

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049769.D
 Acq On : 12 Jul 2018 11:05
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:08 PM

Quant Time: Jul 12 15:44:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1279708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1923711	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1714484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	776882	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	89010	5.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.54%	
35) Dibromofluoromethane	7.59	113	81826	5.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.38%	
50) Toluene-d8	10.09	98	284673	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
62) 4-Bromofluorobenzene	12.40	95	86827	4.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	67734	4.70	ug/l	94
3) Chloromethane	2.06	50	86880	4.82	ug/l	97
4) Vinyl Chloride	2.18	62	92689	4.79	ug/l	97
5) Bromomethane	2.56	94	66333	6.53	ug/l	96
6) Chloroethane	2.70	64	62013	5.06	ug/l	95
7) Trichlorofluoromethane	3.02	101	129214	5.85	ug/l	95
8) Diethyl Ether	3.41	74	44839	5.01	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	81850	5.15	ug/l	99
10) Methyl Iodide	3.95	142	87378	4.39	ug/l	98
11) Tert butyl alcohol	4.80	59	23873	24.62	ug/l	95
12) 1,1-Dichloroethene	3.73	96	70098	4.66	ug/l	98
13) Acrolein	3.61	56	37429	41.32	ug/l	99
14) Allyl chloride	4.32	41	108133	5.24	ug/l	99
15) Acrylonitrile	4.99	53	118390	23.64	ug/l	99
16) Acetone	3.82	43	93837	22.42	ug/l	95
17) Carbon Disulfide	4.05	76	202423	4.44	ug/l	100
18) Methyl Acetate	4.33	43	72156	2.83	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	177149	4.57	ug/l	99
20) Methylene Chloride	4.55	84	89854	5.16	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	75585	4.89	ug/l	96
22) Diisopropyl ether	5.95	45	222372	4.76	ug/l	97
23) Vinyl Acetate	5.90	43	698848	23.07	ug/l	99
24) 1,1-Dichloroethane	5.84	63	150058	5.10	ug/l	99
25) 2-Butanone	6.84	43	132549	23.63	ug/l	98
26) 2,2-Dichloropropane	6.82	77	119213	4.88	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	84688	4.90	ug/l	100
28) Bromochloromethane	7.19	49	65390	5.24	ug/l	99
29) Tetrahydrofuran	7.22	42	80551	22.53	ug/l	98
30) Chloroform	7.37	83	152778	5.09	ug/l	97
31) Cyclohexane	7.66	56	127865	4.41	ug/l	# 79
32) 1,1,1-Trichloroethane	7.57	97	128207	5.05	ug/l	98
36) 1,1-Dichloropropene	7.79	75	107646	4.97	ug/l	99
37) Ethyl Acetate	6.93	43	57376	4.55	ug/l	99
38) Carbon Tetrachloride	7.77	117	113914	5.41	ug/l	96

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 Acq On : 12 Jul 2018 11:05
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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Quant Time: Jul 12 15:44:53 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	108118	4.56	ug/l	99
40) Benzene	8.04	78	325139	4.92	ug/l	100
41) Methacrylonitrile	7.17	41	34558m	4.86	ug/l	
42) 1,2-Dichloroethane	8.12	62	108300	5.13	ug/l	100
43) Isopropyl Acetate	8.17	43	106338	3.57	ug/l	96
44) Trichloroethene	8.84	130	86904	4.36	ug/l	100
45) 1,2-Dichloropropane	9.12	63	88776	5.20	ug/l	100
46) Dibromomethane	9.21	93	52250	5.06	ug/l	97
47) Bromodichloromethane	9.40	83	114368	5.20	ug/l	99
48) Methyl methacrylate	9.20	41	49904	4.45	ug/l	96
49) 1,4-Dioxane	9.21	88	13620	90.31	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	287456	23.23	ug/l	97
52) Toluene	10.16	92	190211	4.76	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	99340	4.72	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	118438	4.81	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	77350	5.20	ug/l	96
56) Ethyl methacrylate	10.43	69	75232	4.32	ug/l	99
57) 1,3-Dichloropropane	10.71	76	119488	4.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	173511	21.39	ug/l	99
59) 2-Hexanone	10.75	43	180897	22.10	ug/l	95
60) Dibromochloromethane	10.90	129	81829	5.09	ug/l	100
61) 1,2-Dibromoethane	11.01	107	66726	4.68	ug/l	98
64) Tetrachloroethene	10.63	164	78960	3.40	ug/l	98
65) Chlorobenzene	11.44	112	219432	4.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	81410	5.07	ug/l	98
67) Ethyl Benzene	11.51	91	342581	4.63	ug/l	99
68) m/p-Xylenes	11.62	106	255780	9.03	ug/l	99
69) o-Xylene	11.95	106	122029	4.50	ug/l	97
70) Styrene	11.97	104	181112	4.13	ug/l	97
71) Bromoform	12.13	173	51842	4.85	ug/l #	99
73) Isopropylbenzene	12.25	105	330953	5.35	ug/l	98
74) N-amyl acetate	12.07	43	79025	4.68	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88369	6.05	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	66364m	5.33	ug/l	
77) Bromobenzene	12.53	156	87307	5.19	ug/l	98
78) n-propylbenzene	12.59	91	356463	5.03	ug/l	99
79) 2-Chlorotoluene	12.68	91	227759	5.07	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	250269	4.87	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19868	5.42	ug/l	94
82) 4-Chlorotoluene	12.78	91	224133	4.97	ug/l	99
83) tert-Butylbenzene	12.99	119	233586	5.29	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	253684	4.80	ug/l	99
85) sec-Butylbenzene	13.17	105	306396	5.24	ug/l	99
86) p-Isopropyltoluene	13.29	119	244446	4.82	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	149753	4.82	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	144000	4.64	ug/l	95
89) n-Butylbenzene	13.62	91	196735	4.53	ug/l	96
90) Hexachloroethane	13.88	117	56096	10.53	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	143882	4.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11930	4.68	ug/l	91

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Acq On : 12 Jul 2018 11:05
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Jul 12 15:44:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:09:53 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50046	3.60	ug/l	99
94) Hexachlorobutadiene	15.01	225	50245	5.21	ug/l	98
95) Naphthalene	15.14	128	92119	3.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	53917	3.77	ug/l	97

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

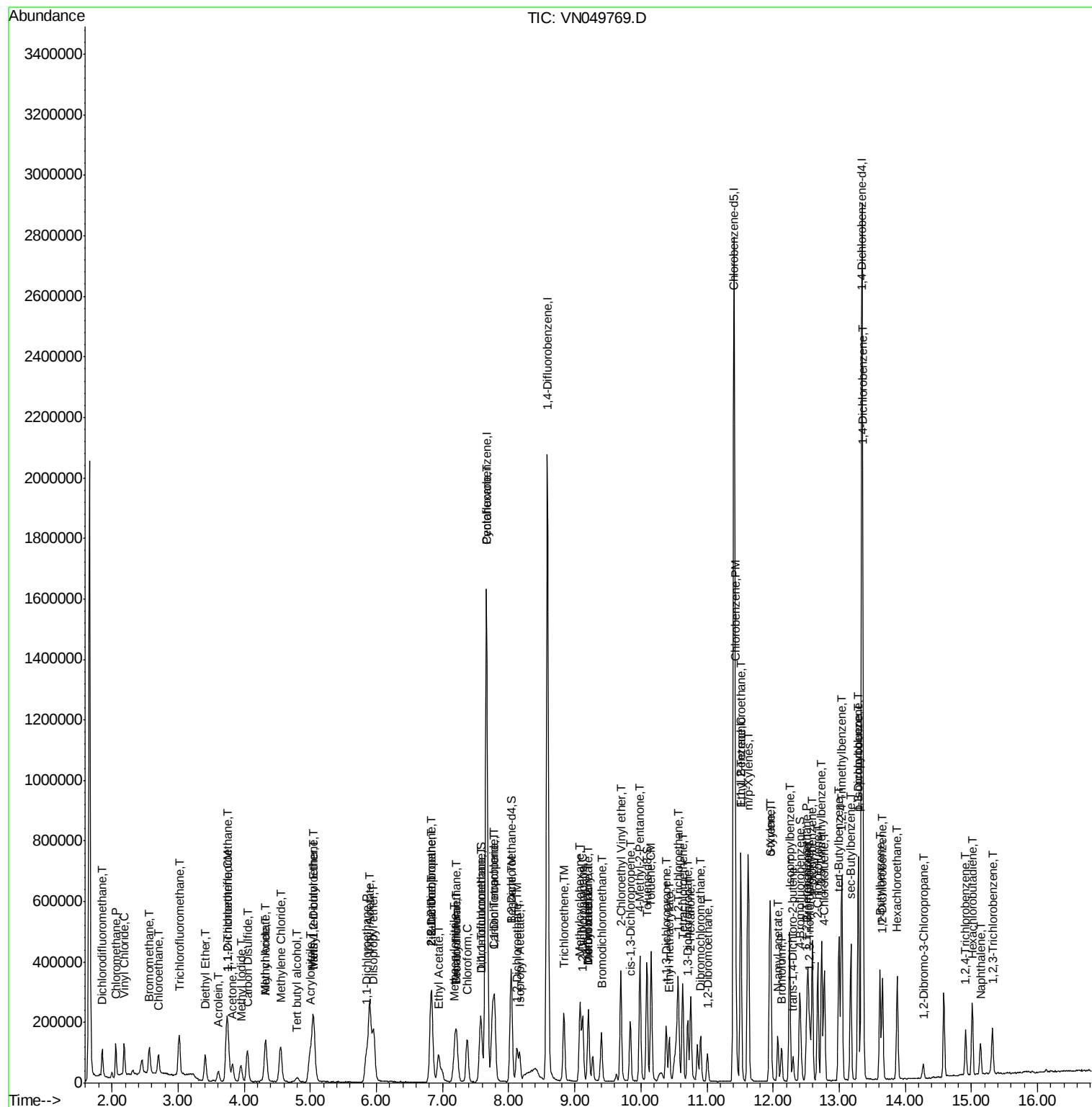
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Data File : VN049769.D
Acq On : 12 Jul 2018 11:05
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

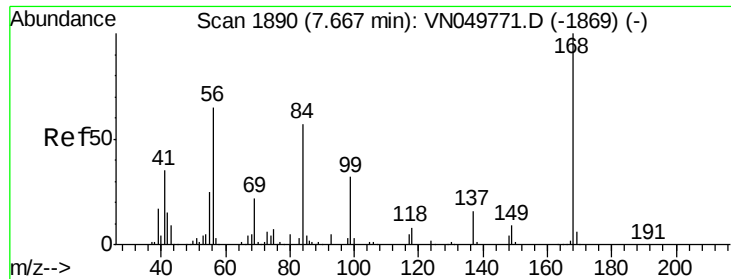
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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7/13/2018 1:35:08 PM

Quant Time: Jul 12 15:44:53 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 12 15:09:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:168 Resp: 1279708

Ion Ratio Lower Upper

168 100

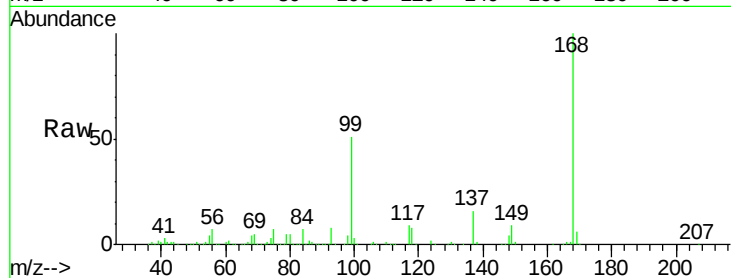
99 50.4 40.6 61.0

Manual Integrations

APPROVED

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

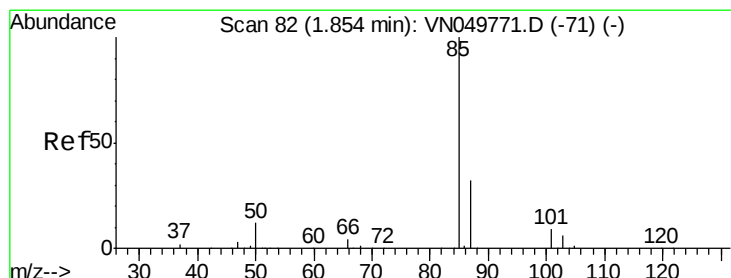
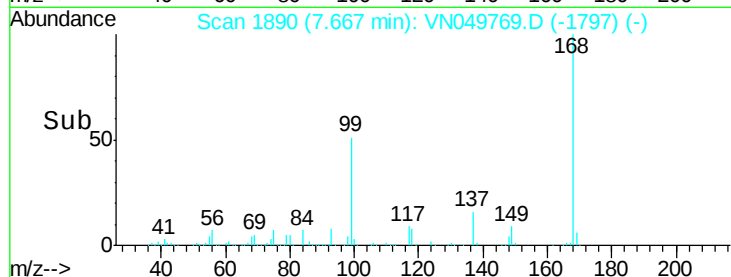
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 4.70 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN049769.D

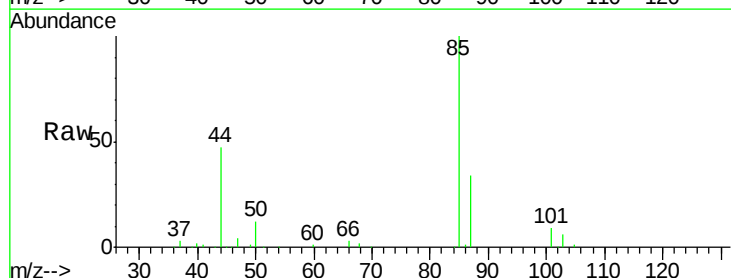
Acq: 12 Jul 2018 11:05

Tgt Ion: 85 Resp: 67734

Ion Ratio Lower Upper

85 100

87 34.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

50000

40000

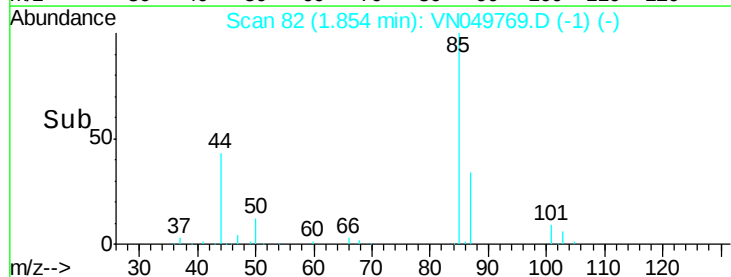
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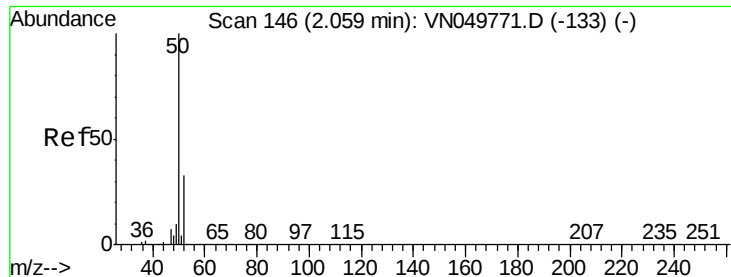
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 4.82 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 86880

Ion Ratio Lower Upper

50 100

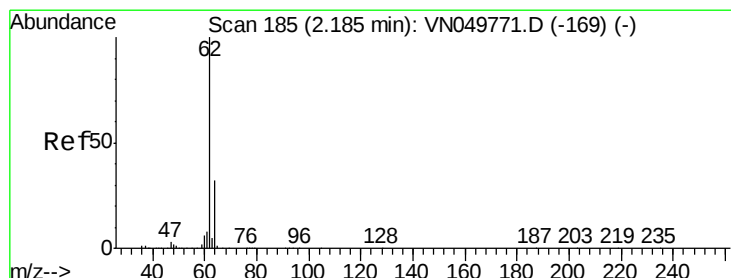
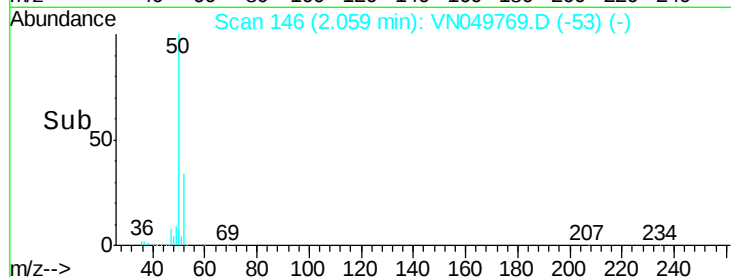
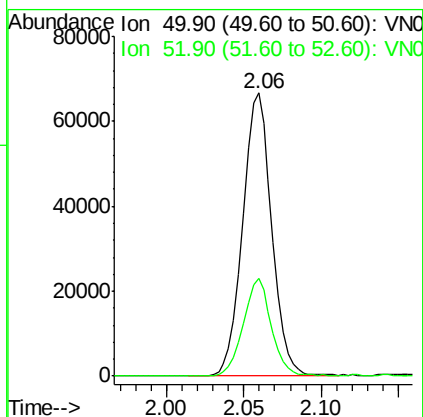
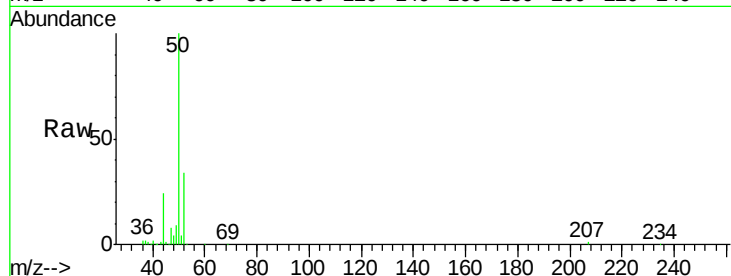
52 34.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.79 ug/l

RT: 2.18 min Scan# 185

Delta R.T. -0.00 min

Lab File: VN049769.D

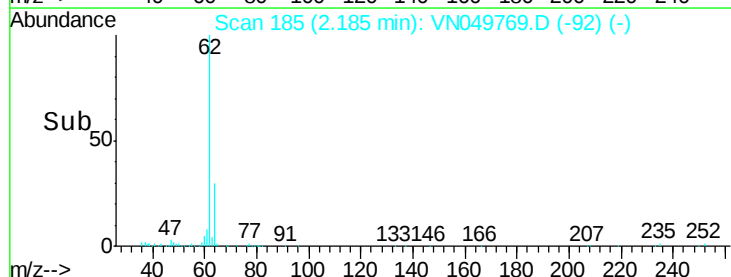
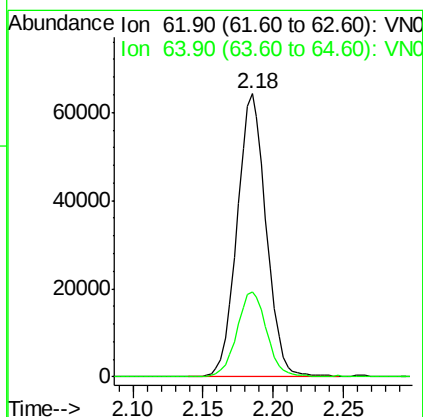
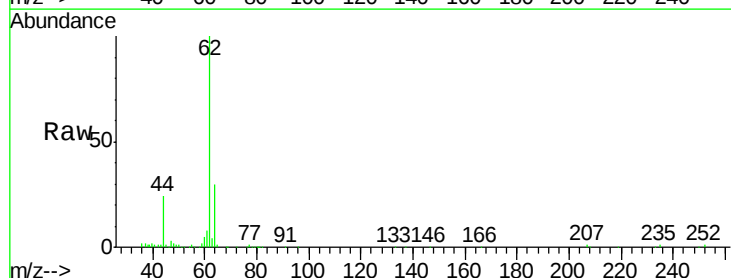
Acq: 12 Jul 2018 11:05

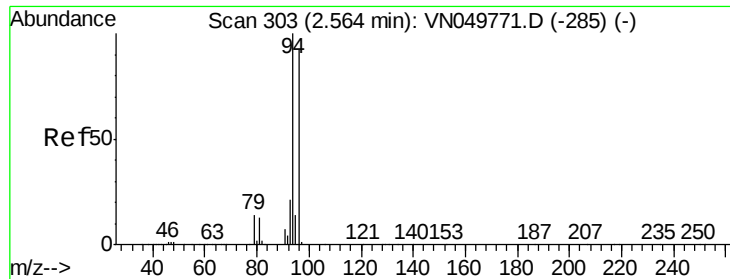
Tgt Ion: 62 Resp: 92689

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 6.53 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 66333

Ion Ratio Lower Upper

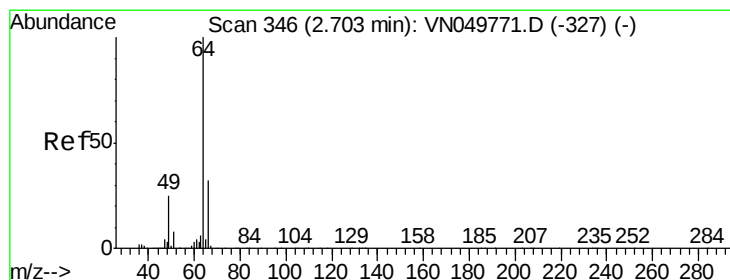
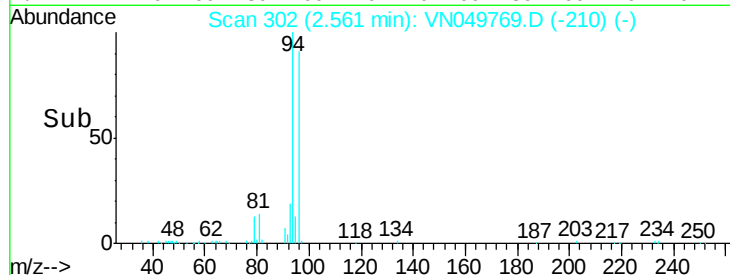
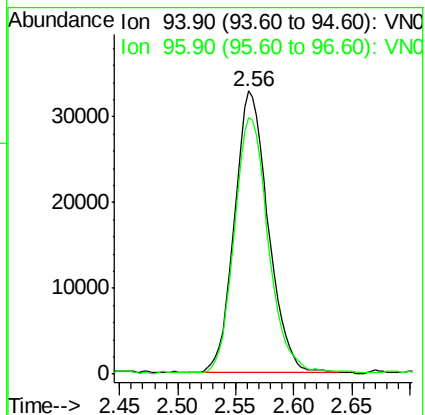
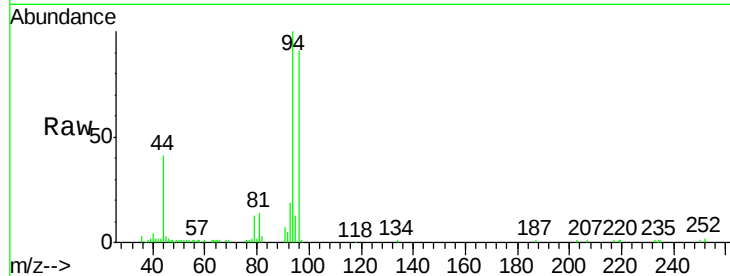
94 100

96 90.4 75.7 113.5

Manual Integrations
APPROVED

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#6

Chloroethane

Concen: 5.06 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049769.D

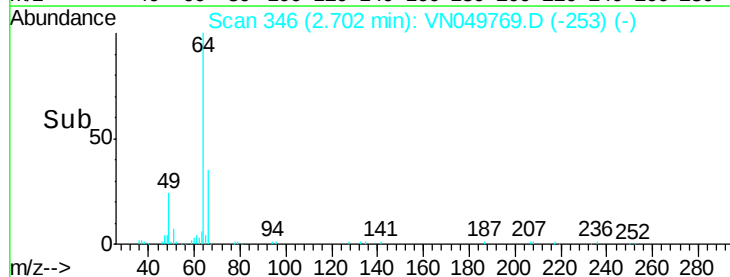
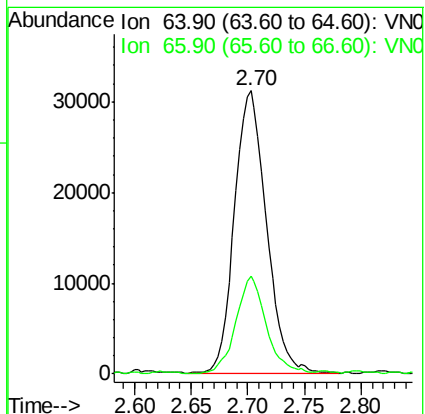
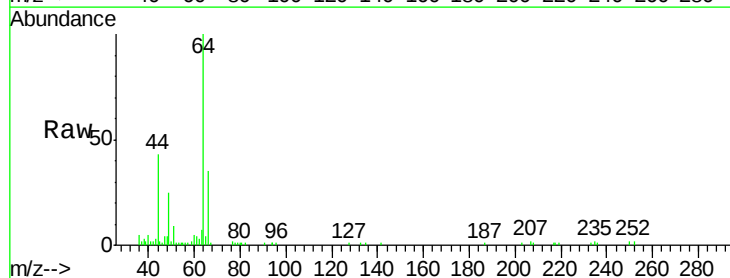
Acq: 12 Jul 2018 11:05

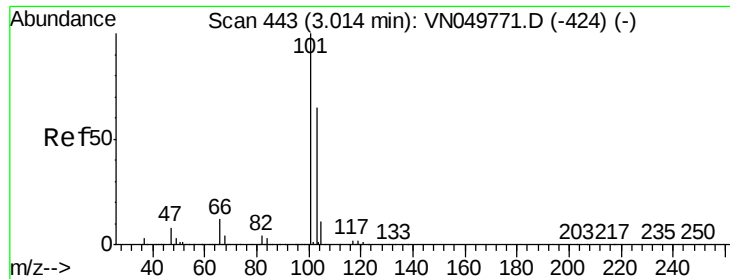
Tgt Ion: 64 Resp: 62013

Ion Ratio Lower Upper

64 100

66 34.5 25.6 38.4





#7

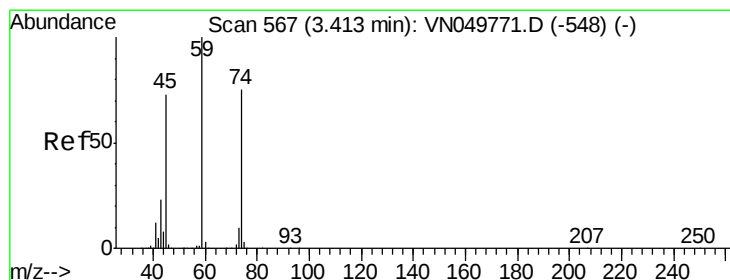
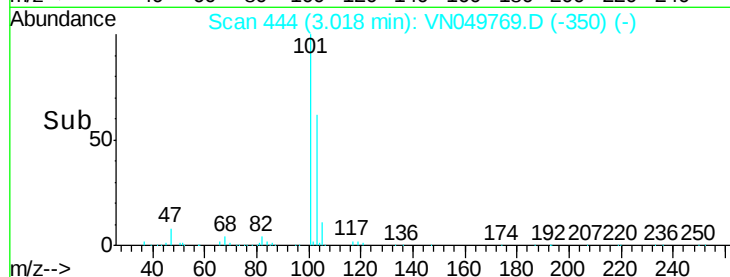
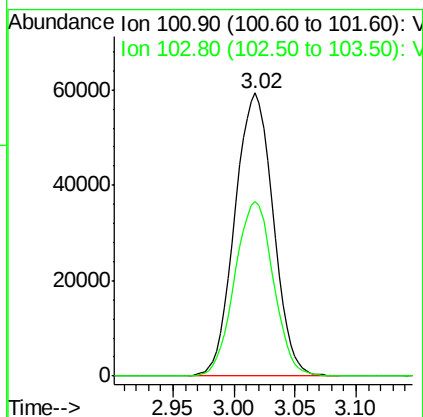
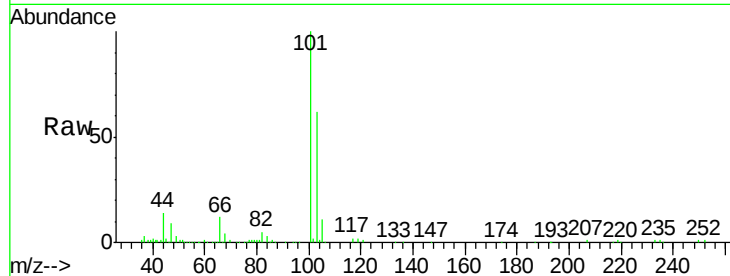
Trichlorofluoromethane
 Concen: 5.85 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.8	79.2

Manual Integrations
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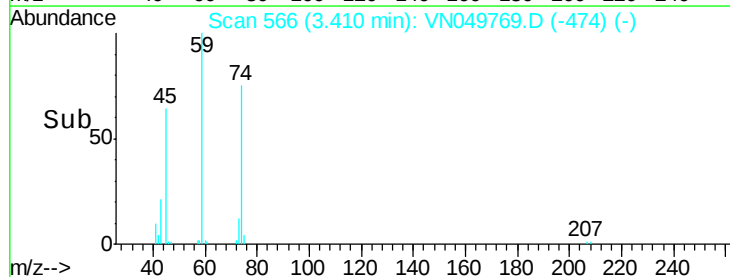
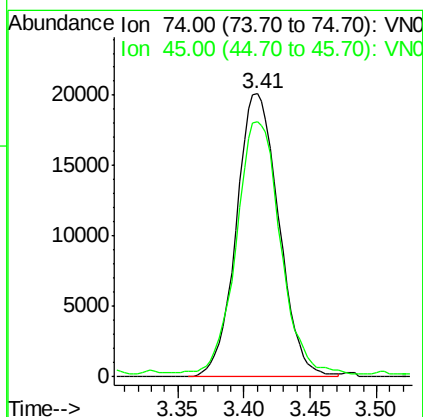
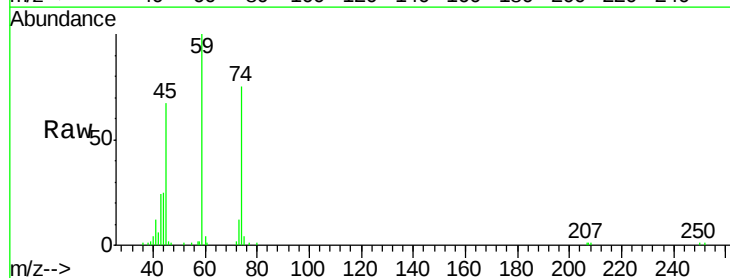
MMDadoda
 7/13/2018 1:35:08 PM

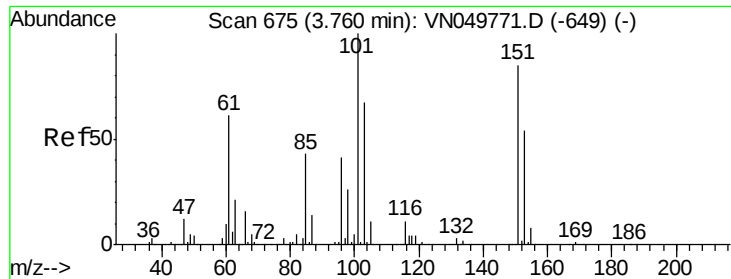


#8

Diethyl Ether
 Concen: 5.01 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.15 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

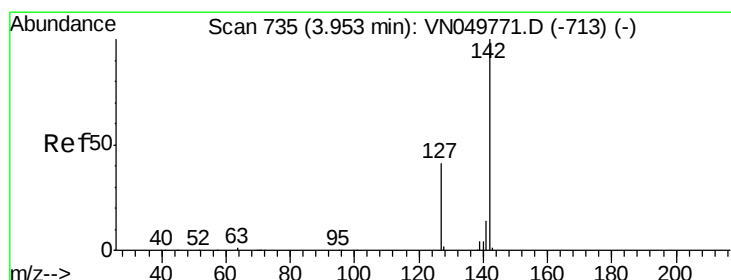
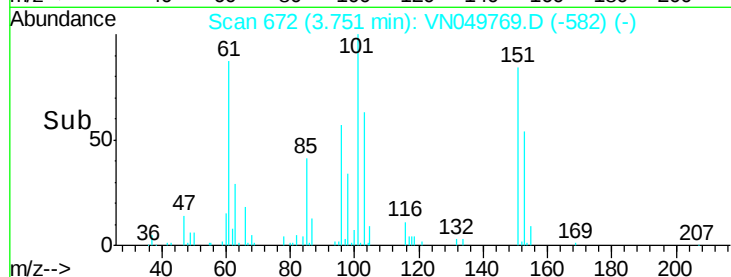
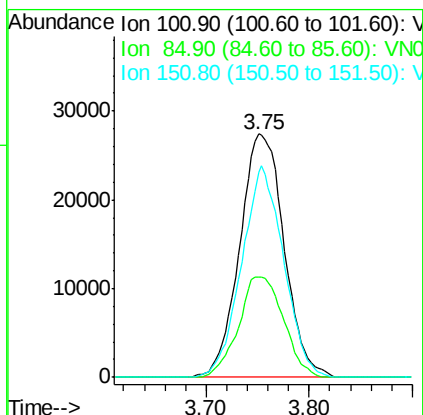
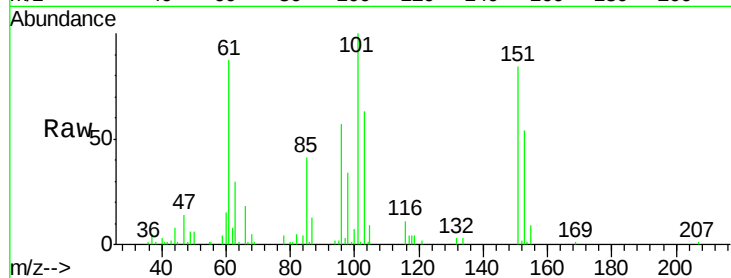
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	81850
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.4	51.6
151	82.1	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.39 ug/l

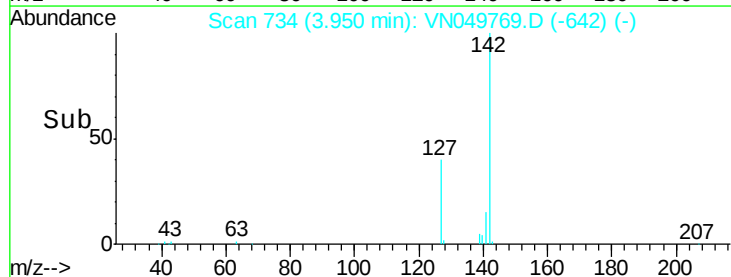
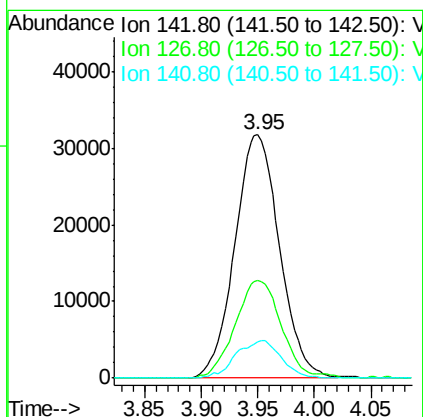
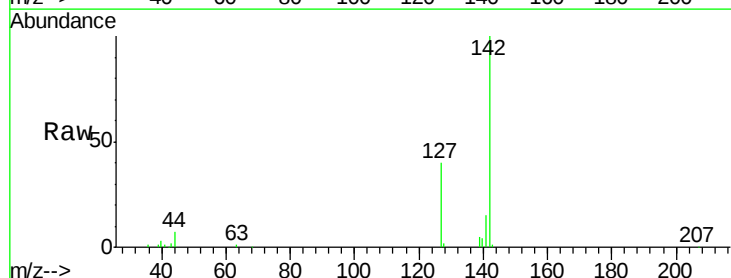
RT: 3.95 min Scan# 734

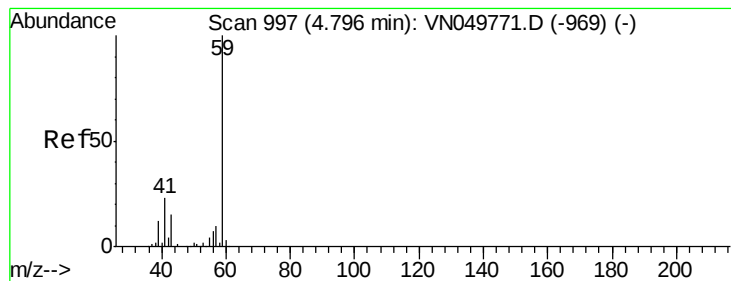
Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	142	Resp:	87378
Ion Ratio	Lower	Upper	
142	100		
127	41.5	32.5	48.7
141	15.5	11.1	16.7





#11

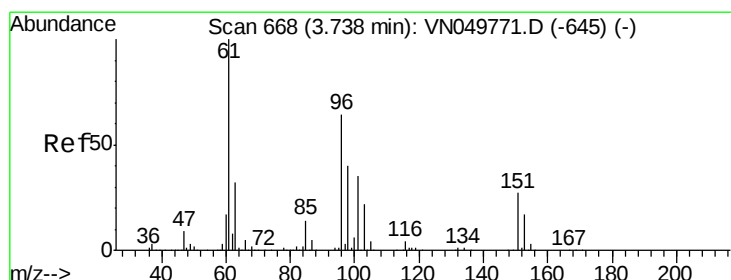
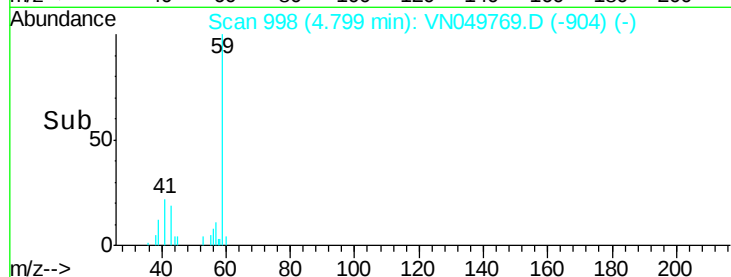
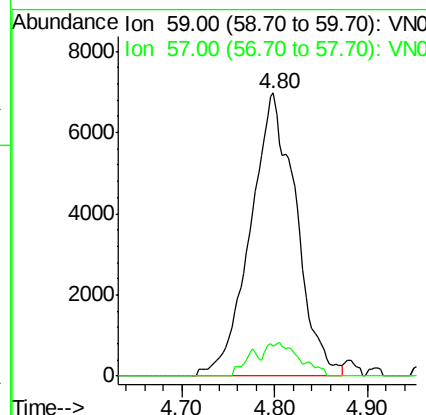
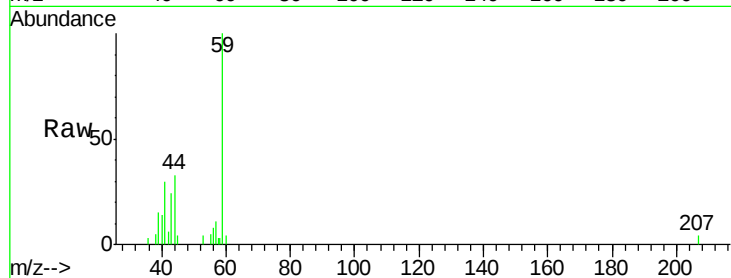
Tert butyl alcohol
Concen: 24.62 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.5	12.7

Manual Integrations
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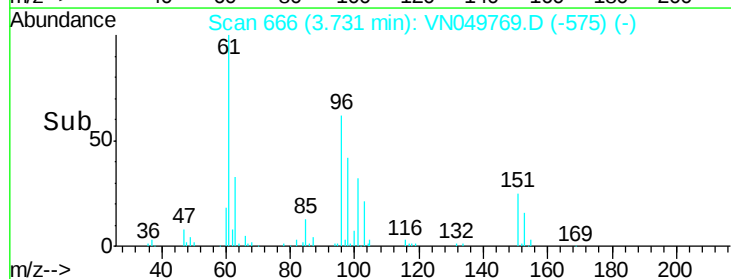
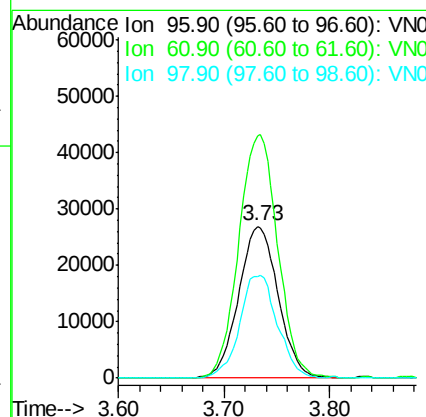
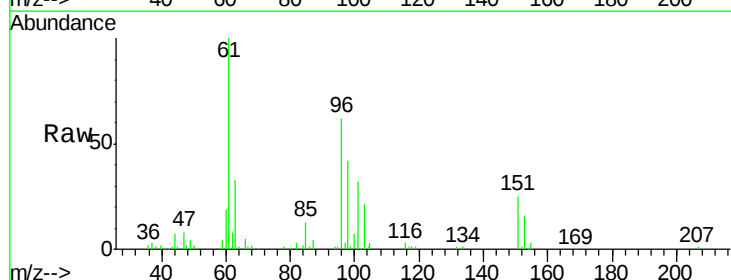
MMDadoda
7/13/2018 1:35:08 PM

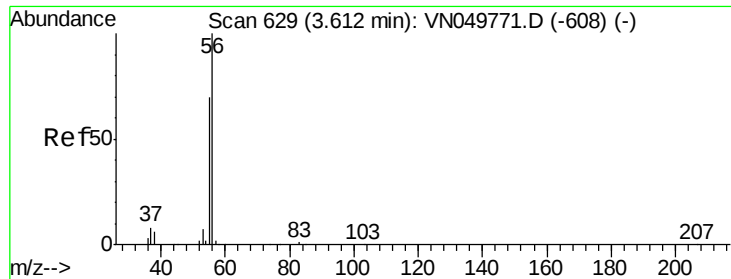


#12

1,1-Dichloroethene
Concen: 4.66 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.1	126.5	189.7
98	67.0	51.0	76.6





#13

Acrolein

Concen: 41.32 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 37429

Ion Ratio Lower Upper

56 100

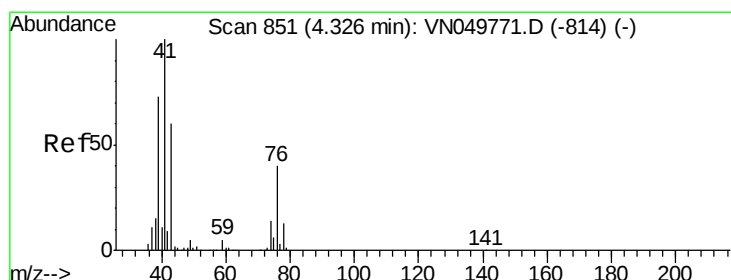
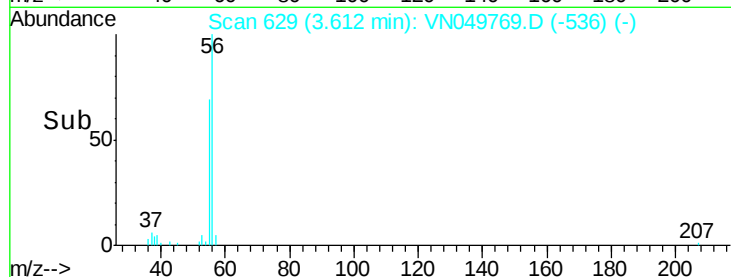
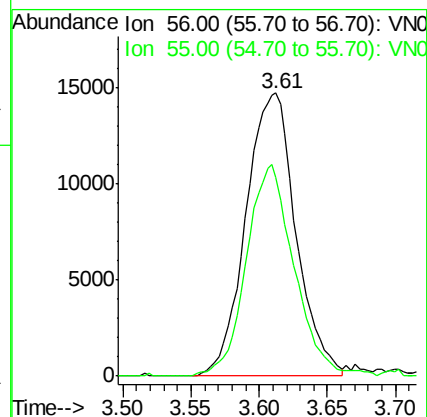
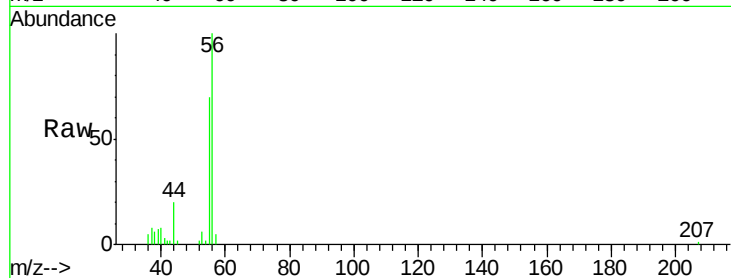
55 70.7 55.8 83.8

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 5.24 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

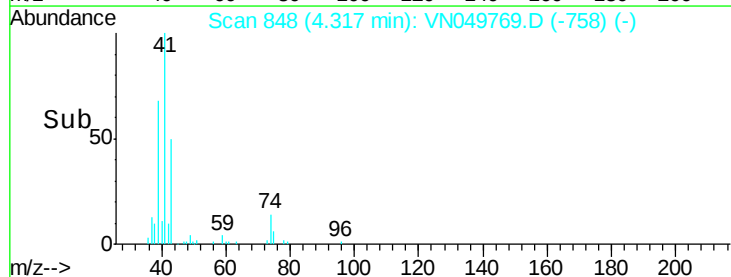
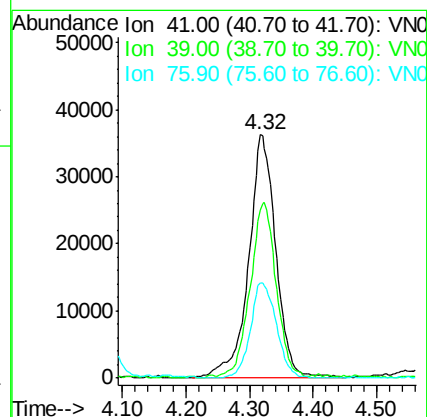
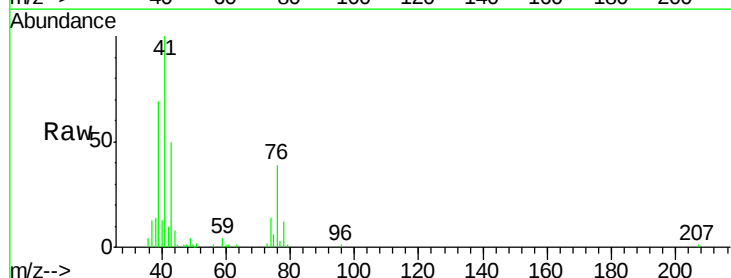
Tgt Ion: 41 Resp: 108133

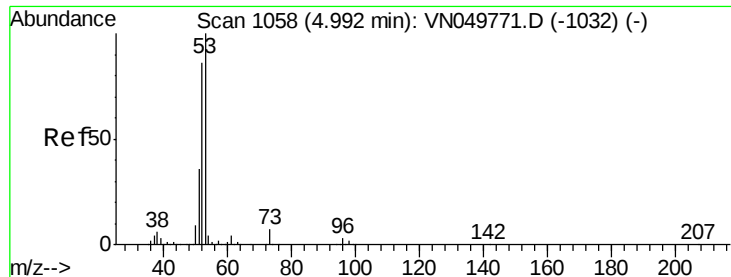
Ion Ratio Lower Upper

41 100

39 67.1 53.2 79.8

76 37.0 29.0 43.6





#15

Acrylonitrile

Concen: 23.64 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

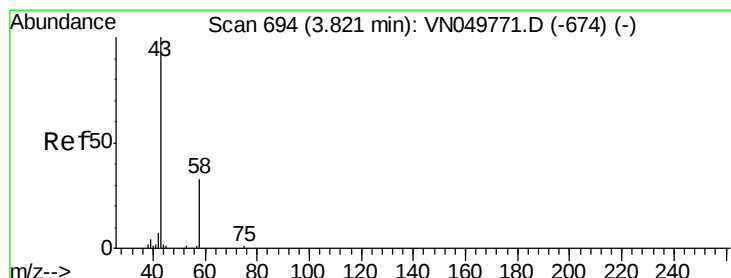
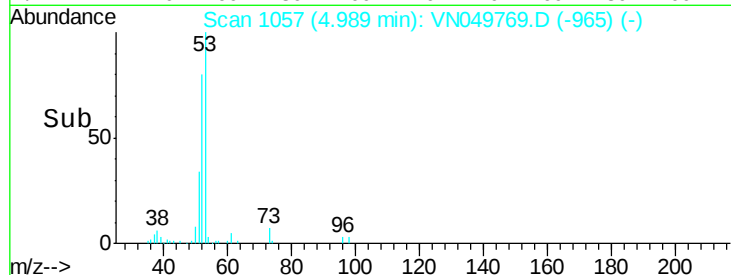
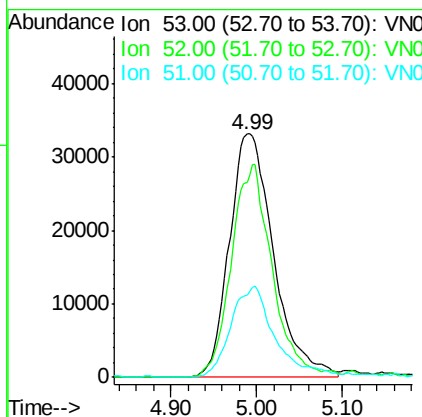
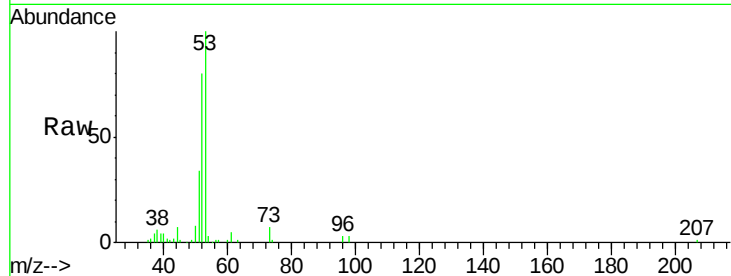
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	118390
Ion	Ratio	Lower	Upper
53	100		
52	80.0	64.8	97.2
51	37.3	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 22.42 ug/l

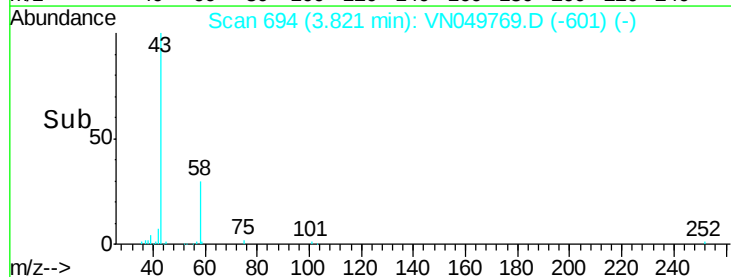
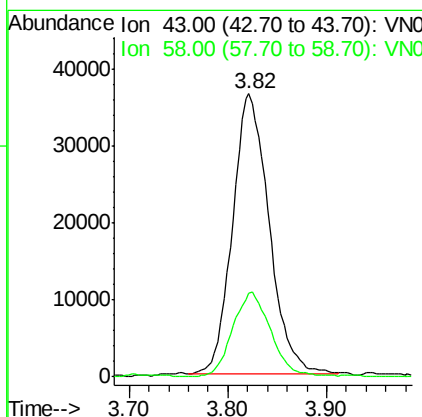
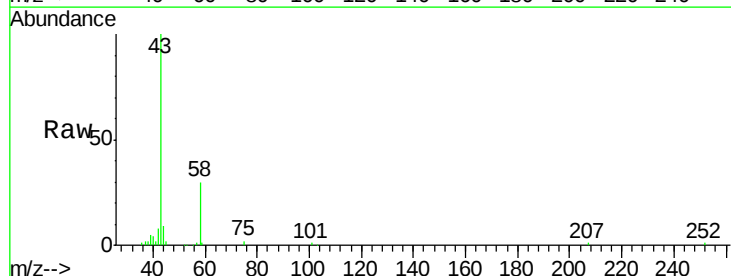
RT: 3.82 min Scan# 694

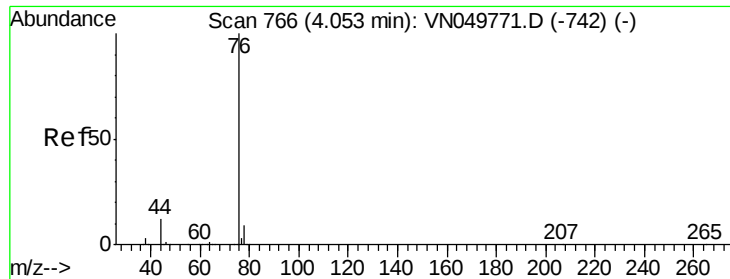
Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	43	Resp:	93837
Ion	Ratio	Lower	Upper
43	100		
58	29.8	25.9	38.9





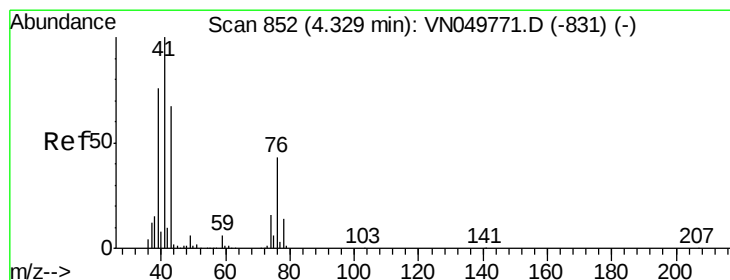
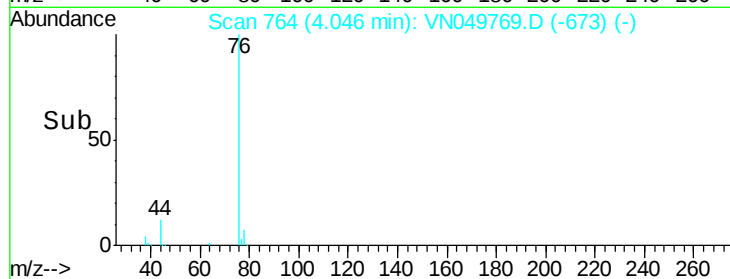
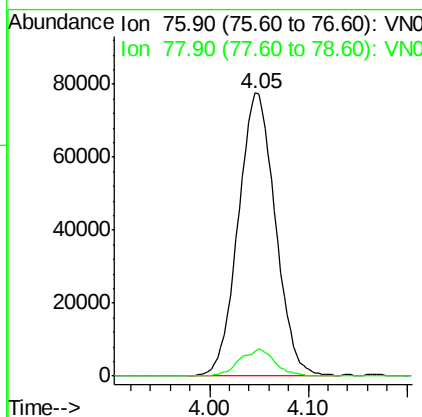
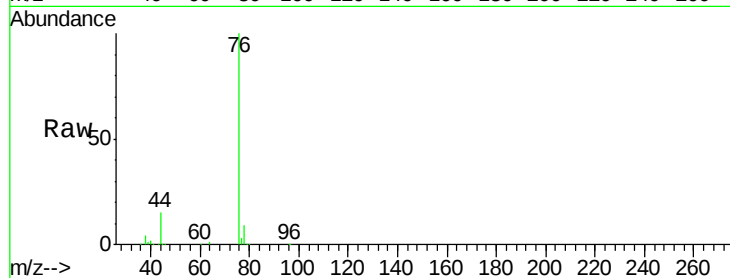
#17
Carbon Disulfide
Concen: 4.44 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.1	10.7

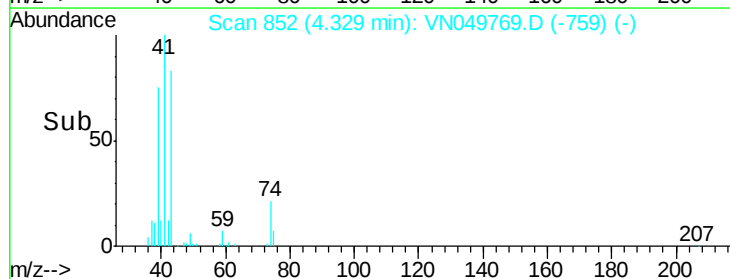
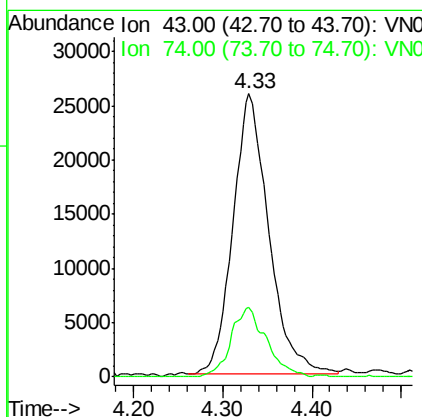
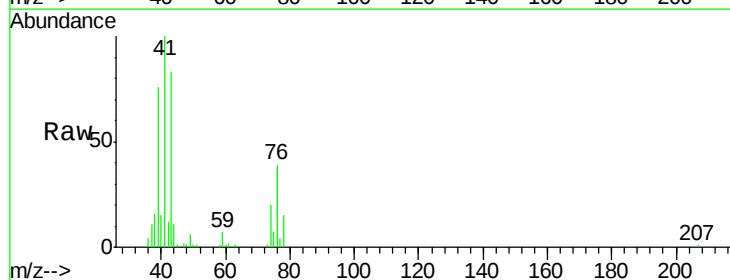
Manual Integrations
APPROVED

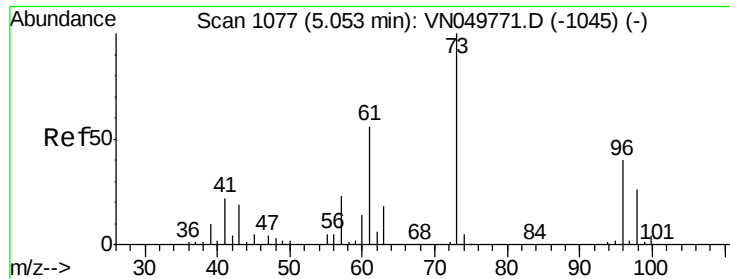
MMDadoda
7/13/2018 1:35:08 PM



#18
Methyl Acetate
Concen: 2.83 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.8	29.8





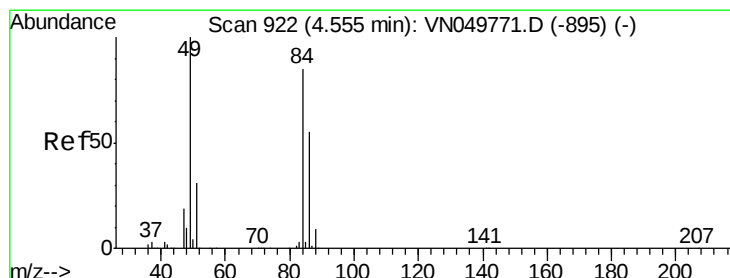
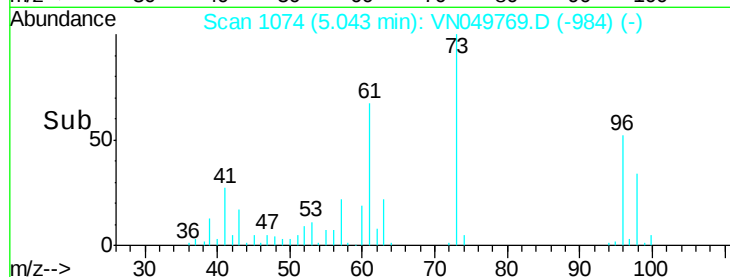
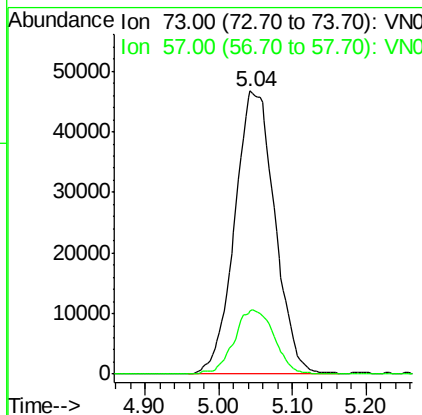
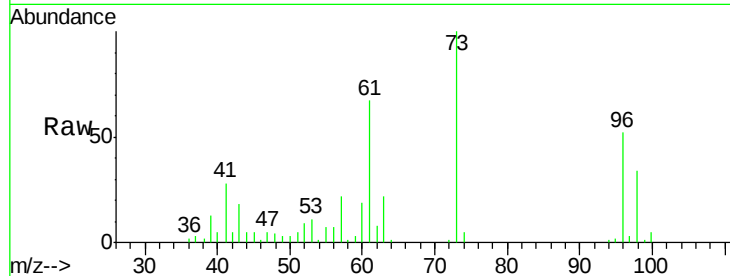
#19
Methyl tert-butyl Ether
Concen: 4.57 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 73 Resp: 177149
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

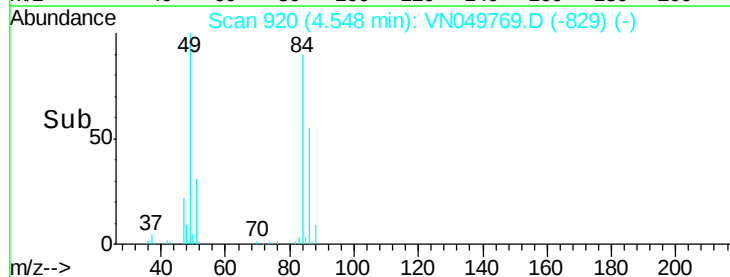
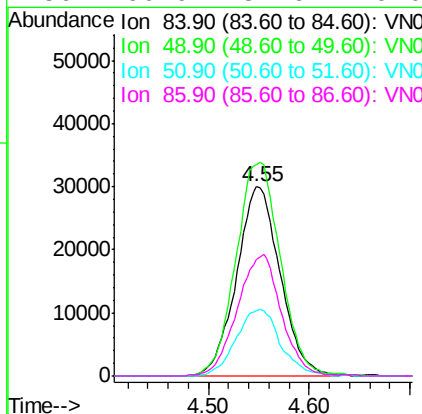
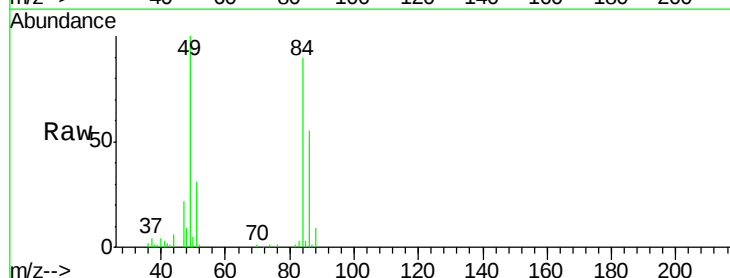
Manual Integrations
APPROVED

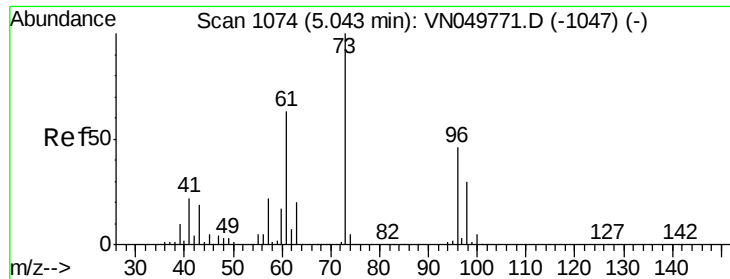
MMDadoda
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#20
Methylene Chloride
Concen: 5.16 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion: 84 Resp: 89854
Ion Ratio Lower Upper
84 100
49 111.5 95.4 143.2
51 34.2 28.4 42.6
86 60.9 52.6 79.0





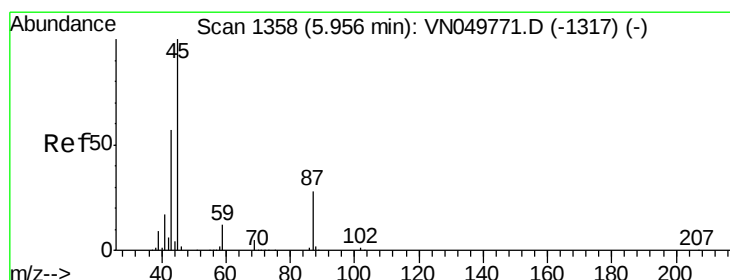
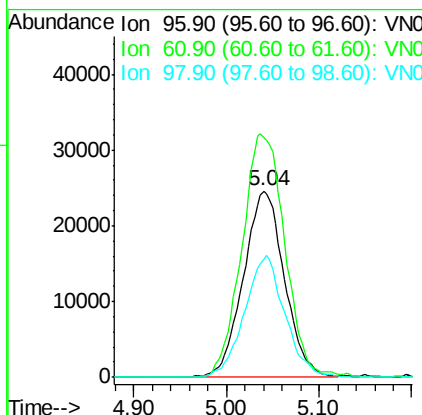
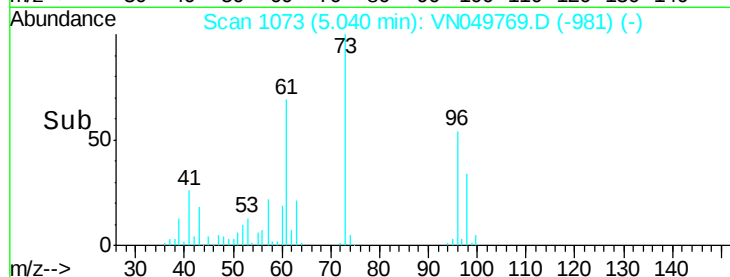
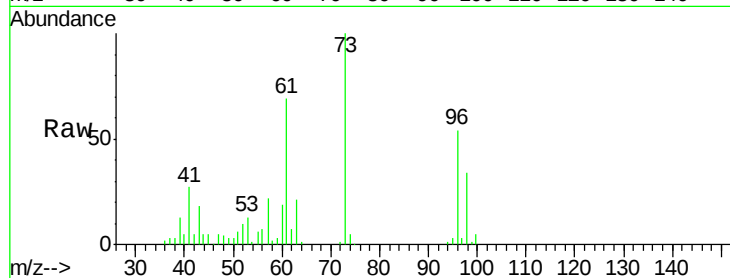
#21
trans-1,2-Dichloroethene
Concen: 4.89 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.8	109.0	163.6
98	63.7	51.1	76.7

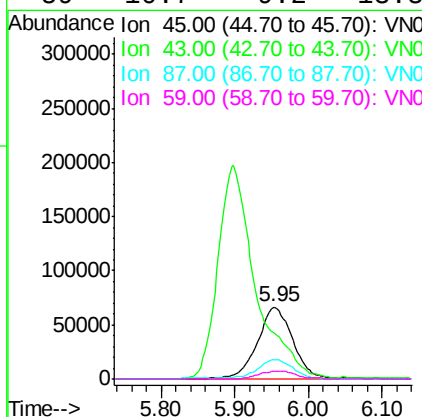
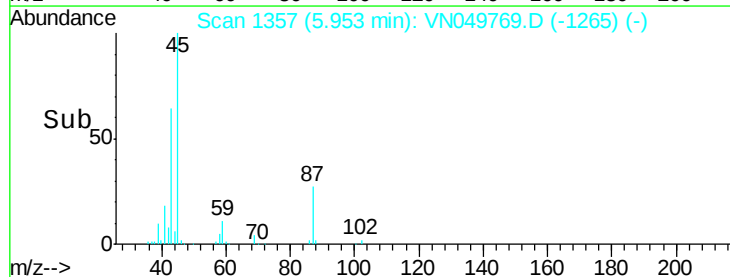
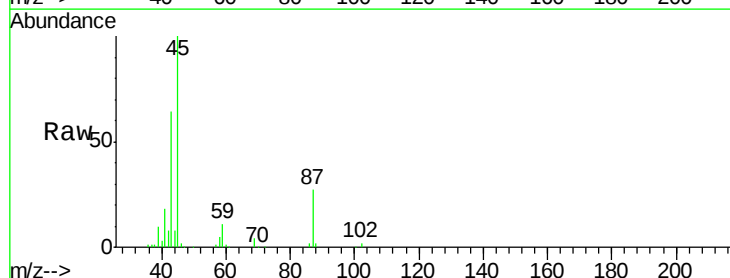
Manual Integrations
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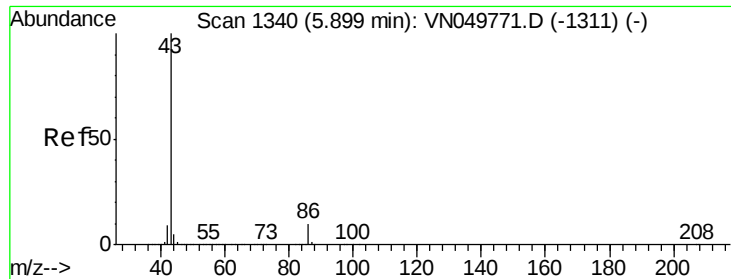
MMDadoda
7/13/2018 1:35:08 PM



#22
Diisopropyl ether
Concen: 4.76 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	48.1	72.1
87	26.4	22.6	34.0
59	10.7	9.2	13.8





#23

Vinyl Acetate

Concen: 23.07 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 698848

Ion Ratio Lower Upper

43 100

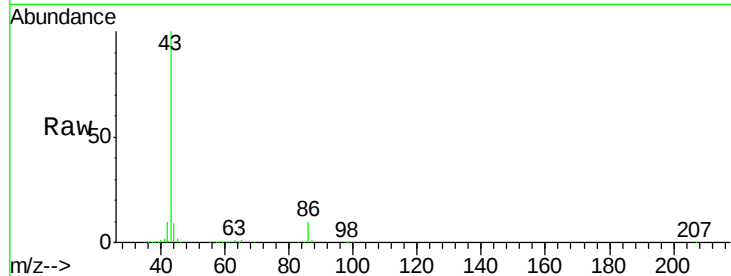
86 10.1 8.4 12.6

Manual Integrations

APPROVED

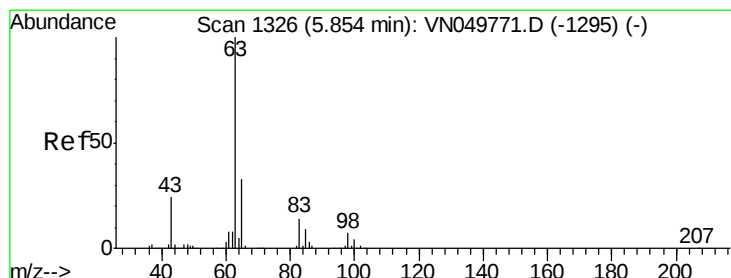
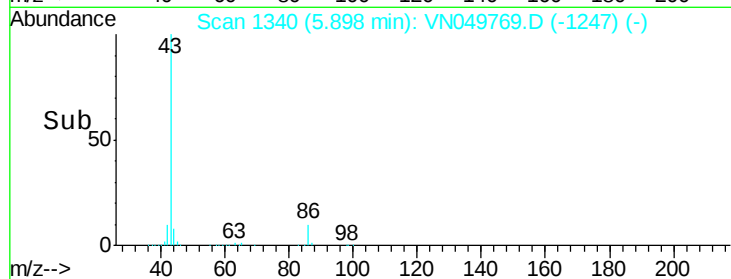
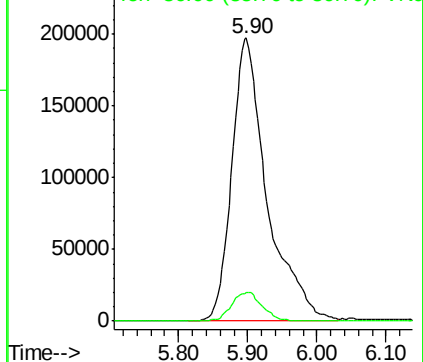
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.10 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

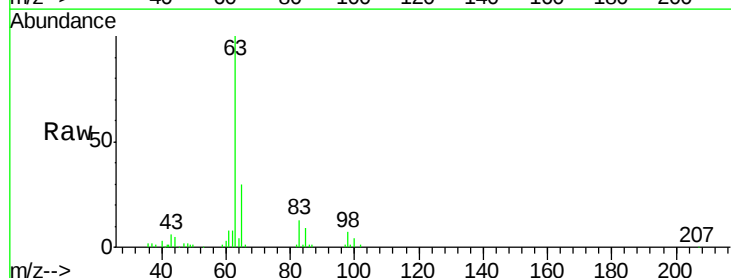
Tgt Ion: 63 Resp: 150058

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

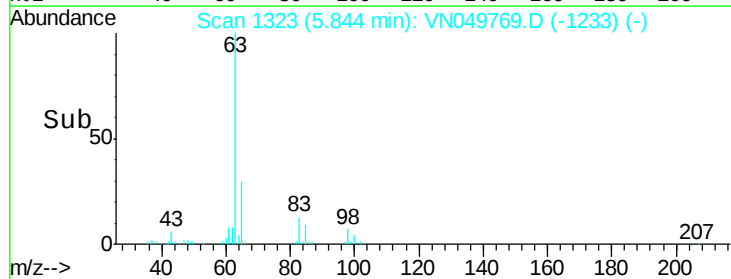
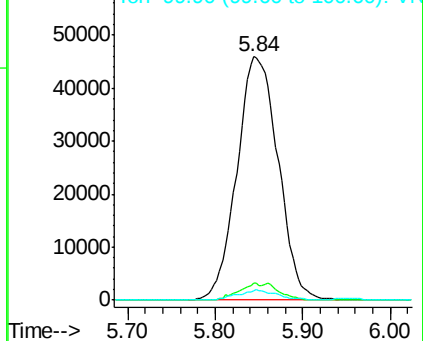
100 3.9 2.2 6.6

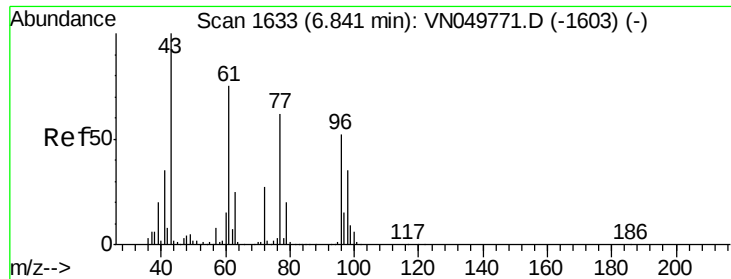


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 23.63 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 132549

Ion Ratio Lower Upper

43 100

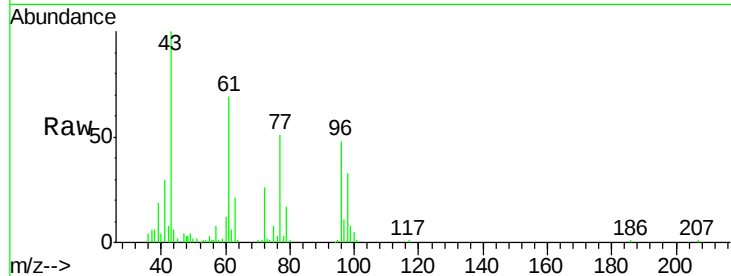
72 26.6 22.1 33.1

Manual Integrations

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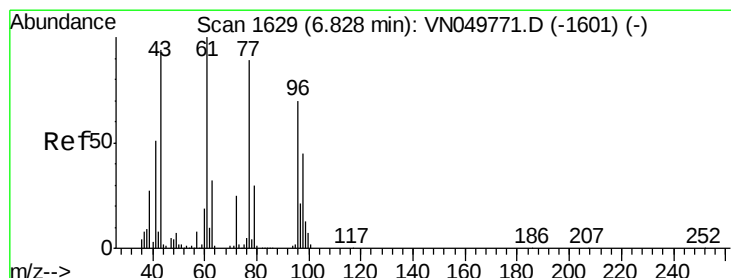
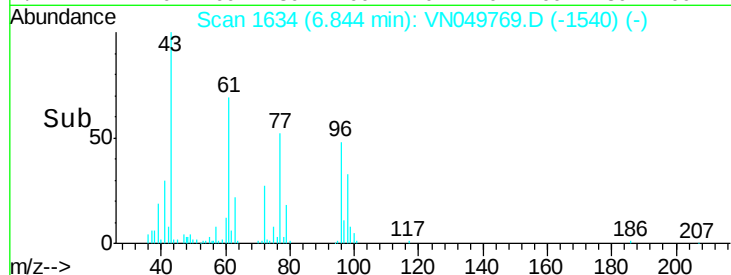
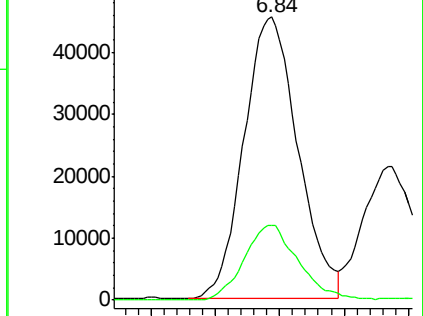
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 4.88 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN049769.D

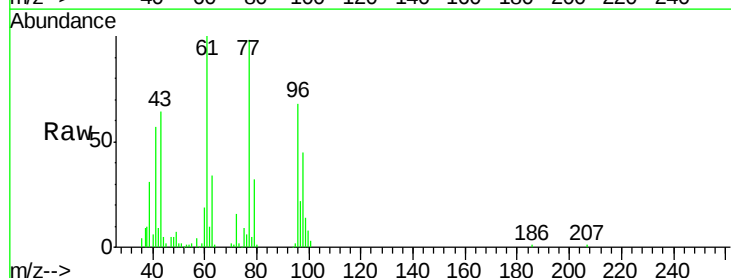
Acq: 12 Jul 2018 11:05

Tgt Ion: 77 Resp: 119213

Ion Ratio Lower Upper

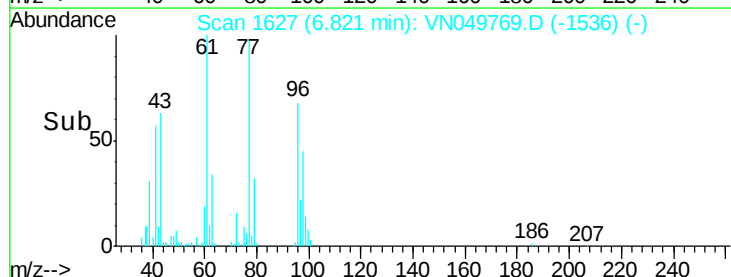
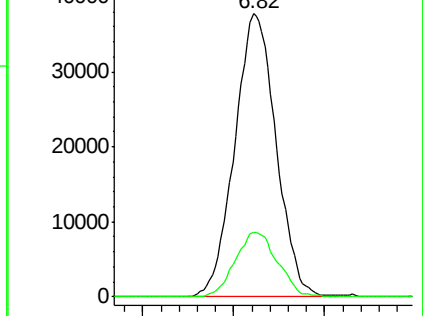
77 100

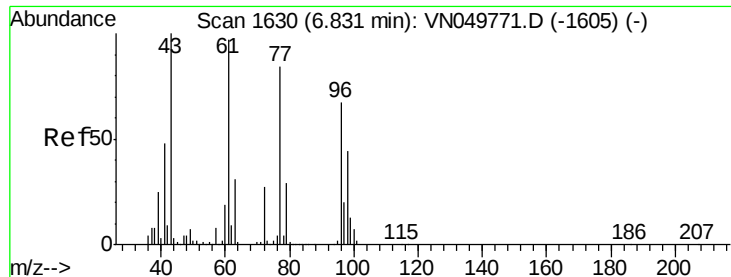
97 23.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 4.90 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 84688

Ion Ratio Lower Upper

96 100

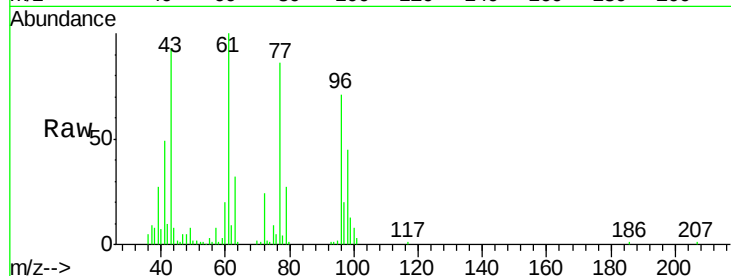
61 144.6 0.0 289.0

98 64.9 0.0 130.2

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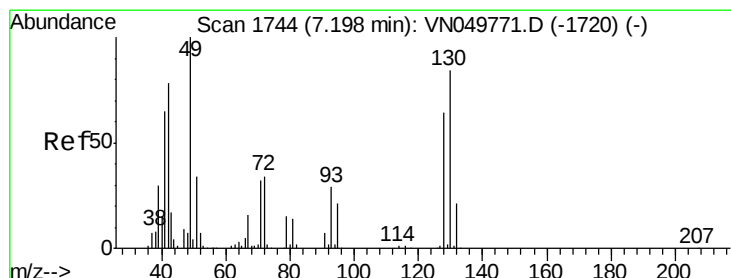
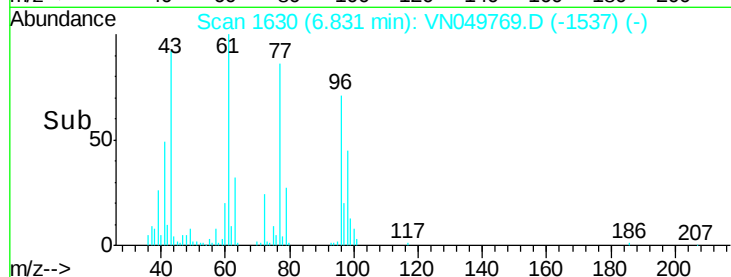
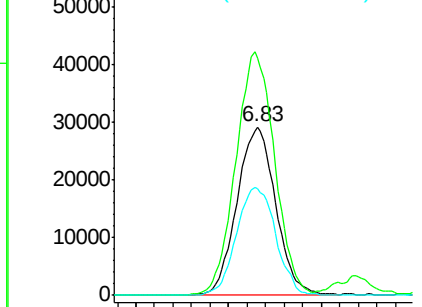
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Abundance Ion 95.90 (95.60 to 96.60): VN049769.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN049769.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN049769.D (-1537) (-)



#28

Bromochloromethane

Concen: 5.24 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

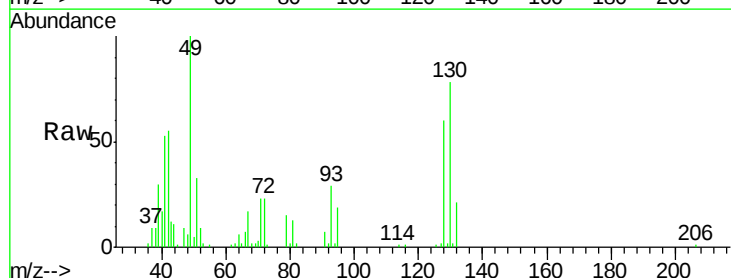
Tgt Ion: 49 Resp: 65390

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

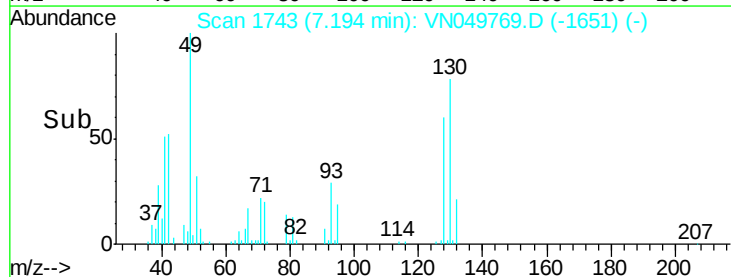
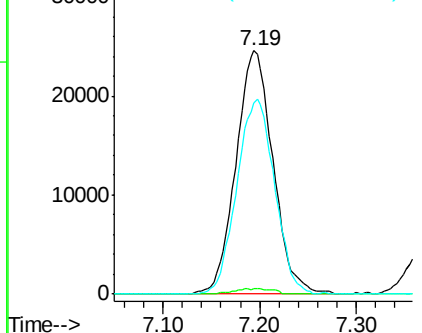
130 81.4 65.5 98.3

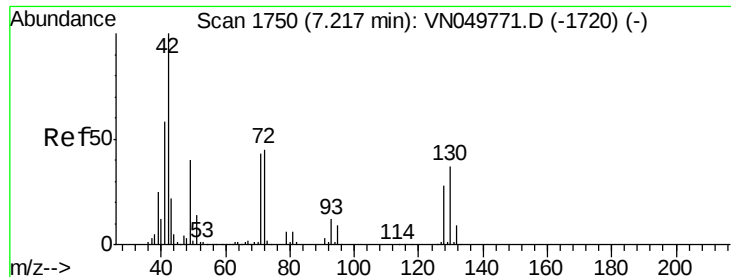


Abundance Ion 48.90 (48.60 to 49.60): VN049769.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049769.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049769.D (-1651) (-)





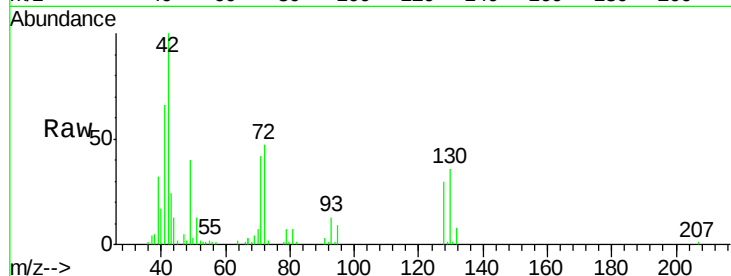
#29
Tetrahydrofuran
Concen: 22.53 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

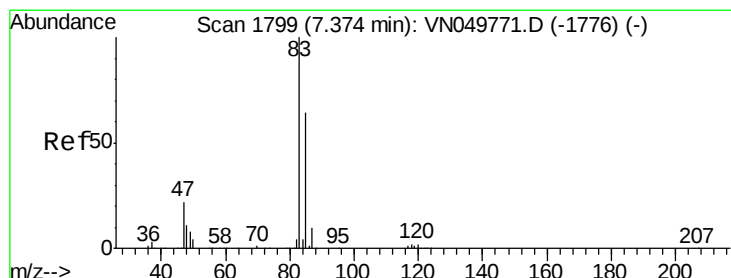
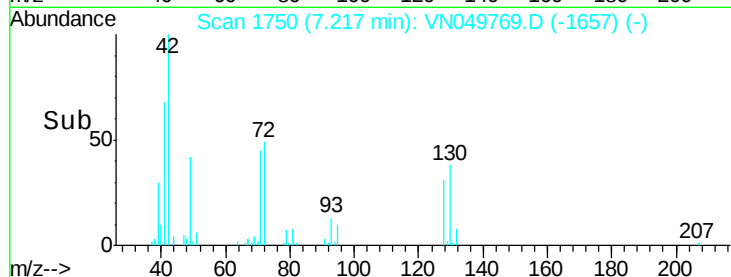
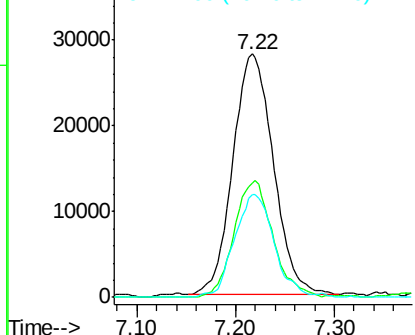
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.6	53.4
71	41.3	34.0	51.0

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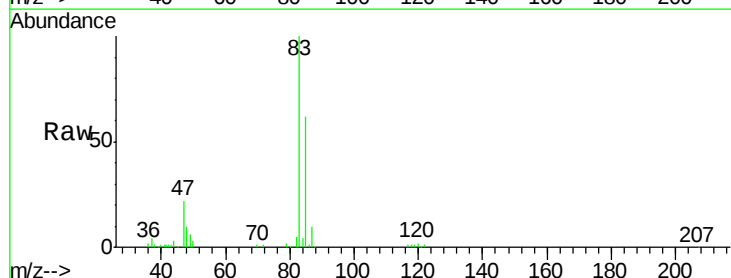


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

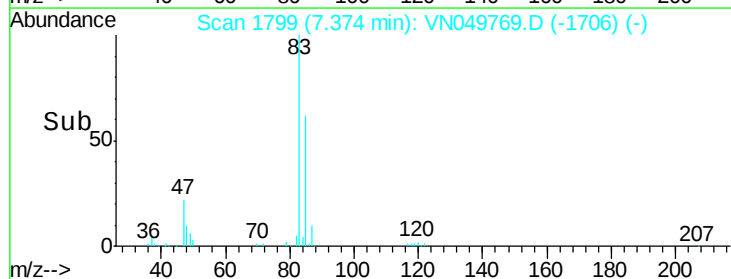
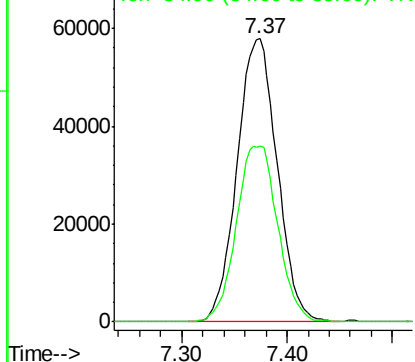


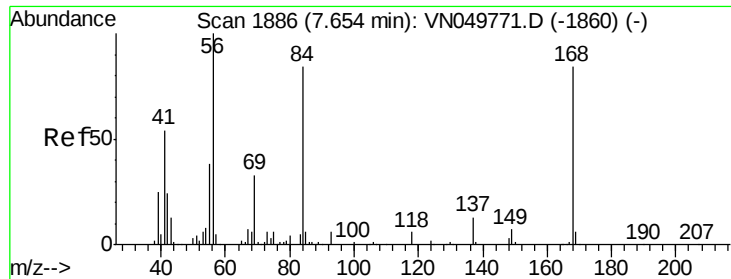
#30
Chloroform
Concen: 5.09 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 4.41 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

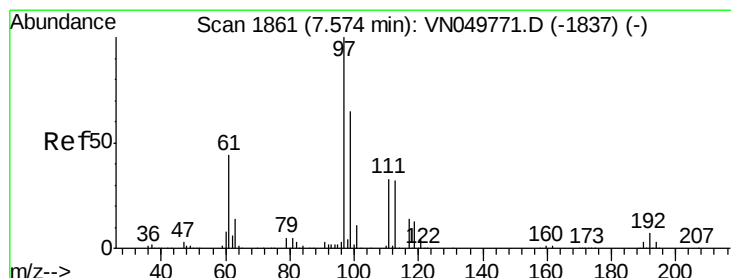
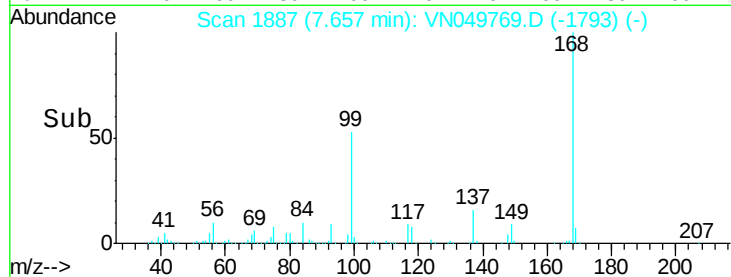
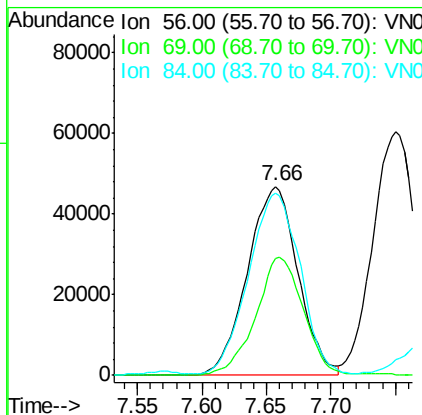
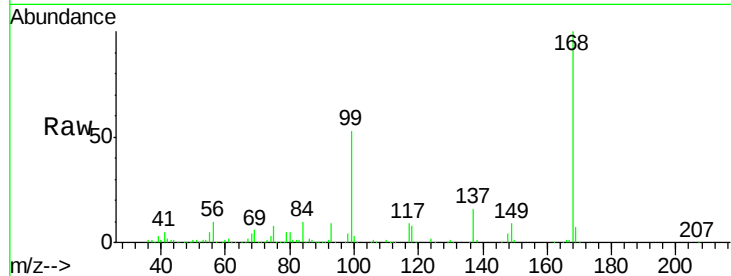
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	127865
Ion Ratio	Lower	Upper	
56	100		
69	62.0	26.6	40.0#
84	95.4	69.0	103.6

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#32

1,1,1-Trichloroethane

Concen: 5.05 ug/l

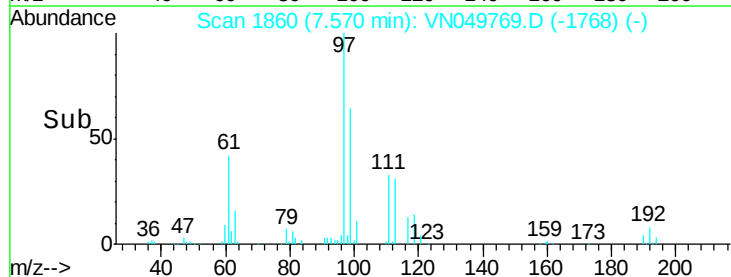
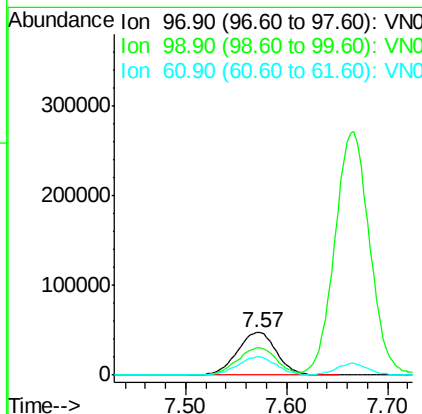
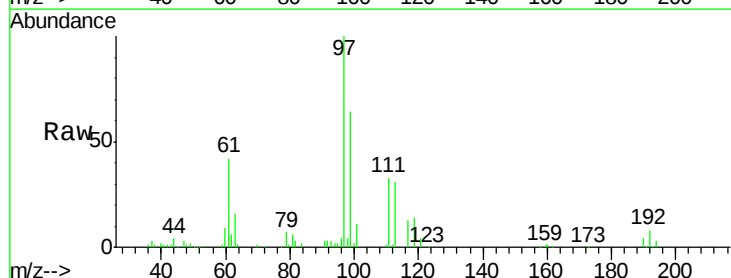
RT: 7.57 min Scan# 1860

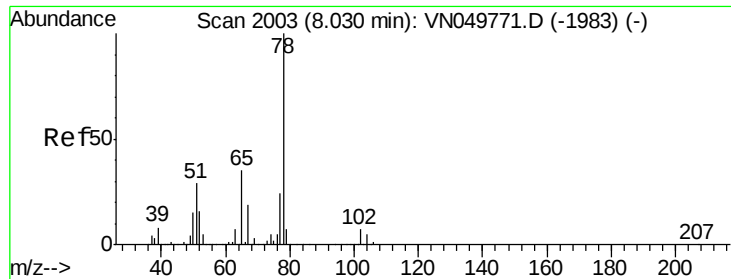
Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	97	Resp:	128207
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.0	76.4
61	42.0	35.5	53.3





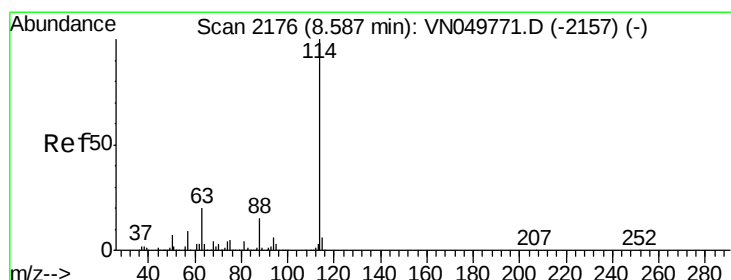
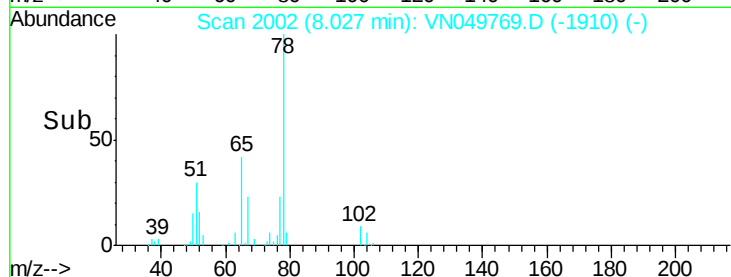
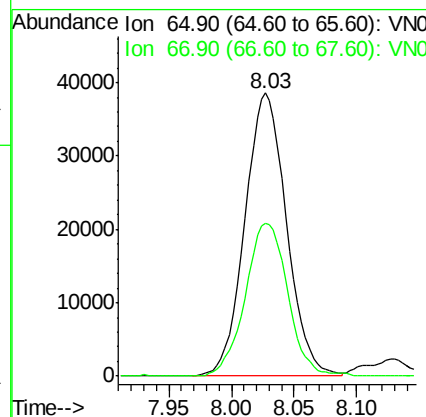
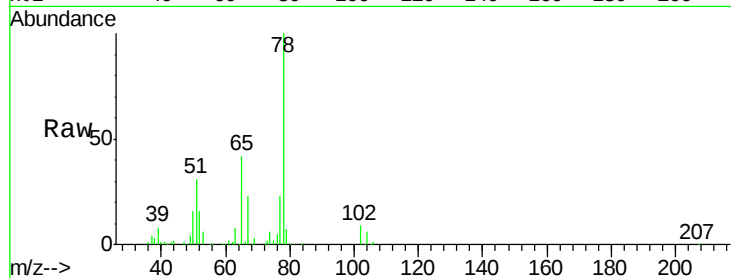
#33
 1,2-Dichloroethane-d4
 Concen: 5.27 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	89010		
67	55.0	0.0	107.2	

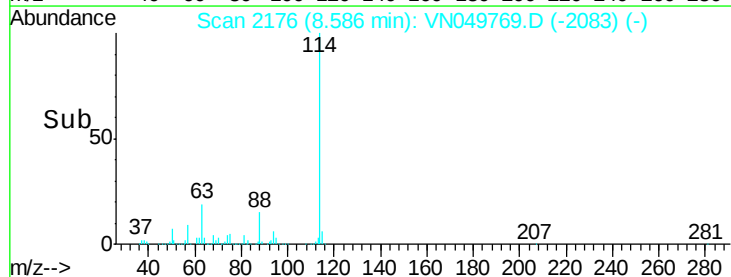
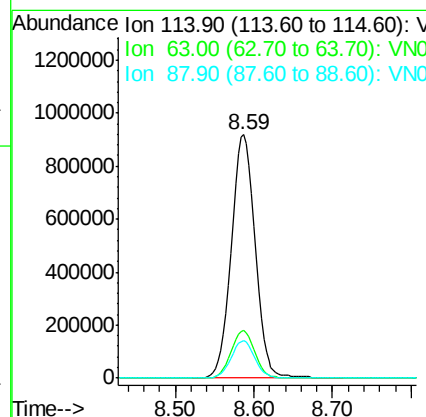
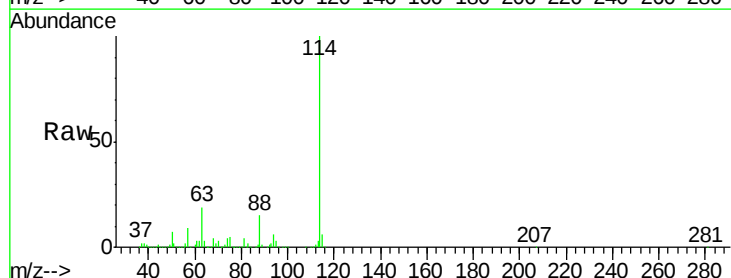
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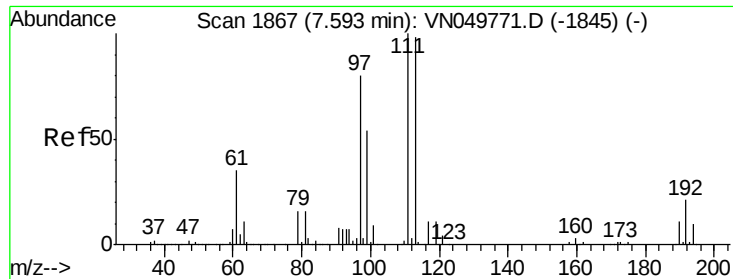
MMDadoda
 7/13/2018 1:35:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1923711		
63	19.4	0.0	39.8	
88	15.3	0.0	30.6	





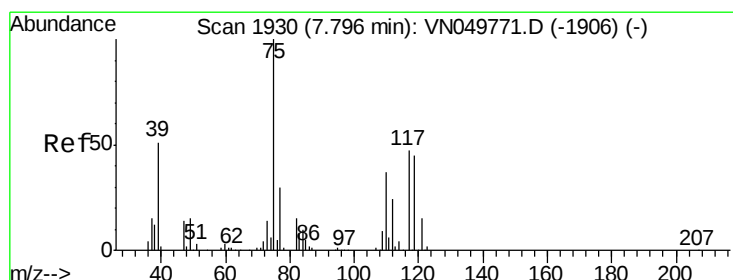
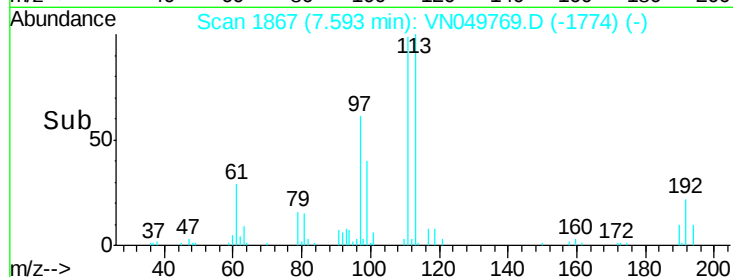
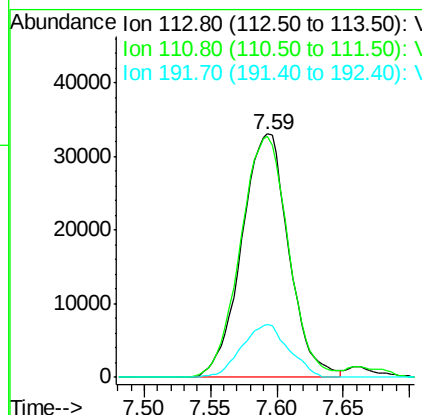
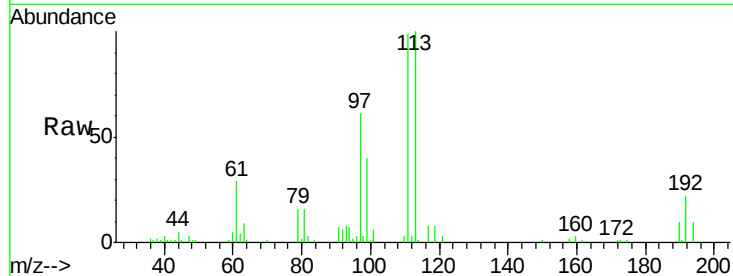
#35
Dibromofluoromethane
Concen: 5.69 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.8	81.8	122.8
192	21.6	17.8	26.6

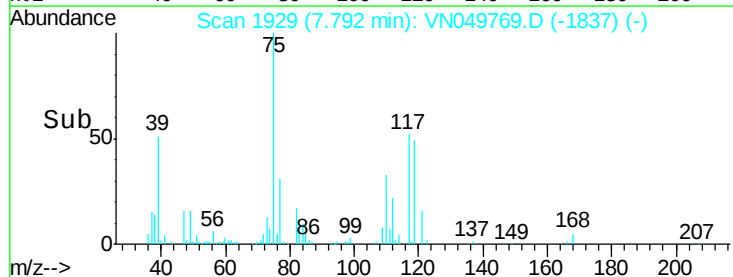
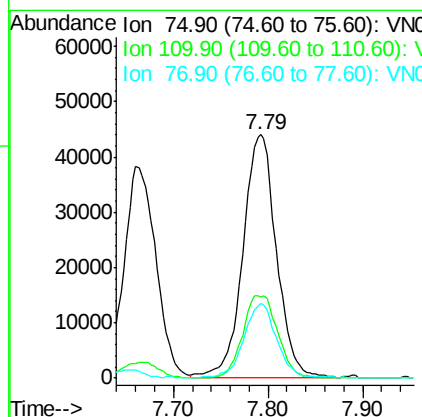
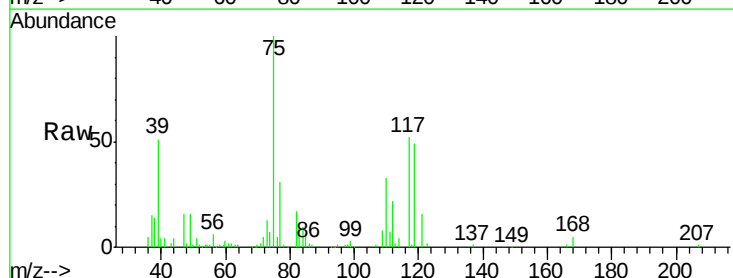
Manual Integrations
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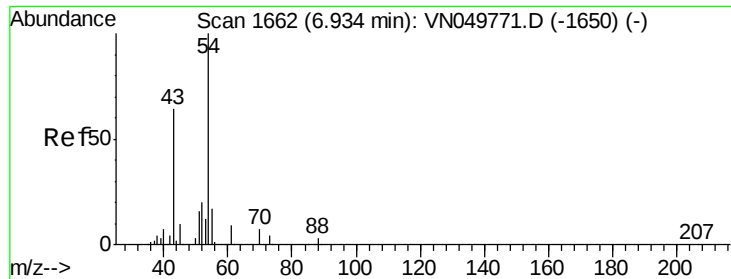
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#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.1	54.4
77	30.8	24.9	37.3





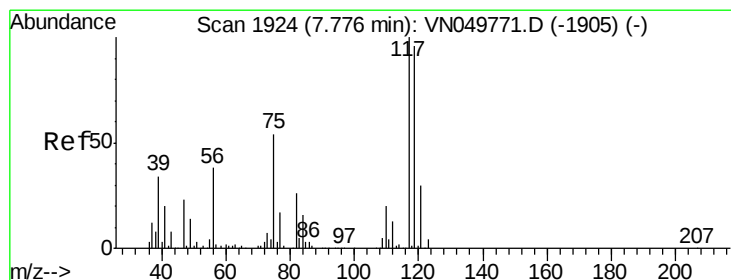
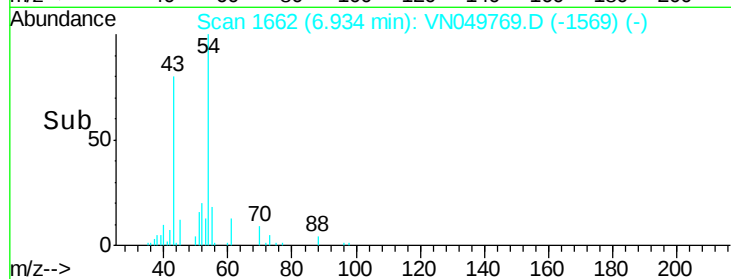
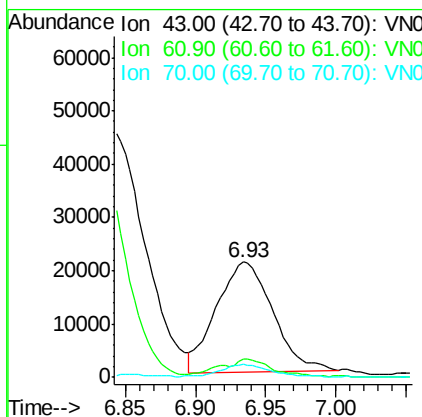
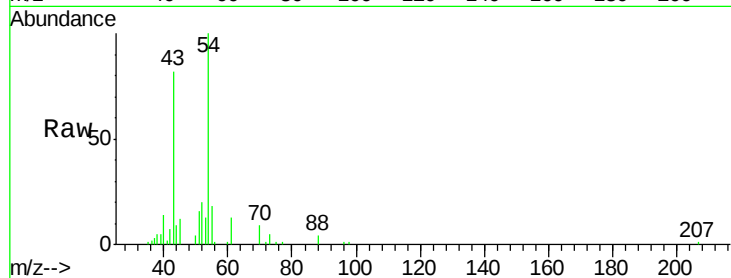
#37
Ethyl Acetate
Concen: 4.55 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	43	61	70
Resp	57376		
Ratio	100	14.8	11.1
Lower		11.7	8.4
Upper		17.5	12.6

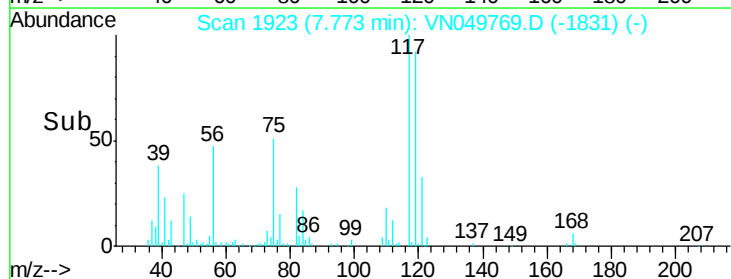
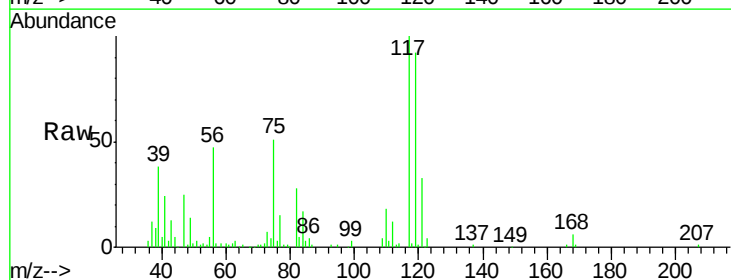
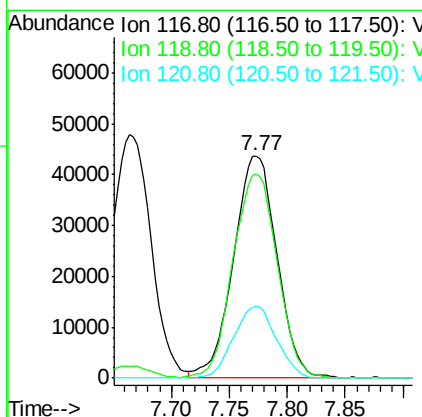
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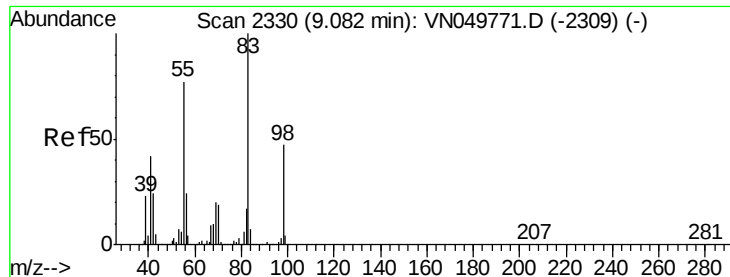
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#38
Carbon Tetrachloride
Concen: 5.41 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	117	119	121
Resp	113914		
Ratio	100	91.8	32.6
Lower		77.2	25.0
Upper		115.8	37.6





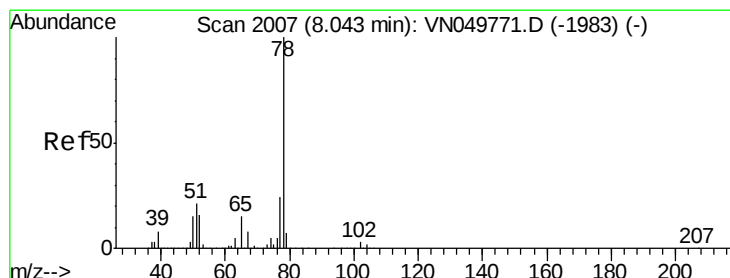
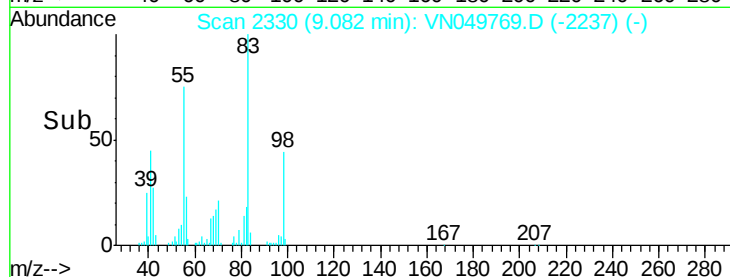
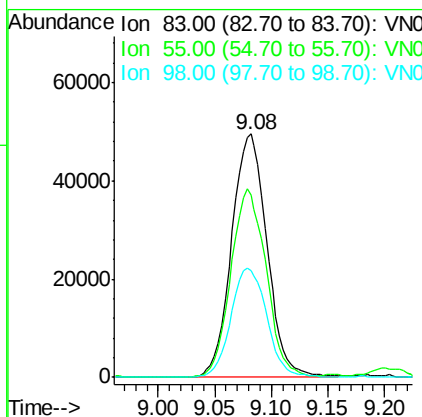
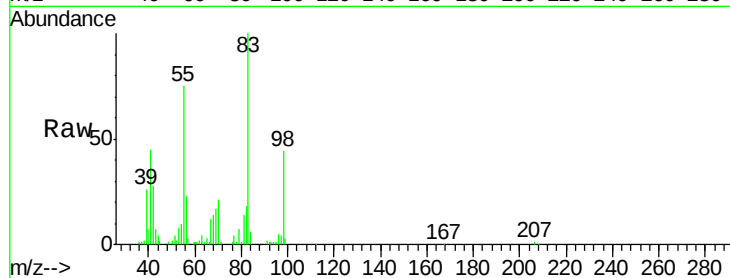
#39
Methvlcvclohexane
Concen: 4.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	59.7	89.5
98	43.9	36.5	54.7

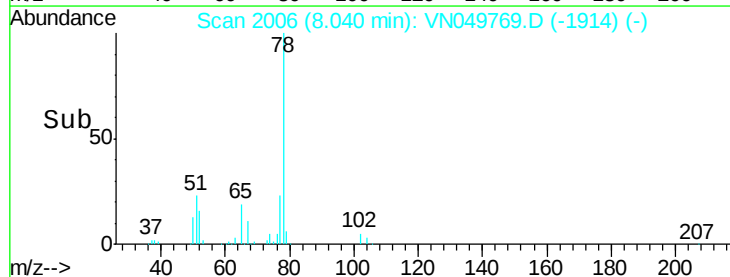
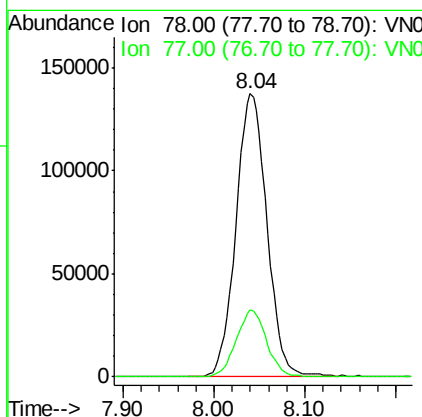
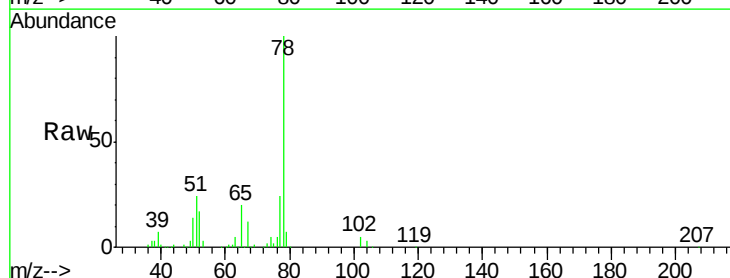
Manual Integrations
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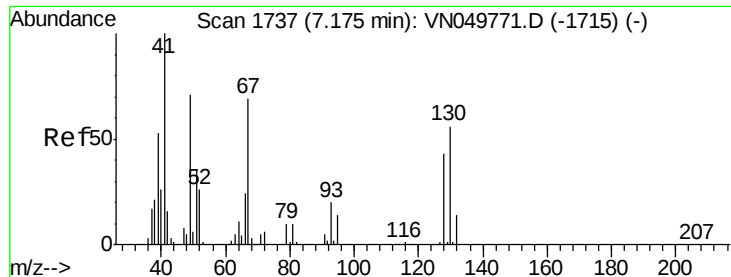
MMDadoda
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#40
Benzene
Concen: 4.92 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4





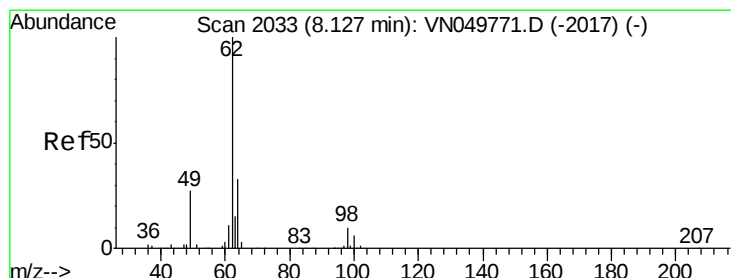
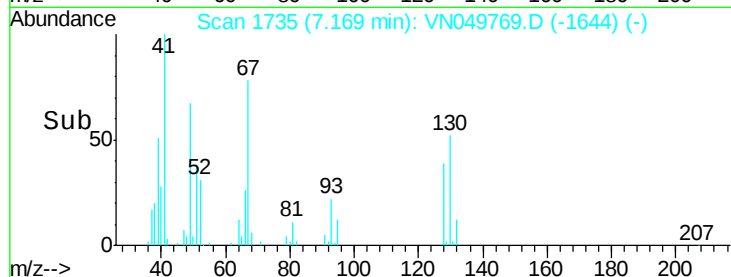
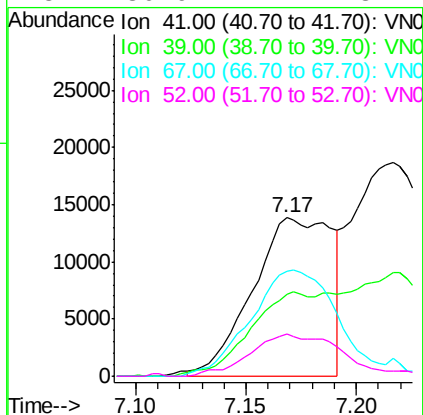
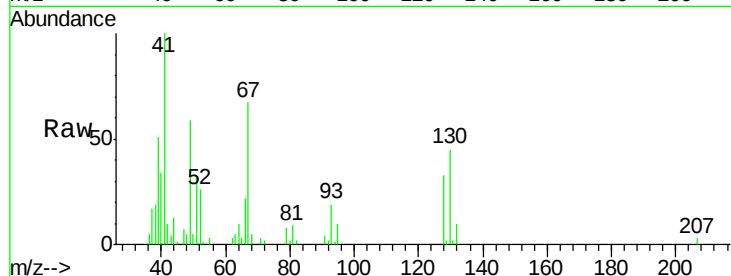
#41
Methacrylonitrile
Concen: 4.86 ug/l m
RT: 7.17 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	38.8	45.4	68.2#
67	72.9	65.4	98.0
52	30.9	24.7	37.1

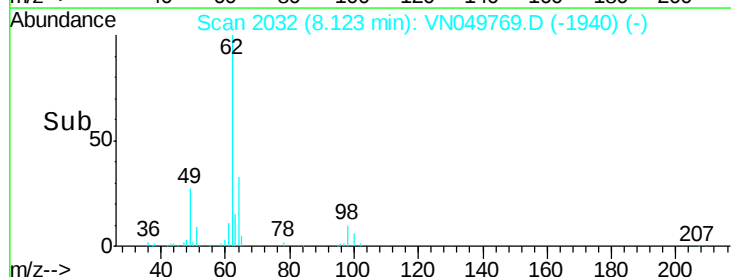
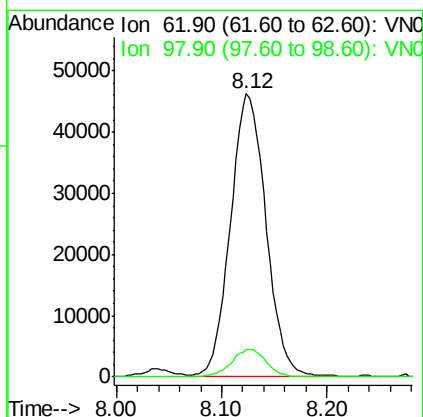
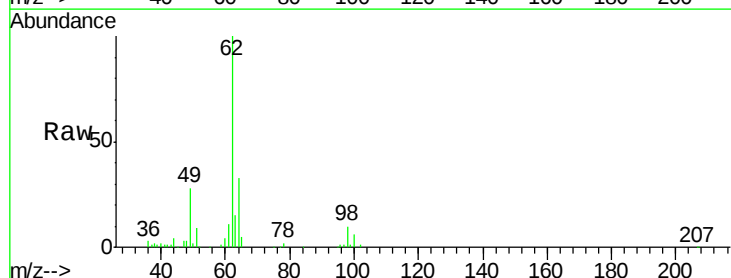
Manual Integrations
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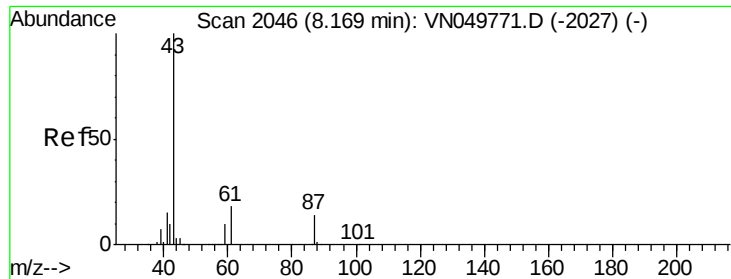
MMDadoda
7/13/2018 1:35:08 PM



#42
1,2-Dichloroethane
Concen: 5.13 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0





#43

Isopropyl Acetate

Concen: 3.57 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

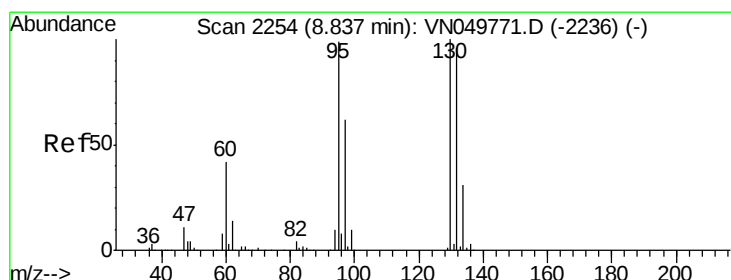
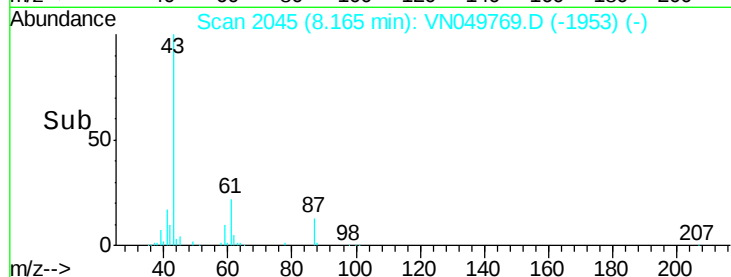
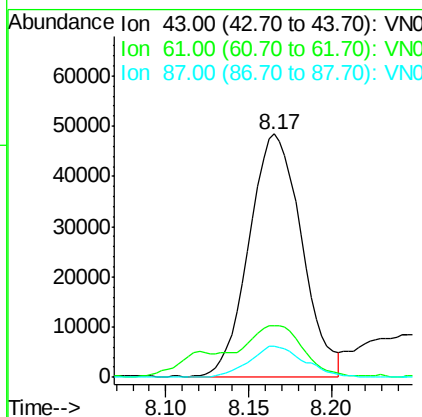
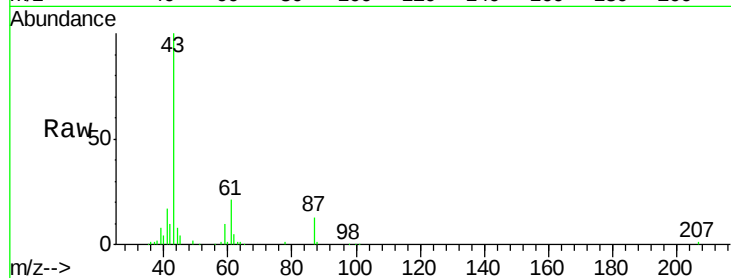
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	106338
Ion	Ratio	Lower	Upper
43	100		
61	20.8	14.9	22.3
87	13.7	10.0	15.0

Manual Integrations
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7/13/2018 1:35:08 PM



#44

Trichloroethene

Concen: 4.36 ug/l

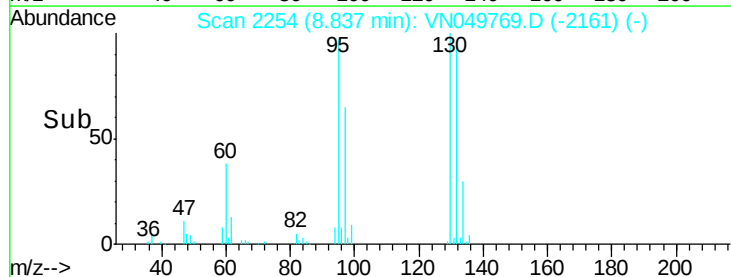
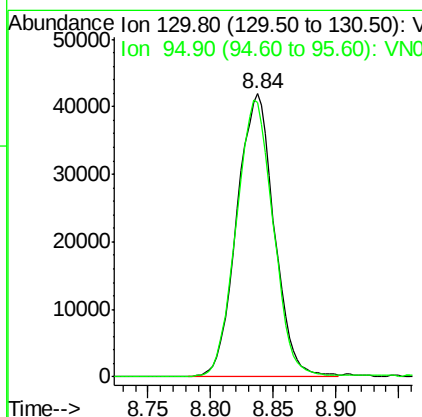
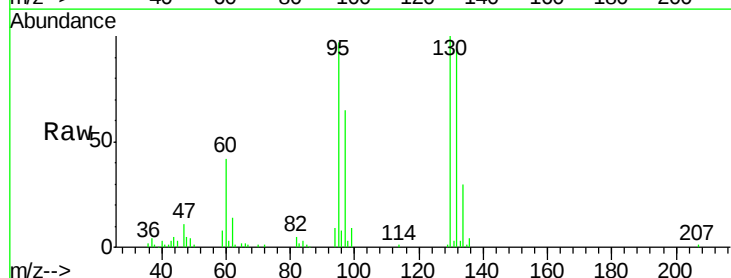
RT: 8.84 min Scan# 2254

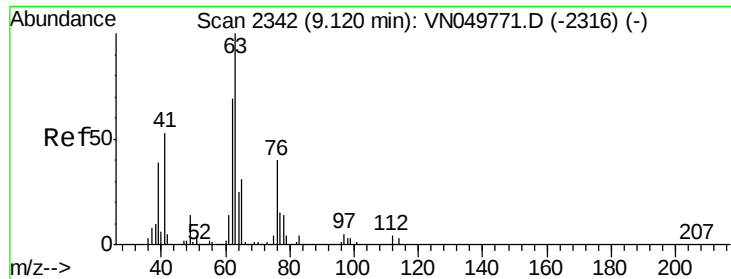
Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	130	Resp:	86904
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	192.8





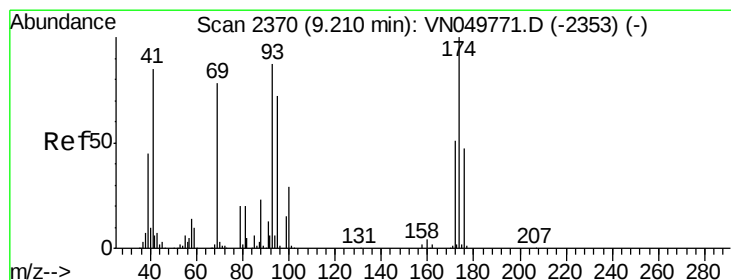
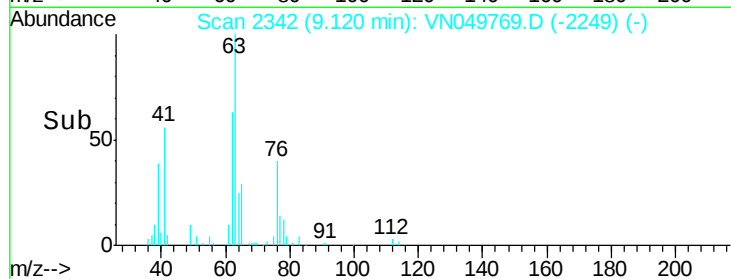
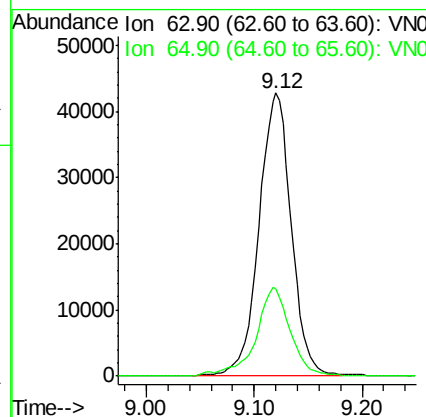
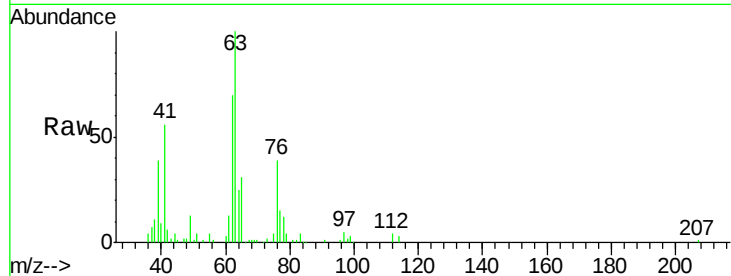
#45
 1,2-Dichloropropane
 Concen: 5.20 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.7	37.1

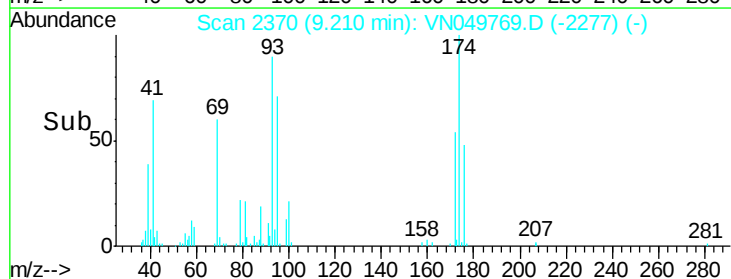
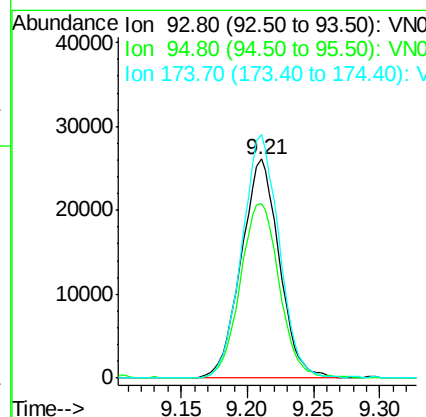
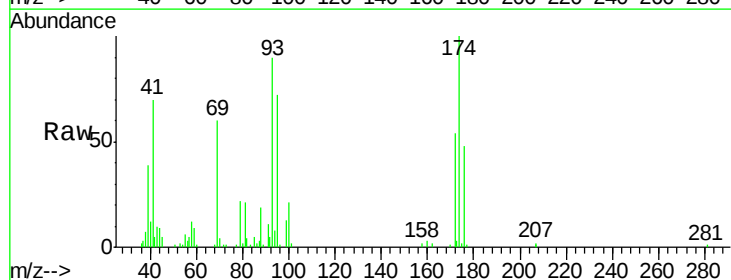
Manual Integrations
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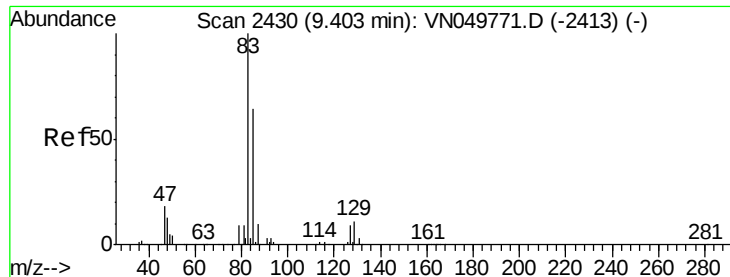
MMDadoda
 7/13/2018 1:35:08 PM



#46
 Dibromomethane
 Concen: 5.06 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.9	101.9
174	108.9	89.4	134.0





#47

Bromodichloromethane

Concen: 5.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

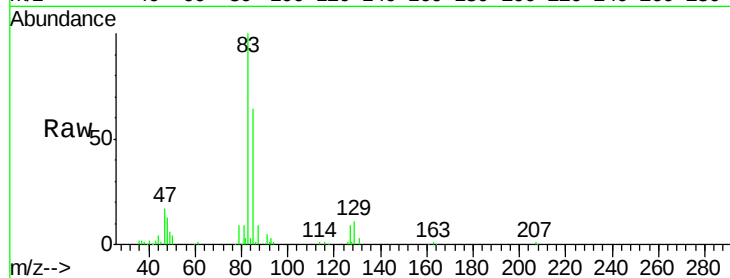
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	114368
Ion Ratio	Lower	Upper	
83	100		
85	63.8	50.5	75.7
127	8.6	6.8	10.2

Manual Integrations
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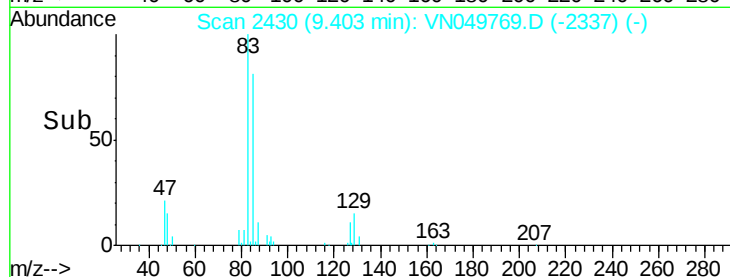
Abundance Ion 82.90 (82.60 to 83.60): VN049769.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049769.D (-2337) (-)

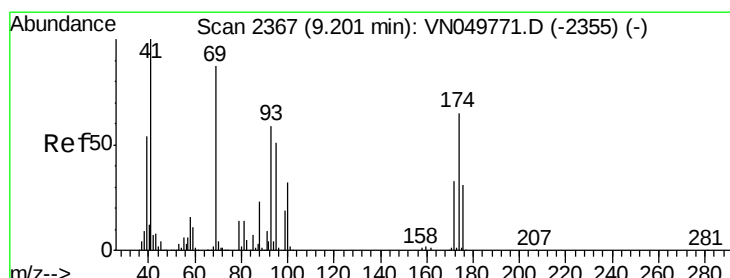
Ion 126.80 (126.50 to 127.50): VN049769.D (-2337) (-)

Time-->

9.30 9.35 9.40 9.45 9.50



9.30 9.35 9.40 9.45 9.50



#48

Methyl methacrylate

Concen: 4.45 ug/l

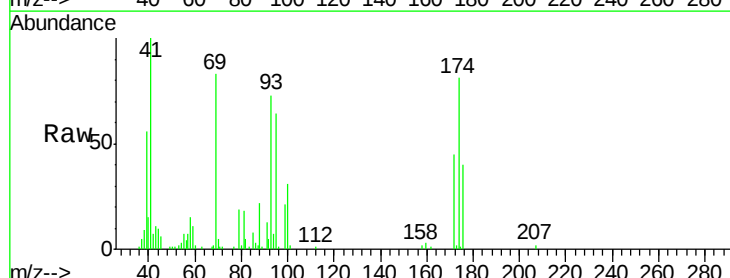
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	41	Resp:	49904
Ion Ratio	Lower	Upper	
41	100		
69	86.7	71.5	107.3
39	52.3	44.7	67.1



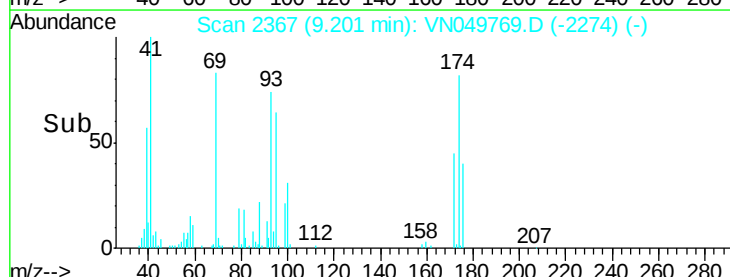
Abundance Ion 41.00 (40.70 to 41.70): VN049769.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049769.D (-2274) (-)

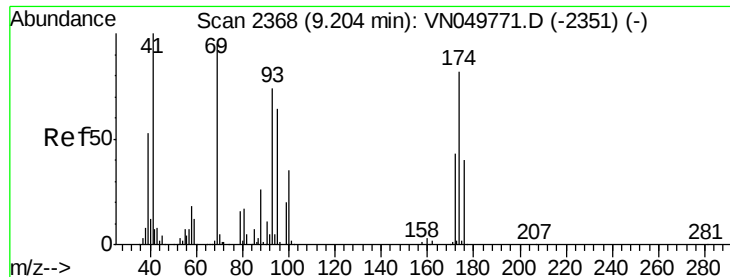
Ion 39.00 (38.70 to 39.70): VN049769.D (-2274) (-)

Time-->

9.15 9.20 9.25



9.15 9.20 9.25



#49

1,4-Dioxane

Concen: 90.31 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 88 Resp: 13620

Ion Ratio Lower Upper

88 100

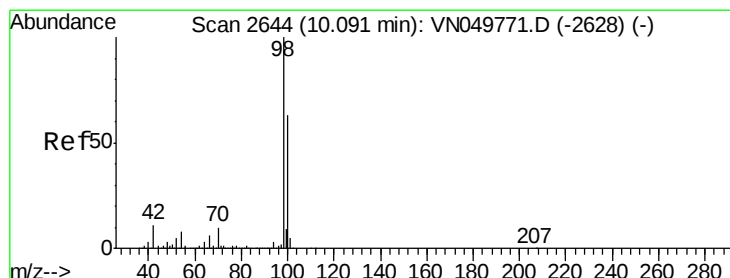
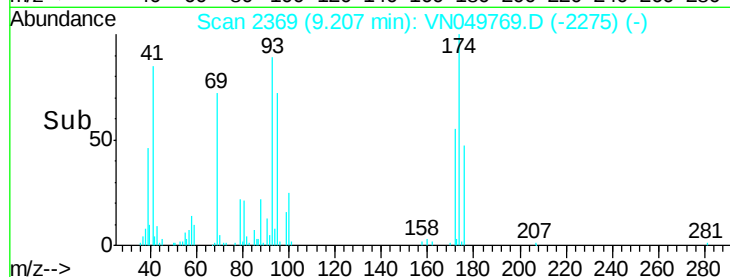
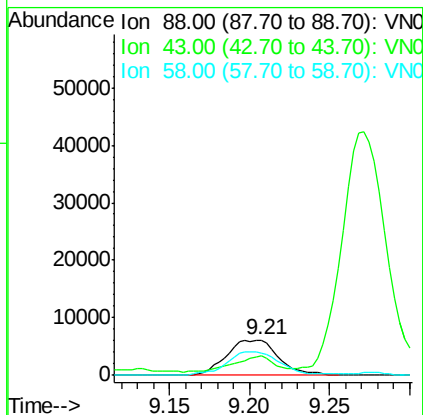
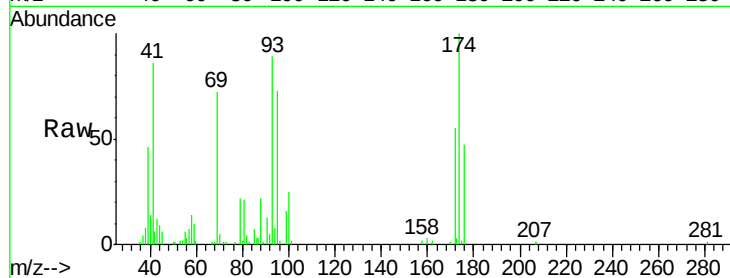
43 34.2 25.1 37.7

58 67.4 52.5 78.7

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#50

Toluene-d8

Concen: 5.06 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN049769.D

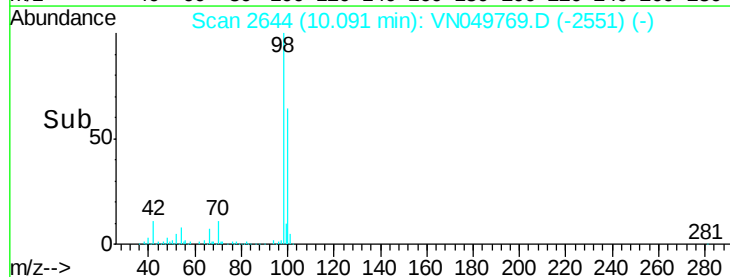
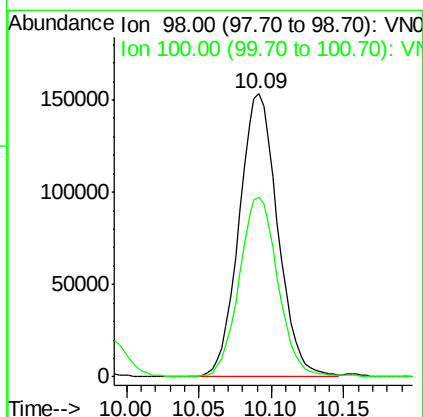
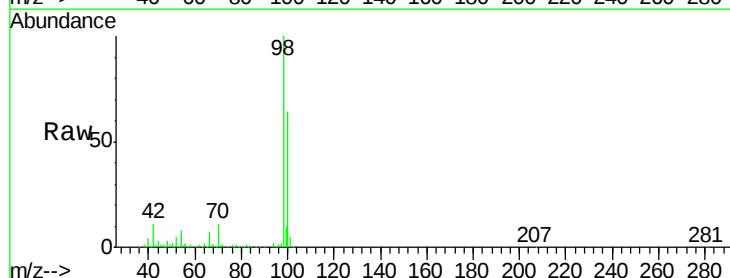
Acq: 12 Jul 2018 11:05

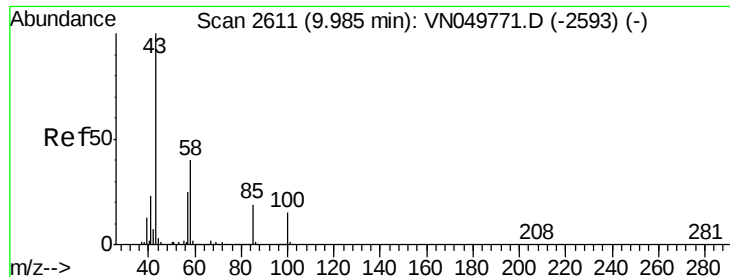
Tgt Ion: 98 Resp: 284673

Ion Ratio Lower Upper

98 100

100 63.0 51.7 77.5





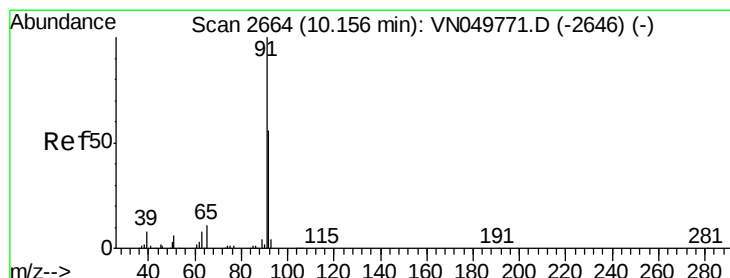
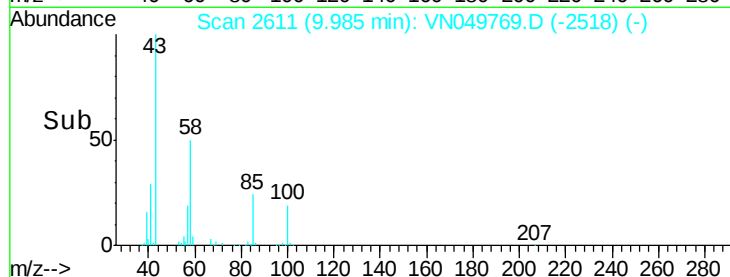
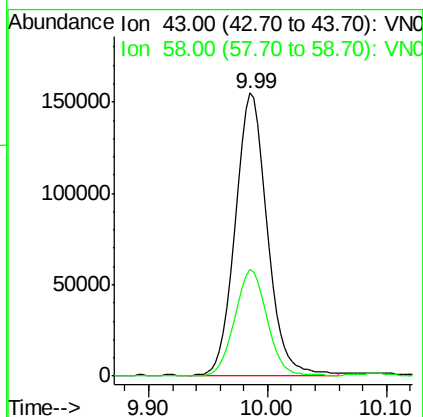
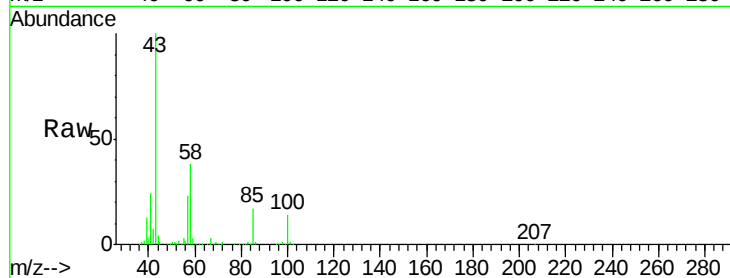
#51
4-Methyl-2-Pentanone
Concen: 23.23 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.0	31.8	47.8

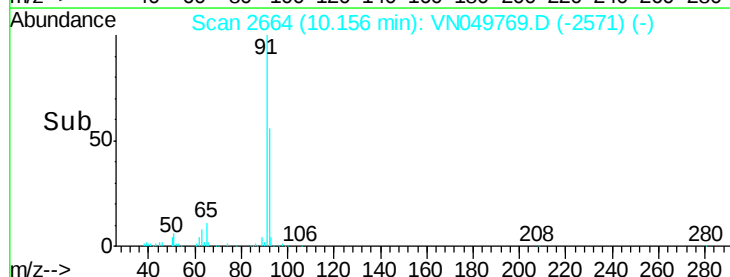
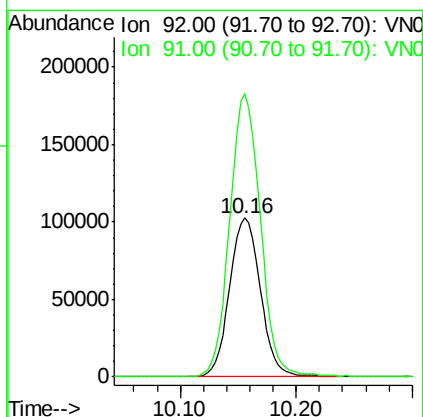
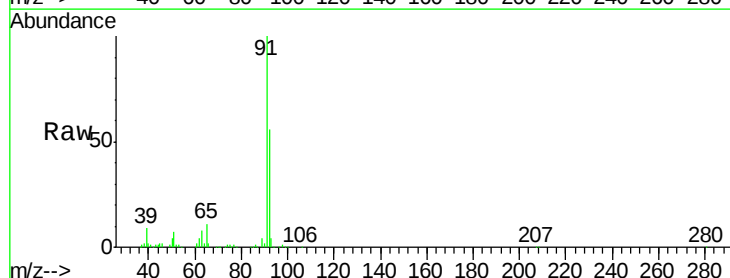
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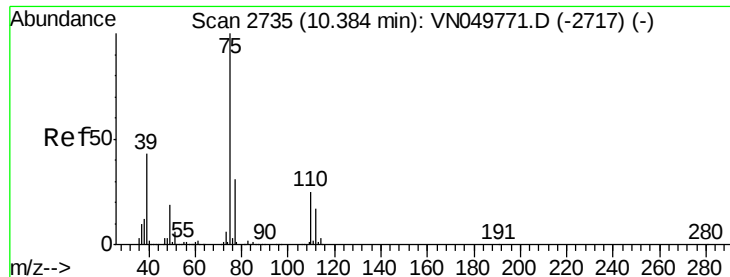
MMDadoda
7/13/2018 1:35:08 PM



#52
Toluene
Concen: 4.76 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.4	140.1	210.1





#53

t-1,3-Dichloropropene

Concen: 4.72 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 75 Resp: 99340

Ion Ratio Lower Upper

75 100

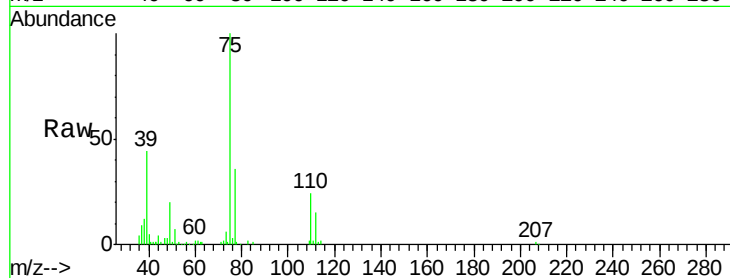
77 33.9 25.2 37.8

Manual Integrations

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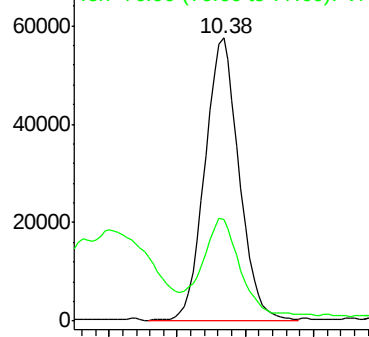
MMDadoda

7/13/2018 1:35:08 PM

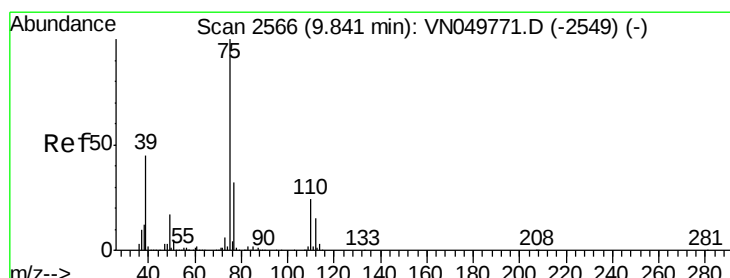
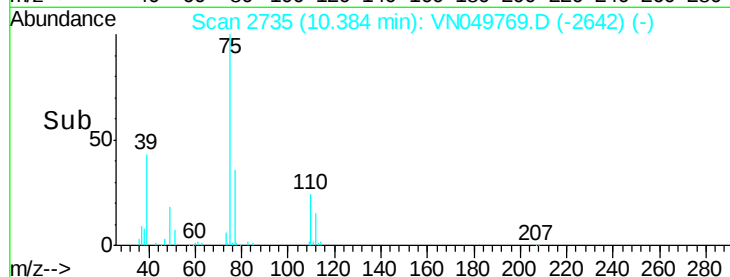


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 4.81 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

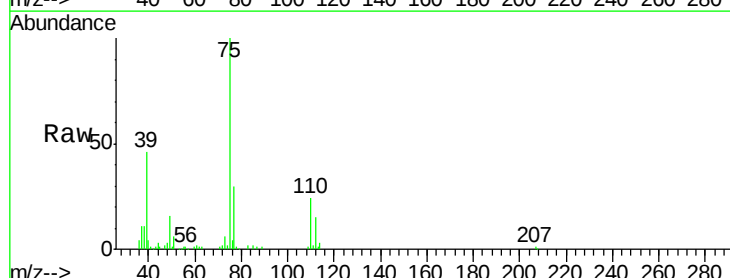
Tgt Ion: 75 Resp: 118438

Ion Ratio Lower Upper

75 100

77 29.8 25.3 37.9

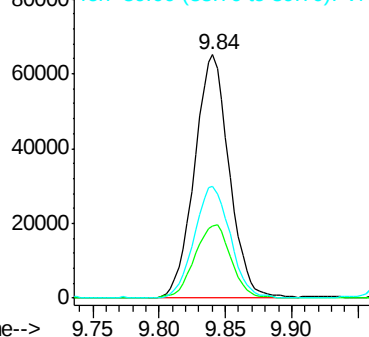
39 45.5 35.5 53.3



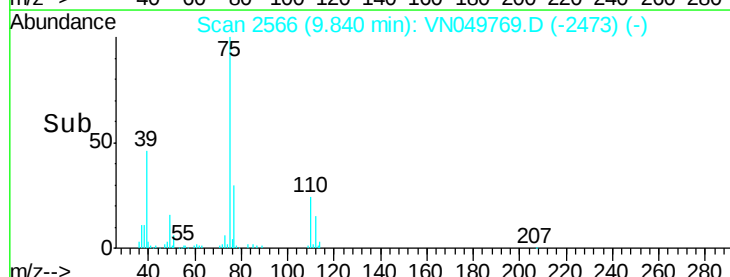
Abundance Ion 74.90 (74.60 to 75.60): VN0

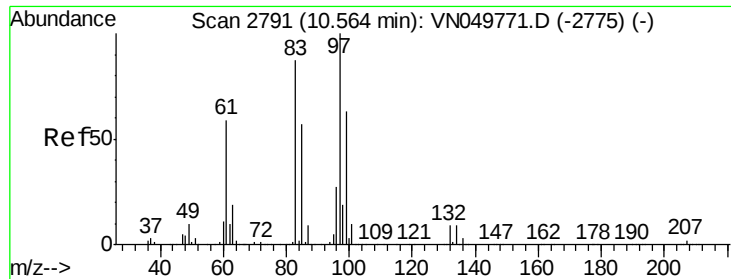
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





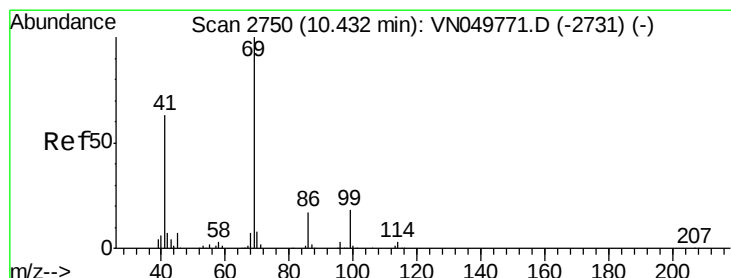
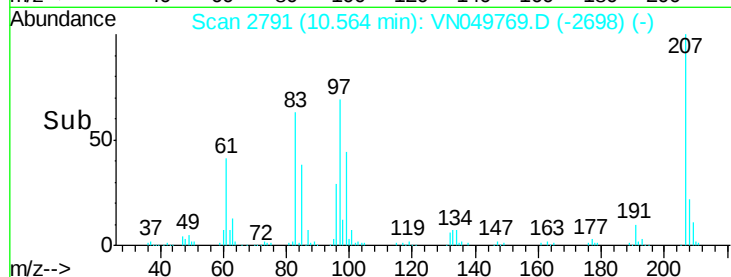
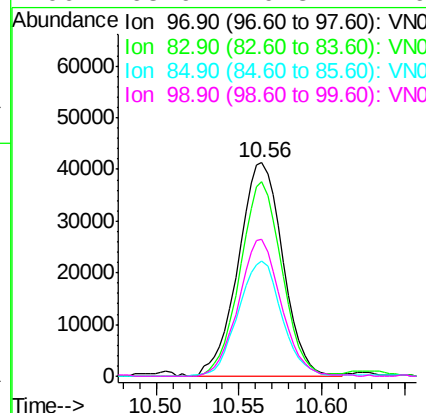
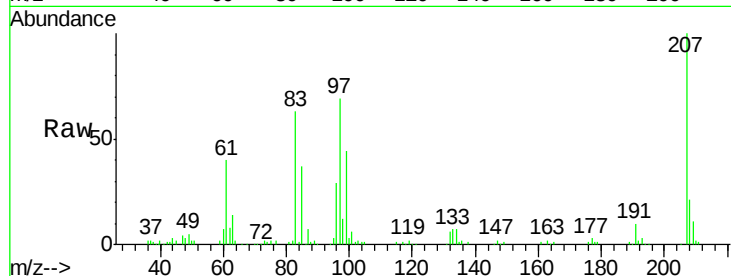
#55
 1,1,2-Trichloroethane
 Concen: 5.20 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		77350		
83	91.3	69.0	103.6		
85	53.8	44.9	67.3		
99	63.9	49.8	74.6		

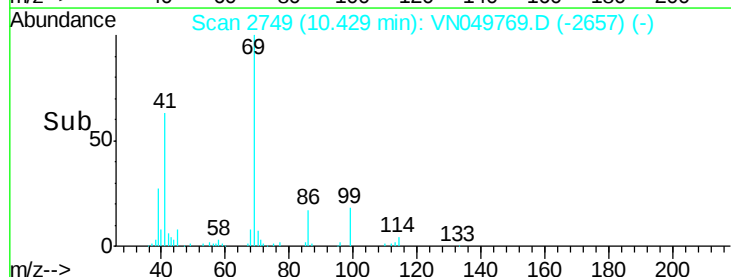
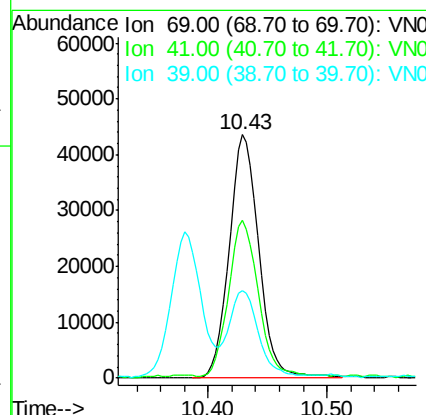
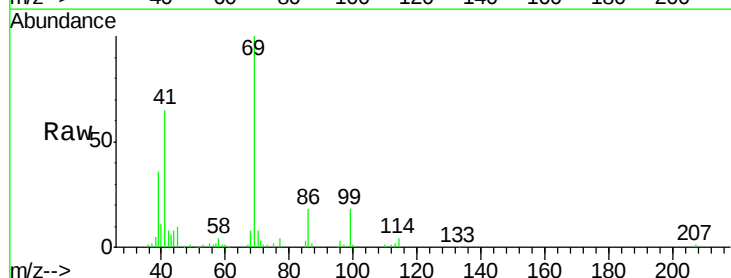
Manual Integrations
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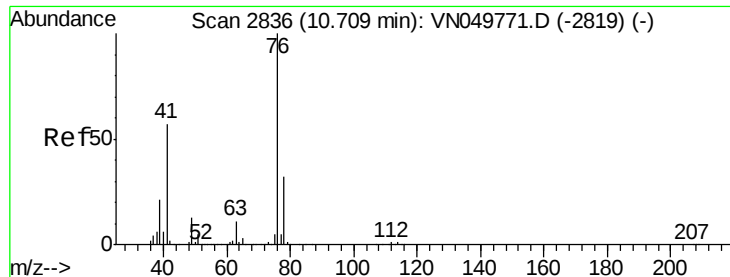
MMDadoda
 7/13/2018 1:35:08 PM



#56
 Ethyl methacrylate
 Concen: 4.32 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75232		
41	63.9	51.6	77.4		
39	33.9	25.8	38.8		





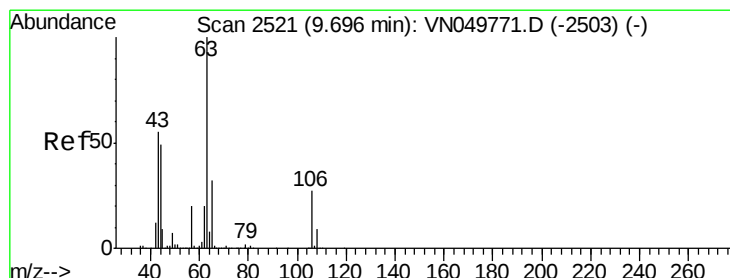
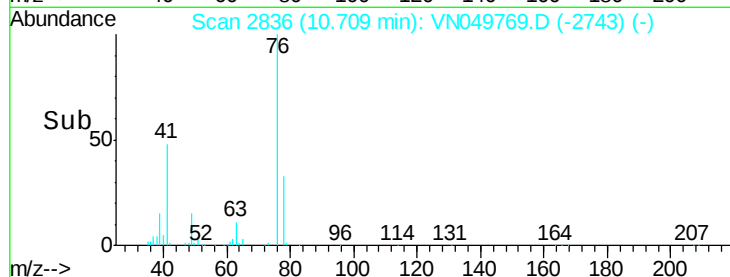
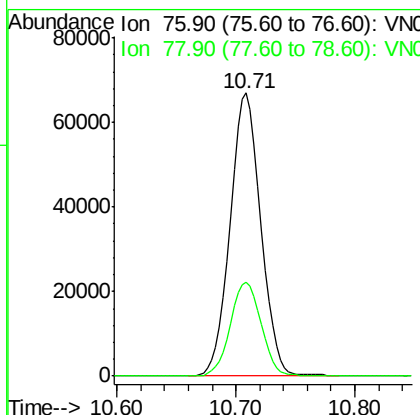
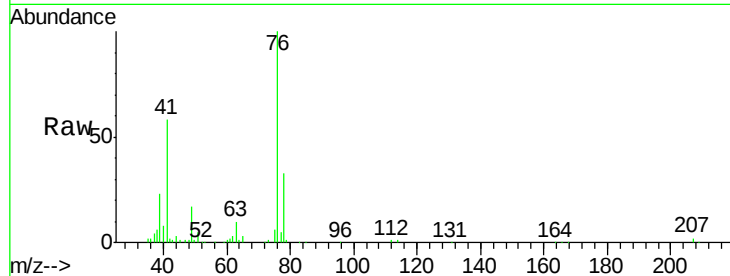
#57
 1,3-Dichloropropane
 Concen: 4.96 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	33.4	25.8	38.8	

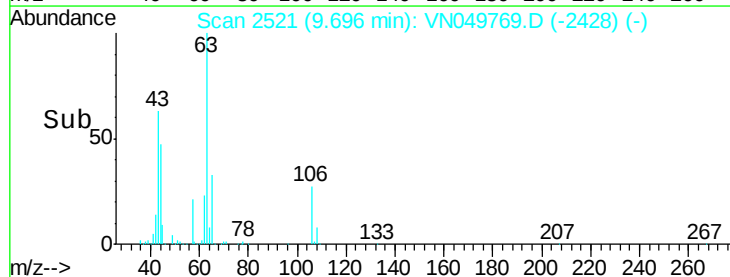
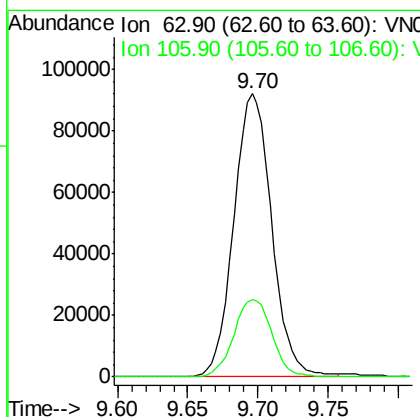
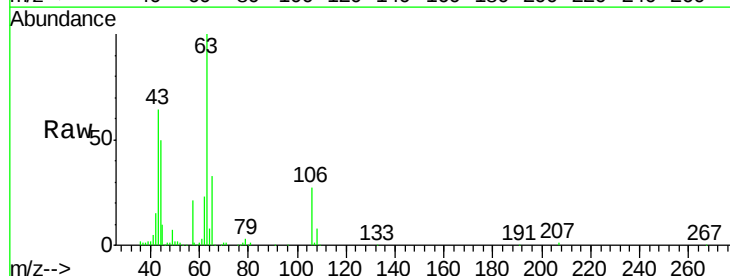
Manual Integrations
 APPROVED

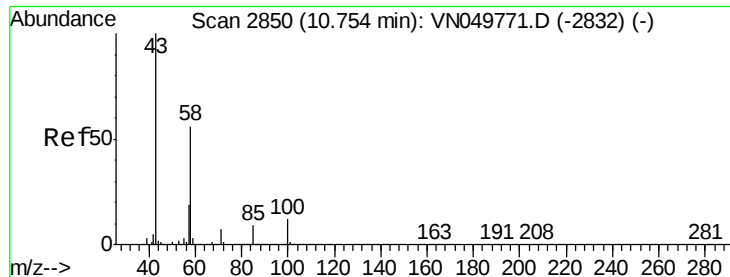
MMDadoda
 7/13/2018 1:35:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.39 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
106	27.6	21.8	32.8	





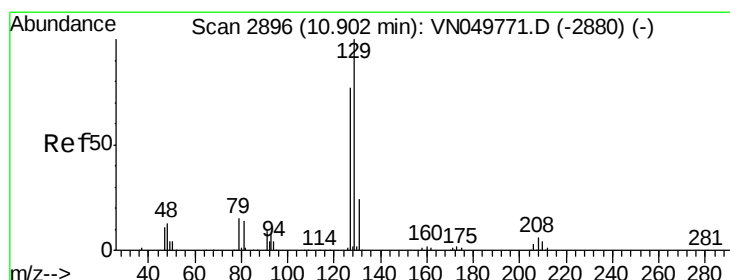
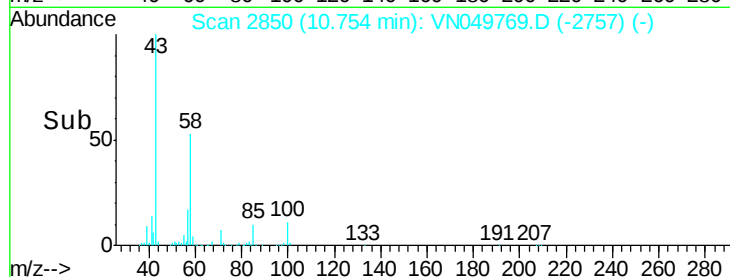
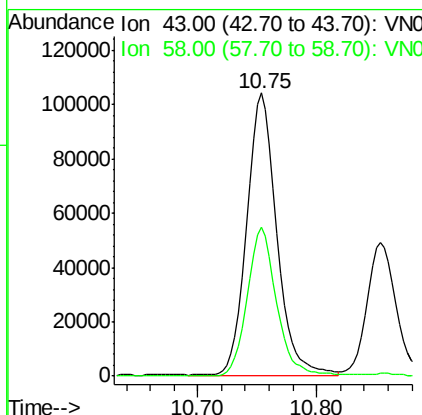
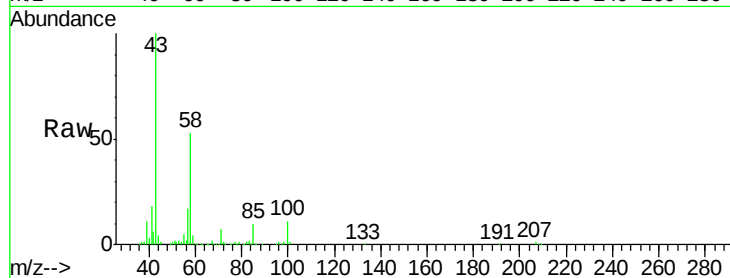
#59
2-Hexanone
Concen: 22.10 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	27.8	83.4

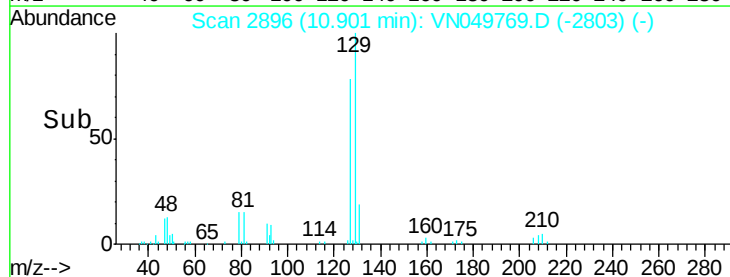
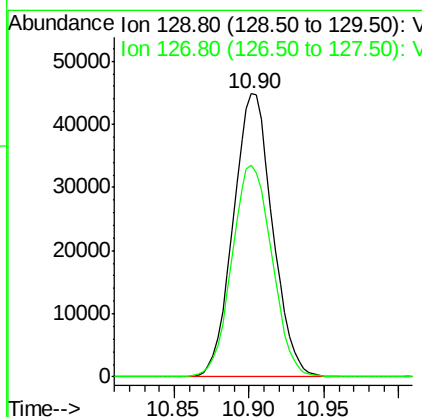
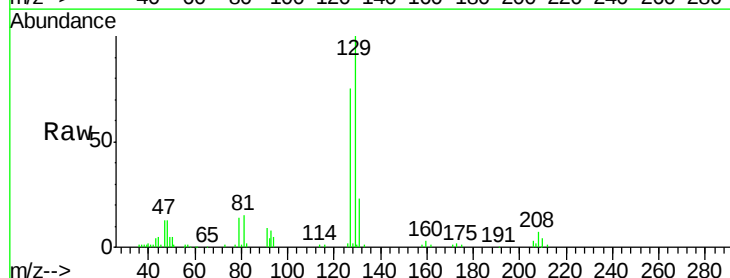
Manual Integrations
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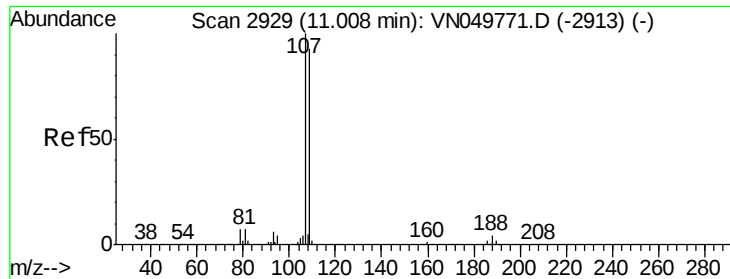
MMDadoda
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#60
Dibromochloromethane
Concen: 5.09 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	38.3	114.9





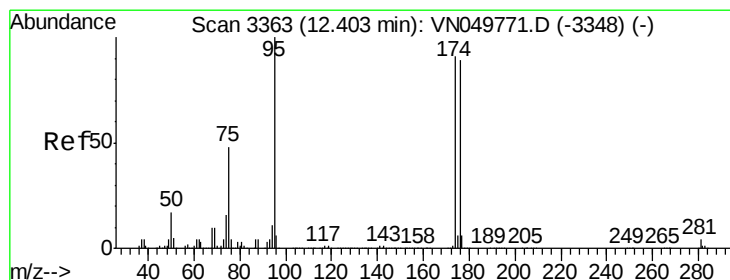
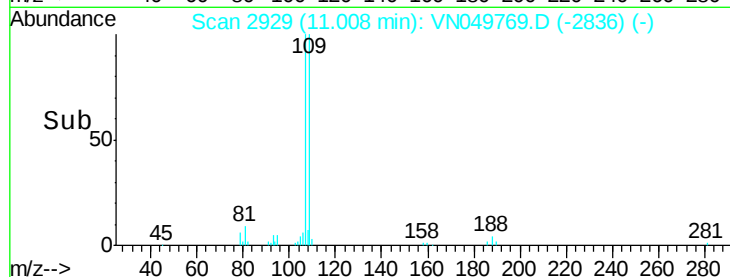
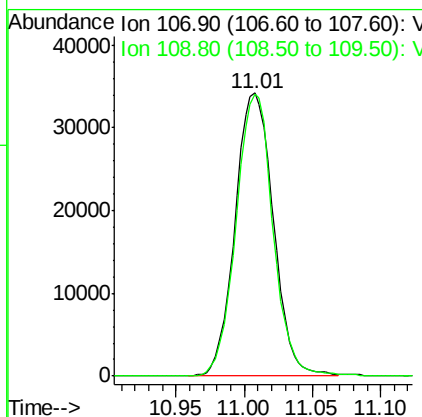
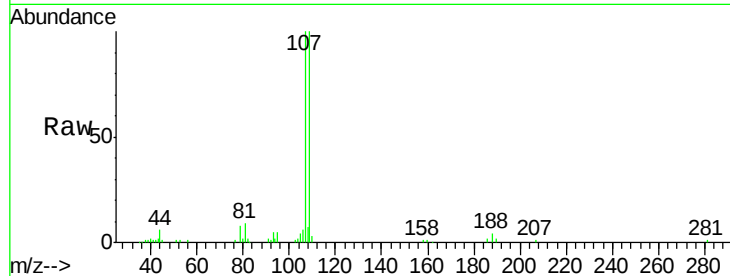
#61
 1,2-Dibromoethane
 Concen: 4.68 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.0	112.6

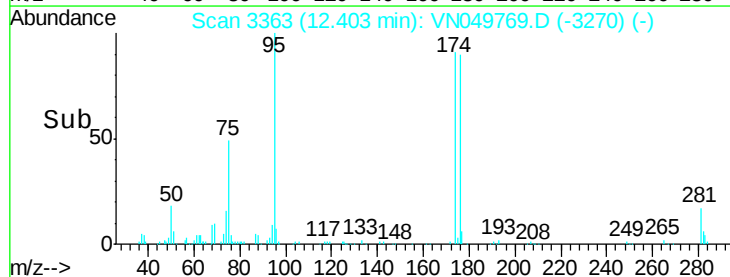
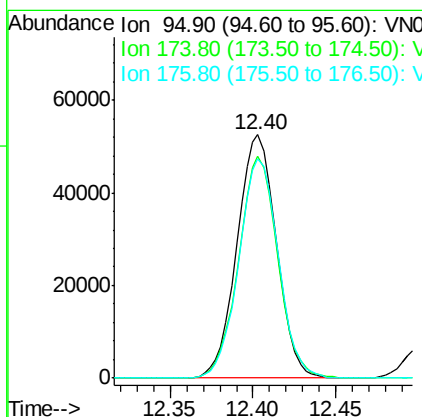
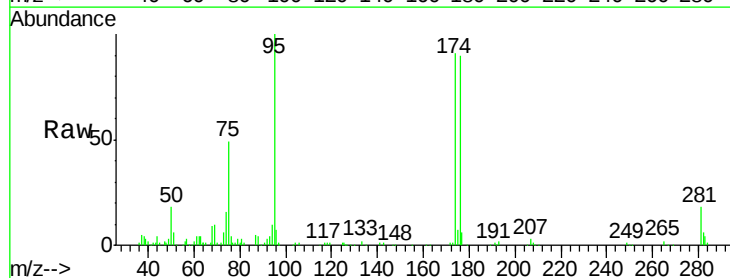
Manual Integrations
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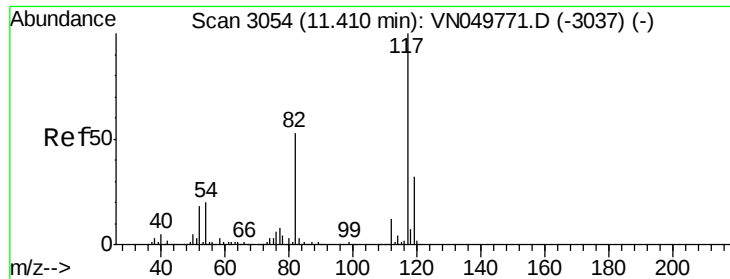
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#62
 4-Bromofluorobenzene
 Concen: 4.52 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	179.6
176	90.5	0.0	174.0





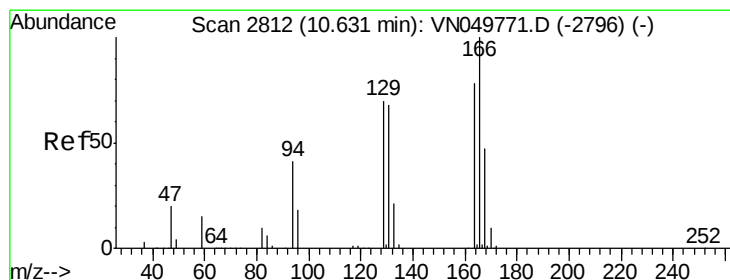
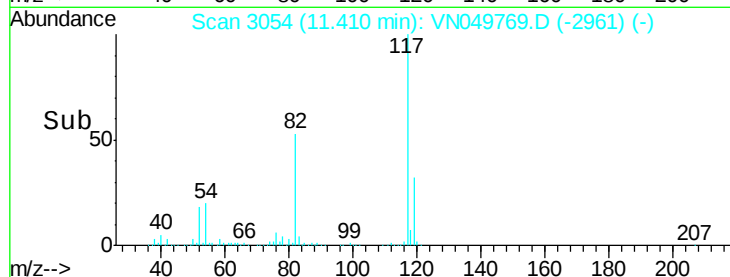
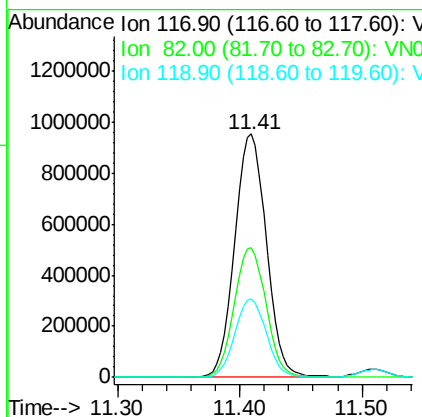
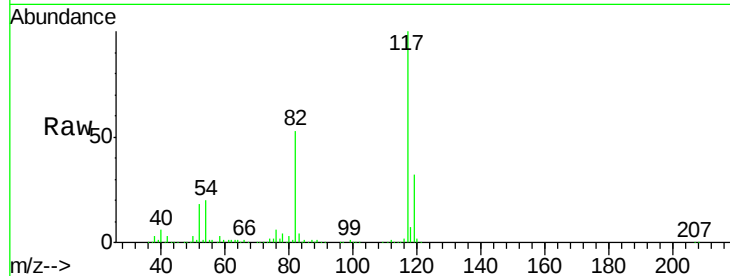
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 1714484
Ion Ratio Lower Upper
117 100
82 53.5 41.9 62.9
119 32.3 25.4 38.2

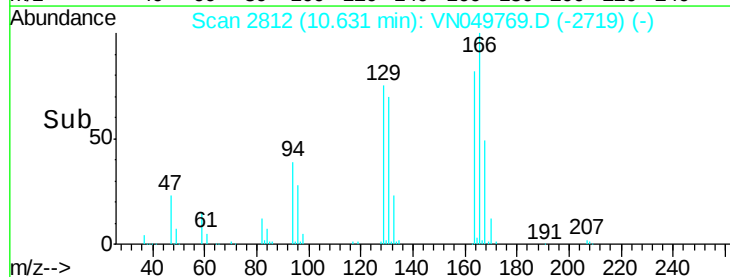
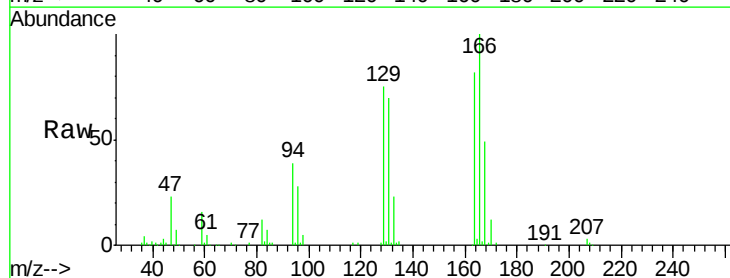
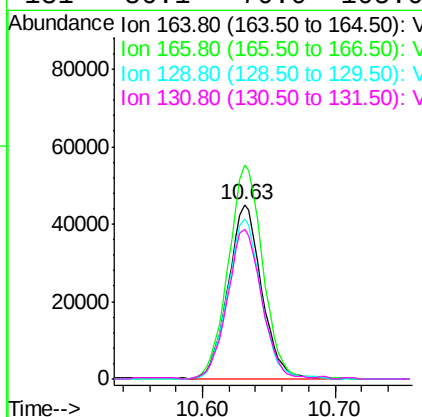
Manual Integrations
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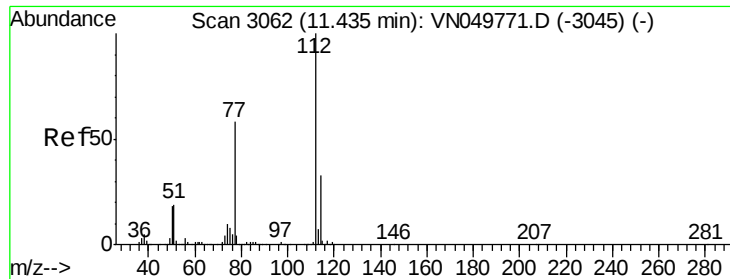
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#64
Tetrachloroethene
Concen: 3.40 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion:164 Resp: 78960
Ion Ratio Lower Upper
164 100
166 122.7 101.8 152.6
129 91.9 72.8 109.2
131 86.1 70.0 105.0





#65

Chlorobenzene

Concen: 4.91 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 219432

Ion Ratio Lower Upper

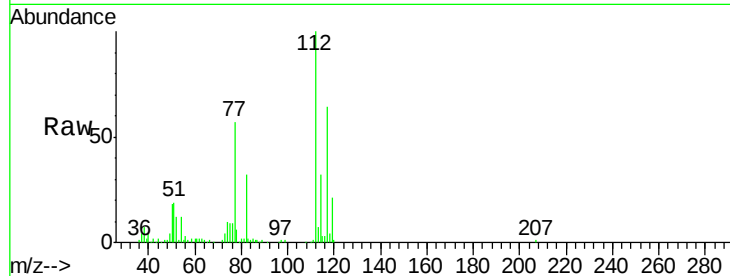
112 100

114 32.0 25.4 38.0

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

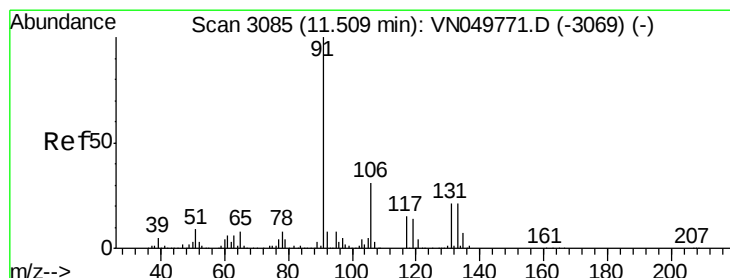
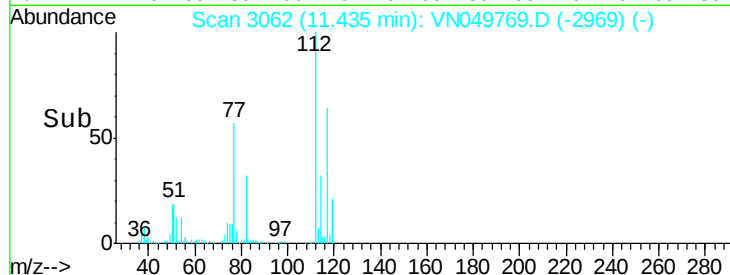
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 5.07 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

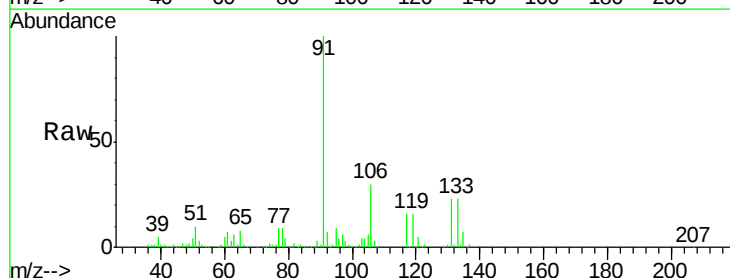
Tgt Ion:131 Resp: 81410

Ion Ratio Lower Upper

131 100

133 98.4 47.5 142.6

119 66.5 33.1 99.3



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

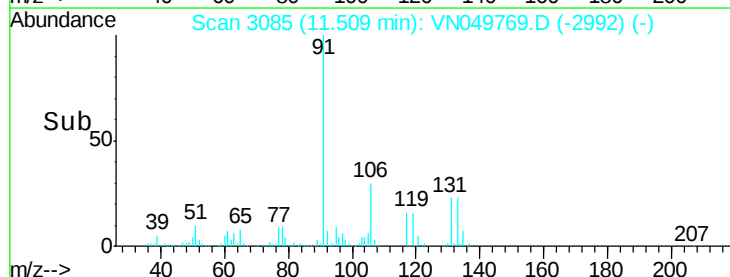
300000

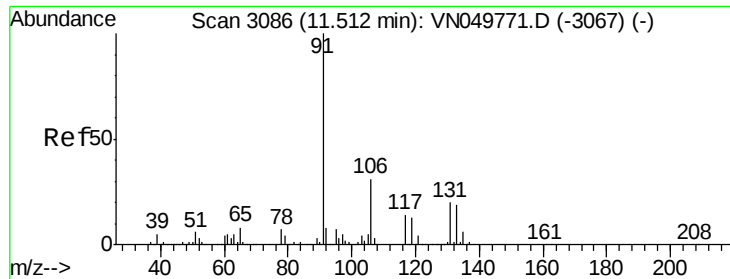
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 4.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 342581

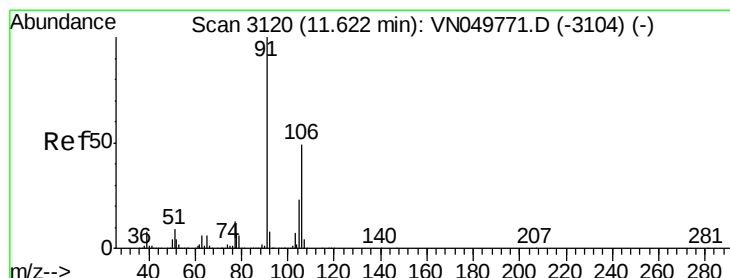
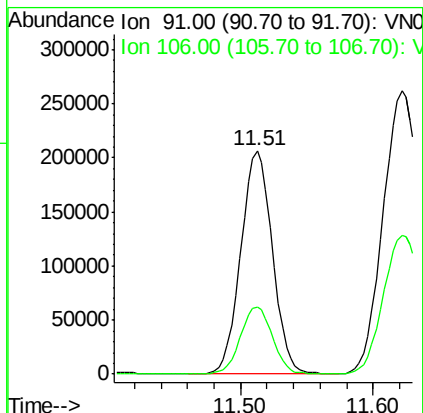
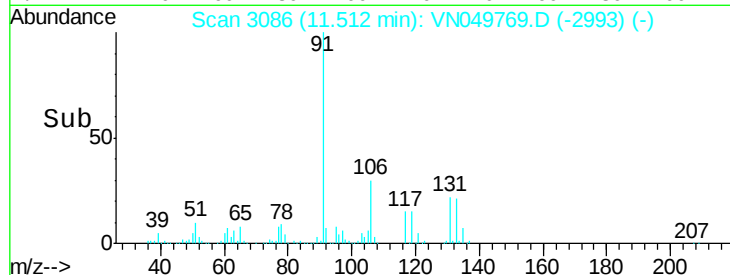
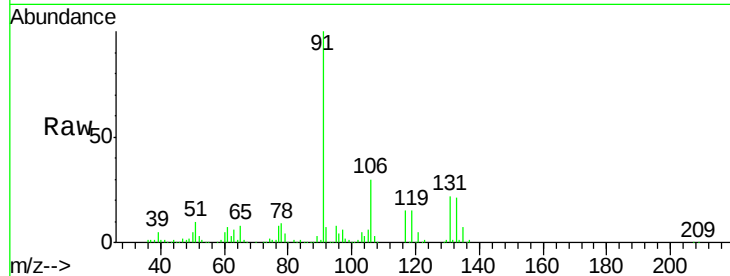
Ion Ratio Lower Upper

91 100

106 30.2 24.8 37.2

Manual Integrations
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#68

m/p-Xylenes

Concen: 9.03 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049769.D

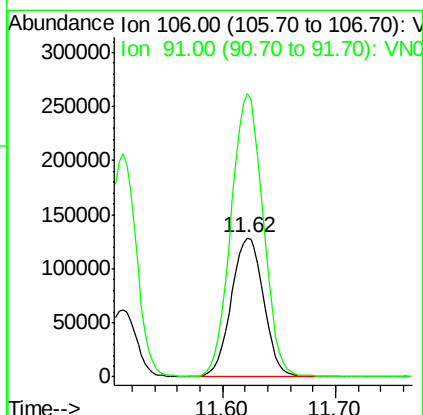
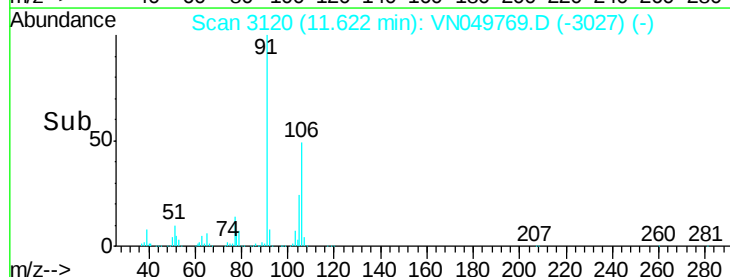
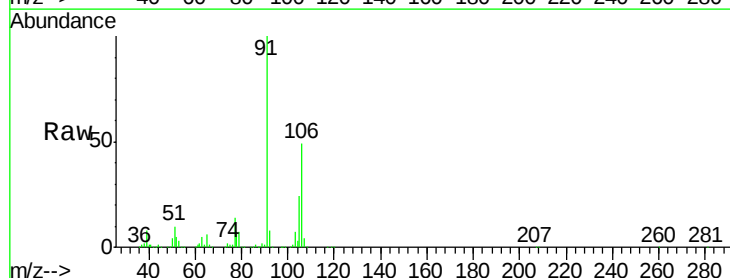
Acq: 12 Jul 2018 11:05

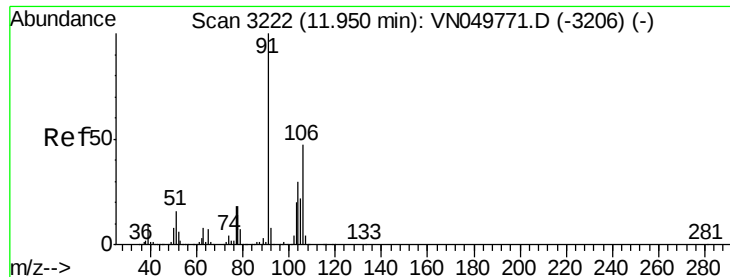
Tgt Ion: 106 Resp: 255780

Ion Ratio Lower Upper

106 100

91 202.3 163.4 245.2





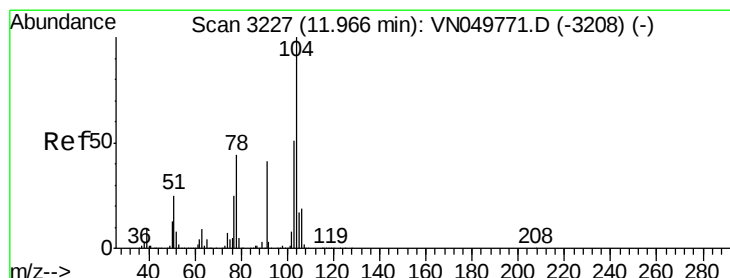
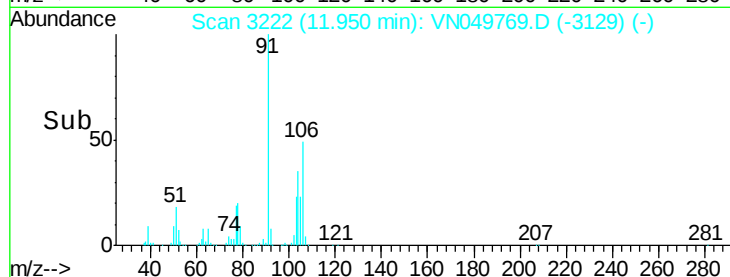
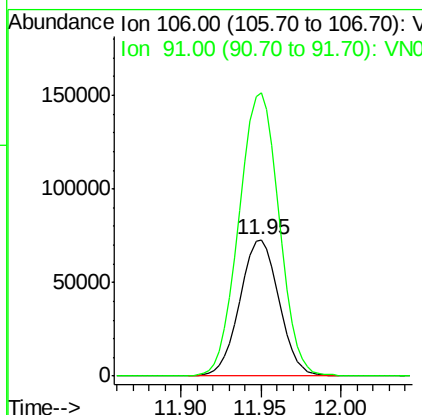
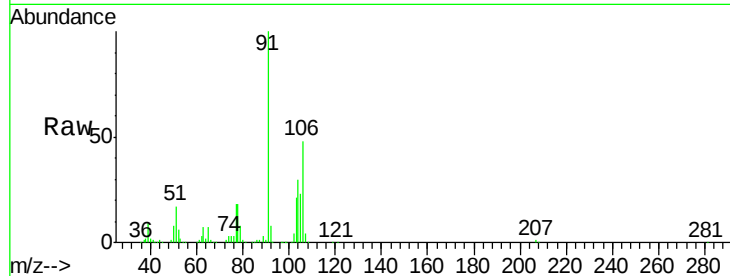
#69
o-Xylene
Concen: 4.50 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.8	108.7	326.1

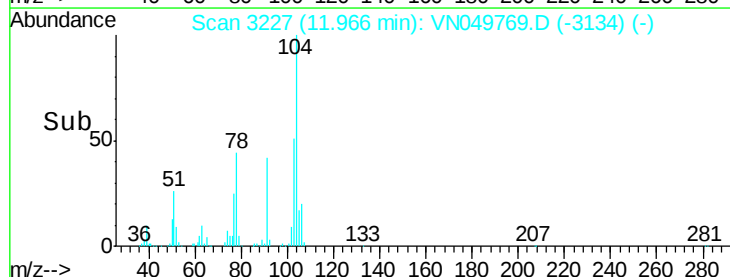
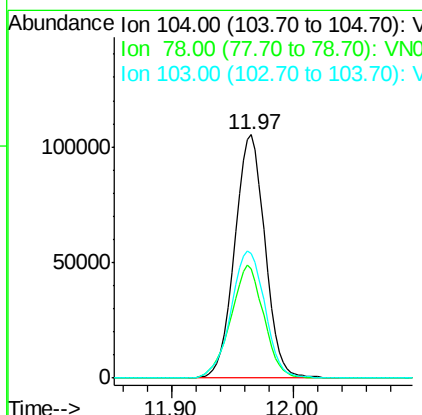
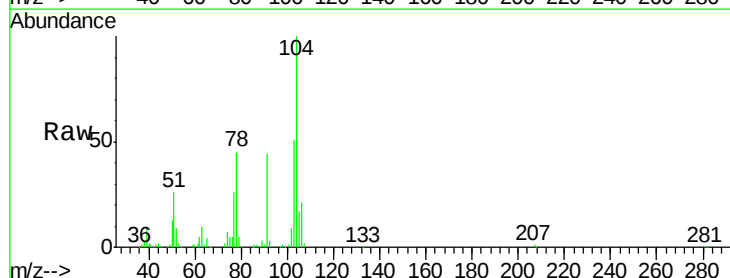
Manual Integrations
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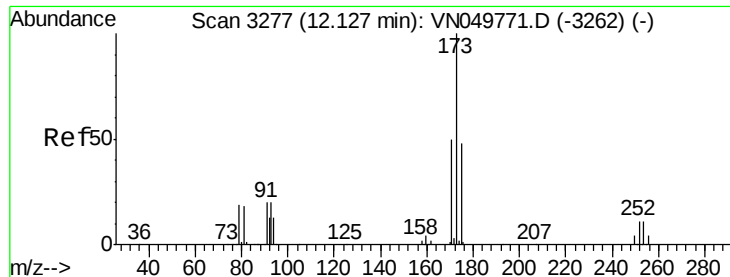
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#70
Styrene
Concen: 4.13 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.5	39.2	58.8
103	58.6	44.6	67.0





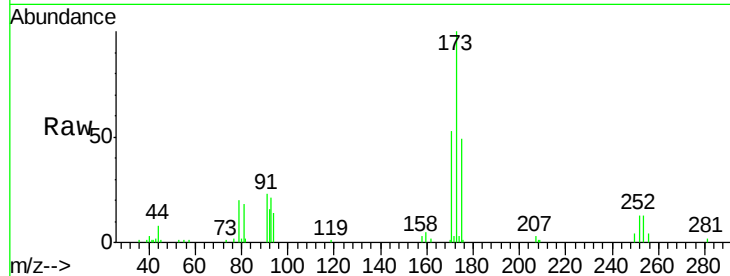
#71
Bromoform
Concen: 4.85 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

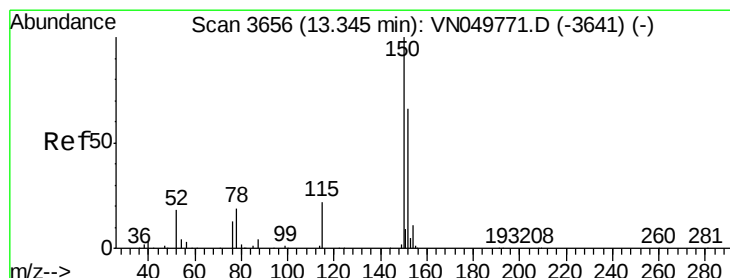
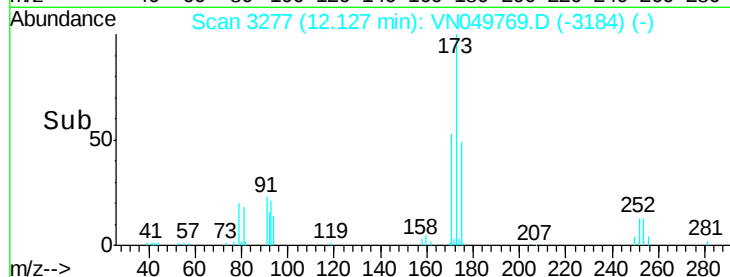
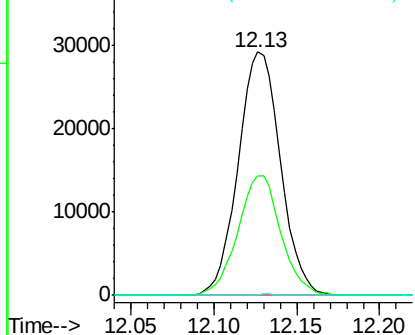
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	73.8
254	0.1	0.2	0.2#

Manual Integrations
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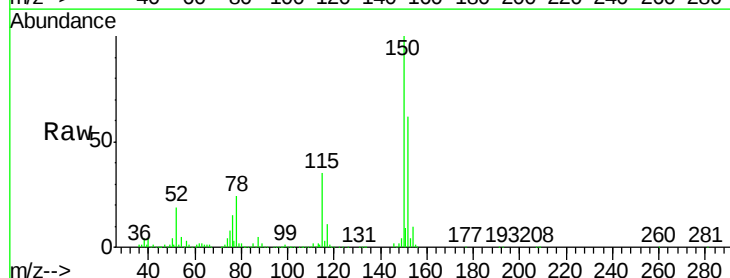


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

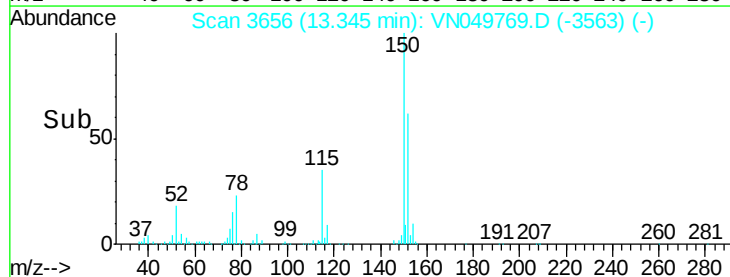
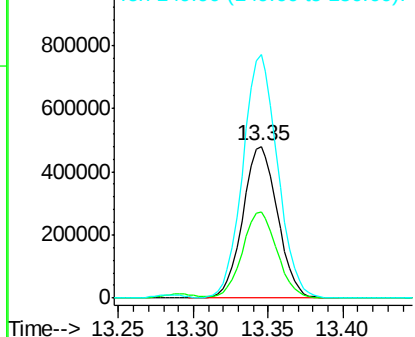


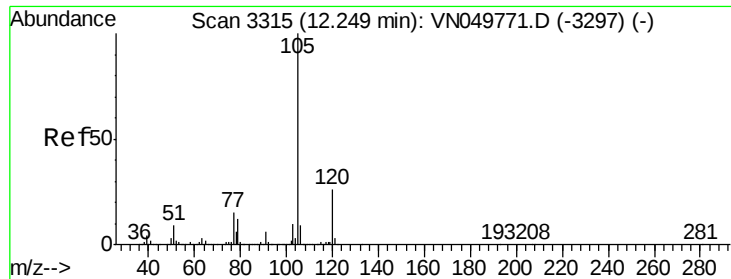
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.1	84.2
150	160.6	0.0	347.6



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: 5.35 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 330953

Ion Ratio Lower Upper

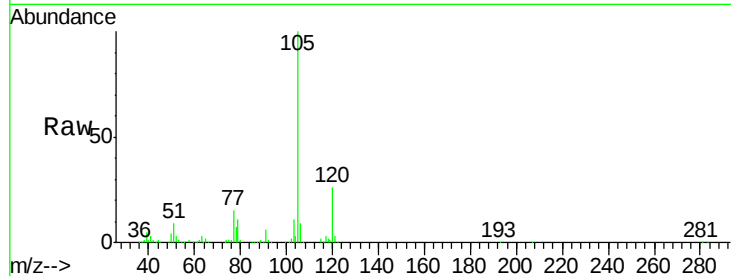
105 100

120 25.2 13.3 39.8

Manual Integrations
APPROVED

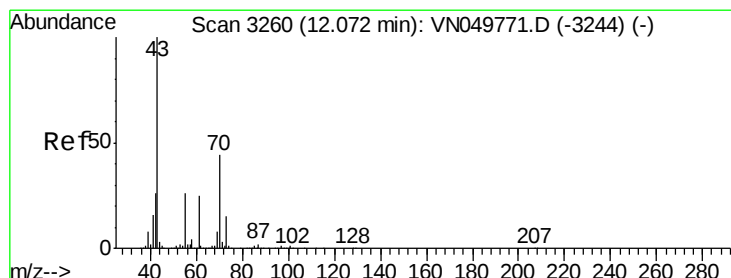
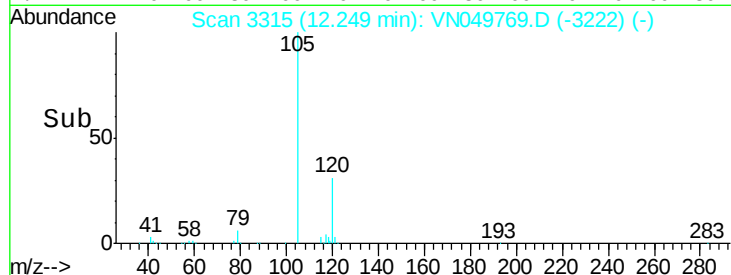
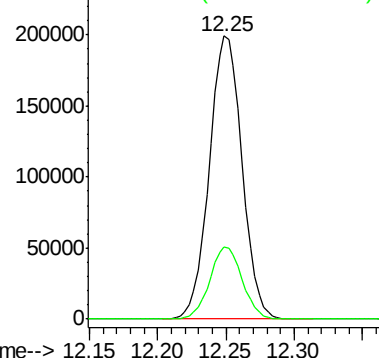
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.68 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion: 43 Resp: 79025

Ion Ratio Lower Upper

43 100

70 39.8 34.8 52.2

55 25.4 20.9 31.3

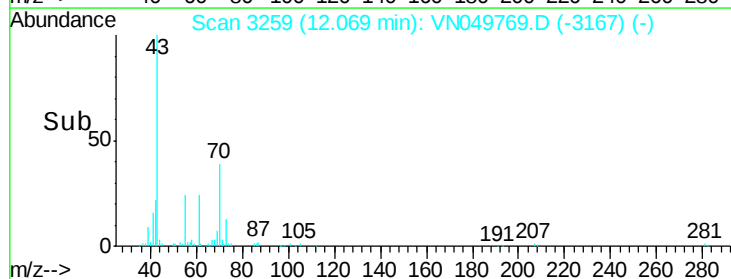
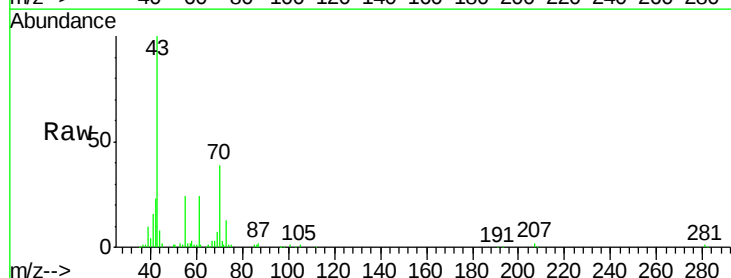
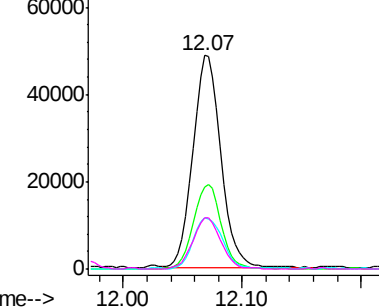
61 24.5 19.9 29.9

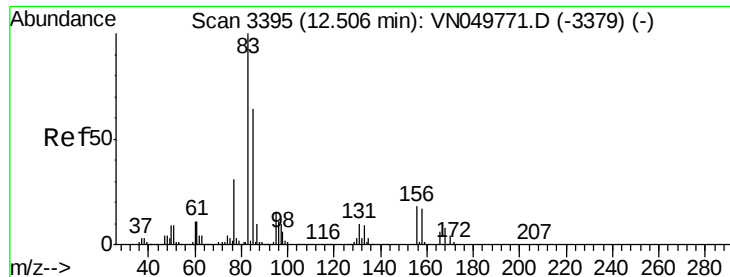
Abundance Ion 43.00 (42.70 to 43.70): V

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: 6.05 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

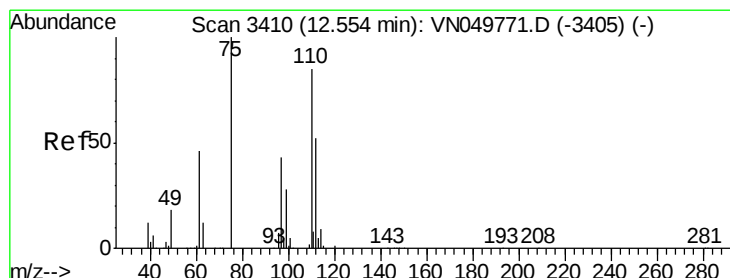
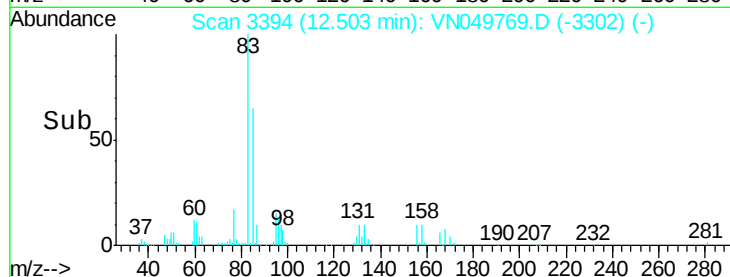
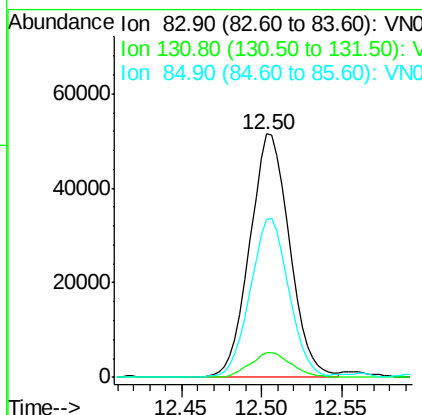
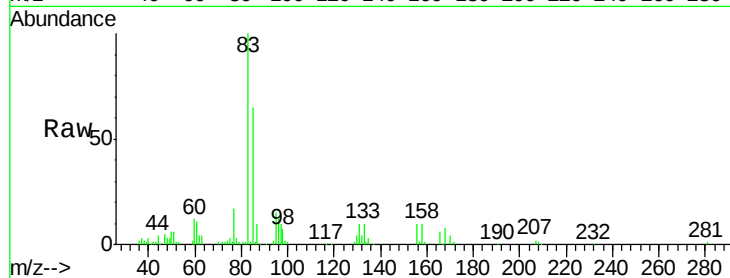
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	88369
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	62.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.33 ug/l m

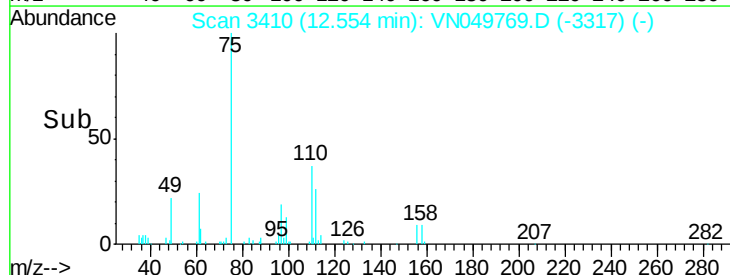
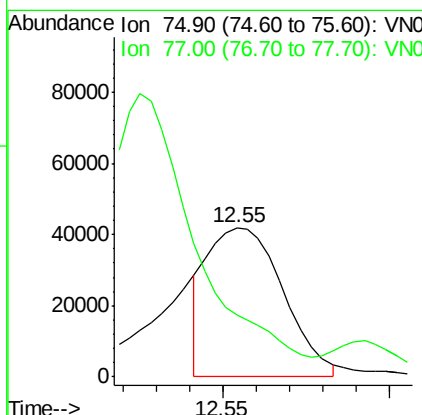
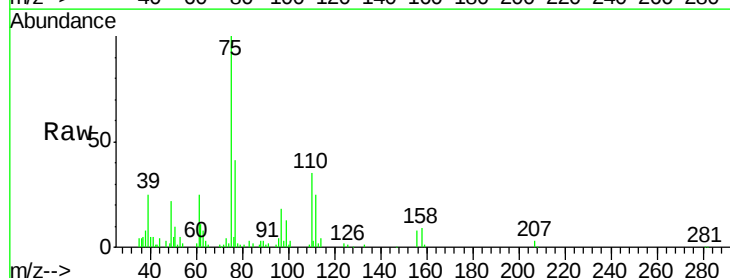
RT: 12.55 min Scan# 3410

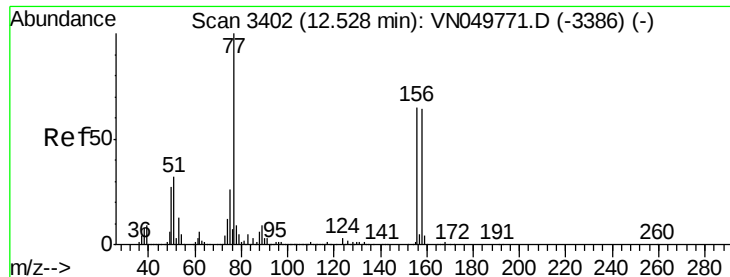
Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	75	Resp:	66364
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.19 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 87307

Ion Ratio Lower Upper

156 100

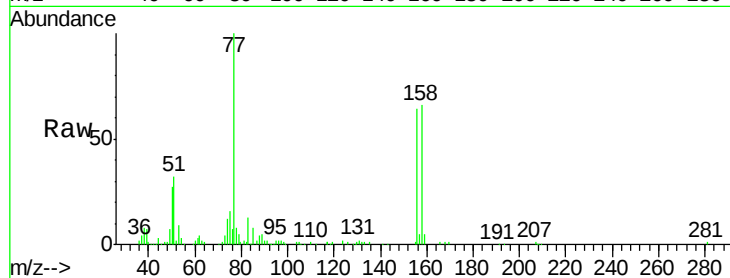
77 179.7 90.2 270.6

158 101.8 49.1 147.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

100000

80000

60000

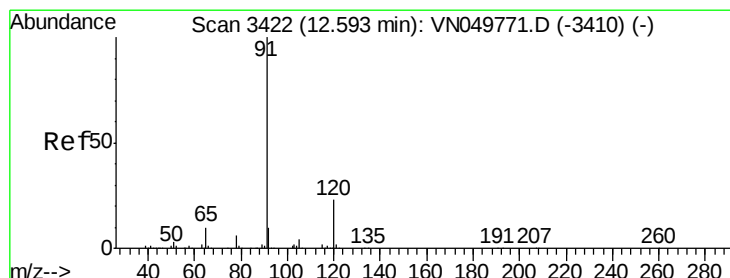
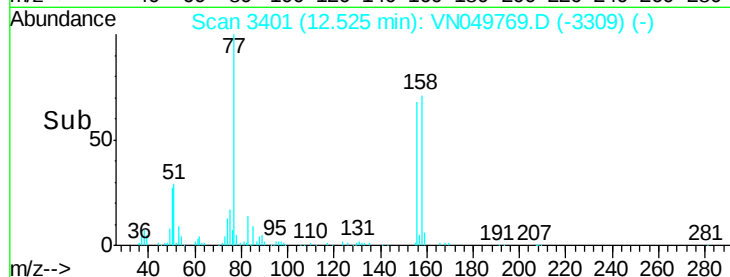
40000

20000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 5.03 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049769.D

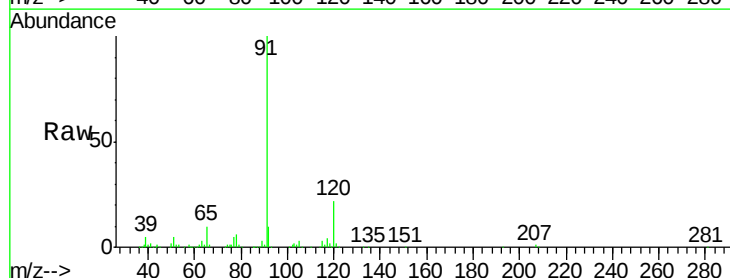
Acq: 12 Jul 2018 11:05

Tgt Ion: 91 Resp: 356463

Ion Ratio Lower Upper

91 100

120 23.3 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

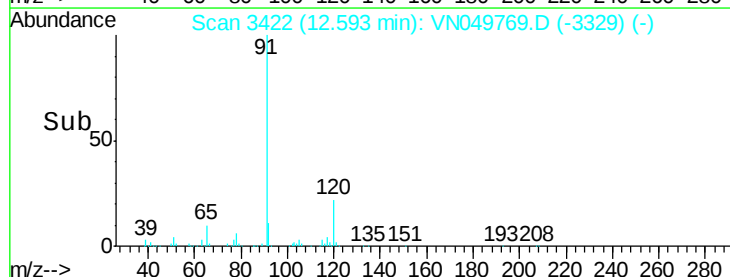
100000

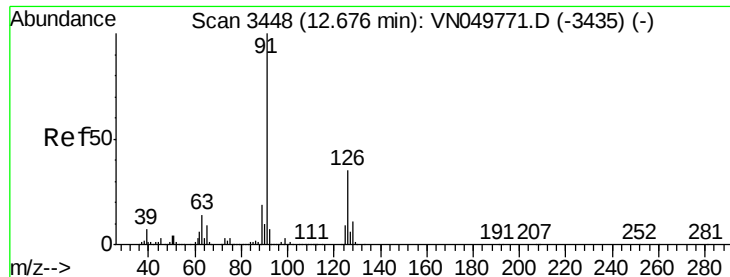
50000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 5.07 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 91 Resp: 227759

Ion Ratio Lower Upper

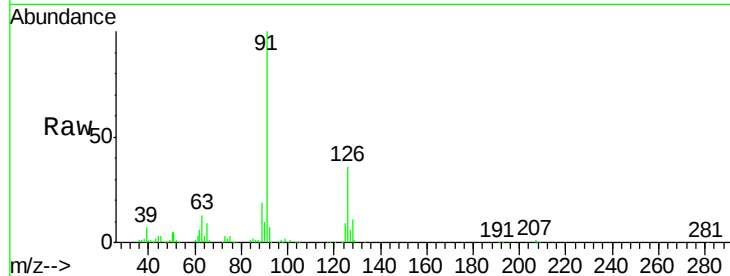
91 100

126 36.1 17.5 52.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

250000

200000

150000

100000

50000

0

12.60 12.65 12.70

12.68

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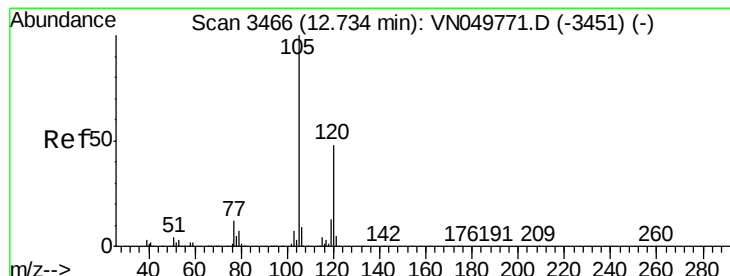
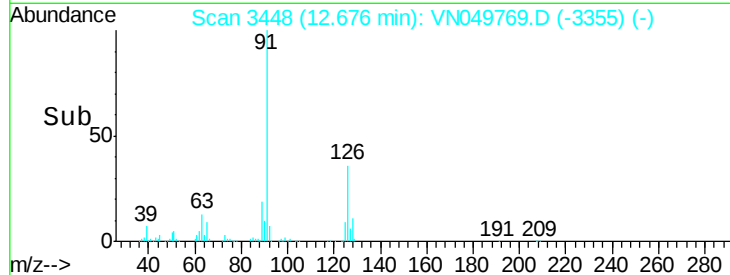
12.68

12.68

12.68

12.68

12.68



#80

1,3,5-Trimethylbenzene

Concen: 4.87 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049769.D

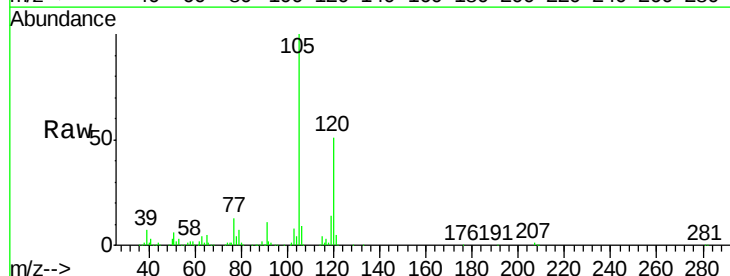
Acq: 12 Jul 2018 11:05

Tgt Ion: 105 Resp: 250269

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3451) (-)

150000

100000

50000

0

12.65 12.70 12.75 12.80

12.73

12.73

12.73

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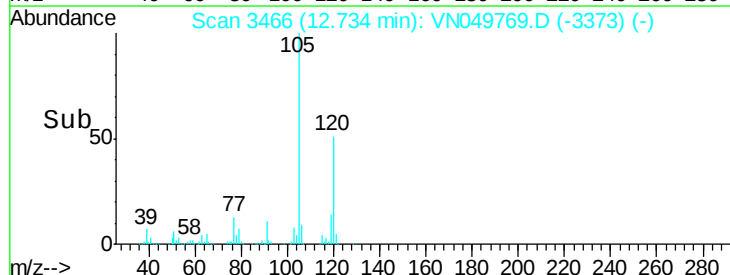
12.73

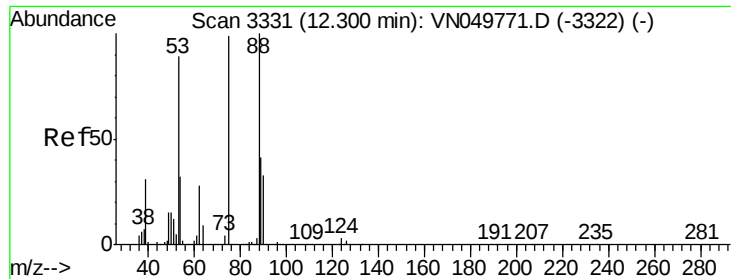
12.73

12.73

12.73

12.73





#81

trans-1,4-Dichloro-2-butene

Concen: 5.42 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

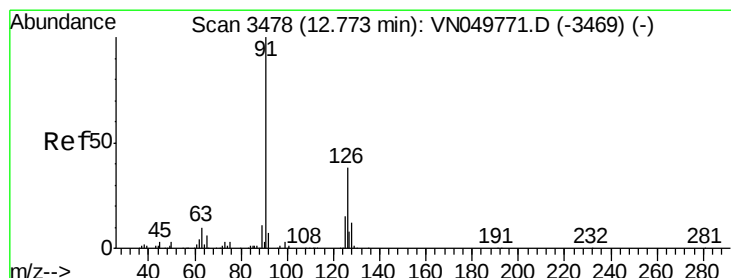
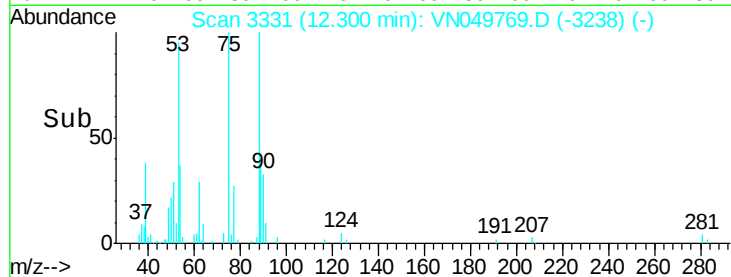
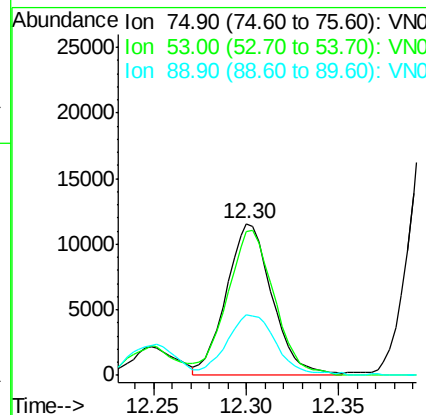
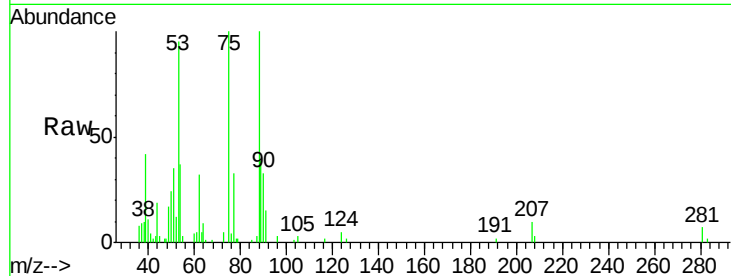
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	19868
Ion	Ratio	Lower	Upper
75	100		
53	97.8	73.9	110.9
89	39.7	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.97 ug/l

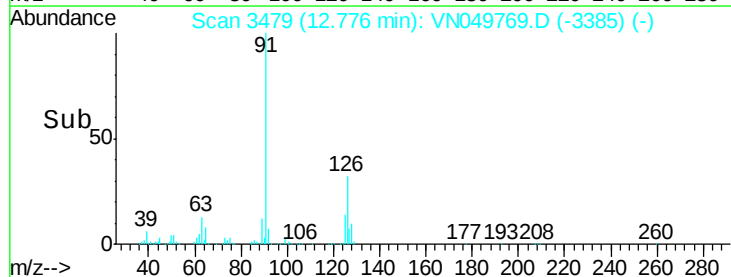
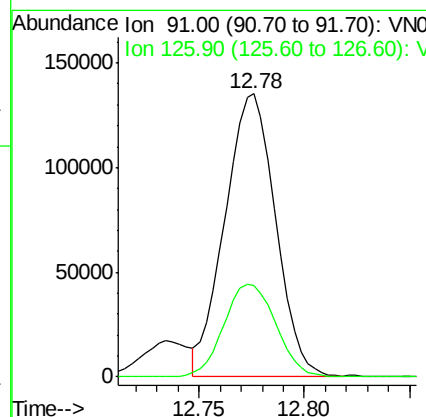
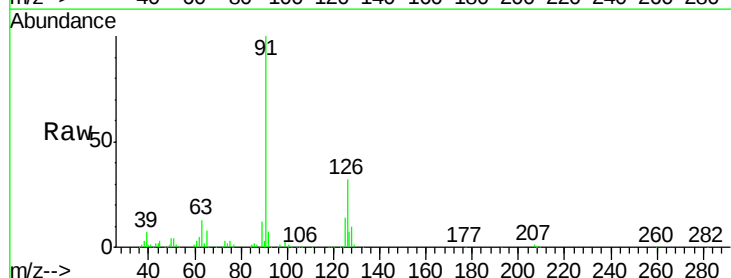
RT: 12.78 min Scan# 3479

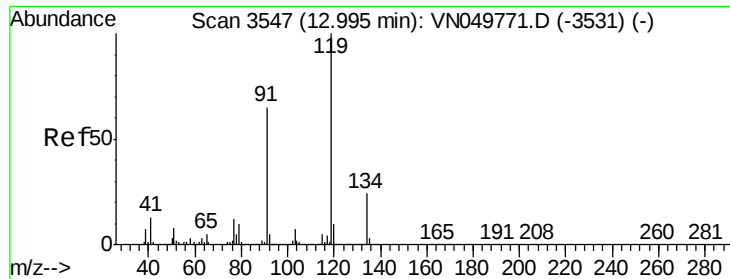
Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	91	Resp:	224133
Ion	Ratio	Lower	Upper
91	100		
126	33.8	17.2	51.6





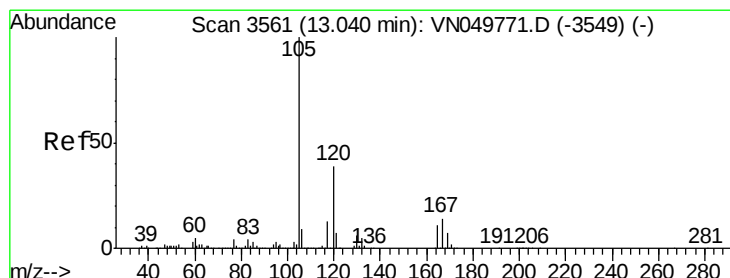
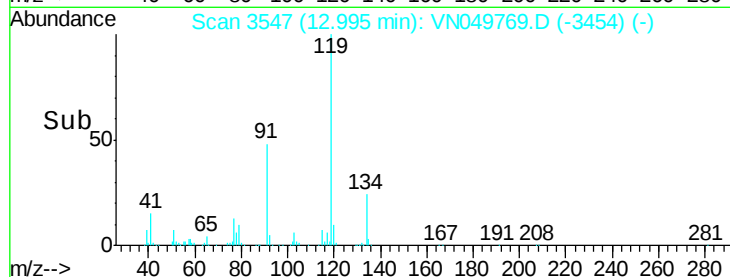
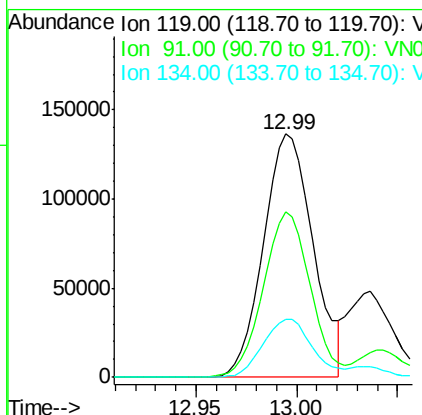
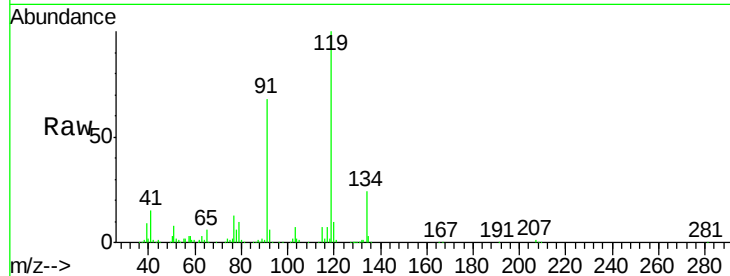
#83
 tert-Butylbenzene
 Concen: 5.29 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.0	96.2
134	23.7	12.8	38.4

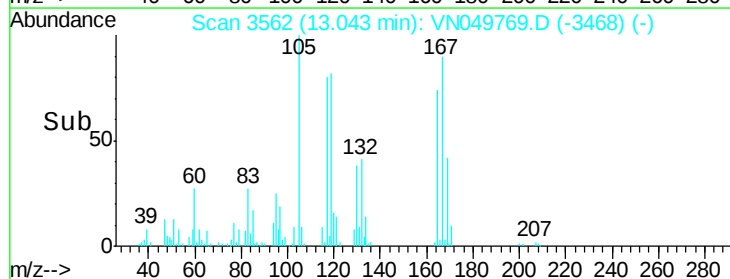
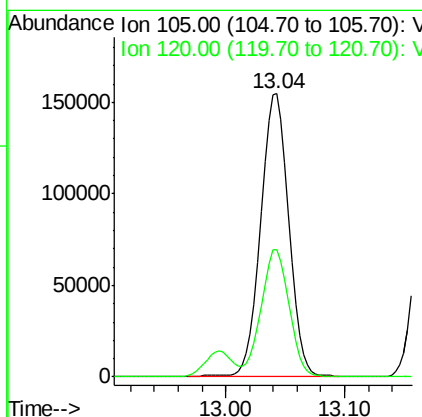
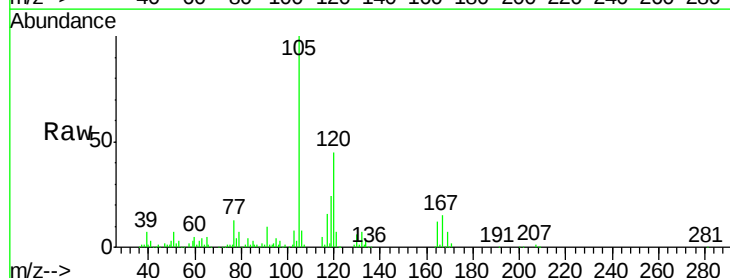
Manual Integrations
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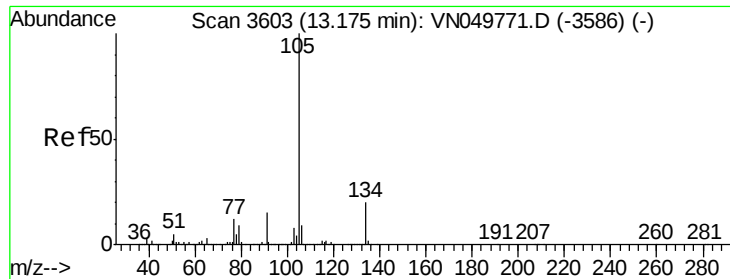
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.80 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.1





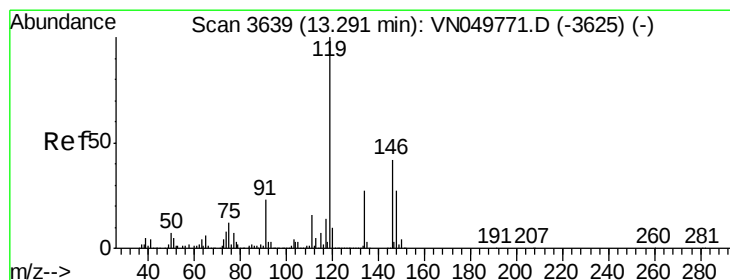
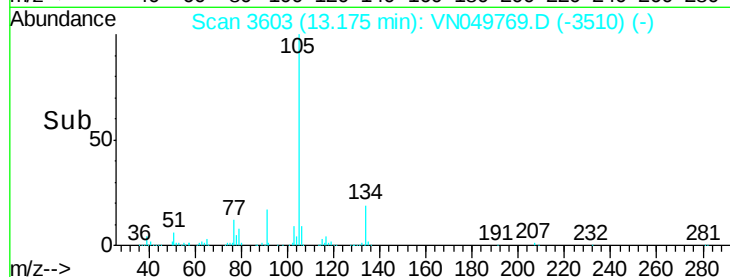
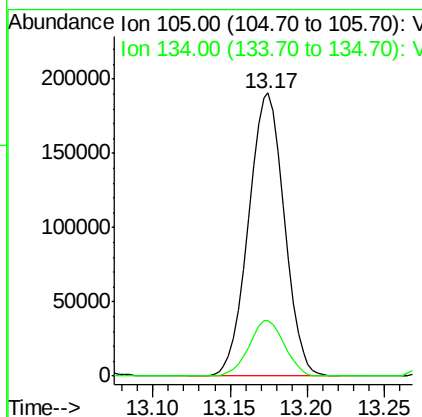
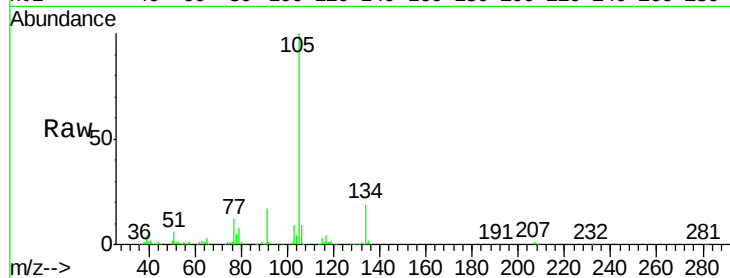
#85
 sec-Butylbenzene
 Concen: 5.24 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.1	30.1

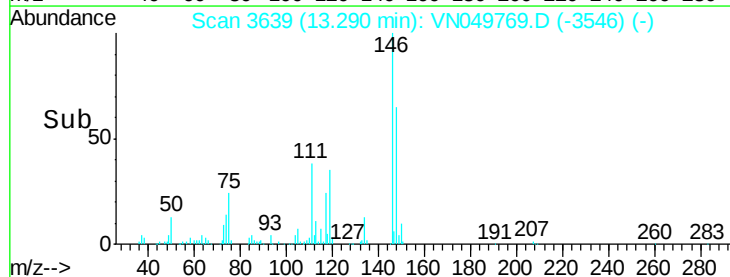
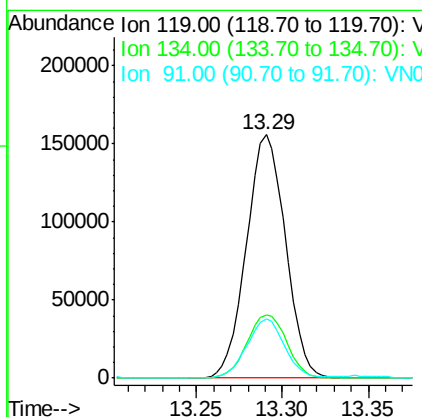
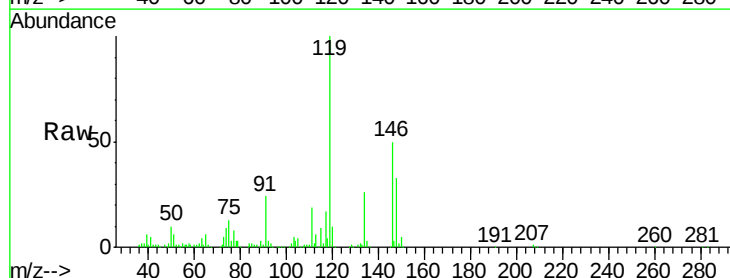
Manual Integrations
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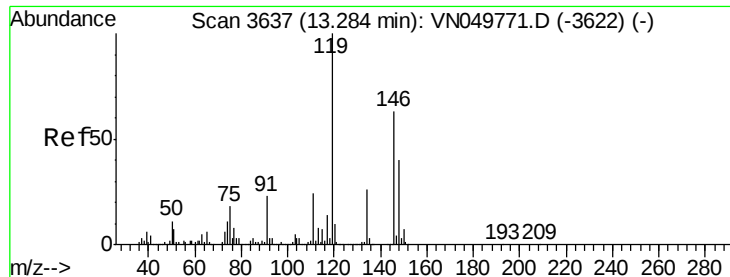
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 4.82 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.3	39.9
91	23.6	11.4	34.1





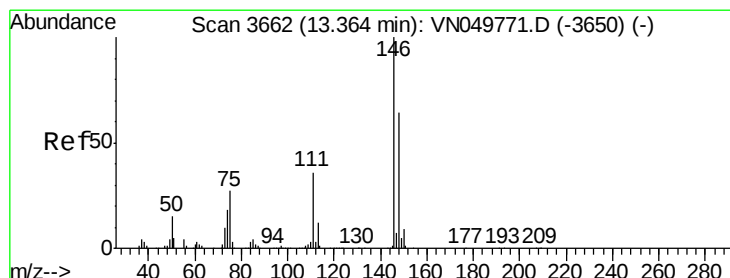
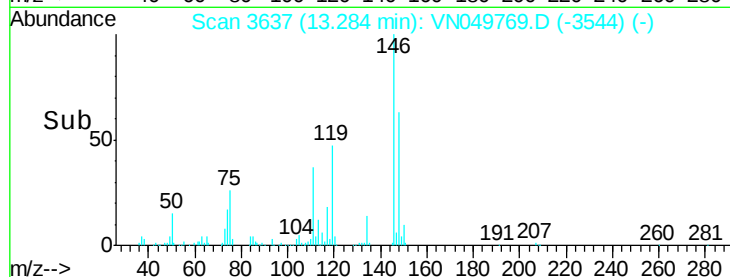
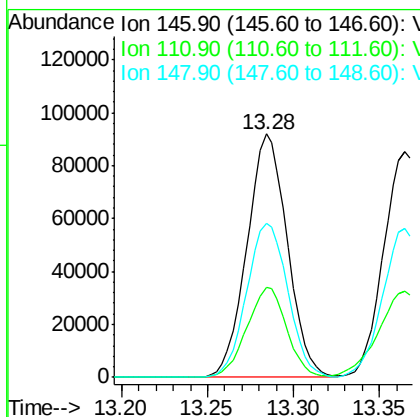
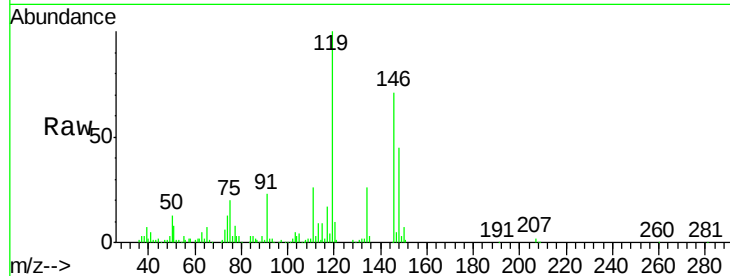
#87
 1,3-Dichlorobenzene
 Concen: 4.82 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.0	57.0
148	64.5	32.5	97.5

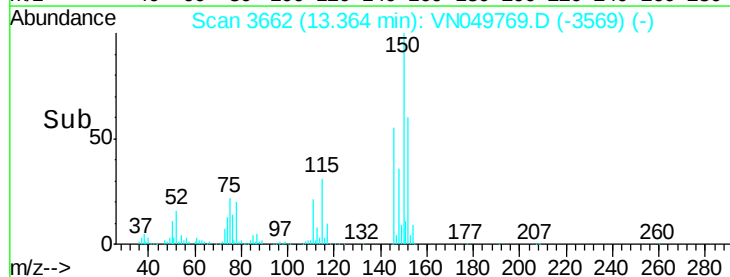
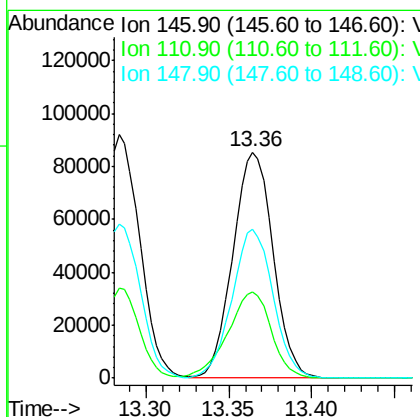
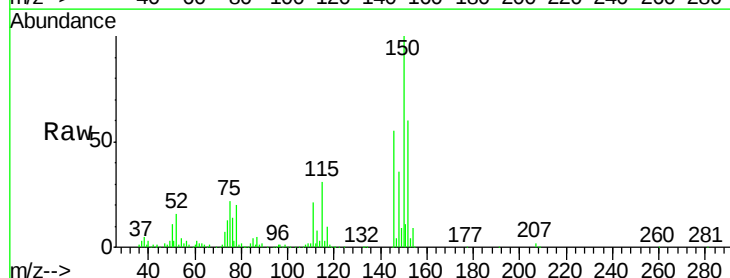
Manual Integrations
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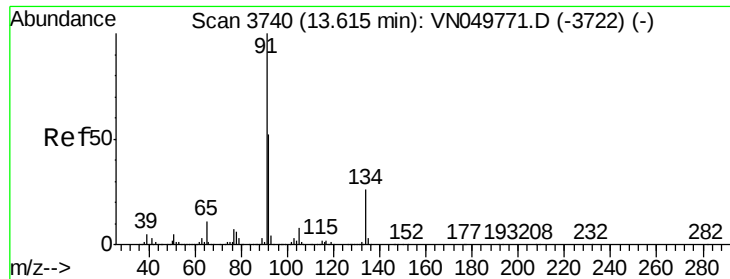
MMDadoda
 7/13/2018 1:35:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.64 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.9	56.5
148	67.4	32.1	96.3





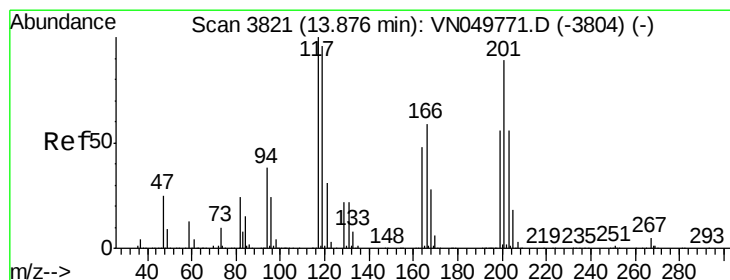
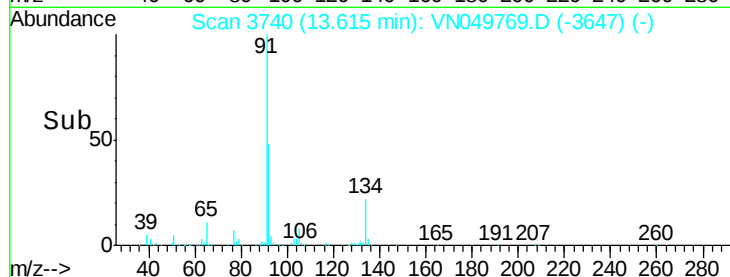
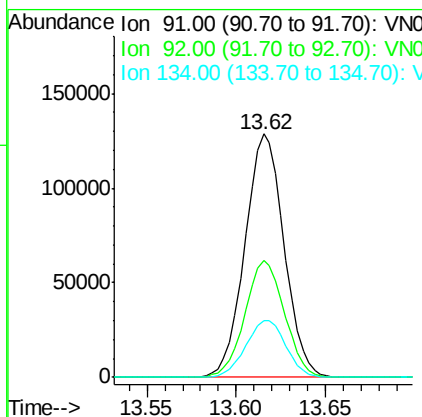
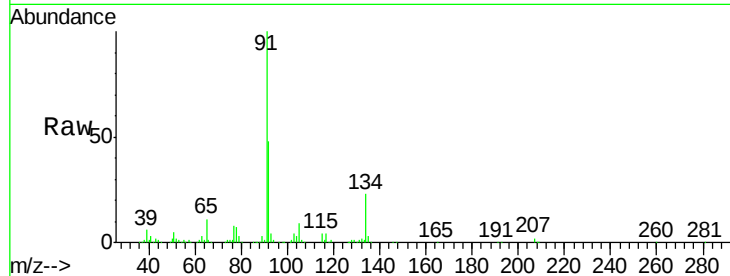
#89
n-Butylbenzene
Concen: 4.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	48.4	25.8	77.3
134	24.3	13.0	38.9

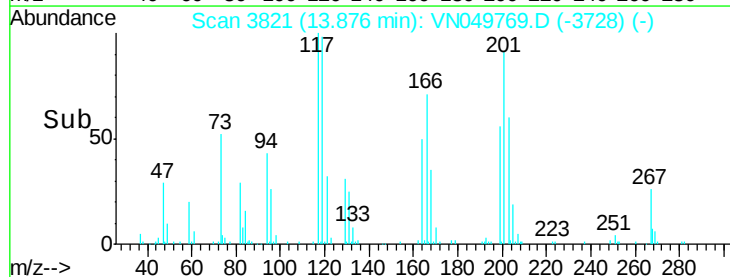
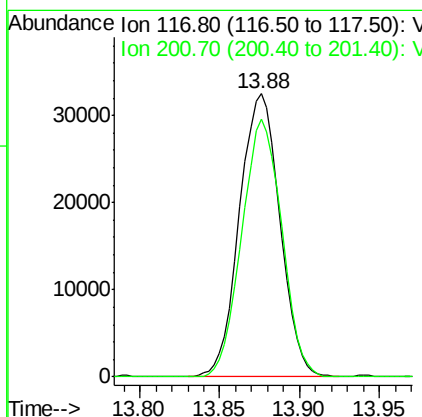
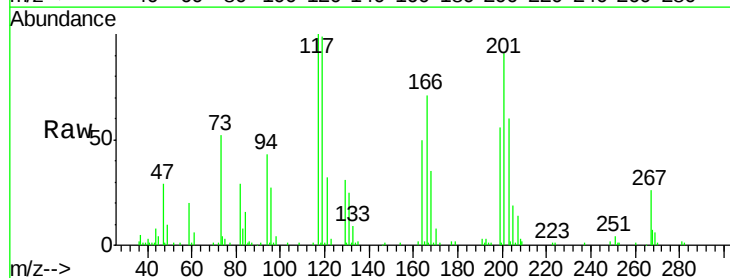
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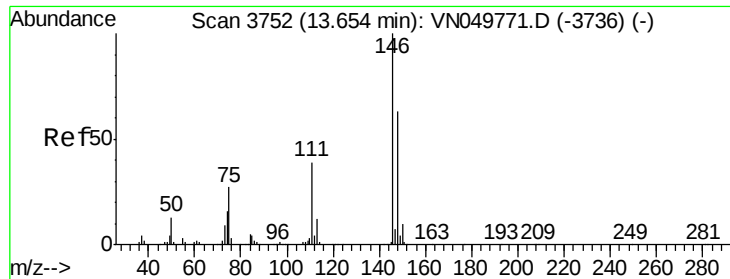
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#90
Hexachloroethane
Concen: 10.53 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049769.D
Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.2	45.3	135.8





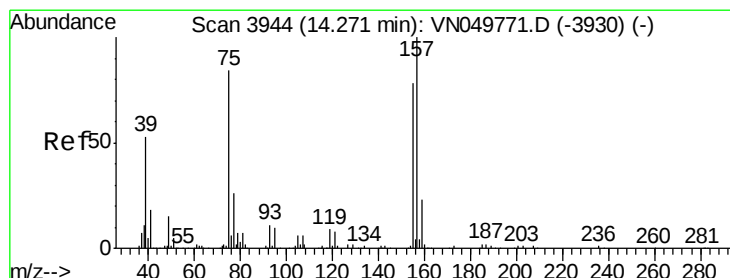
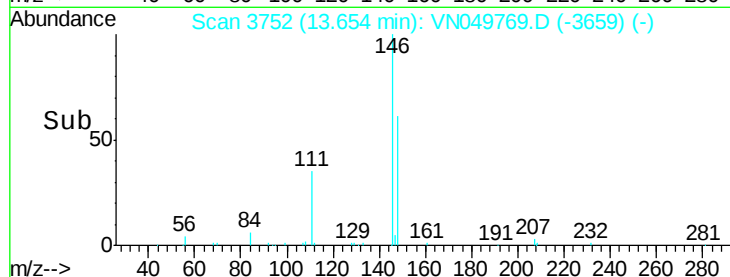
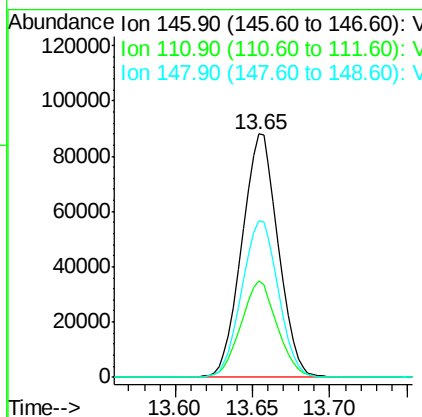
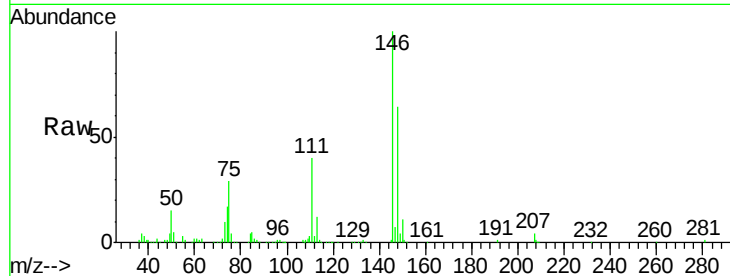
#91
 1,2-Dichlorobenzene
 Concen: 4.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	64.6	32.0	96.2

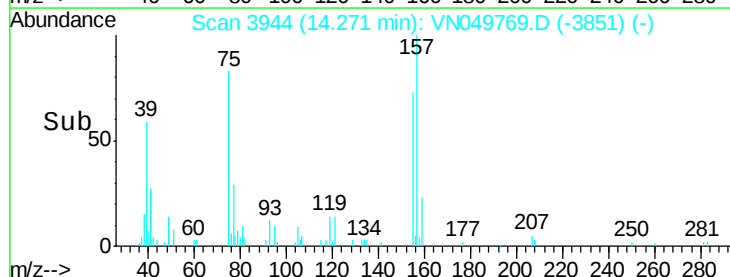
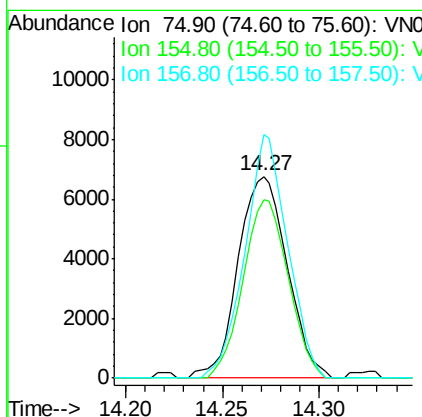
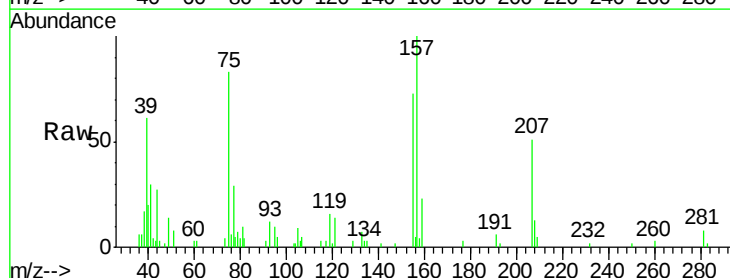
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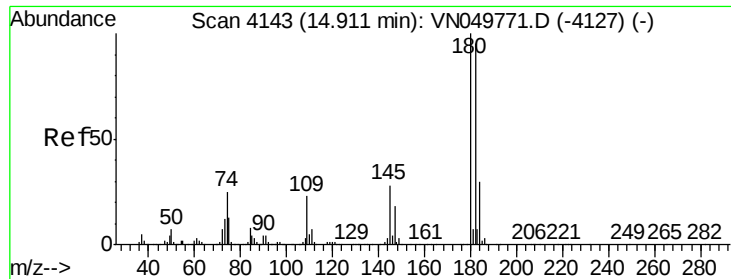
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.68 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	45.7	137.1
157	105.2	56.9	170.7





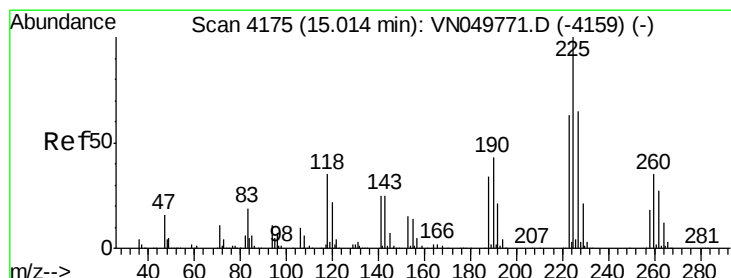
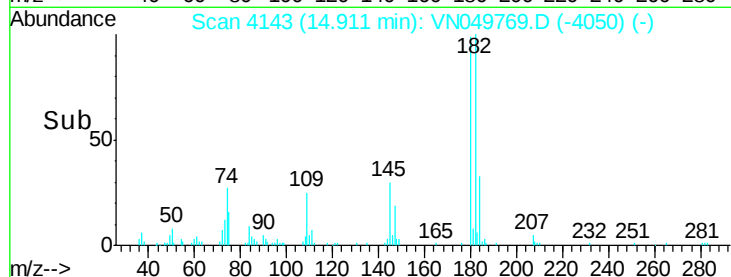
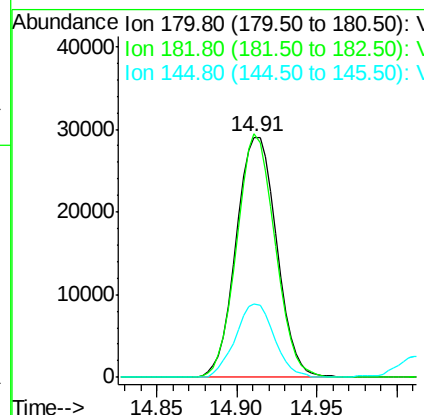
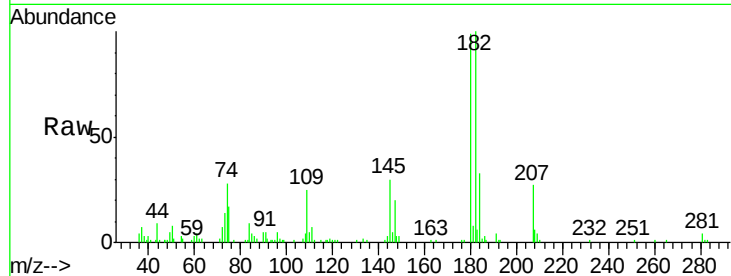
#93
 1,2,4-Trichlorobenzene
 Concen: 3.60 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.3	141.9	
145	29.2	14.4	43.0	

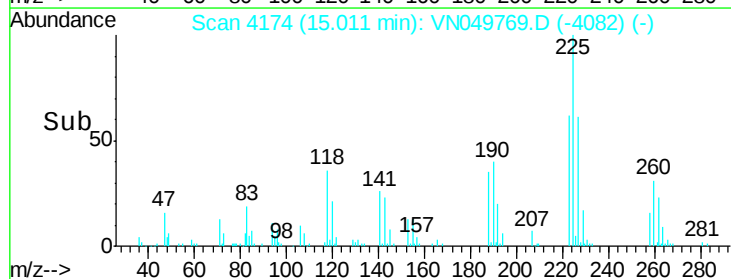
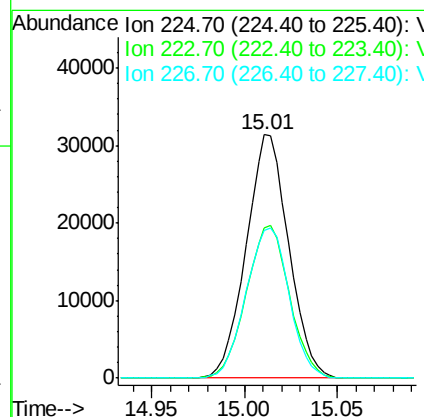
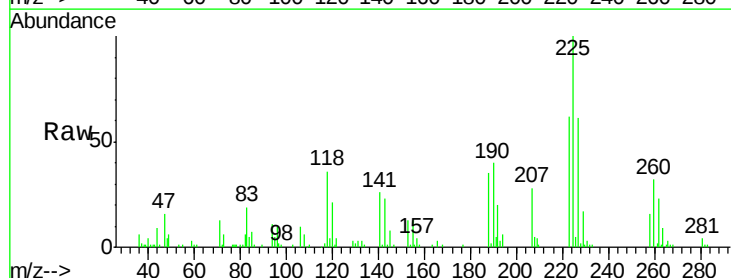
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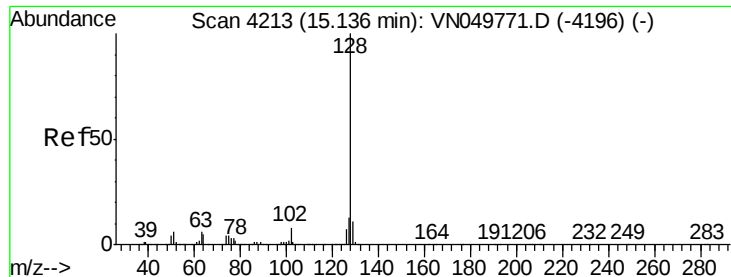
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#94
 Hexachlorobutadiene
 Concen: 5.21 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049769.D
 Acq: 12 Jul 2018 11:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	30.9	92.7	
227	62.5	31.8	95.4	





#95

Naphthalene

Concen: 3.09 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Instrument :

MSVOA_N

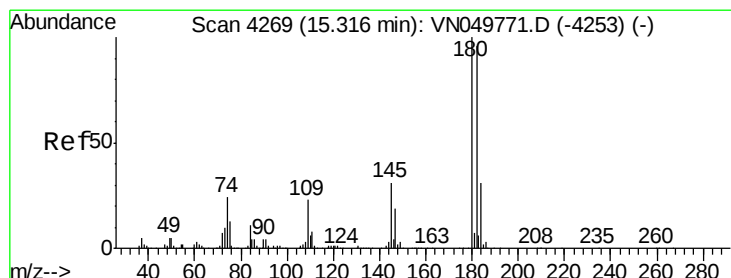
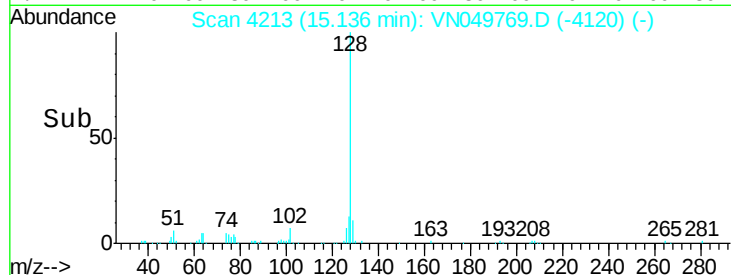
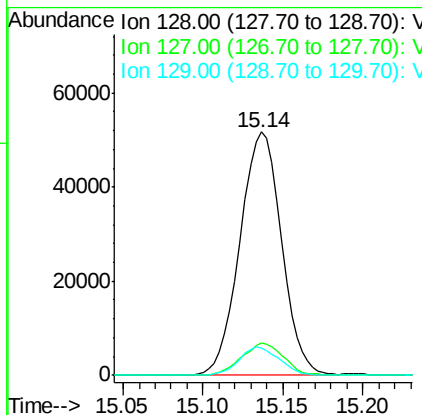
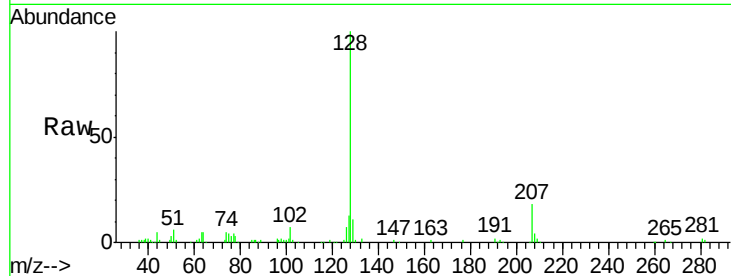
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	92119
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 3.77 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049769.D

Acq: 12 Jul 2018 11:05

Tgt Ion:	180	Resp:	53917
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.4	142.2
145	31.4	15.2	45.6

