

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049262.D
 Acq On : 15 Jun 2018 14:53
 Operator : MD\SY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:11 PM

Quant Time: Jun 15 15:53:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1481510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2186398	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1972217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	937142	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394856	16.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.02%	
35) Dibromofluoromethane	7.59	113	350038	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
50) Toluene-d8	10.09	98	1326974	18.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.70%	
62) 4-Bromofluorobenzene	12.40	95	418778	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	325879	15.27	ug/l	98
3) Chloromethane	2.06	50	409474	18.78	ug/l	98
4) Vinyl Chloride	2.18	62	434452	19.43	ug/l	98
5) Bromomethane	2.57	94	217193	16.11	ug/l	100
6) Chloroethane	2.71	64	268325	17.77	ug/l	96
7) Trichlorofluoromethane	3.02	101	562299	17.86	ug/l	100
8) Diethyl Ether	3.41	74	195845	16.75	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	355681	17.45	ug/l	93
10) Methyl Iodide	3.95	142	361425	18.24	ug/l	91
11) Tert butyl alcohol	4.80	59	105274	80.73	ug/l	97
12) 1,1-Dichloroethene	3.73	96	324602	17.54	ug/l	89
13) Acrolein	3.61	56	129379	72.87	ug/l	96
14) Allyl chloride	4.32	41	505359	14.54	ug/l	88
15) Acrylonitrile	4.99	53	553307	78.84	ug/l	99
16) Acetone	3.82	43	451599	79.01	ug/l	# 89
17) Carbon Disulfide	4.05	76	964349	15.28	ug/l	99
18) Methyl Acetate	4.33	43	276699	11.51	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	831456	16.49	ug/l	99
20) Methylene Chloride	4.55	84	378622	16.31	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	340827	16.61	ug/l	91
22) Diisopropyl ether	5.96	45	1054019	15.20	ug/l	98
23) Vinyl Acetate	5.90	43	3354630	73.17	ug/l	95
24) 1,1-Dichloroethane	5.85	63	656960	15.89	ug/l	99
25) 2-Butanone	6.84	43	610357	74.57	ug/l	96
26) 2,2-Dichloropropane	6.82	77	535440	17.27	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	382407	17.12	ug/l	93
28) Bromochloromethane	7.19	49	299562	15.27	ug/l	84
29) Tetrahydrofuran	7.22	42	393936	74.81	ug/l	95
30) Chloroform	7.37	83	657033	16.54	ug/l	99
31) Cyclohexane	7.65	56	570732	13.82	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	566790	16.57	ug/l	97
36) 1,1-Dichloropropene	7.79	75	489865	17.93	ug/l	98
37) Ethyl Acetate	6.93	43	277154	16.07	ug/l	98
38) Carbon Tetrachloride	7.77	117	506913	18.42	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	512622	18.17	ug/l	96
40) Benzene	8.04	78	1504341	18.18	ug/l	99
41) Methacrylonitrile	7.18	41	156334	16.02	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	459900	16.84	ug/l	96
43) Isopropyl Acetate	8.17	43	495544	15.63	ug/l	94
44) Trichloroethene	8.84	130	397840	19.25	ug/l	93
45) 1,2-Dichloropropane	9.12	63	396232	17.41	ug/l	100
46) Dibromomethane	9.21	93	228128	18.14	ug/l	90
47) Bromodichloromethane	9.40	83	497428	17.56	ug/l	96
48) Methyl methacrylate	9.20	41	240897	15.55	ug/l	87
49) 1,4-Dioxane	9.20	88	63862	349.06	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1337451	79.21	ug/l	94
52) Toluene	10.16	92	909057	18.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	471730	17.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	558409	17.89	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	333536	18.87	ug/l	98
56) Ethyl methacrylate	10.43	69	372142	17.47	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	549297	18.13	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	547454	79.31	ug/l	95
59) 2-Hexanone	10.75	43	839172	79.76	ug/l	93
60) Dibromochloromethane	10.90	129	364700	18.61	ug/l	100
61) 1,2-Dibromoethane	11.01	107	301333	18.44	ug/l	98
64) Tetrachloroethene	10.63	164	405603	20.53	ug/l	97
65) Chlorobenzene	11.44	112	983215	19.33	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	371756	19.21	ug/l	99
67) Ethyl Benzene	11.51	91	1650177	18.80	ug/l	98
68) m/p-Xylenes	11.62	106	1277126	39.79	ug/l	97
69) o-Xylene	11.95	106	609483	19.72	ug/l	95
70) Styrene	11.97	104	965743	19.73	ug/l	98
71) Bromoform	12.13	173	238378	19.71	ug/l #	98
73) Isopropylbenzene	12.25	105	1620018	18.00	ug/l	98
74) N-amyl acetate	12.07	43	363518	14.18	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	379718	16.53	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	330736m	18.09	ug/l	
77) Bromobenzene	12.53	156	402315	18.21	ug/l	91
78) n-propylbenzene	12.59	91	1801512	18.02	ug/l	99
79) 2-Chlorotoluene	12.68	91	1118142	17.73	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1328366	19.25	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	93675	16.70	ug/l	94
82) 4-Chlorotoluene	12.78	91	1094889	18.30	ug/l	97
83) tert-Butylbenzene	12.99	119	1111466	18.69	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1337384	19.50	ug/l	98
85) sec-Butylbenzene	13.17	105	1484522	18.73	ug/l	98
86) p-Isopropyltoluene	13.29	119	1248062	19.44	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	686922	19.51	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	657319	18.95	ug/l	100
89) n-Butylbenzene	13.62	91	900080	18.16	ug/l	98
90) Hexachloroethane	13.88	117	258268	17.07	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	680112	19.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	52385	16.73	ug/l	87

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 15 15:46:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	214892	16.91	ug/l	99
94) Hexachlorobutadiene	15.01	225	216306	20.65	ug/l	98
95) Naphthalene	15.14	128	411229	14.86	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	234935	17.17	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

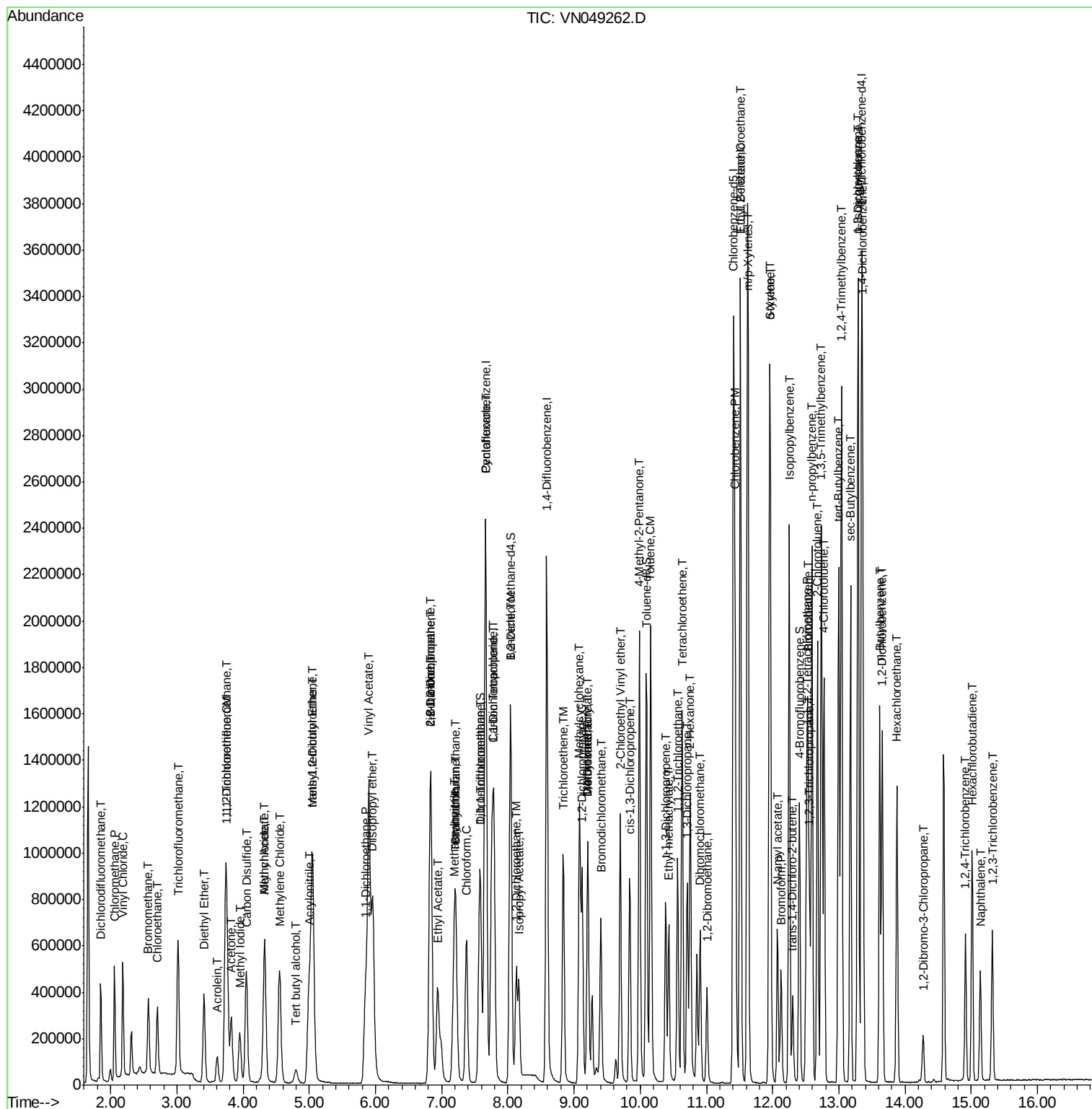
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Data File : VN049262.D
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Operator : MD\SY
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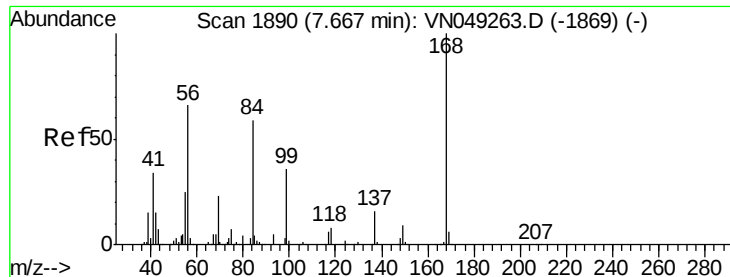
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 1481510

Ion Ratio Lower Upper

168 100

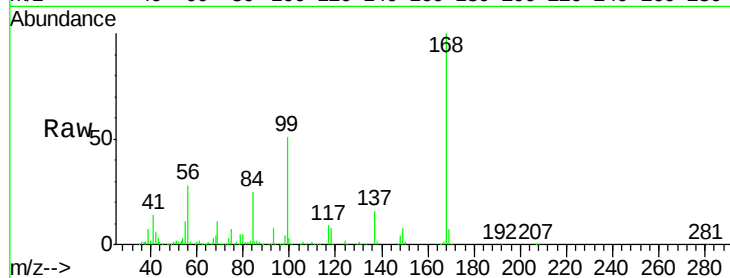
99 51.0 45.8 68.6

Manual Integrations

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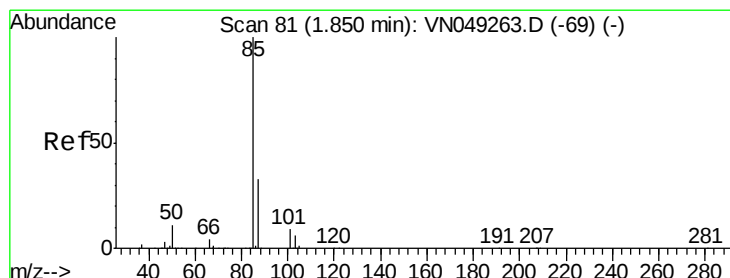
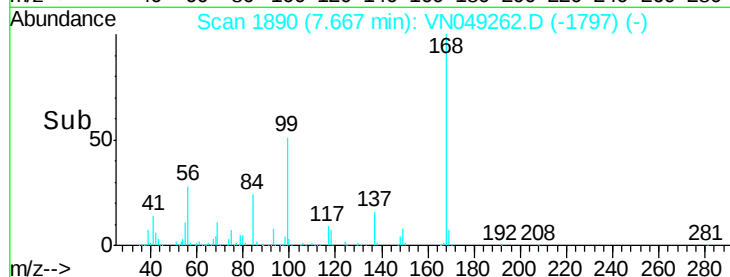
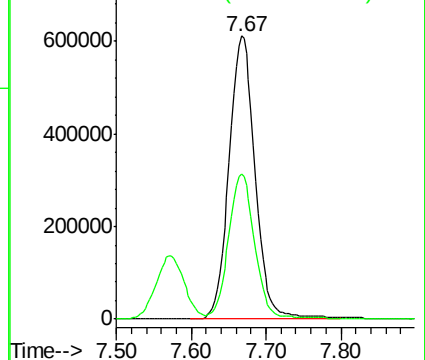
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.27 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049262.D

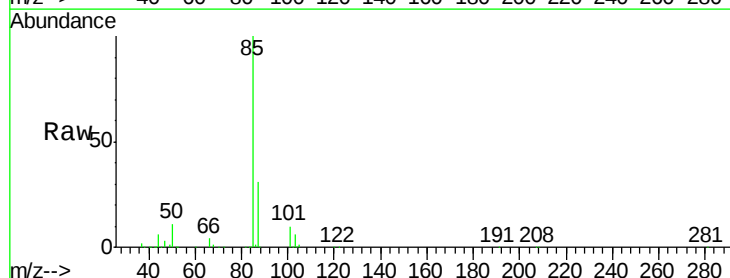
Acq: 15 Jun 2018 14:53

Tgt Ion: 85 Resp: 325879

Ion Ratio Lower Upper

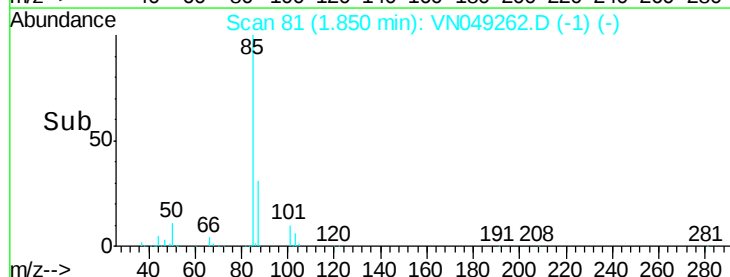
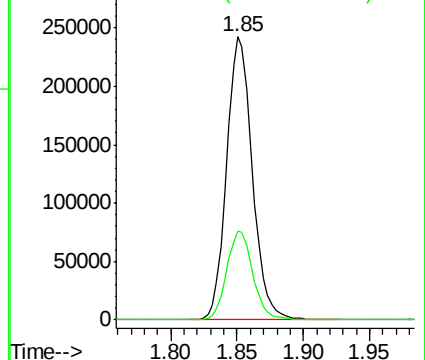
85 100

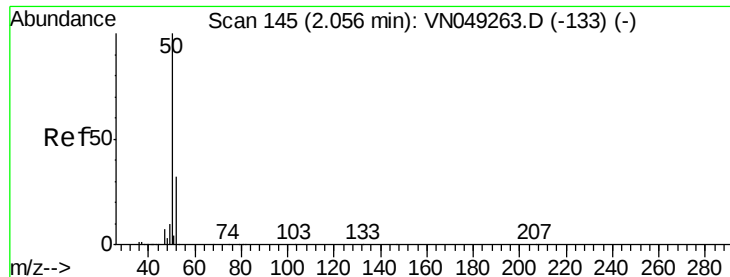
87 31.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





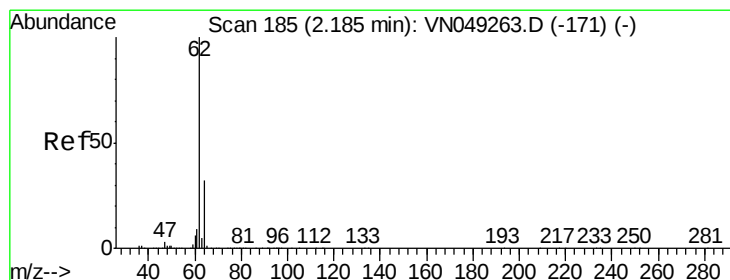
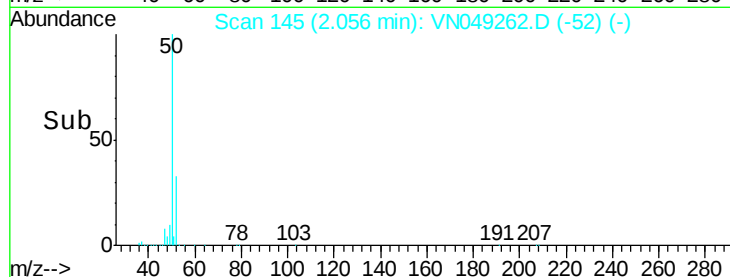
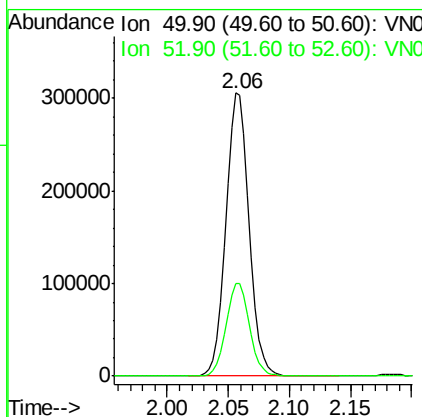
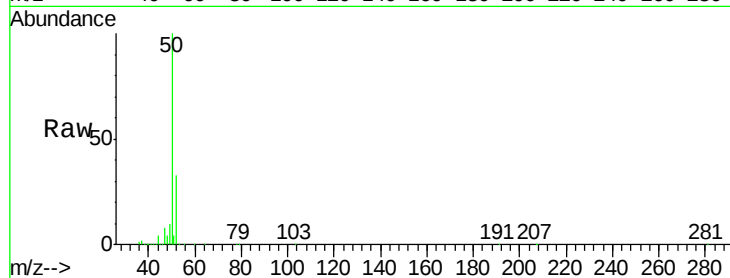
#3
Chloromethane
Concen: 18.78 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.2	37.8

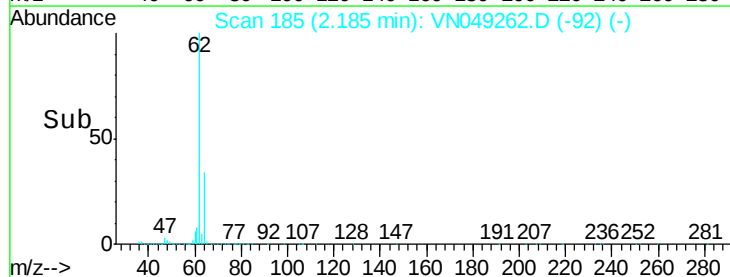
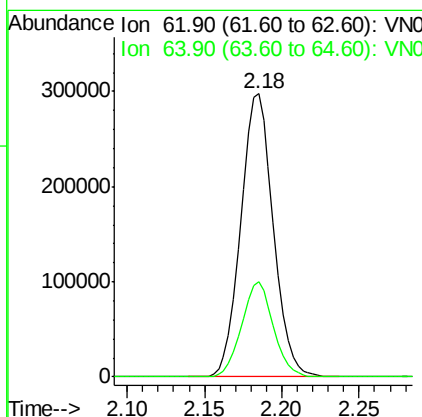
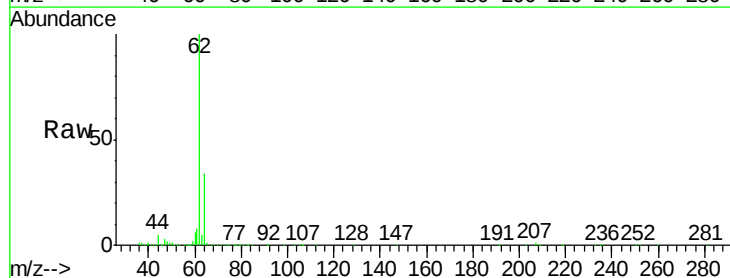
Manual Integrations
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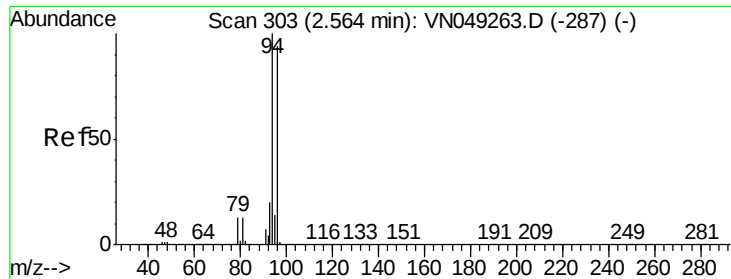
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#4
Vinyl Chloride
Concen: 19.43 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.5	25.7	38.5





#5

Bromomethane

Concen: 16.11 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 217193

Ion Ratio Lower Upper

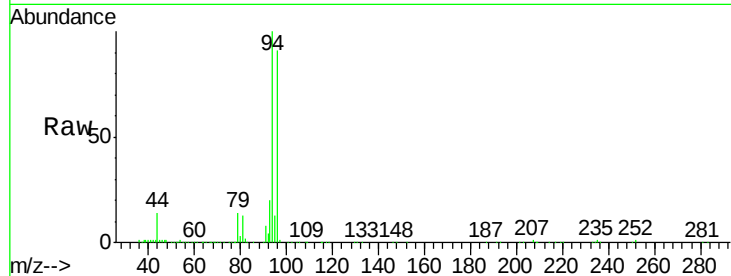
94 100

96 90.6 72.8 109.2

Manual Integrations
APPROVED

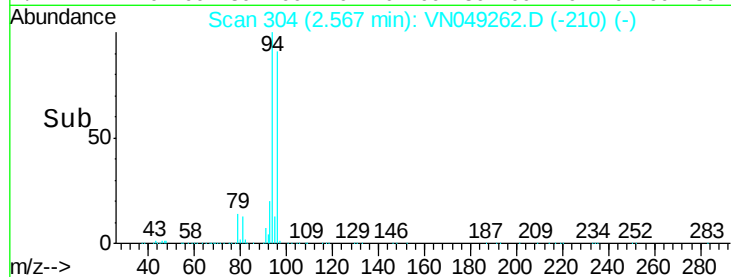
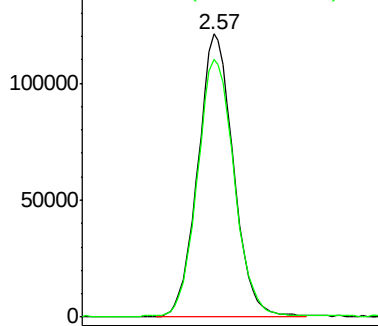
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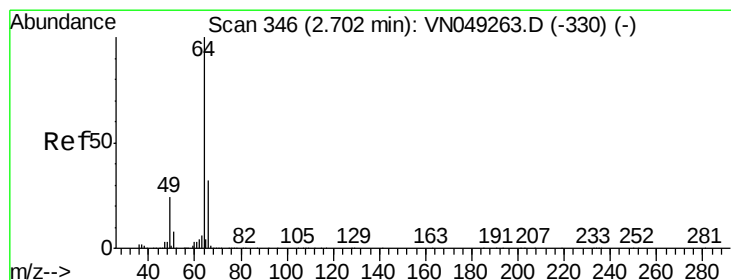


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 17.77 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049262.D

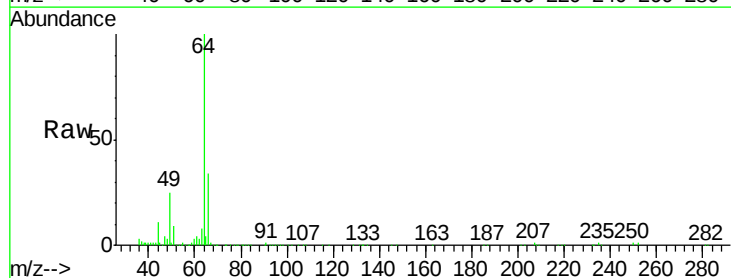
Acq: 15 Jun 2018 14:53

Tgt Ion: 64 Resp: 268325

Ion Ratio Lower Upper

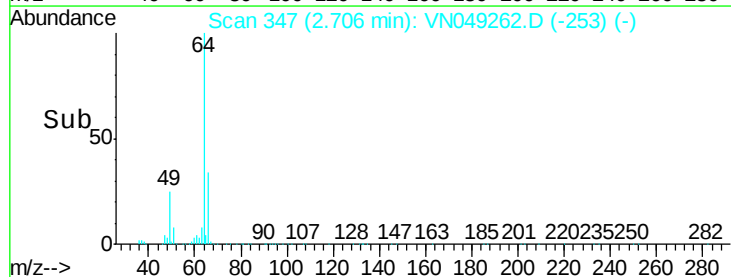
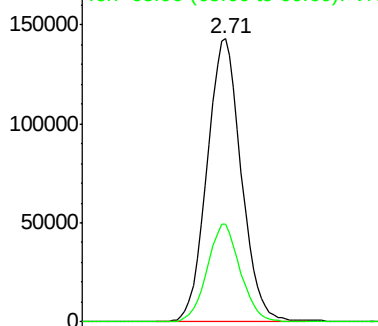
64 100

66 34.3 25.6 38.4

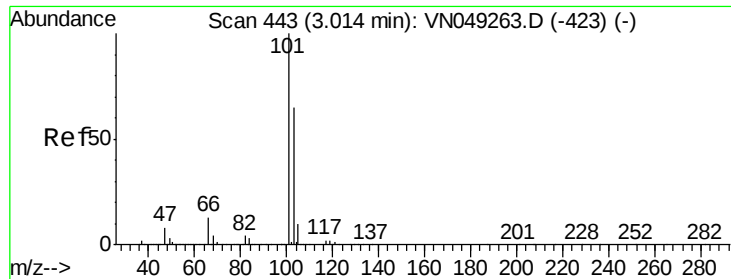


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



#7

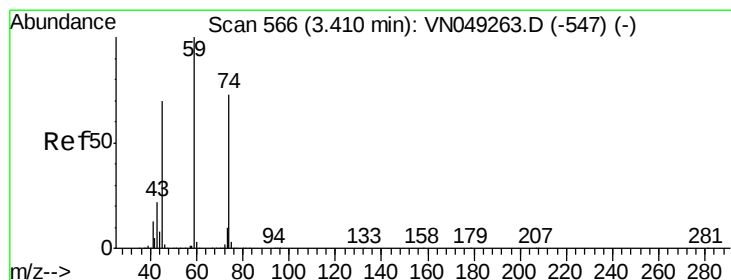
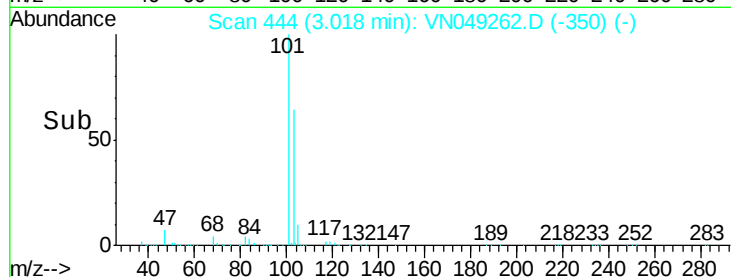
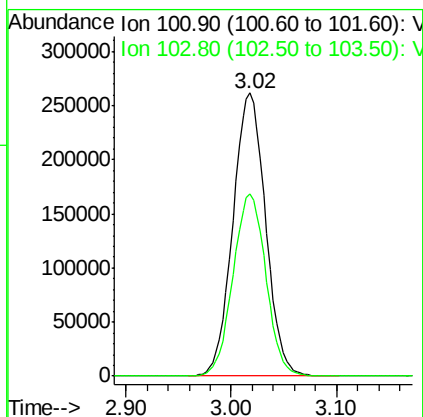
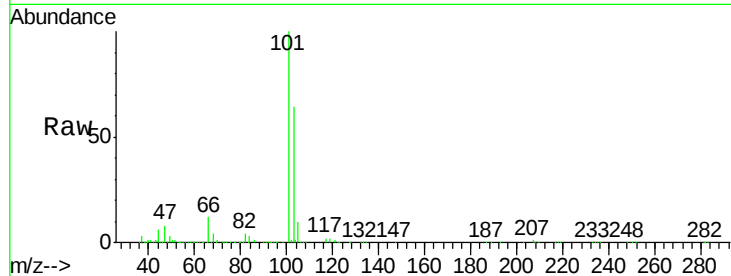
Trichlorofluoromethane
Concen: 17.86 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.7	77.5

Manual Integrations
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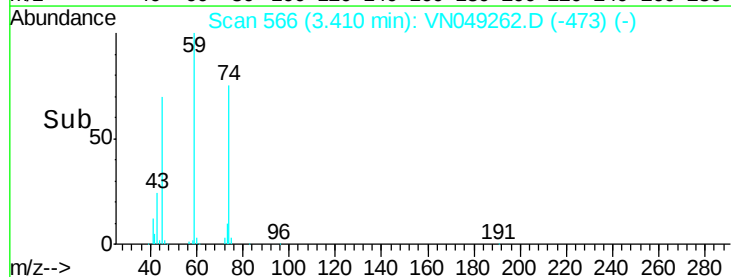
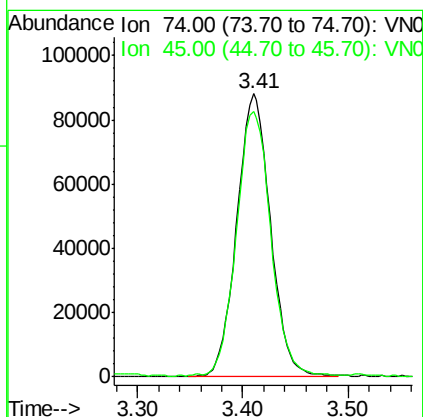
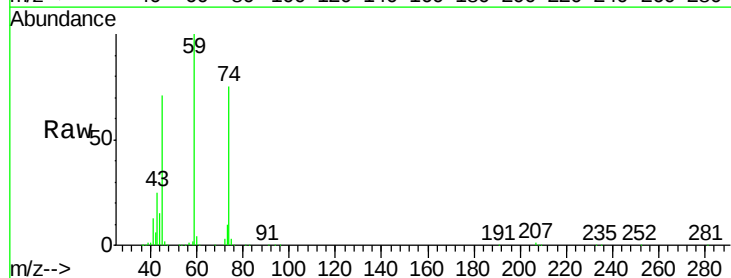
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#8

Diethyl Ether
Concen: 16.75 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.45 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

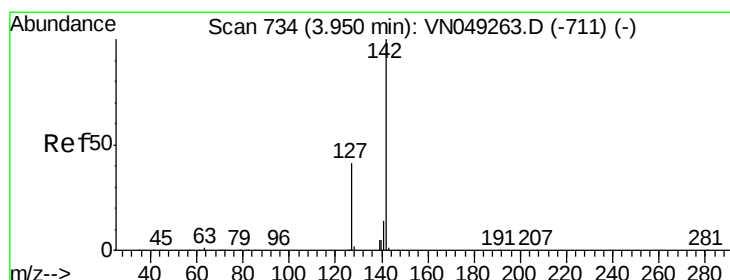
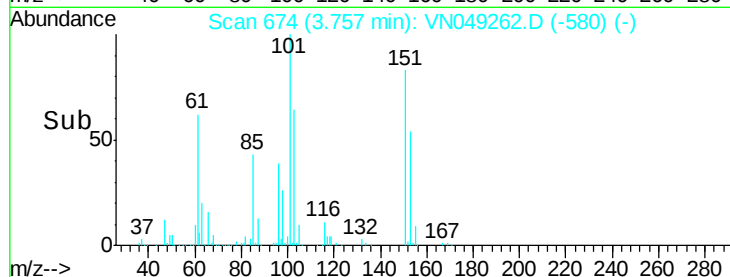
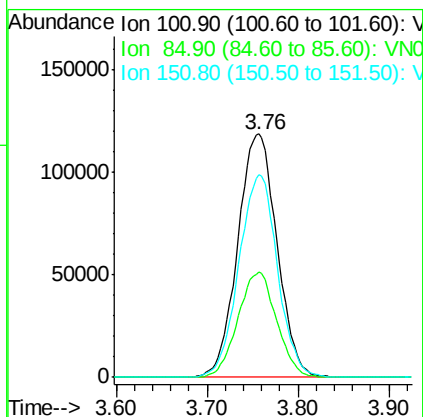
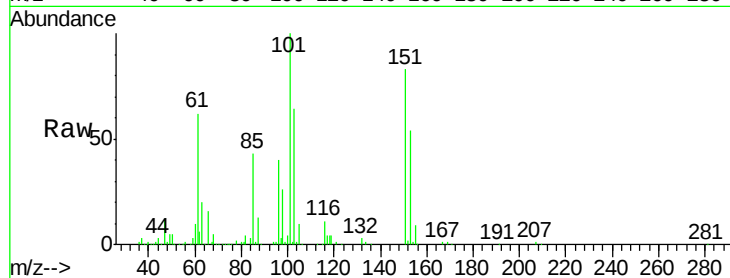
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	355681
Ion Ratio	Lower	Upper	
101	100		
85	42.5	37.6	56.4
151	82.2	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.24 ug/l

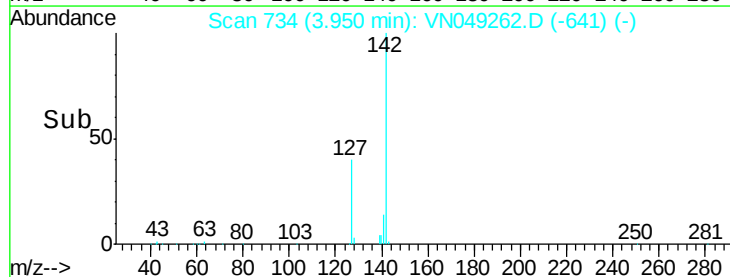
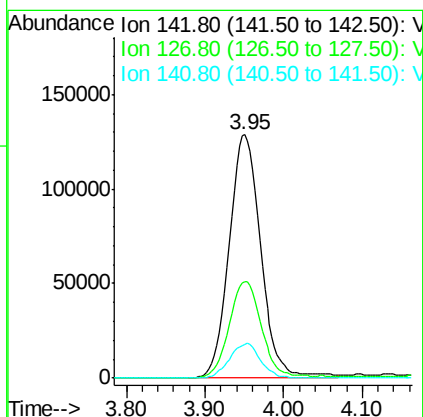
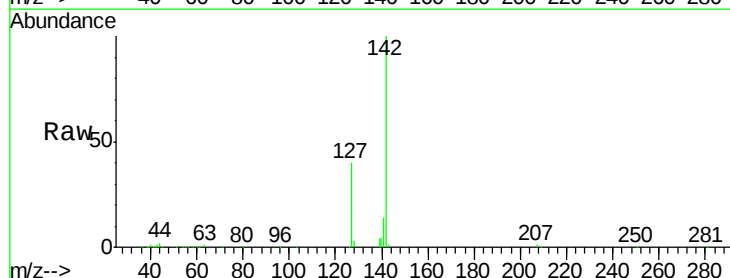
RT: 3.95 min Scan# 734

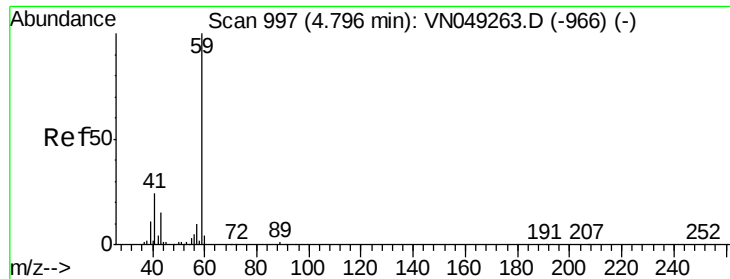
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	142	Resp:	361425
Ion Ratio	Lower	Upper	
142	100		
127	40.7	38.2	57.4
141	13.8	11.9	17.9





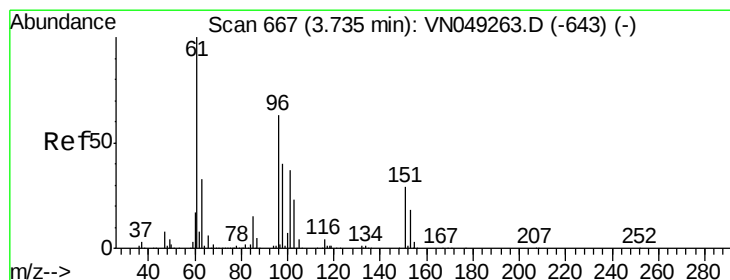
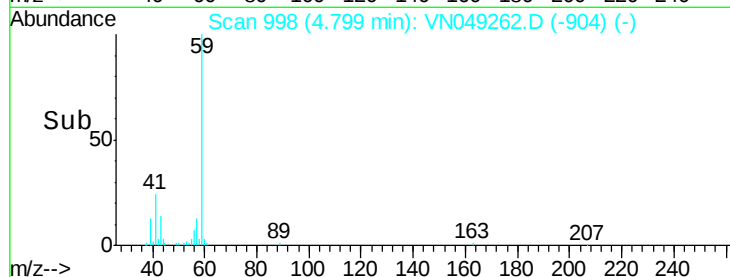
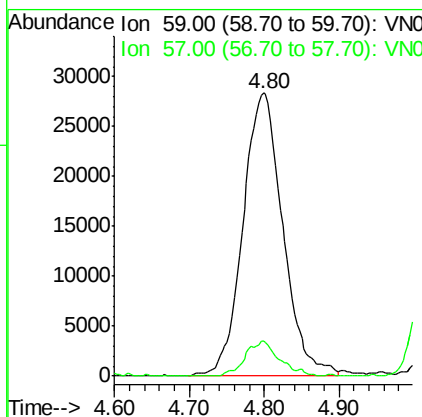
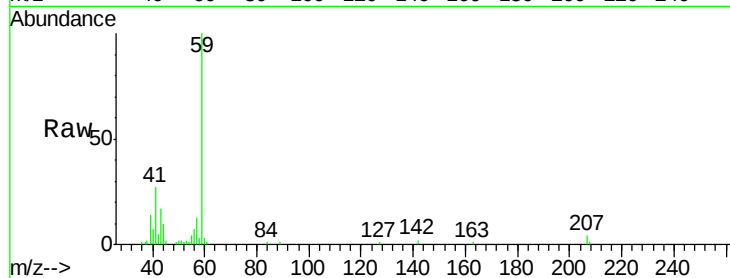
#11
Tert butyl alcohol
Concen: 80.73 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	59	Resp	105274
Ion Ratio	59	100	
Lower	57	10.1	9.0
Upper			13.6

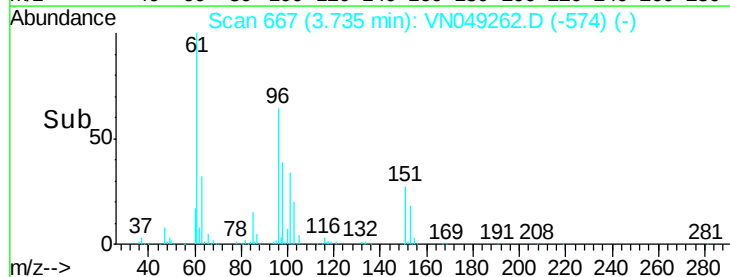
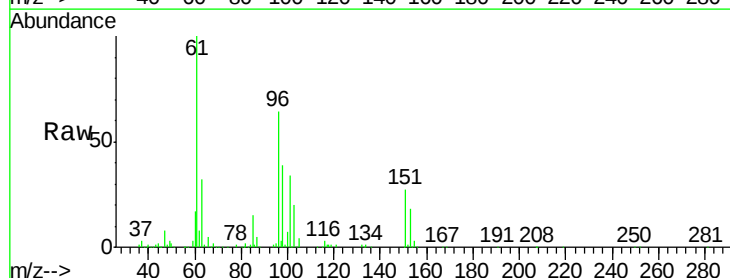
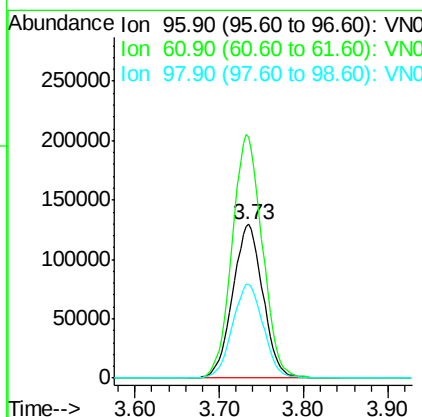
Manual Integrations
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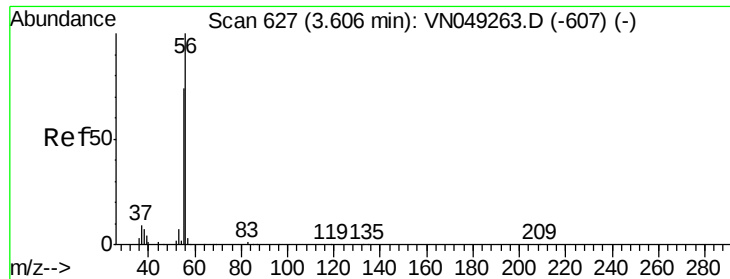
MMDadoda
6/18/2018 3:16:11 PM



#12
1,1-Dichloroethene
Concen: 17.54 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	96	Resp	324602
Ion Ratio	96	100	
Lower	61	156.9	141.0
Upper	98	61.4	50.4





#13

Acrolein

Concen: 72.87 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 129379

Ion Ratio Lower Upper

56 100

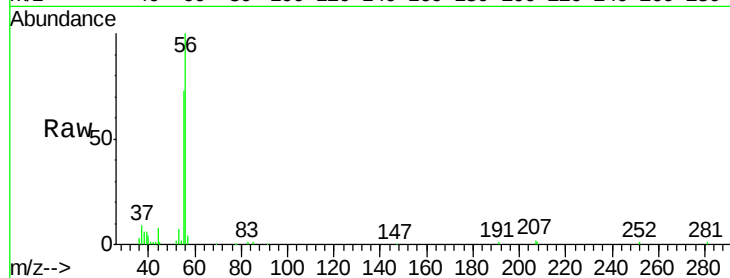
55 75.1 57.1 85.7

Manual Integrations

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MMDadoda

6/18/2018 3:16:11 PM

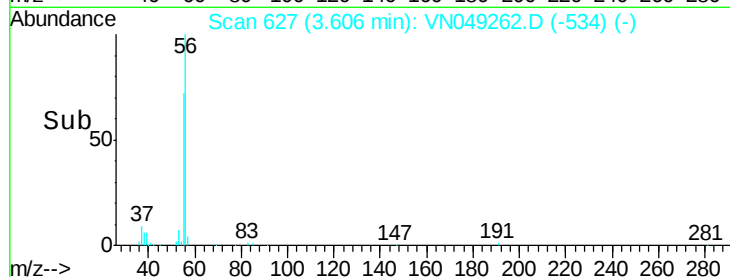


Abundance Ion 56.00 (55.70 to 56.70): VN049262.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049262.D (-534) (-)

3.61

Time-->

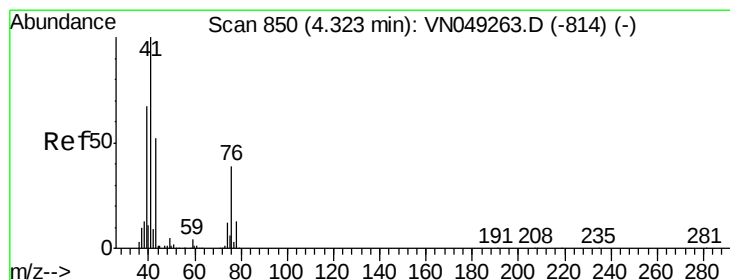


Abundance Ion 56.00 (55.70 to 56.70): VN049262.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049262.D (-534) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 14.54 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

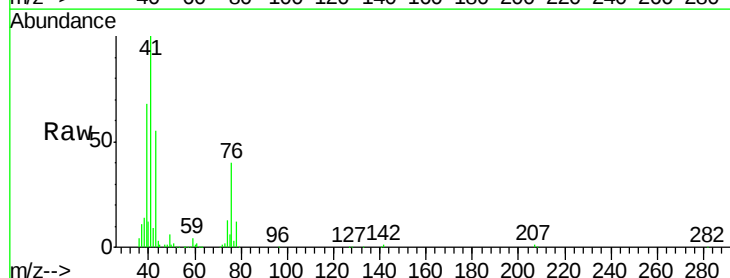
Tgt Ion: 41 Resp: 505359

Ion Ratio Lower Upper

41 100

39 65.4 62.5 93.7

76 37.8 27.1 40.7



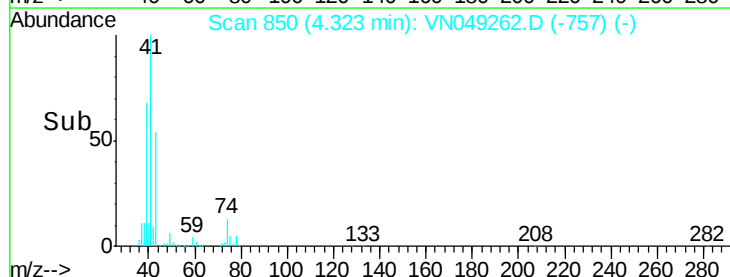
Abundance Ion 41.00 (40.70 to 41.70): VN049262.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049262.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049262.D (-757) (-)

4.32

Time-->



Abundance Ion 41.00 (40.70 to 41.70): VN049262.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049262.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049262.D (-757) (-)

4.32

Time-->



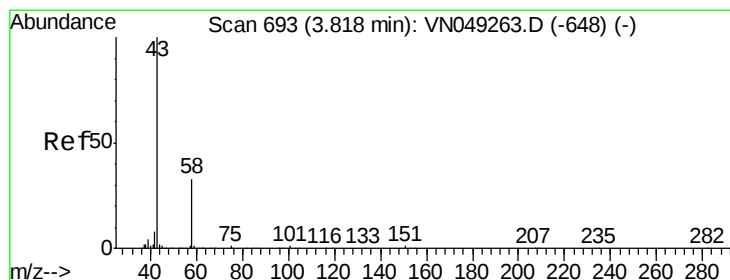
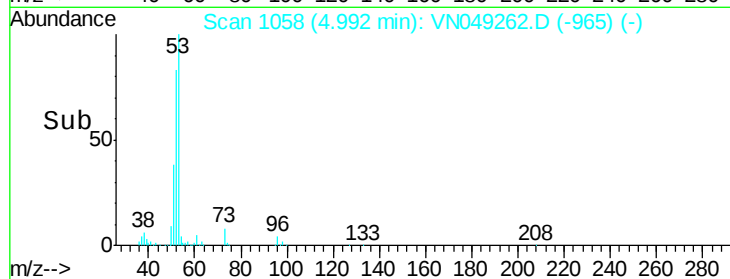
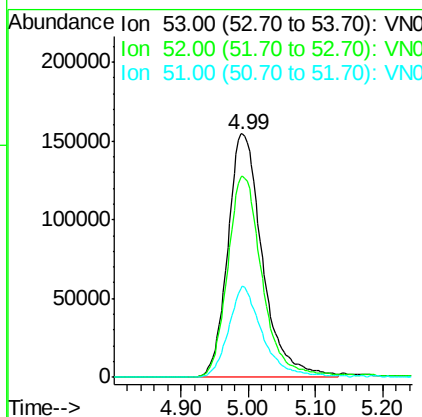
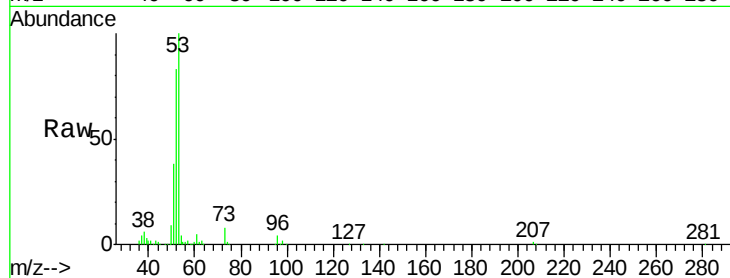
#15
 Acrylonitrile
 Concen: 78.84 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	36.1	29.8	44.8

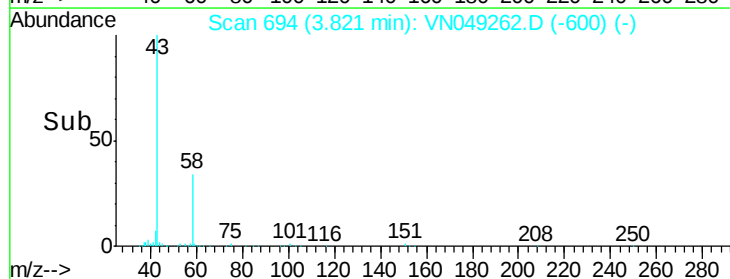
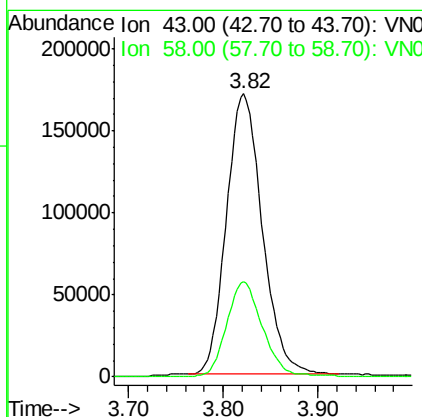
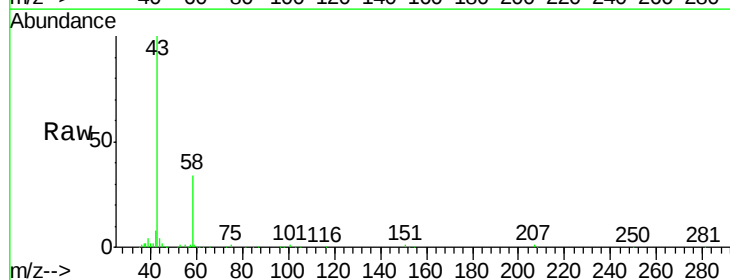
Manual Integrations
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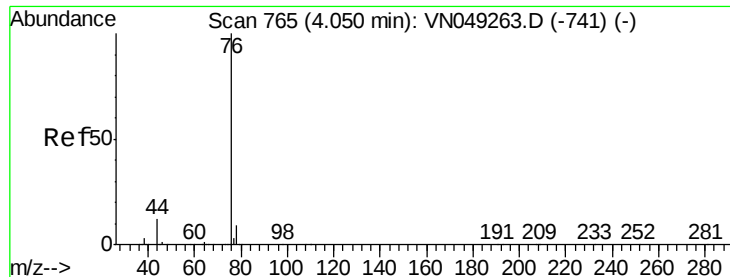
MMDadoda
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#16
 Acetone
 Concen: 79.01 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	22.4	33.6#





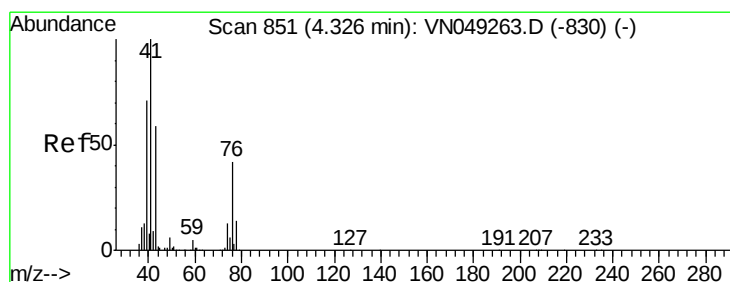
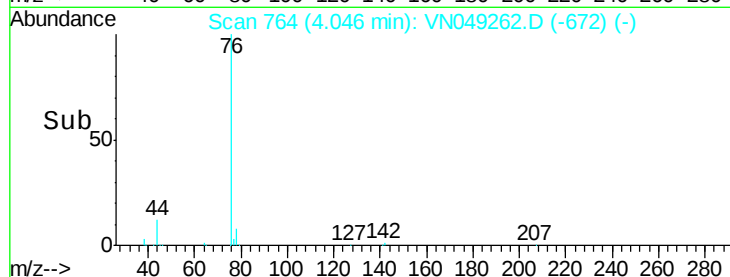
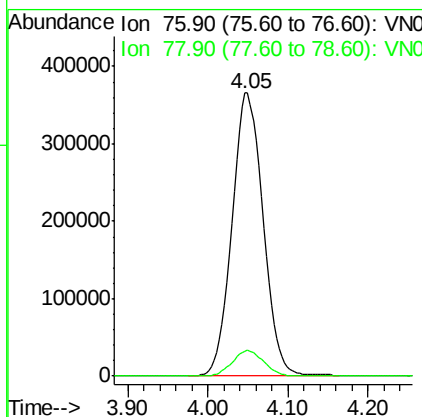
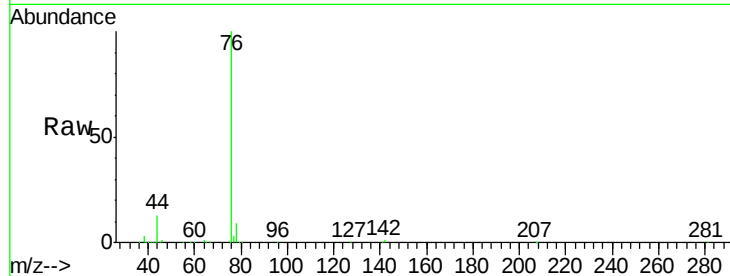
#17
Carbon Disulfide
Concen: 15.28 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

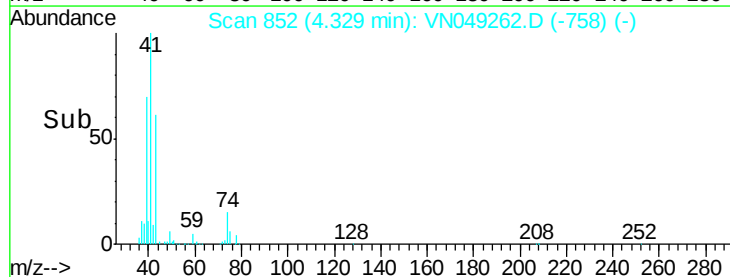
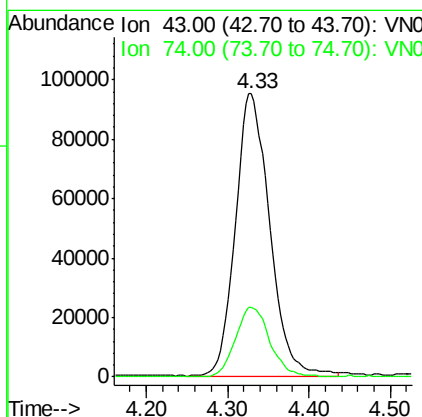
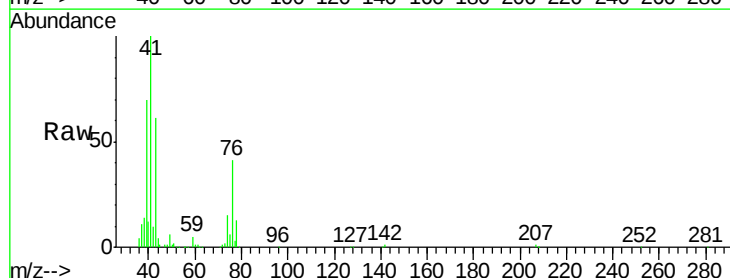
Manual Integrations
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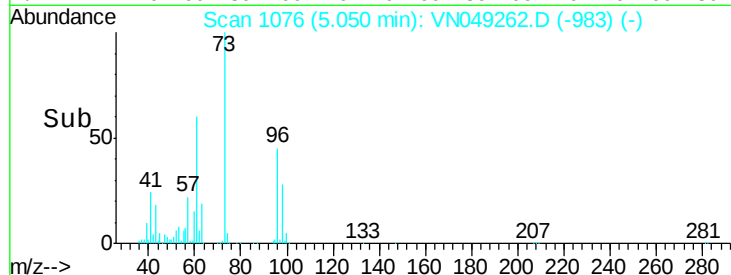
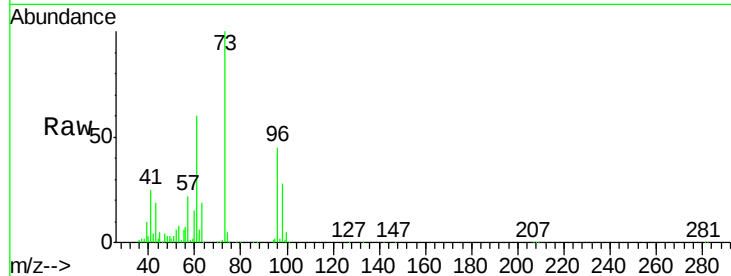
MMDadoda
6/18/2018 3:16:11 PM



#18
Methyl Acetate
Concen: 11.51 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	17.4	26.0





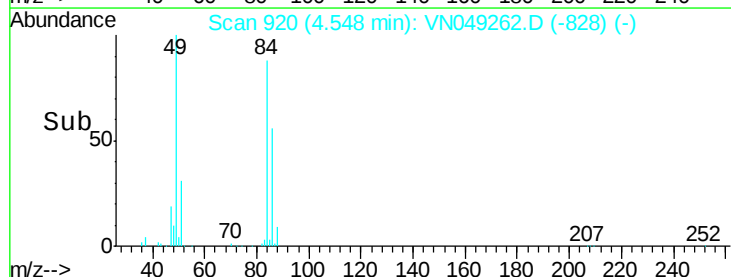
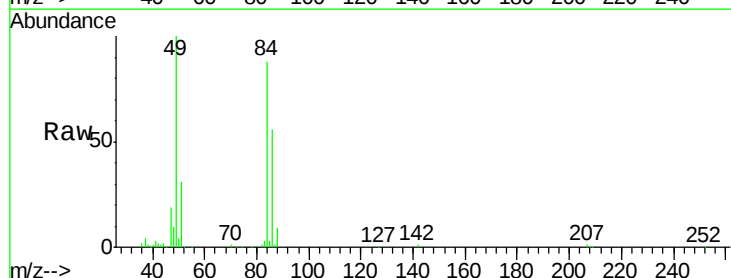
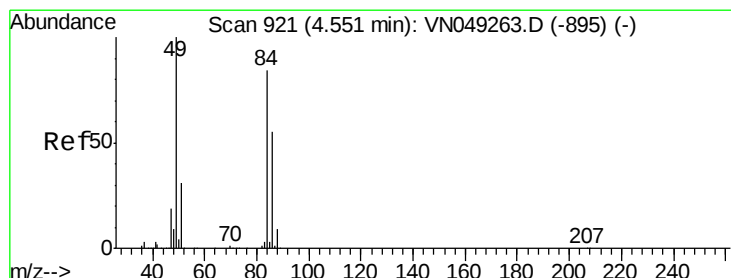
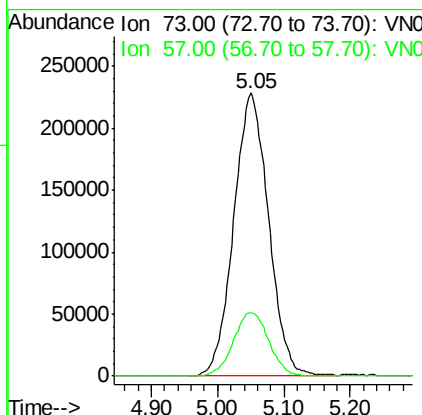
#19
Methvl tert-butvl Ether
Concen: 16.49 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tot Ion: 73 Resp: 831456
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

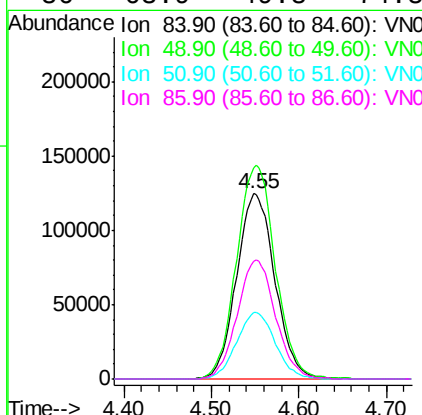
Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:11 PM



#20
Methylene Chloride
Concen: 16.31 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion: 84 Resp: 378622
Ion Ratio Lower Upper
84 100
49 114.0 106.9 160.3
51 35.7 32.7 49.1
86 63.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.61 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

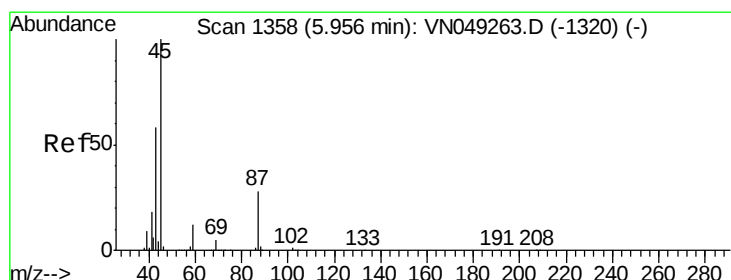
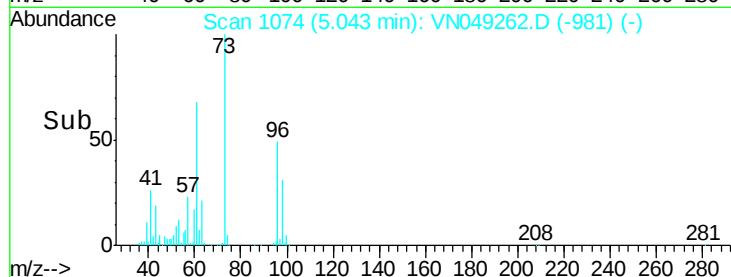
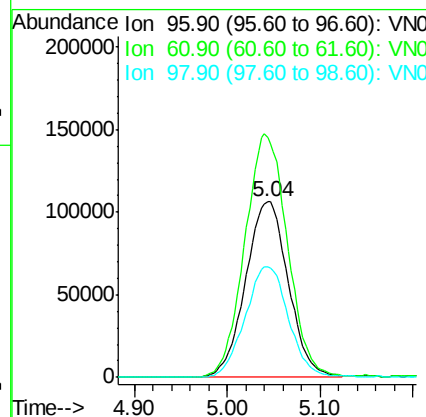
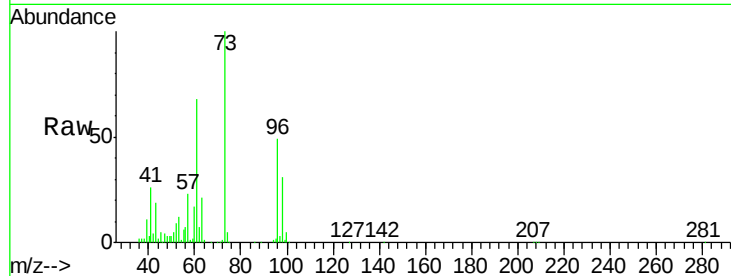
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	340827
Ion	Ratio	Lower	Upper
96	100		
61	136.7	121.3	181.9
98	63.3	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 15.20 ug/l

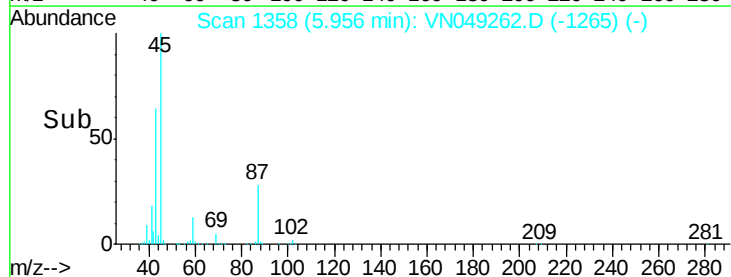
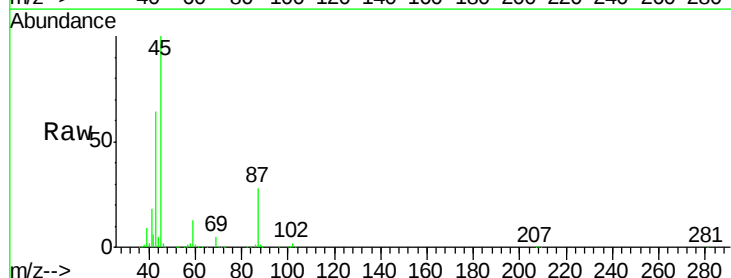
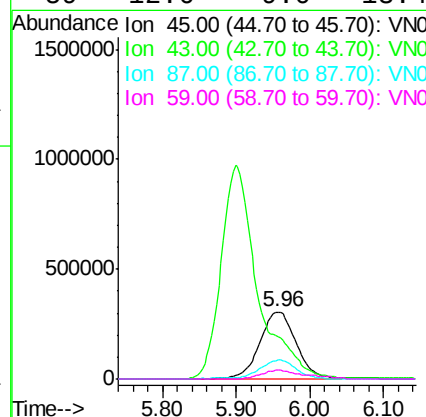
RT: 5.96 min Scan# 1358

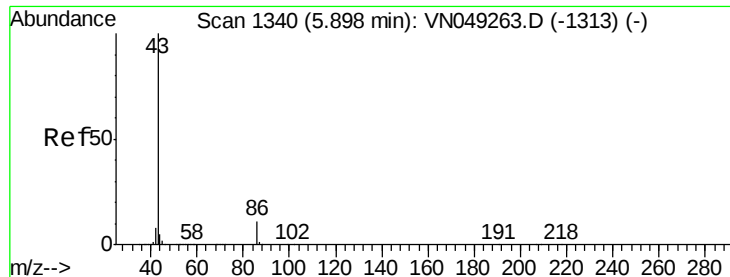
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	45	Resp:	1054019
Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.6	72.8
87	27.5	20.2	30.2
59	12.6	9.0	13.4





#23

Vinyl Acetate

Concen: 73.17 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 3354630

Ion Ratio Lower Upper

43 100

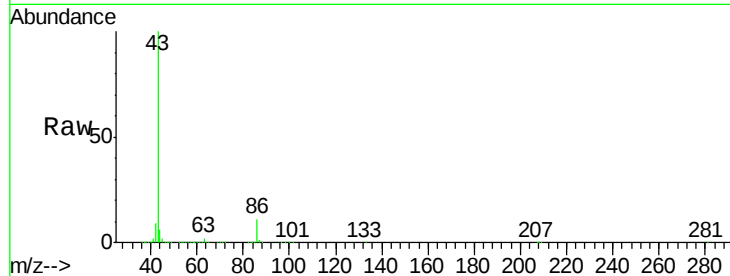
86 10.8 7.2 10.8

Manual Integrations

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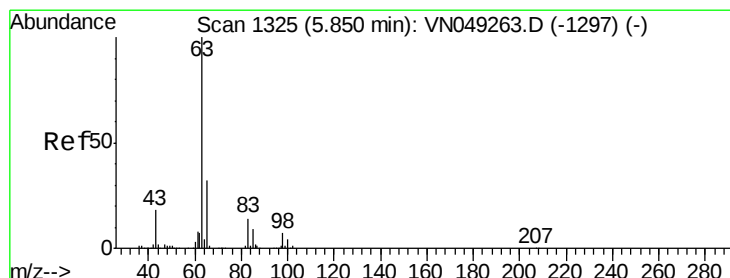
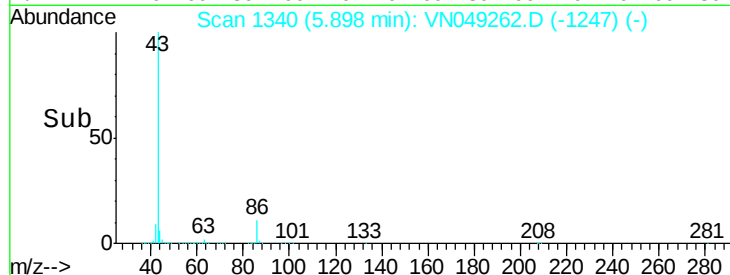
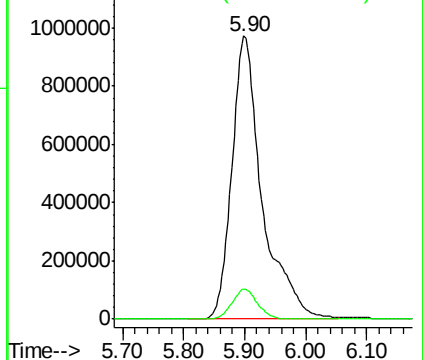
MMDadoda

6/18/2018 3:16:11 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 15.89 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

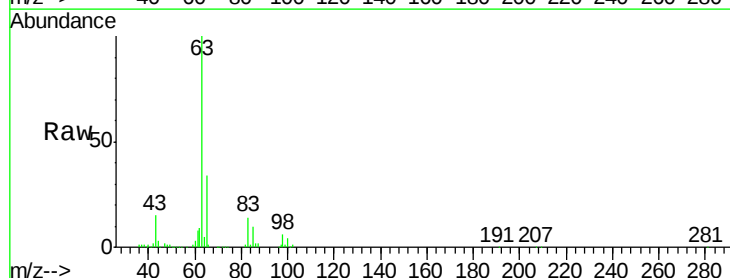
Tgt Ion: 63 Resp: 656960

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

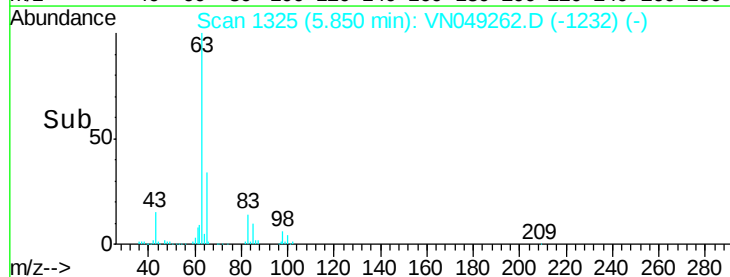
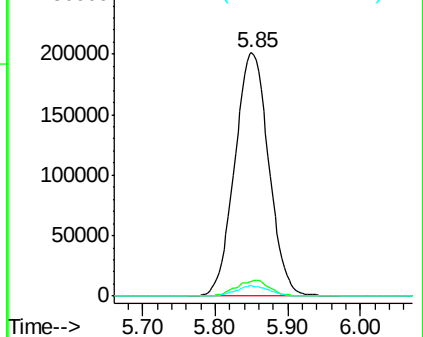
100 4.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





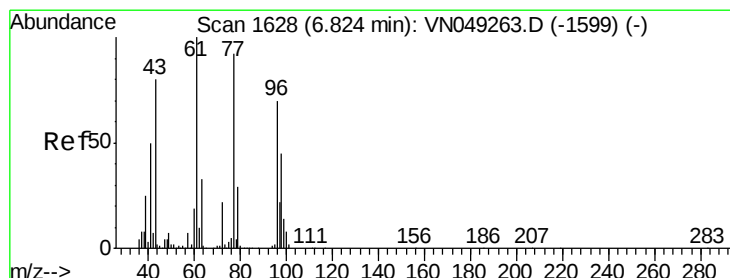
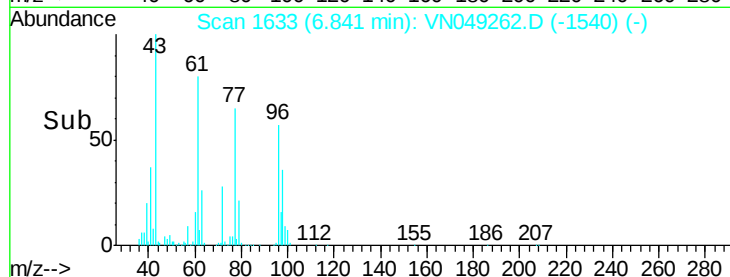
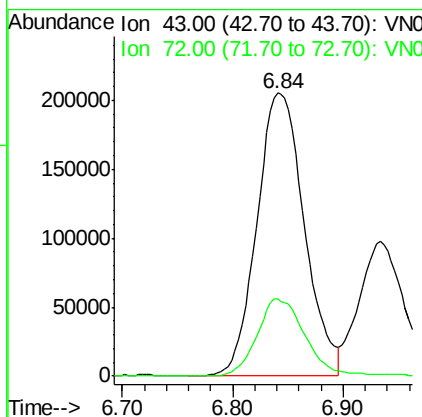
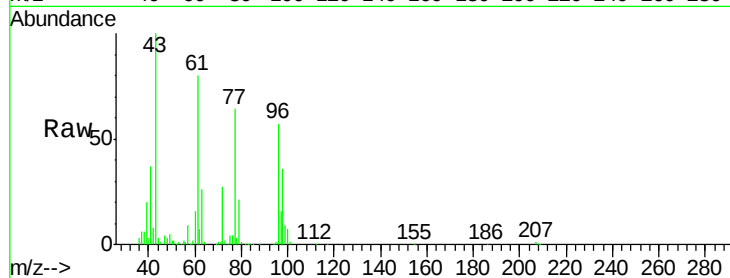
#25
2-Butanone
Concen: 74.57 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 610357
Ion Ratio Lower Upper
43 100
72 27.4 20.2 30.2

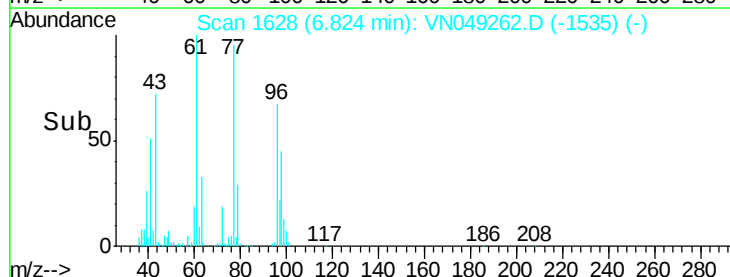
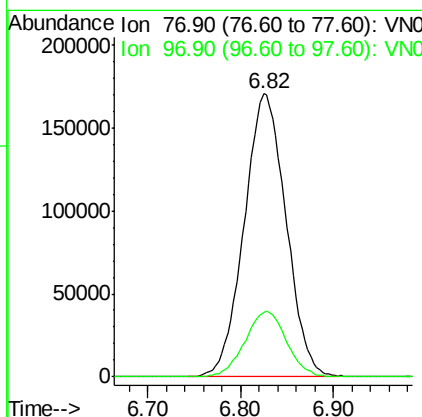
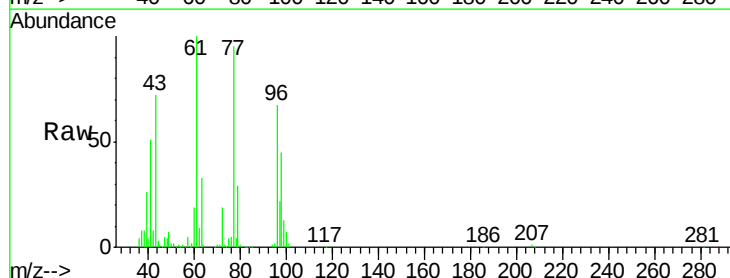
Manual Integrations
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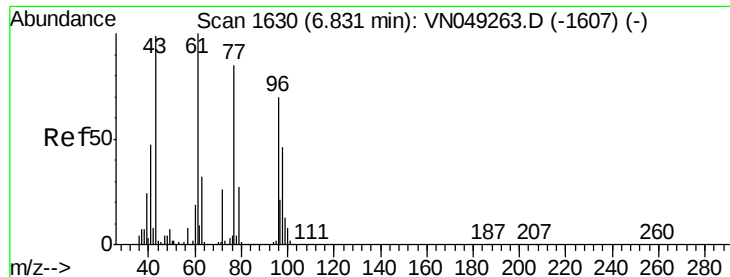
MMDadoda
6/18/2018 3:16:11 PM



#26
2,2-Dichloropropane
Concen: 17.27 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion: 77 Resp: 535440
Ion Ratio Lower Upper
77 100
97 23.1 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 17.12 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

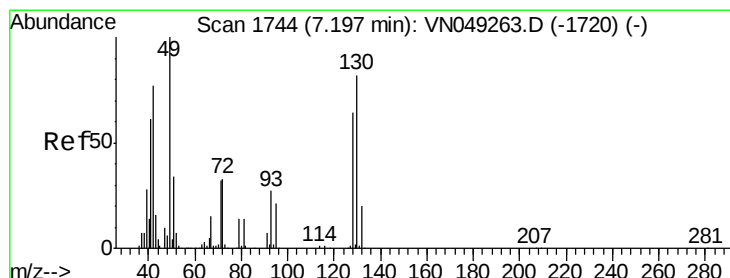
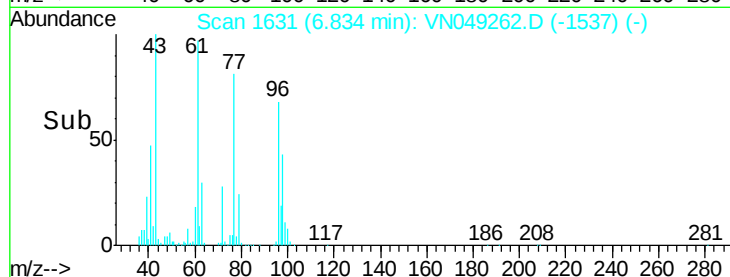
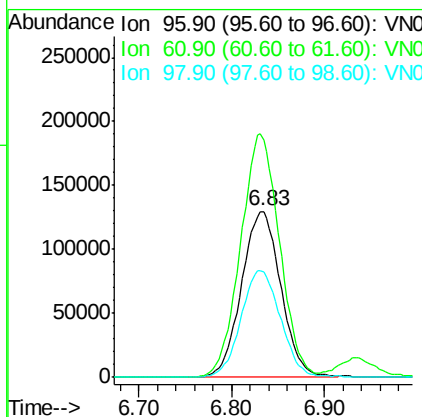
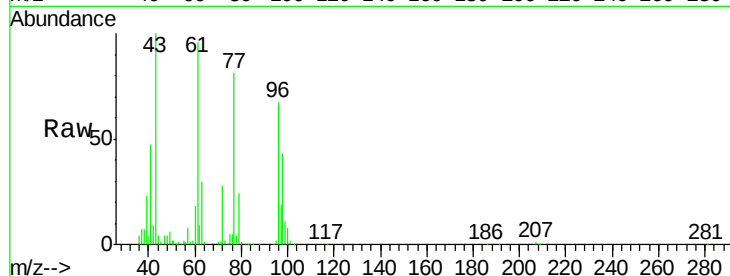
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	382407
Ion Ratio	Lower	Upper	
96	100		
61	144.7	0.0	316.4
98	64.5	0.0	128.4

Manual Integrations
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6/18/2018 3:16:11 PM



#28

Bromochloromethane

Concen: 15.27 ug/l

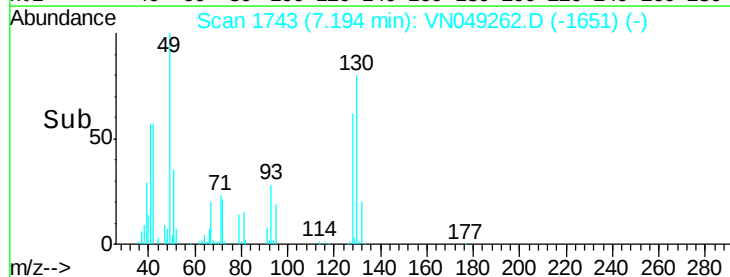
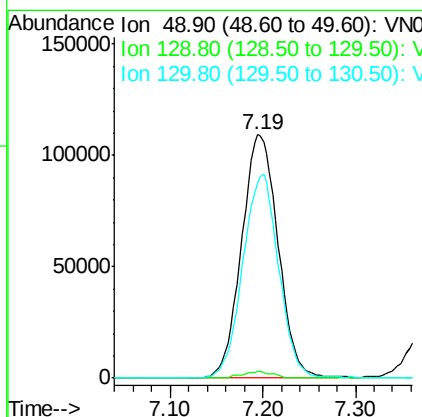
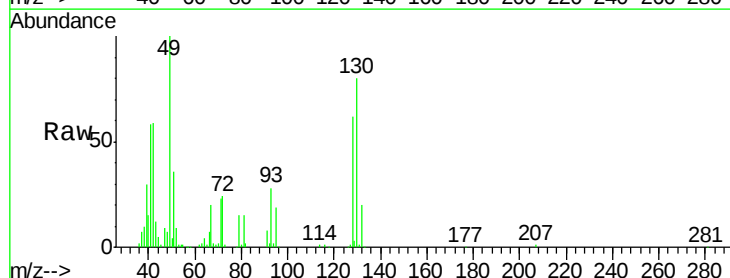
RT: 7.19 min Scan# 1743

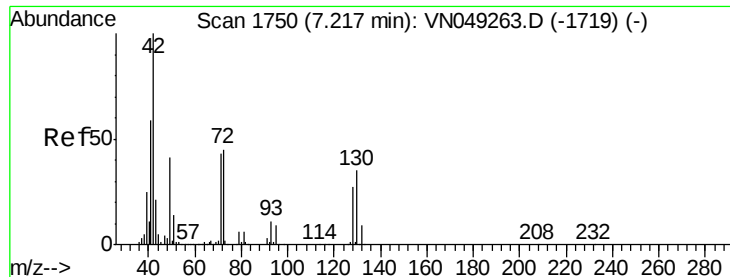
Delta R.T. -0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	49	Resp:	299562
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	81.8	54.9	82.3





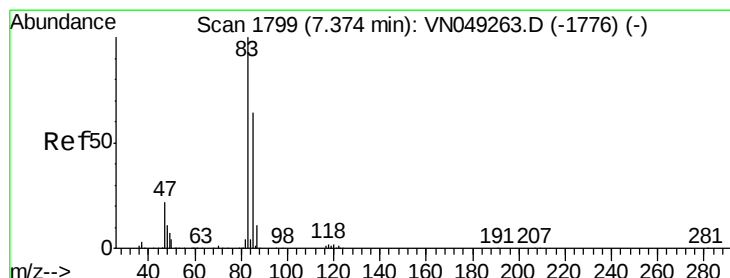
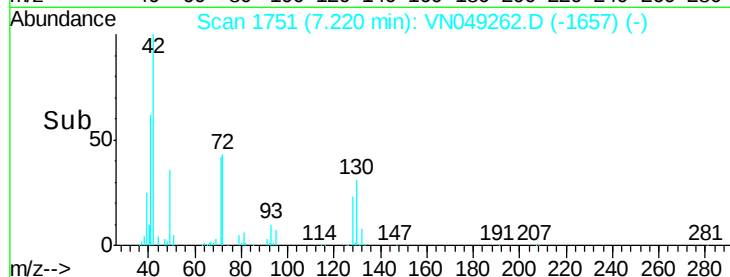
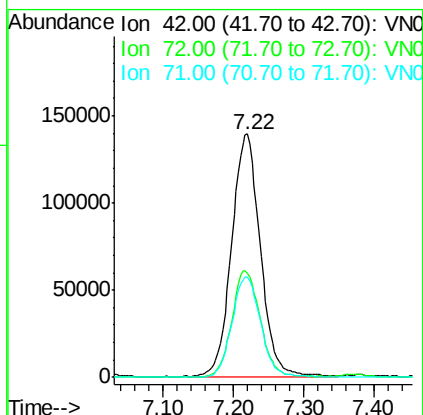
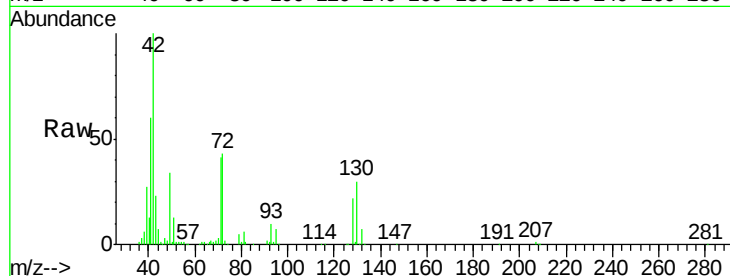
#29
Tetrahydrofuran
Concen: 74.81 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	32.2	48.4
71	41.5	30.5	45.7

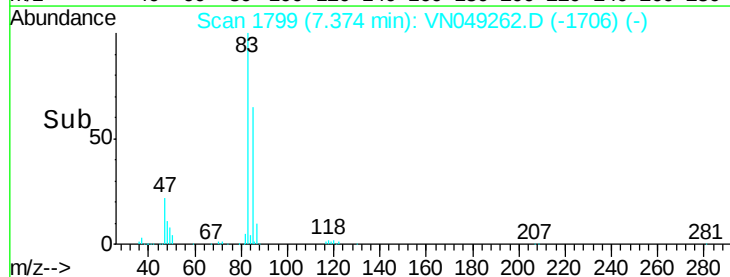
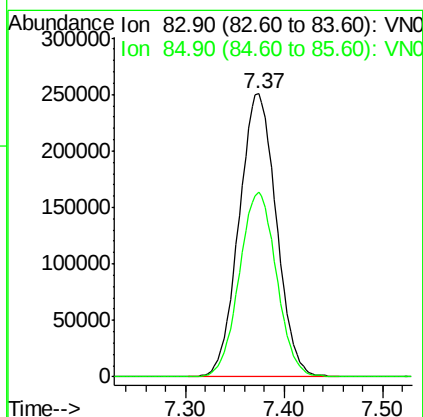
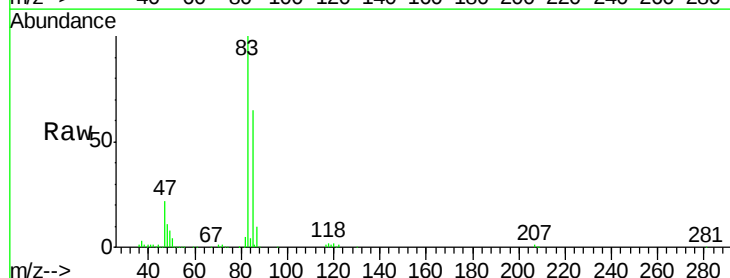
Manual Integrations
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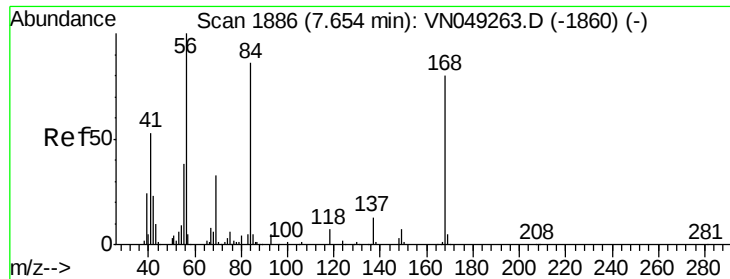
MMDadoda
6/18/2018 3:16:11 PM



#30
Chloroform
Concen: 16.54 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.7	77.5





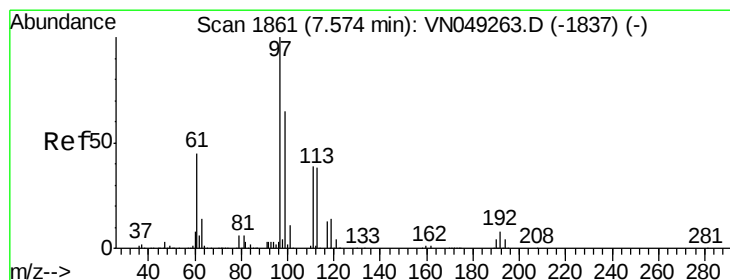
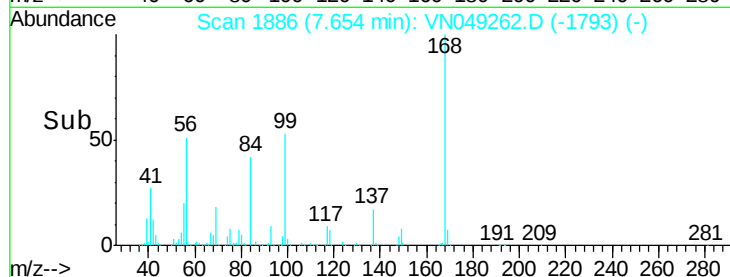
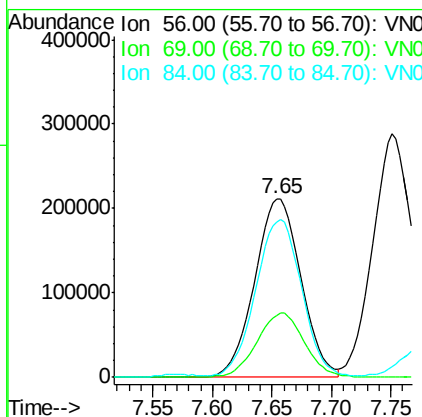
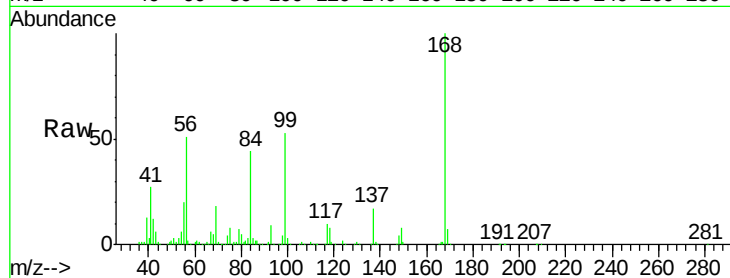
#31
Cyclohexane
Concen: 13.82 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	25.0	37.4
84	85.6	64.6	96.8

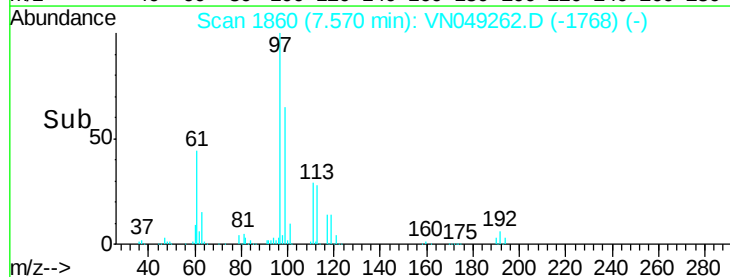
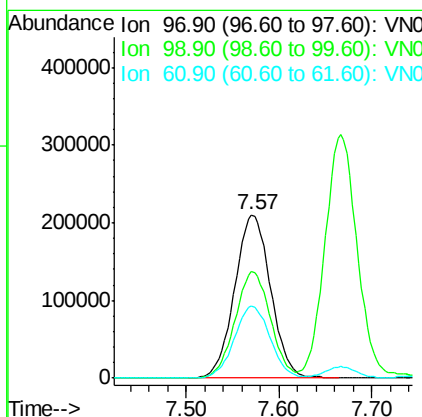
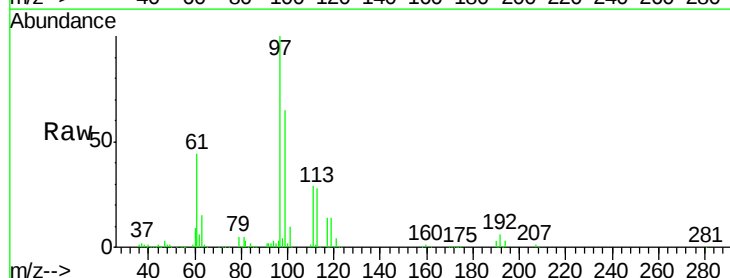
Manual Integrations
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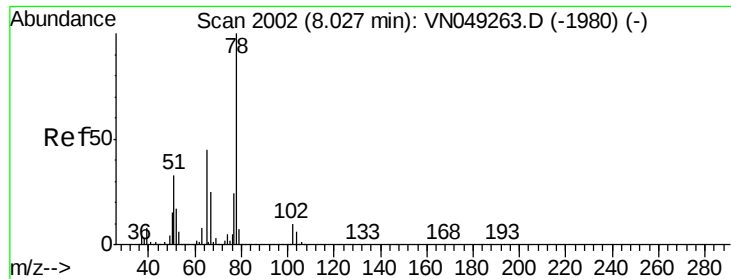
MMDadoda
6/18/2018 3:16:11 PM



#32
1,1,1-Trichloroethane
Concen: 16.57 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.5	75.7
61	43.8	37.9	56.9





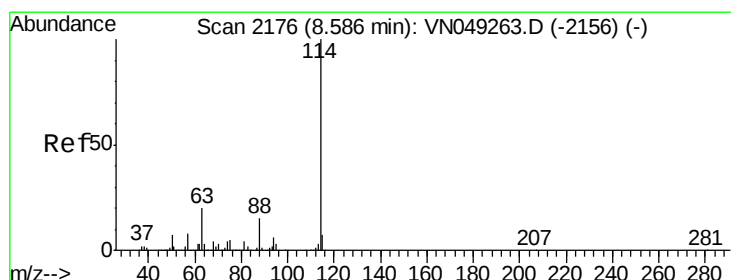
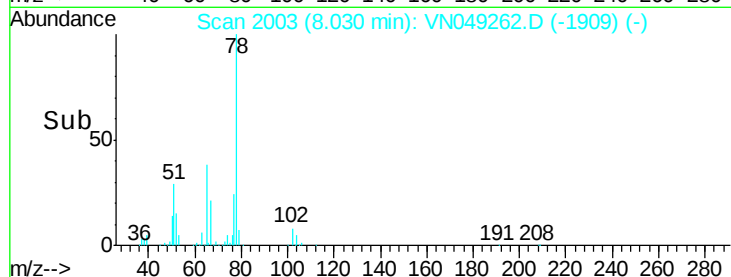
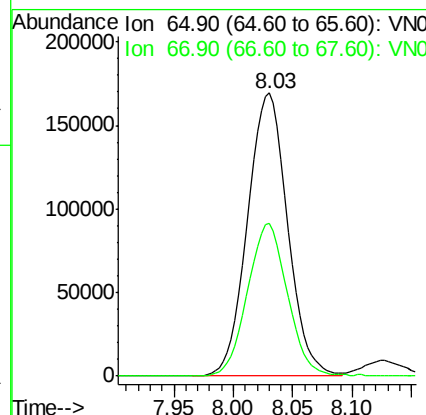
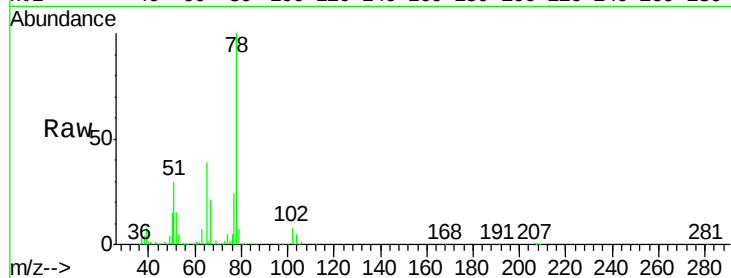
#33
 1,2-Dichloroethane-d4
 Concen: 16.51 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.7	0.0	103.8	

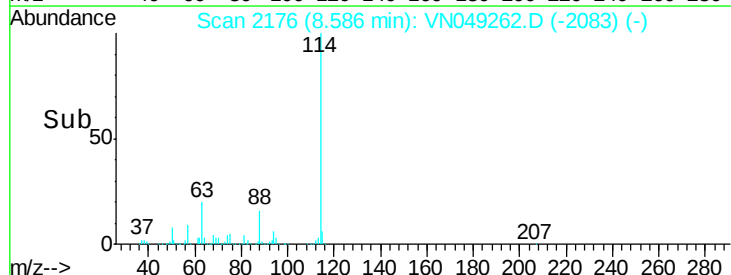
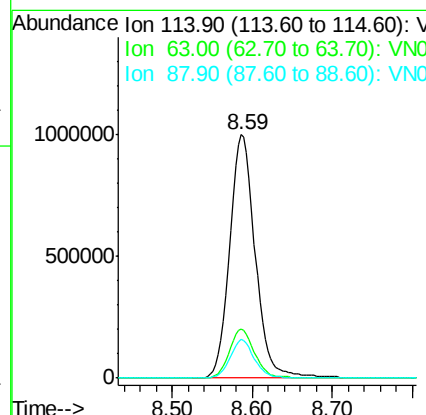
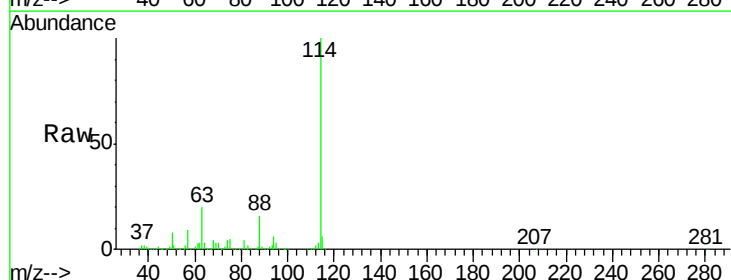
Manual Integrations
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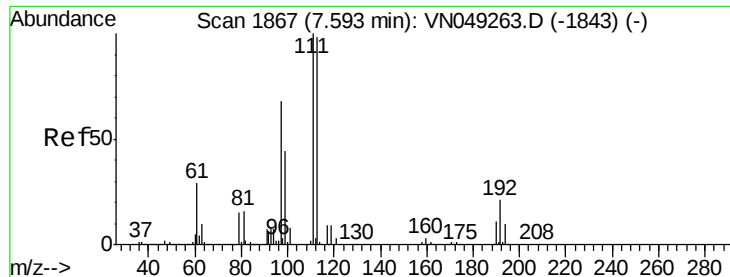
MMDadoda
 6/18/2018 3:16:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.2	0.0	44.4	
88	15.7	0.0	31.4	





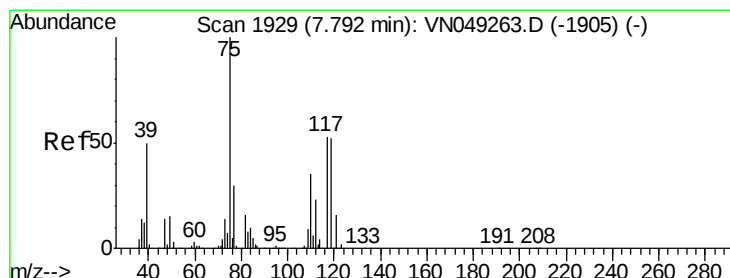
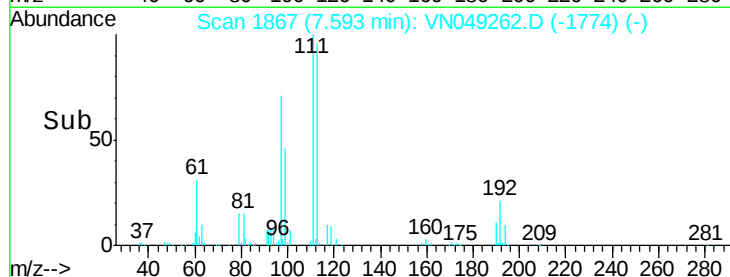
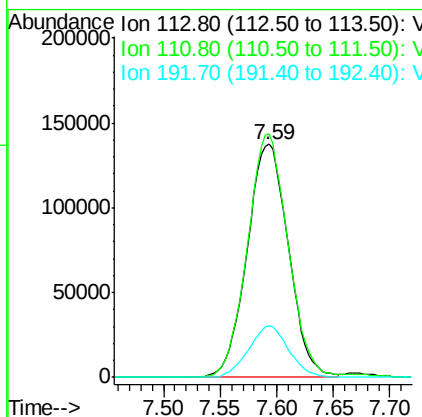
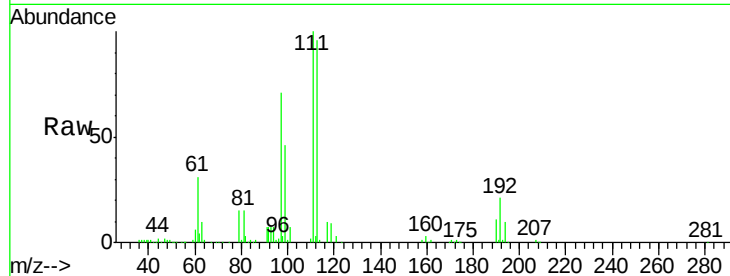
#35
 Dibromofluoromethane
 Concen: 19.34 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	82.4	123.6	
192	21.4	15.0	22.6	

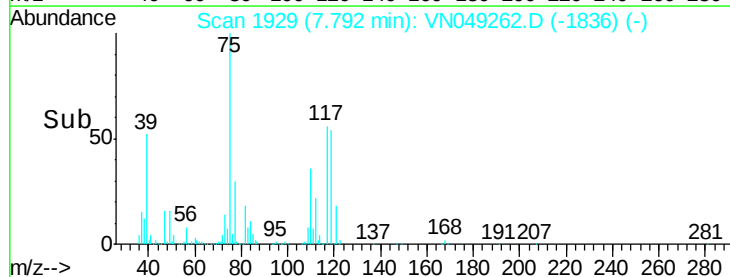
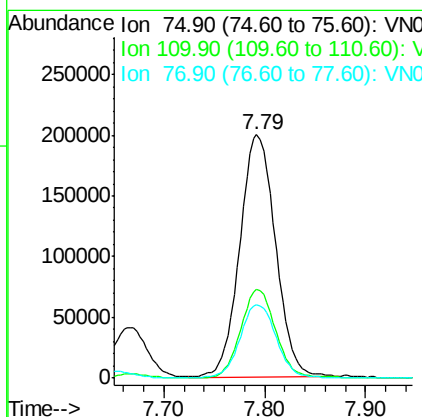
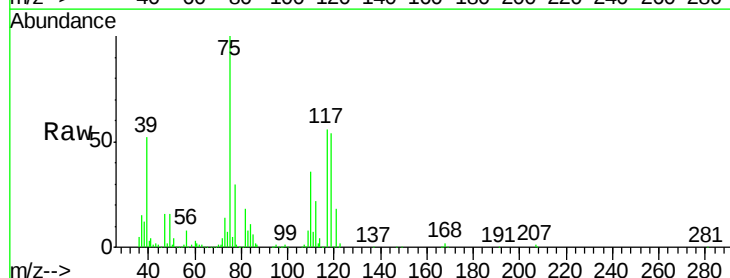
Manual Integrations
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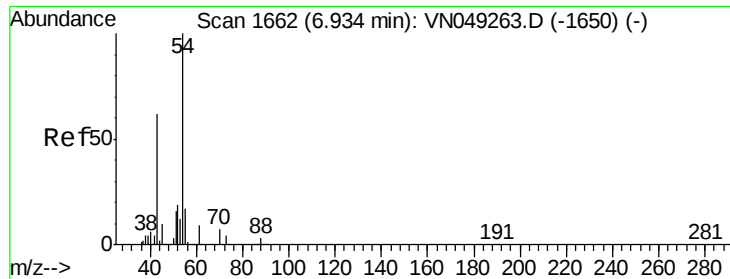
MMDadoda
 6/18/2018 3:16:11 PM



#36
 1,1-Dichloropropene
 Concen: 17.93 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.6	17.0	50.9	
77	30.4	24.4	36.6	





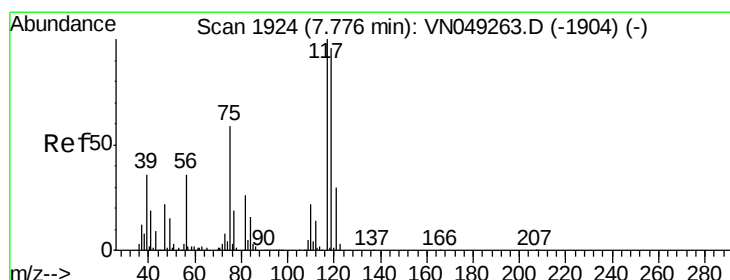
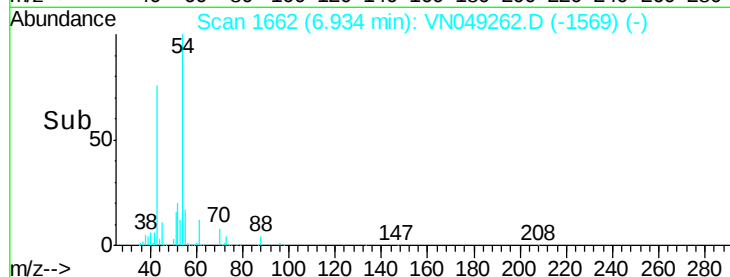
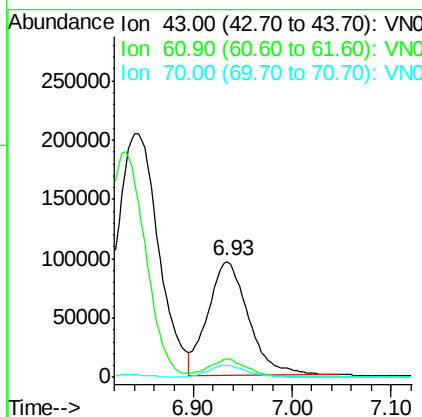
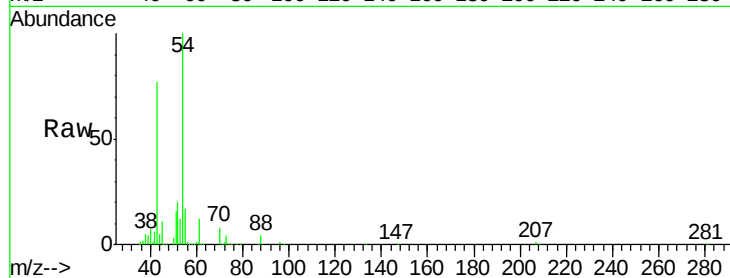
#37
Ethyl Acetate
Concen: 16.07 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.0	16.4
70	9.2	7.2	10.8

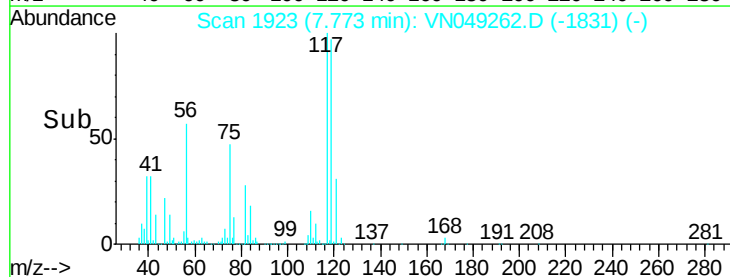
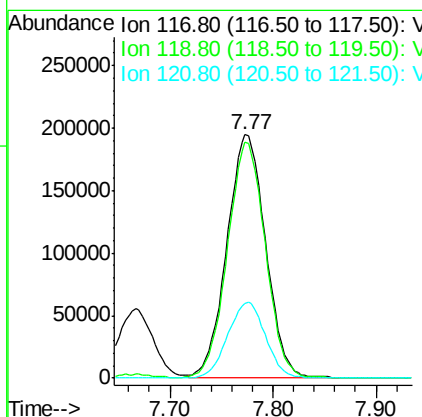
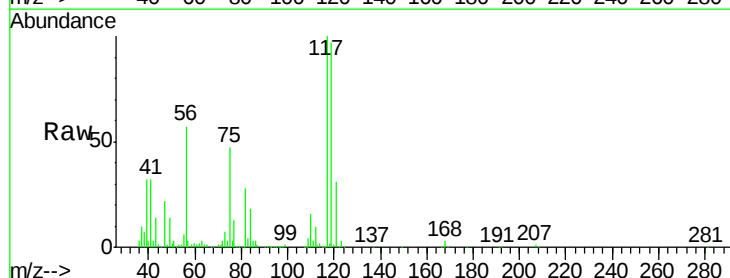
Manual Integrations
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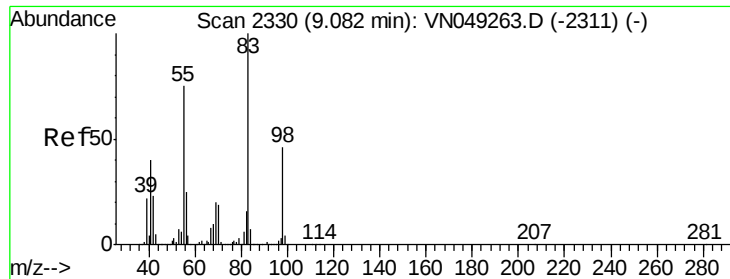
MMDadoda
6/18/2018 3:16:11 PM



#38
Carbon Tetrachloride
Concen: 18.42 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.6	113.4
121	30.6	24.7	37.1





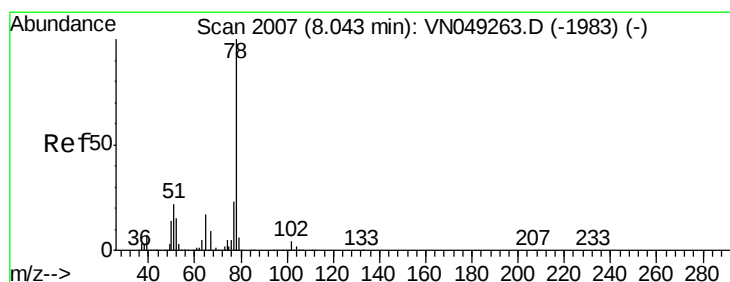
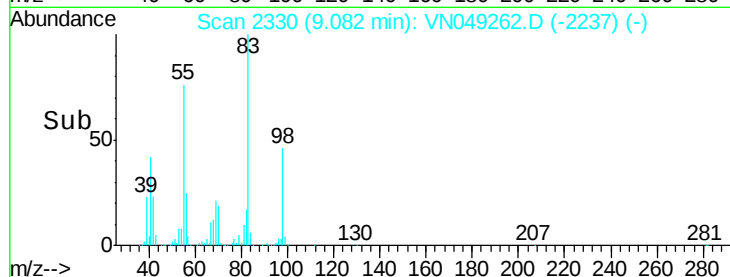
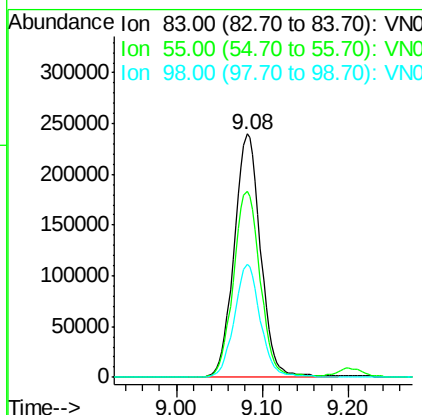
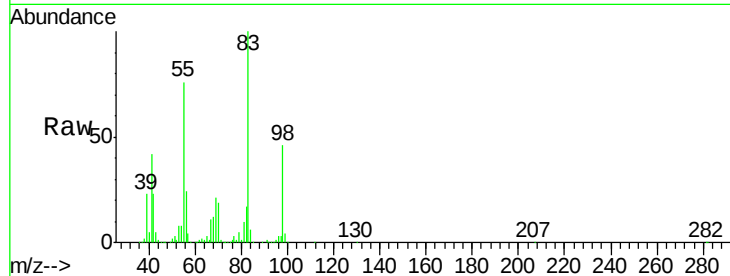
#39
Methvlcvclohexane
Concen: 18.17 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	65.1	97.7
98	46.4	36.5	54.7

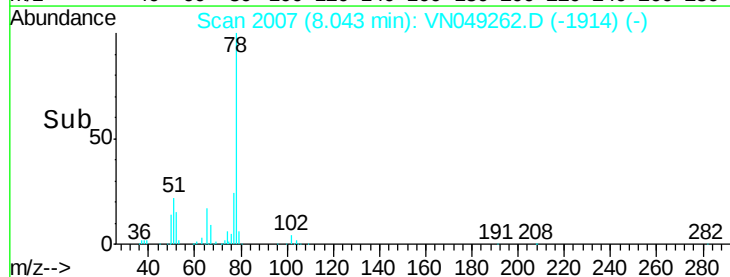
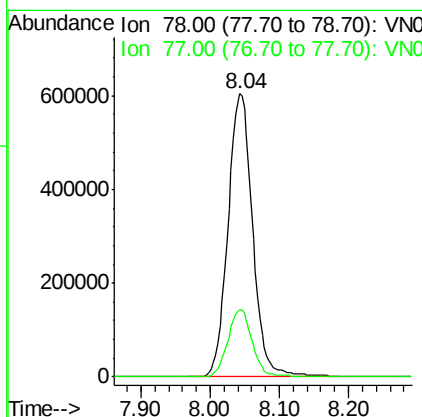
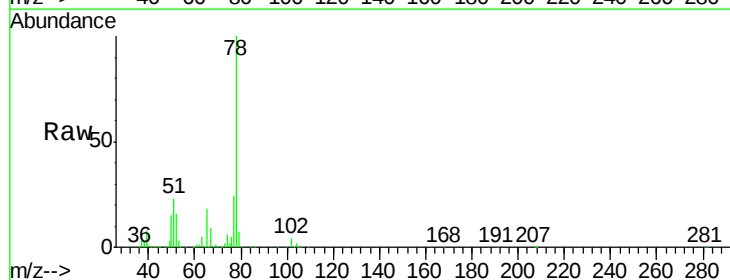
Manual Integrations
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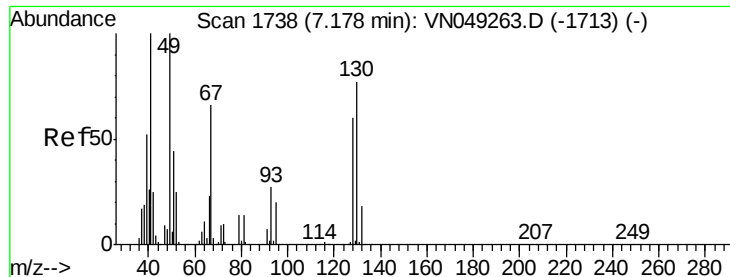
MMDadoda
6/18/2018 3:16:11 PM



#40
Benzene
Concen: 18.18 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





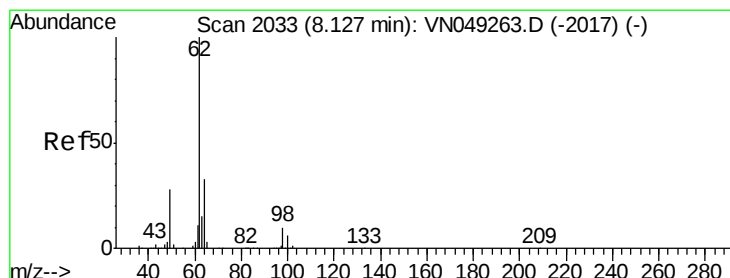
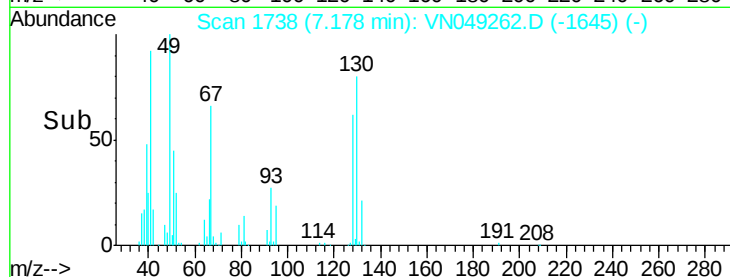
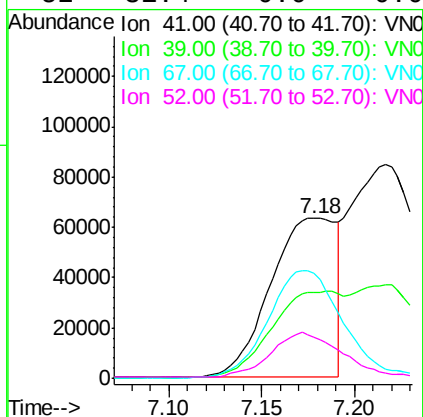
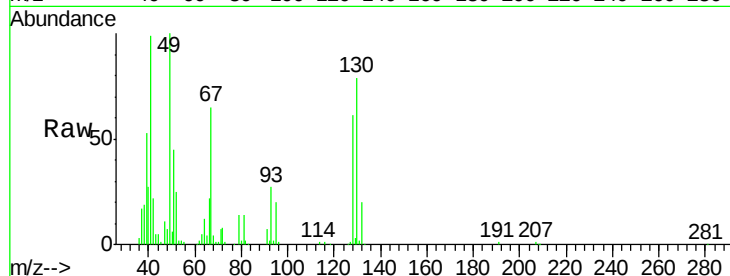
#41
Methacrylonitrile
Concen: 16.02 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	156334
Ion	Ratio	Lower	Upper
41	100		
39	57.6	0.0	0.0#
67	78.6	0.0	0.0#
52	31.4	0.0	0.0#

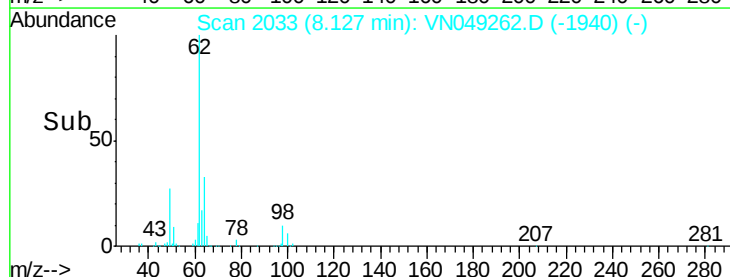
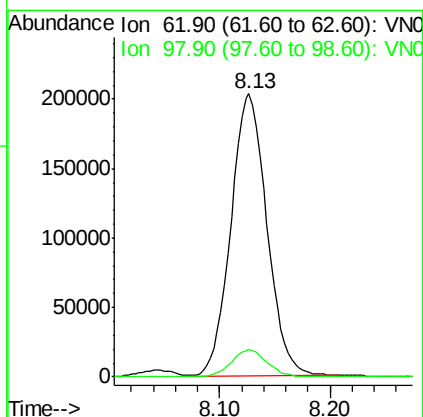
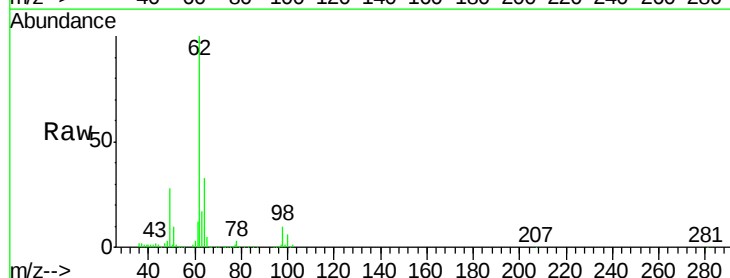
Manual Integrations
APPROVED

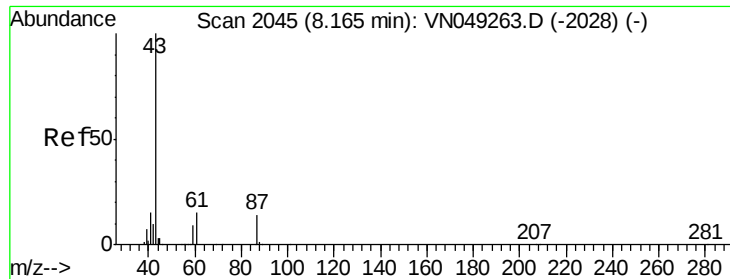
MMDadoda
6/18/2018 3:16:11 PM



#42
1,2-Dichloroethane
Concen: 16.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	62	Resp	459900
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

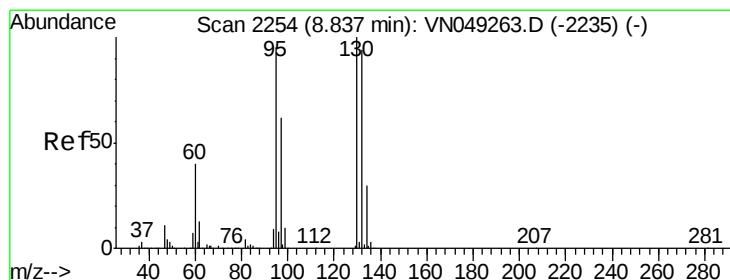
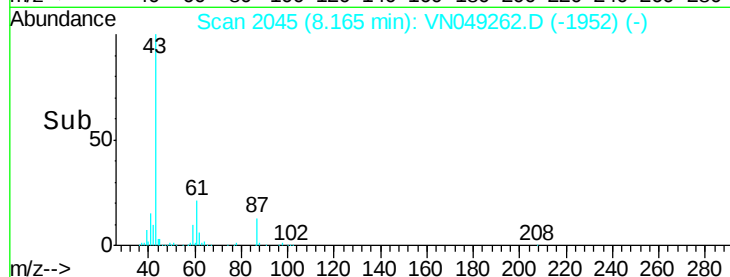
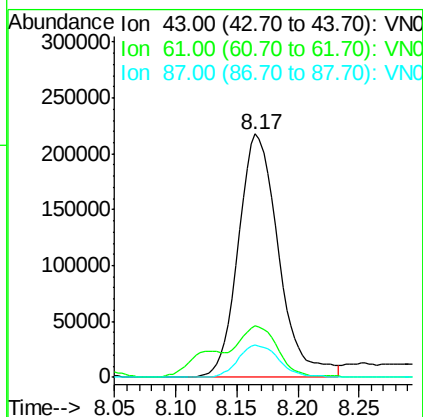
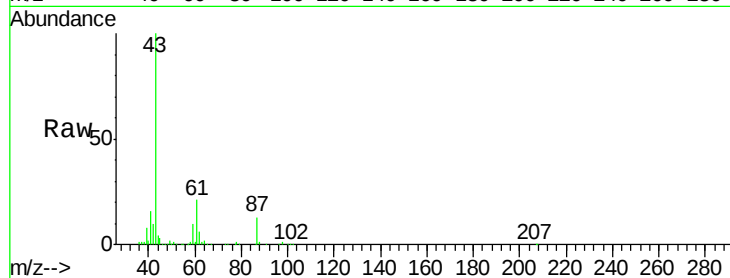
Isopropyl Acetate
 Concen: 15.63 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.2	21.4
87	13.6	9.4	14.0

Manual Integrations
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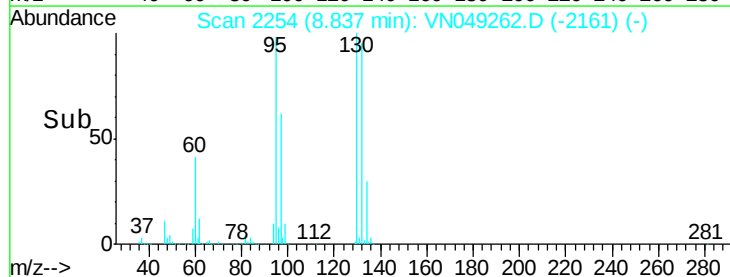
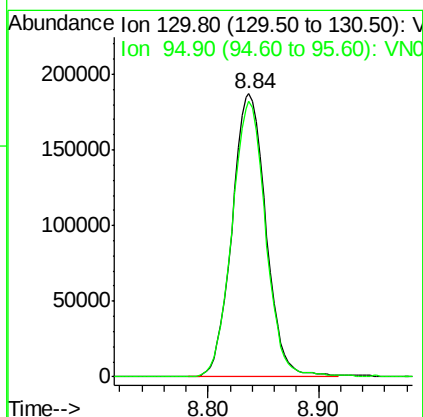
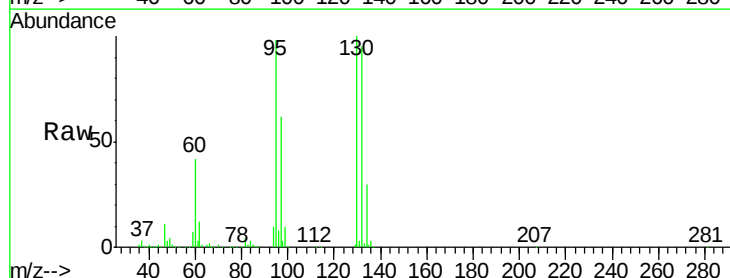
MMDadoda
 6/18/2018 3:16:11 PM



#44

Trichloroethene
 Concen: 19.25 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.5	0.0	208.6





#45

1,2-Dichloropropane

Concen: 17.41 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 396232

Ion Ratio Lower Upper

63 100

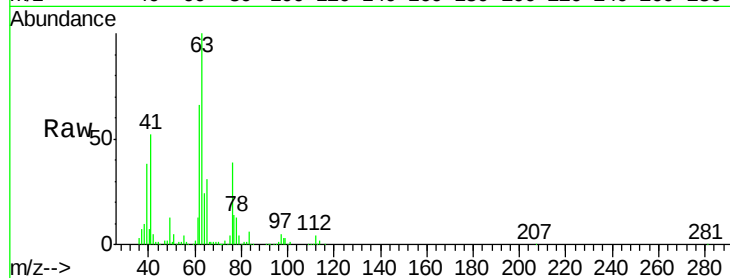
65 30.9 24.8 37.2

Manual Integrations

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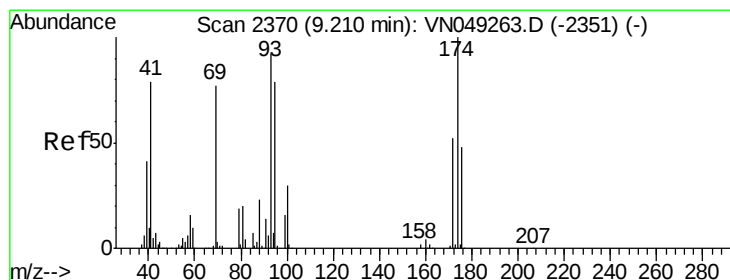
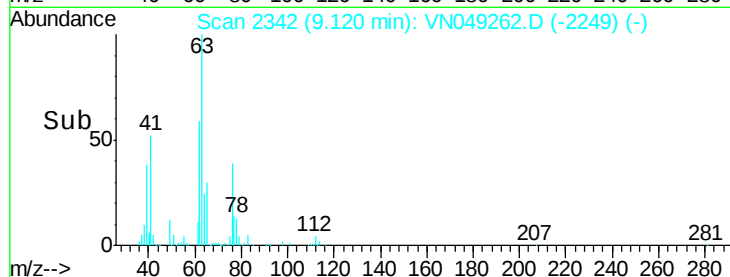
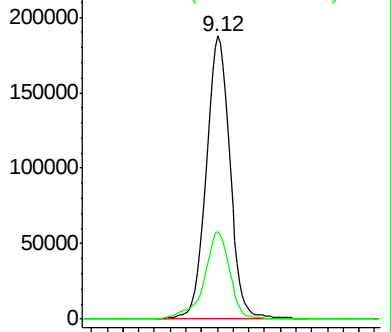
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.14 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

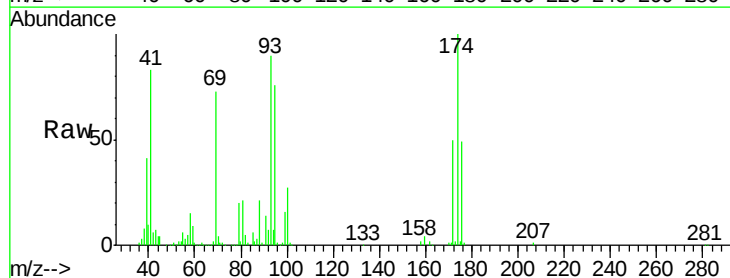
Tgt Ion: 93 Resp: 228128

Ion Ratio Lower Upper

93 100

95 84.5 67.2 100.8

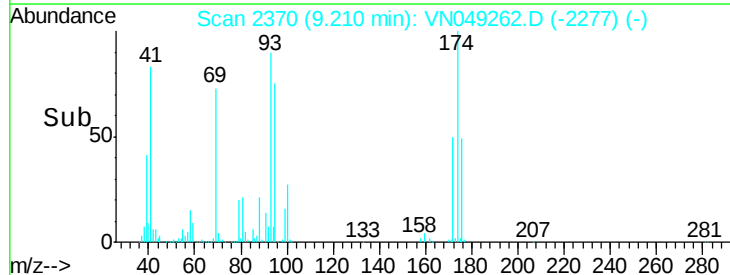
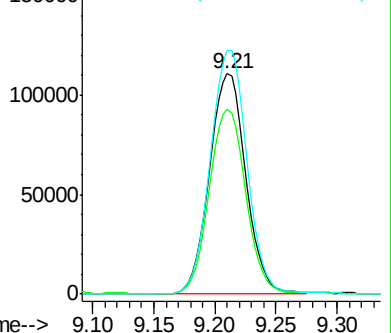
174 111.5 75.6 113.4

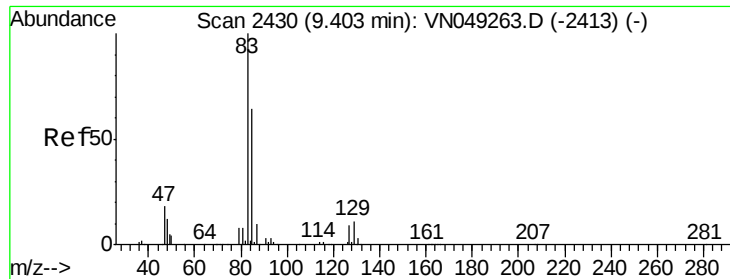


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 17.56 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

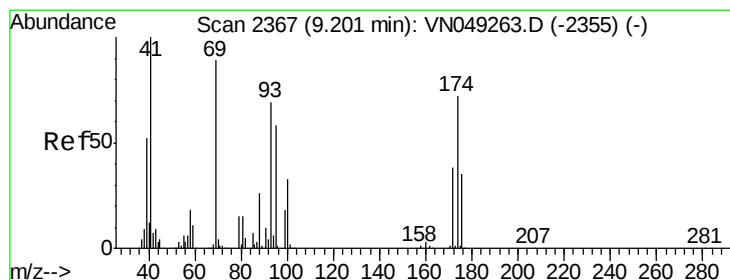
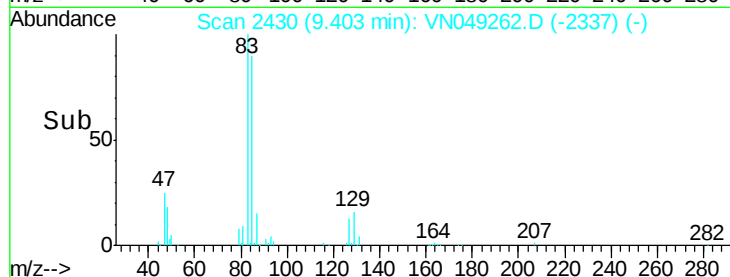
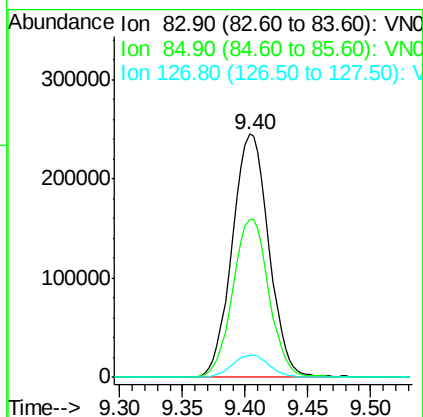
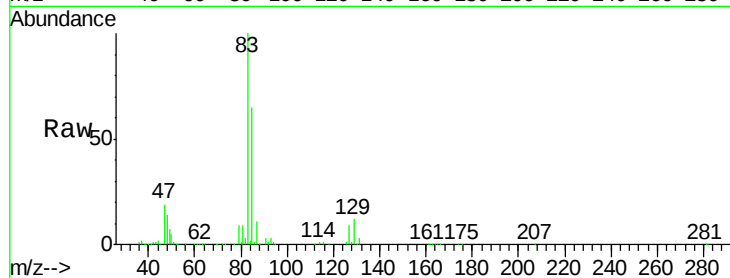
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	497428
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.4	74.0
127	9.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.55 ug/l

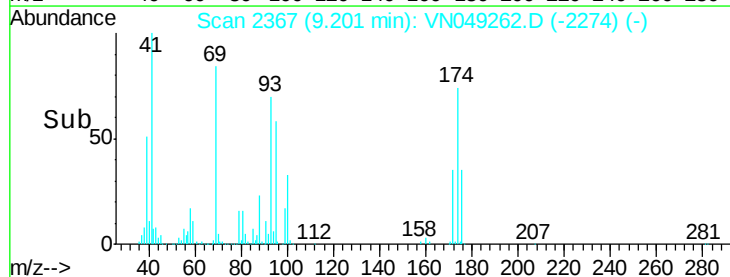
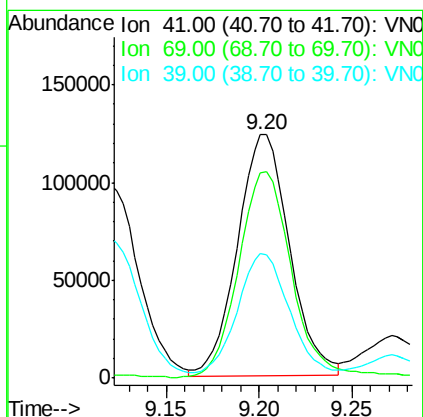
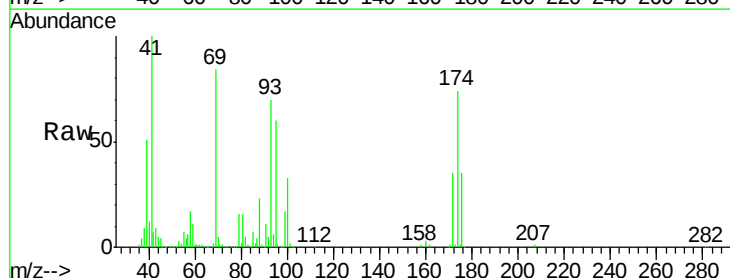
RT: 9.20 min Scan# 2367

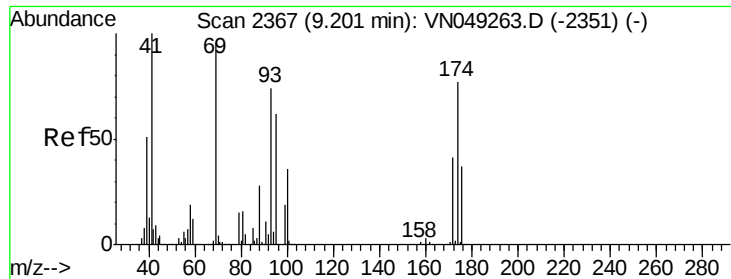
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	41	Resp:	240897
Ion Ratio	Lower	Upper	
41	100		
69	88.0	62.0	93.0
39	52.2	50.6	75.8





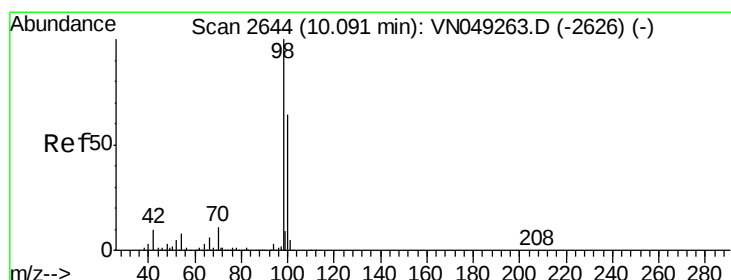
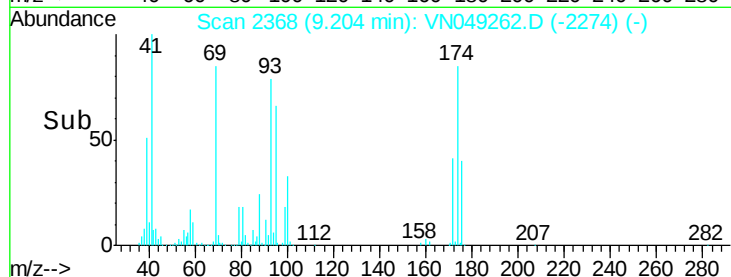
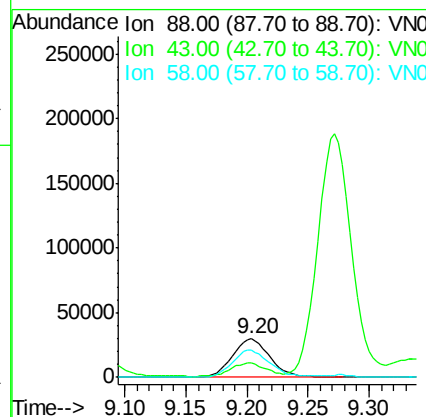
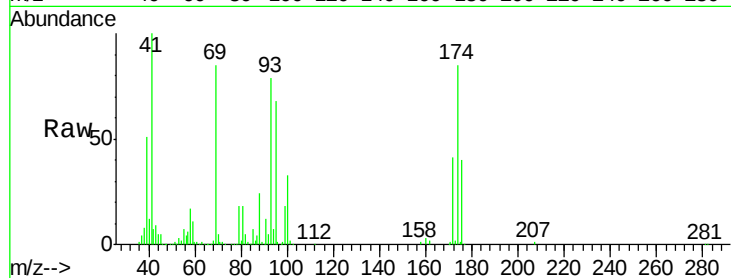
#49
1,4-Dioxane
Concen: 349.06 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	30.9	46.3
58	70.4	58.9	88.3

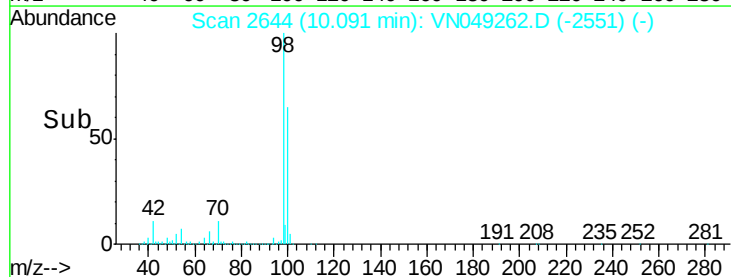
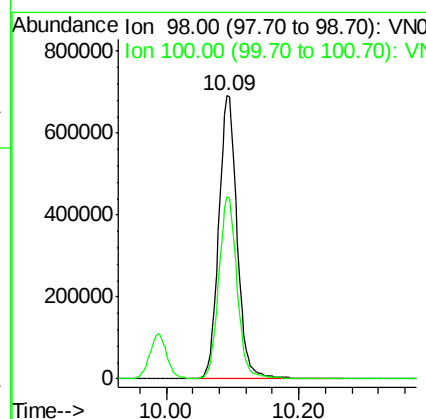
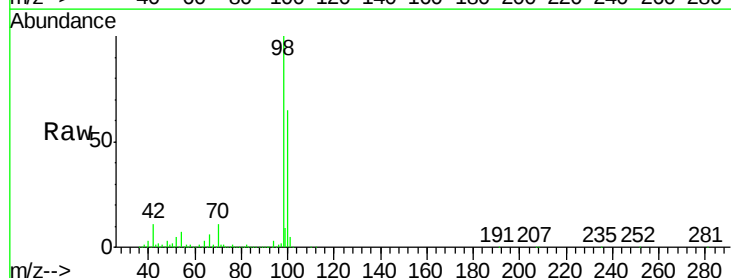
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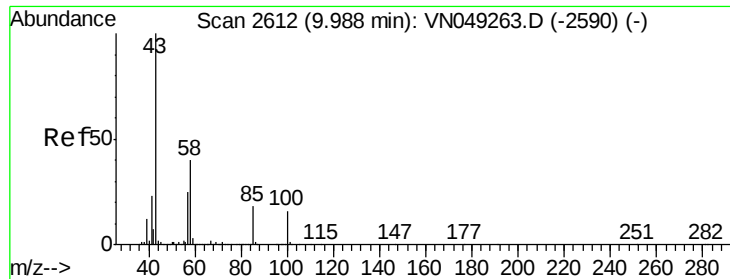
MMDadoda
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#50
Toluene-d8
Concen: 18.85 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	49.8	74.8





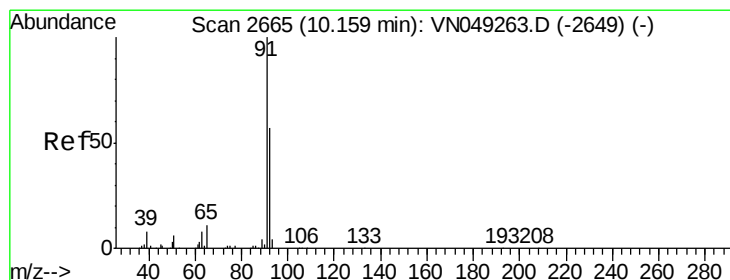
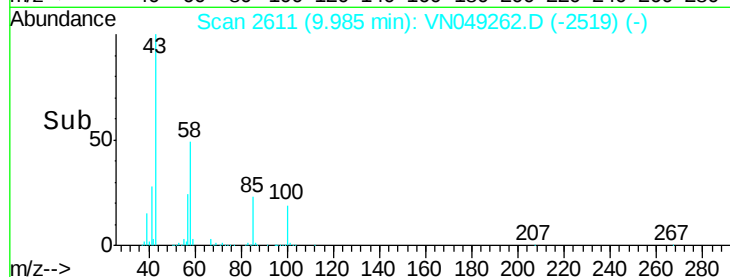
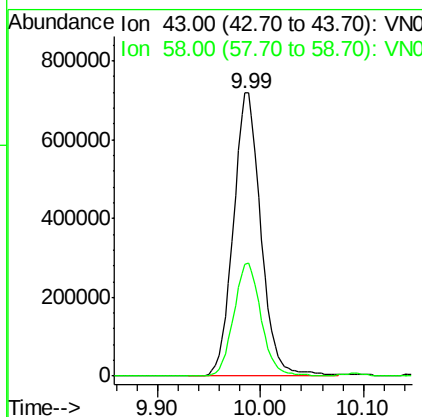
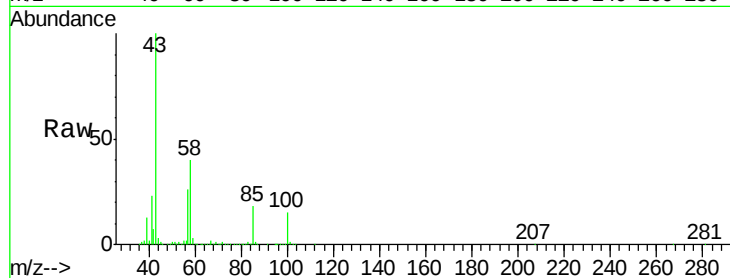
#51
4-Methyl-2-Pentanone
Concen: 79.21 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 1337451
Ion Ratio Lower Upper
43 100
58 39.8 29.0 43.6

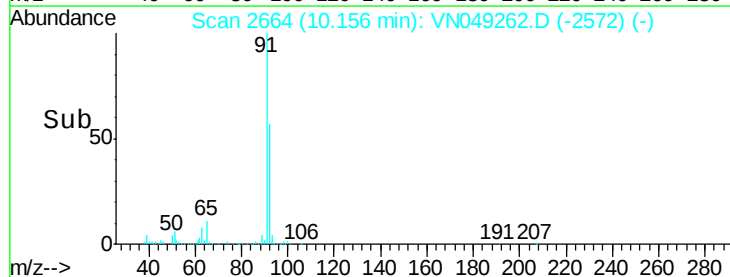
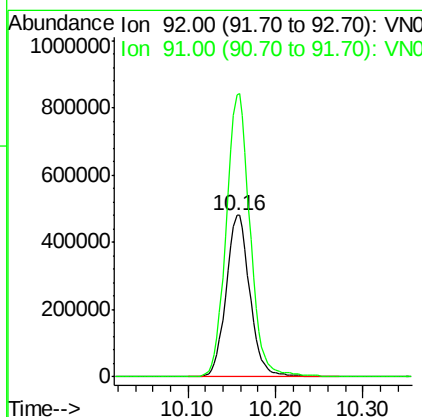
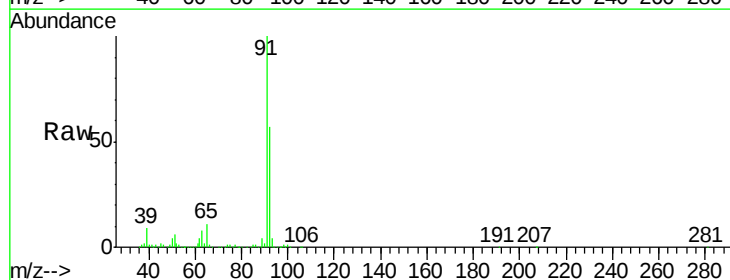
Manual Integrations
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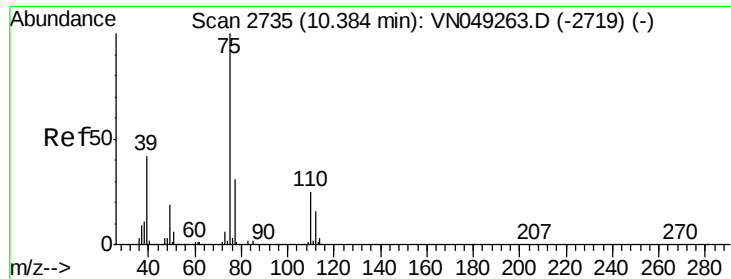
MMDadoda
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#52
Toluene
Concen: 18.88 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion: 92 Resp: 909057
Ion Ratio Lower Upper
92 100
91 175.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.52 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 471730

Ion Ratio Lower Upper

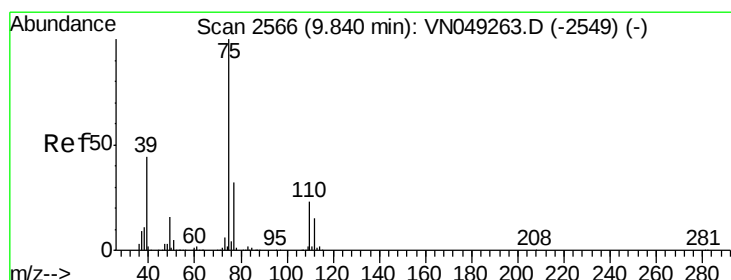
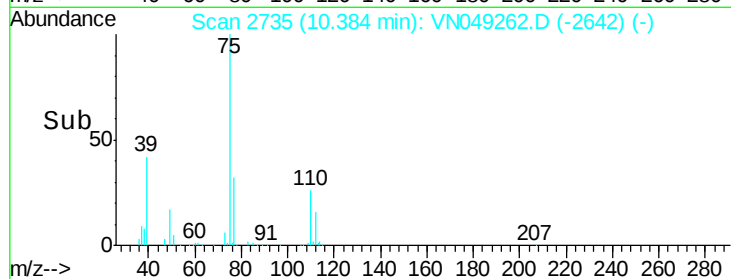
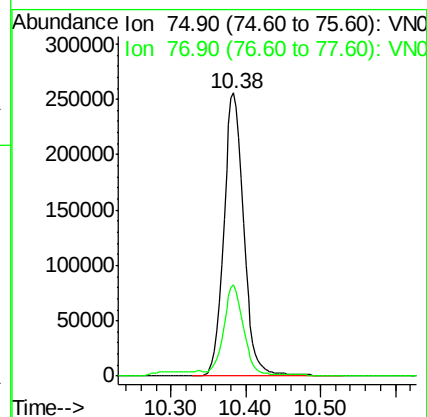
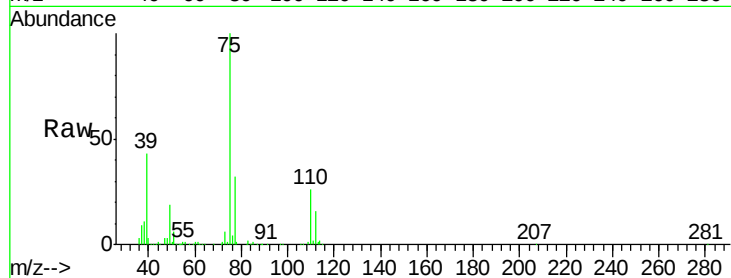
75 100

77 31.9 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 17.89 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

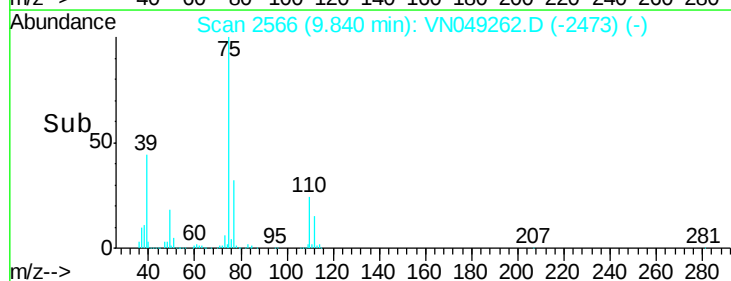
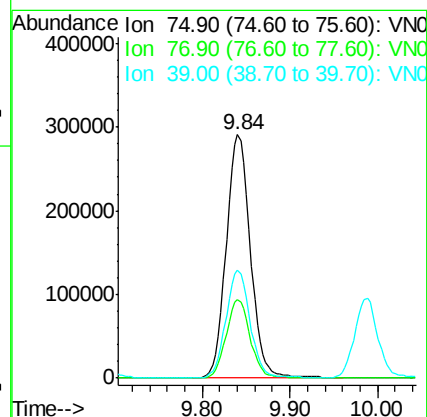
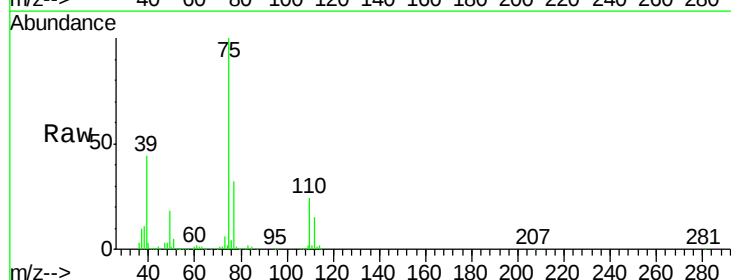
Tgt Ion: 75 Resp: 558409

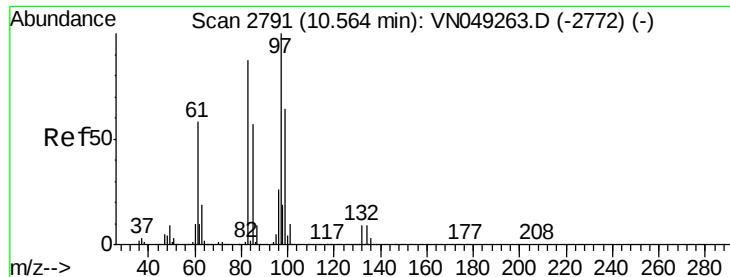
Ion Ratio Lower Upper

75 100

77 32.4 24.8 37.2

39 44.2 45.1 67.7#





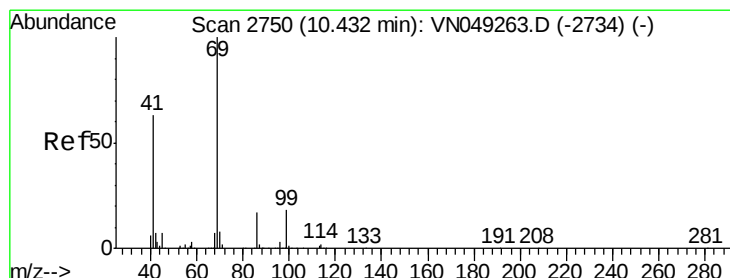
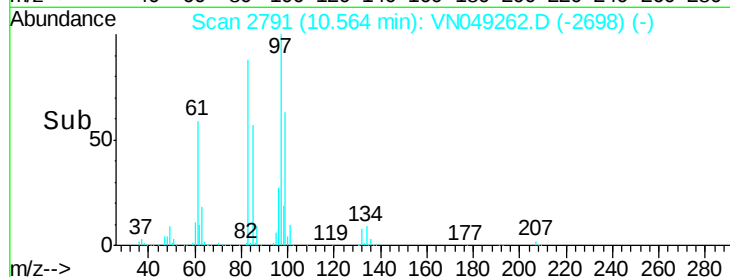
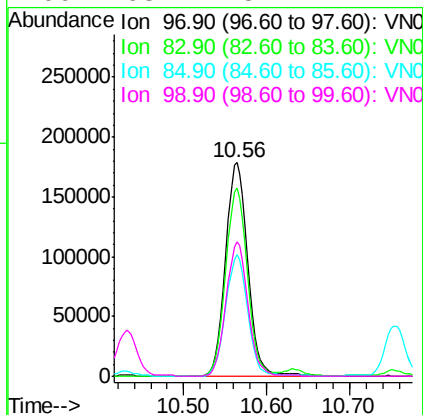
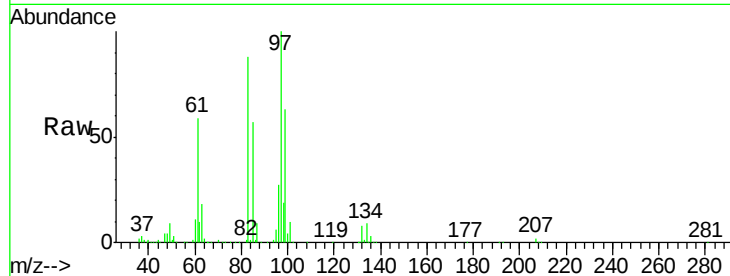
#55
 1,1,2-Trichloroethane
 Concen: 18.87 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	333536
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.5	107.3
85	57.2	47.0	70.4
99	63.1	51.4	77.2

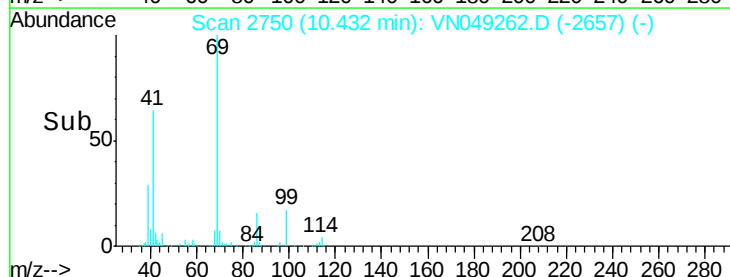
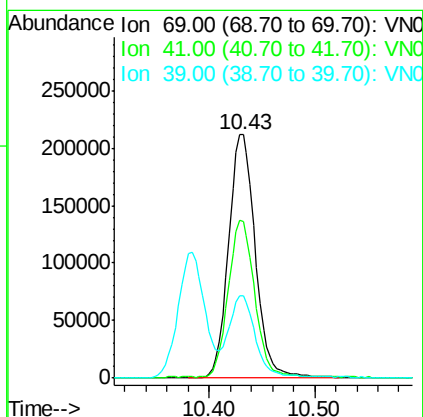
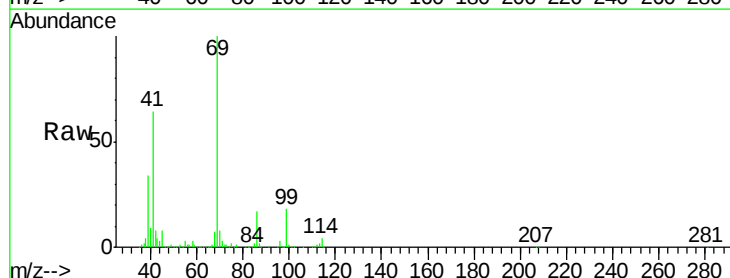
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 17.47 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion:	69	Resp:	372142
Ion	Ratio	Lower	Upper
69	100		
41	63.5	58.4	87.6
39	32.3	35.5	53.3#





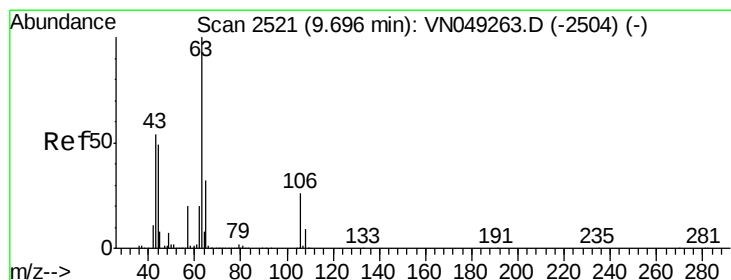
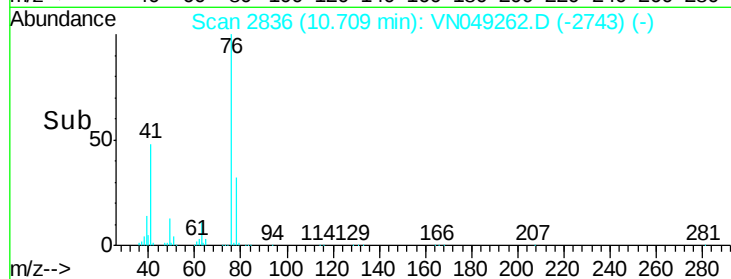
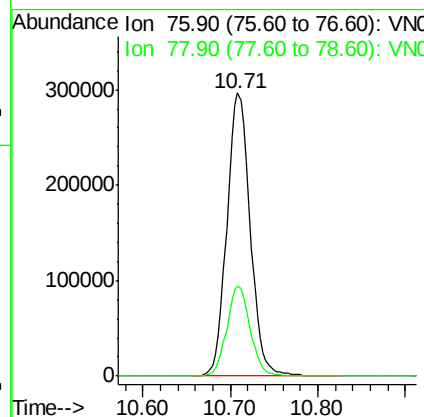
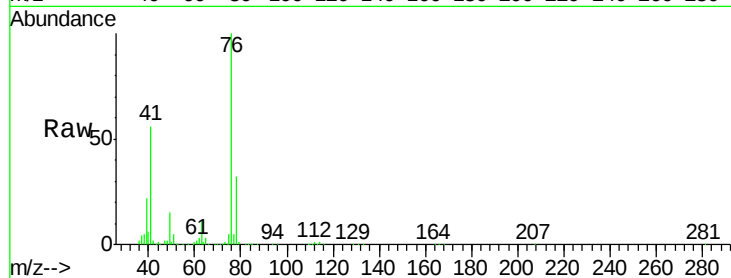
#57
 1,3-Dichloropropane
 Concen: 18.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.3	39.5

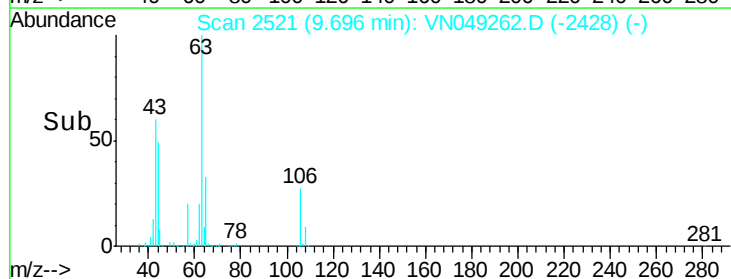
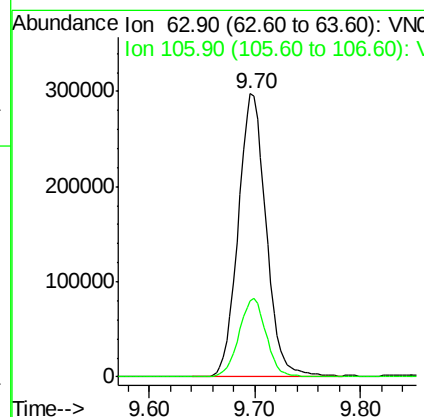
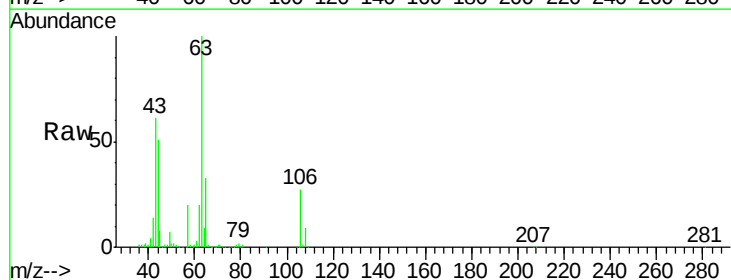
Manual Integrations
 APPROVED

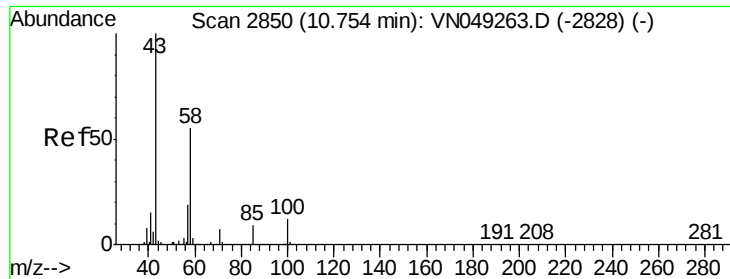
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#58
 2-Chloroethyl Vinyl ether
 Concen: 79.31 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	19.4	29.2





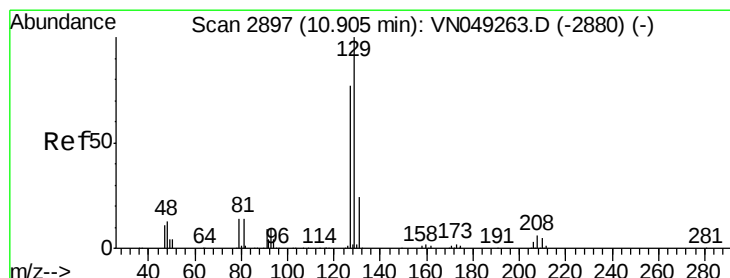
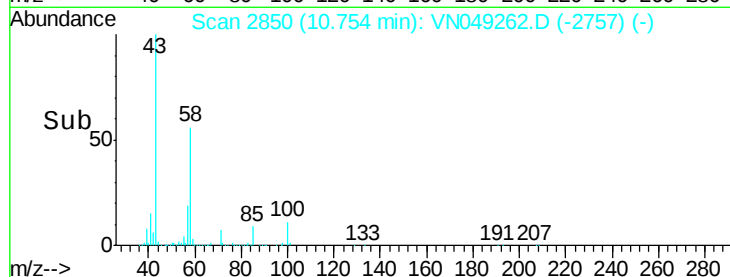
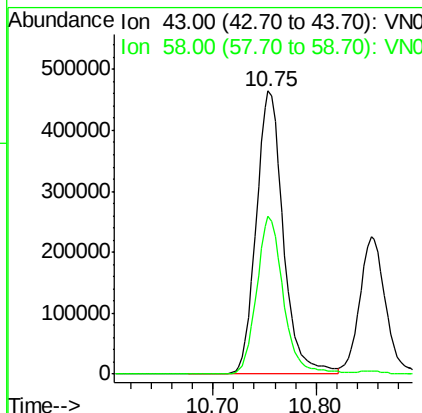
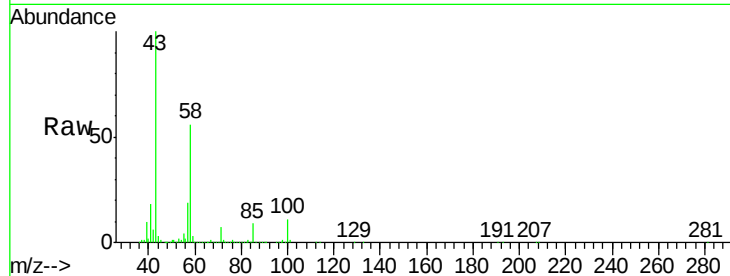
#59
2-Hexanone
Concen: 79.76 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 839172
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

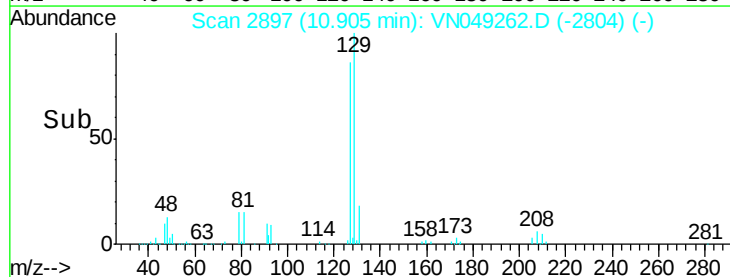
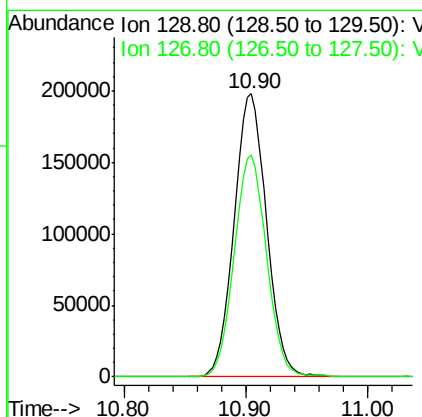
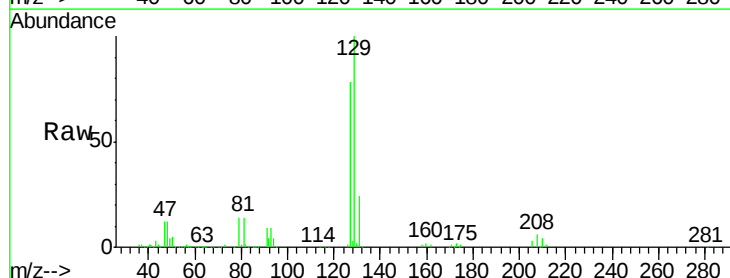
Manual Integrations
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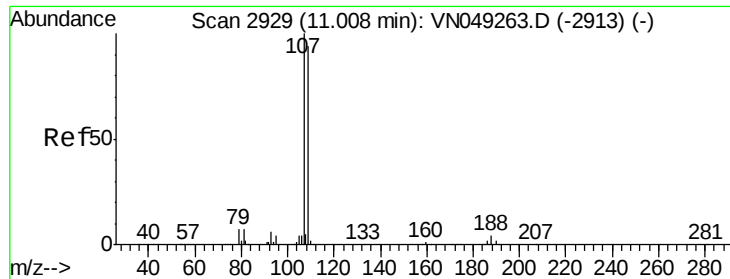
MMDadoda
6/18/2018 3:16:11 PM



#60
Dibromochloromethane
Concen: 18.61 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion: 129 Resp: 364700
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.2





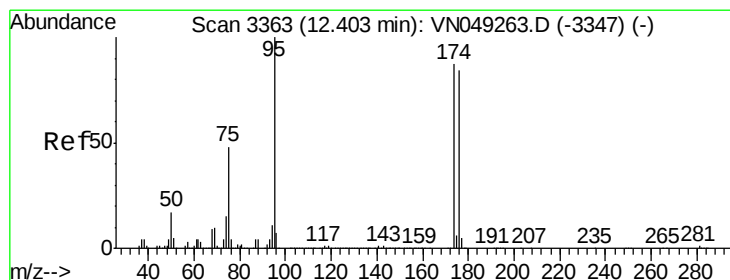
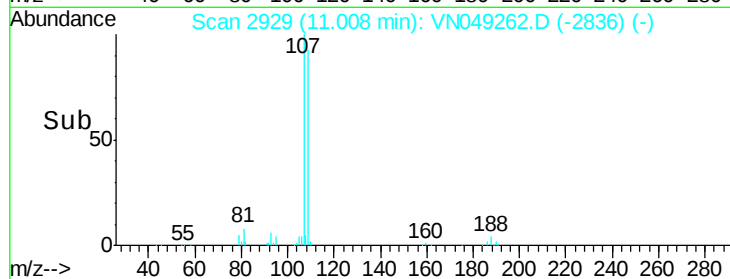
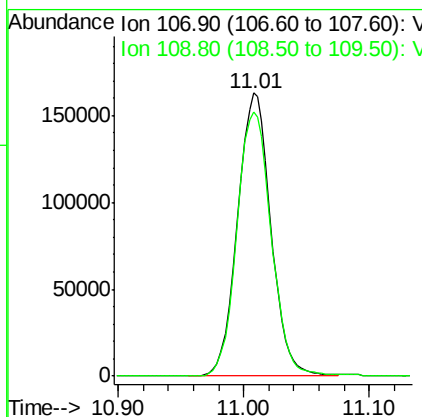
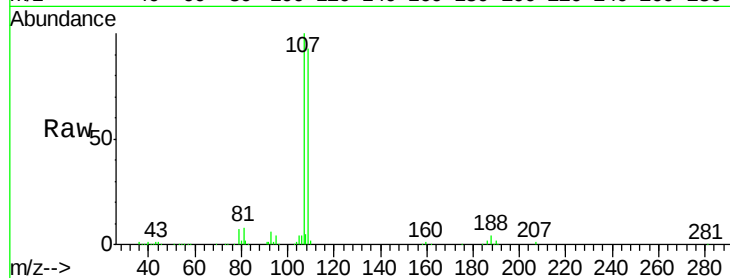
#61
1,2-Dibromoethane
Concen: 18.44 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.4	113.2

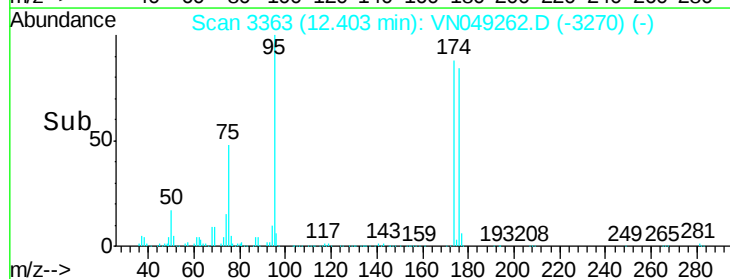
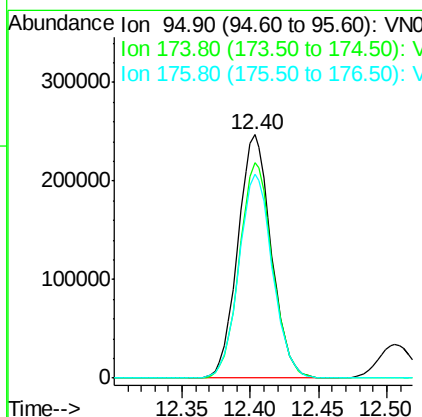
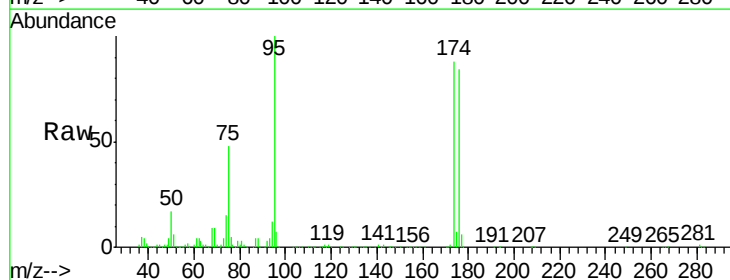
Manual Integrations
APPROVED

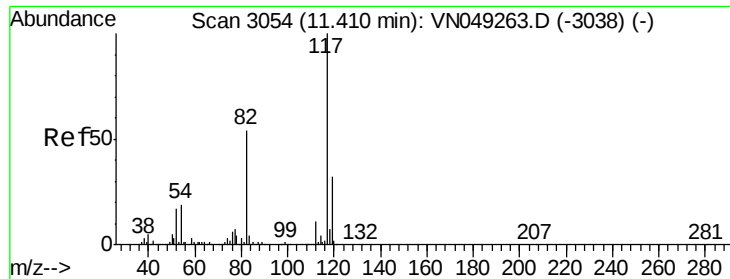
MMDadoda
6/18/2018 3:16:11 PM



#62
4-Bromofluorobenzene
Concen: 17.92 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.8	0.0	165.6
176	84.3	0.0	157.4





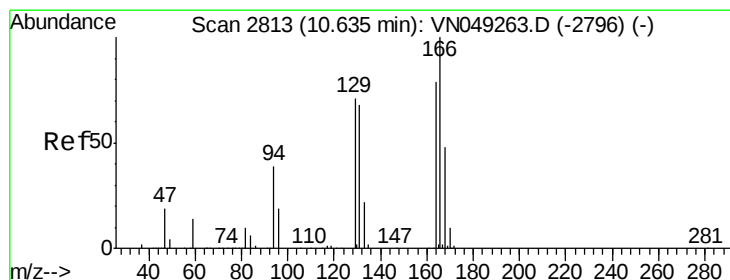
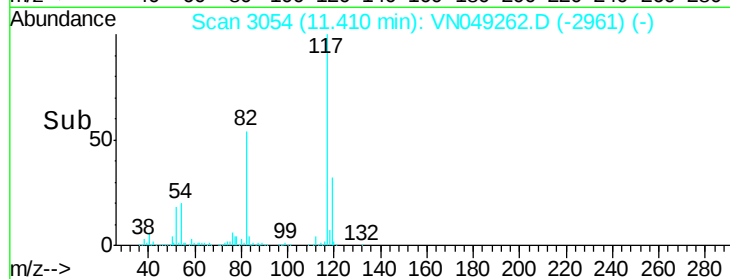
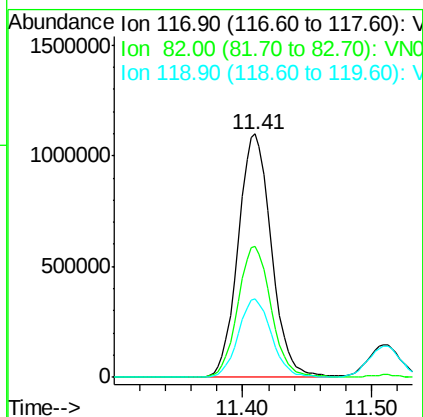
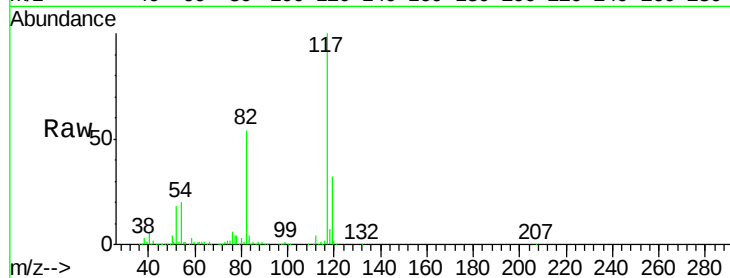
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 1972217
Ion Ratio Lower Upper
117 100
82 53.5 45.9 68.9
119 32.1 25.5 38.3

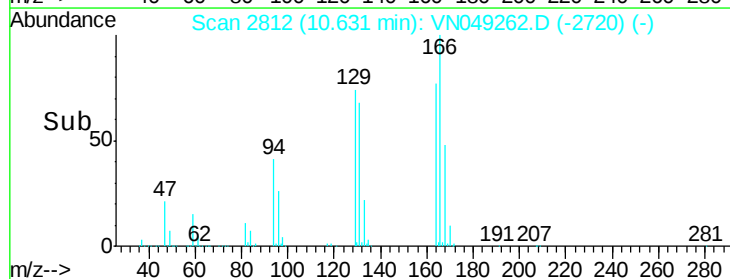
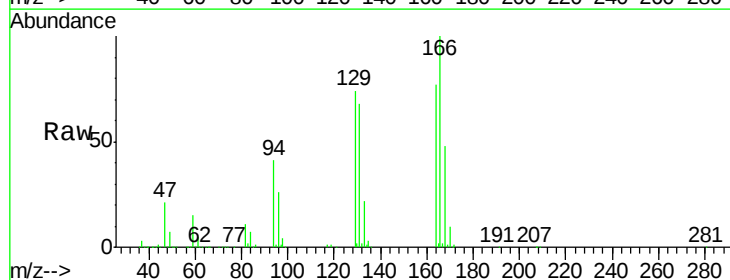
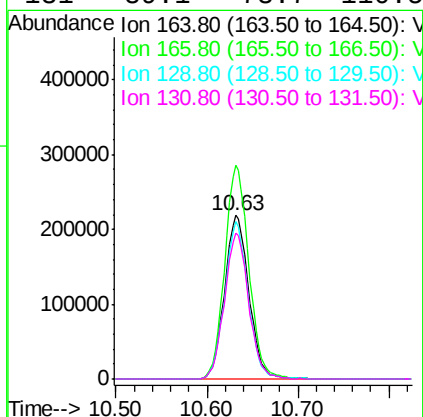
Manual Integrations
APPROVED

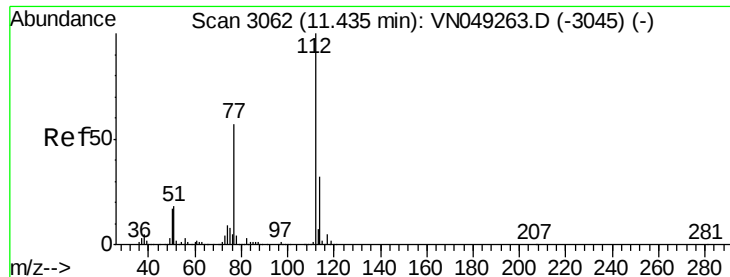
MMDadoda
6/18/2018 3:16:11 PM



#64
Tetrachloroethene
Concen: 20.53 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion:164 Resp: 405603
Ion Ratio Lower Upper
164 100
166 130.5 101.4 152.2
129 96.1 74.1 111.1
131 89.1 73.7 110.5





#65

Chlorobenzene

Concen: 19.33 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 983215

Ion Ratio Lower Upper

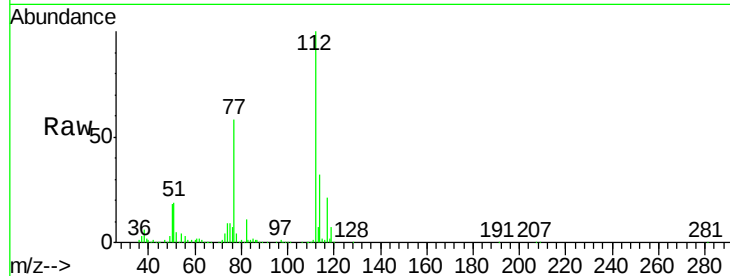
112 100

114 32.1 26.2 39.4

Manual Integrations
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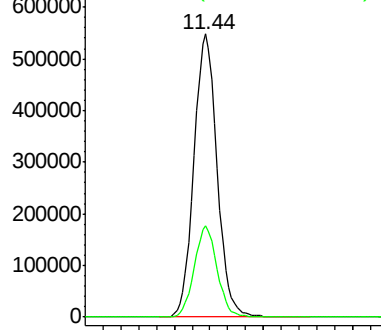
MMDadoda

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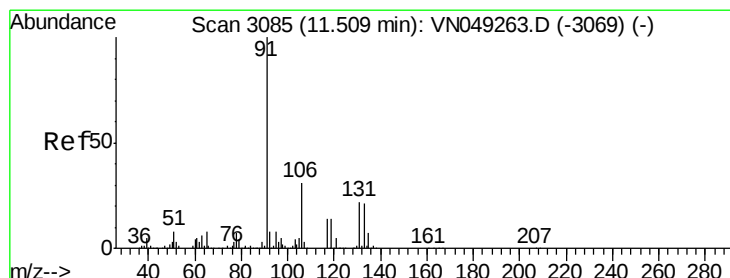
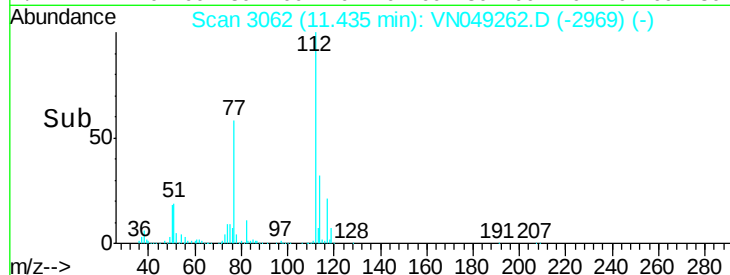


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.21 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

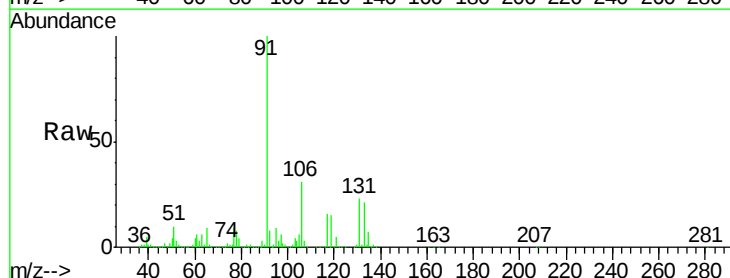
Tgt Ion:131 Resp: 371756

Ion Ratio Lower Upper

131 100

133 94.0 48.0 144.2

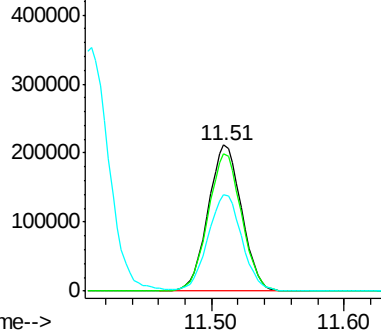
119 67.1 33.6 100.8



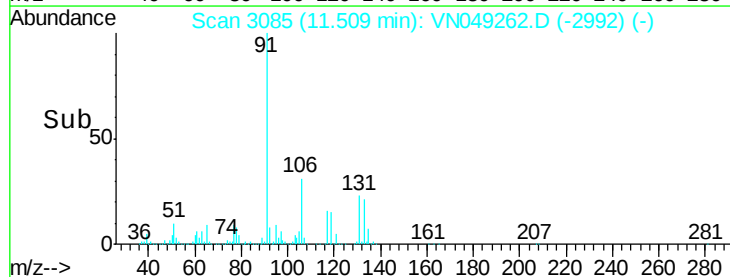
Abundance Ion 130.80 (130.50 to 131.50): V

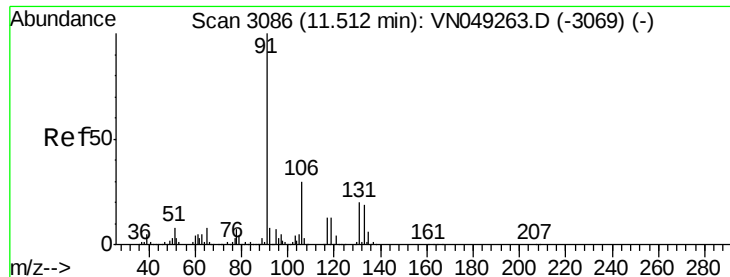
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 18.80 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 1650177

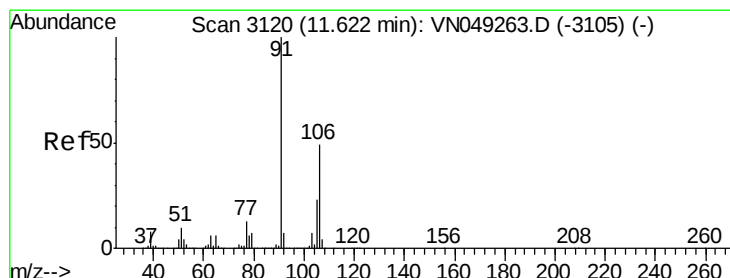
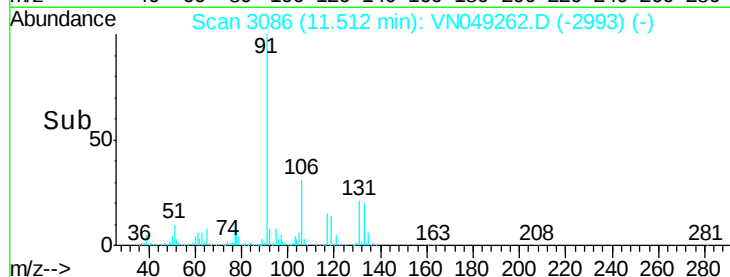
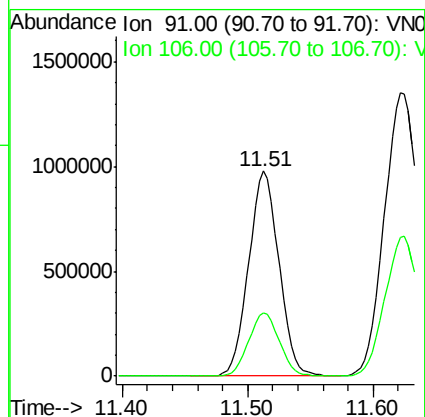
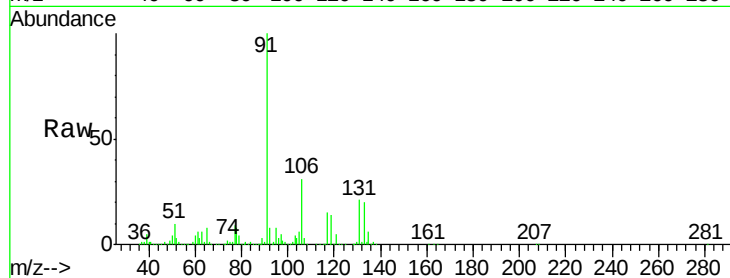
Ion Ratio Lower Upper

91 100

106 30.9 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.79 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049262.D

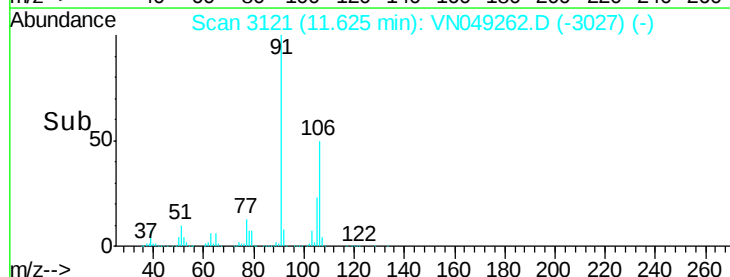
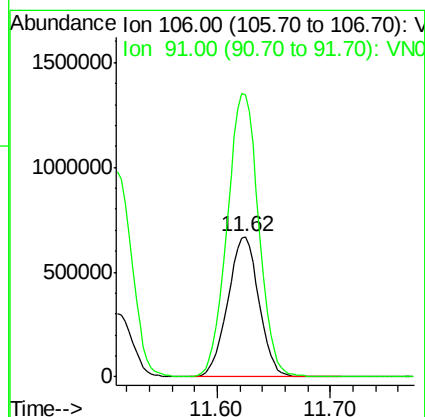
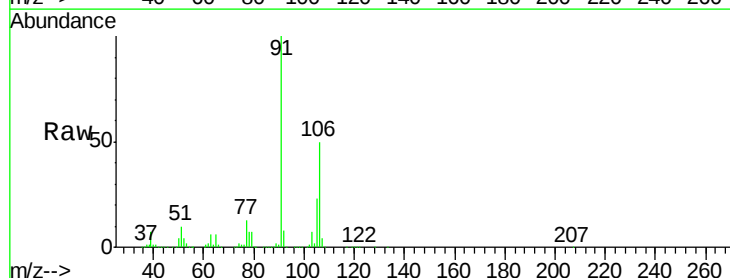
Acq: 15 Jun 2018 14:53

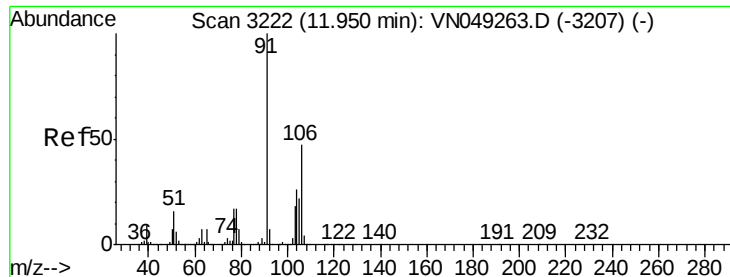
Tgt Ion: 106 Resp: 1277126

Ion Ratio Lower Upper

106 100

91 204.7 167.3 250.9





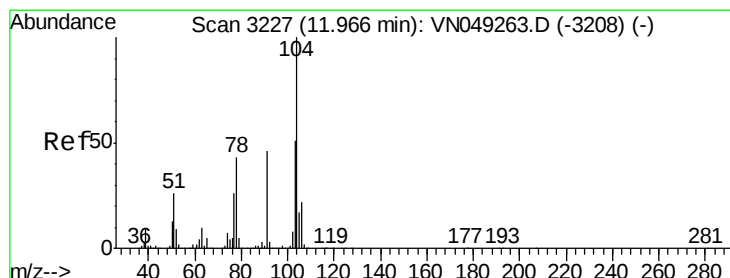
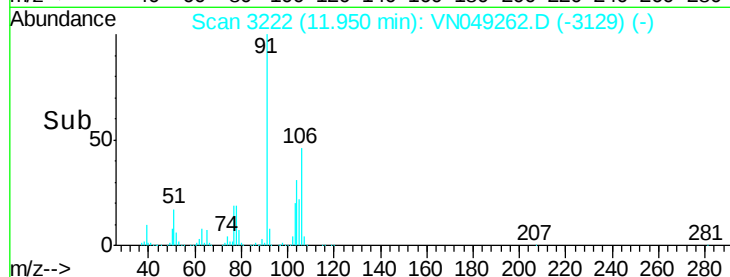
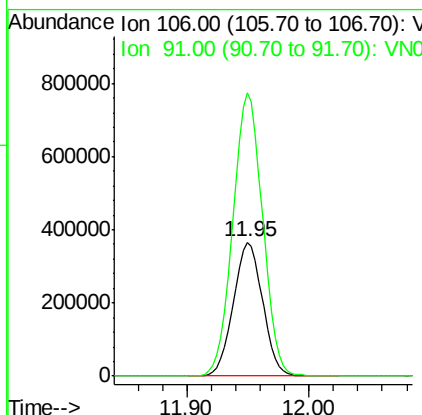
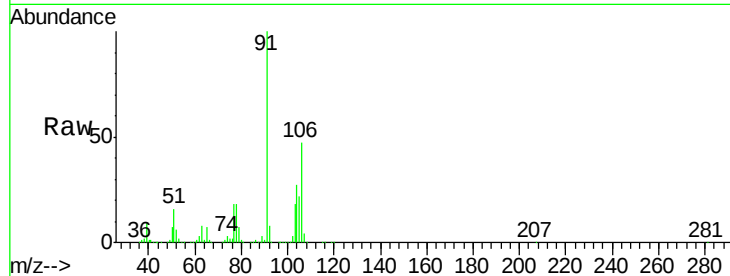
#69
o-Xylene
Concen: 19.72 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	609483		
91	91	214.2	111.0	333.0	

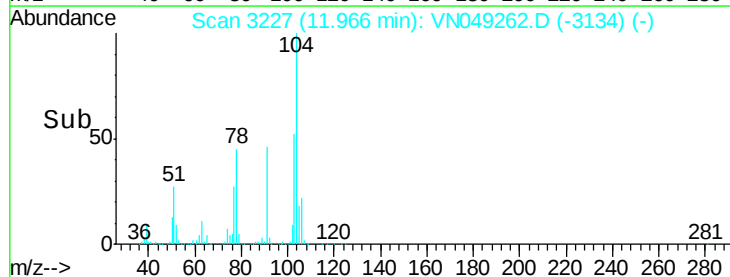
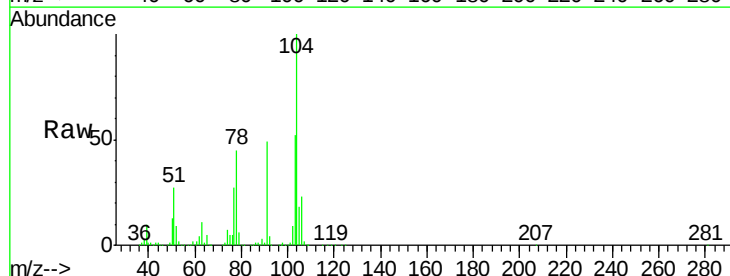
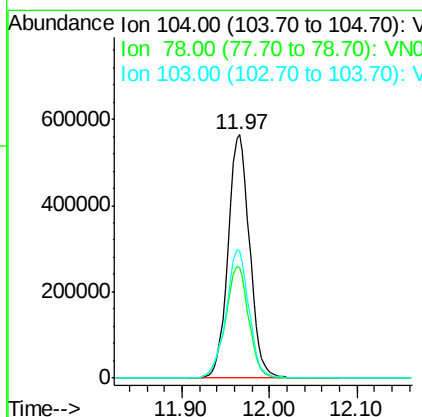
Manual Integrations
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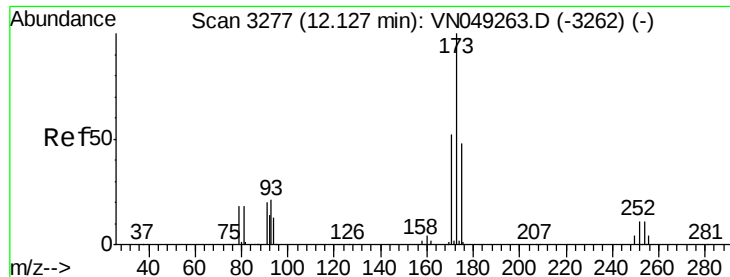
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#70
Styrene
Concen: 19.73 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	965743		
78	78	49.6	41.6	62.4	
103	103	56.0	45.4	68.2	





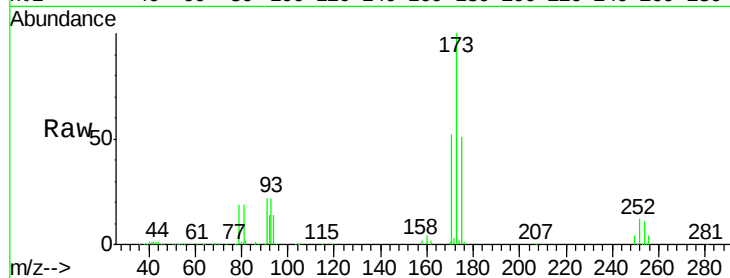
#71
Bromoform
Concen: 19.71 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

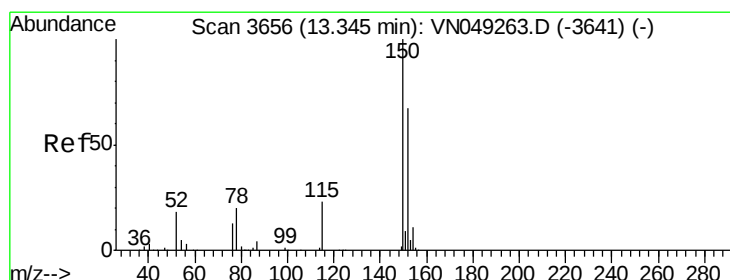
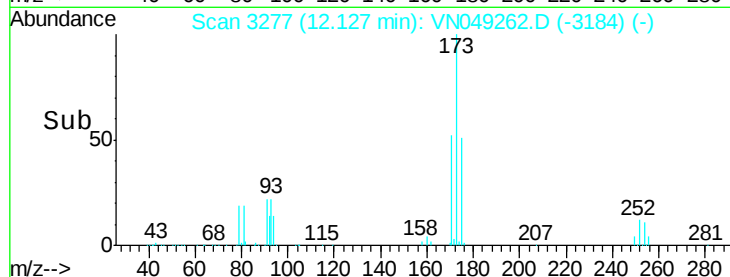
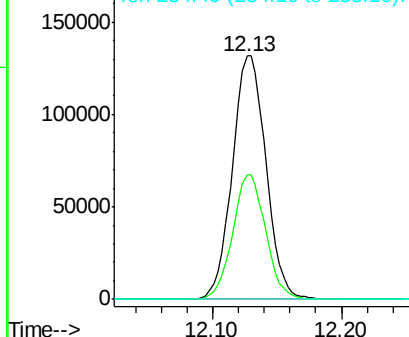
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.5	73.5
254	0.2	0.1	0.1#

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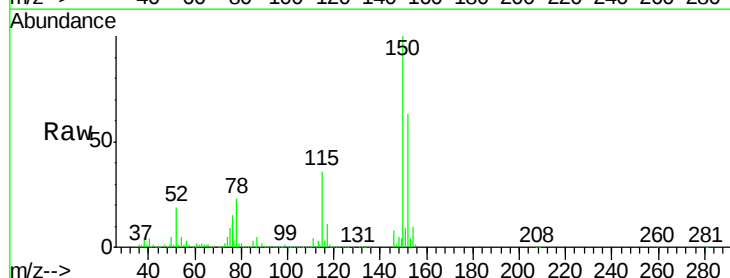


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

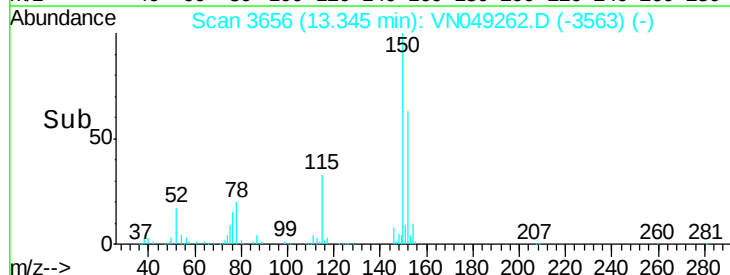
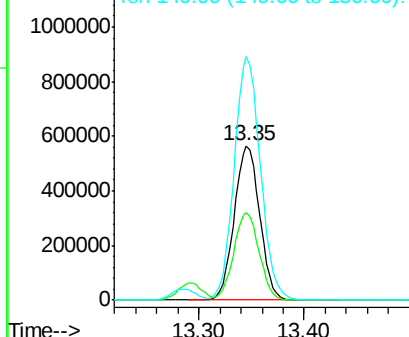


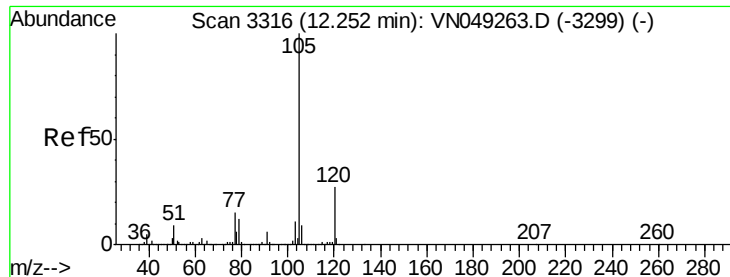
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.7	86.1
150	163.1	0.0	351.0



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





#73

Isopropylbenzene

Concen: 18.00 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 1620018

Ion Ratio Lower Upper

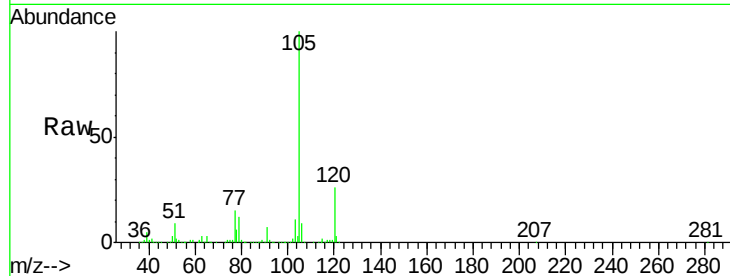
105 100

120 26.6 12.8 38.3

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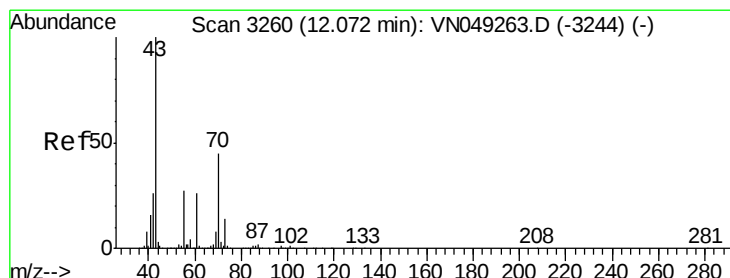
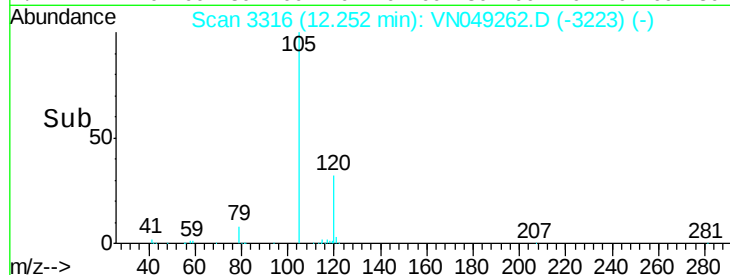
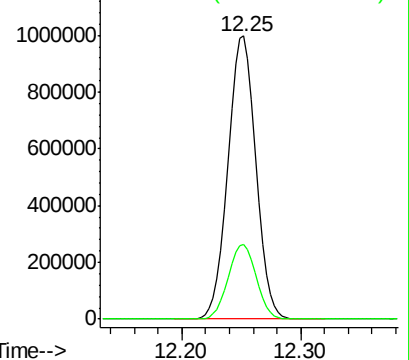
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.18 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion: 43 Resp: 363518

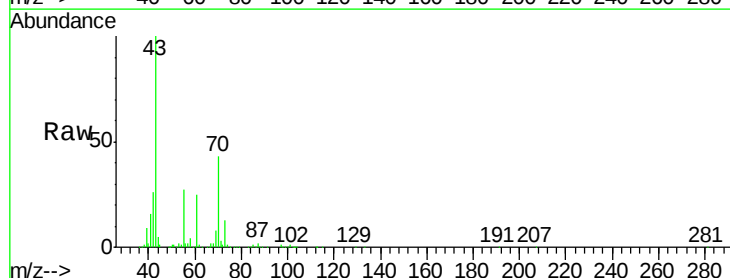
Ion Ratio Lower Upper

43 100

70 43.8 30.3 45.5

55 27.6 19.4 29.2

61 24.8 17.8 26.6

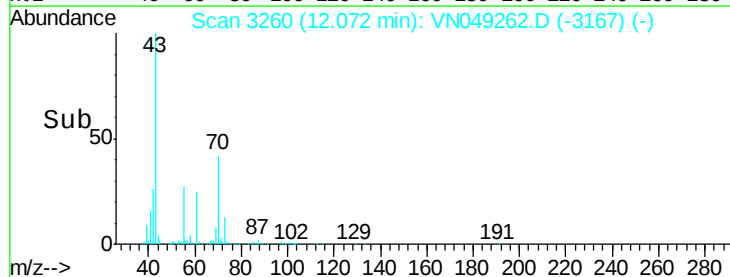
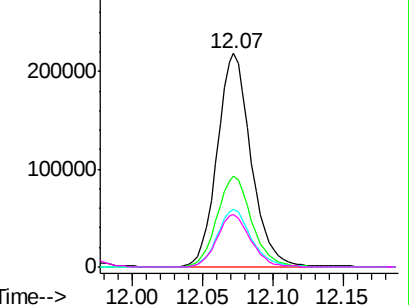


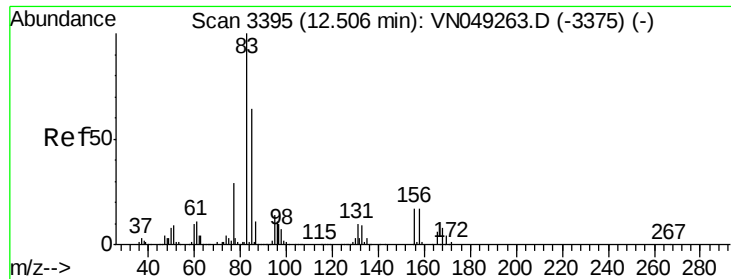
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.53 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

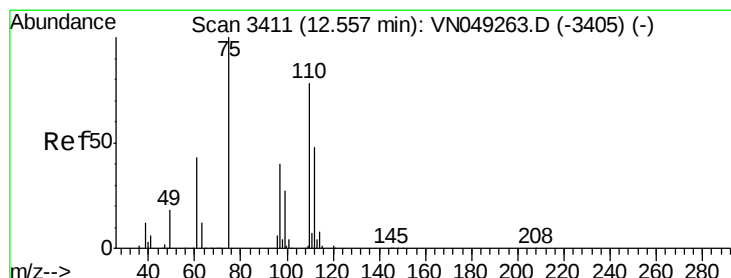
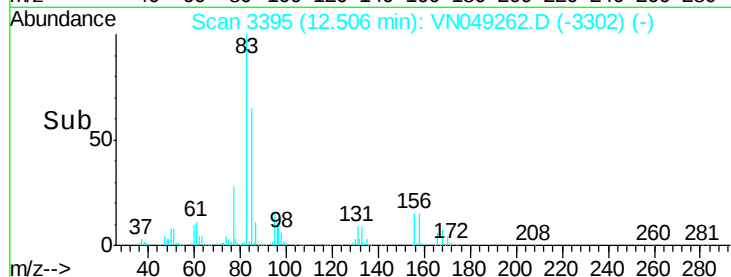
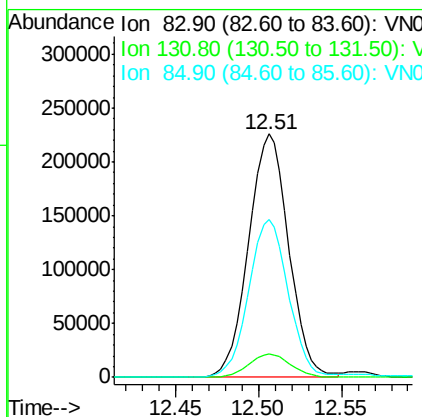
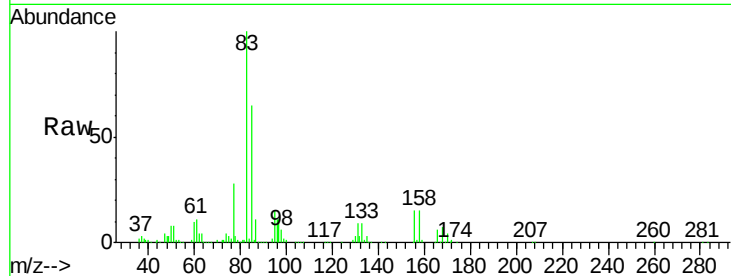
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	379718
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.0	15.0
85	63.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.09 ug/l m

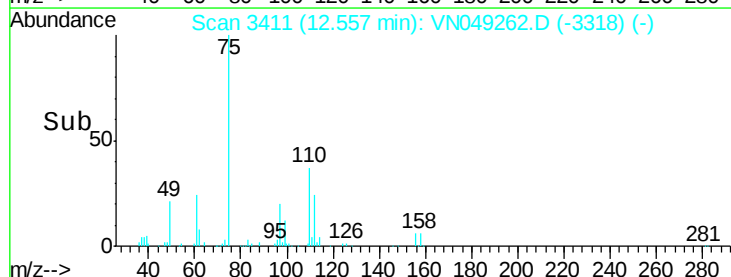
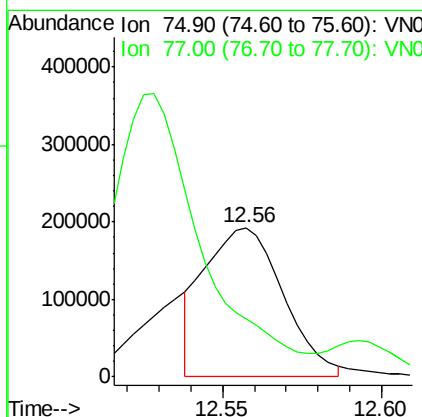
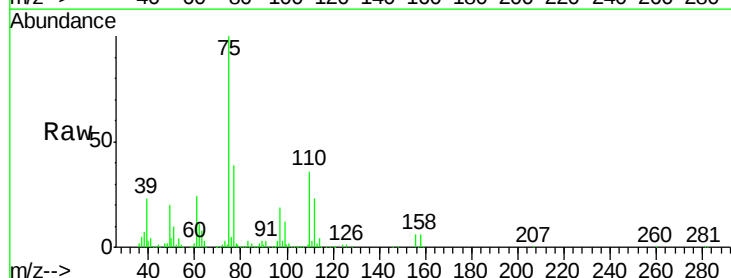
RT: 12.56 min Scan# 3411

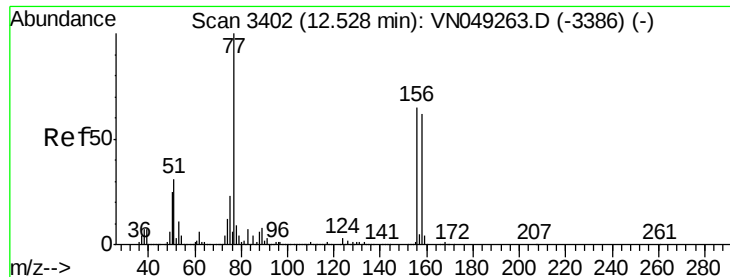
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	75	Resp:	330736
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.21 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

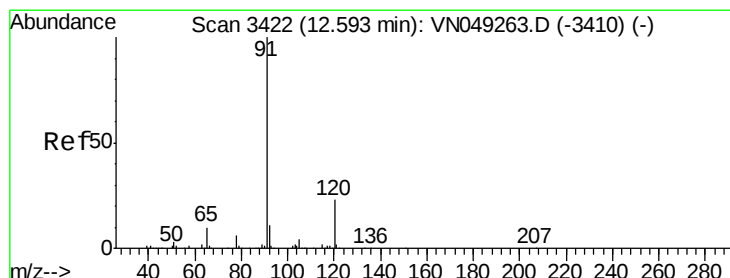
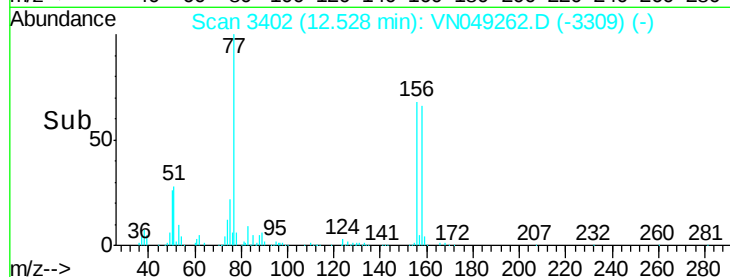
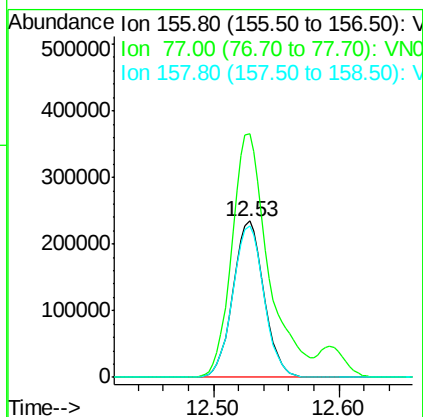
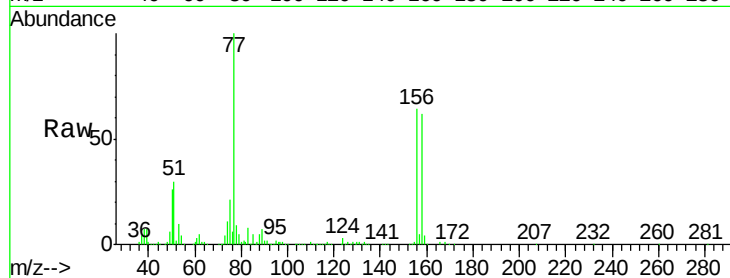
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	182.6	100.8	302.4	
158	97.8	49.3	147.9	

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#78

n-propylbenzene

Concen: 18.02 ug/l

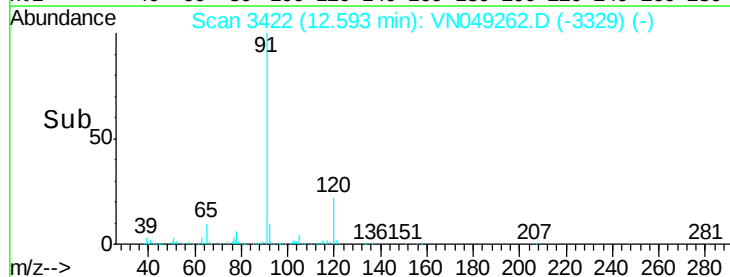
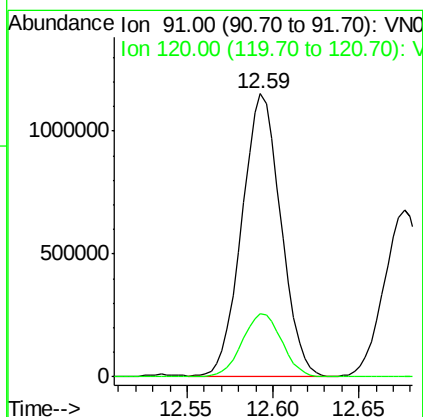
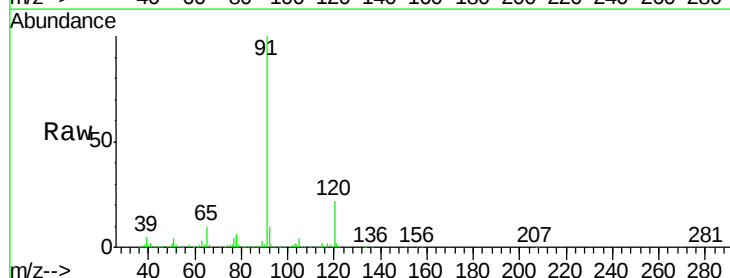
RT: 12.59 min Scan# 3422

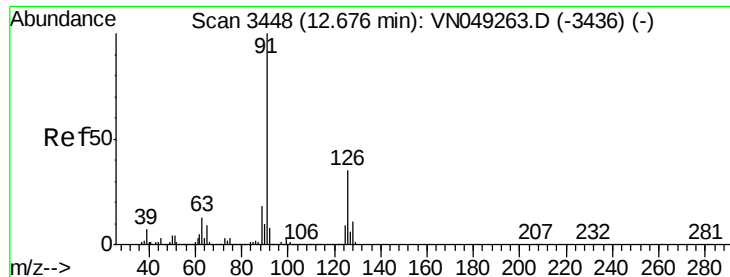
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.2	33.5	





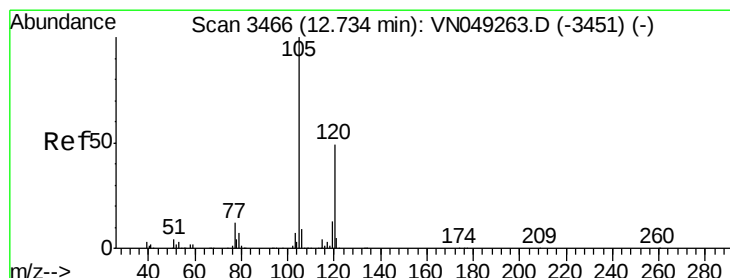
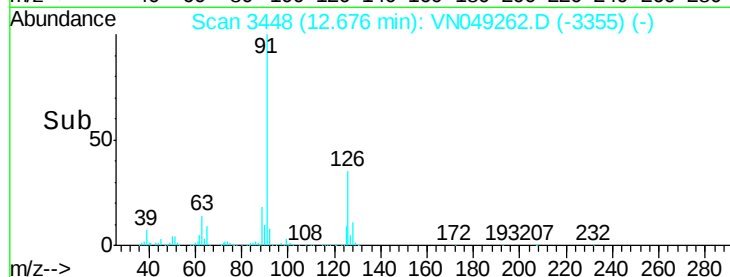
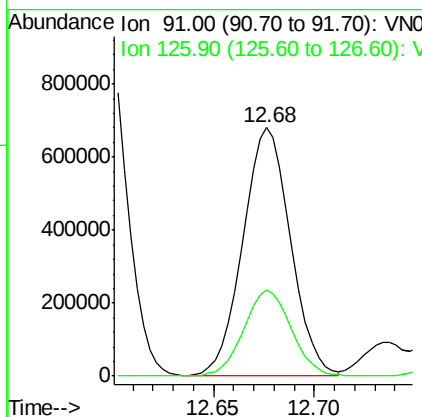
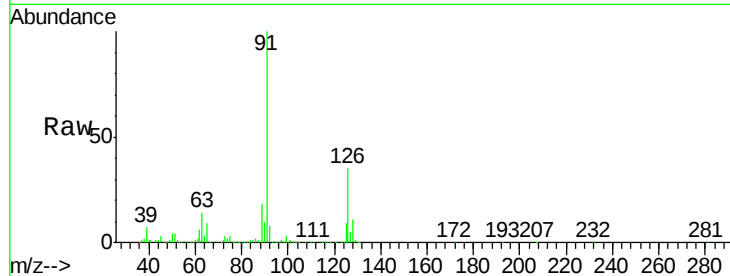
#79
 2-Chlorotoluene
 Concen: 17.73 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 91 Resp: 1118142
 Ion Ratio Lower Upper
 91 100
 126 34.7 16.6 49.8

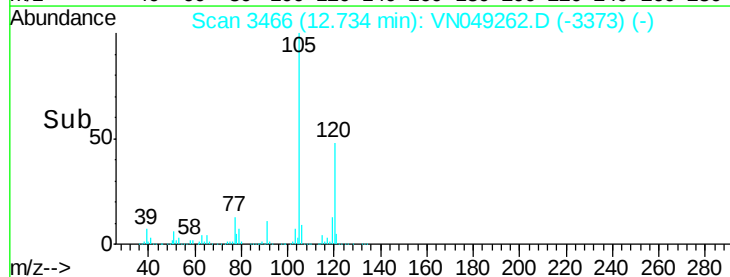
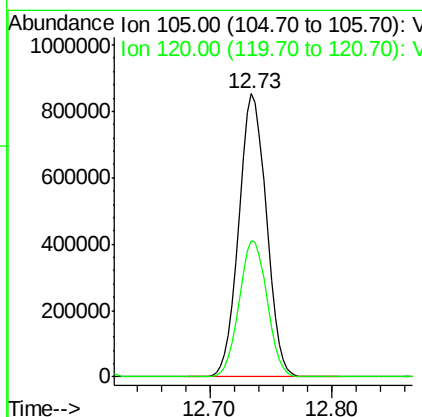
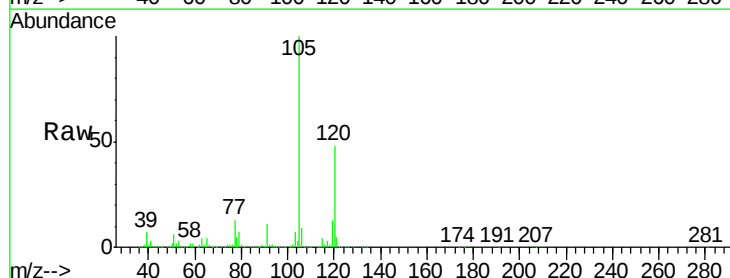
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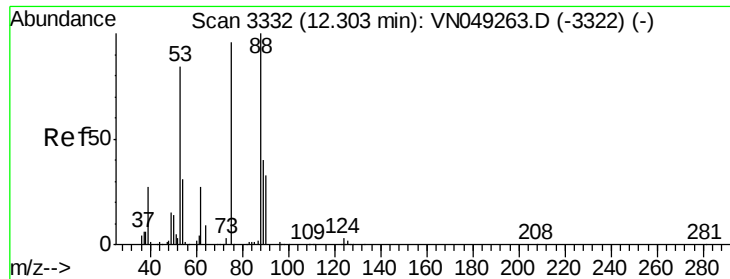
MMDadoda
 6/18/2018 3:16:11 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.25 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion: 105 Resp: 1328366
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.70 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

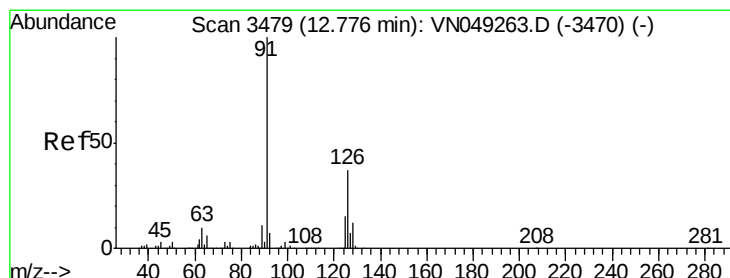
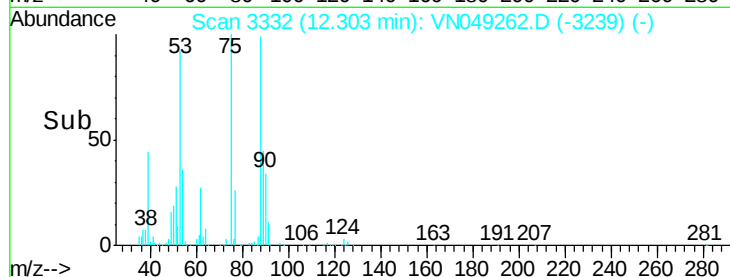
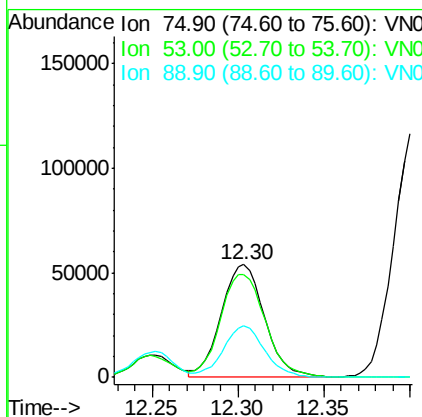
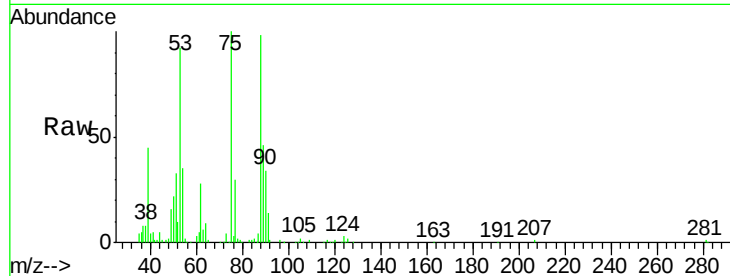
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	93675
Ion	Ratio	Lower	Upper
75	100		
53	95.4	82.7	124.1
89	44.2	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.30 ug/l

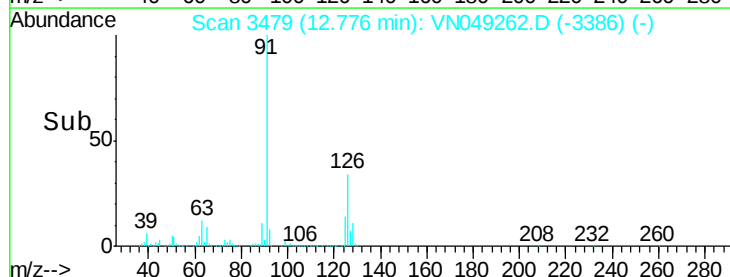
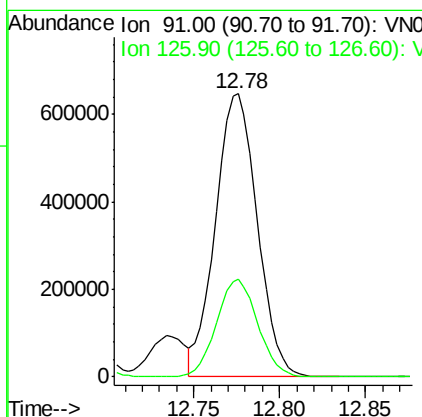
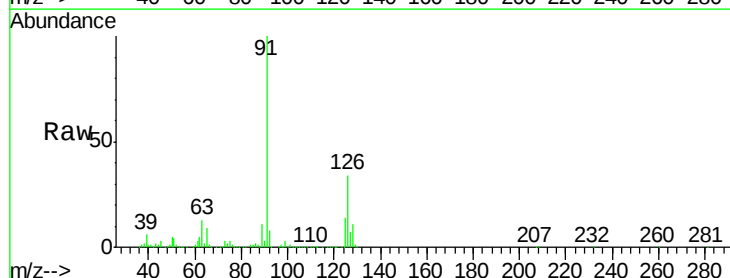
RT: 12.78 min Scan# 3479

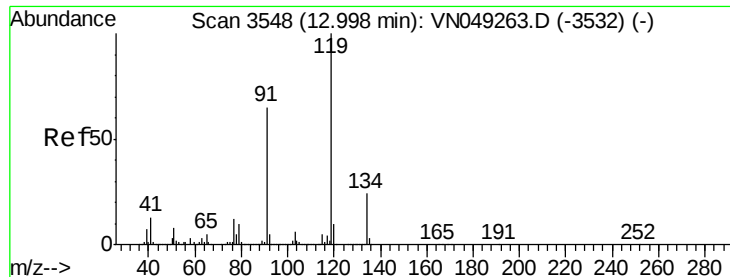
Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	91	Resp:	1094889
Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.4	49.1





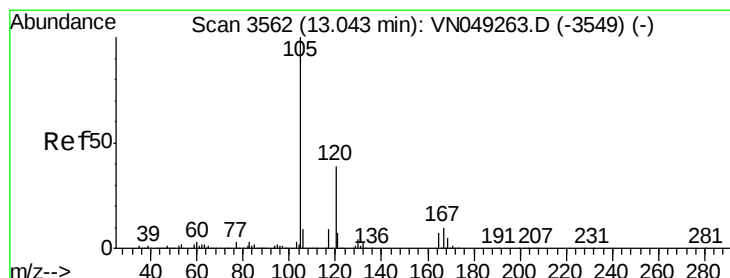
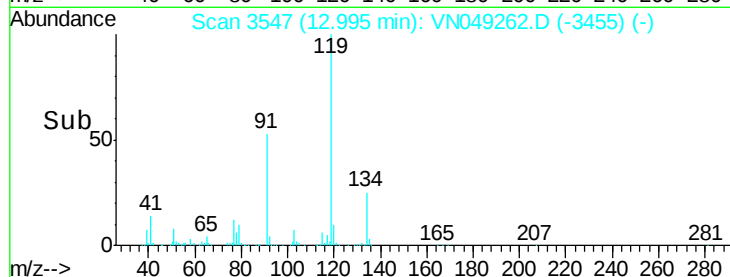
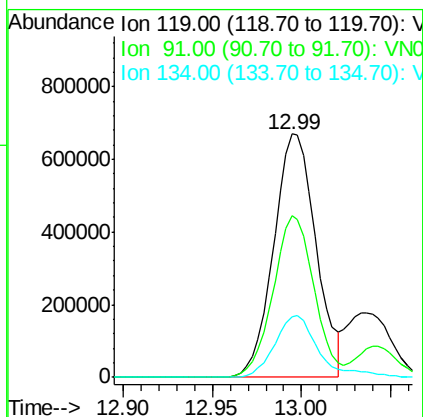
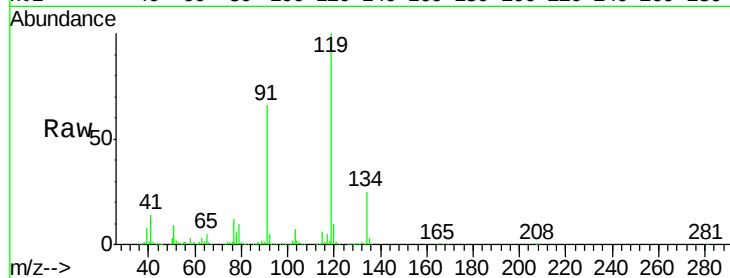
#83
 tert-Butylbenzene
 Concen: 18.69 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion:119 Resp: 1111466
 Ion Ratio Lower Upper
 119 100
 91 64.2 33.7 101.0
 134 26.5 12.9 38.6

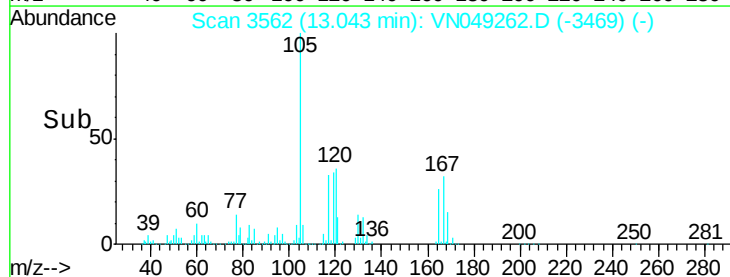
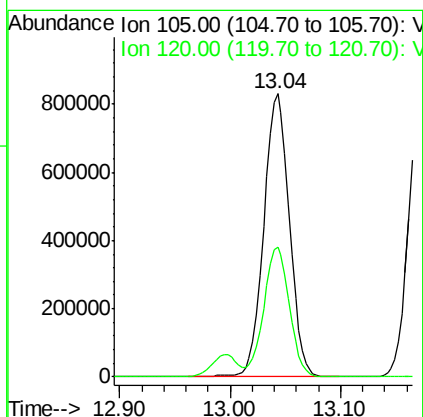
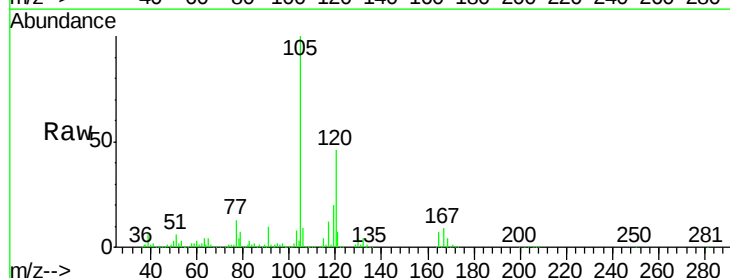
Manual Integrations
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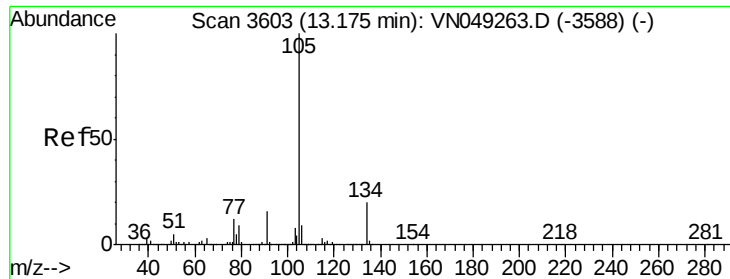
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.50 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion:105 Resp: 1337384
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.73 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 1484522

Ion Ratio Lower Upper

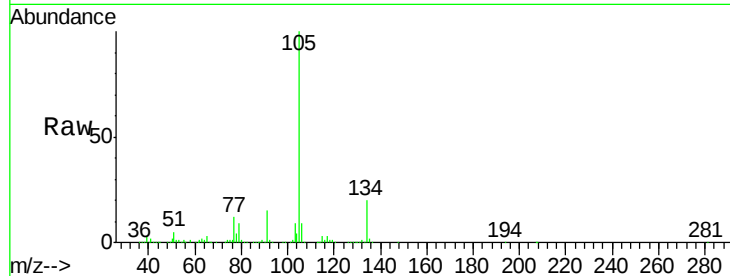
105 100

134 20.2 9.8 29.3

Manual Integrations
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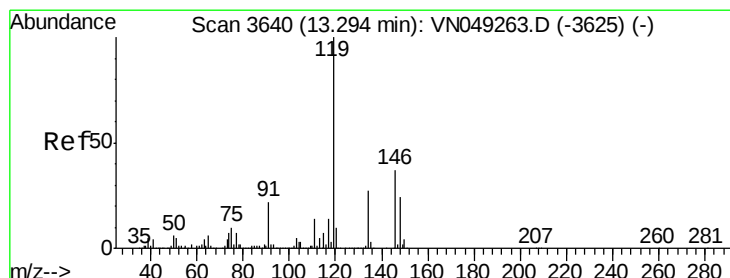
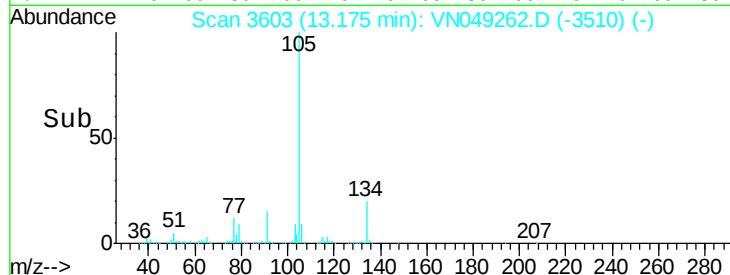
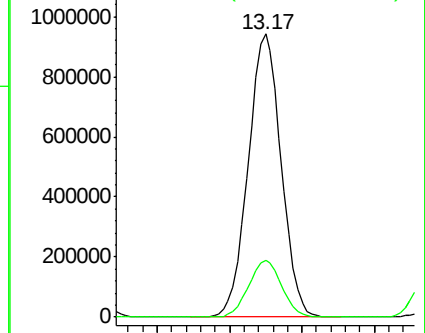
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.44 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

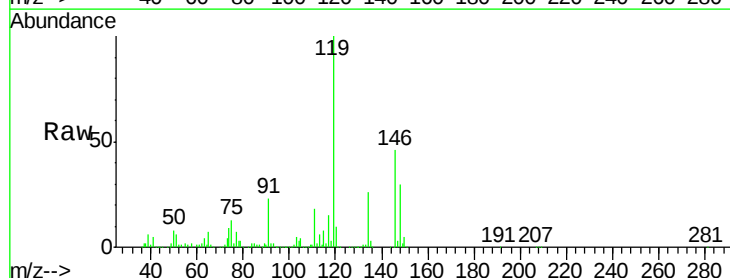
Tgt Ion:119 Resp: 1248062

Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.6

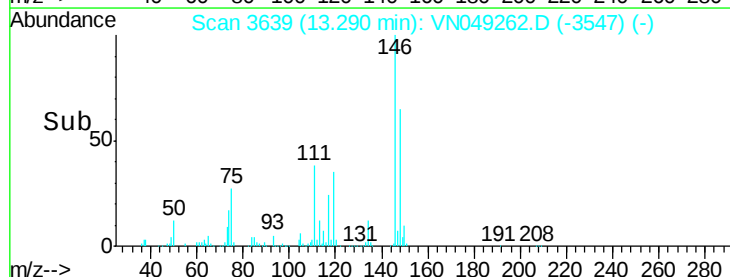
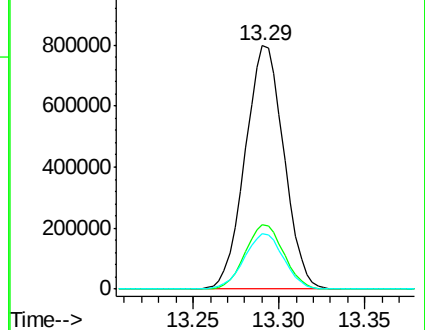
91 22.9 12.1 36.3

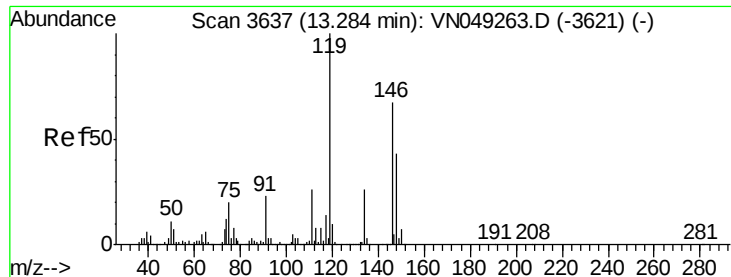


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





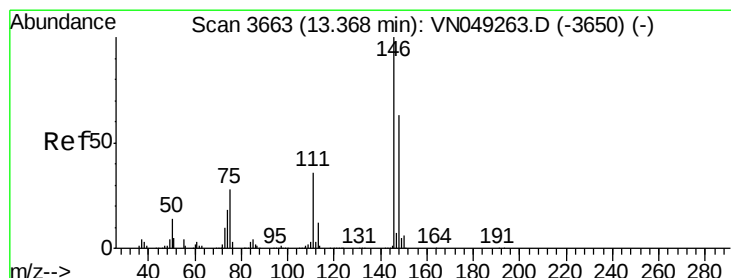
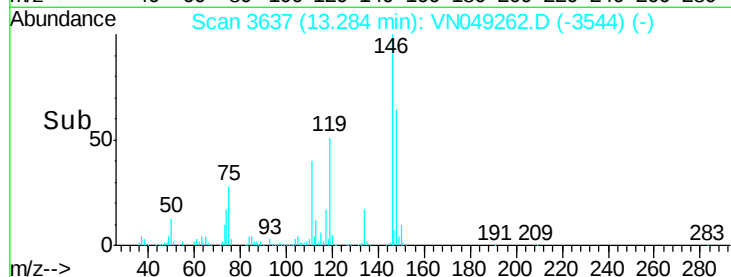
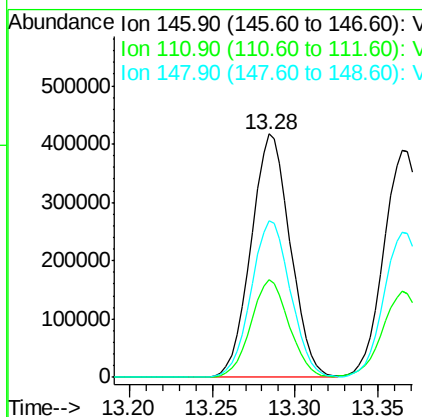
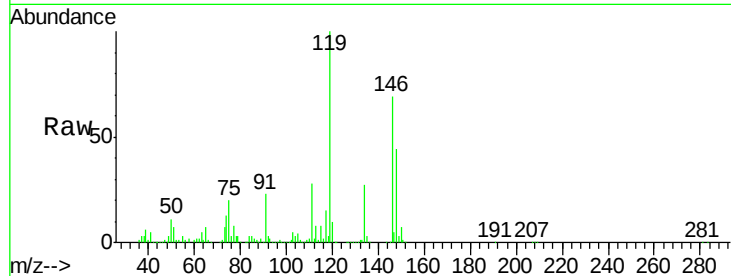
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	64.4	32.1	96.5

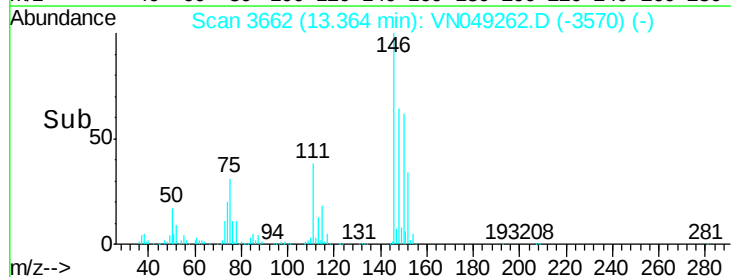
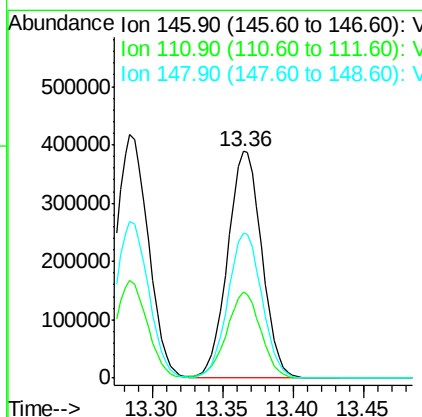
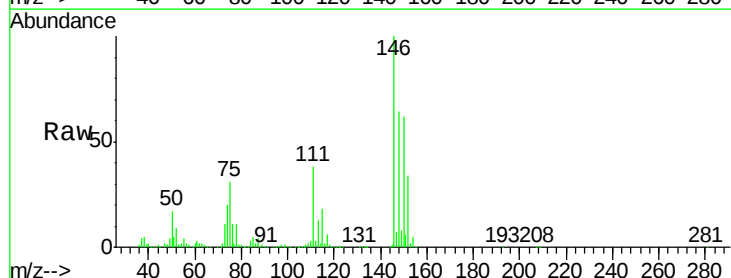
Manual Integrations
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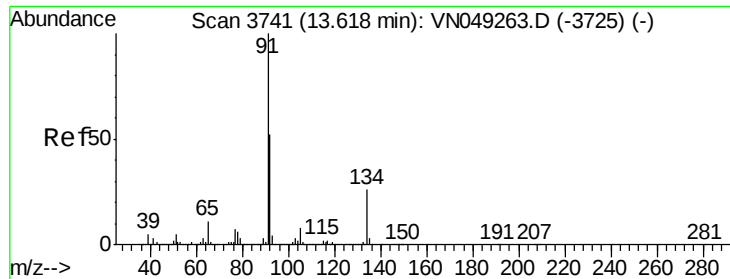
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#88
 1,4-Dichlorobenzene
 Concen: 18.95 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.0	32.0	96.2





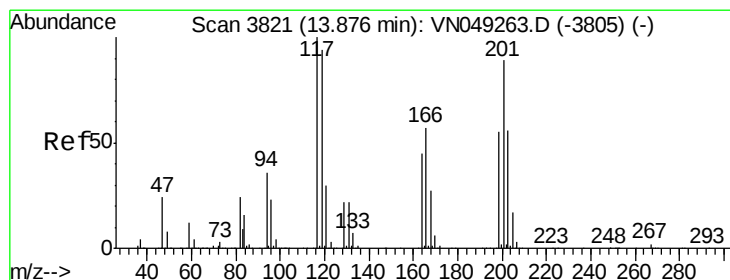
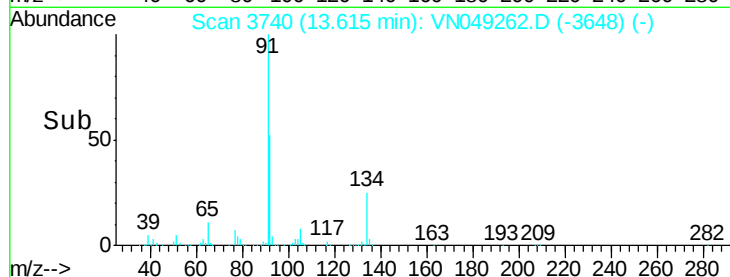
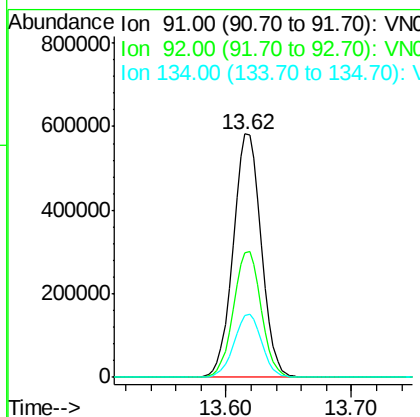
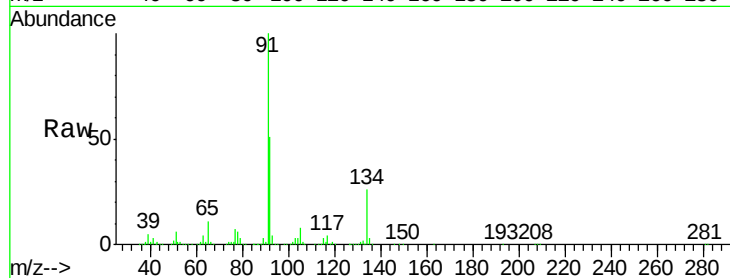
#89
n-Butylbenzene
Concen: 18.16 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	25.8	12.0	36.0

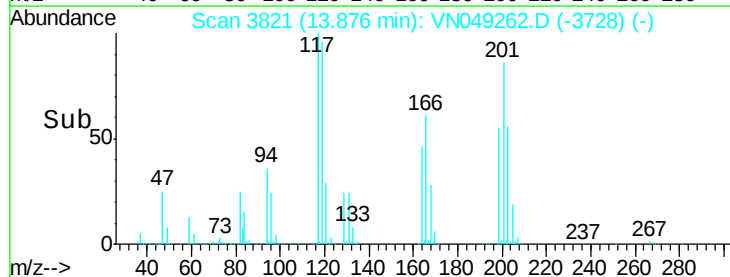
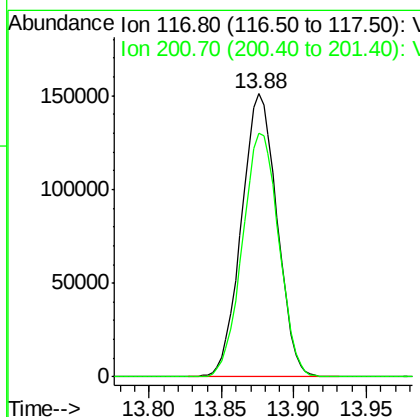
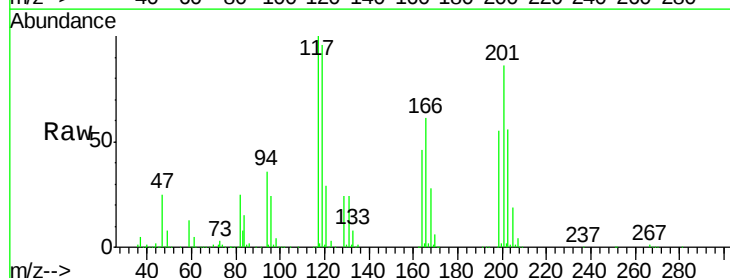
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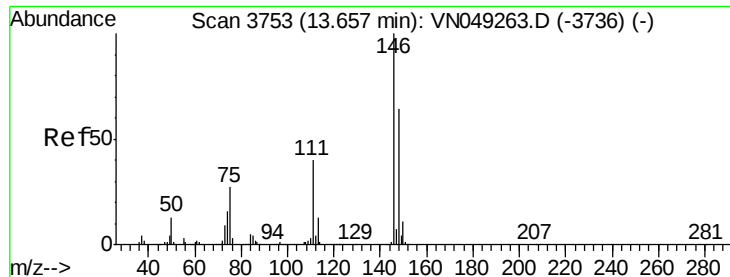
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#90
Hexachloroethane
Concen: 17.07 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049262.D
Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	40.1	120.2





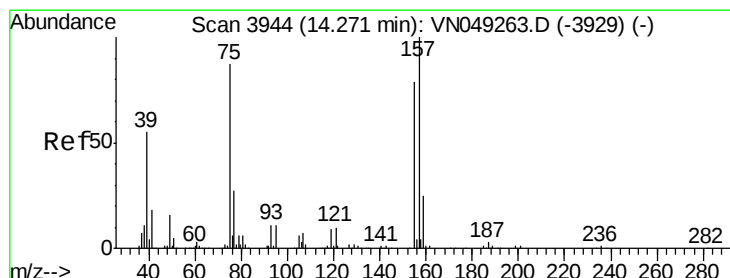
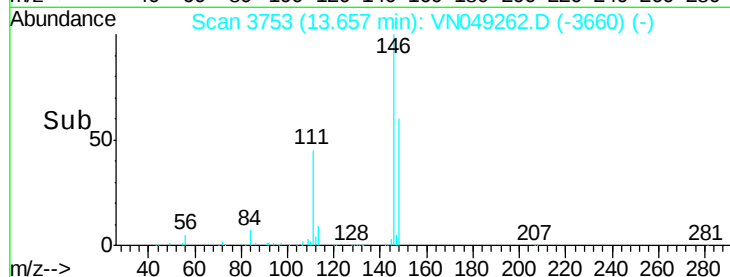
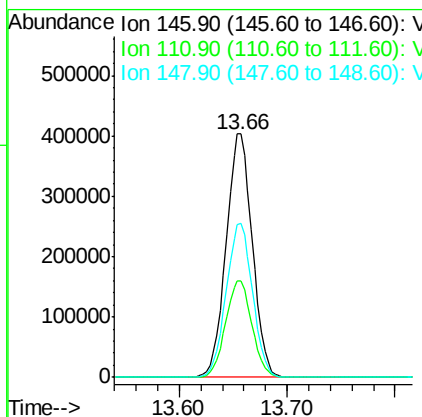
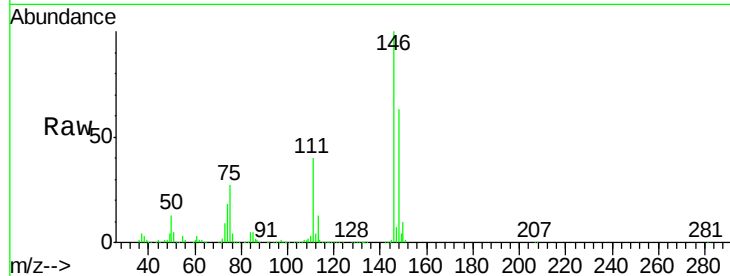
#91
 1,2-Dichlorobenzene
 Concen: 19.63 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	680112		
111	39.9	20.8	62.2	
148	63.7	32.0	96.2	

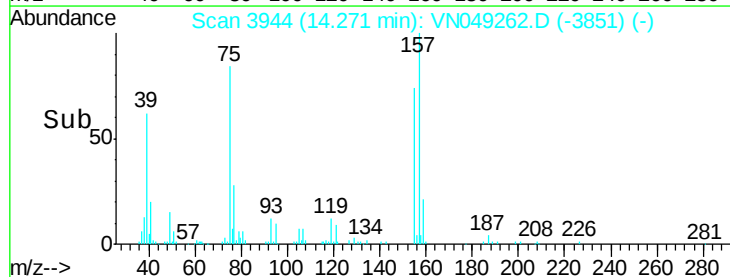
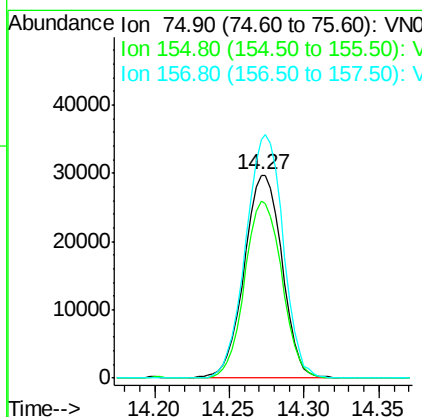
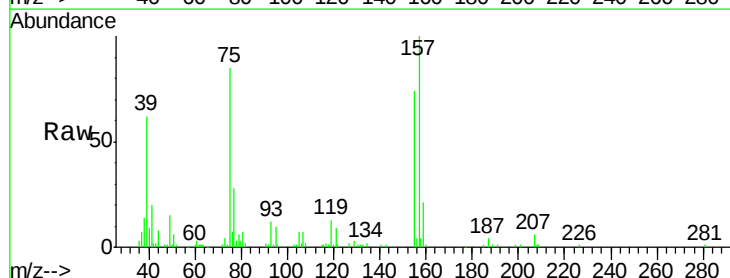
Manual Integrations
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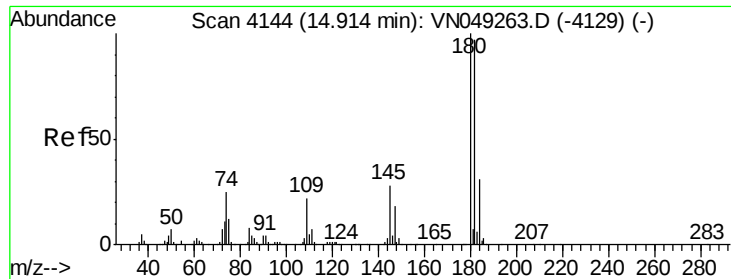
MMDadoda
 6/18/2018 3:16:11 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.73 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52385		
155	85.6	38.8	116.3	
157	118.4	51.0	153.1	





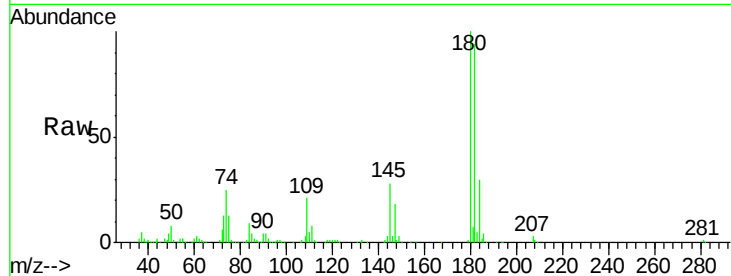
#93
 1,2,4-Trichlorobenzene
 Concen: 16.91 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

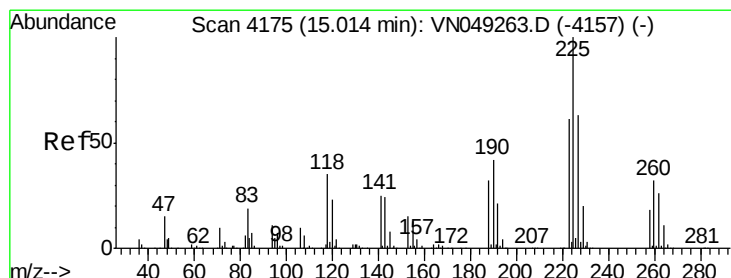
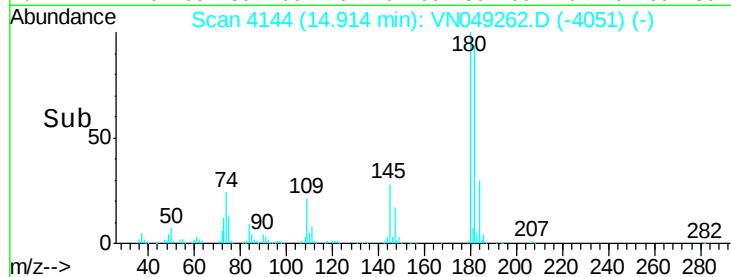
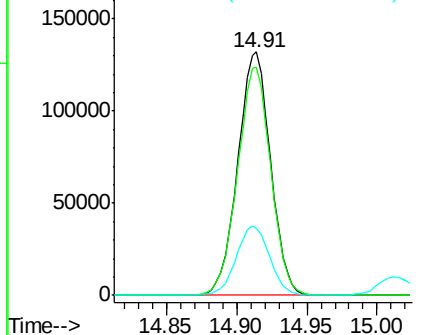
Tot Ion	Ratio	Resp	Lower	Upper
180	100	214892		
182	95.2	46.9	140.8	
145	29.1	14.7	44.1	

Manual Integrations
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MMDadoda
 6/18/2018 3:16:11 PM

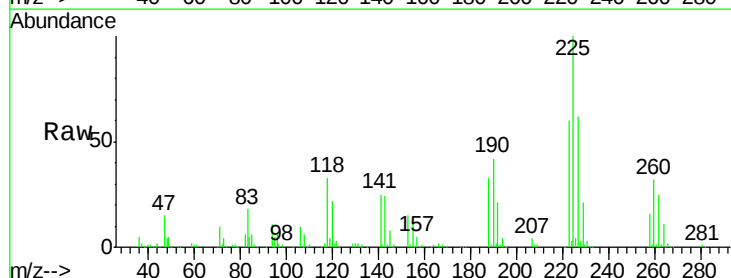


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

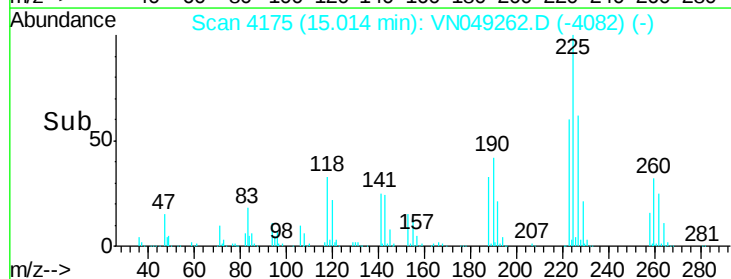
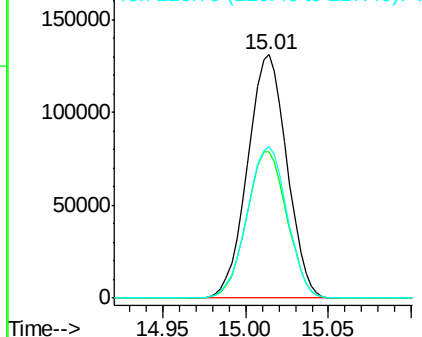


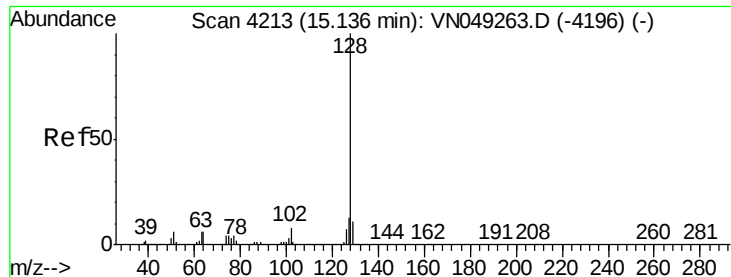
#94
 Hexachlorobutadiene
 Concen: 20.65 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049262.D
 Acq: 15 Jun 2018 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	216306		
223	61.6	32.1	96.3	
227	63.3	31.8	95.3	



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





#95

Naphthalene

Concen: 14.86 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Instrument :

MSVOA_N

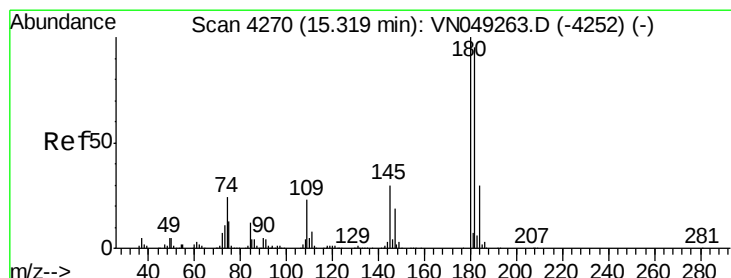
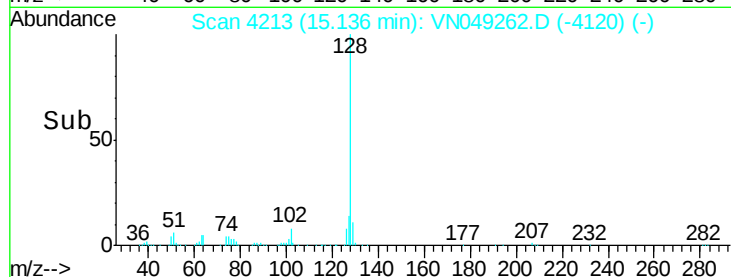
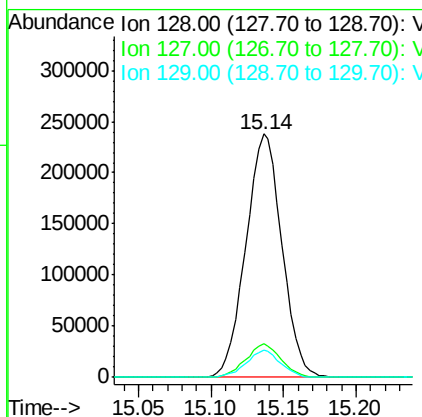
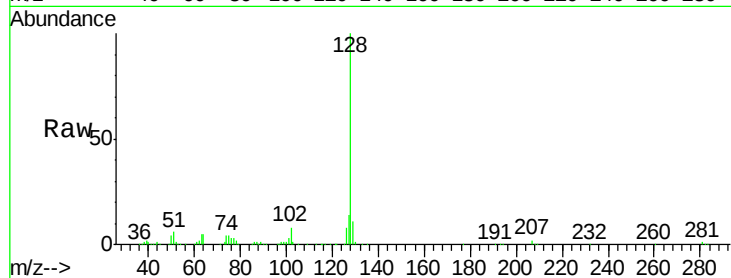
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	411229
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	10.6	8.5	12.7

Manual Integrations
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MMDadoda
6/18/2018 3:16:11 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.17 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049262.D

Acq: 15 Jun 2018 14:53

Tgt Ion:	180	Resp:	234935
Ion Ratio	Lower	Upper	
180	100		
182	98.3	47.3	141.8
145	30.9	15.6	46.7

