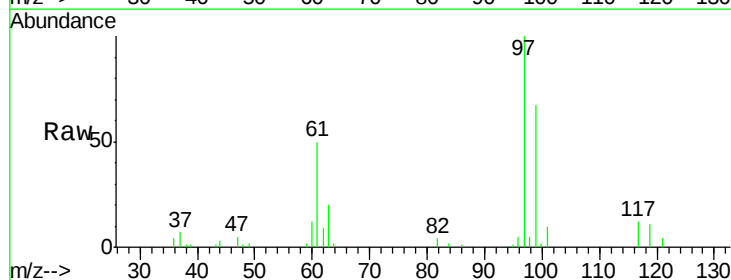
Manual Integrations
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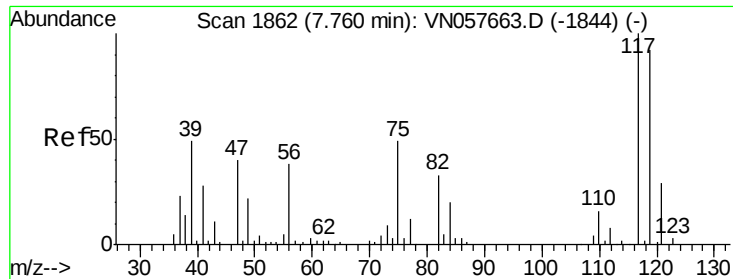
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 5.156 ug/l
 RT: 7.56 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 97 Resp: 36271
 Ion Ratio Lower Upper
 97 100
 99 67.2 51.9 77.9
 61 53.5 41.4 62.0





#33

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 7.76 min Scan# 1863

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:117 Resp: 29276

Ion Ratio Lower Upper

117 100

119 91.3 73.3 109.9

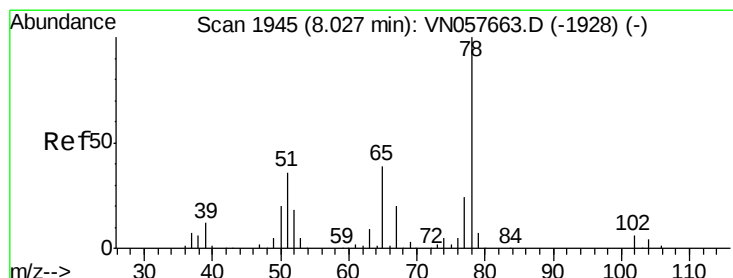
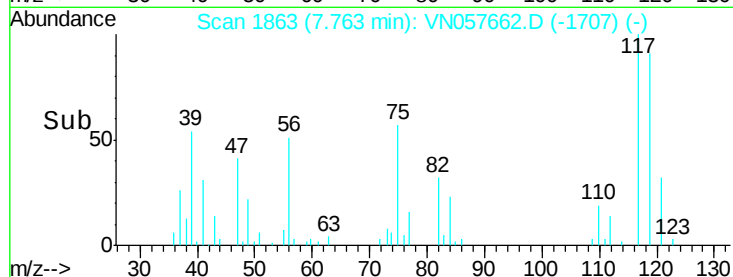
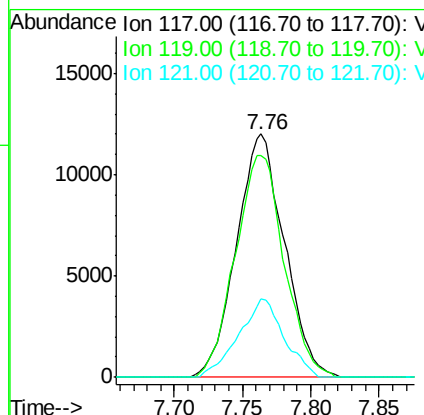
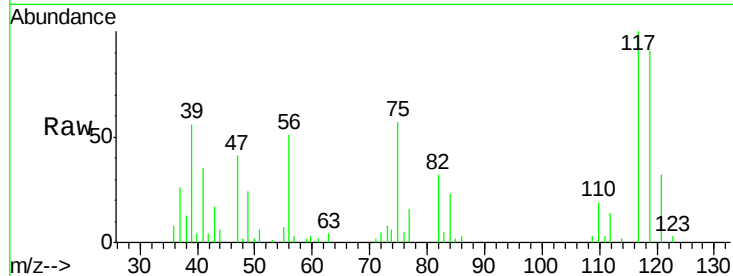
121 32.2 23.3 34.9

Manual Integrations

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#34

Benzene

Concen: 5.682 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

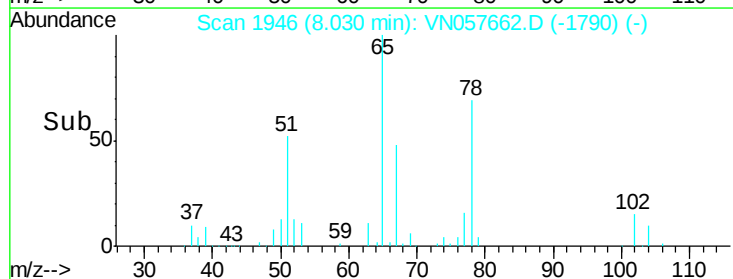
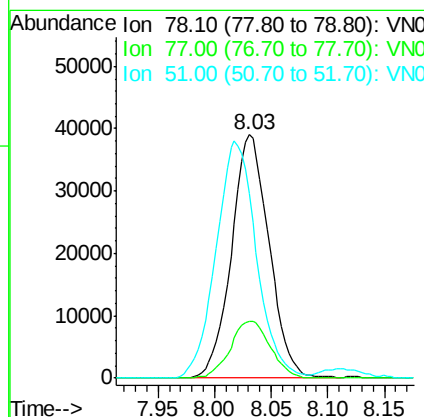
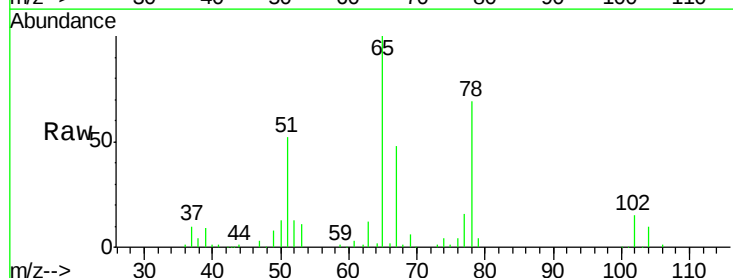
Tgt Ion: 78 Resp: 90380

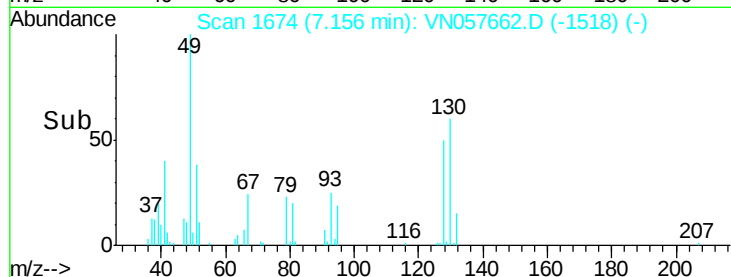
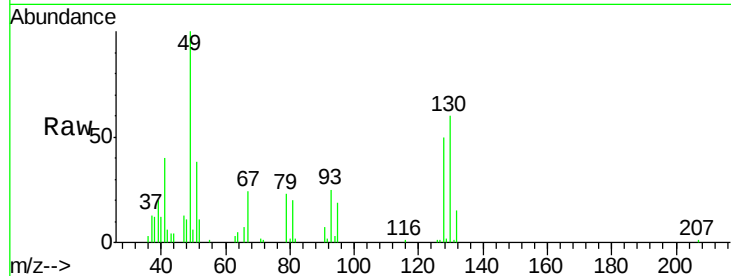
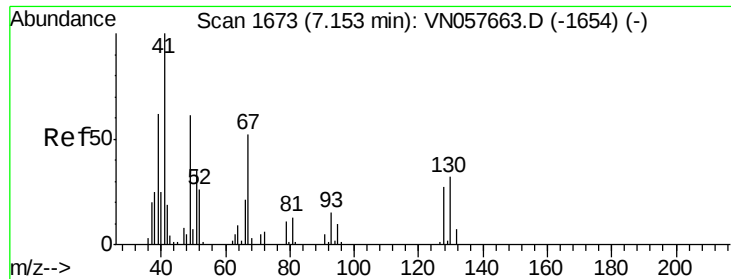
Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2

51 72.0 29.0 43.6#





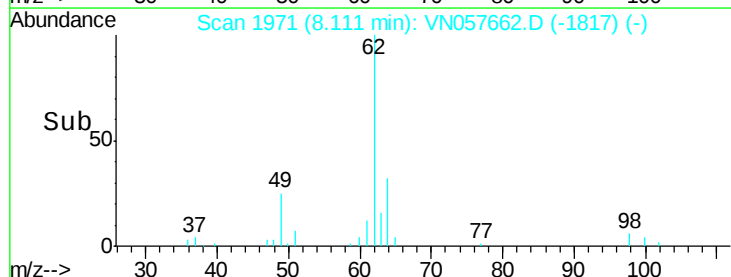
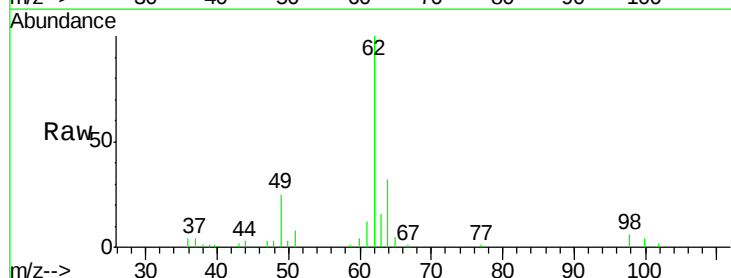
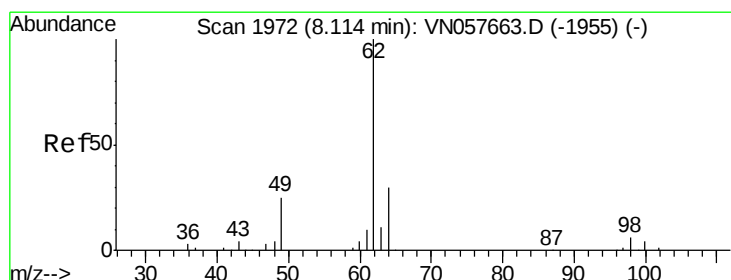
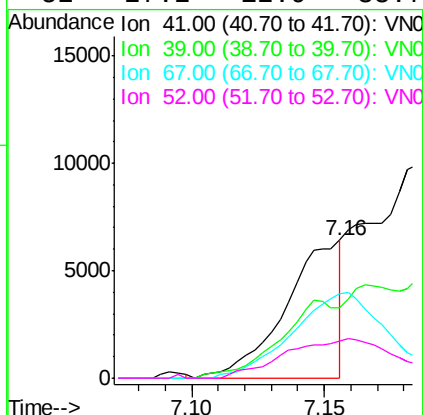
#35
Methacrylonitrile
Concen: 5.203 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.1	31.0	93.0
67	61.0	25.9	77.7
52	27.2	12.9	38.7

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

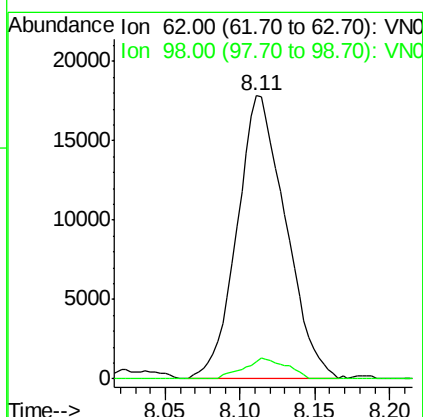
Manual Integrations
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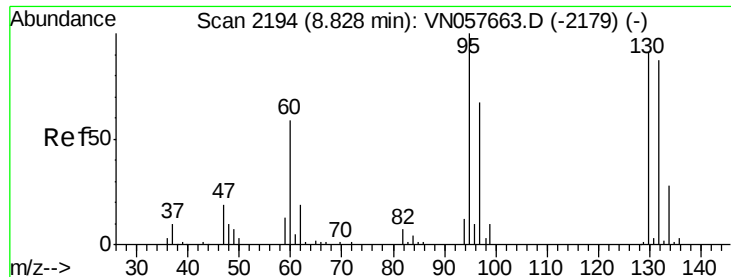
MMDadoda
9/5/2019 3:20:48 PM



#36
1,2-Dichloroethane
Concen: 6.662 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	0.0#





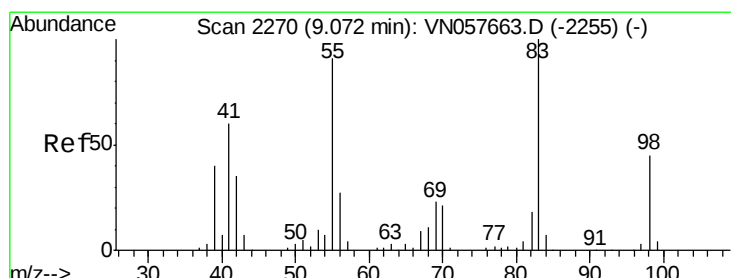
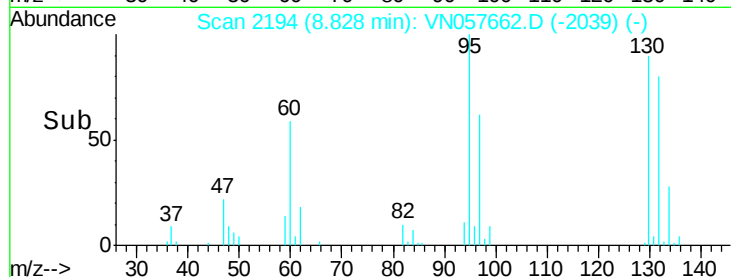
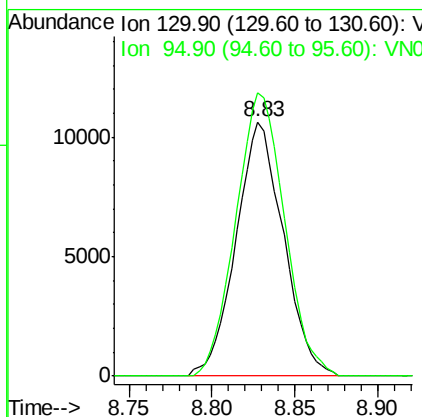
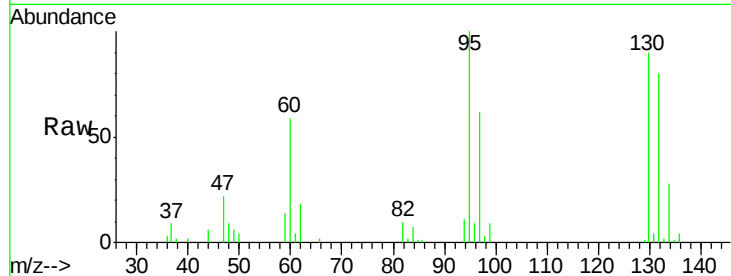
#37
 Trichloroethene
 Concen: 4.769 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion:130 Resp: 21122
 Ion Ratio Lower Upper
 130 100
 95 111.3 87.5 131.3

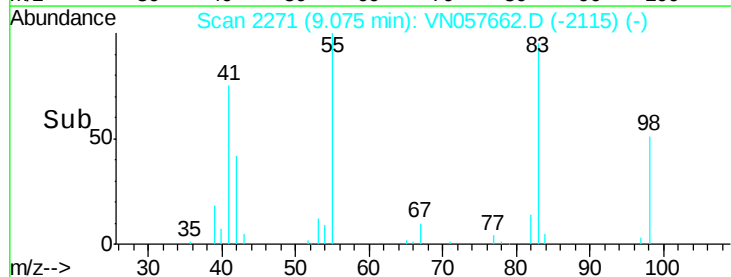
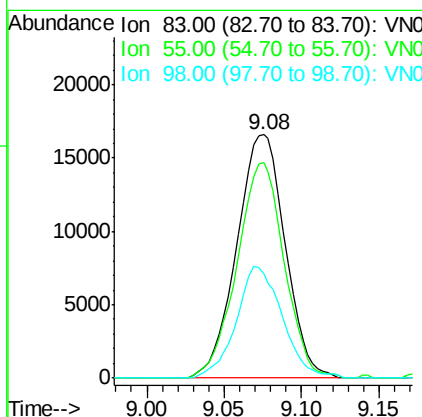
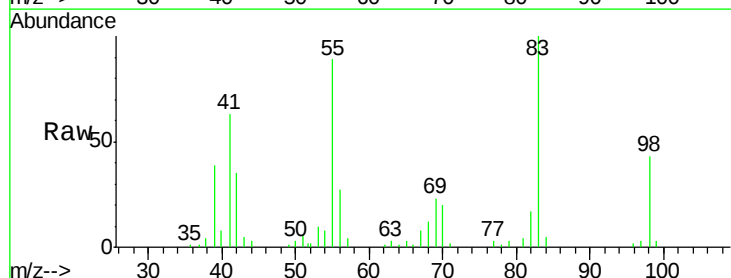
Manual Integrations
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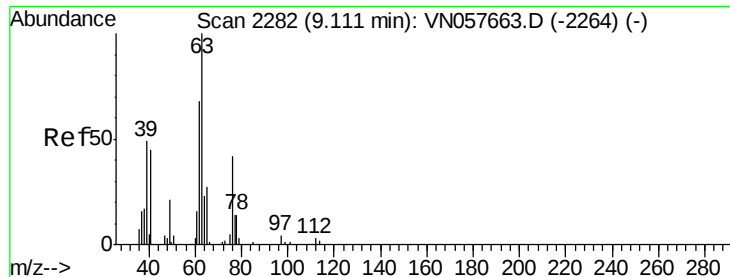
MMDadoda
 9/5/2019 3:20:48 PM



#38
 Methylcyclohexane
 Concen: 5.685 ug/l
 RT: 9.08 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion: 83 Resp: 36137
 Ion Ratio Lower Upper
 83 100
 55 86.4 45.1 135.3
 98 43.7 22.5 67.5





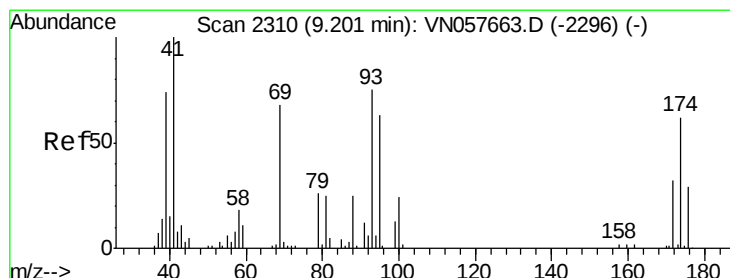
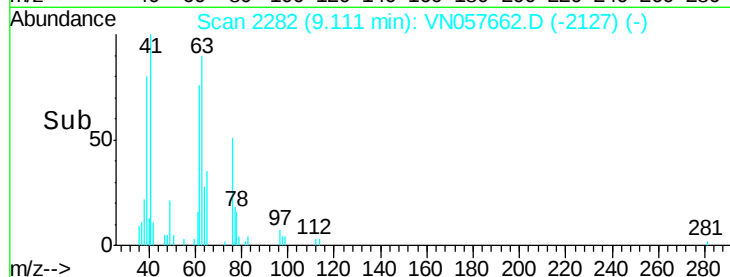
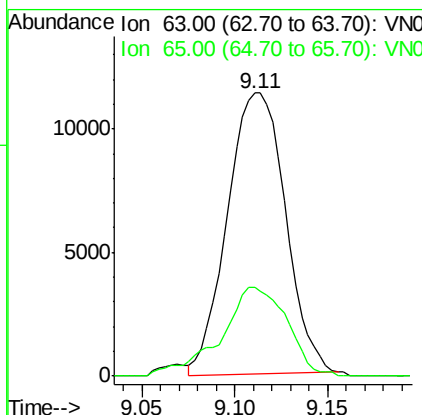
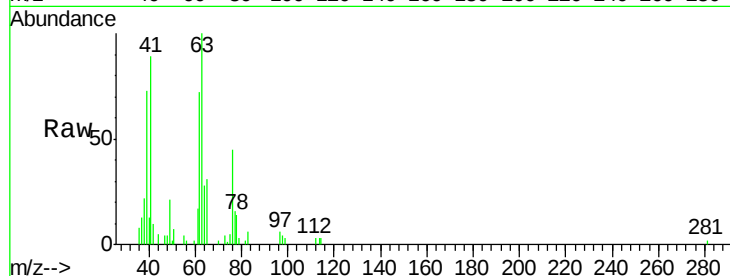
#39
 1,2-Dichloropropane
 Concen: 6.176 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	63	Resp	24723
Ion Ratio	Lower	Upper	
63	100		
65	31.9	22.2	33.2

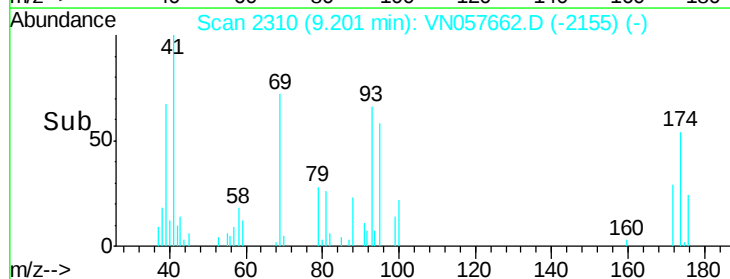
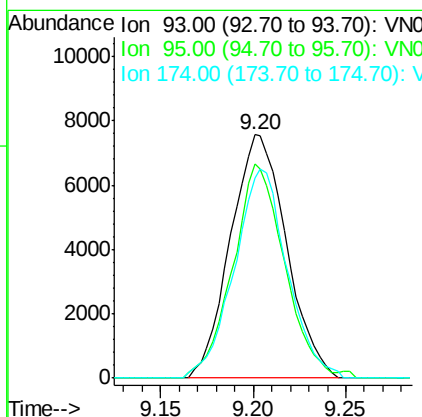
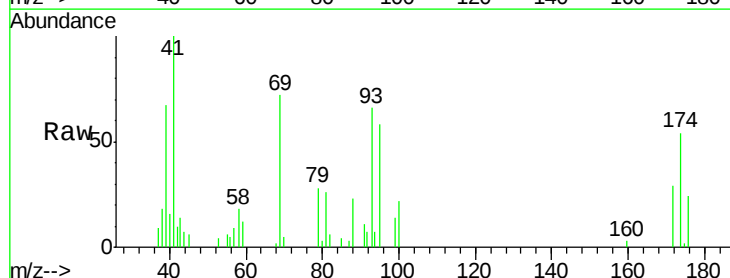
Manual Integrations
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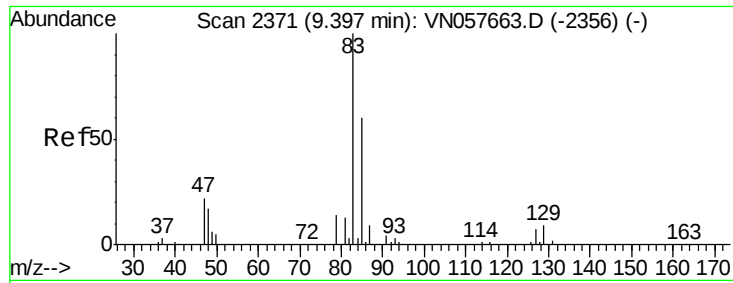
MMDadoda
 9/5/2019 3:20:48 PM



#40
 Dibromomethane
 Concen: 5.372 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	93	Resp	15824
Ion Ratio	Lower	Upper	
93	100		
95	81.4	0.0	168.2
174	81.5	0.0	169.2





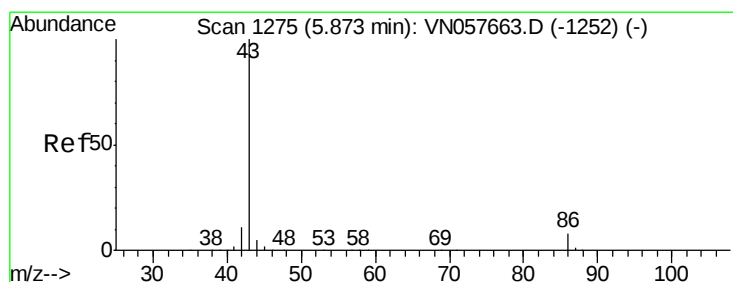
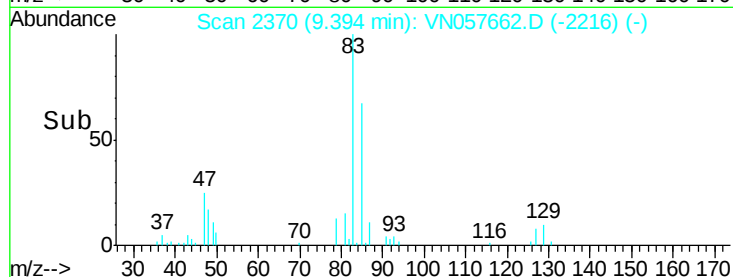
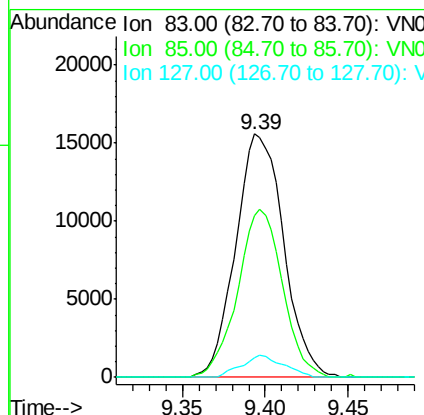
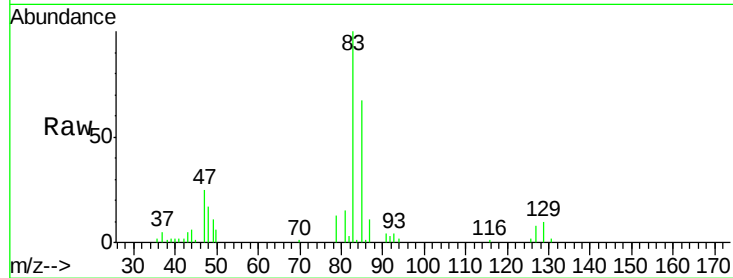
#41
 Bromodichloromethane
 Concen: 5.148 ug/l
 RT: 9.39 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	31352
Ion Ratio	Lower	Upper	
83	100		
85	66.6	48.2	72.4
127	7.9	5.3	7.9#

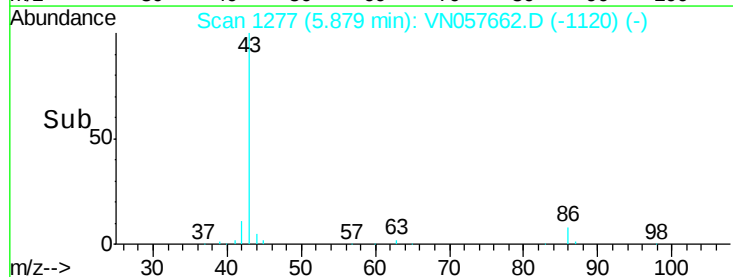
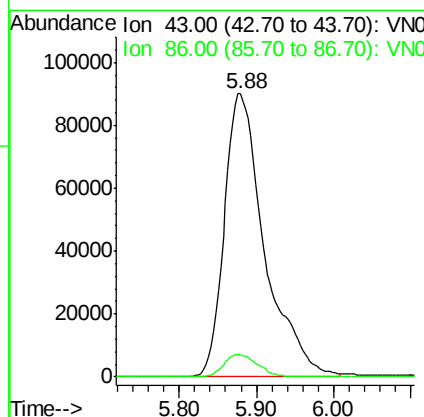
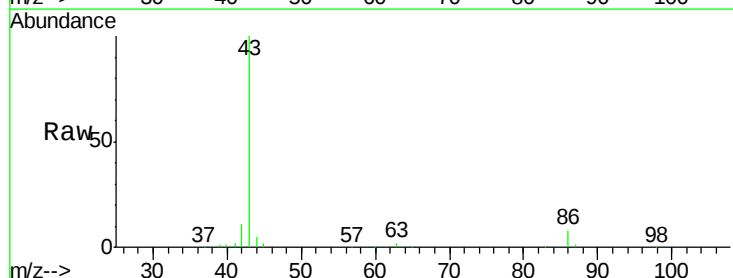
Manual Integrations
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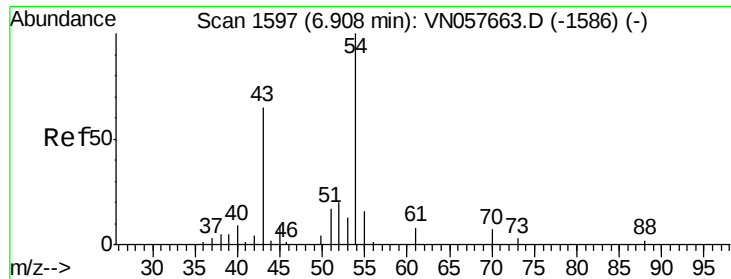
MMDadoda
 9/5/2019 3:20:48 PM



#42
 Vinyl Acetate
 Concen: 38.028 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	43	Resp	322025
Ion Ratio	Lower	Upper	
43	100		
86	6.7	5.4	8.2





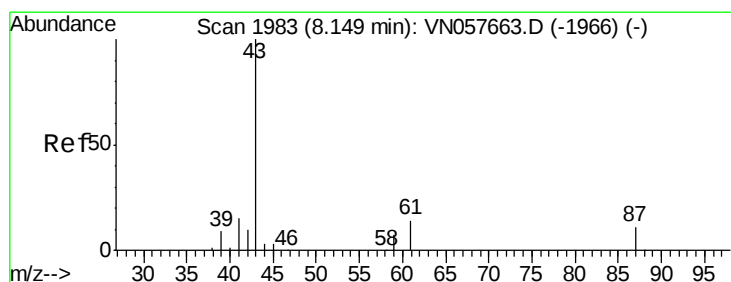
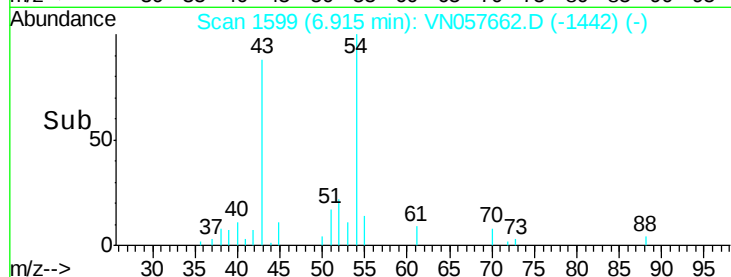
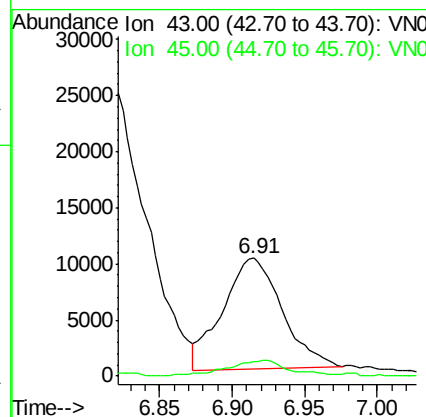
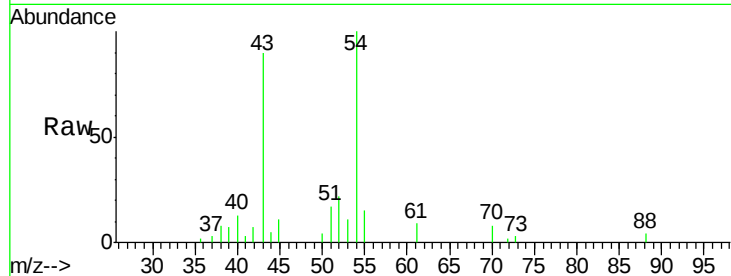
#43
Ethyl Acetate
Concen: 7.696 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 43 Resp: 28209
Ion Ratio Lower Upper
43 100
45 11.7 5.0 7.6#

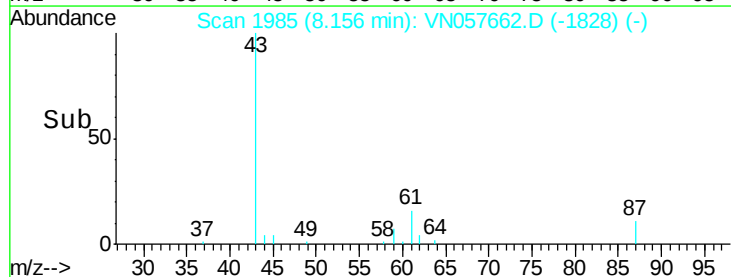
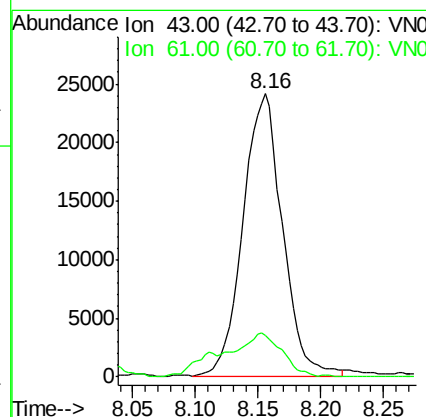
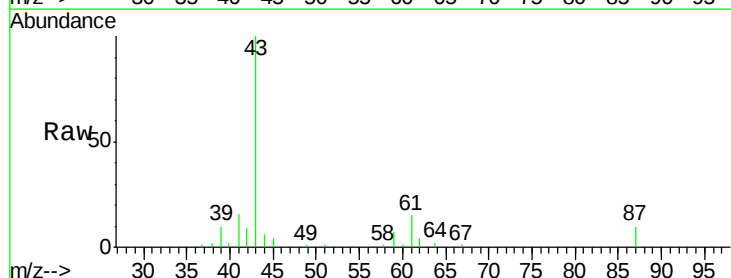
Manual Integrations
APPROVED

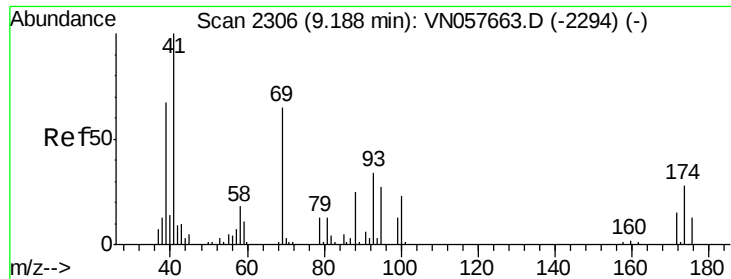
MMDadoda
9/5/2019 3:20:48 PM



#44
Isopropyl Acetate
Concen: 7.296 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.01 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 43 Resp: 53299
Ion Ratio Lower Upper
43 100
61 11.4 12.6 18.8#





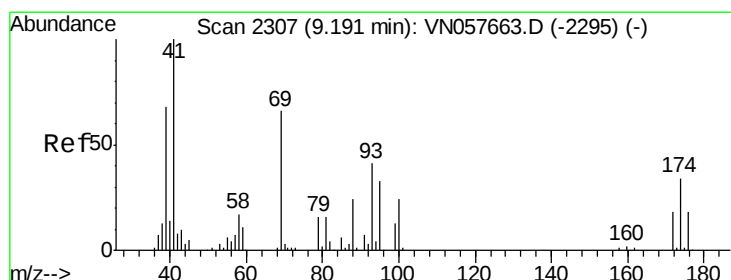
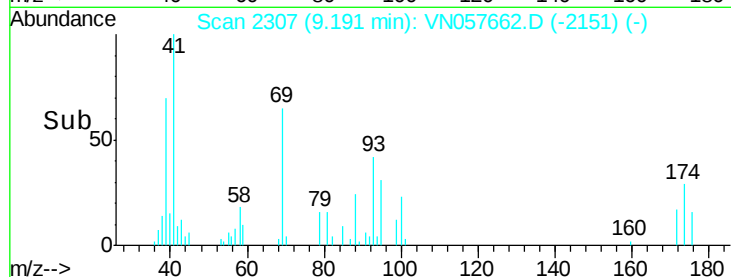
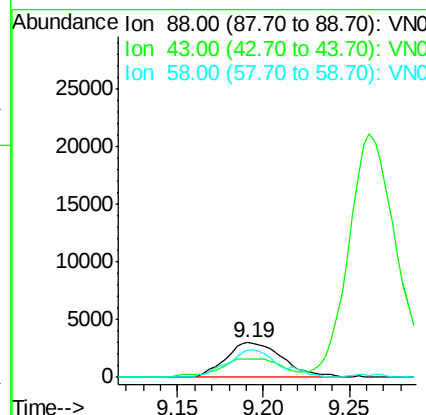
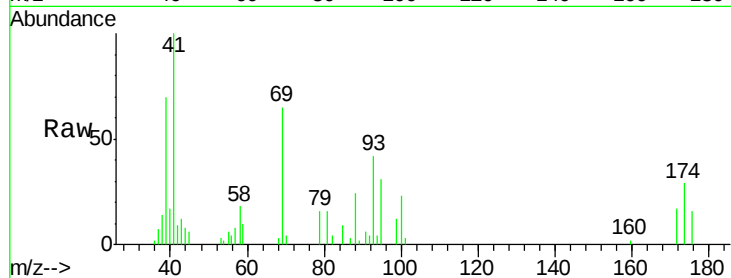
#45
1,4-Dioxane
Concen: 118.832 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 88 Resp: 6983
Ion Ratio Lower Upper
88 100
43 20.2 31.0 46.4#
58 63.2 58.2 87.2

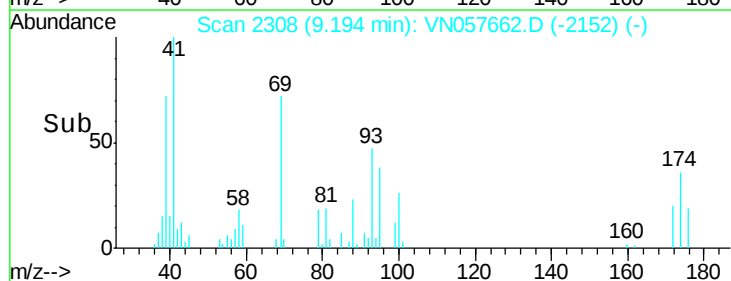
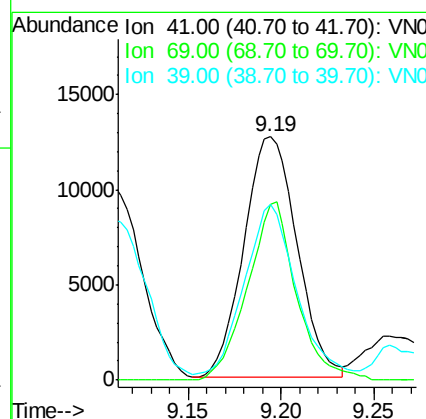
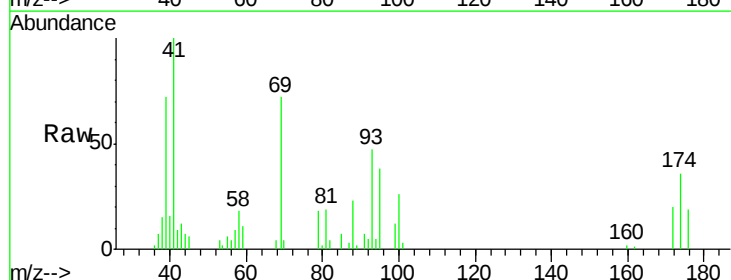
Manual Integrations
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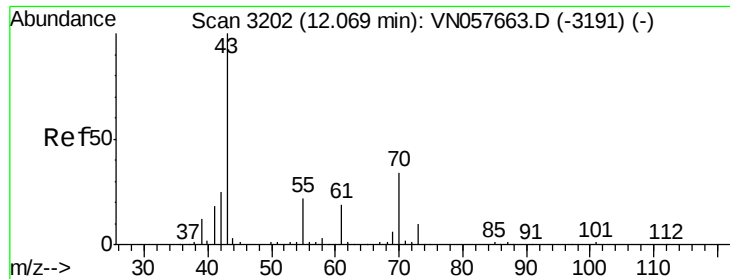
MMDadoda
9/5/2019 3:20:48 PM



#46
Methyl methacrylate
Concen: 7.460 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 41 Resp: 25268
Ion Ratio Lower Upper
41 100
69 73.3 33.1 99.2
39 70.6 34.0 102.0





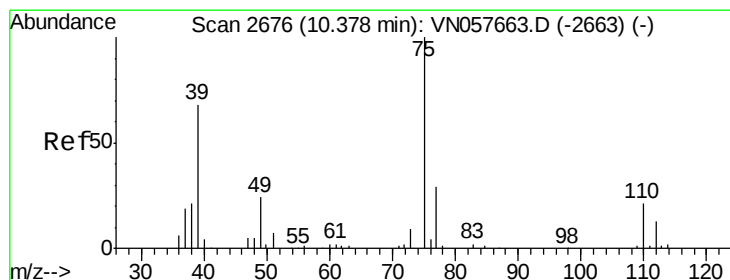
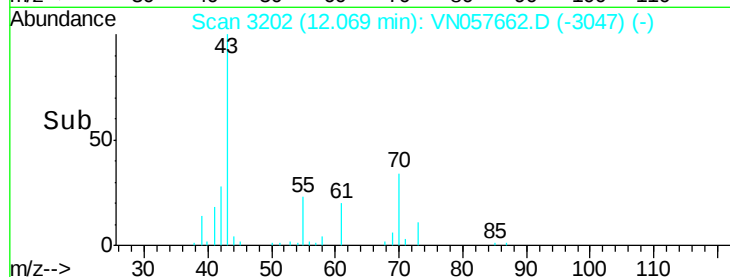
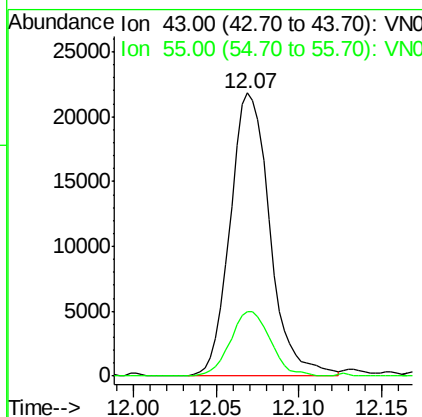
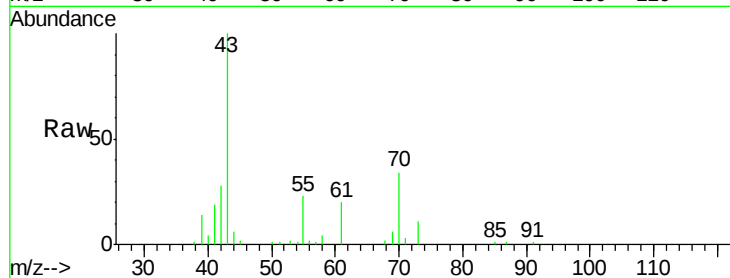
#47
n-amvl Acetate
Concen: 6.273 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	55	Ratio	Lower	Upper
Resp:	36499				
Ion	43	55	100	23.0	17.5
				26.3	

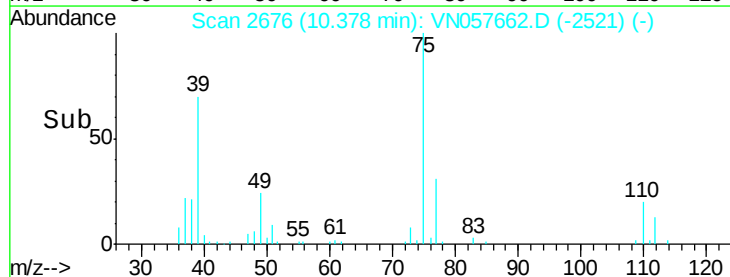
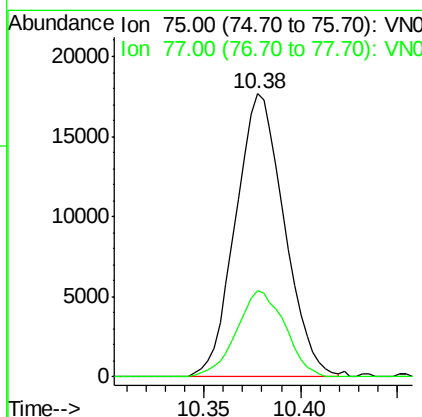
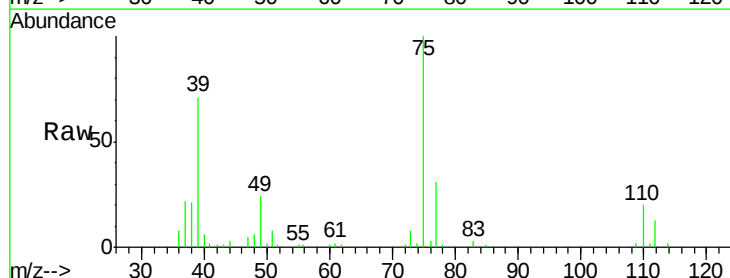
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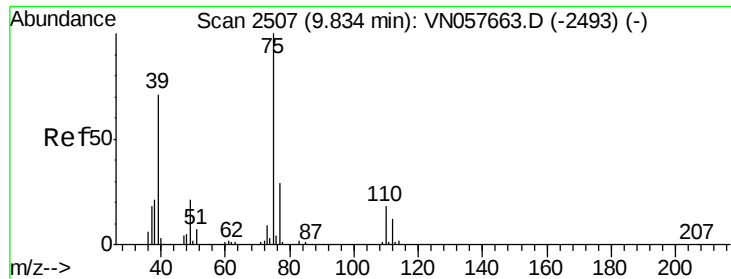
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 5.027 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	75	77	Ratio	Lower	Upper
Resp:	30933				
Ion	75	77	100	30.6	23.1
				34.7	





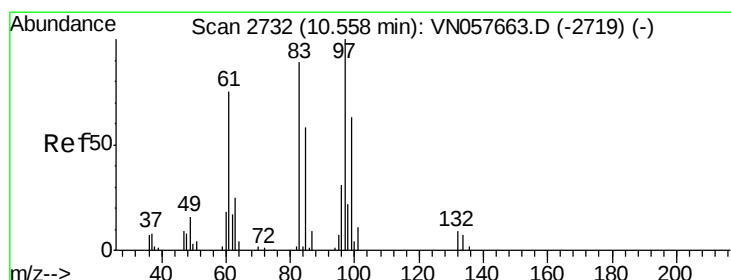
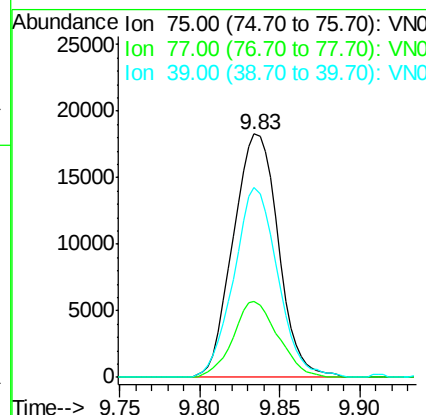
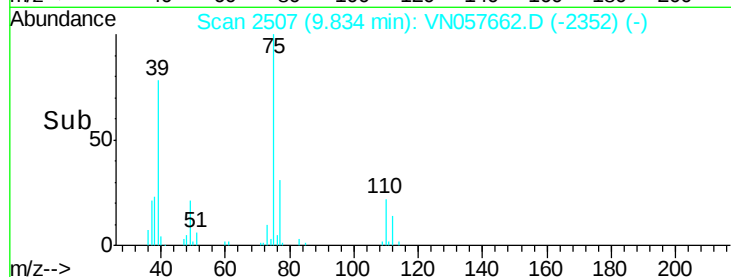
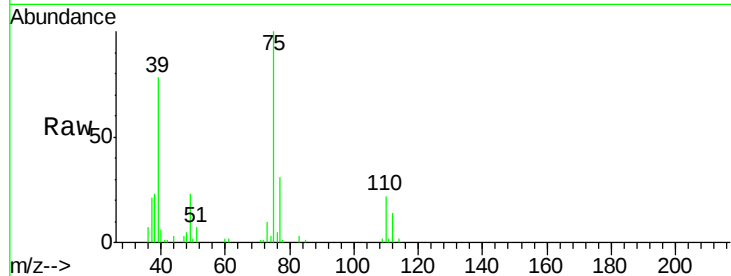
#49
 cis-1,3-Dichloropropene
 Concen: 5.318 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	23.4	35.2
39	77.9	56.6	85.0

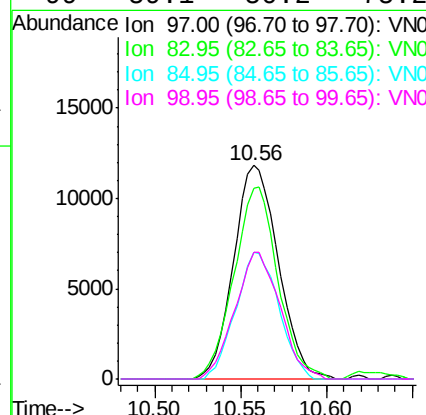
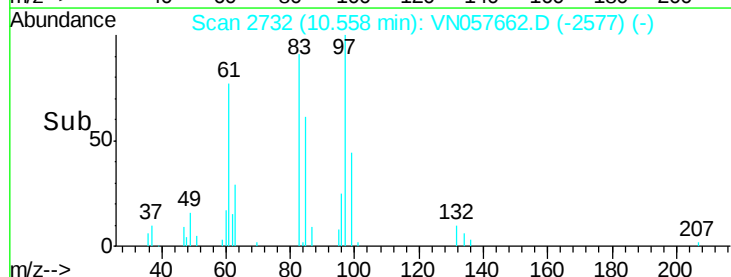
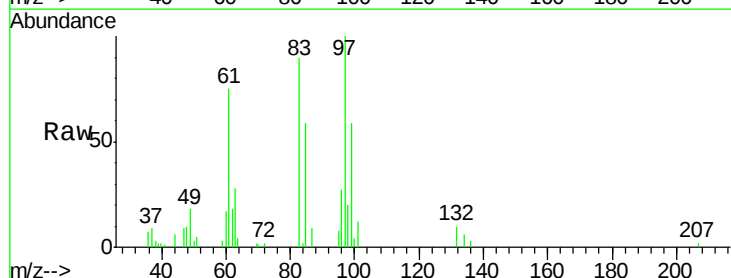
Manual Integrations
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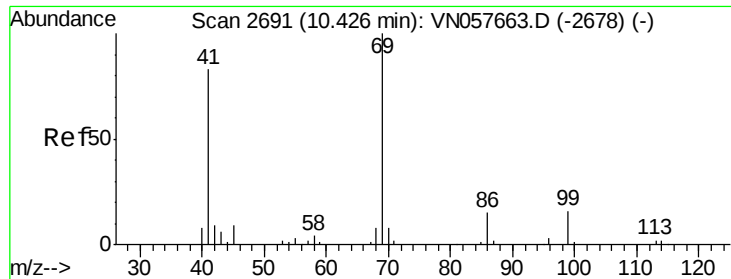
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 5.081 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.4	107.2
85	59.4	46.0	69.0
99	59.1	50.2	75.2





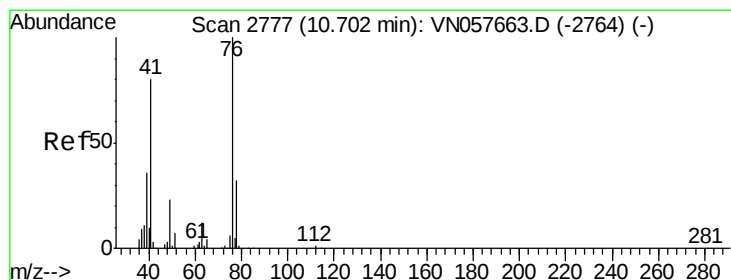
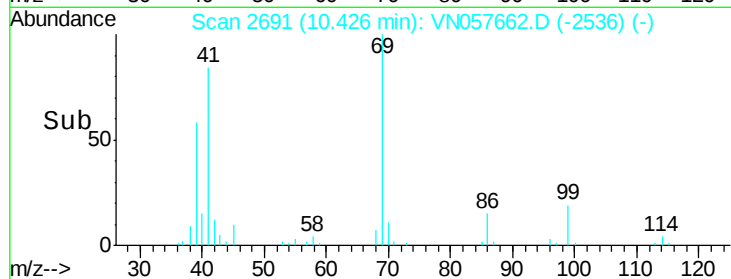
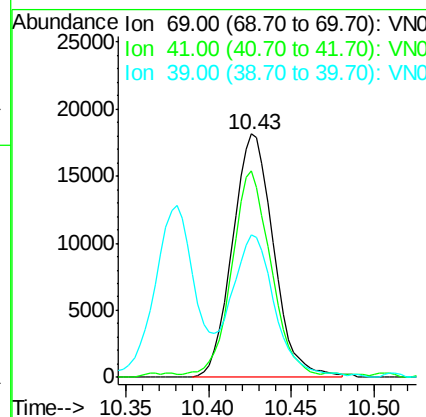
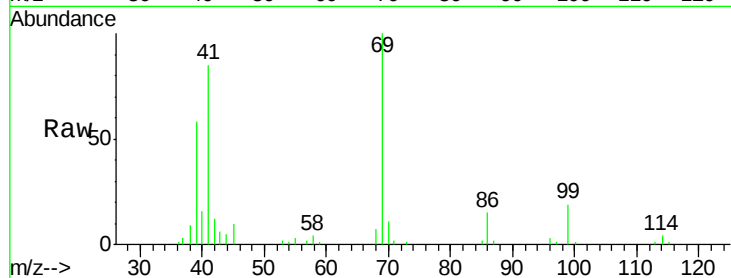
#51
Ethyl methacrylate
Concen: 5.506 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
69	100		
41	83.3	41.5	124.5
39	57.1	29.6	88.9

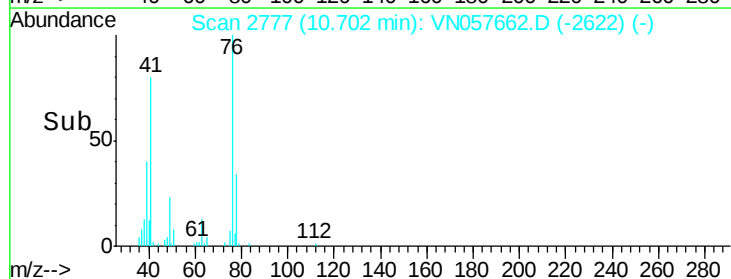
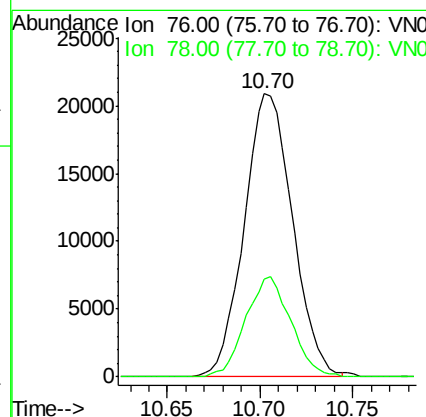
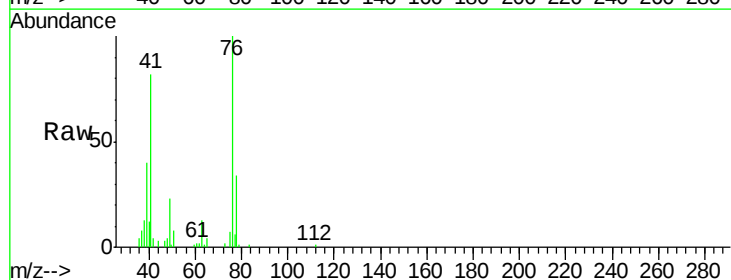
Manual Integrations
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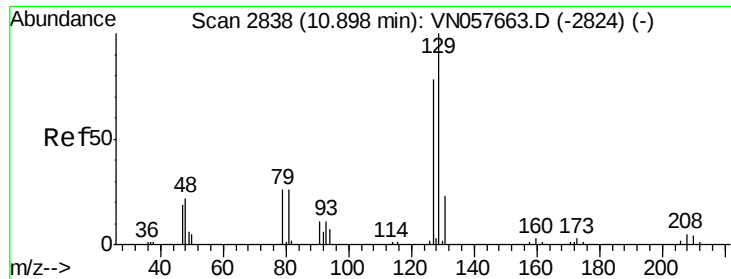
MMDadoda
9/5/2019 3:20:48 PM



#52
1,3-Dichloropropane
Concen: 5.645 ug/l
RT: 10.70 min Scan# 2777
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.1	0.0	63.8





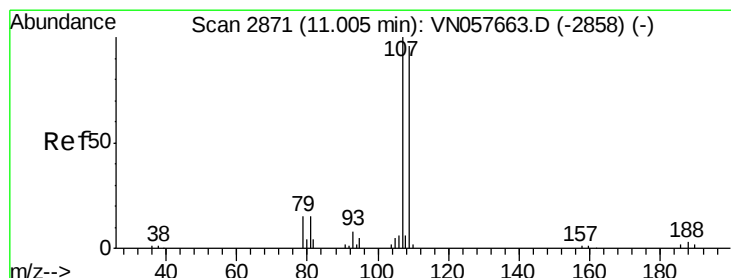
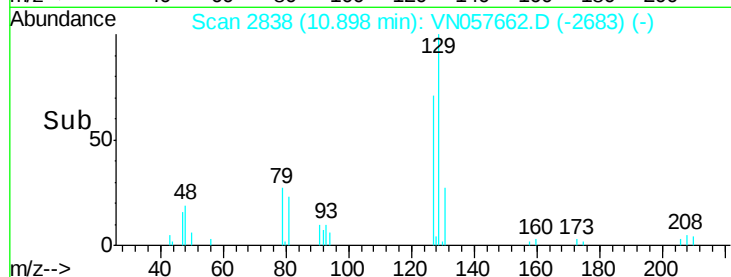
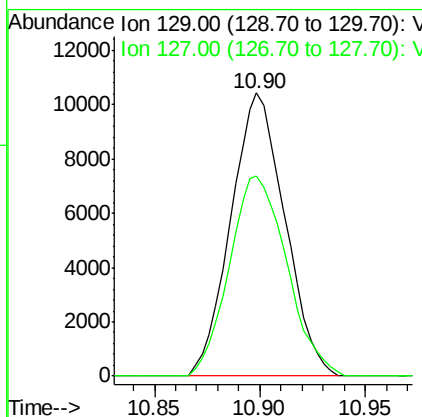
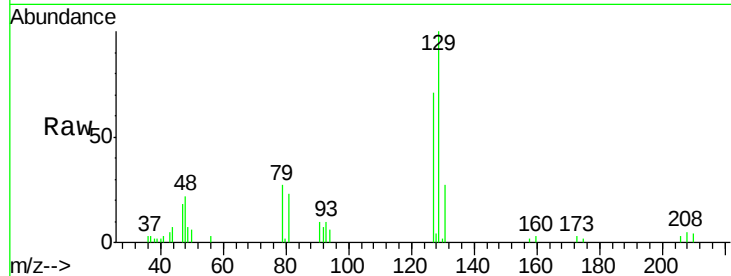
#53
Dibromochloromethane
Concen: 3.994 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.2	39.1	117.3

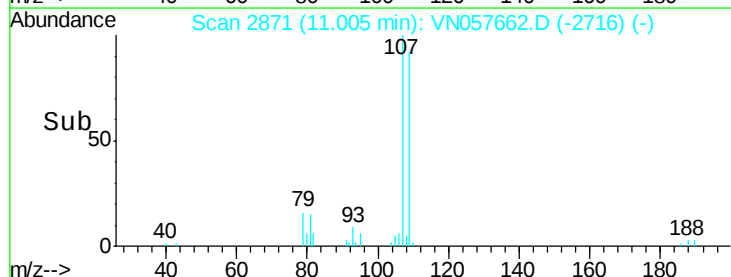
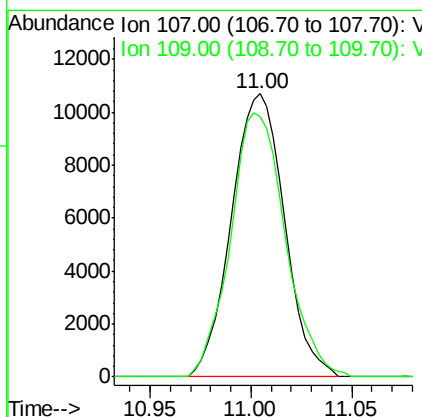
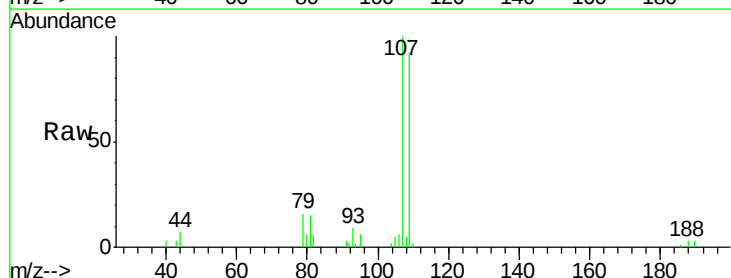
Manual Integrations
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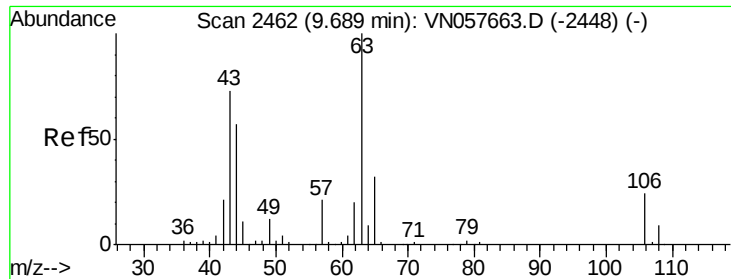
MMDadoda
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#54
1,2-Dibromoethane
Concen: 4.555 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.2	114.4





#55

2-Chloroethyl vinyl ether

Concen: 30.511 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

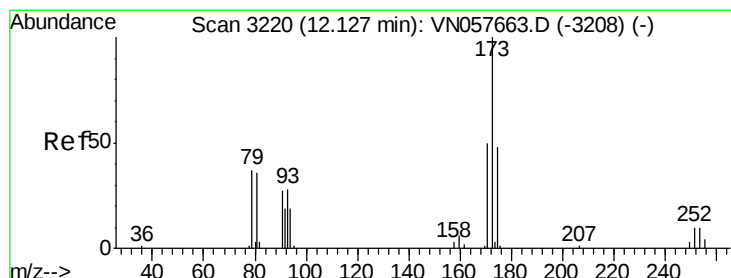
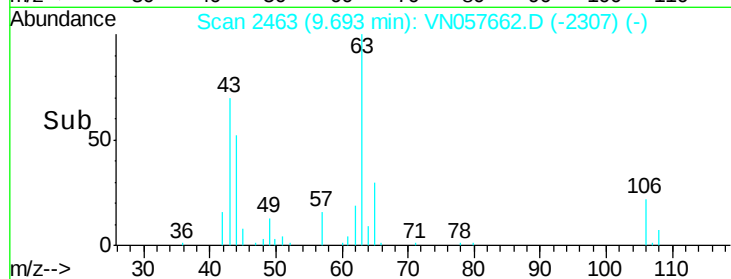
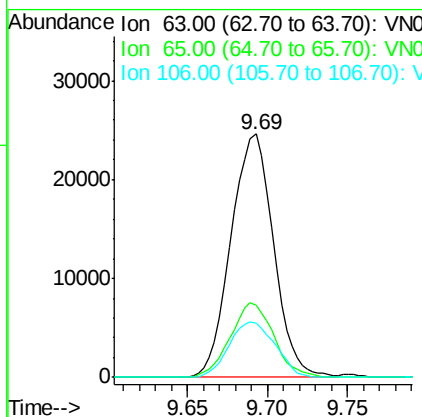
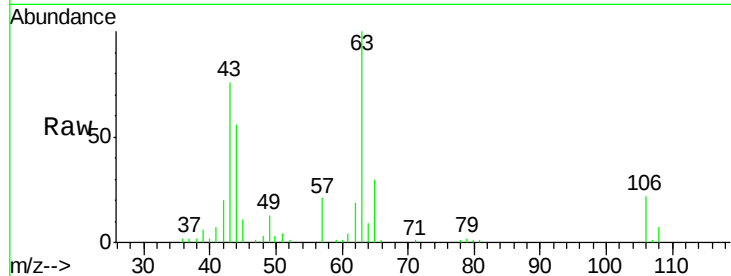
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	44843
Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.6	38.4
106	24.5	19.5	29.3

Manual Integrations
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#56

Bromoform

Concen: 3.446 ug/l

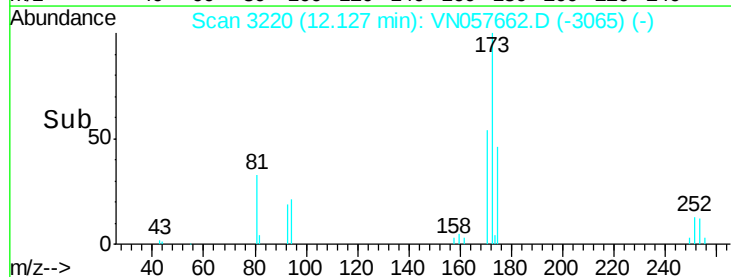
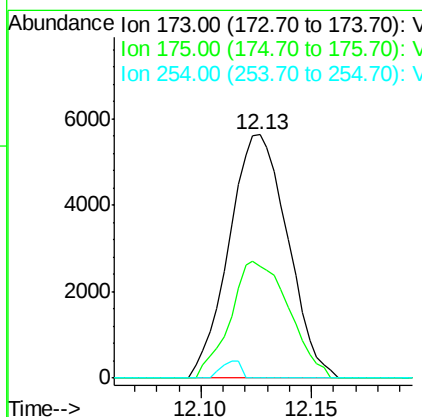
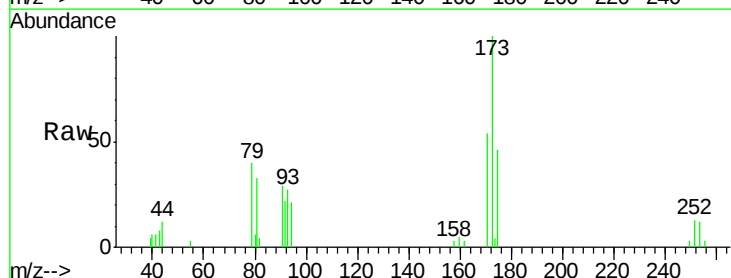
RT: 12.13 min Scan# 3220

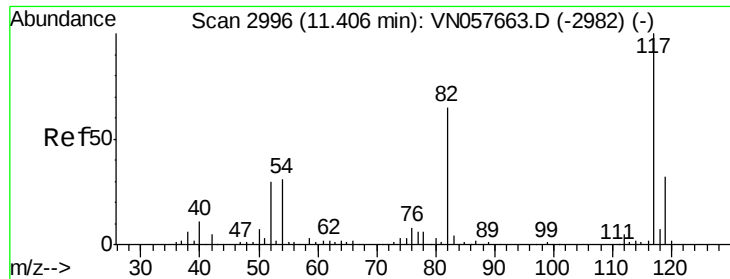
Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion:	173	Resp:	10361
Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.8	58.2
254	2.4	7.2	10.8#





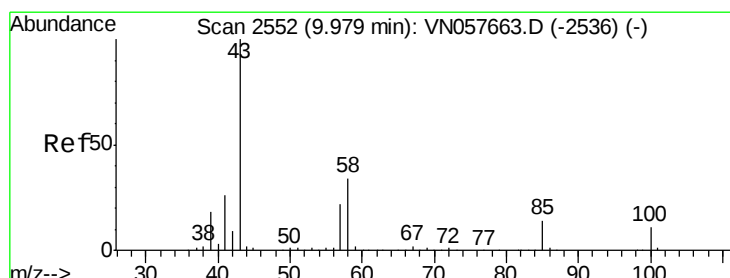
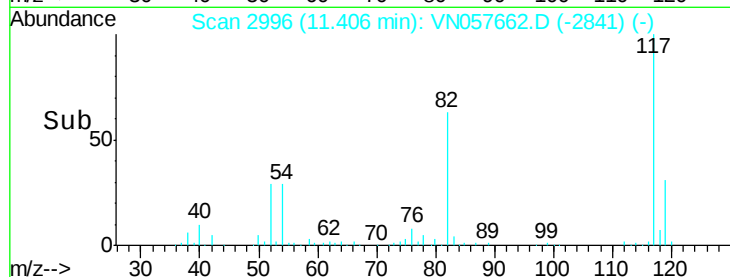
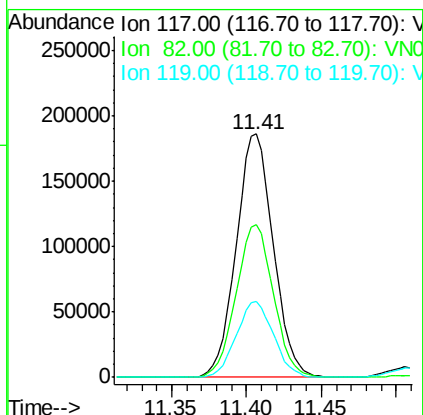
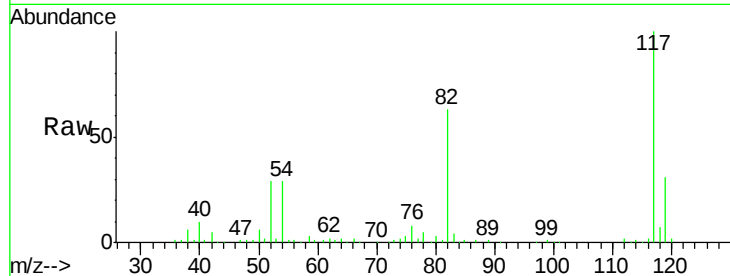
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		321452		
82	63.1	51.2	76.8		
119	31.4	25.8	38.6		

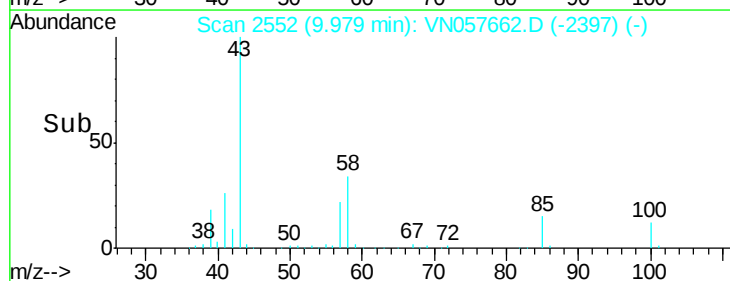
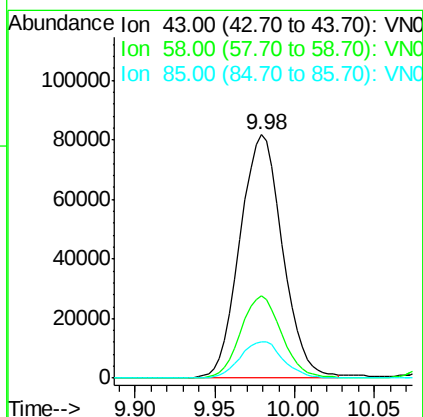
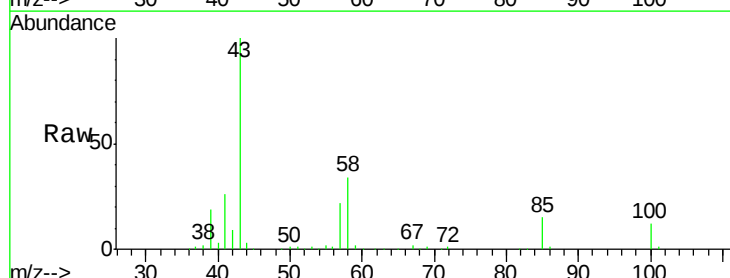
Manual Integrations
APPROVED

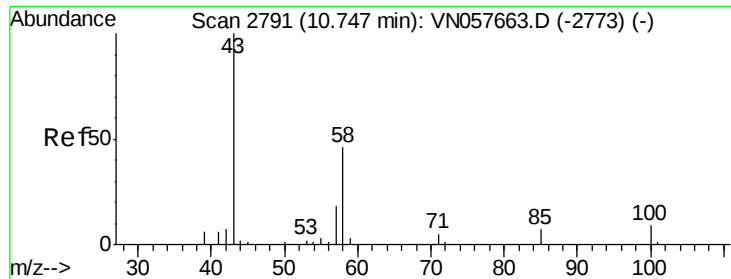
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 40.569 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100		149472		
58	32.6	26.7	40.1		
85	15.0	11.2	16.8		





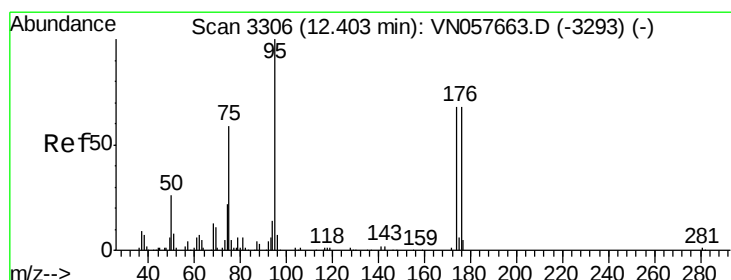
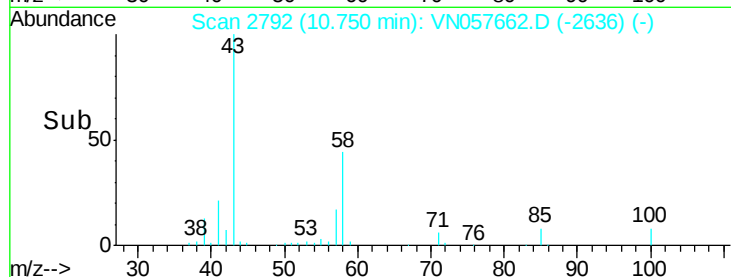
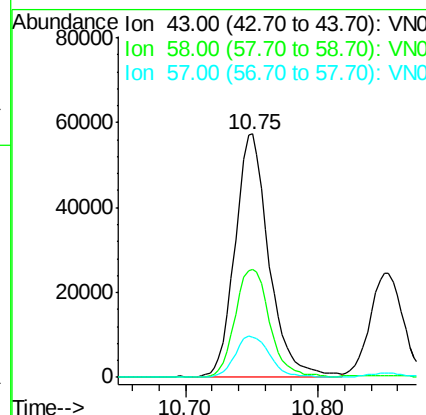
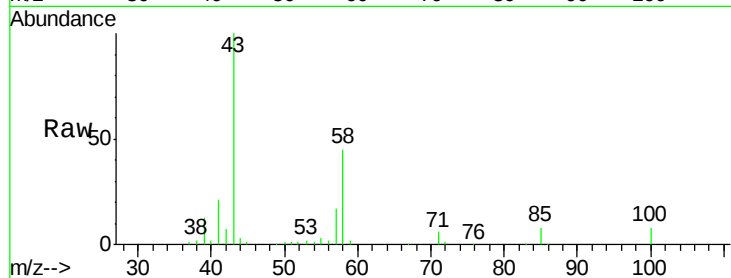
#59
2-Hexanone
Concen: 40.221 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.8	36.1	54.1
57	17.4	14.1	21.1

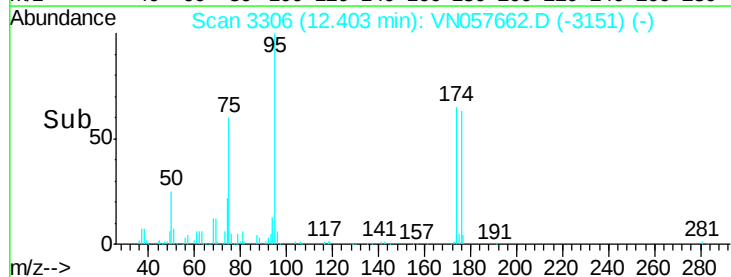
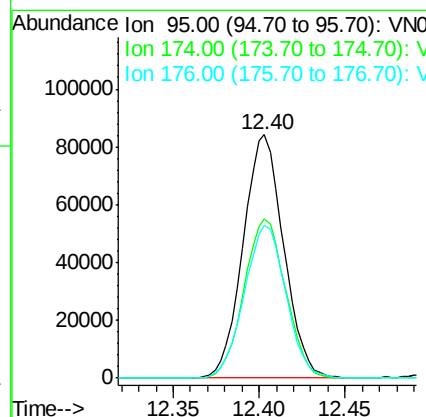
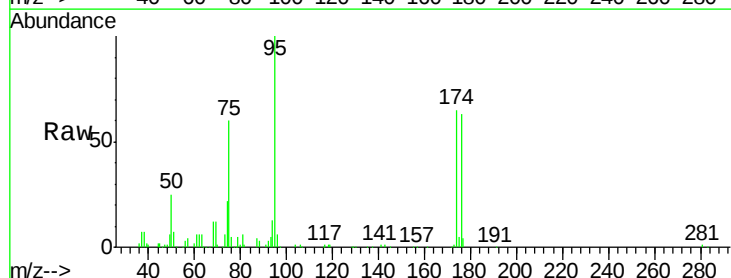
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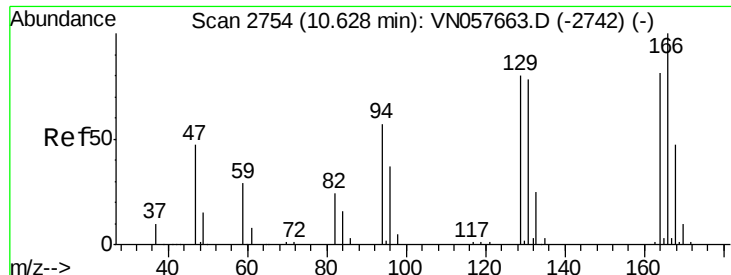
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 27.750 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.1	55.0	82.6
176	64.6	53.7	80.5





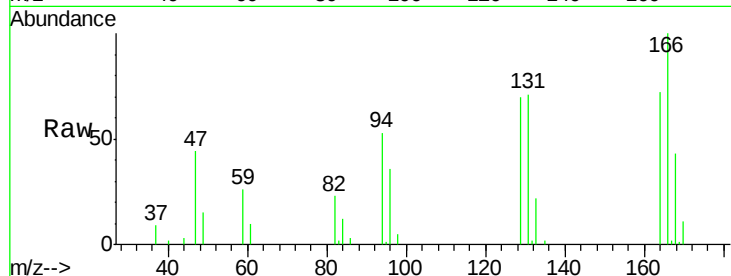
#61
Tetrachloroethene
Concen: 5.159 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

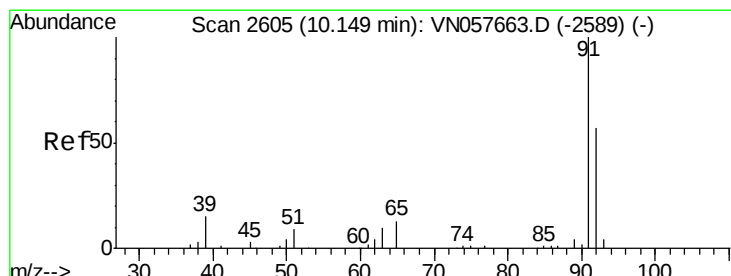
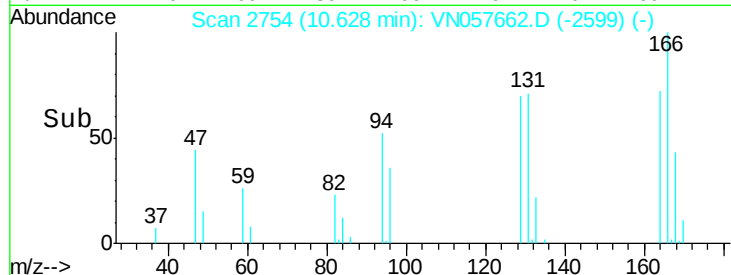
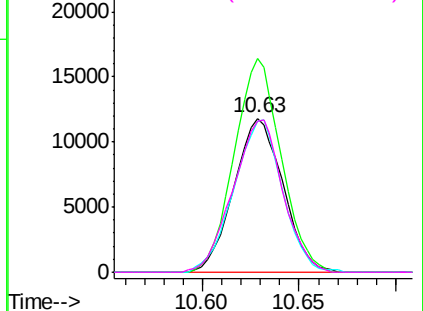
Tot Ion:	164	Resp:	20786
Ion	Ratio	Lower	Upper
164	100		
166	138.9	99.4	149.2
129	97.9	78.8	118.2
131	98.5	78.2	117.2

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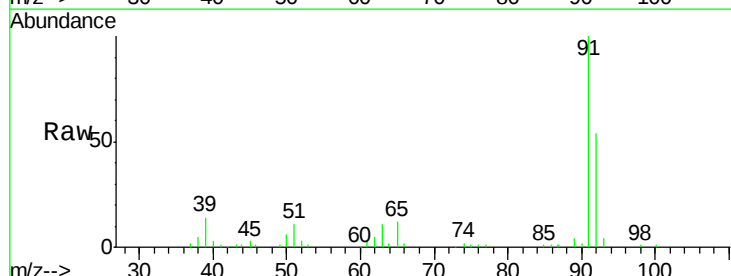


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

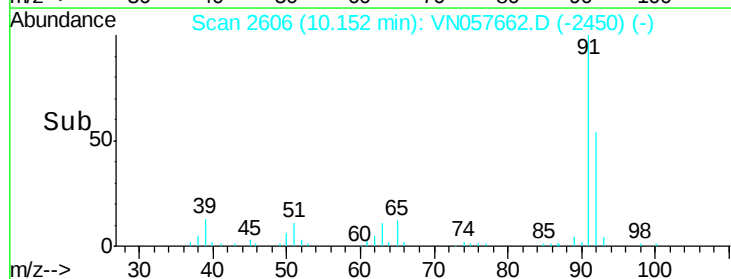
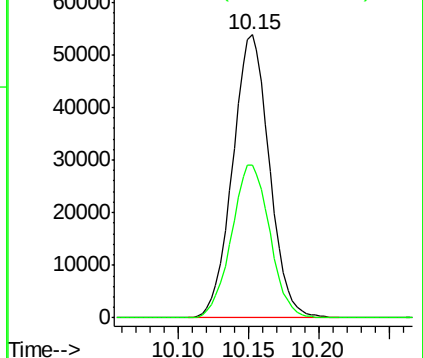


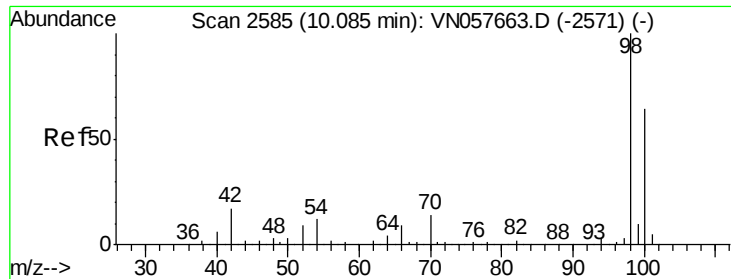
#62
Toluene
Concen: 6.001 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion:	91	Resp:	98266
Ion	Ratio	Lower	Upper
91	100		
92	56.1	46.1	69.1



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





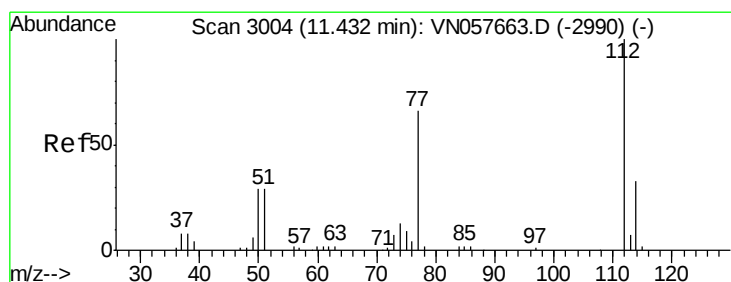
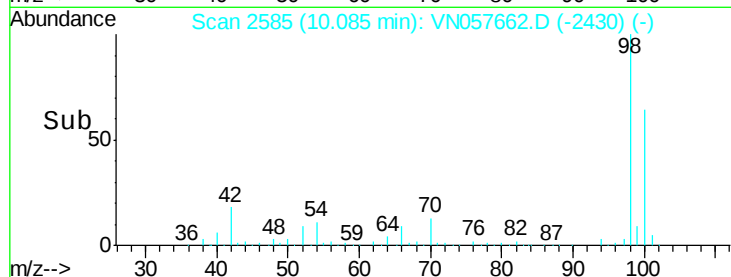
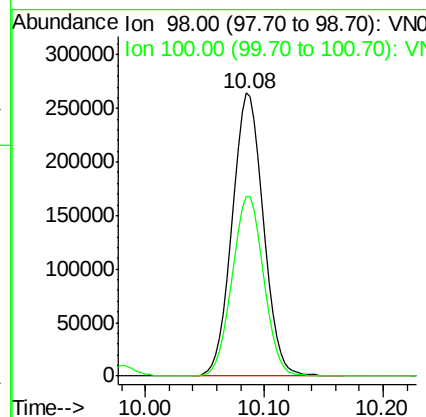
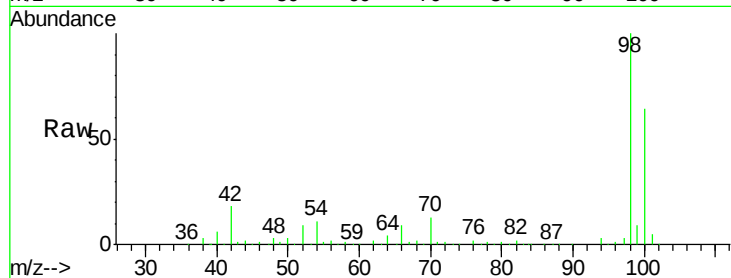
#63
Toluene-d8
Concen: 32.026 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 98 Resp: 481683
Ion Ratio Lower Upper
98 100
100 64.4 51.0 76.6

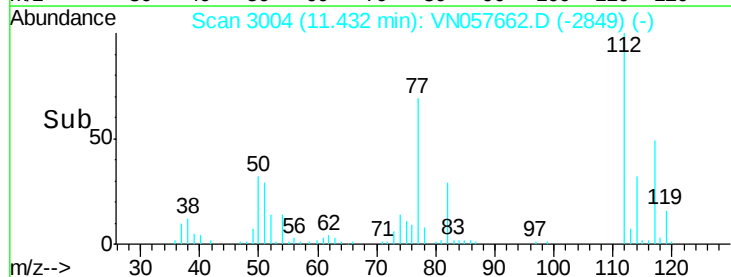
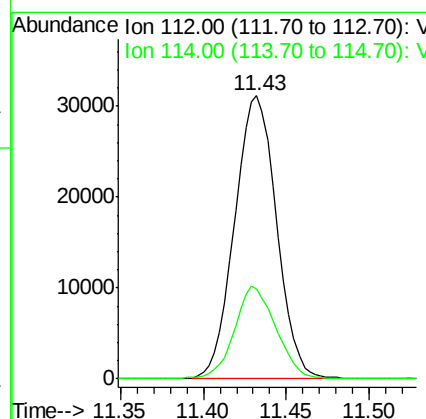
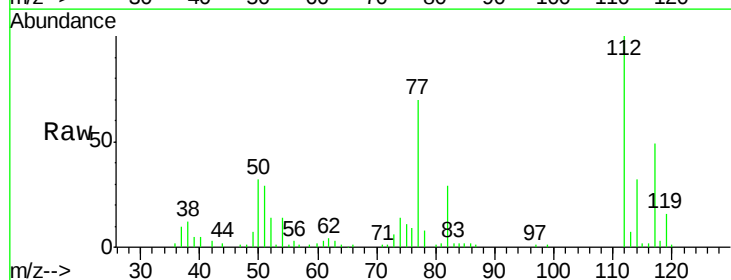
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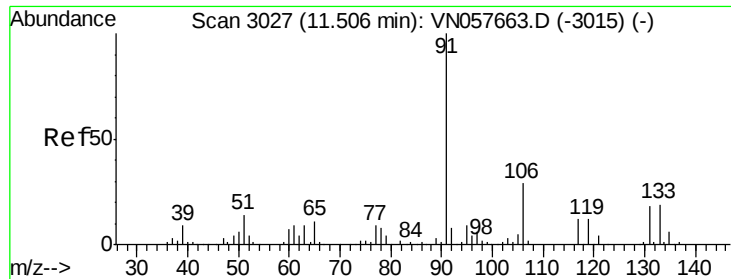
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#64
Chlorobenzene
Concen: 5.290 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion: 112 Resp: 54818
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4





#65

1,1,1,2-Tetrachloroethane

Concen: 4.602 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

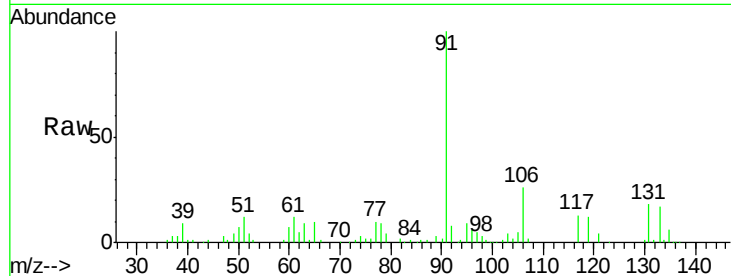
ClientSampled :

VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
131	100	18770		
133	93.9	0.0	198.0	
119	66.7	0.0	129.8	

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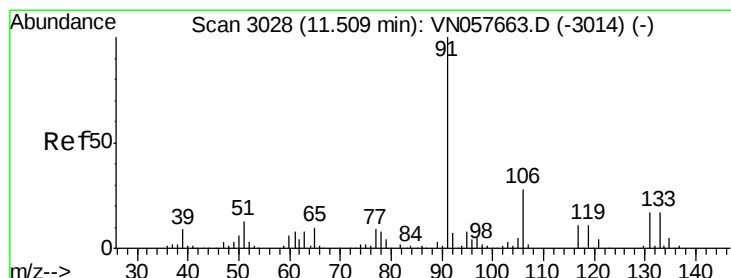
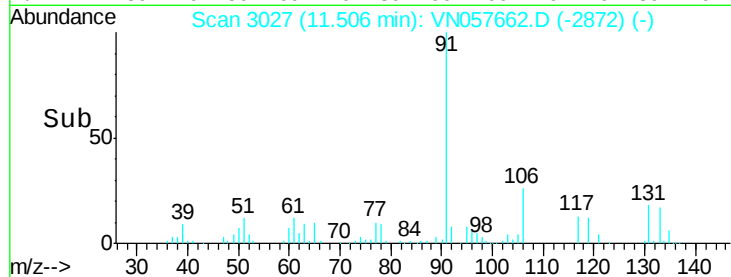
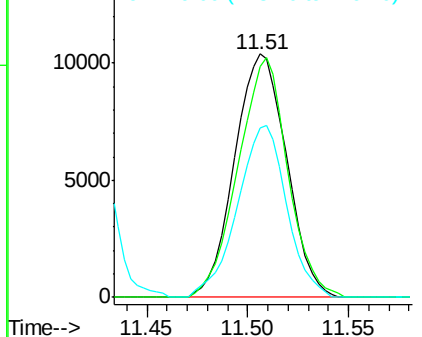
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Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.856 ug/l

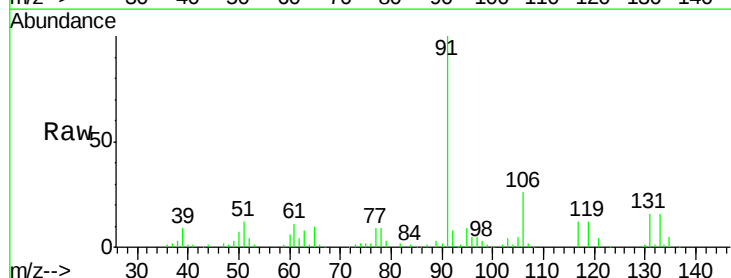
RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057662.D

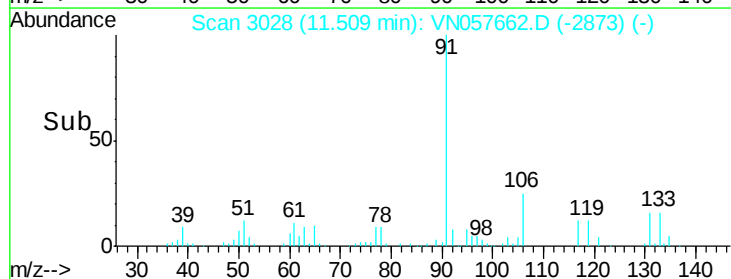
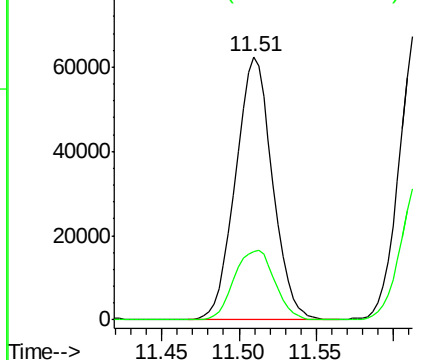
Acq: 3 Sep 2019 14:44

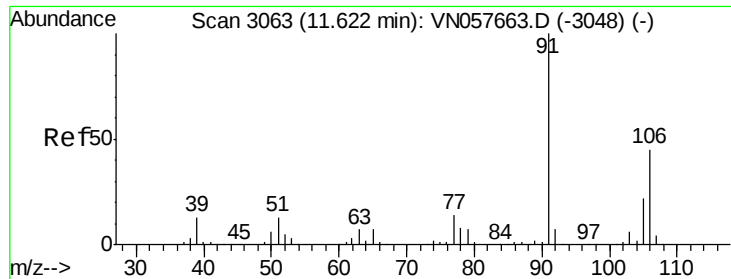
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	103655		
106	26.0	22.7	34.1	



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





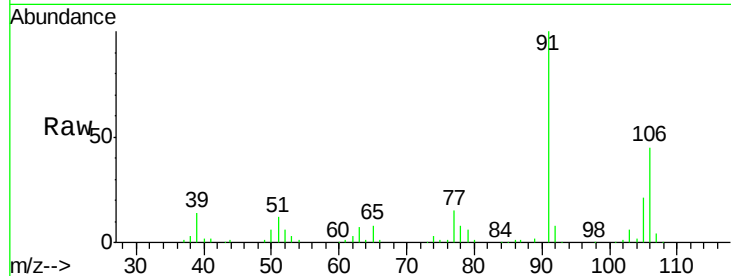
#67
m/p-Xvlenes
Concen: 9.902 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

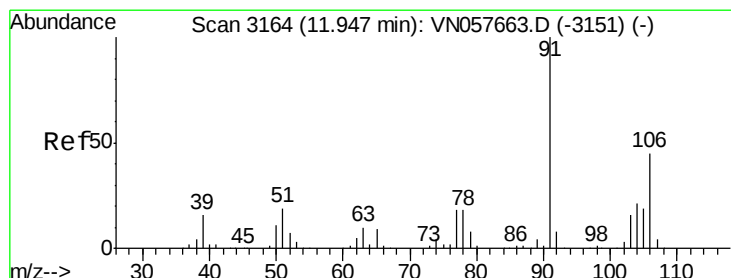
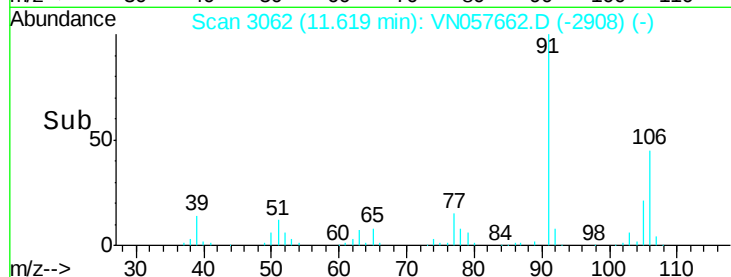
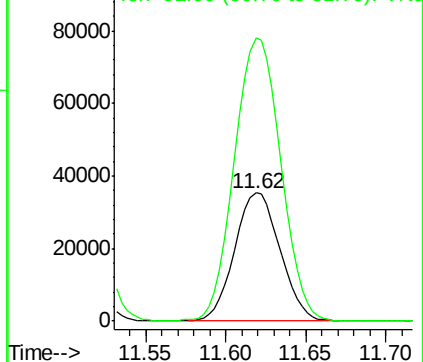
Tot Ion:106 Resp: 68586
Ion Ratio Lower Upper
106 100
91 225.9 178.9 268.3

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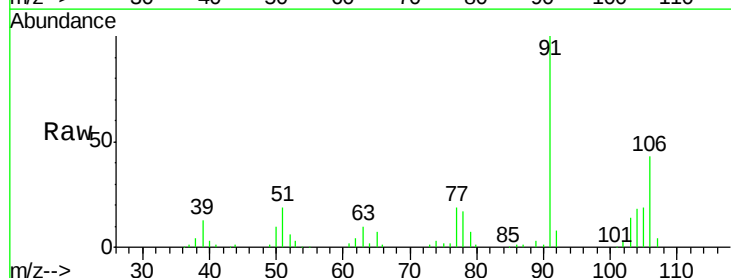


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

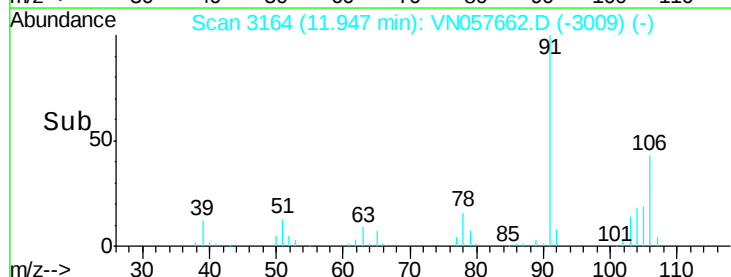
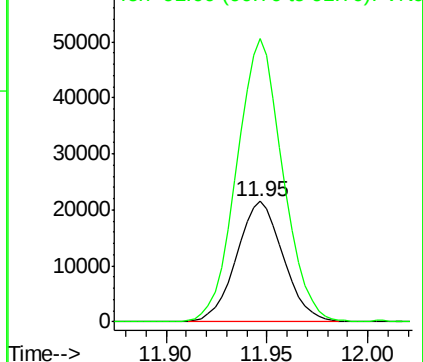


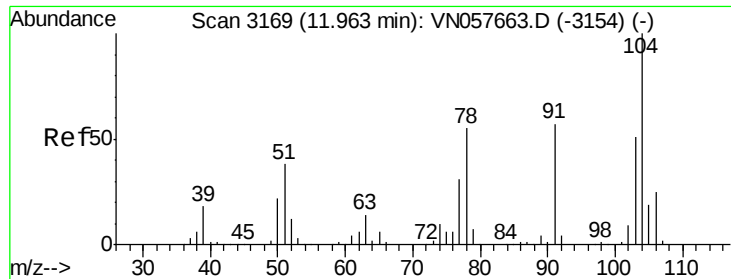
#68
o-Xylene
Concen: 5.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion:106 Resp: 34889
Ion Ratio Lower Upper
106 100
91 231.5 114.0 342.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





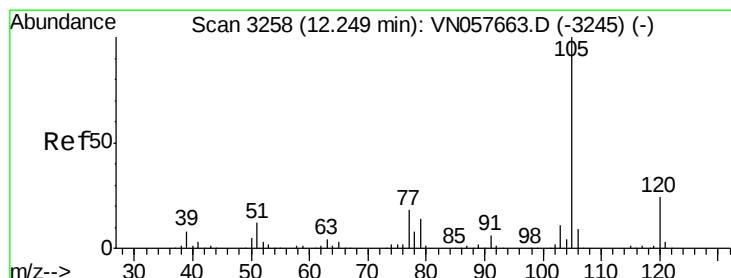
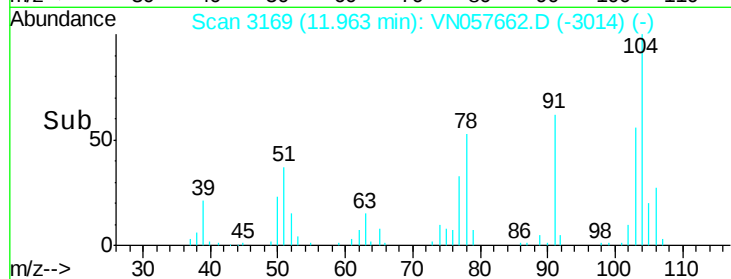
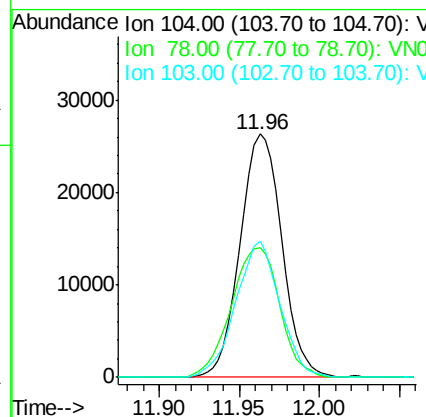
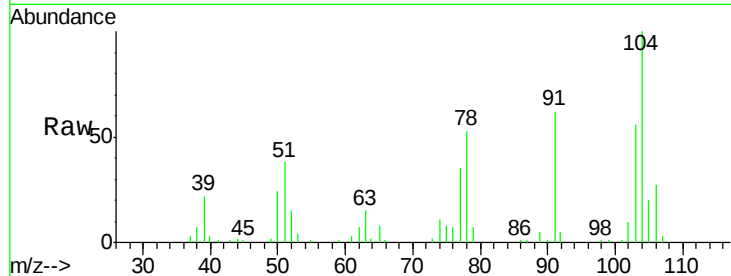
#69
Stvrene
Concen: 4.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	61.8	49.0	73.6
103	59.0	44.9	67.3

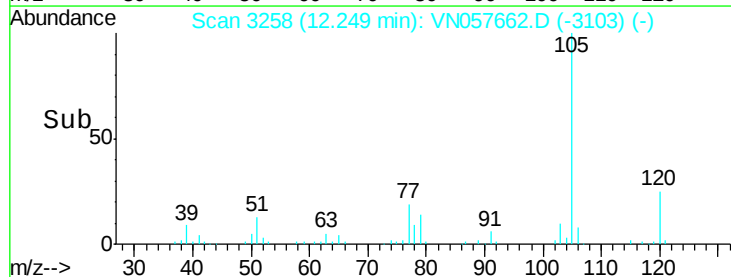
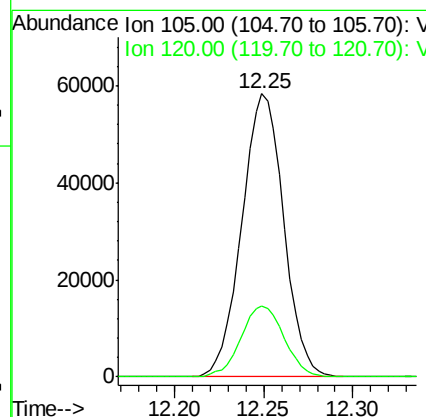
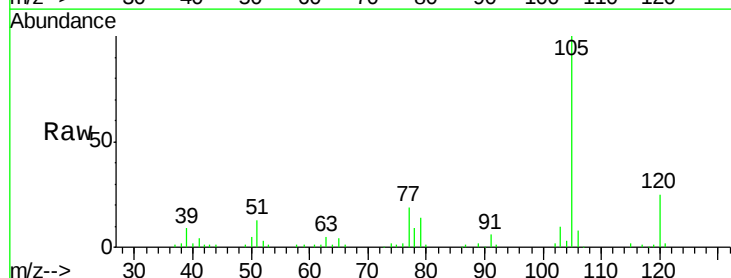
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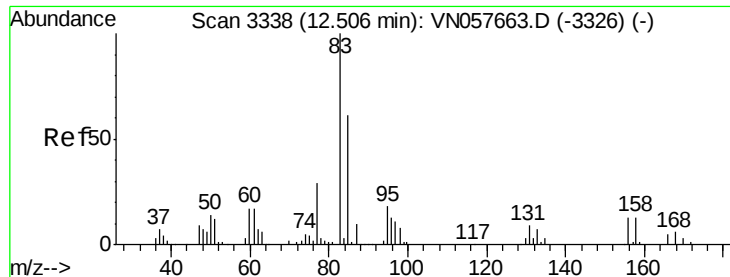
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#70
Isopropylbenzene
Concen: 5.436 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	17.2	32.0#





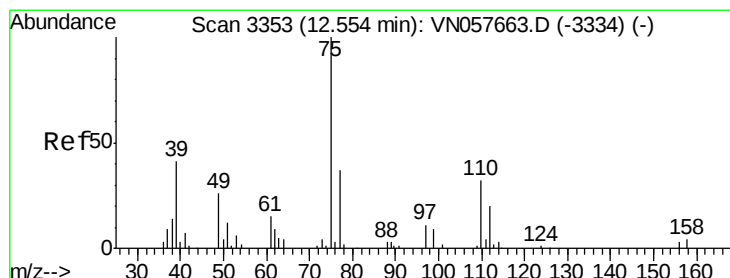
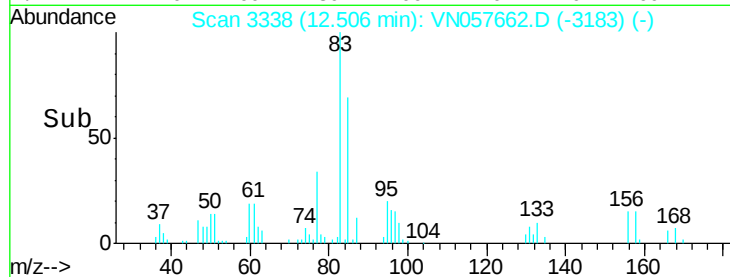
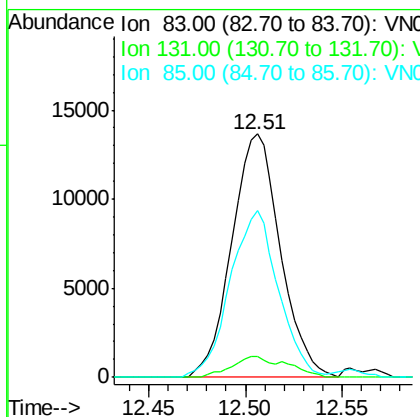
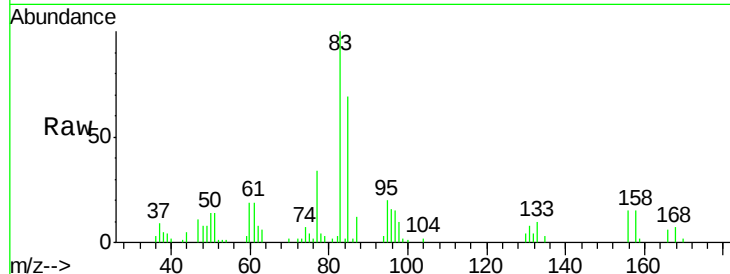
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.027 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	23809
Ion Ratio	100	Lower	Upper
83	100		
131	7.0	5.0	14.9
85	68.1	31.7	95.1

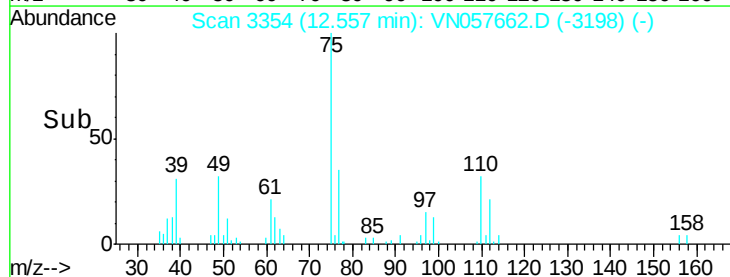
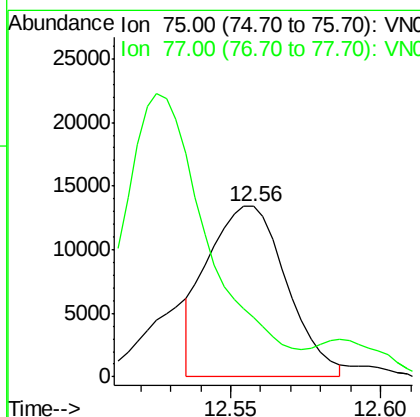
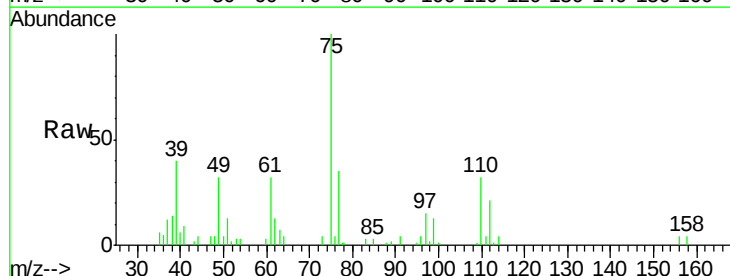
Manual Integrations
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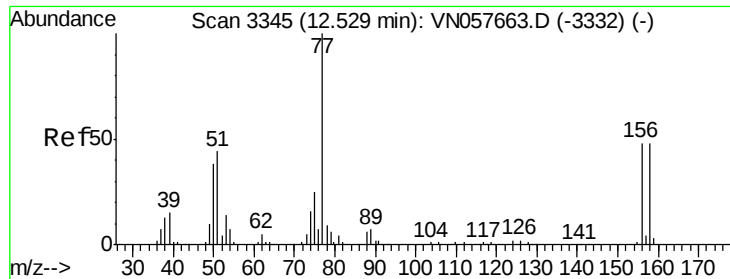
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#72
 1,2,3-Trichloropropane
 Concen: 6.044 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	75	Resp	24581
Ion Ratio	100	Lower	Upper
75	100		
77	17.6	0.0	405.6





#73

Bromobenzene

Concen: 4.233 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

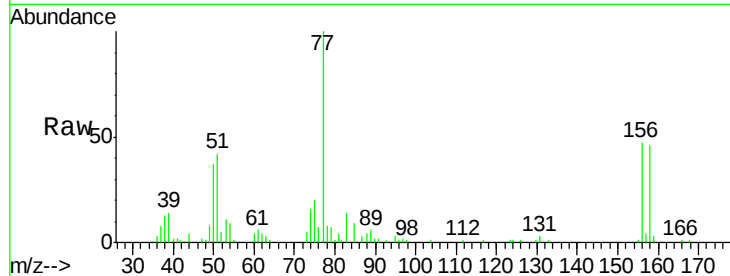
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	244.3	0.0	495.6
158	97.3	0.0	197.8

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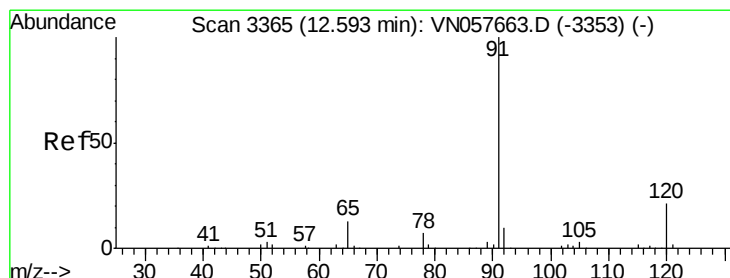
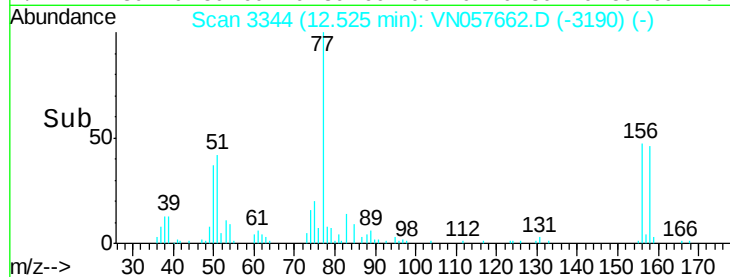
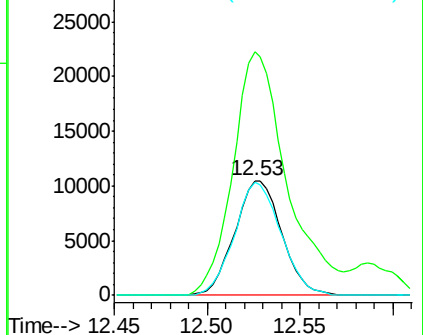


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.763 ug/l

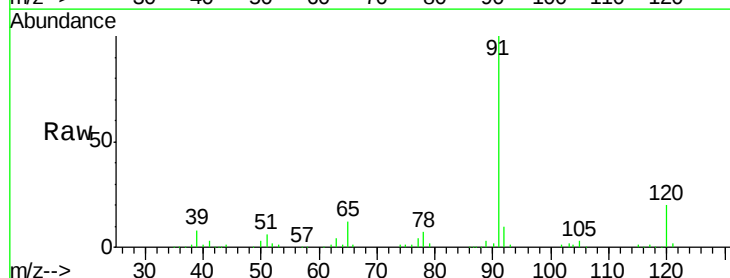
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

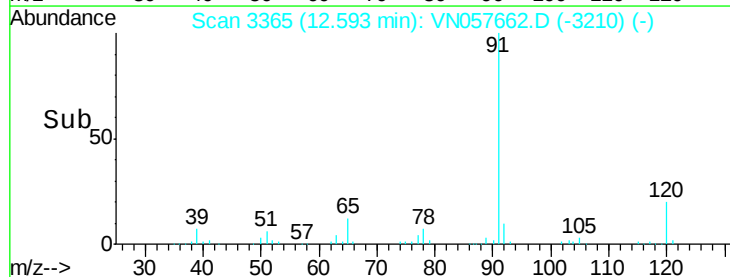
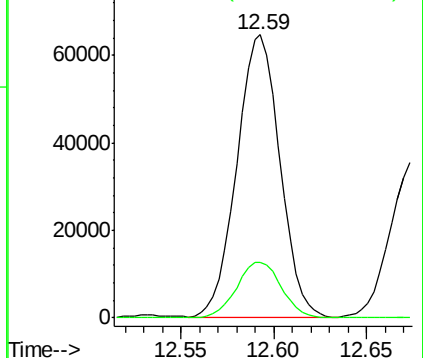
Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.3	0.0	40.4

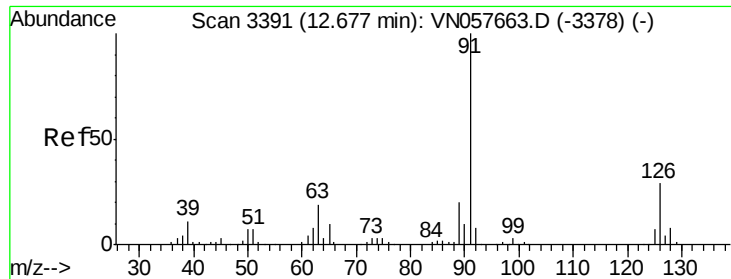


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.262 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 62174

Ion Ratio Lower Upper

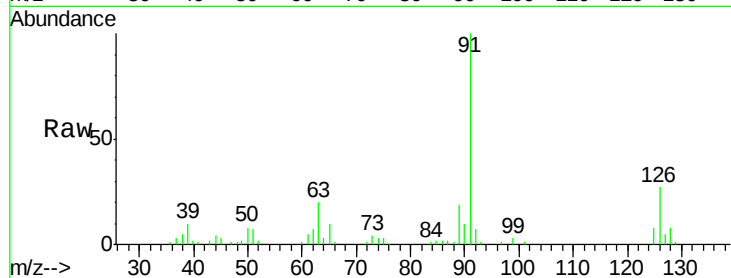
91 100

126 28.3 0.0 59.2

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Abundance Ion 91.00 (90.70 to 91.70): VN057663.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN057663.D (-3378) (-)

60000

50000

40000

30000

20000

10000

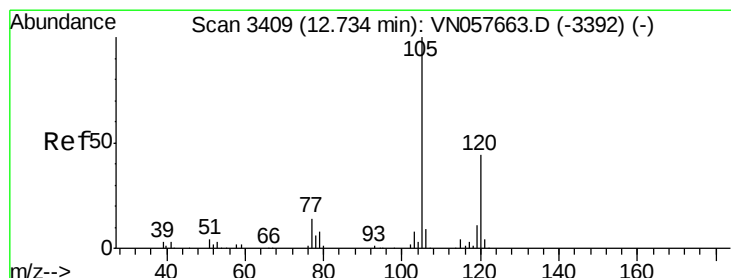
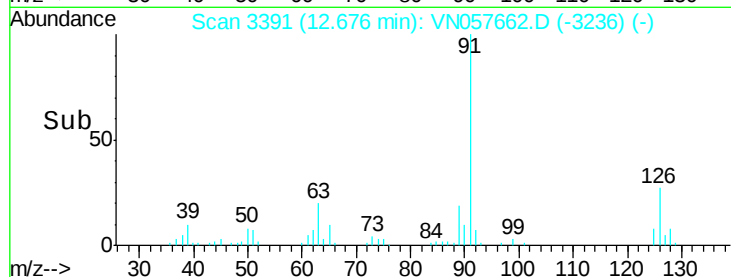
0

12.60

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 5.319 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057662.D

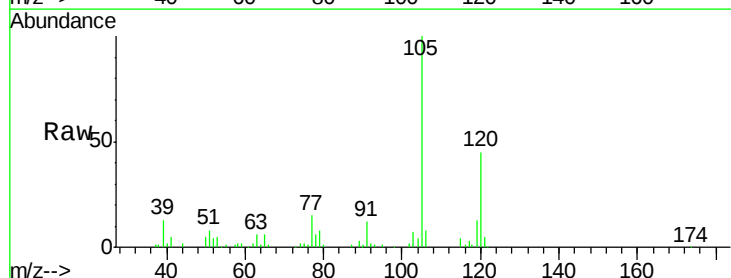
Acq: 3 Sep 2019 14:44

Tgt Ion: 105 Resp: 78175

Ion Ratio Lower Upper

105 100

120 44.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): VN057663.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN057663.D (-3392) (-)

50000

40000

30000

20000

10000

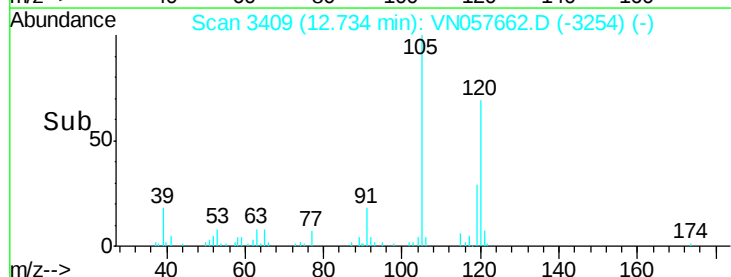
0

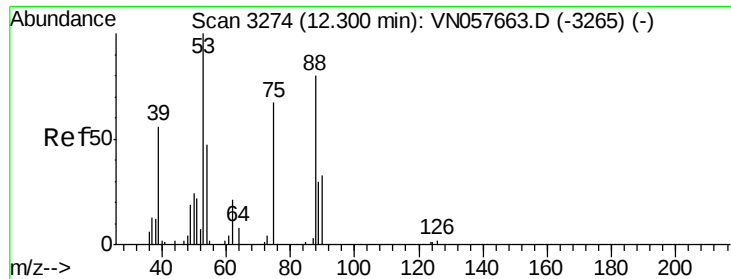
12.70

12.75

12.80

Time-->





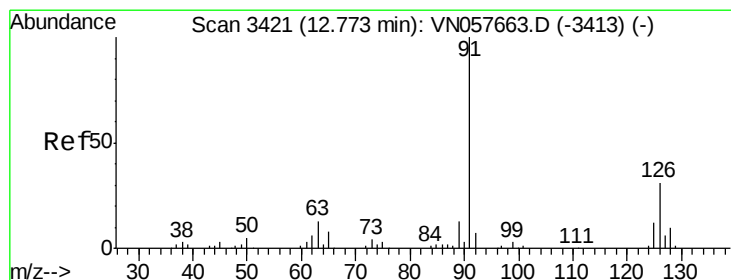
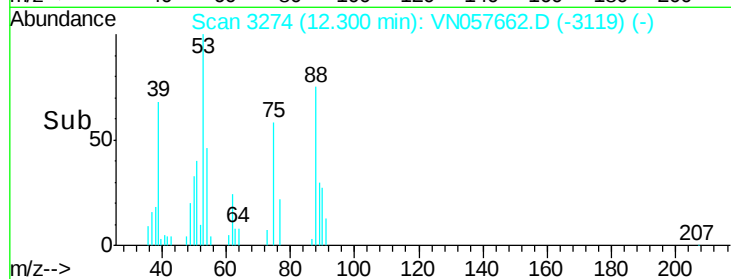
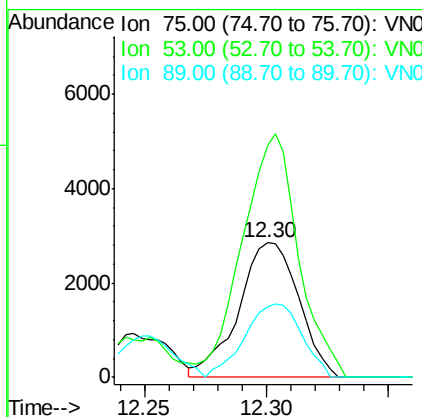
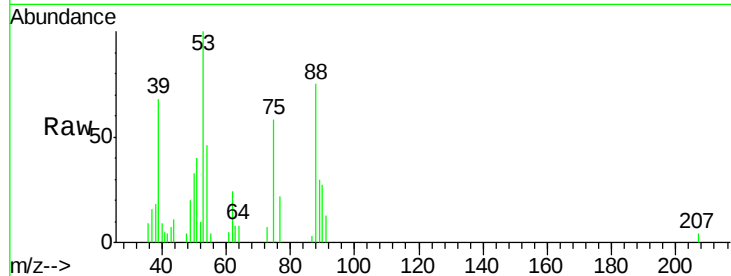
#77
t-1,4-Dichloro-2-butene
Concen: 3.783 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	162.2	74.2	222.6
89	52.6	23.3	69.9

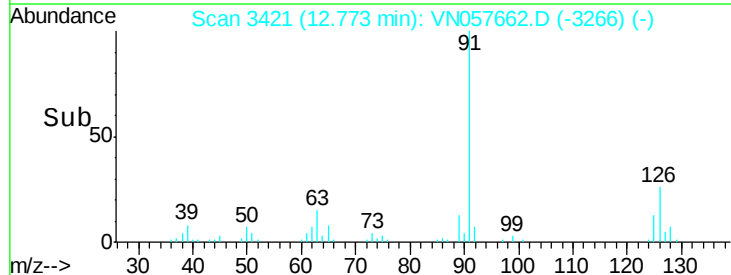
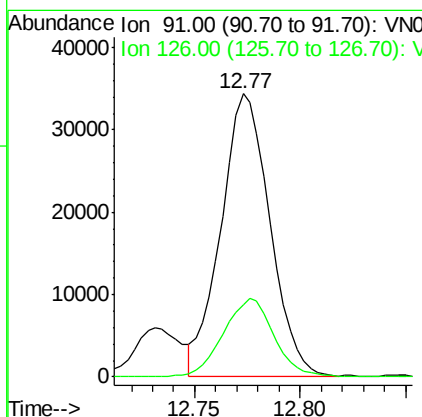
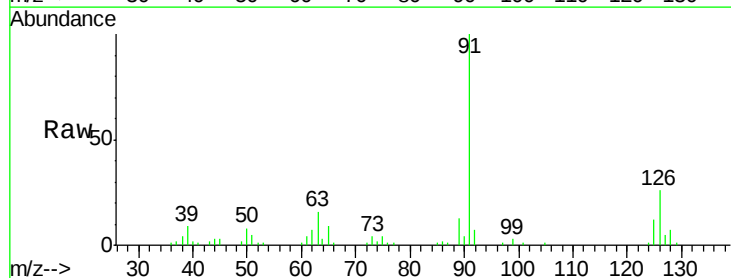
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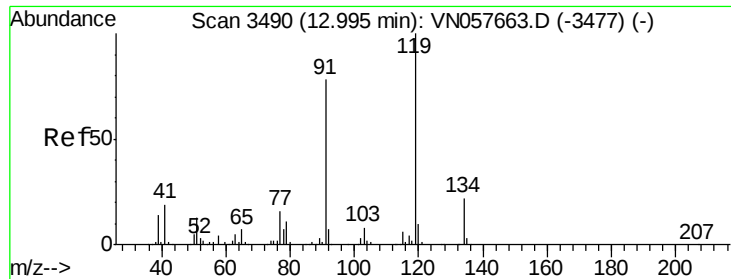
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#78
4-Chlorotoluene
Concen: 4.955 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	0.0	57.8





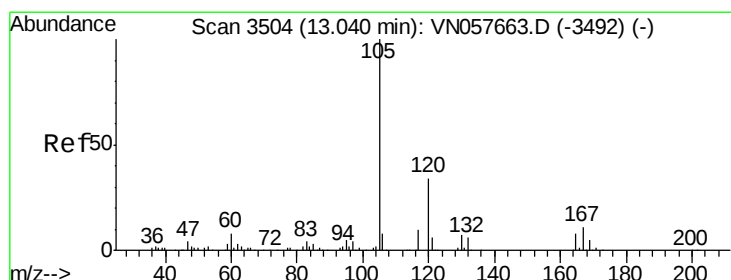
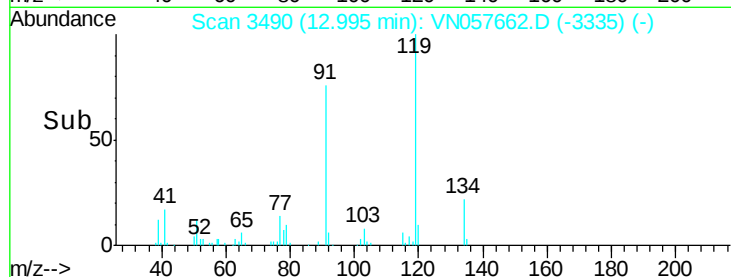
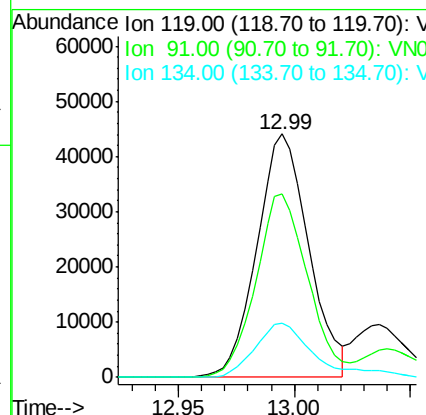
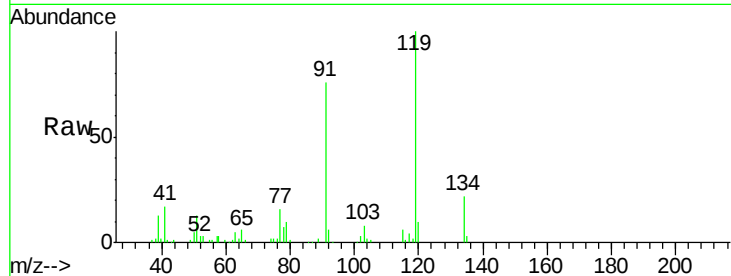
#79
tert-butylbenzene
Concen: 5.116 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	68321		
91	75.7	0.0	155.6	
134	25.8	0.0	48.2	

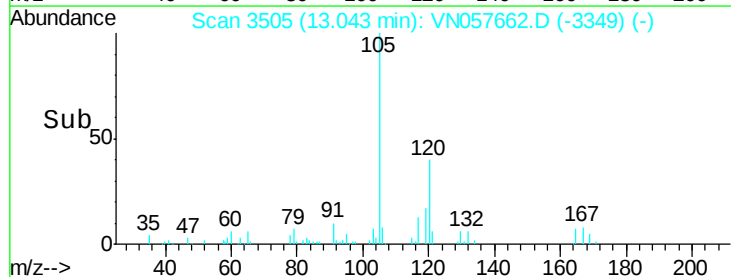
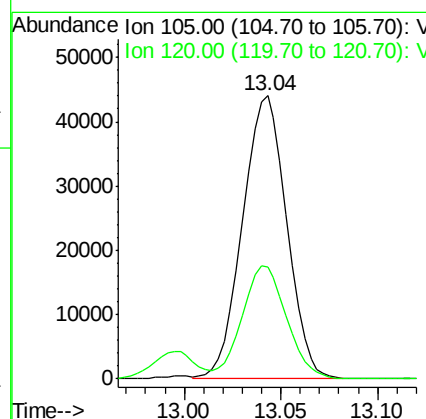
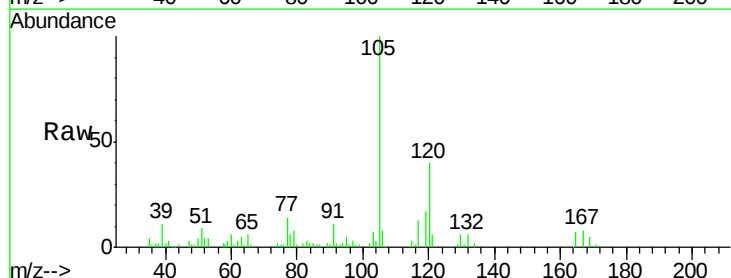
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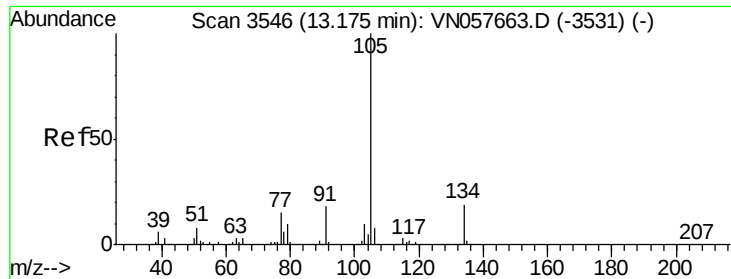
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#80
1,2,4-Trimethylbenzene
Concen: 5.084 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	69989		
120	39.6	0.0	83.4	





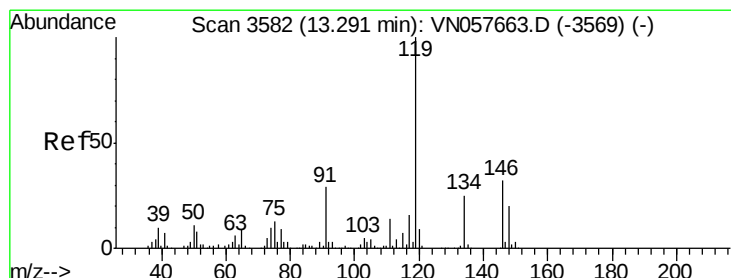
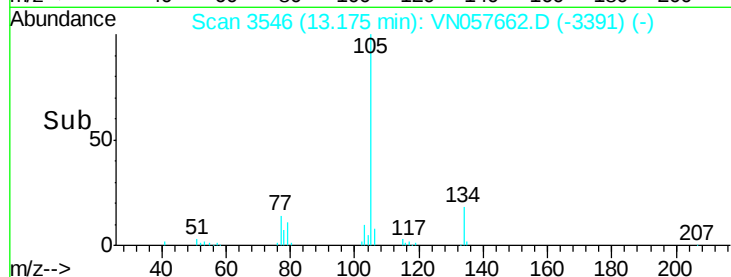
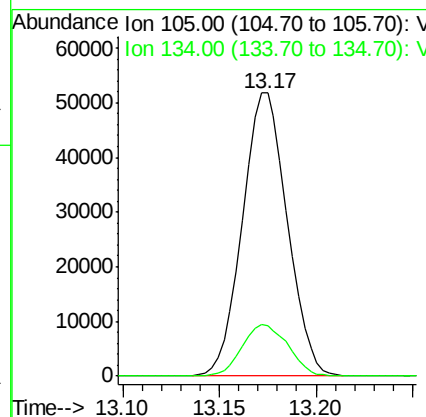
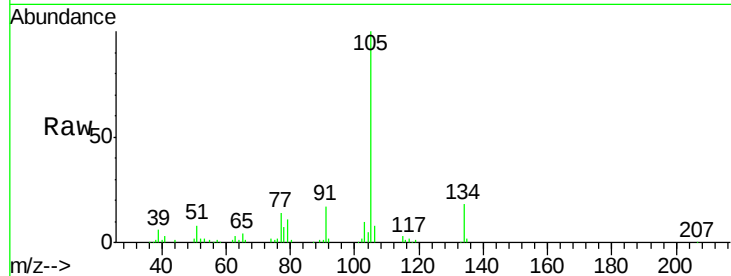
#81
 sec-Butylbenzene
 Concen: 5.144 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.5	0.0	36.2

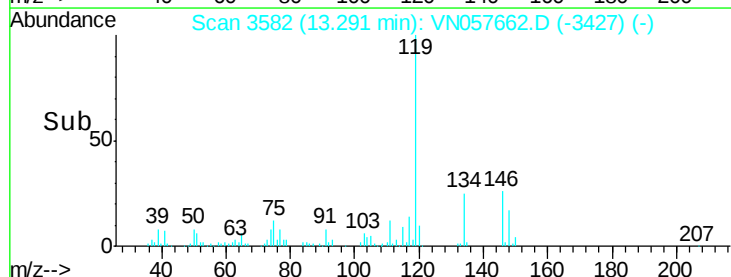
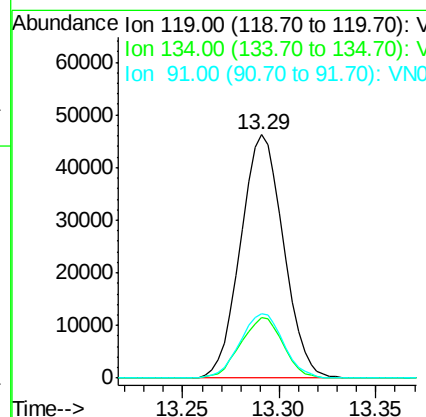
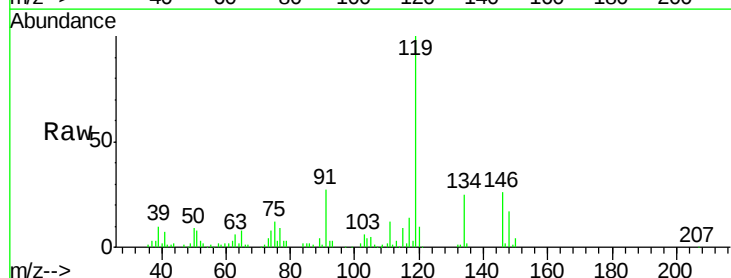
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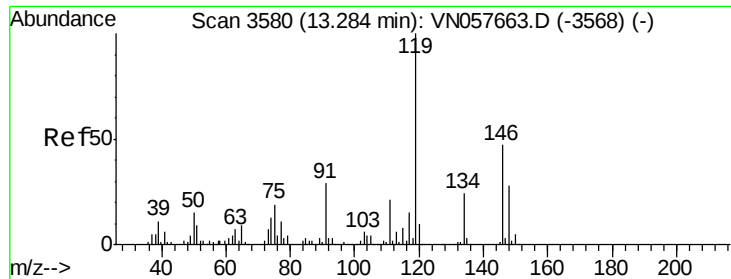
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#82
 p-Isopropyltoluene
 Concen: 5.003 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	0.0	49.6
91	26.8	0.0	56.2





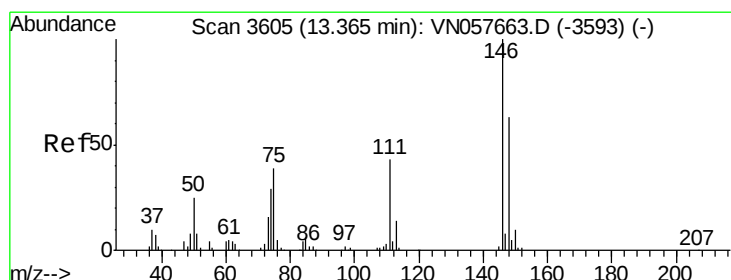
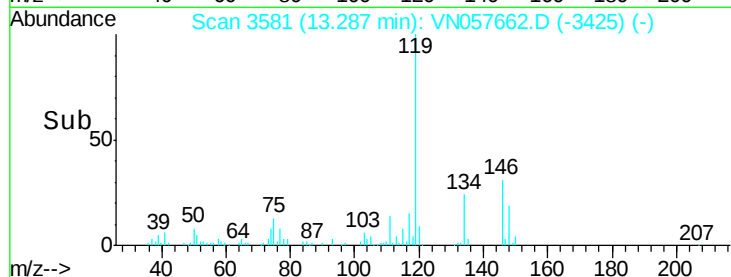
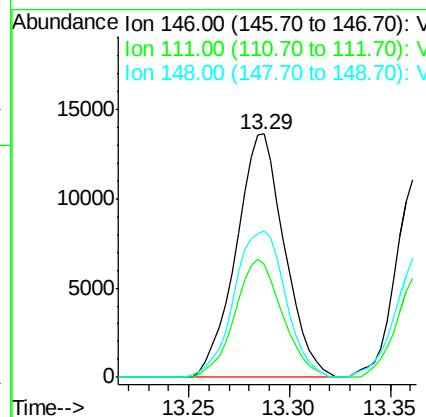
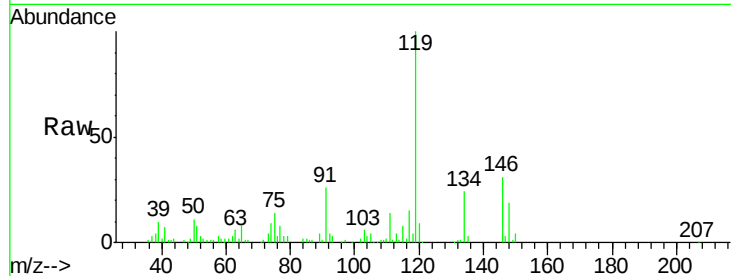
#83
 1,3-Dichlorobenzene
 Concen: 3.272 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	22.1	66.3
148	63.8	31.3	93.9

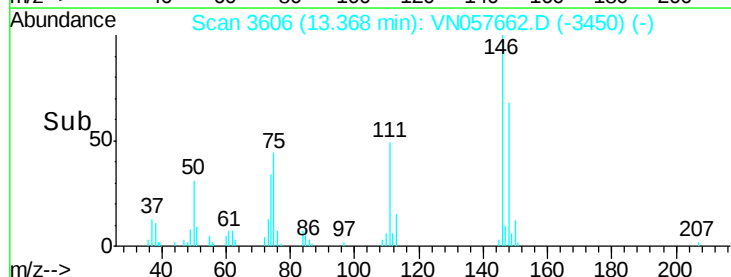
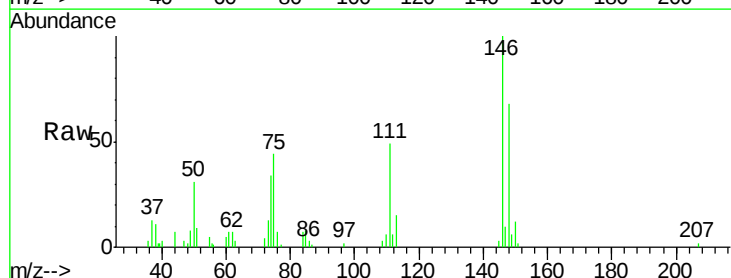
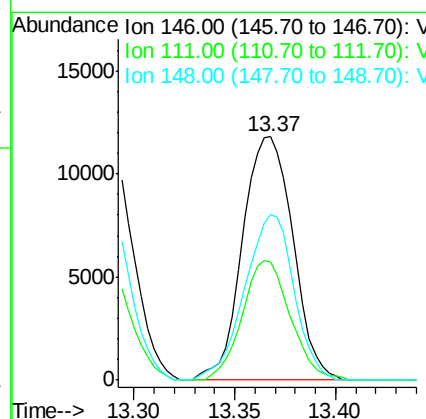
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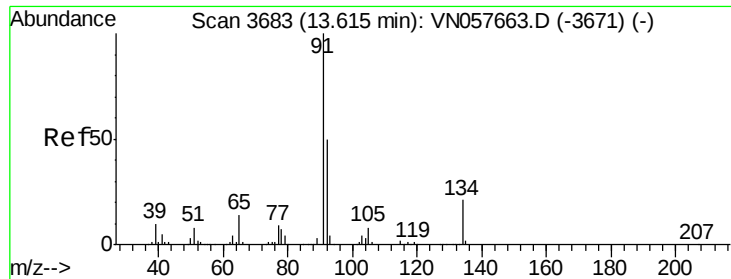
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#84
 1,4-Dichlorobenzene
 Concen: 3.095 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057662.D
 Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.9	21.3	63.9
148	66.4	31.0	93.0





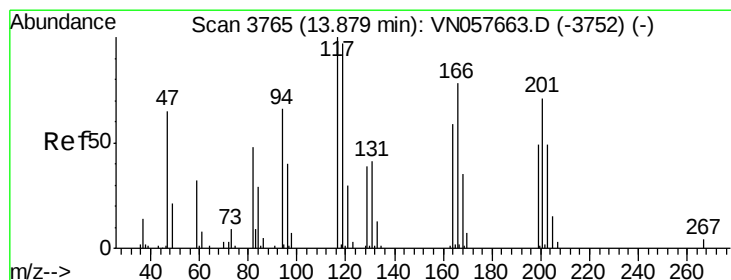
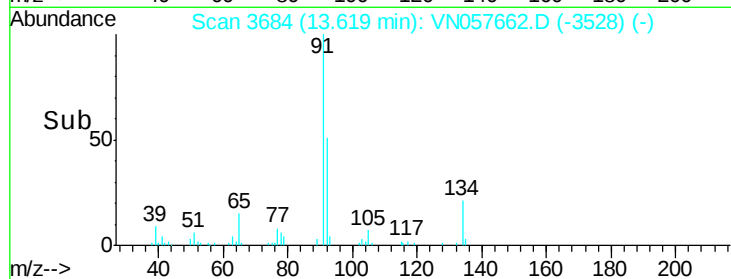
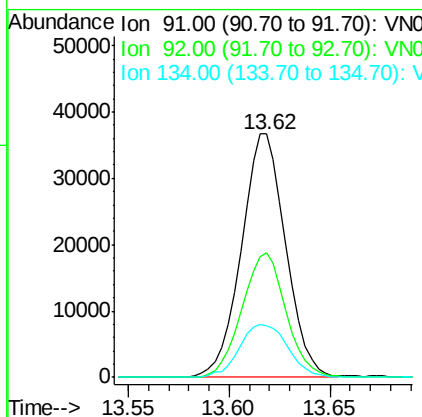
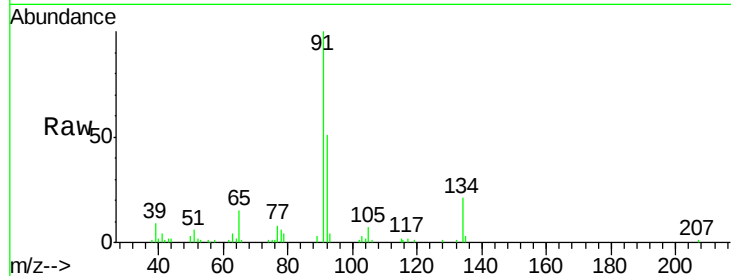
#85
n-Butylbenzene
Concen: 4.869 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	0.0	100.2
134	23.6	0.0	43.8

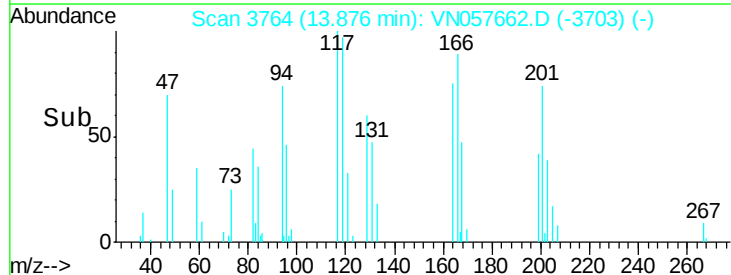
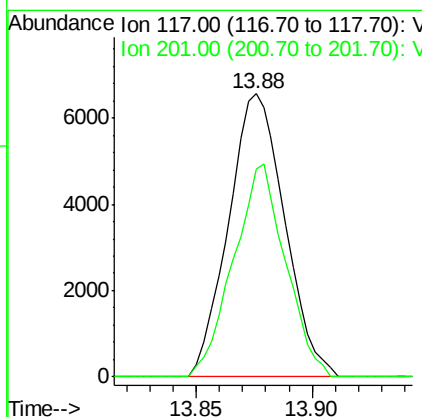
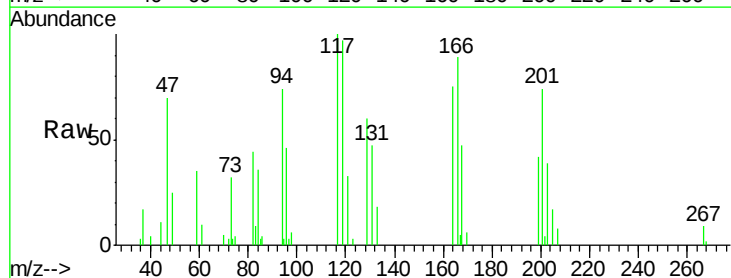
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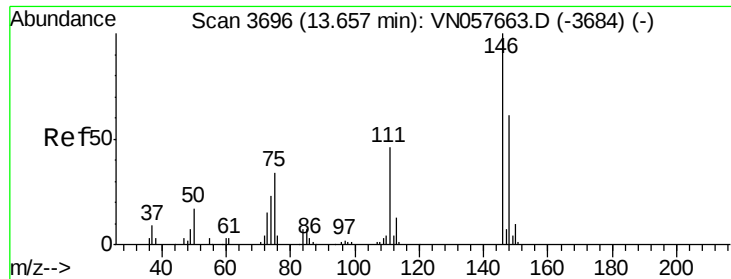
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#86
Hexachloroethane
Concen: 3.985 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057662.D
Acq: 3 Sep 2019 14:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.1	102.2





#87

1,2-Dichlorobenzene

Concen: 3.116 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

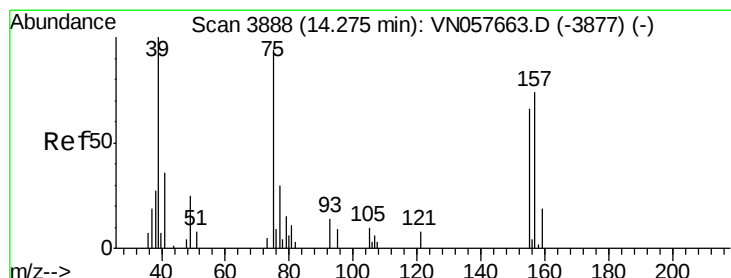
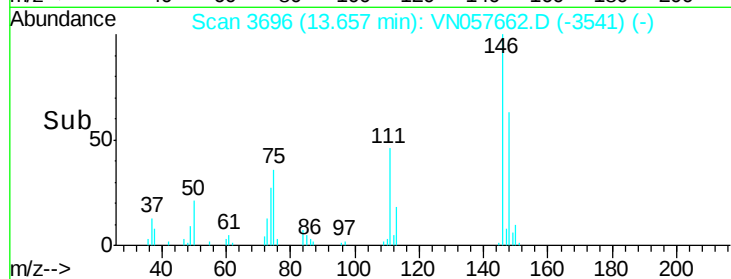
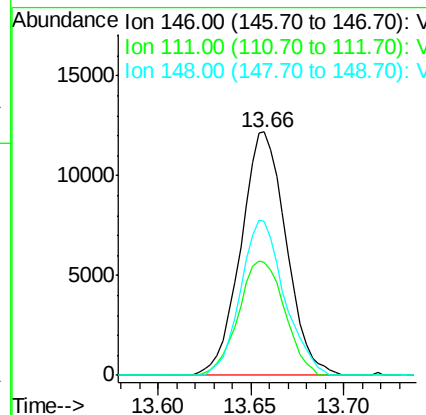
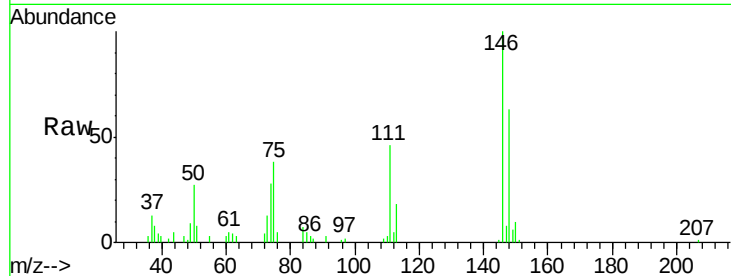
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	20712
Ion Ratio	Lower	Upper	
146	100		
111	47.6	22.6	67.7
148	61.2	31.3	93.9

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 3.648 ug/l

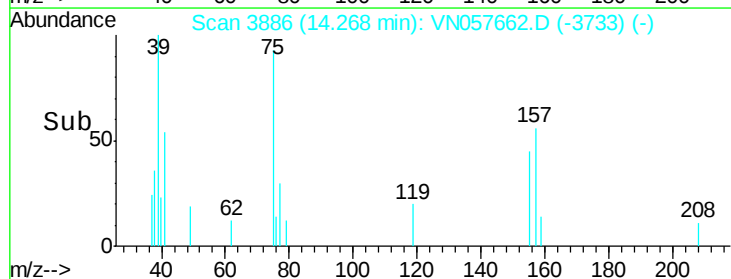
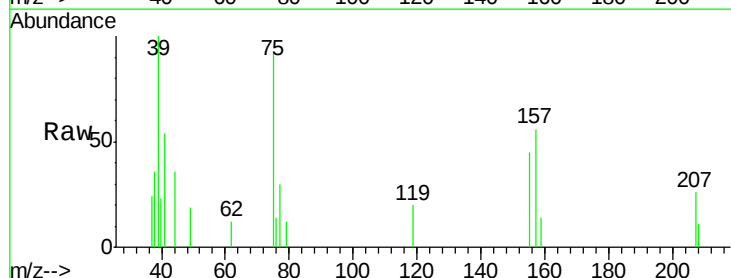
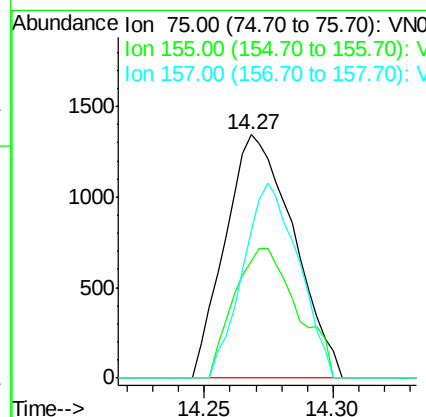
RT: 14.27 min Scan# 3886

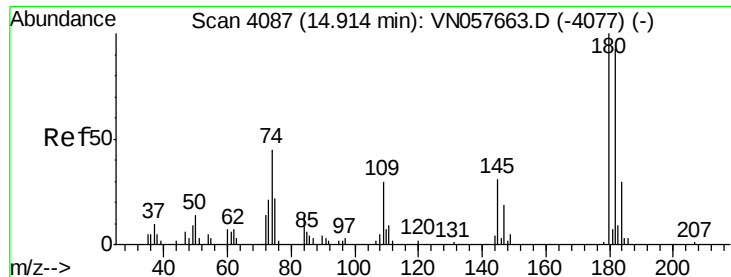
Delta R.T. -0.01 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion:	75	Resp:	2475
Ion Ratio	Lower	Upper	
75	100		
155	49.3	54.6	82.0#
157	65.4	65.5	98.3#





#89

1,2,4-Trichlorobenzene

Concen: 1.774 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

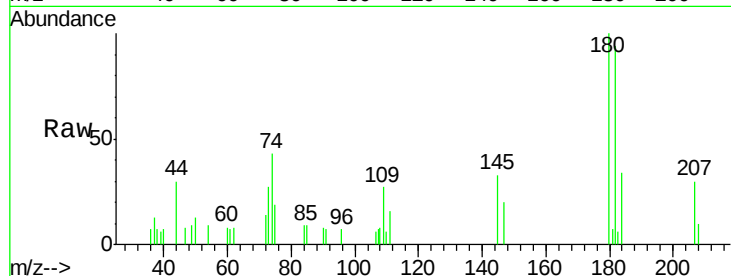
ClientSampleId :

VSTDIC005

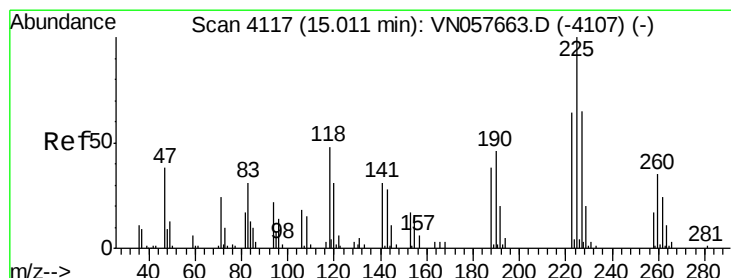
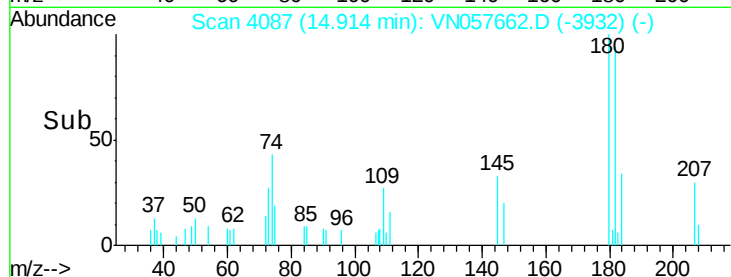
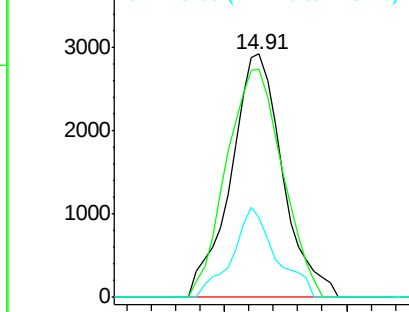
Tot Ion:	180	Resp:	4308
Ion Ratio	Lower	Upper	
180	100		
182	101.2	77.4	116.2
145	30.9	25.1	37.7

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Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



#90

Hexachlorobutadiene

Concen: 4.464 ug/l

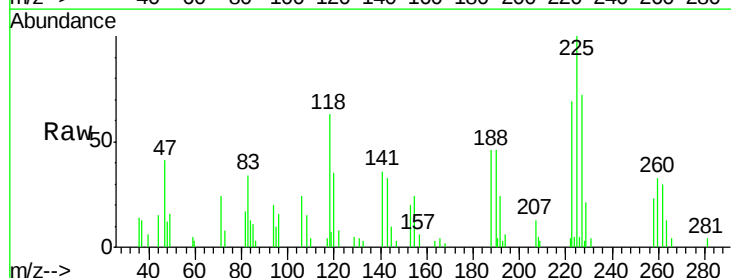
RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

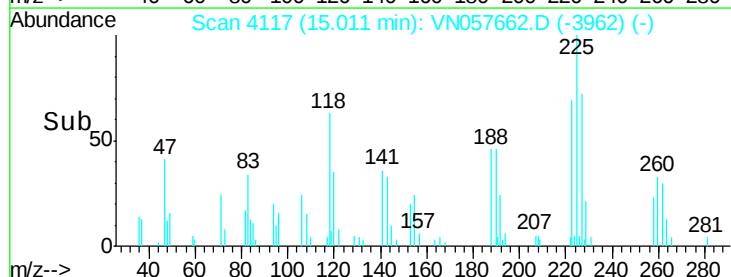
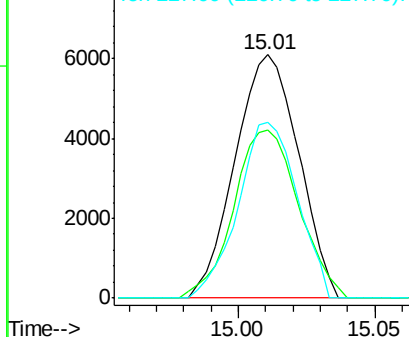
Lab File: VN057662.D

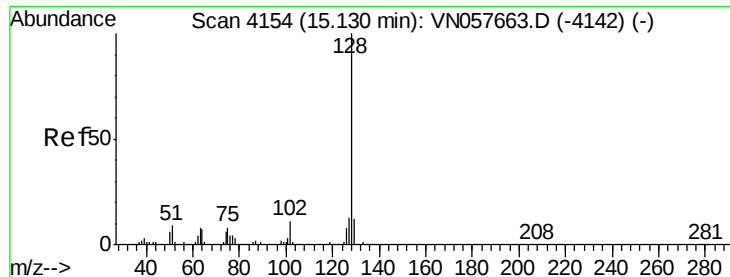
Acq: 3 Sep 2019 14:44

Tgt Ion:	225	Resp:	9860
Ion Ratio	Lower	Upper	
225	100		
223	70.5	0.0	131.0
227	67.3	0.0	128.6



Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 1.548 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Instrument :

MSVOA_N

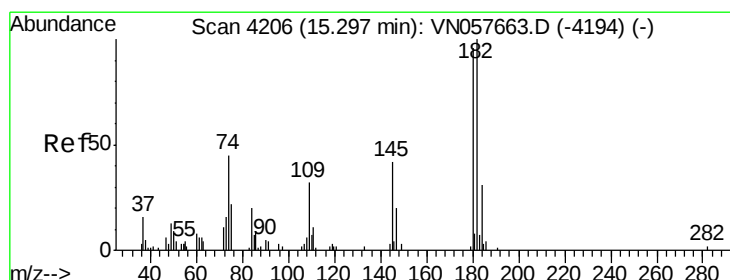
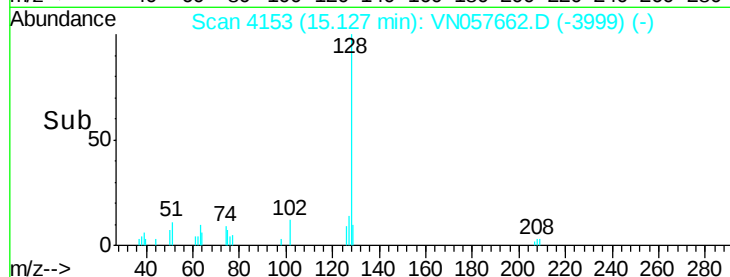
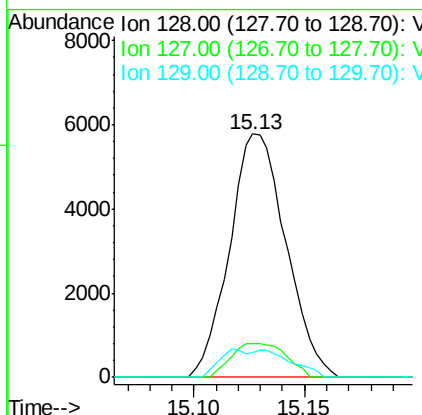
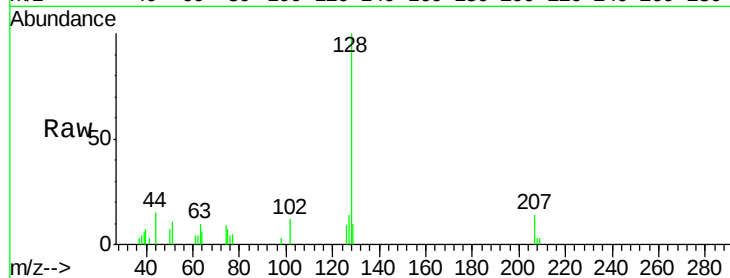
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	10249
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.3	15.5
129	5.5	9.1	13.7#

Manual Integrations
APPROVED

MMDadoda
9/5/2019 3:20:48 PM



#92

1,2,3-Trichlorobenzene

Concen: 1.827 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057662.D

Acq: 3 Sep 2019 14:44

Tgt Ion:	180	Resp:	4380
Ion Ratio	Lower	Upper	
180	100		
182	91.9	0.0	199.4
145	23.3	0.0	73.2

