

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049264.D
 Acq On : 15 Jun 2018 15:44
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:12 PM

Quant Time: Jun 15 16:16:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 15 15:46:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1621245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2327575	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2204258	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1179756	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	2029429	77.53	ug/l	0.00
Spiked Amount						
			Recovery	=	155.06%	
35) Dibromofluoromethane	7.59	113	1850596	96.06	ug/l	0.00
Spiked Amount						
			Recovery	=	192.12%	
50) Toluene-d8	10.09	98	7264435	96.93	ug/l	0.00
Spiked Amount						
			Recovery	=	193.86%	
62) 4-Bromofluorobenzene	12.40	95	2547922	102.44	ug/l	0.00
Spiked Amount						
			Recovery	=	204.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	1660890	71.12	ug/l	100
3) Chloromethane	2.06	50	2098975	87.97	ug/l	98
4) Vinyl Chloride	2.18	62	2268094	92.70	ug/l	100
5) Bromomethane	2.55	94	1253176	84.95	ug/l	96
6) Chloroethane	2.70	64	1389510	84.10	ug/l	99
7) Trichlorofluoromethane	3.01	101	2865744	83.19	ug/l	99
8) Diethyl Ether	3.41	74	1060917	82.93	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1834043	82.24	ug/l	93
10) Methyl Iodide	3.95	142	2317645	106.88	ug/l	92
11) Tert butyl alcohol	4.80	59	595990	417.67	ug/l	98
12) 1,1-Dichloroethene	3.73	96	1695206	83.72	ug/l	91
13) Acrolein	3.61	56	682962	351.53	ug/l	100
14) Allyl chloride	4.32	41	2903333	76.35	ug/l	87
15) Acrylonitrile	4.99	53	3102598	403.97	ug/l	98
16) Acetone	3.82	43	2264378	362.00	ug/l	91
17) Carbon Disulfide	4.05	76	5186032	75.07	ug/l	100
18) Methyl Acetate	4.33	43	1436533	54.61	ug/l	93
19) Methyl tert-butyl Ether	5.05	73	4792733	86.87	ug/l	99
20) Methylene Chloride	4.55	84	1958014	77.08	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	1833887	81.69	ug/l	93
22) Diisopropyl ether	5.96	45	5887800	77.57	ug/l	93
23) Vinyl Acetate	5.90	43	20083246	400.28	ug/l	96
24) 1,1-Dichloroethane	5.85	63	3465498	76.61	ug/l	99
25) 2-Butanone	6.84	43	3415406	381.32	ug/l	95
26) 2,2-Dichloropropane	6.82	77	2859684	84.31	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	2122977	86.84	ug/l	92
28) Bromochloromethane	7.19	49	1602579	74.65	ug/l	85
29) Tetrahydrofuran	7.21	42	2234596	387.80	ug/l	94
30) Chloroform	7.37	83	3455770	79.51	ug/l	100
31) Cyclohexane	7.65	56	3176377	70.29	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	3000915	80.16	ug/l	96
36) 1,1-Dichloropropene	7.79	75	2731325	93.92	ug/l	98
37) Ethyl Acetate	6.93	43	1534845	83.61	ug/l	96
38) Carbon Tetrachloride	7.77	117	2701136	92.20	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3013768	100.32	ug/l	95
40) Benzene	8.04	78	8095590	91.88	ug/l	99
41) Methacrylonitrile	7.17	41	880734	84.80	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	2460544	84.62	ug/l	96
43) Isopropyl Acetate	8.17	43	2860051	84.73	ug/l	94
44) Trichloroethene	8.84	130	2139043	97.23	ug/l	94
45) 1,2-Dichloropropane	9.12	63	2112311	87.16	ug/l	100
46) Dibromomethane	9.21	93	1224958	91.49	ug/l	91
47) Bromodichloromethane	9.40	83	2720250	90.21	ug/l	97
48) Methyl methacrylate	9.20	41	1400268	84.90	ug/l	85
49) 1,4-Dioxane	9.20	88	377895	1940.24	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	7673503	426.88	ug/l	93
52) Toluene	10.16	92	5055338	98.62	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	2855314	99.59	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	3276850	98.63	ug/l #	88
55) 1,1,2-Trichloroethane	10.56	97	1749164	92.98	ug/l	98
56) Ethyl methacrylate	10.43	69	2358659	104.00	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	3033078	94.02	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	3901224	530.92	ug/l	95
59) 2-Hexanone	10.75	43	5057779	451.55	ug/l	91
60) Dibromochloromethane	10.90	129	2082816	99.83	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1721000	98.91	ug/l	100
64) Tetrachloroethene	10.63	164	2064589	93.48	ug/l	97
65) Chlorobenzene	11.44	112	5495832	96.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	2035593	94.11	ug/l	99
67) Ethyl Benzene	11.51	91	9803819	99.94	ug/l	98
68) m/p-Xylenes	11.62	106	7458109	207.90	ug/l	96
69) o-Xylene	11.95	106	3608923	104.46	ug/l	96
70) Styrene	11.97	104	5987288	109.47	ug/l	97
71) Bromoform	12.13	173	1417785	104.88	ug/l #	99
73) Isopropylbenzene	12.25	105	9596946	84.69	ug/l	98
74) N-amyl acetate	12.07	43	2545314	78.85	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	2112012	73.03	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1882649m	81.79	ug/l	
77) Bromobenzene	12.53	156	2402502	86.39	ug/l	91
78) n-propylbenzene	12.59	91	11126718	88.39	ug/l	98
79) 2-Chlorotoluene	12.68	91	6579817	82.88	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7930444	91.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	627630	88.88	ug/l	87
82) 4-Chlorotoluene	12.78	91	6704558	89.03	ug/l	97
83) tert-Butylbenzene	12.99	119	6763306	90.36	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	8079015	93.55	ug/l	98
85) sec-Butylbenzene	13.17	105	9114360	91.34	ug/l	99
86) p-Isopropyltoluene	13.29	119	8045382	99.56	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4343216	97.97	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	4216380	96.57	ug/l	99
89) n-Butylbenzene	13.62	91	6721630	107.74	ug/l	97
90) Hexachloroethane	13.88	117	1517594	79.67	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	4134128	94.80	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	330482	83.85	ug/l	85

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ClientSampleId :
VSTDICC100

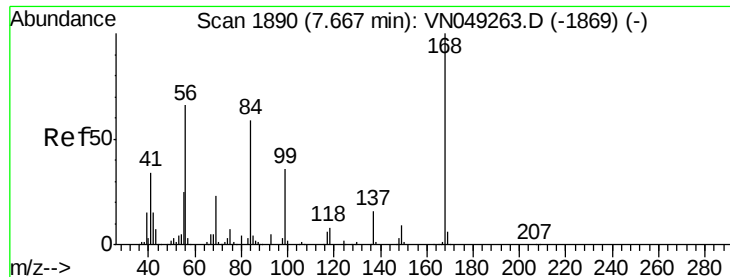
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2126099	132.90	ug/l	98
94) Hexachlorobutadiene	15.01	225	1279900	97.05	ug/l	99
95) Naphthalene	15.14	128	4328823	124.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	2061055	119.68	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1621245

Ion Ratio Lower Upper

168 100

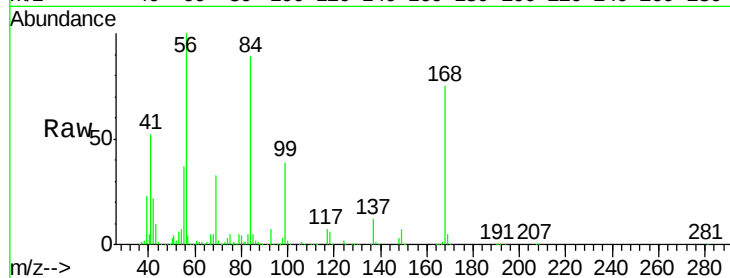
99 51.7 45.8 68.6

Manual Integrations

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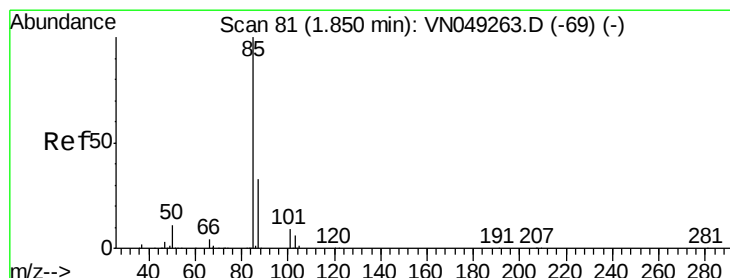
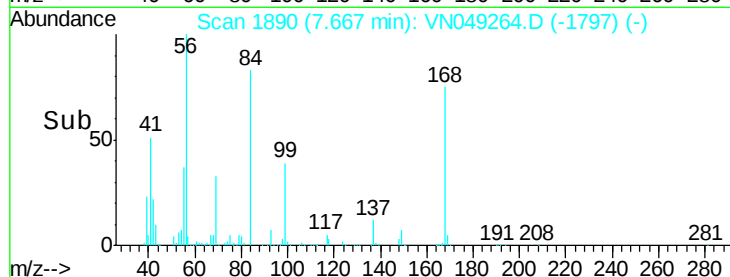
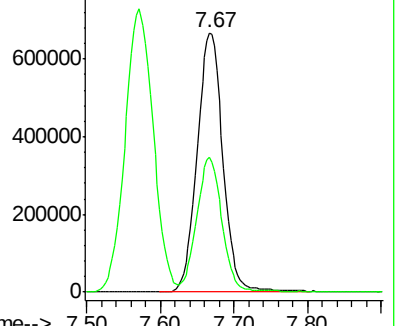
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 71.12 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049264.D

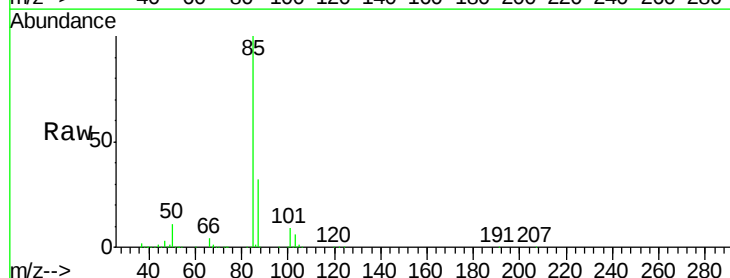
Acq: 15 Jun 2018 15:44

Tgt Ion: 85 Resp: 1660890

Ion Ratio Lower Upper

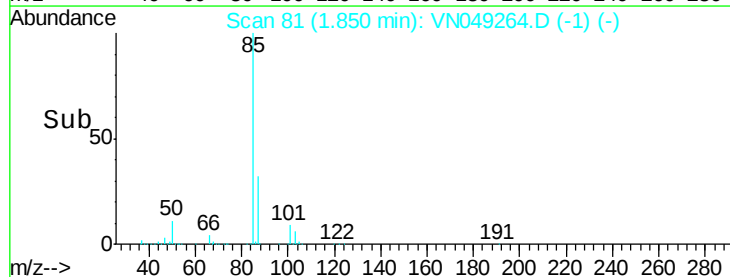
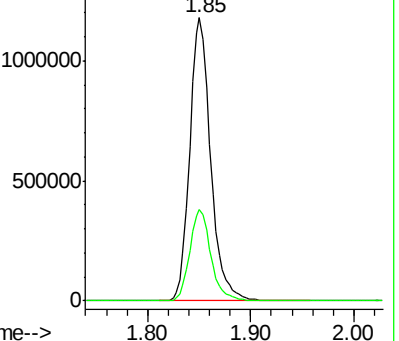
85 100

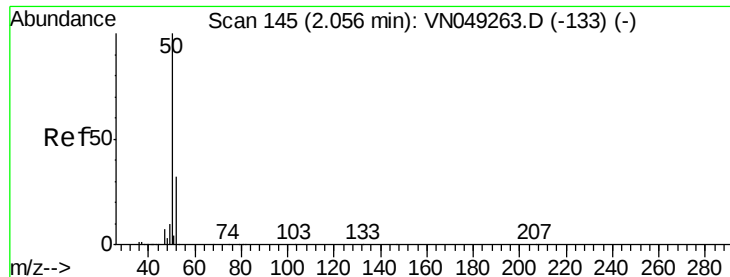
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 87.97 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 2098975

Ion Ratio Lower Upper

50 100

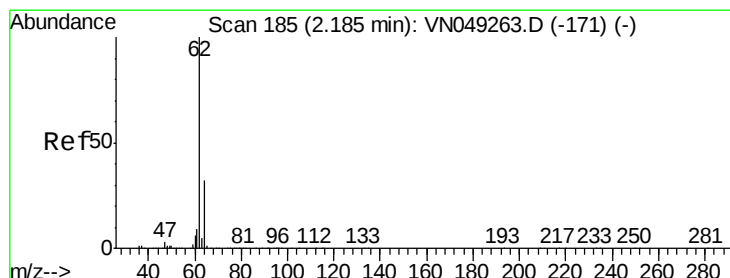
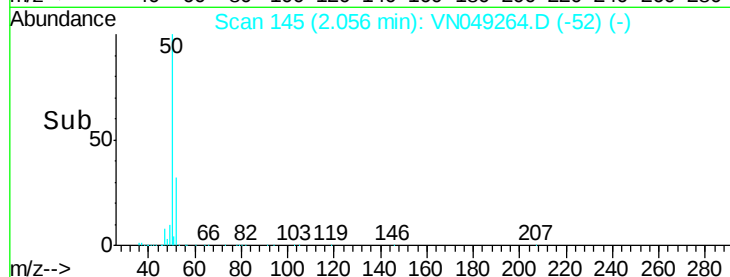
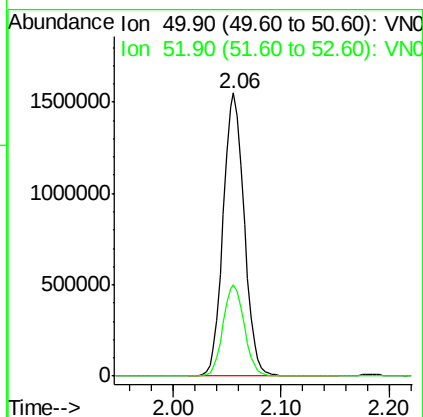
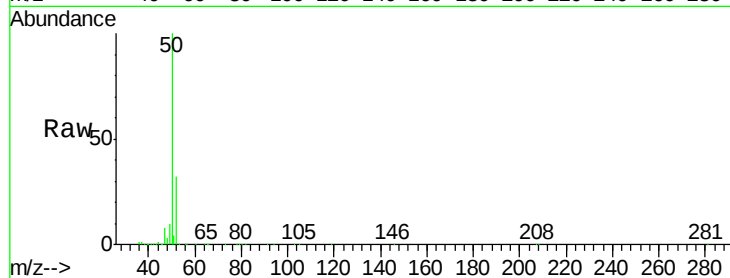
52 32.4 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 92.70 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049264.D

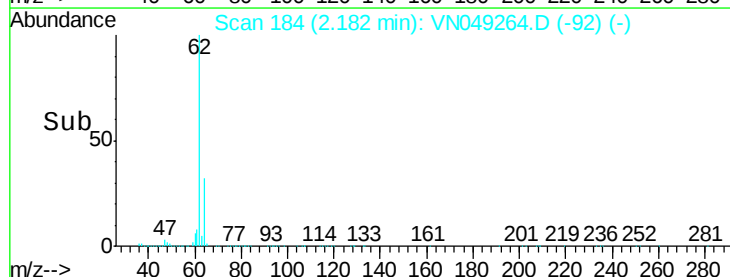
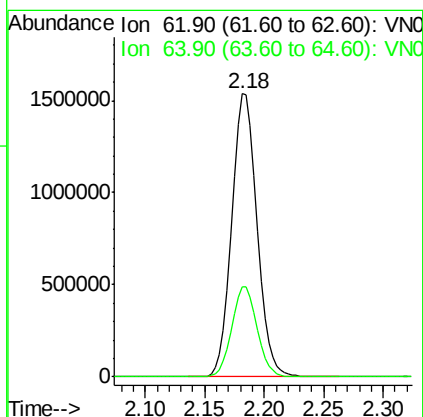
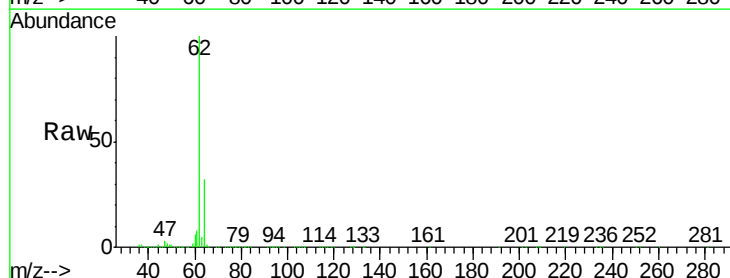
Acq: 15 Jun 2018 15:44

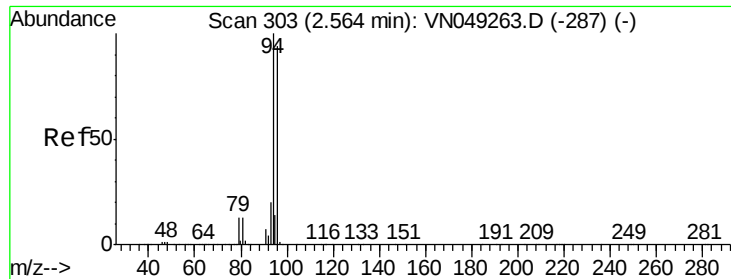
Tgt Ion: 62 Resp: 2268094

Ion Ratio Lower Upper

62 100

64 32.0 25.7 38.5





#5

Bromomethane

Concen: 84.95 ug/l

RT: 2.55 min Scan# 300

Delta R.T. -0.01 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tot Ion: 94 Resp: 1253176

Ion Ratio Lower Upper

94 100

96 95.1 72.8 109.2

Instrument :

MSVOA_N

ClientSampleId :

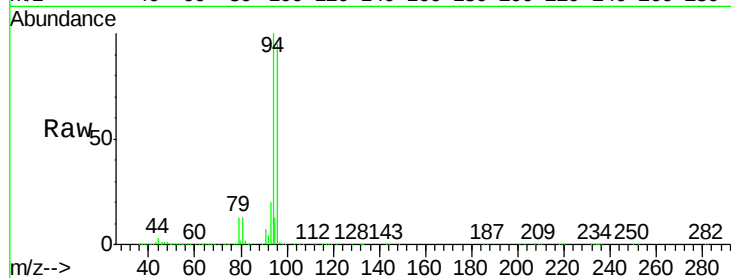
VSTDIC100

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

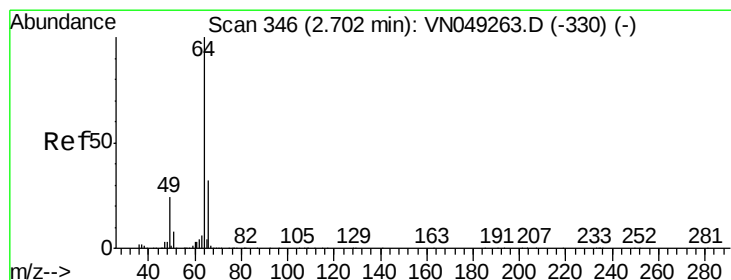
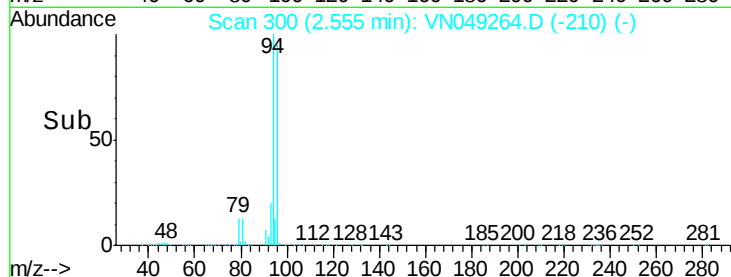
600000

400000

200000

0

Time-->



#6

Chloroethane

Concen: 84.10 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049264.D

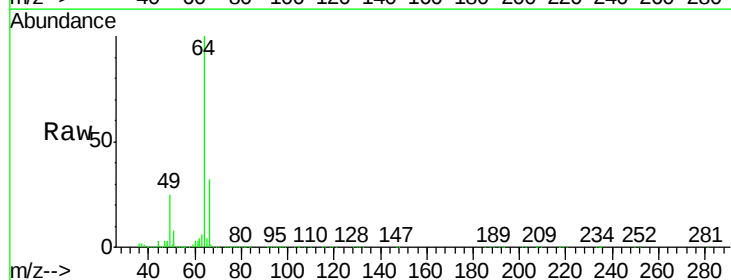
Acq: 15 Jun 2018 15:44

Tgt Ion: 64 Resp: 1389510

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

800000

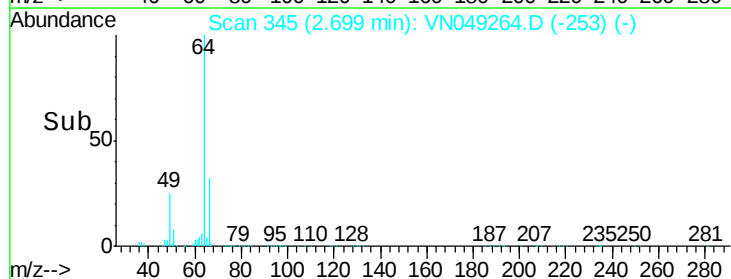
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Time-->





#7

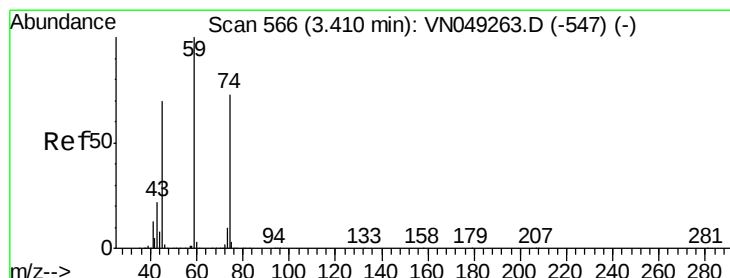
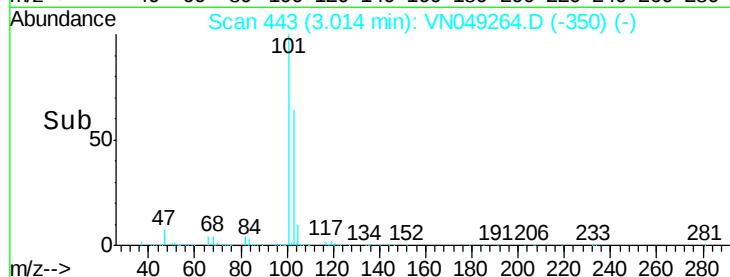
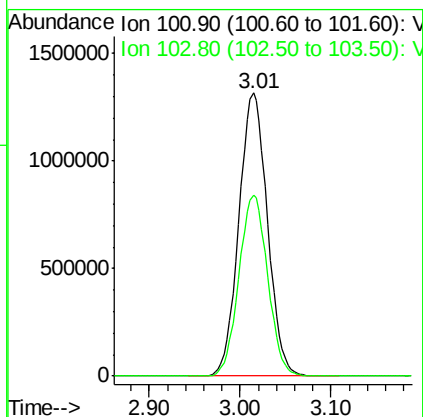
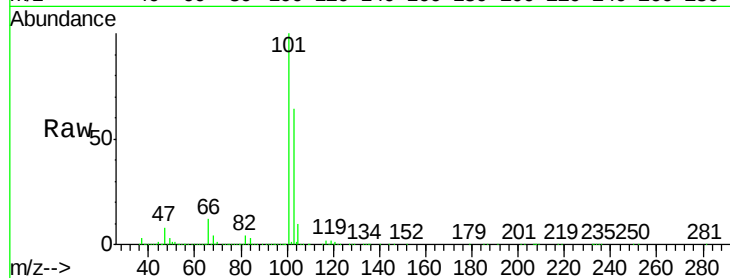
Trichlorofluoromethane
Concen: 83.19 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

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VSTDIC100

Tot Ion:101 Resp: 2865744
Ion Ratio Lower Upper
101 100
103 64.1 51.7 77.5

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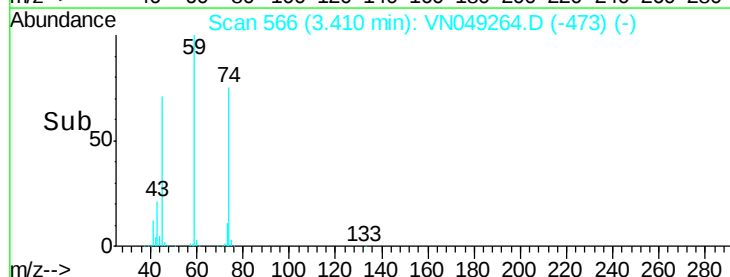
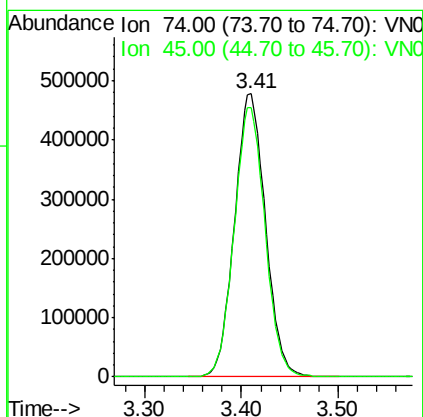
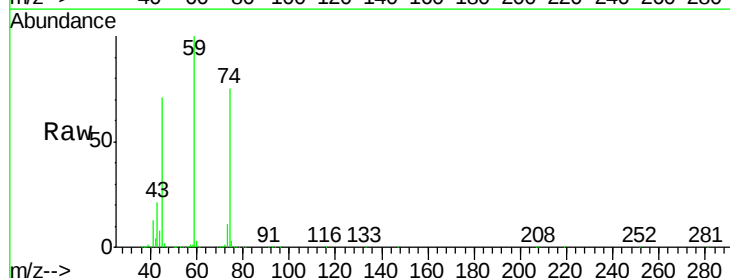
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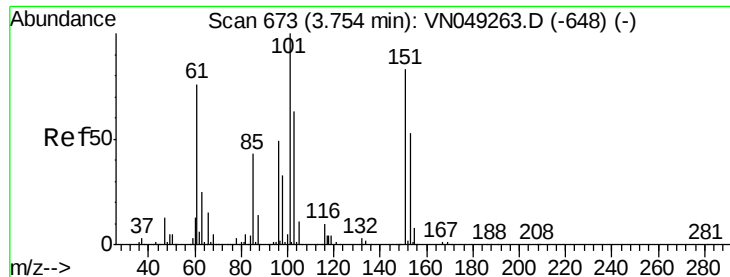


#8

Diethyl Ether
Concen: 82.93 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 74 Resp: 1060917
Ion Ratio Lower Upper
74 100
45 94.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 82.24 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:101 Resp: 1834043

Ion Ratio Lower Upper

101 100

85 42.3 37.6 56.4

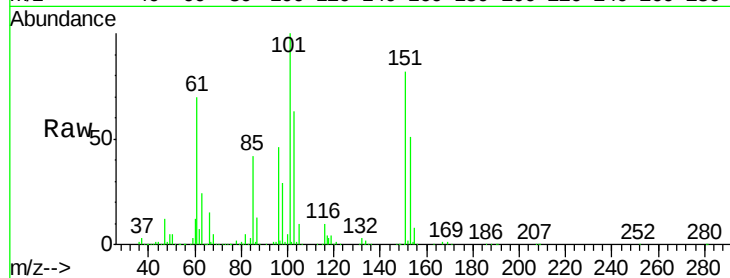
151 81.9 61.1 91.7

Manual Integrations

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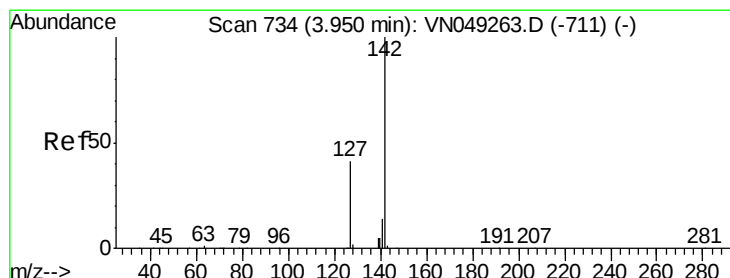
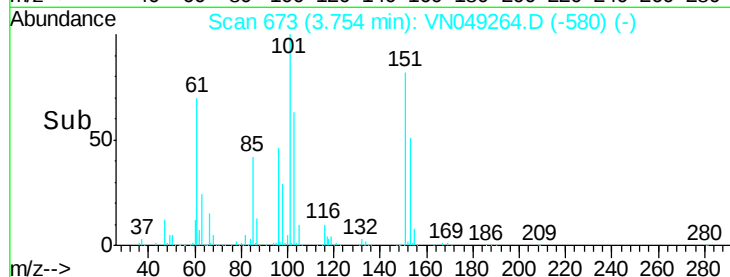
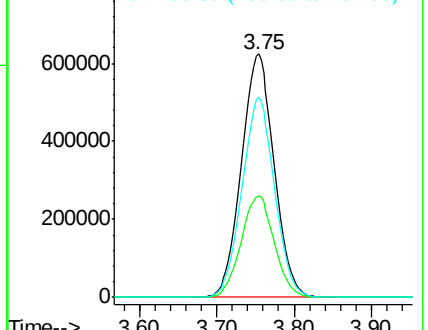
6/18/2018 3:16:12 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 106.88 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

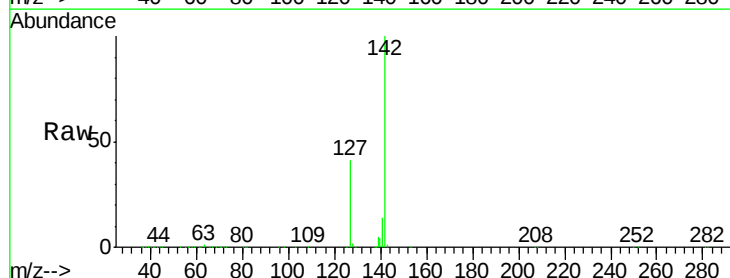
Tgt Ion:142 Resp: 2317645

Ion Ratio Lower Upper

142 100

127 41.2 38.2 57.4

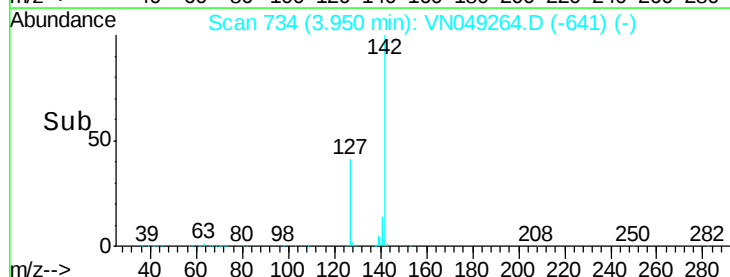
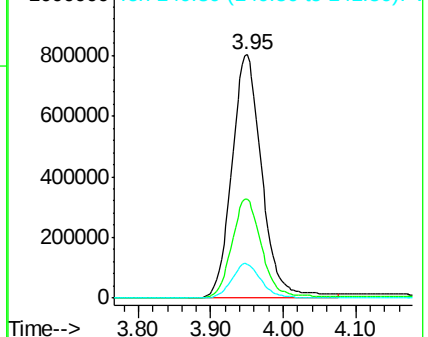
141 13.8 11.9 17.9

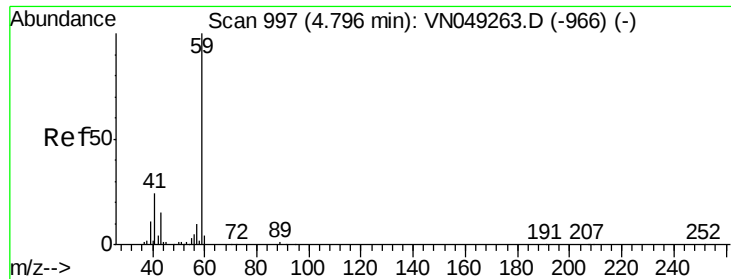


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

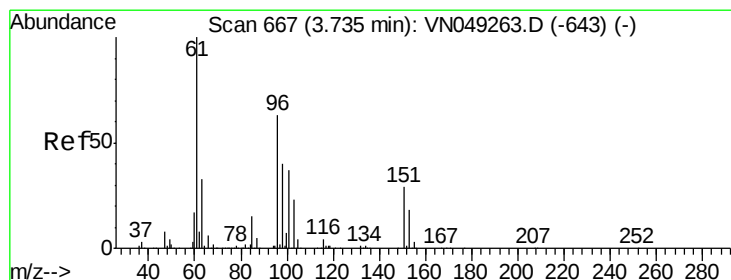
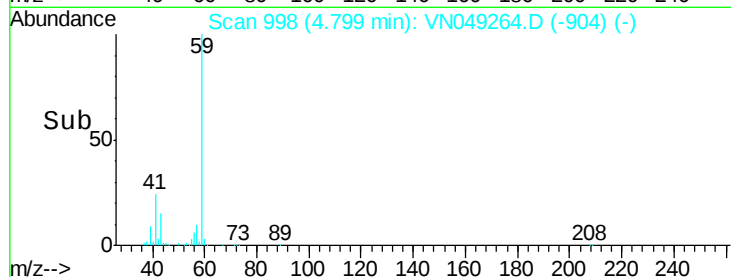
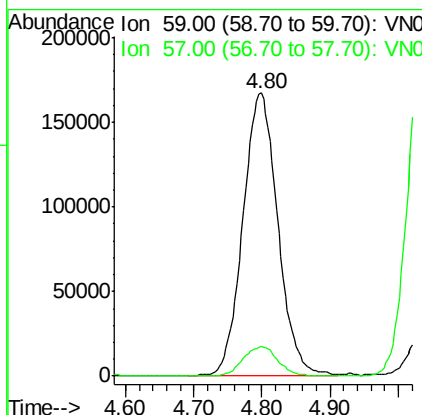
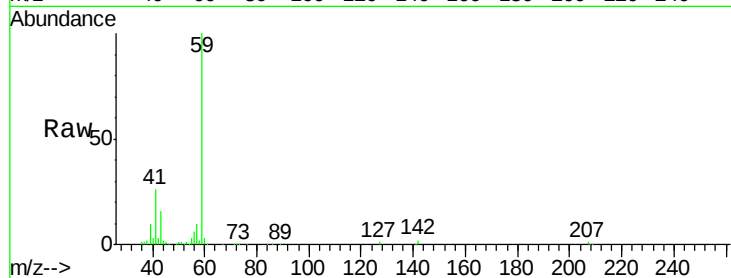
Tert butyl alcohol
Concen: 417.67 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.0	13.6

Manual Integrations
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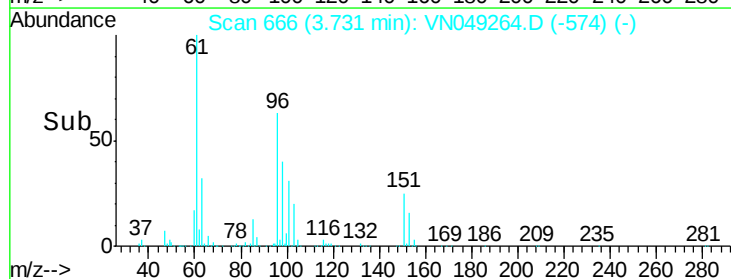
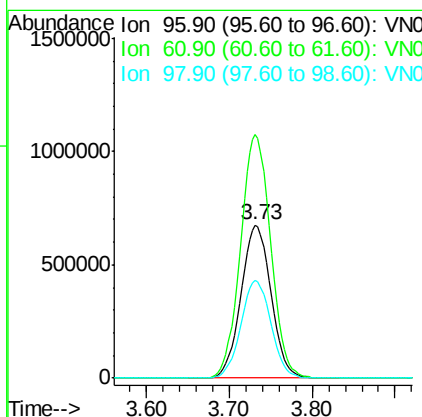
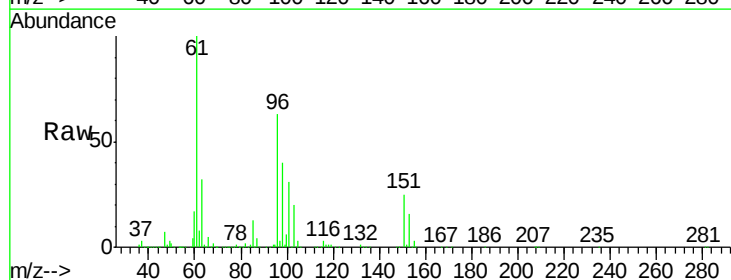
MMDadoda
6/18/2018 3:16:12 PM

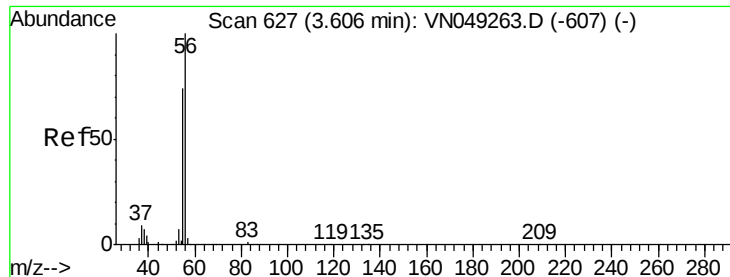


#12

1,1-Dichloroethene
Concen: 83.72 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.1	141.0	211.4
98	63.6	50.4	75.6





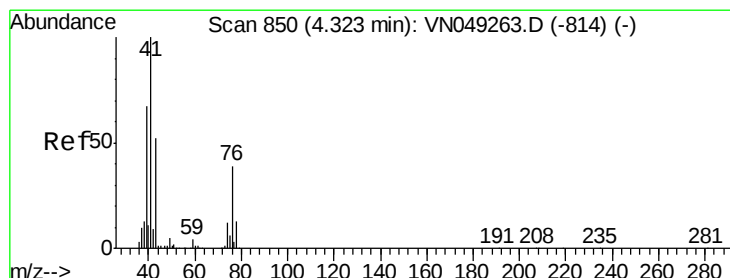
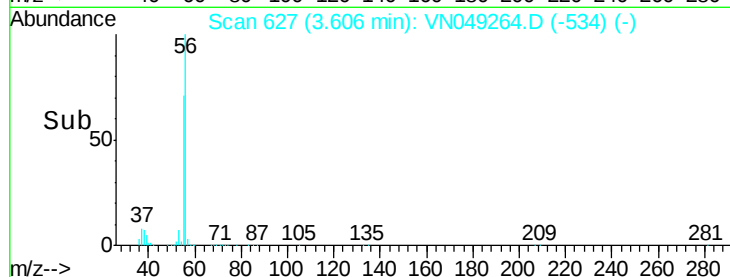
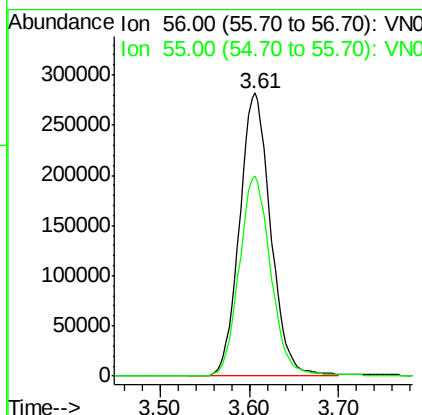
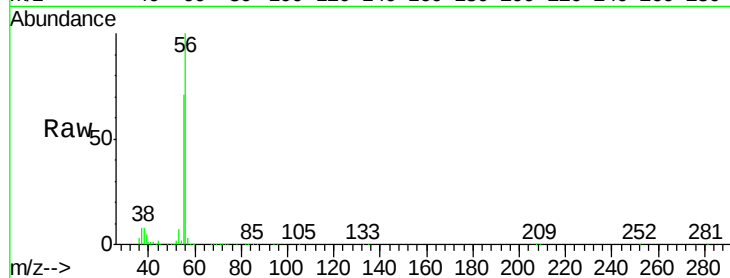
#13
Acrolein
Concen: 351.53 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.0	57.1	85.7

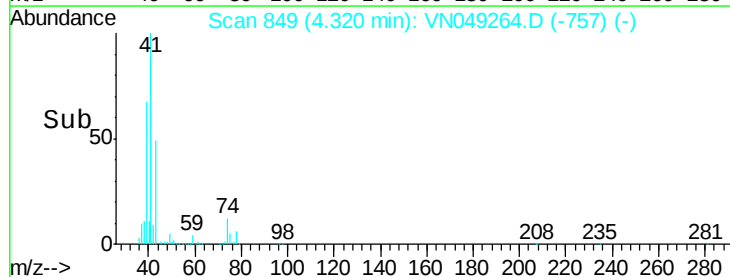
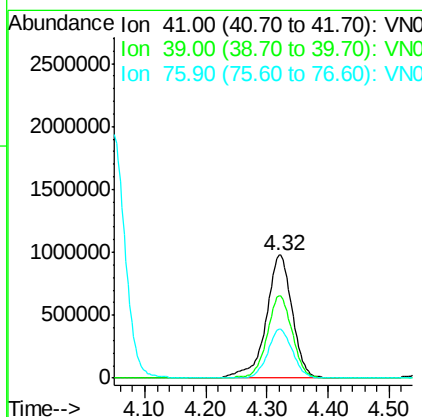
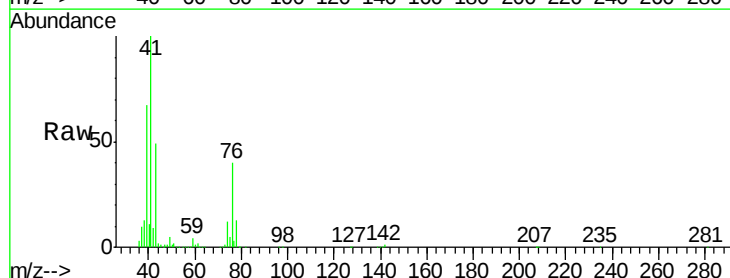
Manual Integrations
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#14
Allyl chloride
Concen: 76.35 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.5	62.5	93.7
76	37.1	27.1	40.7





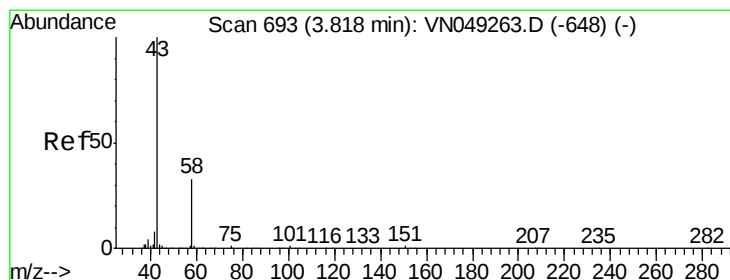
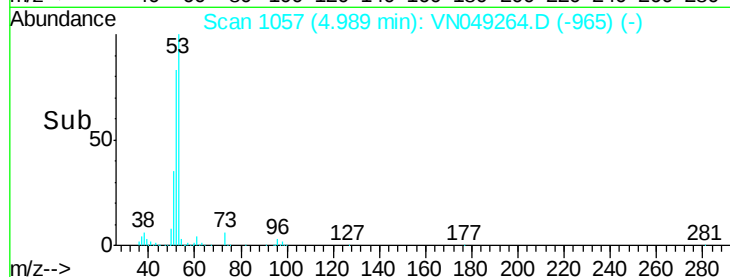
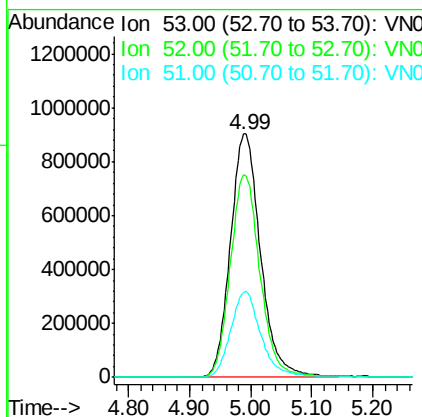
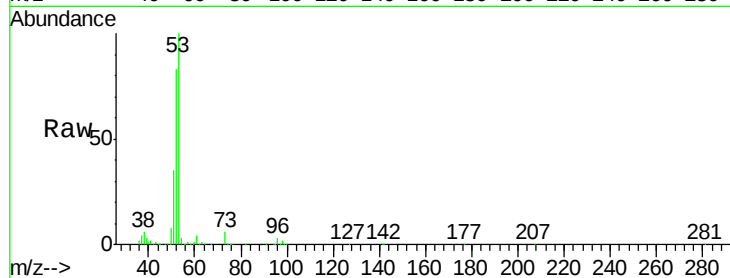
#15
 Acrylonitrile
 Concen: 403.97 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	53	Resp	3102598
Ion Ratio	Lower	Upper	
53	100		
52	82.3	66.6	100.0
51	35.5	29.8	44.8

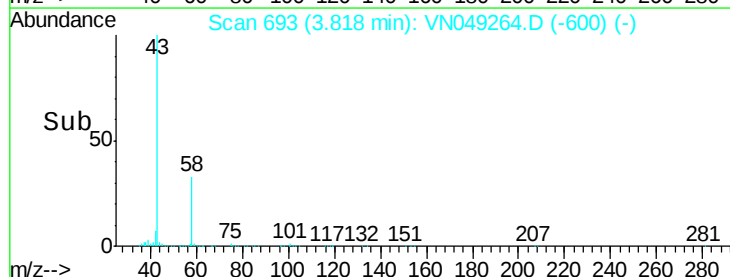
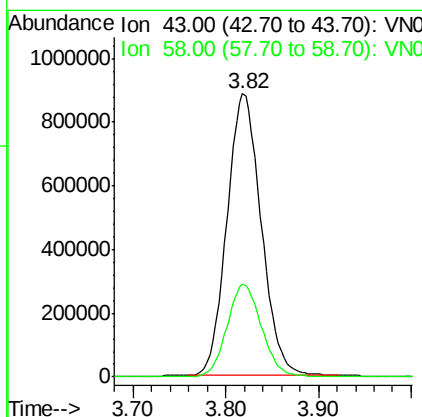
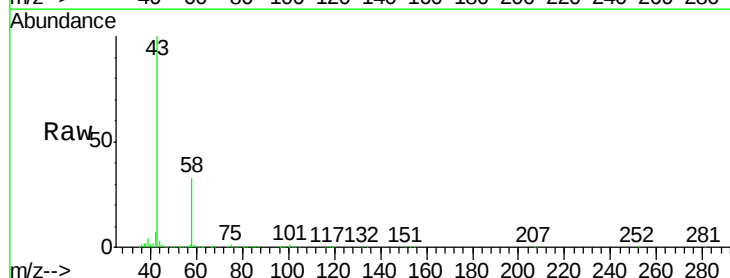
Manual Integrations
 APPROVED

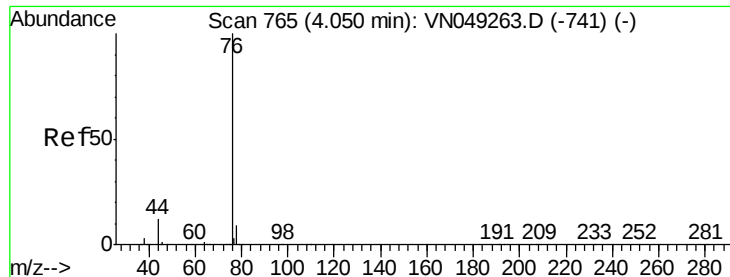
MMDadoda
 6/18/2018 3:16:12 PM



#16
 Acetone
 Concen: 362.00 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion	43	Resp	2264378
Ion Ratio	Lower	Upper	
43	100		
58	32.6	22.4	33.6





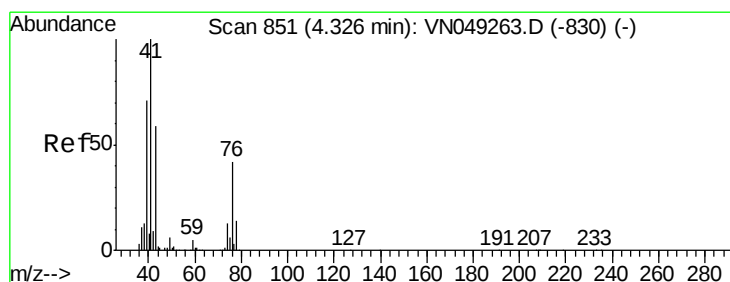
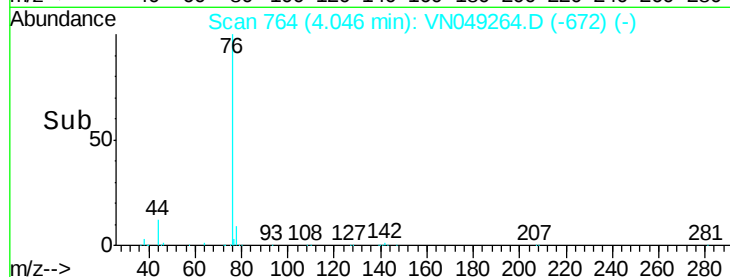
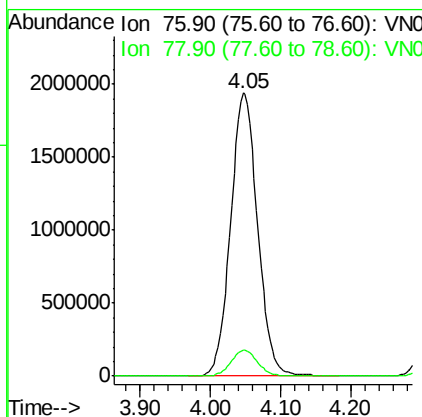
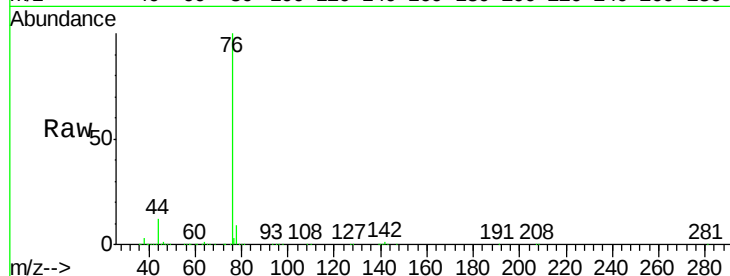
#17
Carbon Disulfide
Concen: 75.07 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 5186032
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

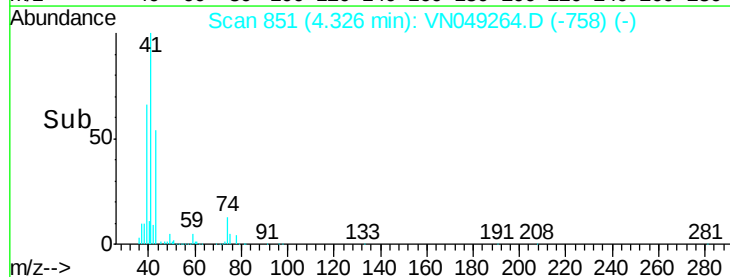
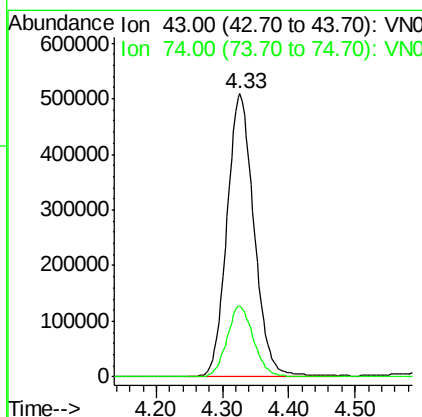
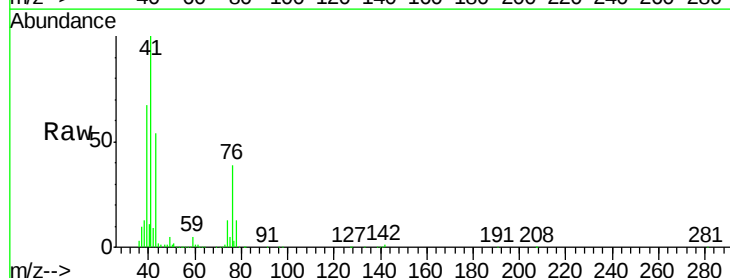
Manual Integrations
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#18
Methyl Acetate
Concen: 54.61 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 43 Resp: 1436533
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0





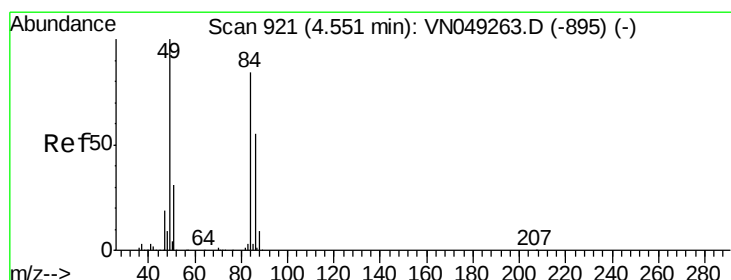
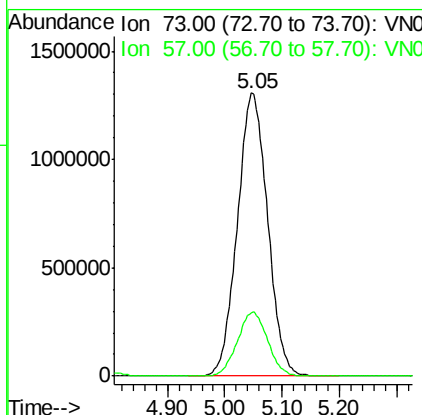
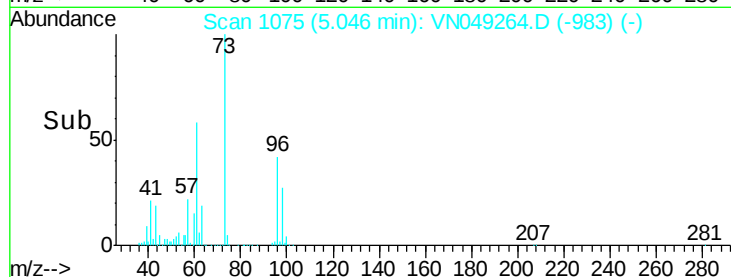
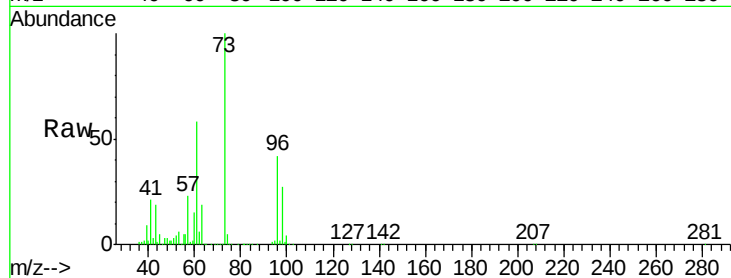
#19
Methvl tert-butvl Ether
Concen: 86.87 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 4792733
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4

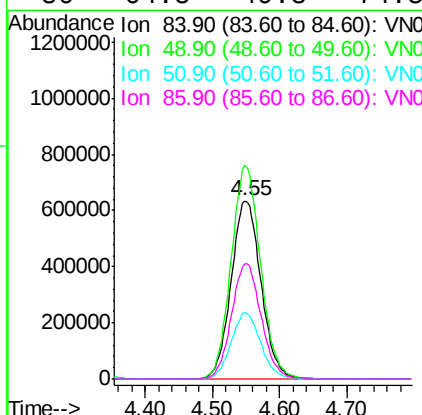
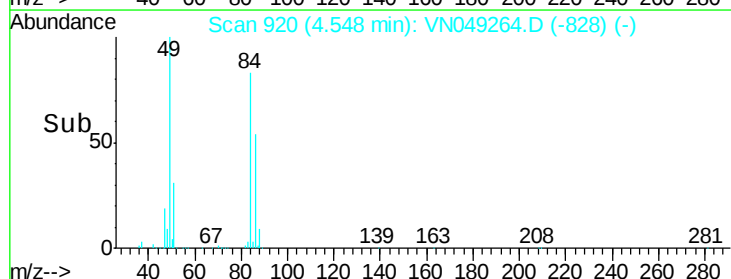
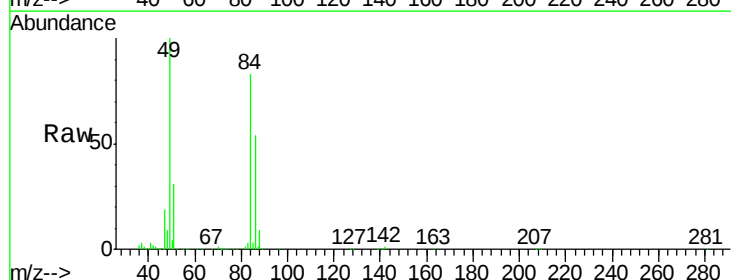
Manual Integrations
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6/18/2018 3:16:12 PM



#20
Methylene Chloride
Concen: 77.08 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 84 Resp: 1958014
Ion Ratio Lower Upper
84 100
49 120.0 106.9 160.3
51 37.2 32.7 49.1
86 64.5 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 81.69 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1833887

Ion Ratio Lower Upper

96 100

61 139.0 121.3 181.9

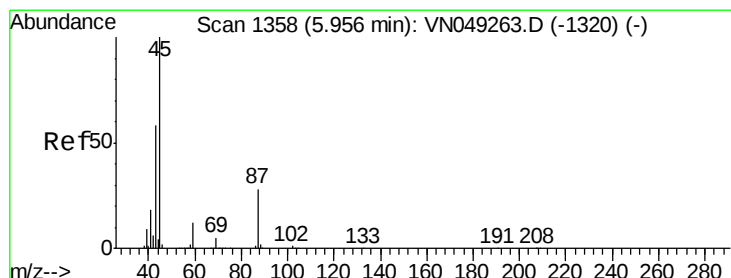
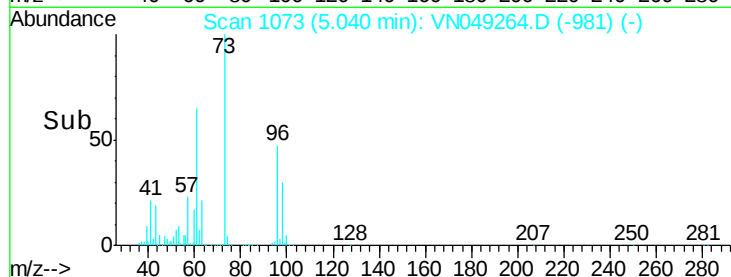
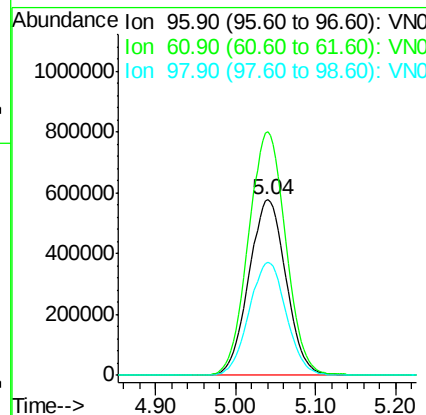
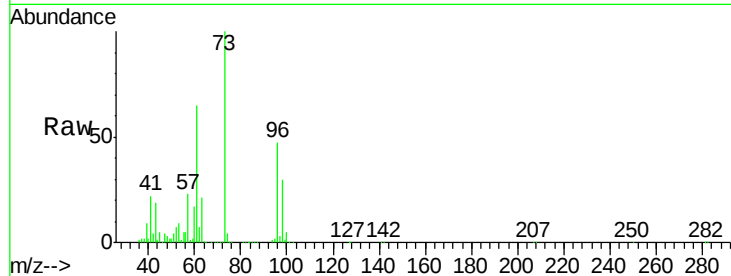
98 64.5 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 77.57 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tgt Ion: 45 Resp: 5887800

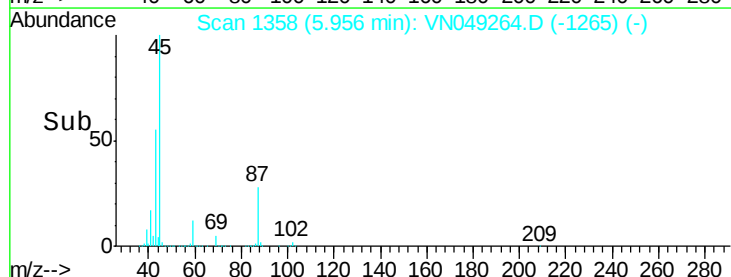
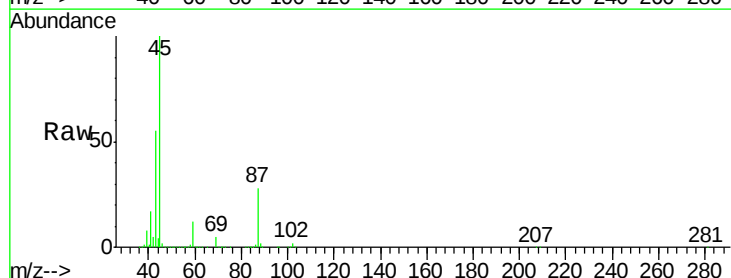
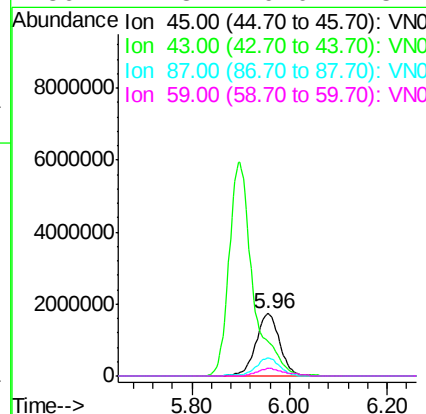
Ion Ratio Lower Upper

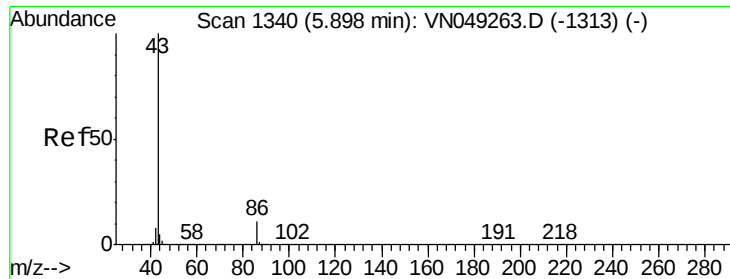
45 100

43 54.6 48.6 72.8

87 28.1 20.2 30.2

59 11.8 9.0 13.4





#23

Vinyl Acetate

Concen: 400.28 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tot Ion: 43 Resp: 20083246

Ion Ratio Lower Upper

43 100

86 10.4 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

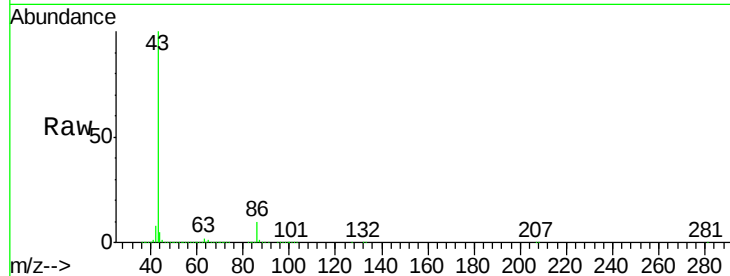
VSTDIC100

Manual Integrations

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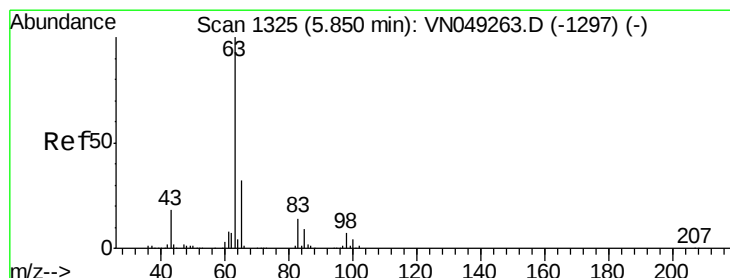
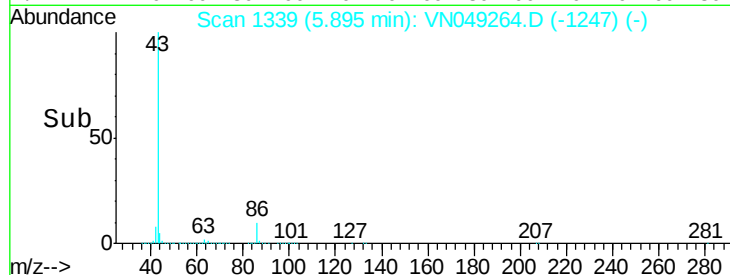
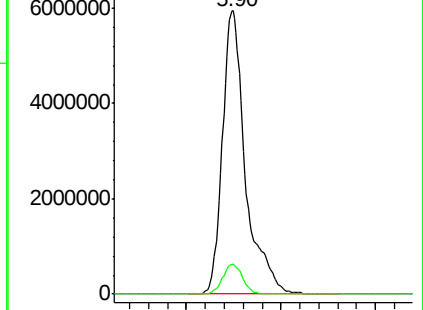
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-1313) (-)

Ion 86.00 (85.70 to 86.70): VN049263.D (-1313) (-)



#24

1,1-Dichloroethane

Concen: 76.61 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

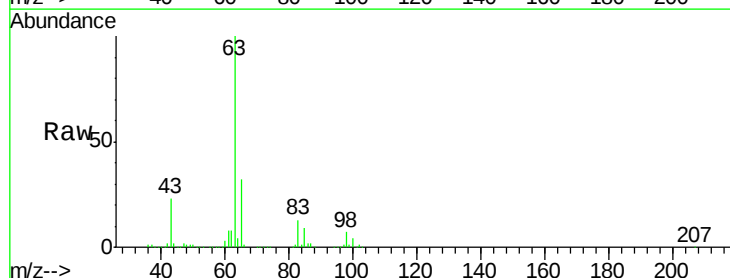
Tgt Ion: 63 Resp: 3465498

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

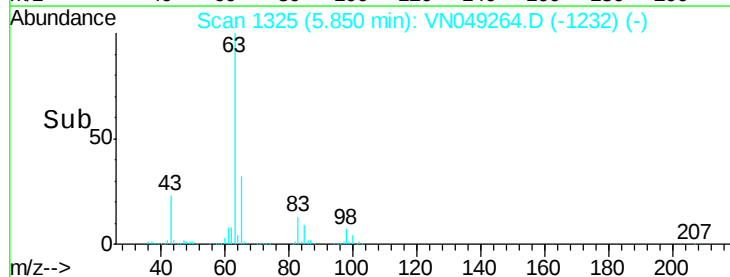
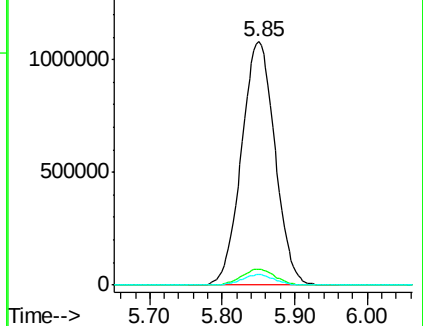
100 4.2 2.1 6.3

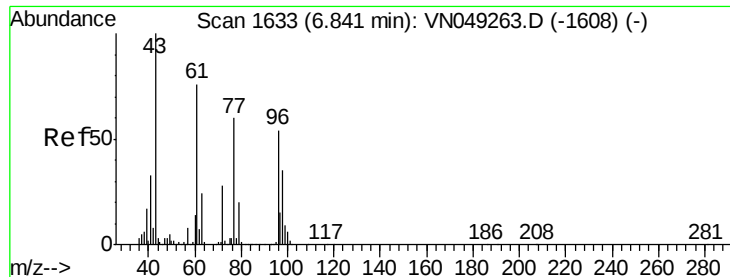


Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-1297) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1297) (-)

Ion 99.90 (99.60 to 100.60): VN049263.D (-1297) (-)





#25

2-Butanone

Concen: 381.32 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3415406

Ion Ratio Lower Upper

43 100

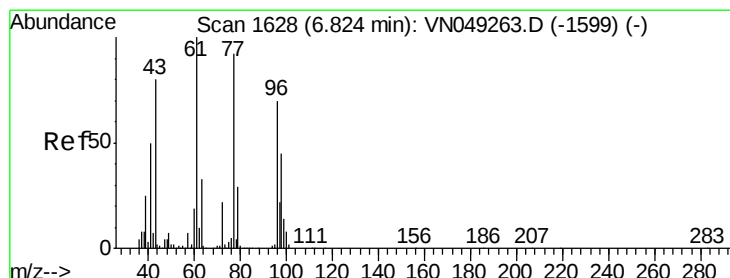
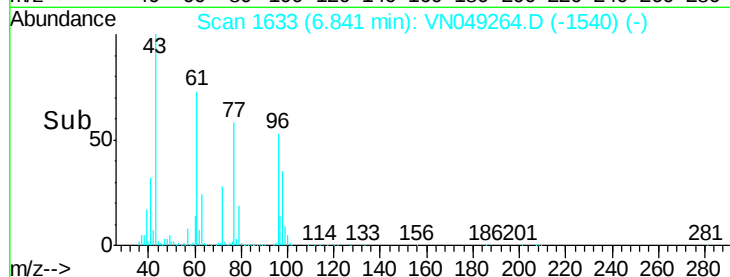
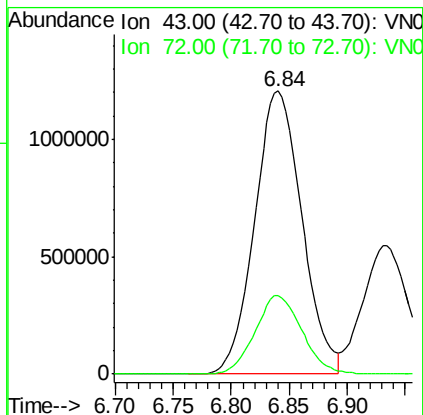
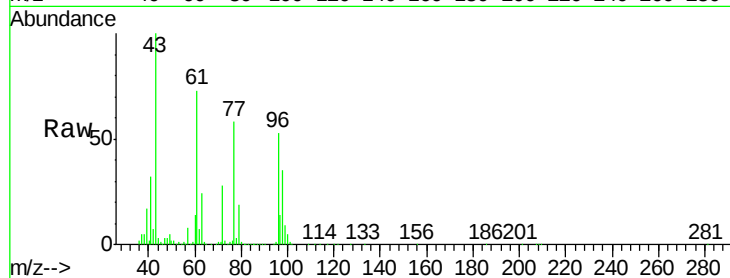
72 27.6 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 84.31 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049264.D

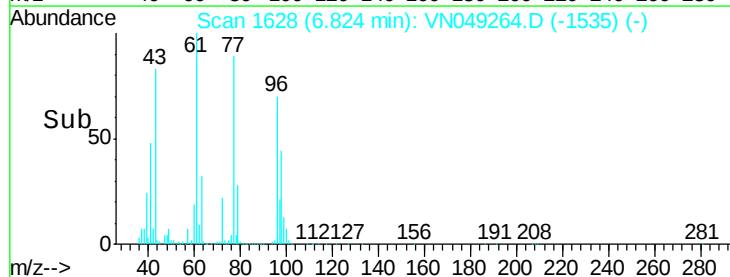
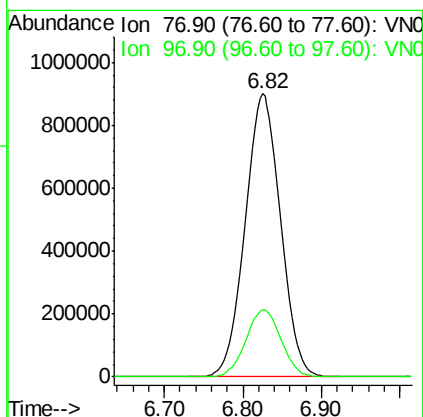
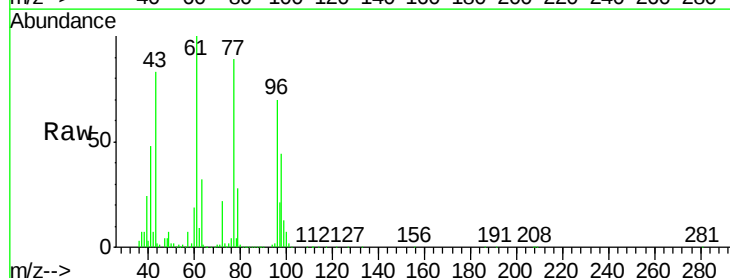
Acq: 15 Jun 2018 15:44

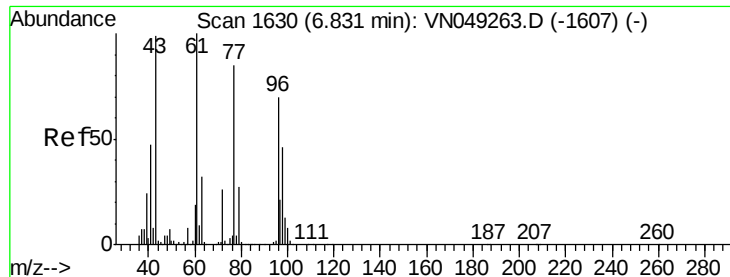
Tgt Ion: 77 Resp: 2859684

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 86.84 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 2122977

Ion Ratio Lower Upper

96 100

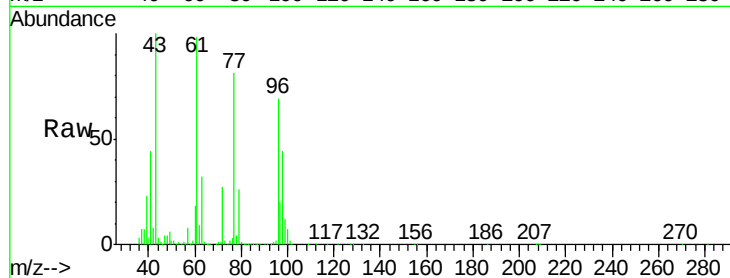
61 143.4 0.0 316.4

98 64.3 0.0 128.4

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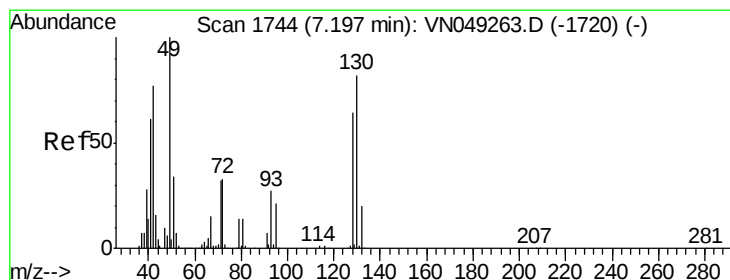
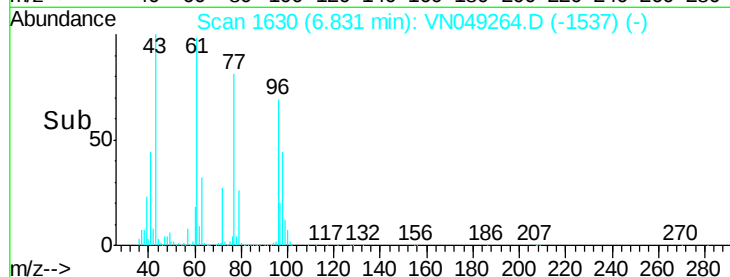
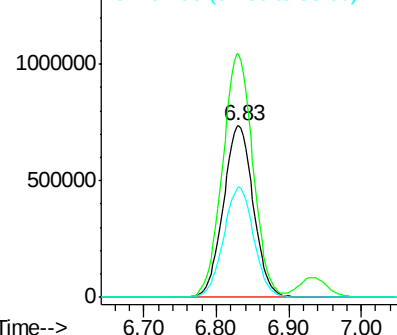
6/18/2018 3:16:12 PM



Abundance Ion 95.90 (95.60 to 96.60): VN049263.D (-1607) (-)

Ion 60.90 (60.60 to 61.60): VN049263.D (-1607) (-)

Ion 97.90 (97.60 to 98.60): VN049263.D (-1607) (-)



#28

Bromochloromethane

Concen: 74.65 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

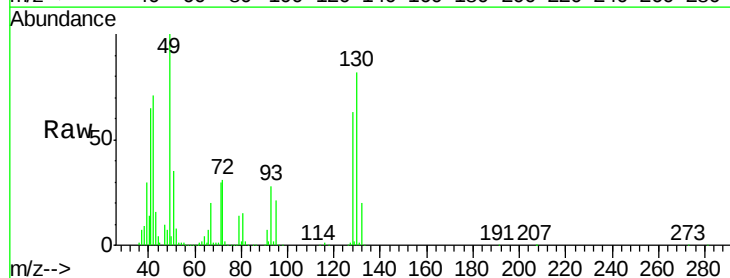
Tgt Ion: 49 Resp: 1602579

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

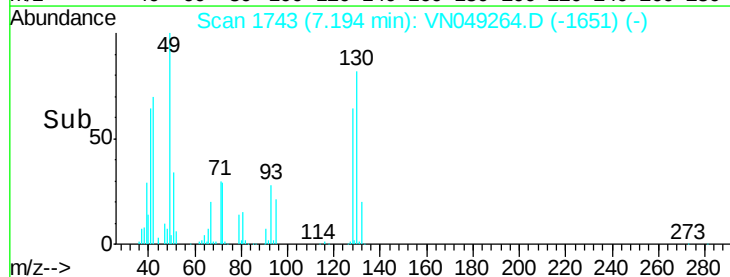
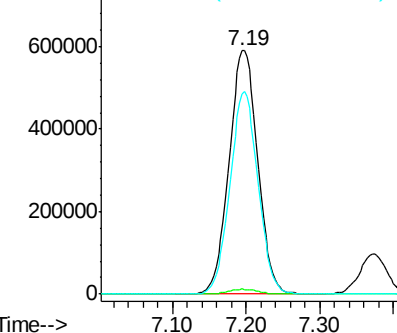
130 81.5 54.9 82.3

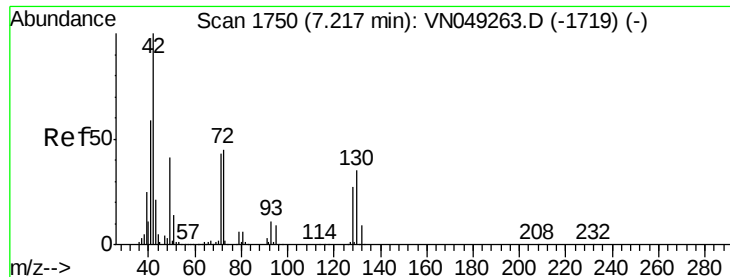


Abundance Ion 48.90 (48.60 to 49.60): VN049263.D (-1720) (-)

Ion 128.80 (128.50 to 129.50): VN049263.D (-1720) (-)

Ion 129.80 (129.50 to 130.50): VN049263.D (-1720) (-)





#29

Tetrahydrofuran

Concen: 387.80 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tot Ion:	42	Resp:	2234596
Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.2	48.4
71	41.9	30.5	45.7

Instrument :

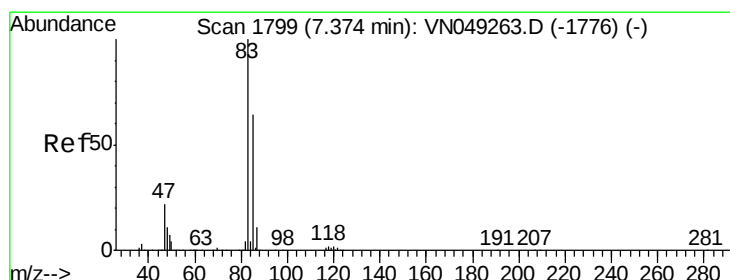
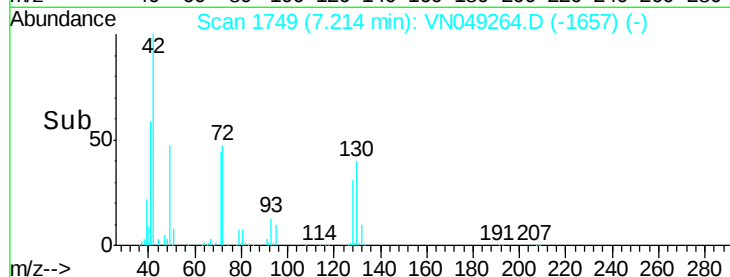
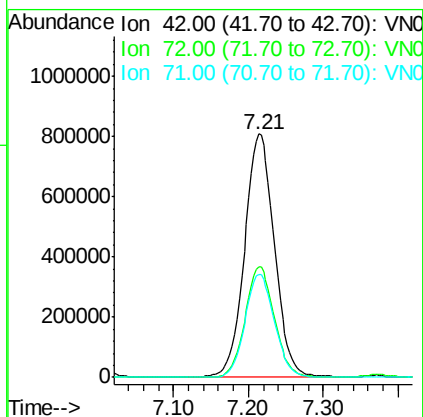
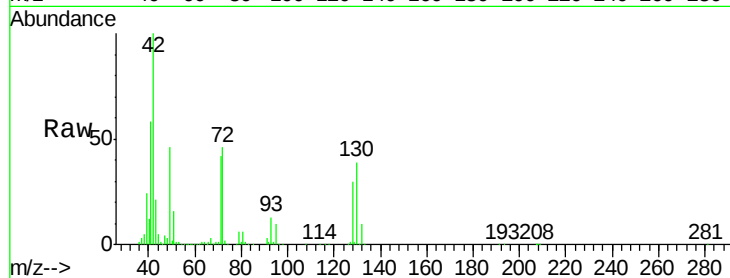
MSVOA_N

ClientSampleId :

VSTDIC100

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#30

Chloroform

Concen: 79.51 ug/l

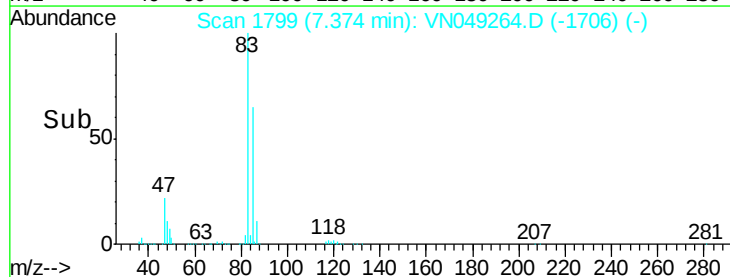
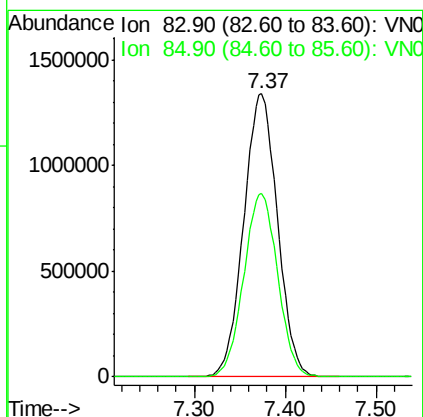
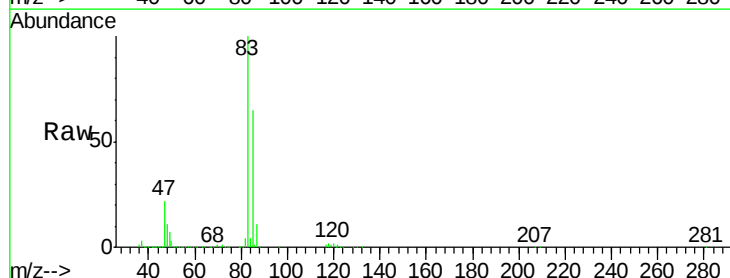
RT: 7.37 min Scan# 1799

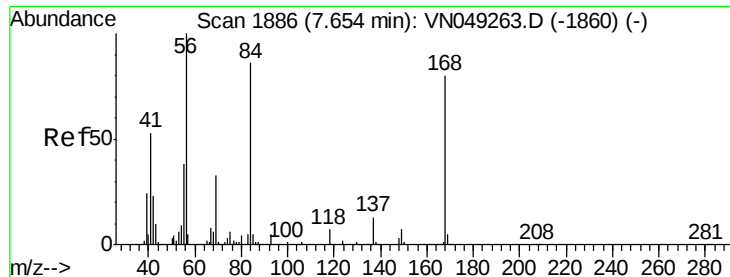
Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tgt Ion:	83	Resp:	3455770
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5





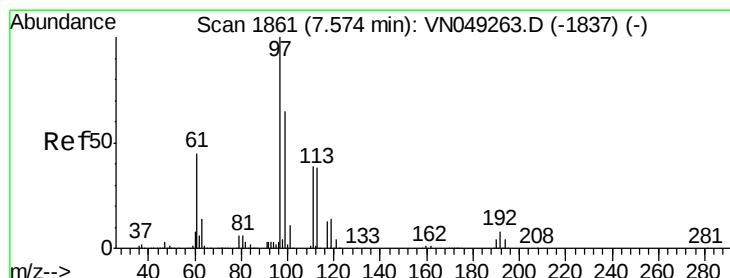
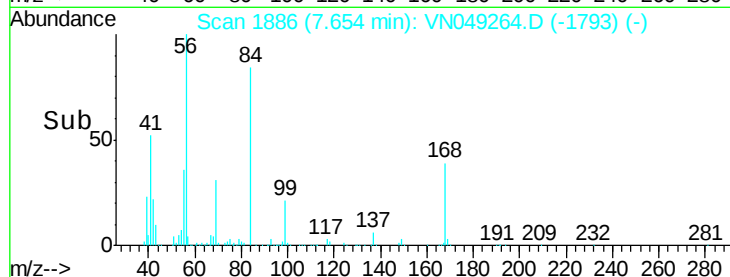
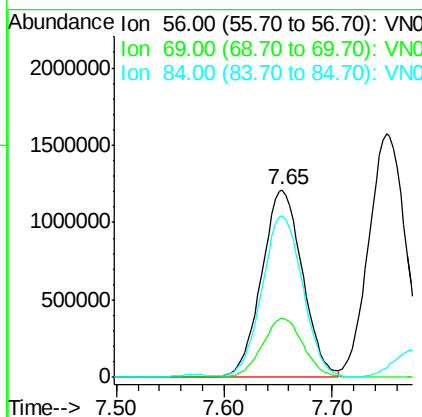
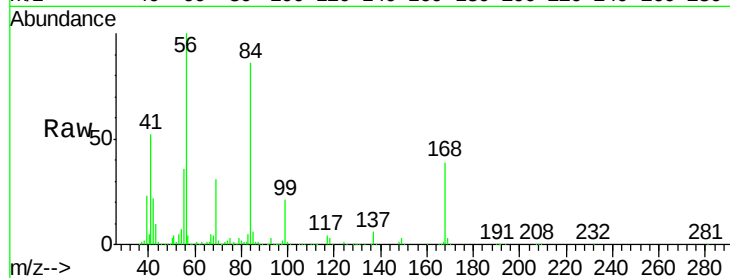
#31
Cyclohexane
Concen: 70.29 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.0	37.4
84	84.9	64.6	96.8

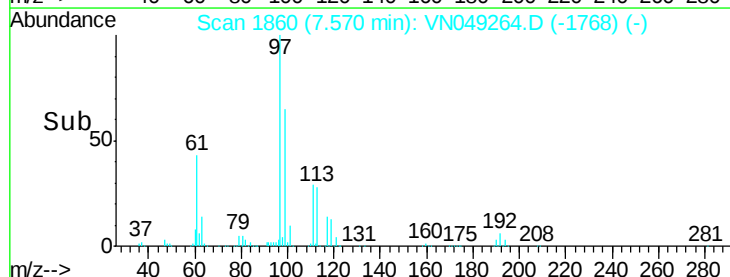
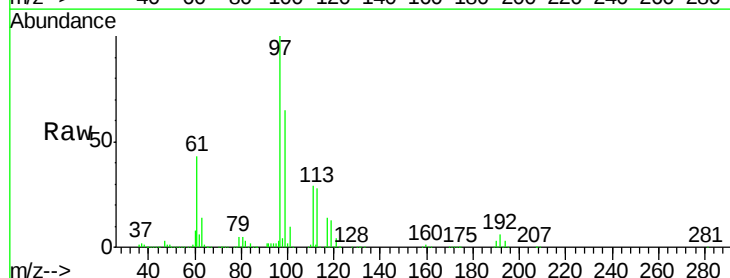
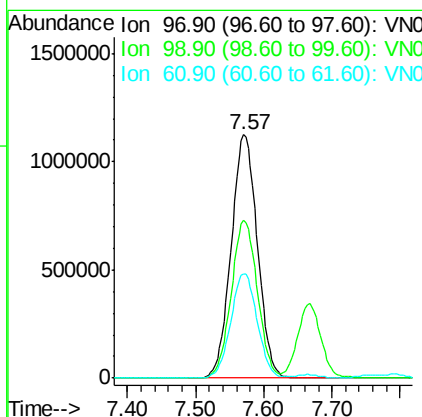
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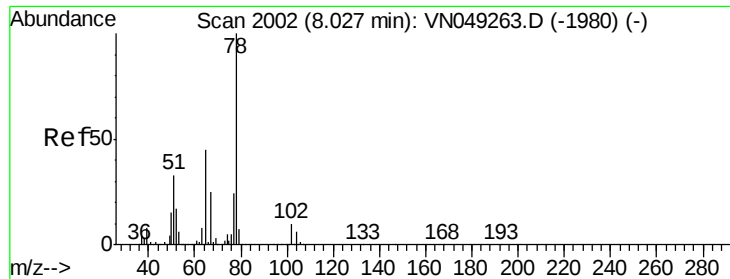
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#32
1,1,1-Trichloroethane
Concen: 80.16 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.5	75.7
61	43.3	37.9	56.9





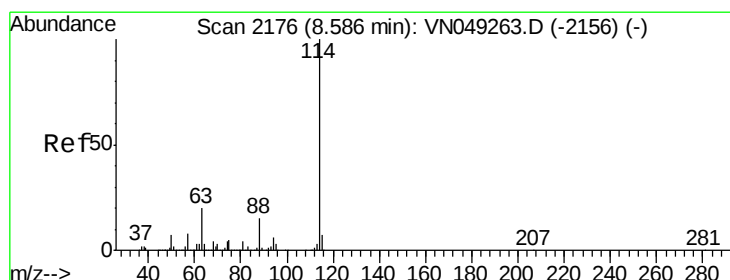
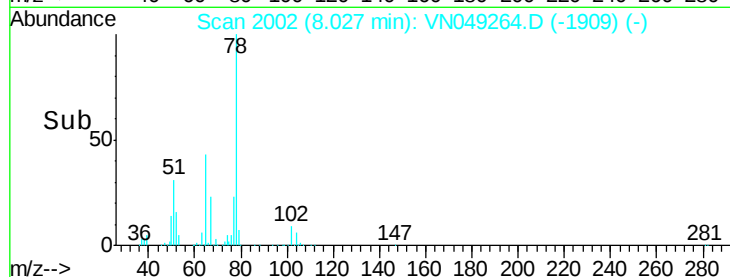
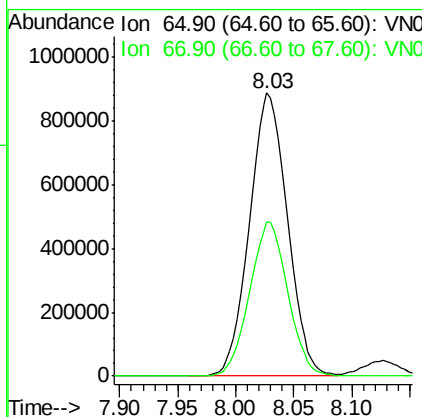
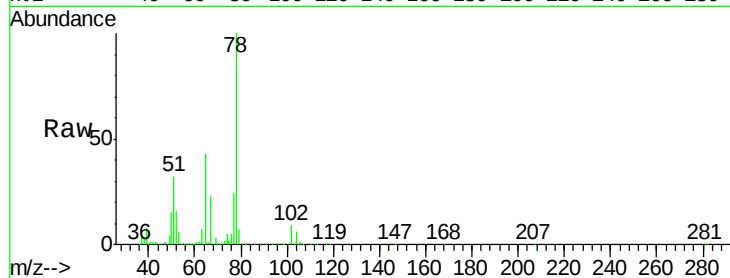
#33
 1,2-Dichloroethane-d4
 Concen: 77.53 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Tot Ion: 65 Resp: 2029429
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 103.8

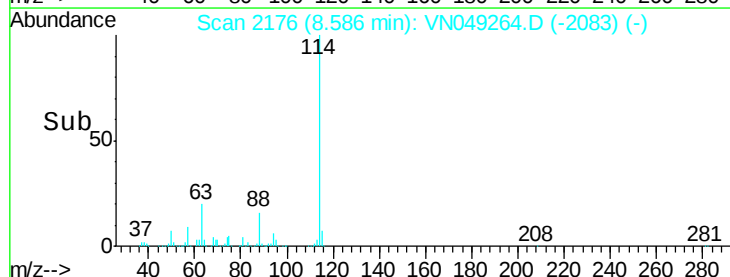
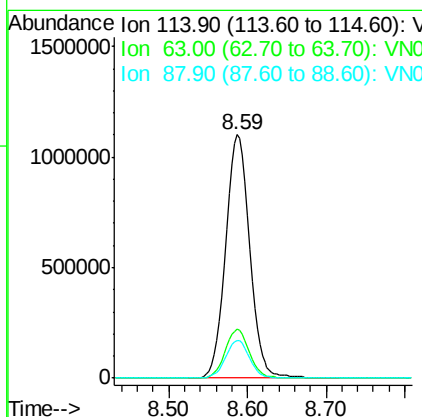
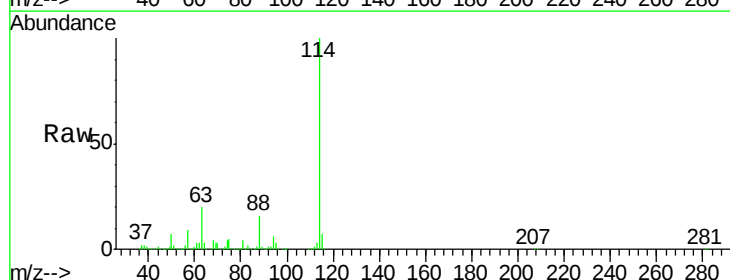
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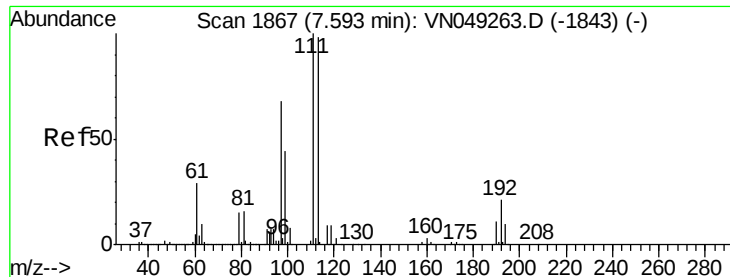
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion: 114 Resp: 2327575
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 96.06 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:113 Resp: 1850596

Ion Ratio Lower Upper

113 100

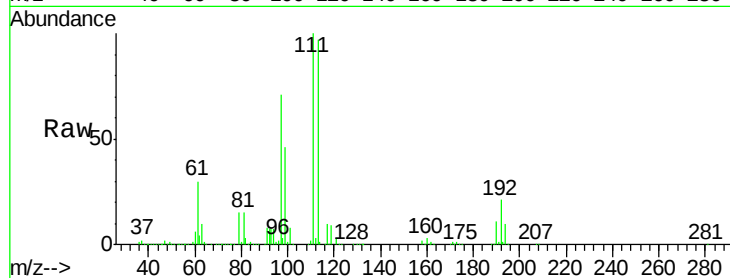
111 102.4 82.4 123.6

192 21.7 15.0 22.6

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MMDadoda

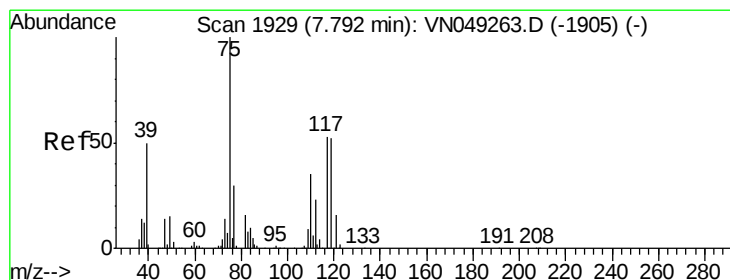
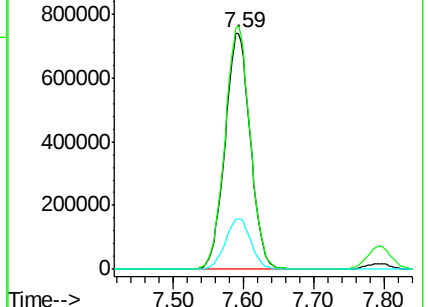
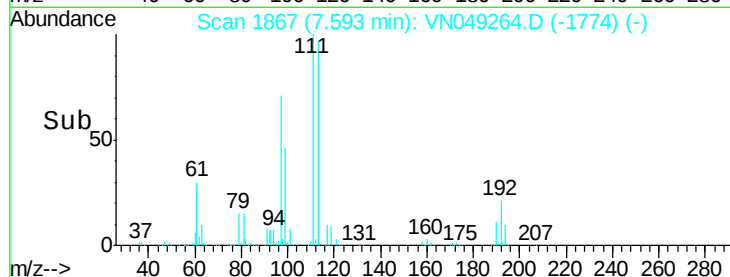
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Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 93.92 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

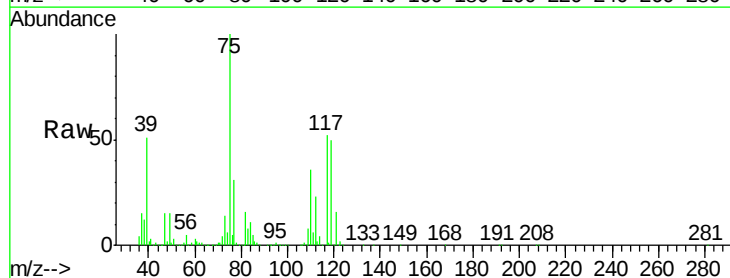
Tgt Ion: 75 Resp: 2731325

Ion Ratio Lower Upper

75 100

110 35.9 17.0 50.9

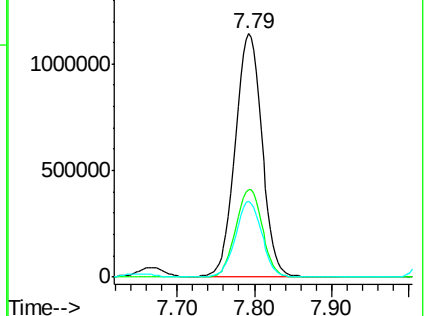
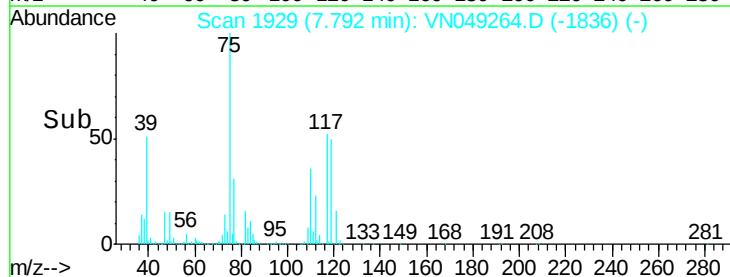
77 30.7 24.4 36.6

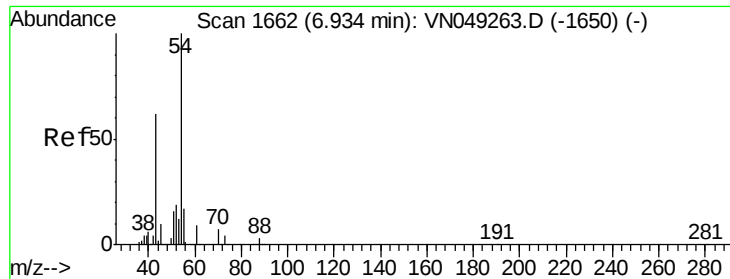


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





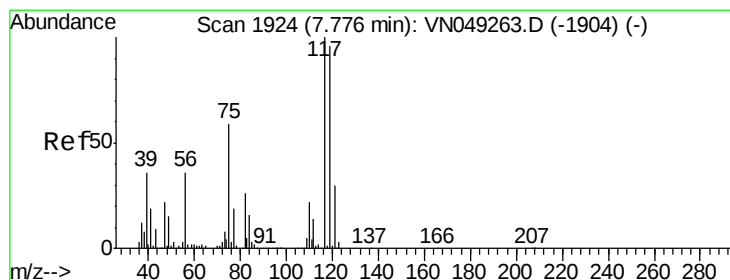
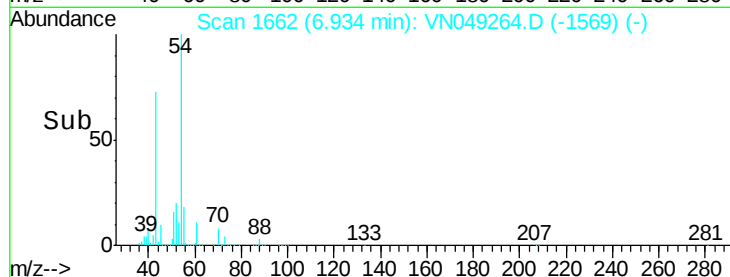
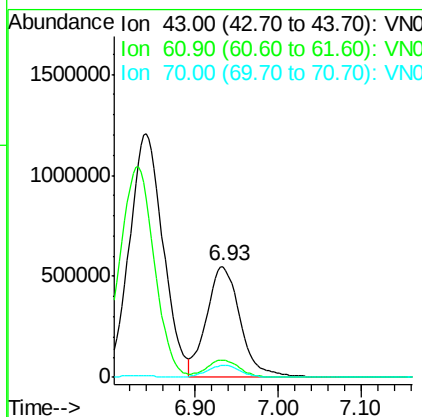
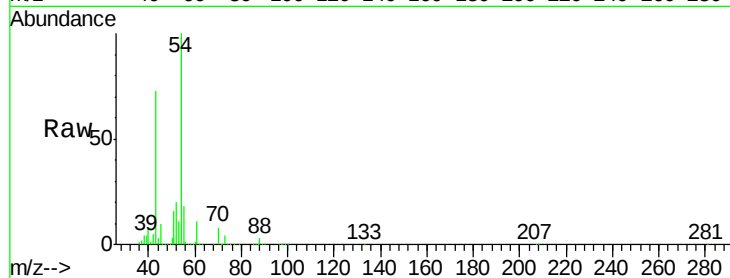
#37
Ethyl Acetate
Concen: 83.61 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	10.5	7.2	10.8

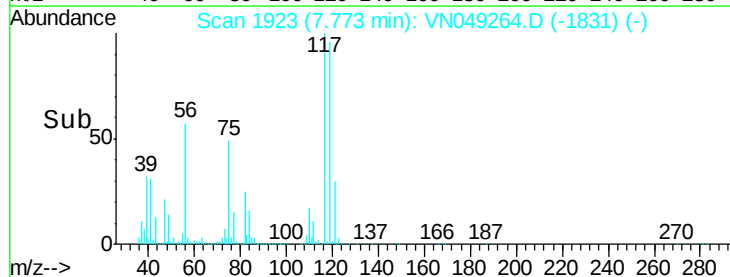
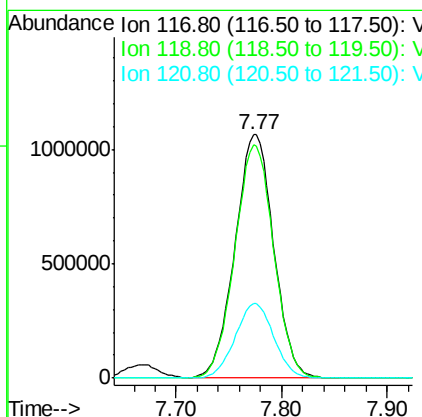
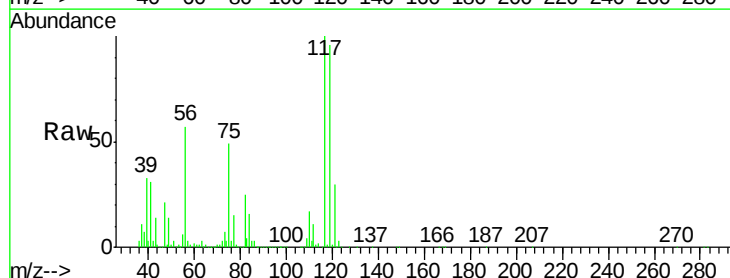
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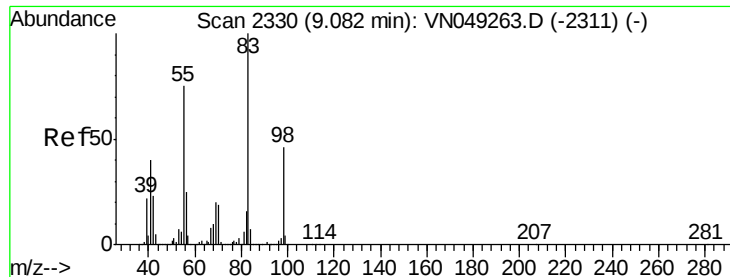
MMDadoda
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#38
Carbon Tetrachloride
Concen: 92.20 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.6	113.4
121	30.5	24.7	37.1





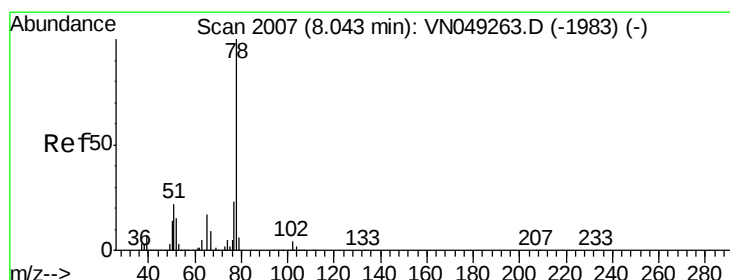
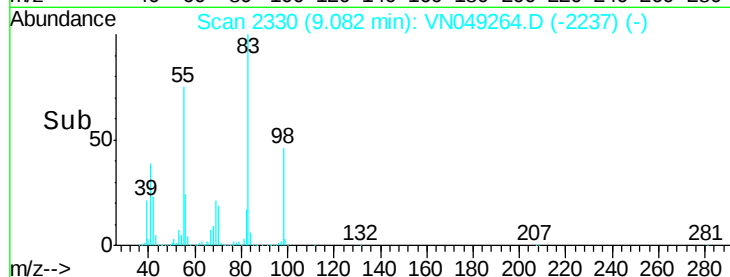
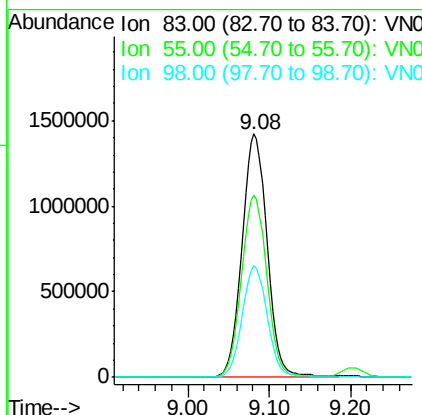
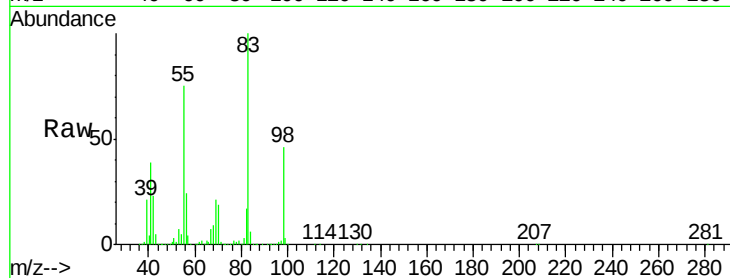
#39
Methvlcvclohexane
Concen: 100.32 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	65.1	97.7
98	45.7	36.5	54.7

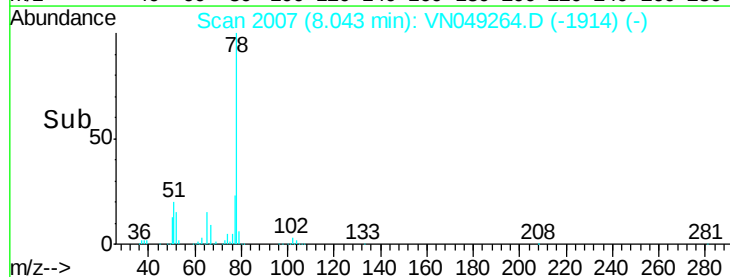
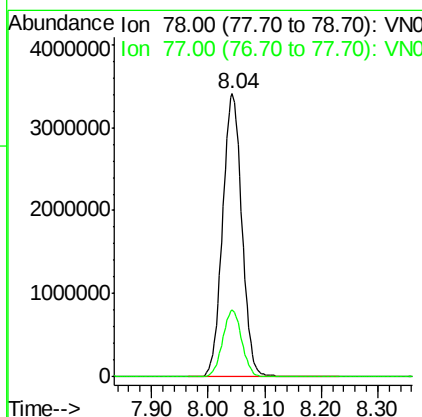
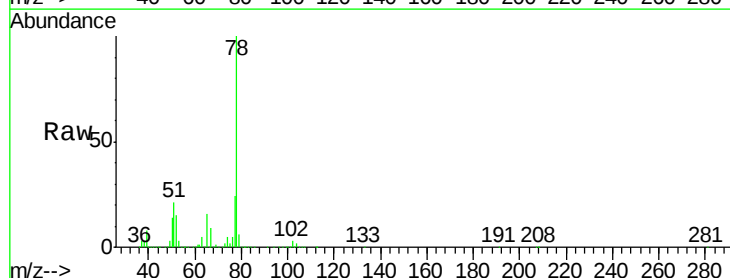
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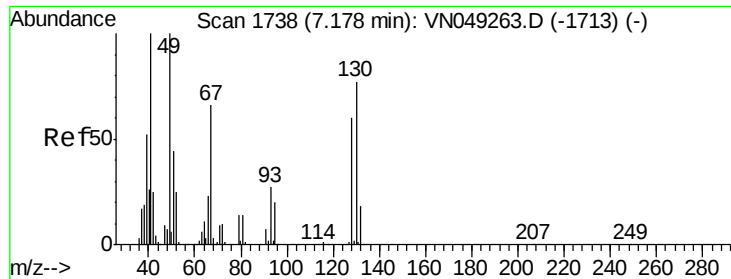
MMDadoda
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#40
Benzene
Concen: 91.88 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





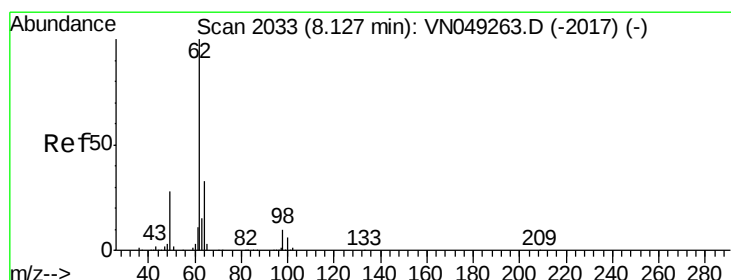
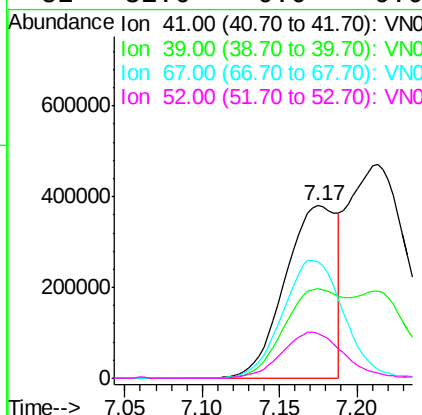
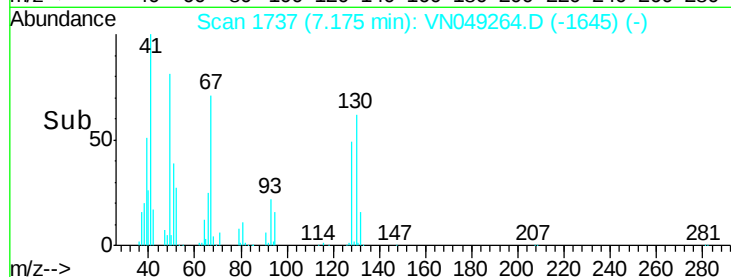
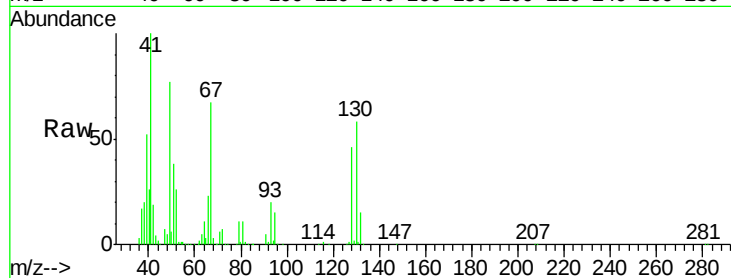
#41
Methacrylonitrile
Concen: 84.80 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	880734
Ion	Ratio	Lower	Upper
41	100		
39	59.9	0.0	0.0#
67	81.5	0.0	0.0#
52	31.6	0.0	0.0#

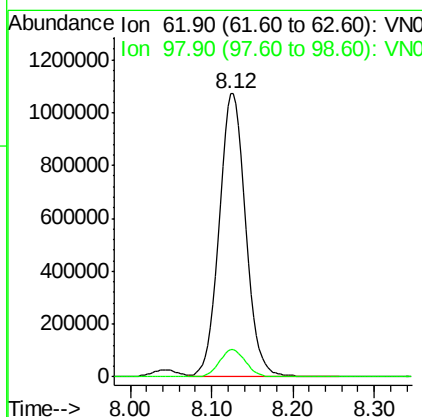
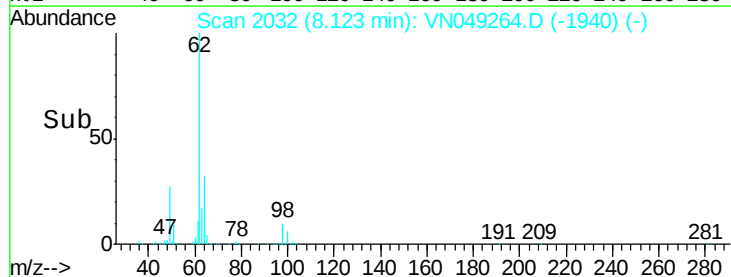
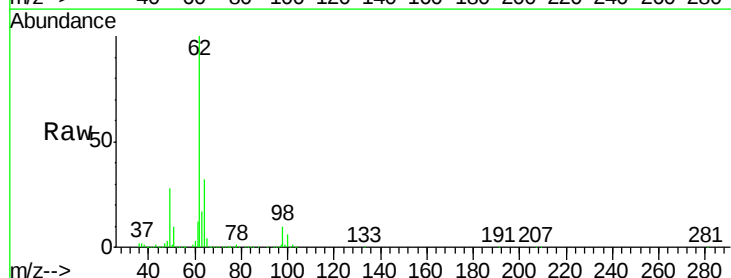
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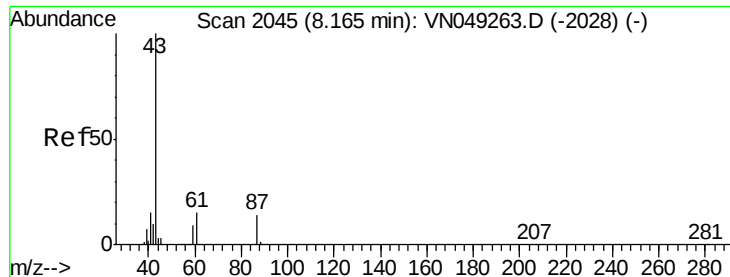
MMDadoda
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#42
1,2-Dichloroethane
Concen: 84.62 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	62	Resp	2460544
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 84.73 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2860051

Ion Ratio Lower Upper

43 100

61 20.4 14.2 21.4

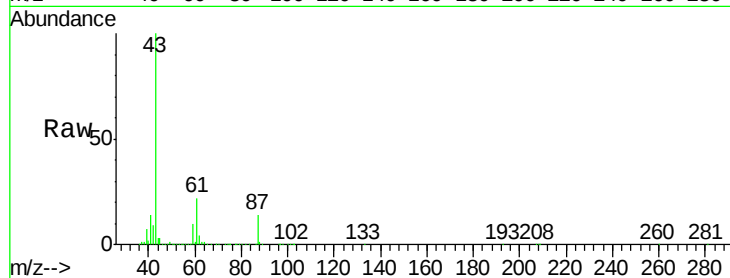
87 13.8 9.4 14.0

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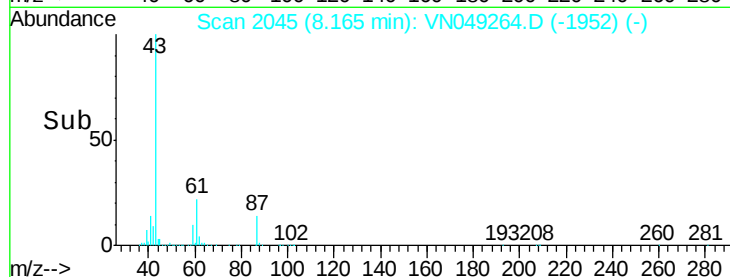


Abundance Ion 43.00 (42.70 to 43.70): VN049264.D (-1952) (-)

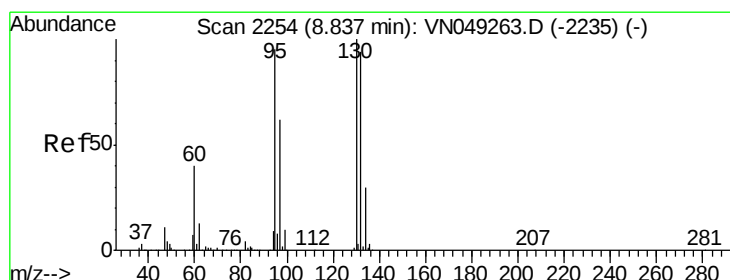
Ion 61.00 (60.70 to 61.70): VN049264.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049264.D (-1952) (-)

Time-->



Time-->



#44

Trichloroethene

Concen: 97.23 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049264.D

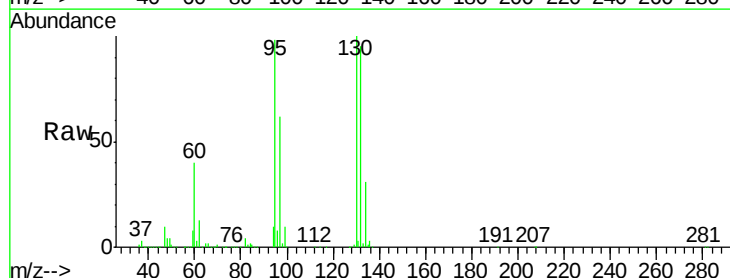
Acq: 15 Jun 2018 15:44

Tgt Ion: 130 Resp: 2139043

Ion Ratio Lower Upper

130 100

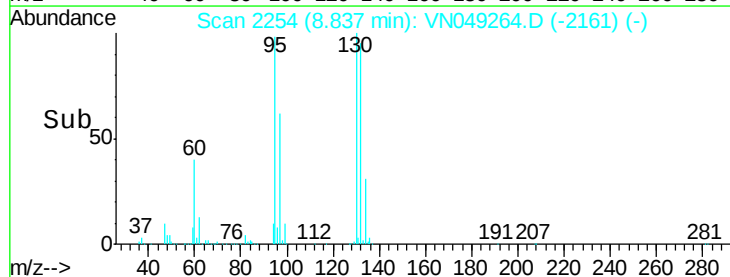
95 97.9 0.0 208.6



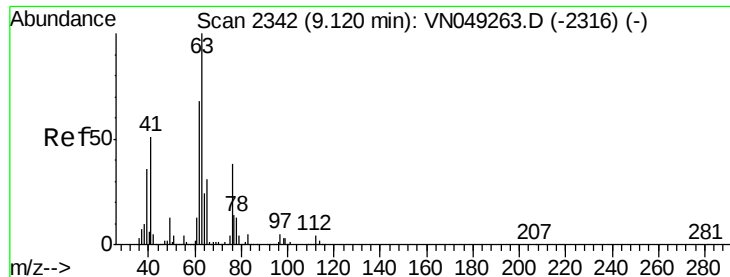
Abundance Ion 129.80 (129.50 to 130.50): VN049264.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049264.D (-2161) (-)

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 87.16 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tot Ion: 63 Resp: 2112311

Ion Ratio Lower Upper

63 100

65 30.9 24.8 37.2

Instrument :

MSVOA_N

ClientSampled :

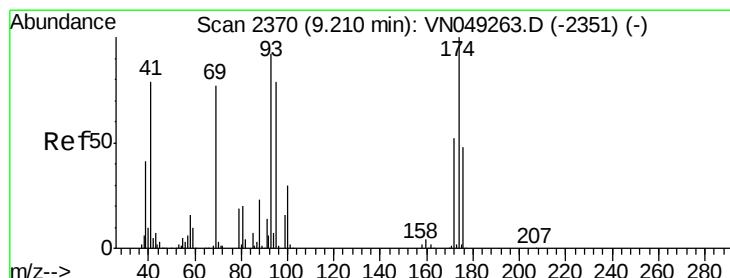
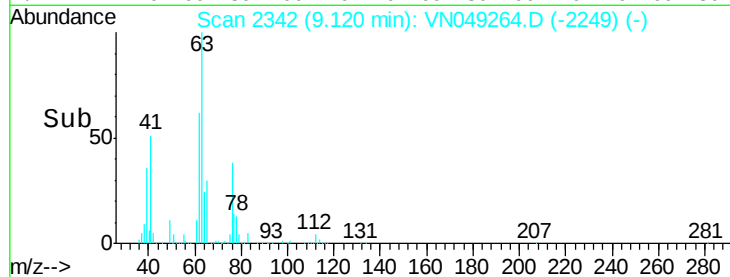
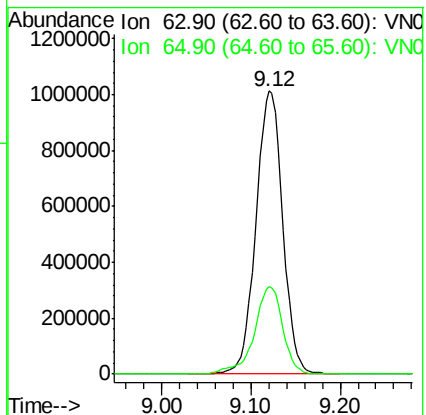
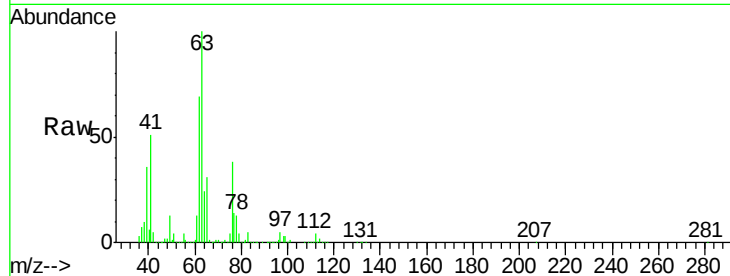
VSTDICC100

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#46

Dibromomethane

Concen: 91.49 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

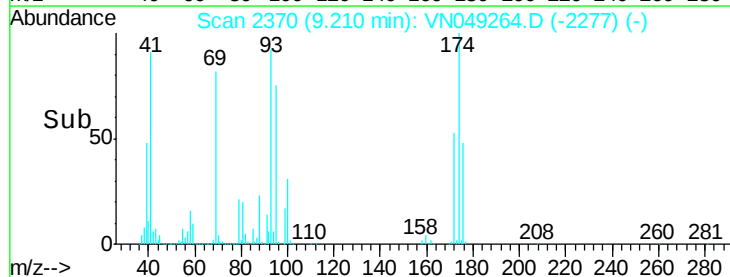
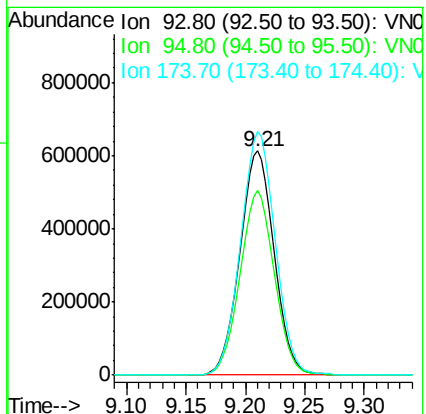
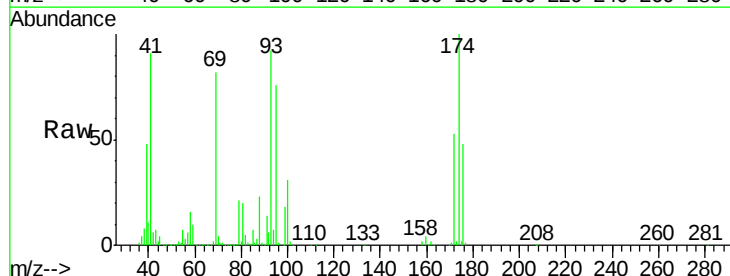
Tgt Ion: 93 Resp: 1224958

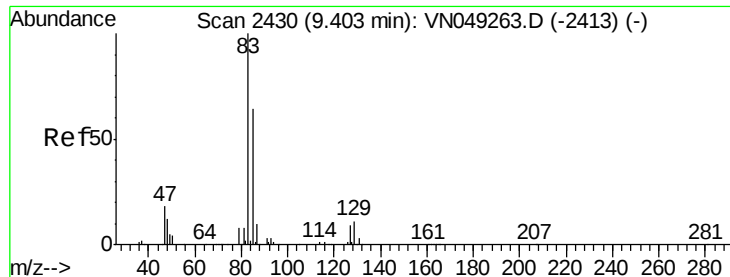
Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

174 109.7 75.6 113.4





#47

Bromodichloromethane

Concen: 90.21 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 2720250

Ion Ratio Lower Upper

83 100

85 64.0 49.4 74.0

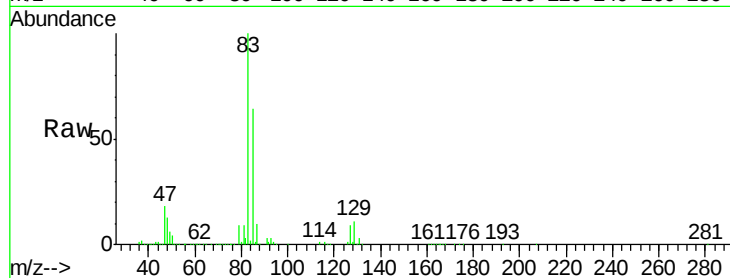
127 8.7 6.3 9.5

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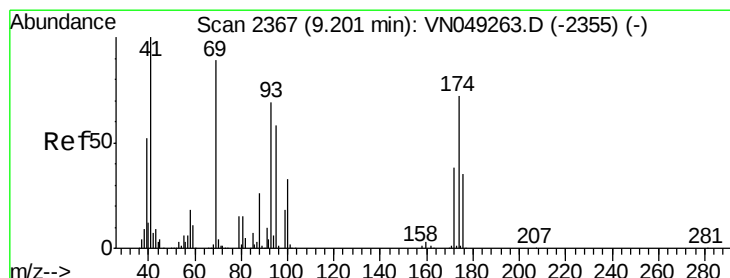
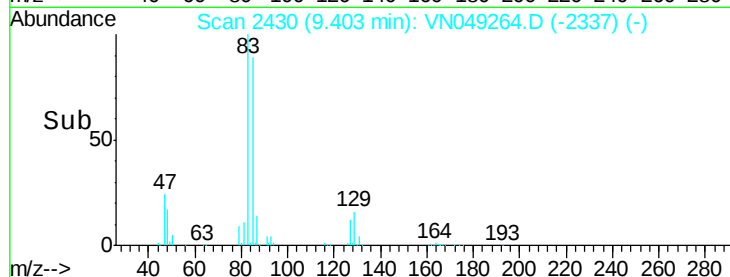
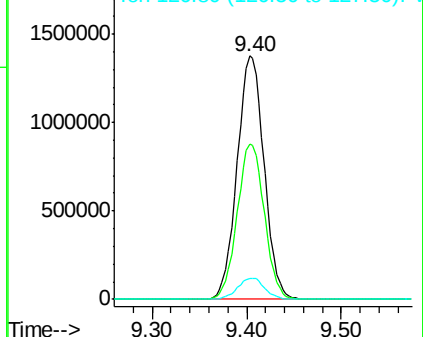
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Abundance Ion 82.90 (82.60 to 83.60): VN049264.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049264.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049264.D (-2337) (-)



#48

Methyl methacrylate

Concen: 84.90 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

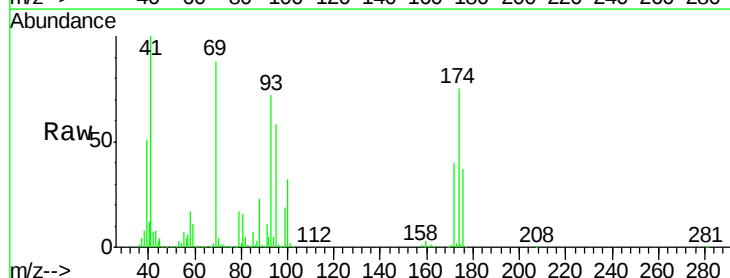
Tgt Ion: 41 Resp: 1400268

Ion Ratio Lower Upper

41 100

69 93.0 62.0 93.0

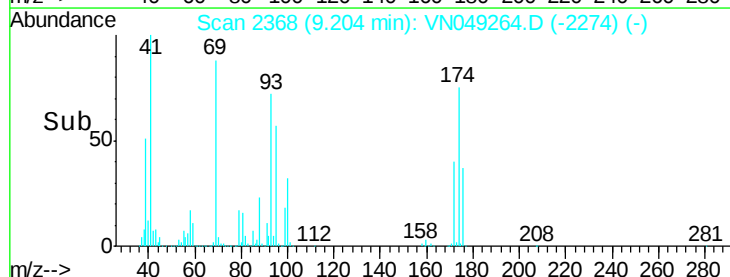
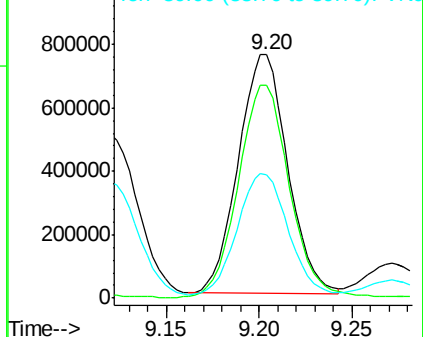
39 54.6 50.6 75.8

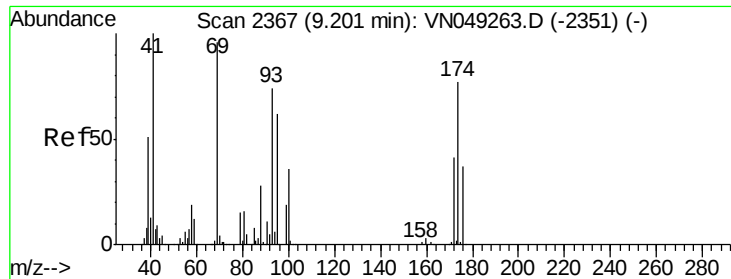


Abundance Ion 41.00 (40.70 to 41.70): VN049264.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049264.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049264.D (-2274) (-)





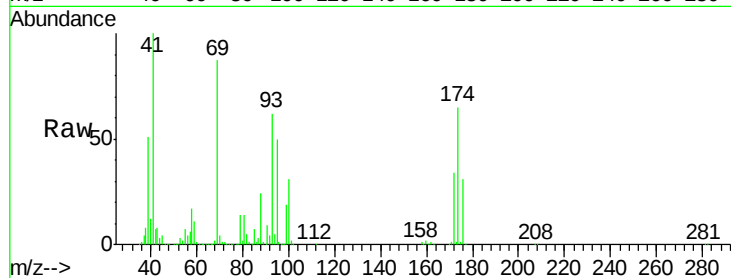
#49
1,4-Dioxane
Concen: 1940.24 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

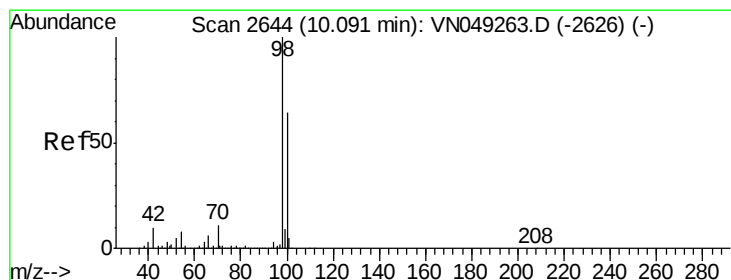
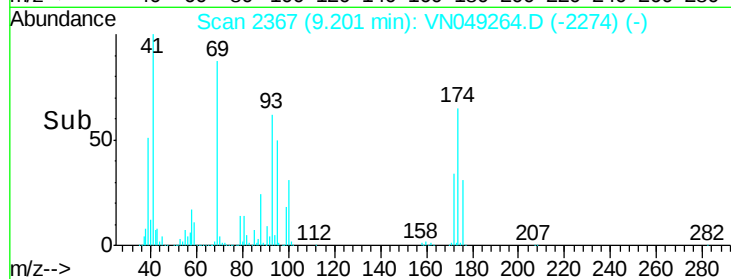
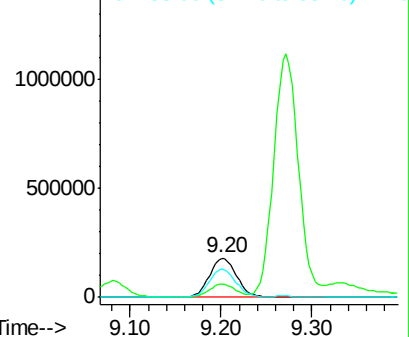
Tot Ion	Ratio	Lower	Upper
88	100		
43	31.1	30.9	46.3
58	70.5	58.9	88.3

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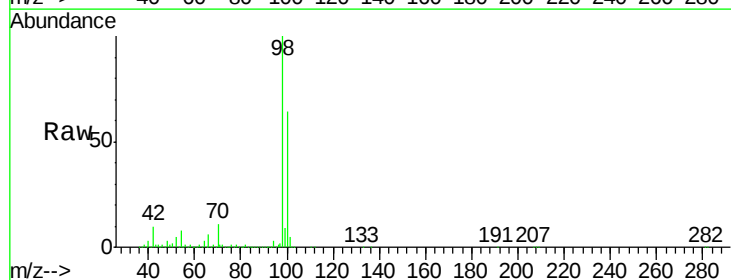


Abundance Ion 88.00 (87.70 to 88.70): VN049263.D (-2351) (-)
Ion 43.00 (42.70 to 43.70): VN049263.D (-2351) (-)
Ion 58.00 (57.70 to 58.70): VN049263.D (-2351) (-)

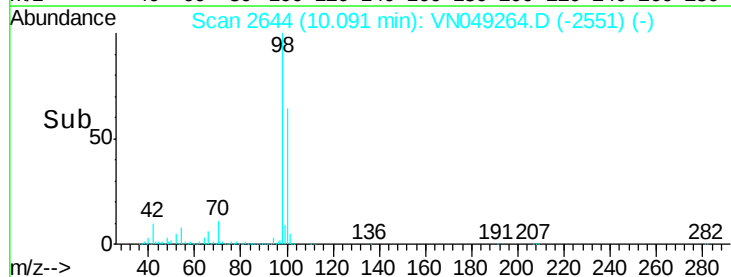
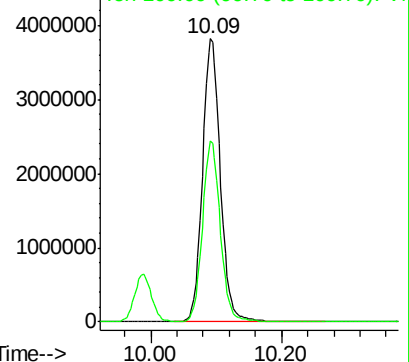


#50
Toluene-d8
Concen: 96.93 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	49.8	74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)
Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)





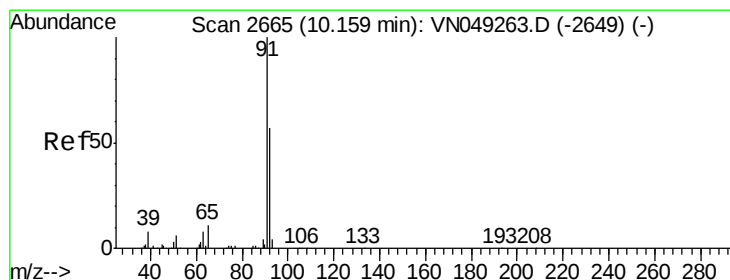
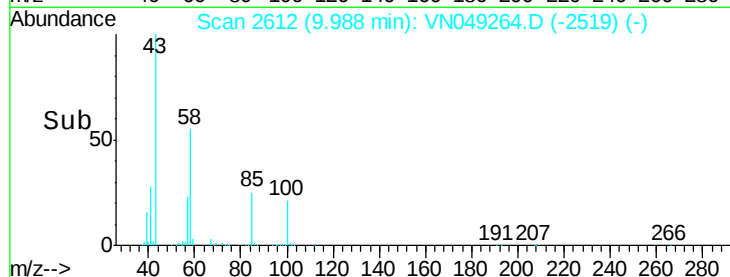
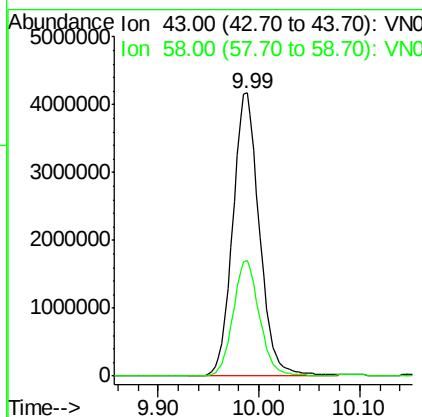
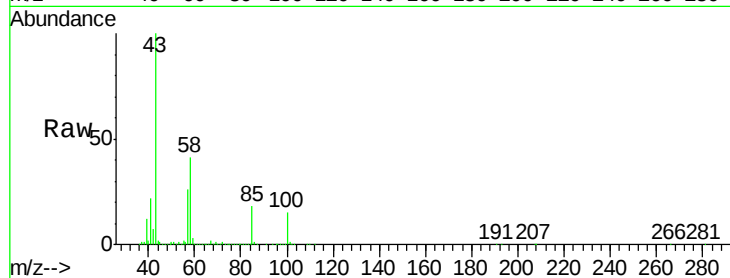
#51
4-Methyl-2-Pentanone
Concen: 426.88 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 7673503
Ion Ratio Lower Upper
43 100
58 40.5 29.0 43.6

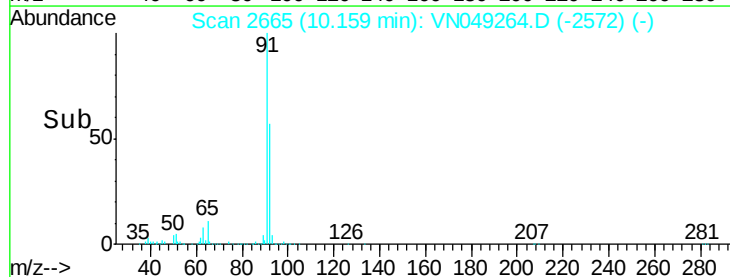
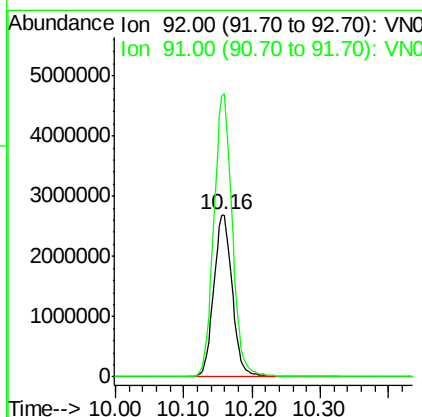
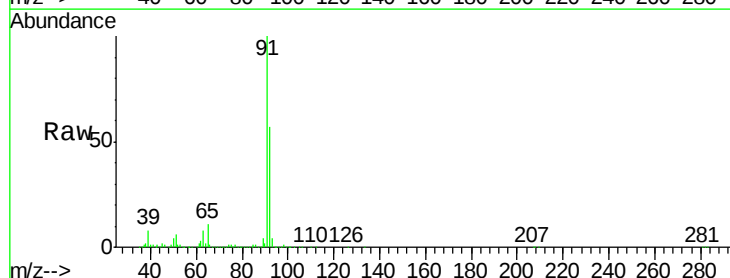
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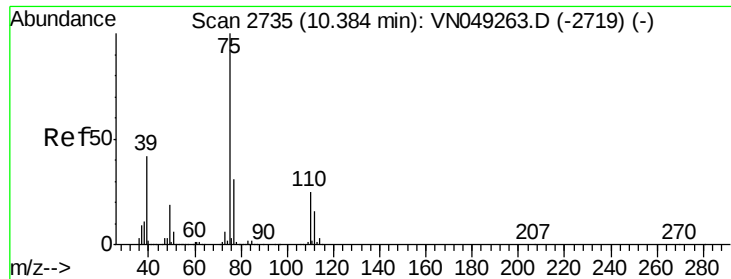
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#52
Toluene
Concen: 98.62 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 92 Resp: 5055338
Ion Ratio Lower Upper
92 100
91 174.3 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 99.59 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 2855314

Ion Ratio Lower Upper

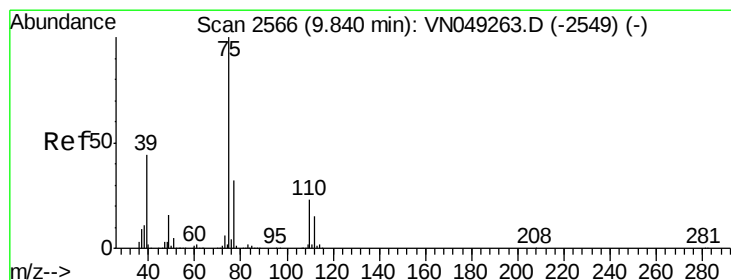
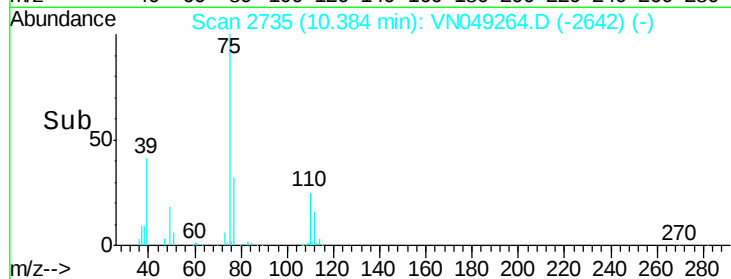
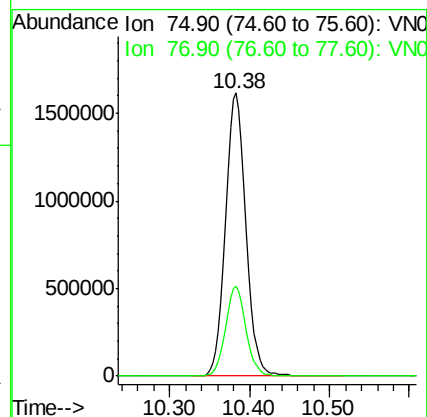
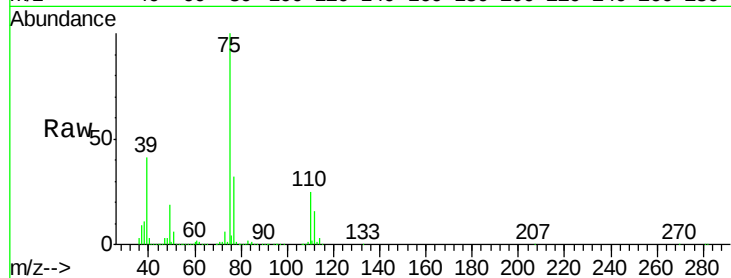
75 100

77 31.6 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 98.63 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

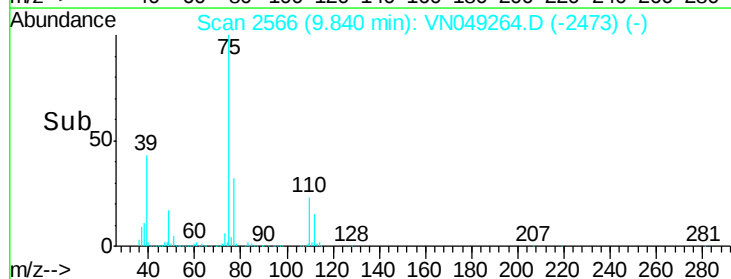
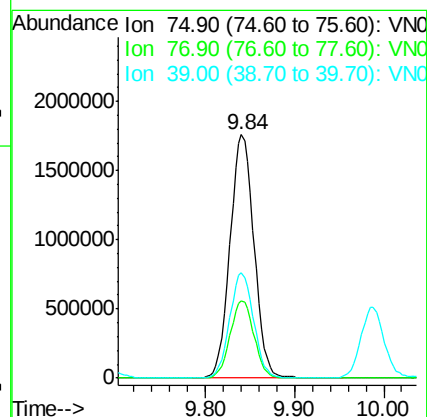
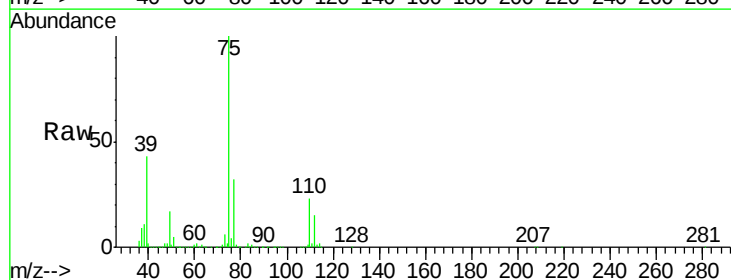
Tgt Ion: 75 Resp: 3276850

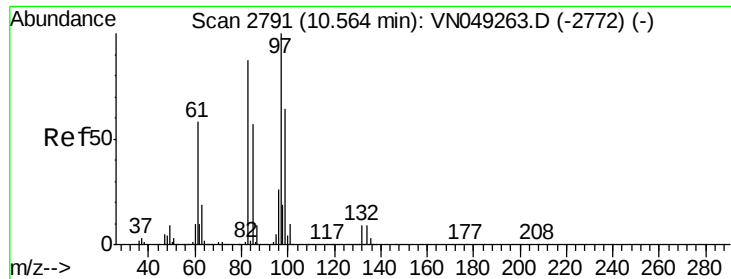
Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 43.1 45.1 67.7#





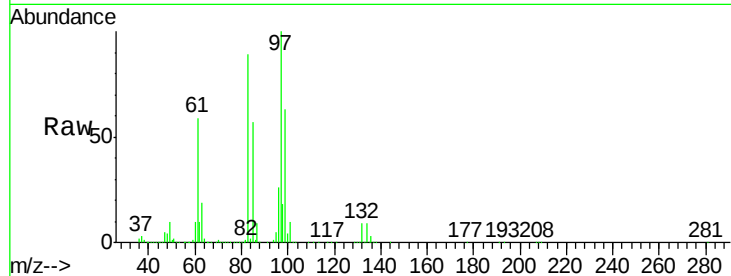
#55
 1,1,2-Trichloroethane
 Concen: 92.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.6	71.5	107.3
85	56.6	47.0	70.4
99	63.3	51.4	77.2

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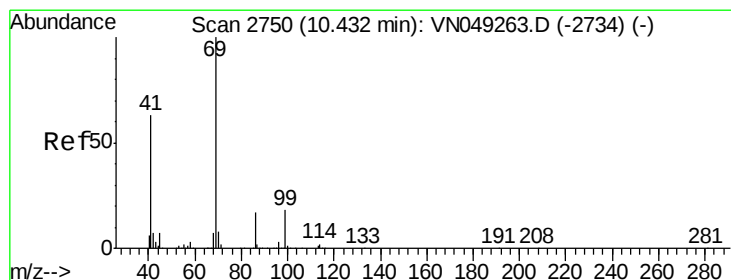
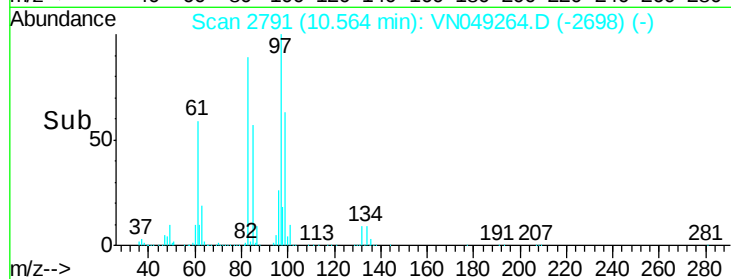
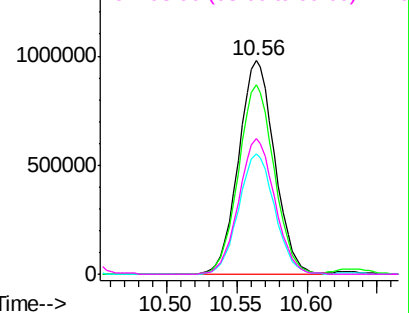


Abundance Ion 96.90 (96.60 to 97.60): VN049264.D (-2772) (-)

Ion 82.90 (82.60 to 83.60): VN049264.D (-2772) (-)

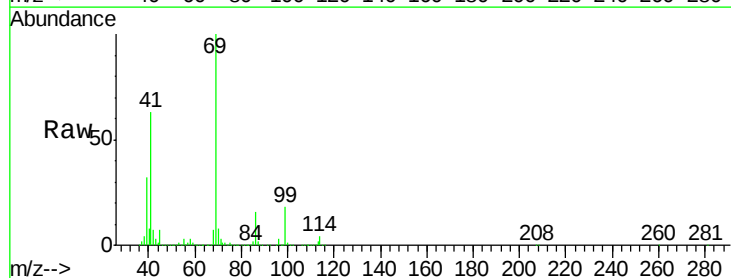
Ion 84.90 (84.60 to 85.60): VN049264.D (-2772) (-)

Ion 98.90 (98.60 to 99.60): VN049264.D (-2772) (-)



#56
 Ethyl methacrylate
 Concen: 104.00 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

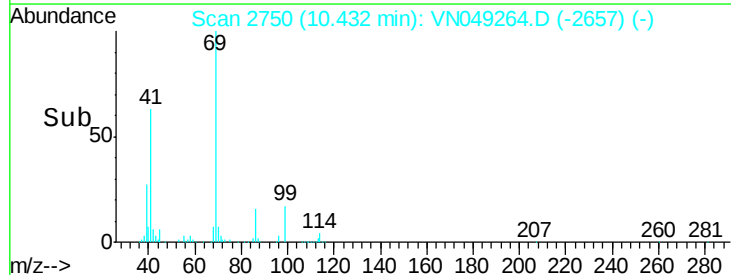
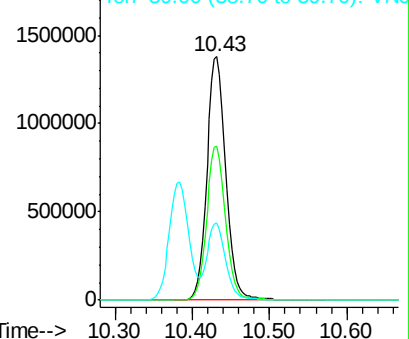
Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.6	58.4	87.6
39	31.3	35.5	53.3



Abundance Ion 69.00 (68.70 to 69.70): VN049264.D (-2734) (-)

Ion 41.00 (40.70 to 41.70): VN049264.D (-2734) (-)

Ion 39.00 (38.70 to 39.70): VN049264.D (-2734) (-)





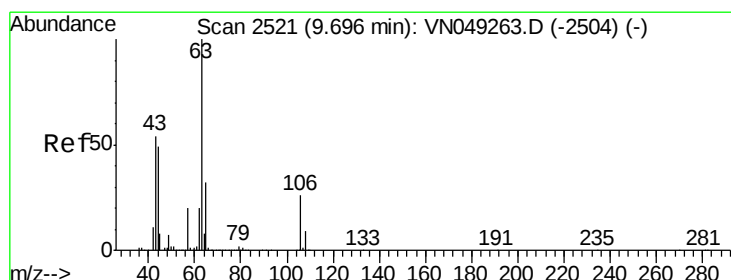
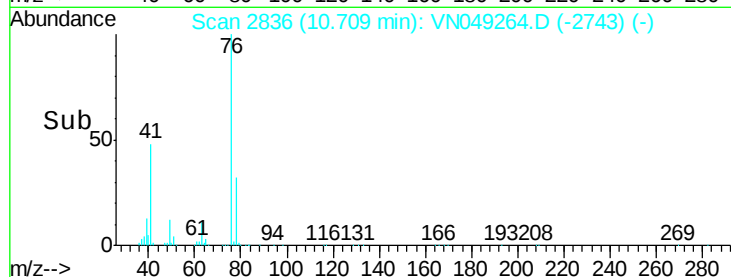
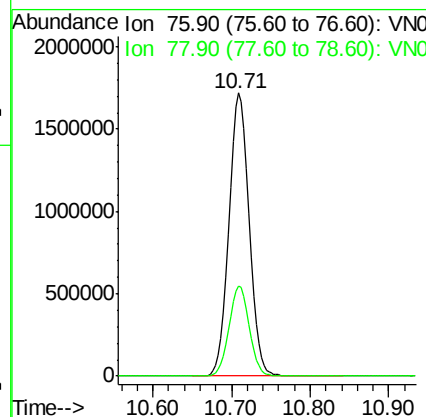
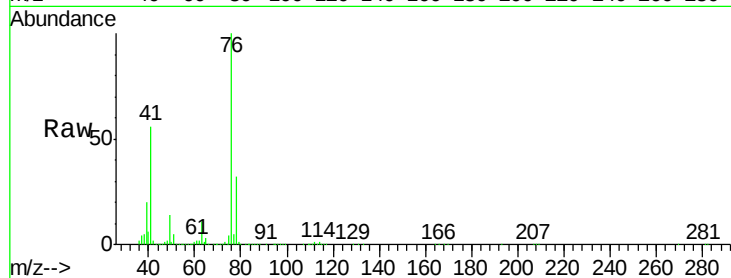
#57
 1,3-Dichloropropane
 Concen: 94.02 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 3033078
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.3 39.5

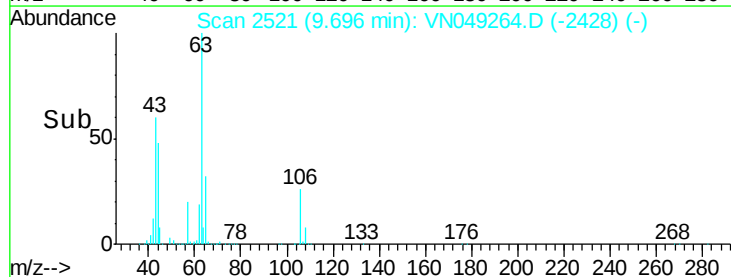
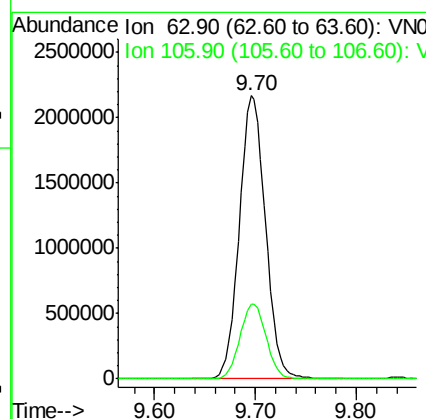
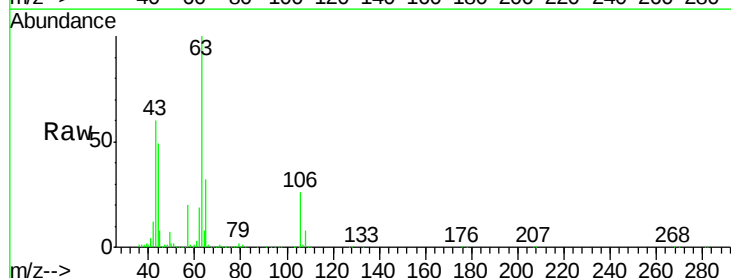
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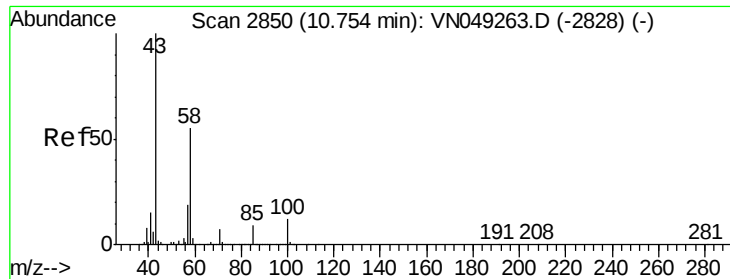
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 530.92 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion: 63 Resp: 3901224
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





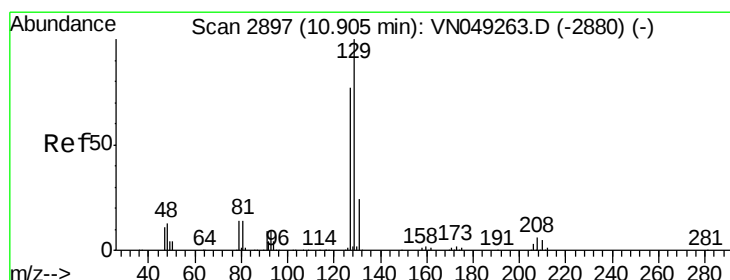
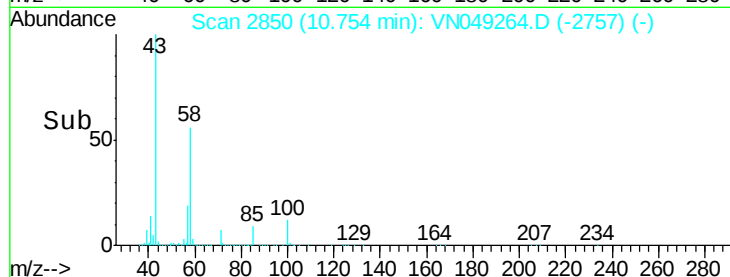
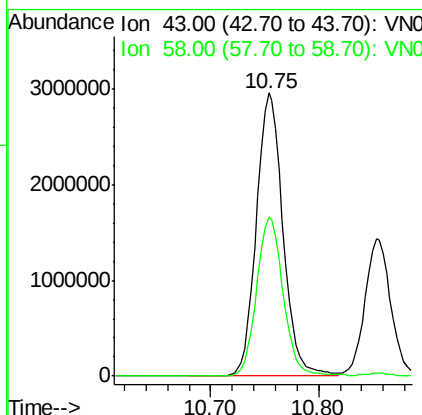
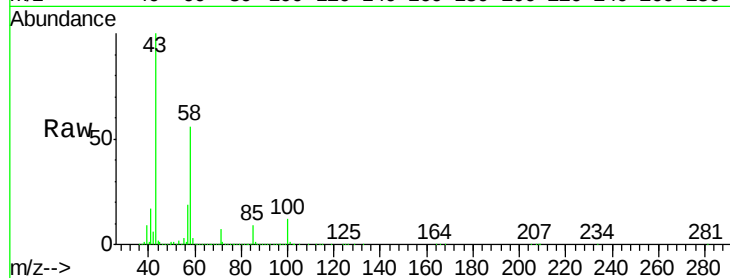
#59
2-Hexanone
Concen: 451.55 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 5057779
Ion Ratio Lower Upper
43 100
58 56.3 25.2 75.6

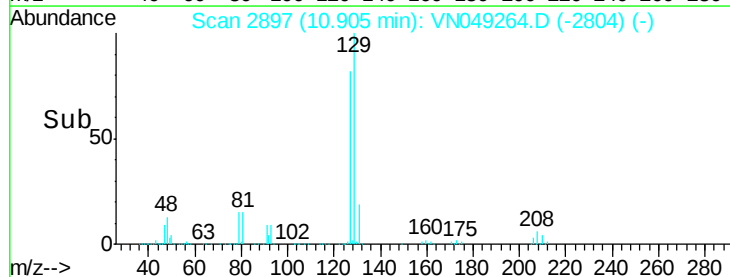
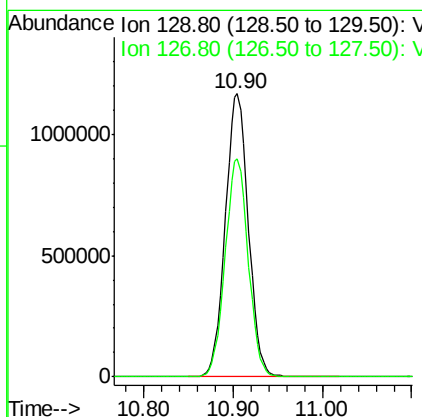
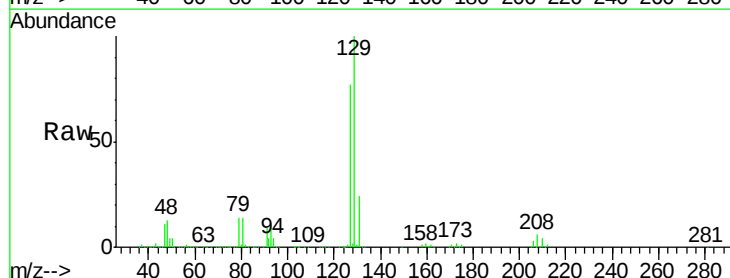
Manual Integrations
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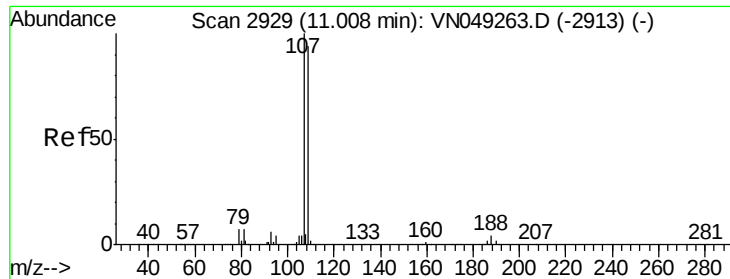
MMDadoda
6/18/2018 3:16:12 PM



#60
Dibromochloromethane
Concen: 99.83 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 129 Resp: 2082816
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 98.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 1721000

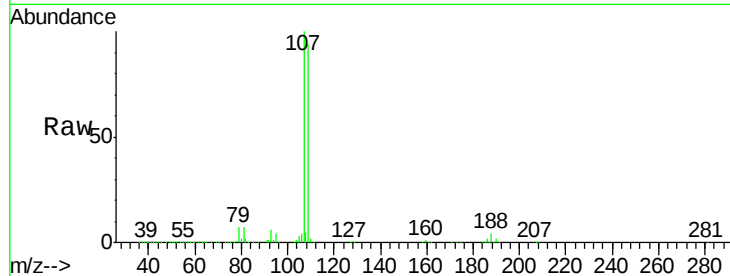
Ion Ratio Lower Upper

107 100

109 94.3 75.4 113.2

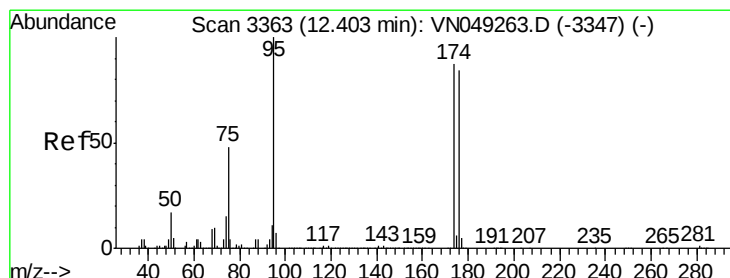
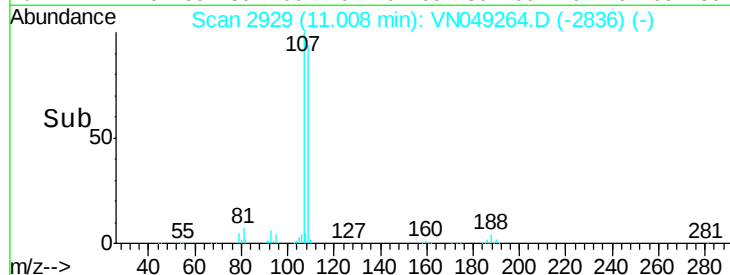
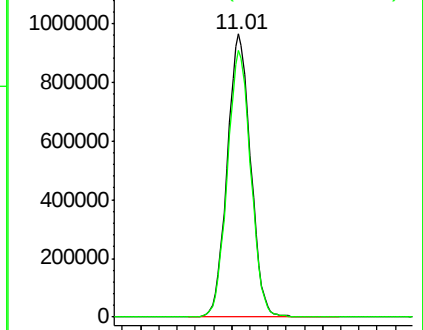
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

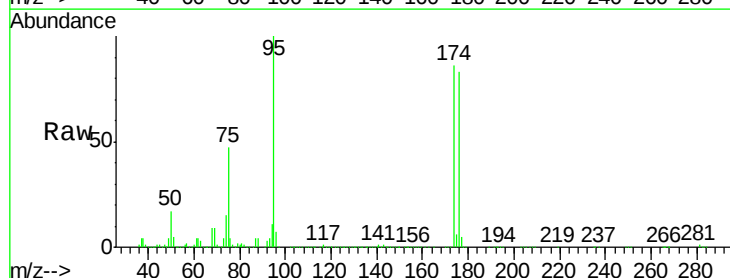
Tgt Ion: 95 Resp: 2547922

Ion Ratio Lower Upper

95 100

174 87.3 0.0 165.6

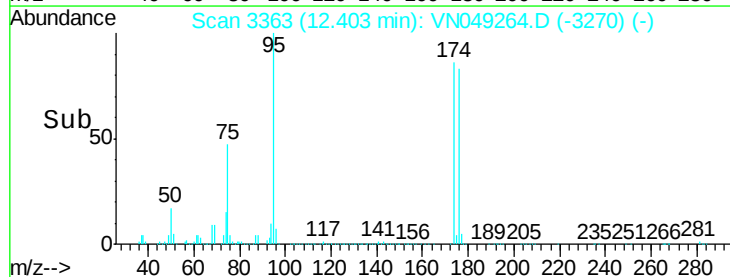
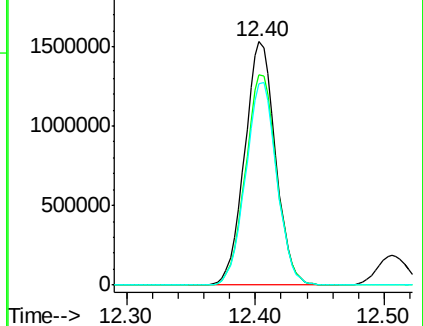
176 84.1 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





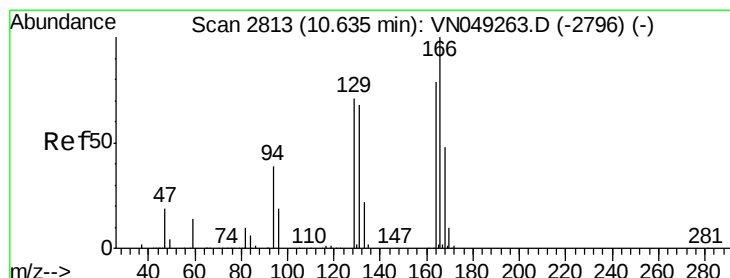
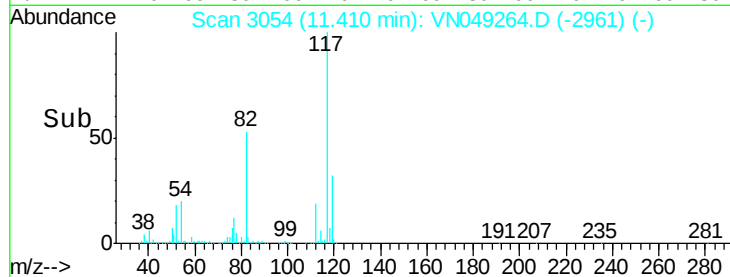
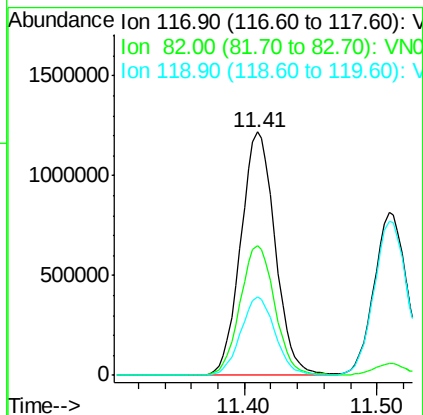
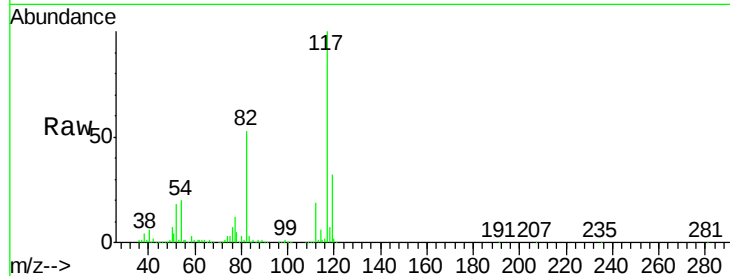
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	45.9	68.9
119	32.2	25.5	38.3

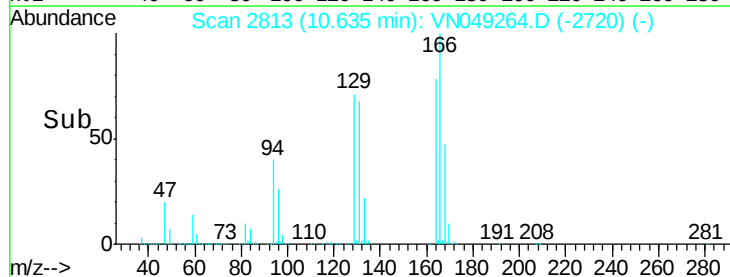
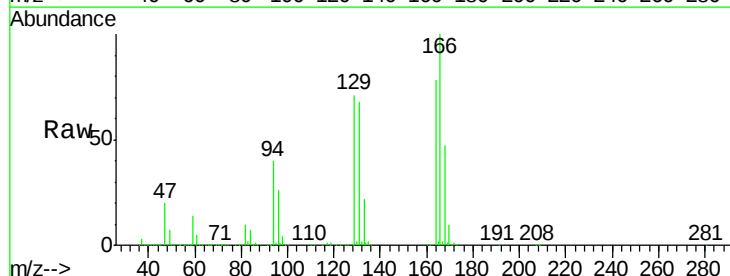
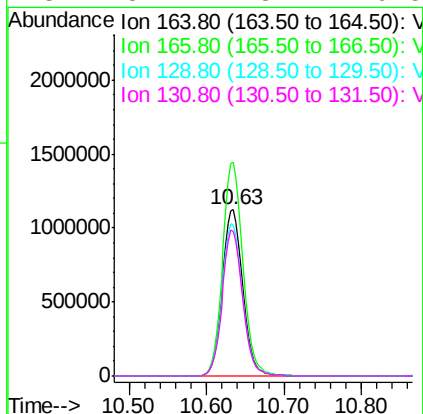
Manual Integrations
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#64
Tetrachloroethene
Concen: 93.48 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	101.4	152.2
129	91.0	74.1	111.1
131	87.4	73.7	110.5





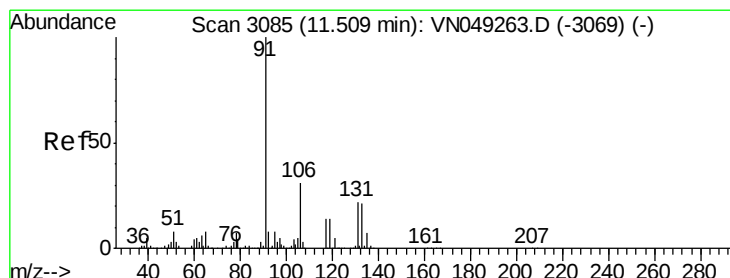
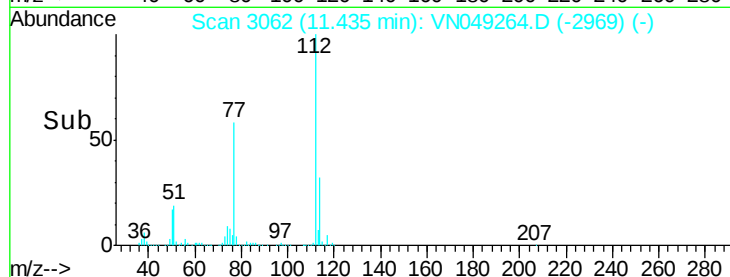
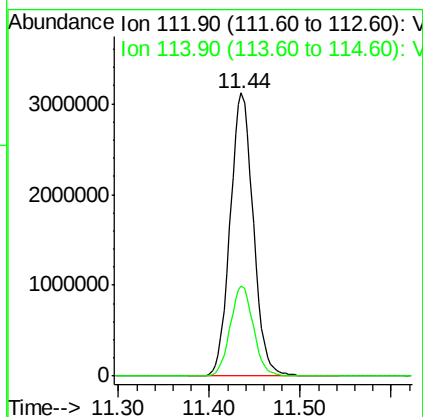
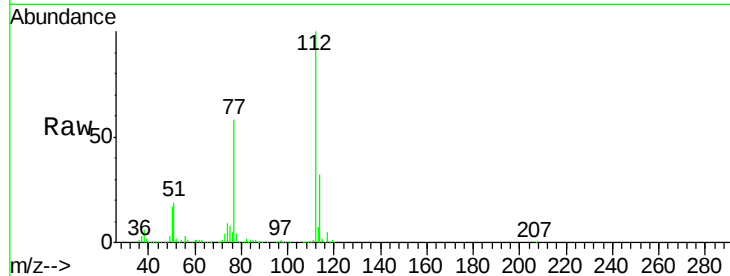
#65
Chlorobenzene
Concen: 96.65 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 5495832
Ion Ratio Lower Upper
112 100
114 32.1 26.2 39.4

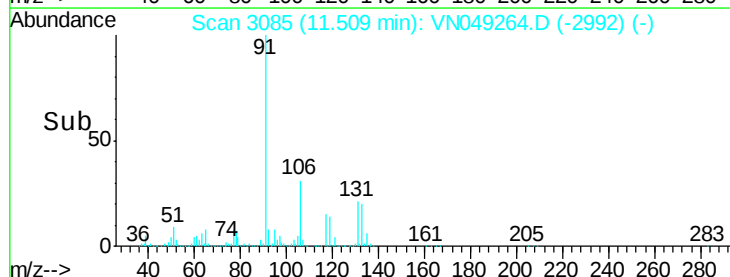
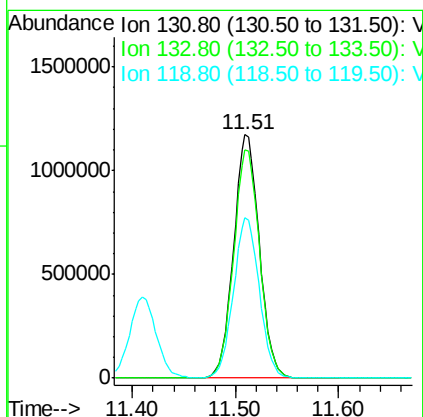
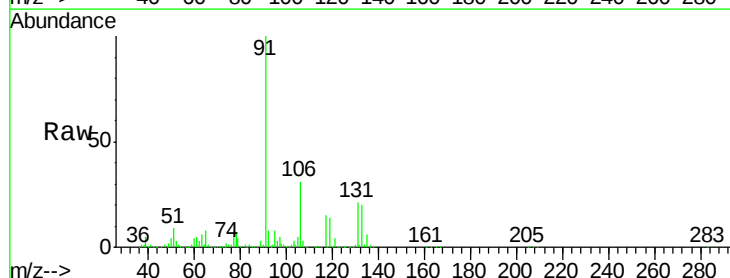
Manual Integrations
APPROVED

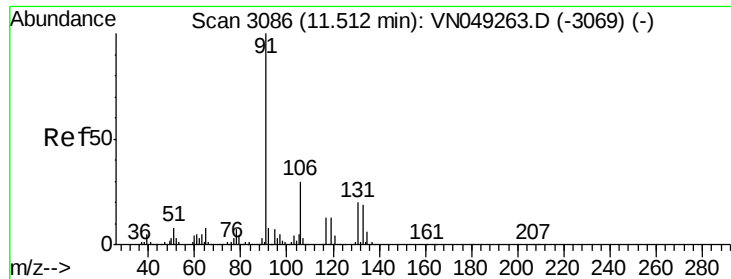
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#66
1,1,1,2-Tetrachloroethane
Concen: 94.11 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion:131 Resp: 2035593
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 66.5 33.6 100.8





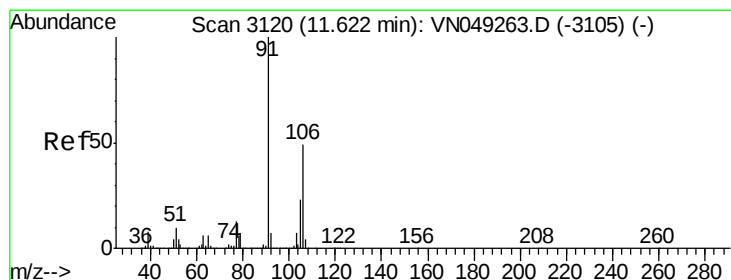
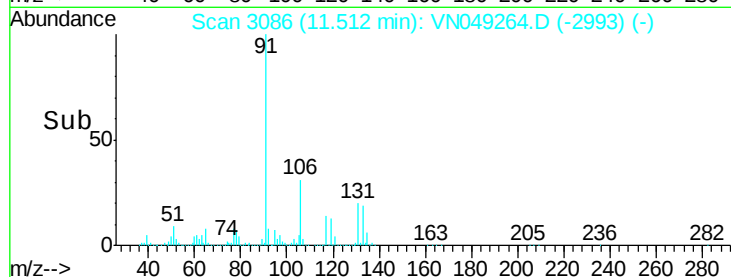
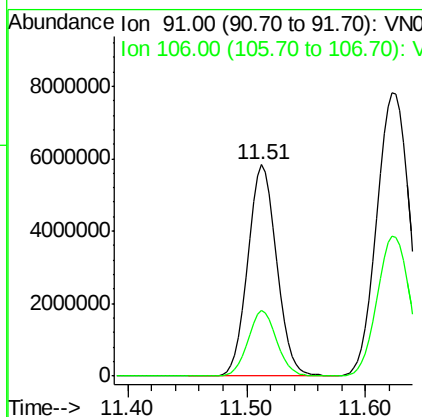
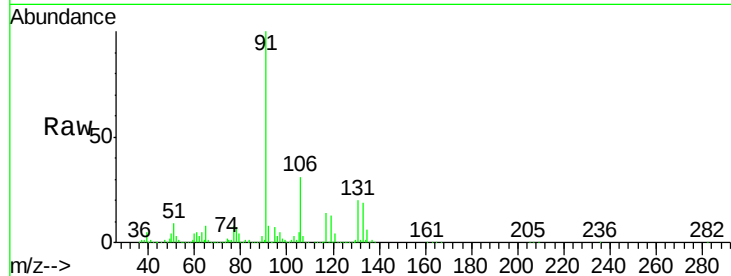
#67
Ethyl Benzene
Concen: 99.94 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 9803819
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9

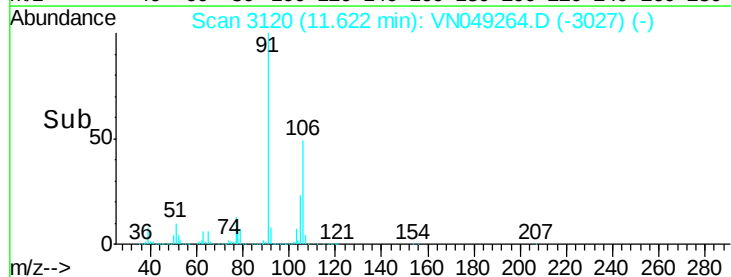
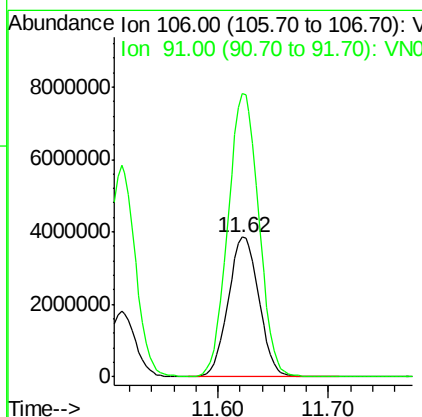
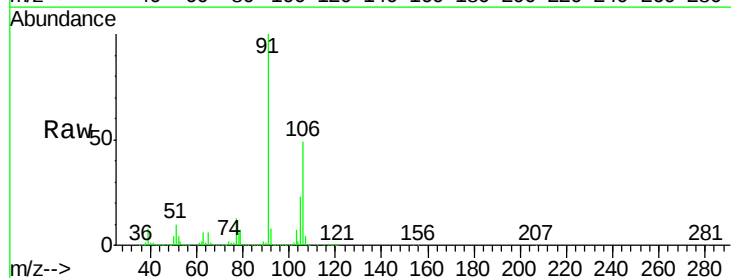
Manual Integrations
APPROVED

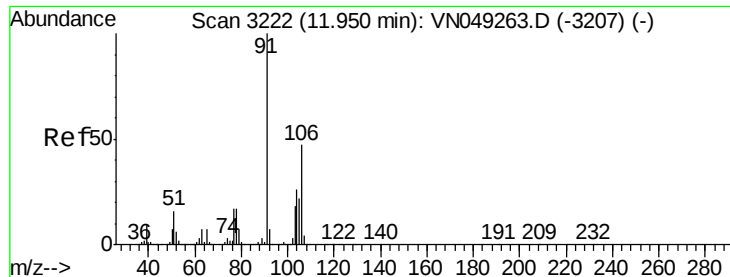
MMDadoda
6/18/2018 3:16:12 PM



#68
m/p-Xylenes
Concen: 207.90 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 106 Resp: 7458109
Ion Ratio Lower Upper
106 100
91 203.5 167.3 250.9





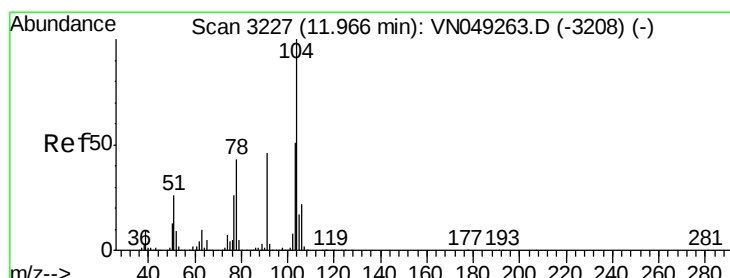
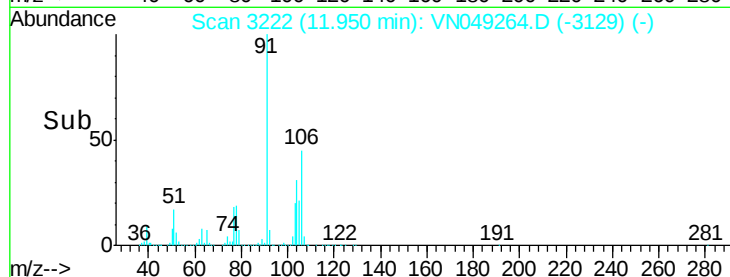
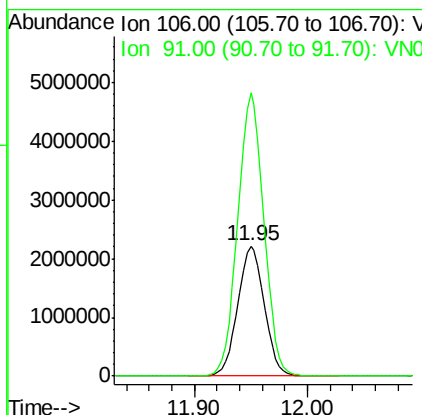
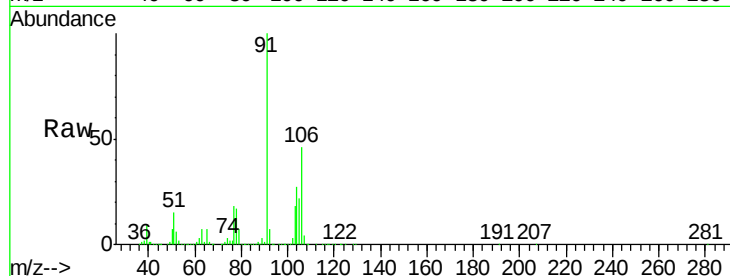
#69
o-Xylene
Concen: 104.46 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 3608923
Ion Ratio Lower Upper
106 100
91 215.2 111.0 333.0

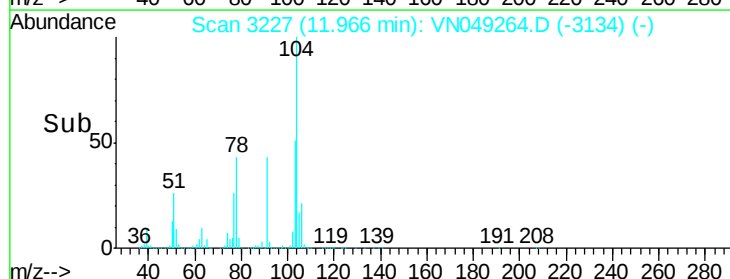
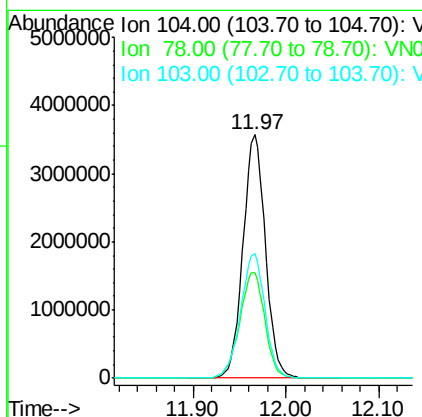
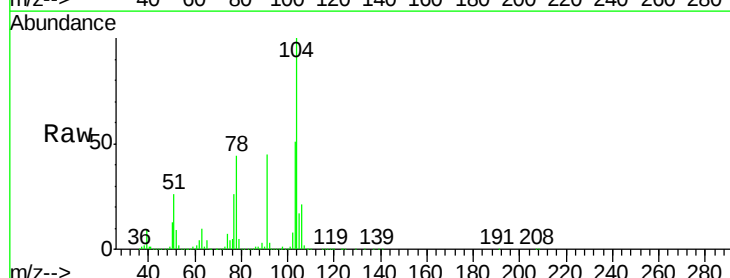
Manual Integrations
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#70
Styrene
Concen: 109.47 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion:104 Resp: 5987288
Ion Ratio Lower Upper
104 100
78 48.5 41.6 62.4
103 55.6 45.4 68.2





#71

Bromoform

Concen: 104.88 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 1417785

Ion Ratio Lower Upper

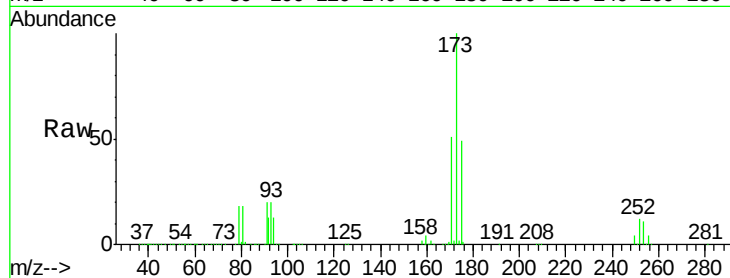
173 100

175 48.5 24.5 73.5

254 0.1 0.1 0.1#

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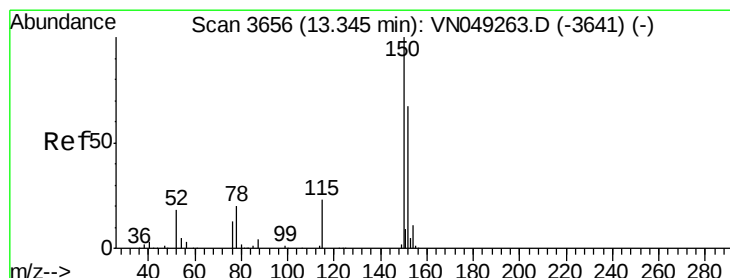
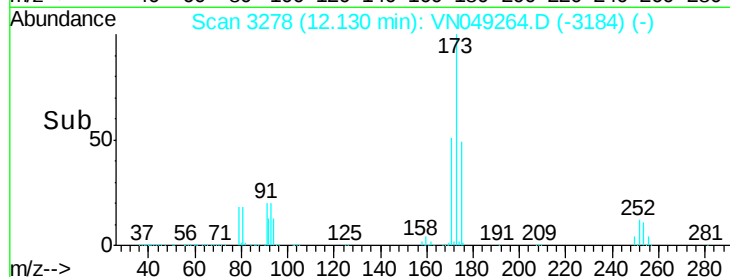
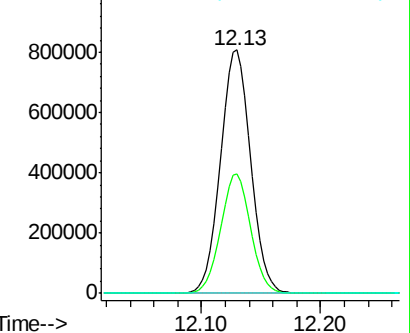
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049264.D

Acq: 15 Jun 2018 15:44

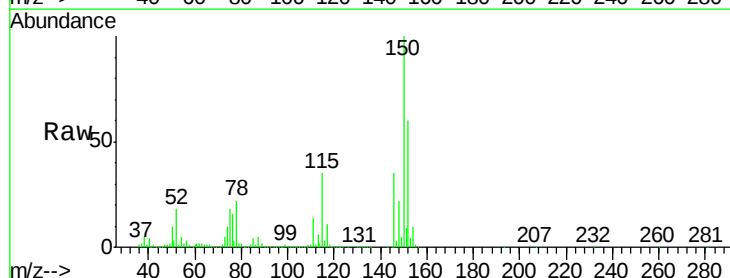
Tgt Ion:152 Resp: 1179756

Ion Ratio Lower Upper

152 100

115 57.1 28.7 86.1

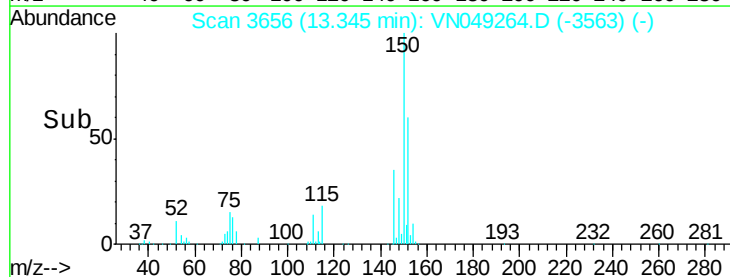
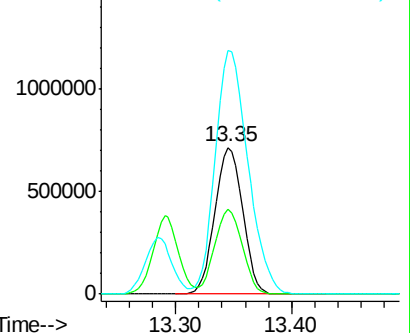
150 196.1 0.0 351.0

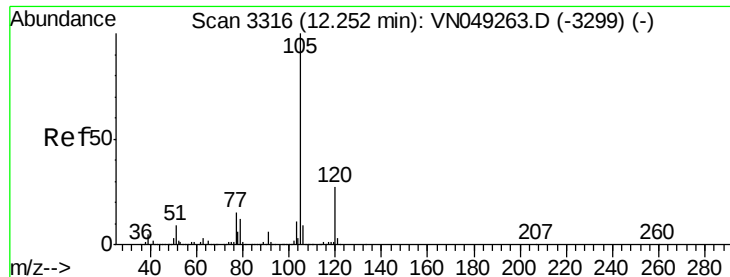


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 84.69 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 9596946

Ion Ratio Lower Upper

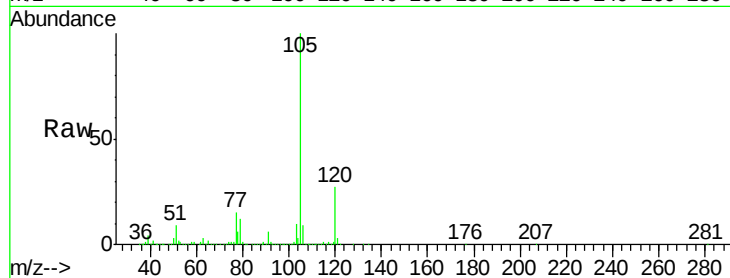
105 100

120 26.7 12.8 38.3

Manual Integrations
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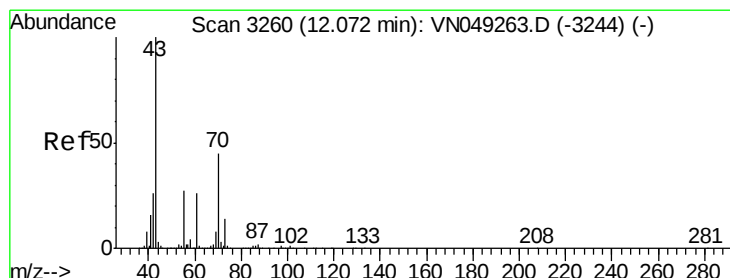
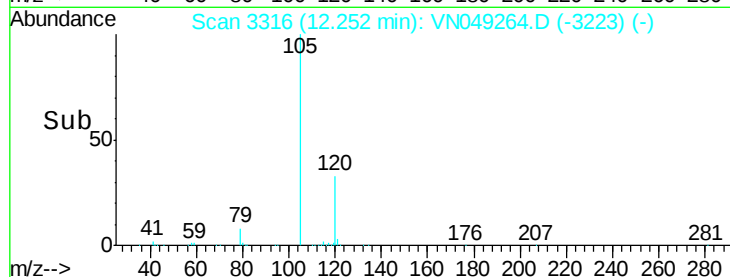
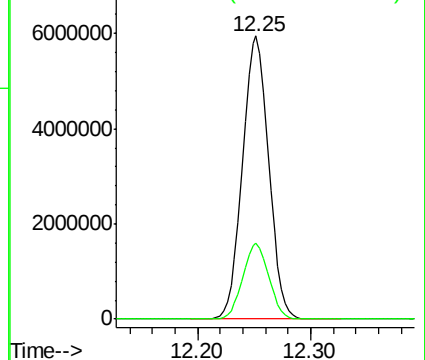
MMDadoda

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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: 78.85 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tgt Ion: 43 Resp: 2545314

Ion Ratio Lower Upper

43 100

70 44.3 30.3 45.5

55 25.7 19.4 29.2

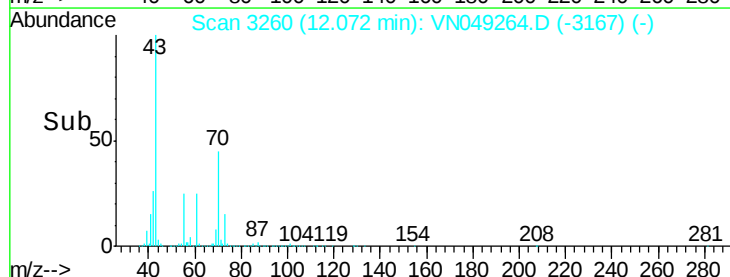
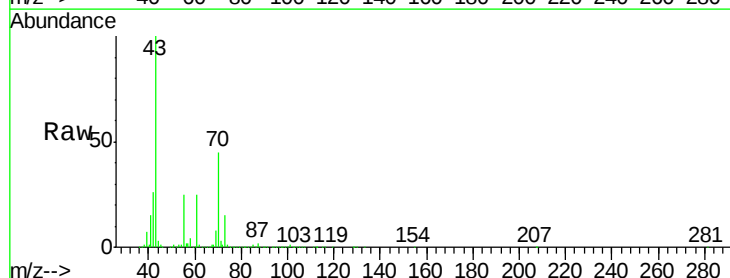
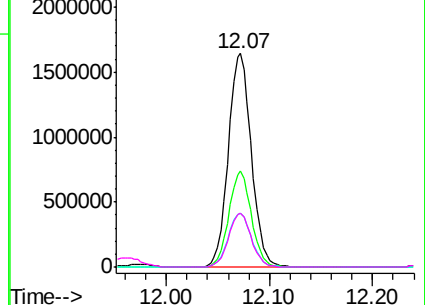
61 25.1 17.8 26.6

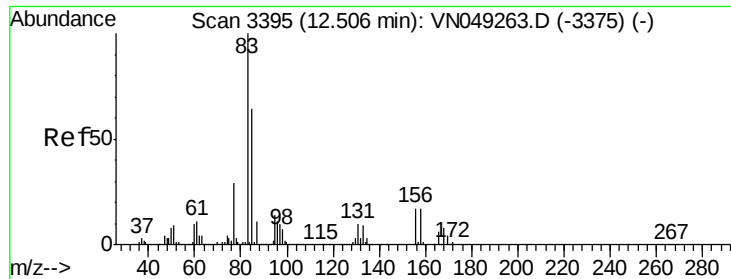
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 73.03 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 2112012

Ion Ratio Lower Upper

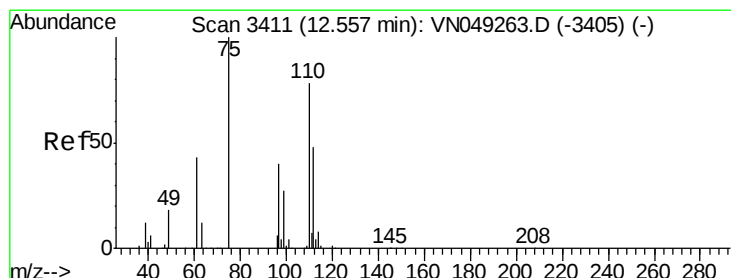
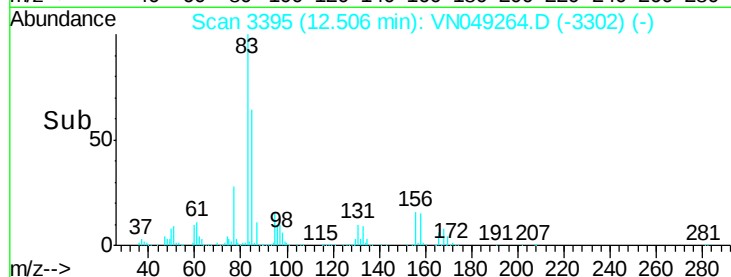
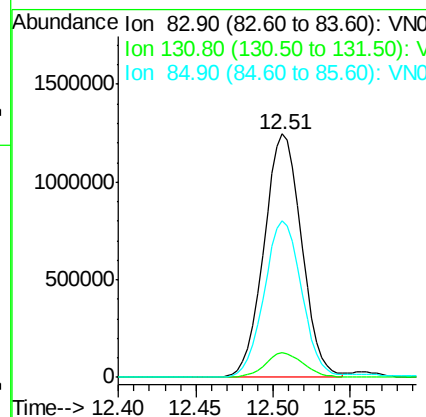
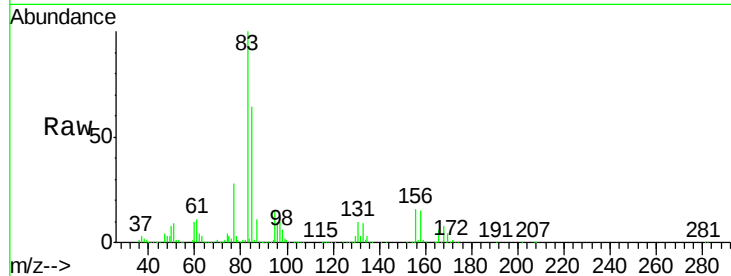
83 100

131 10.3 5.0 15.0

85 64.3 32.0 96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 81.79 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN049264.D

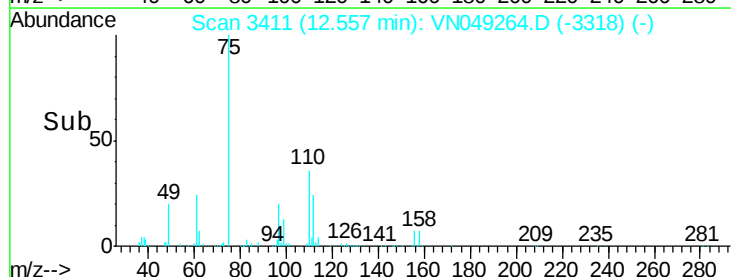
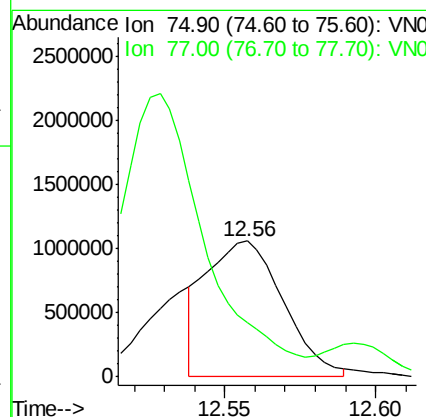
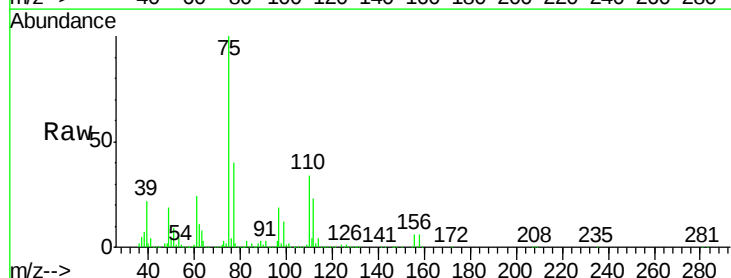
Acq: 15 Jun 2018 15:44

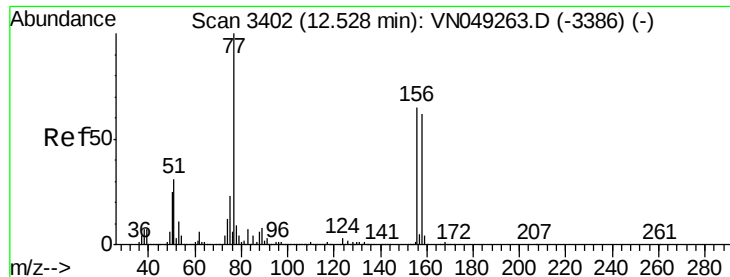
Tgt Ion: 75 Resp: 1882649

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 86.39 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 2402502

Ion Ratio Lower Upper

156 100

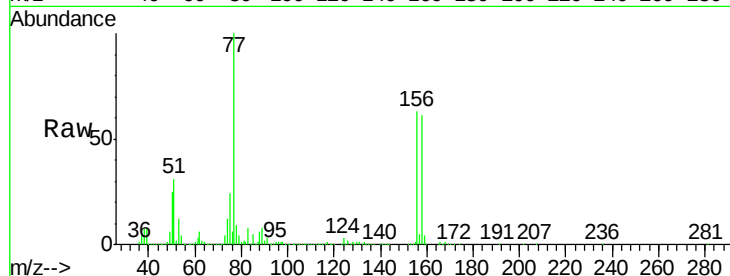
77 182.9 100.8 302.4

158 97.2 49.3 147.9

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

3000000

2500000

2000000

1500000

1000000

500000

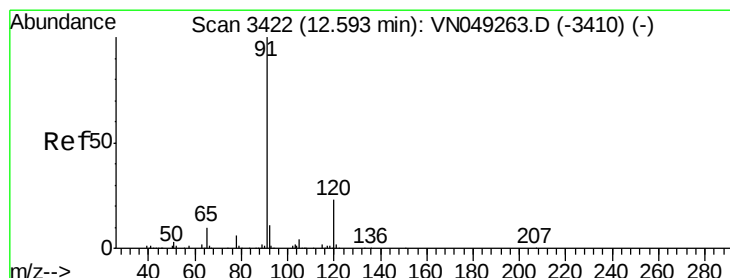
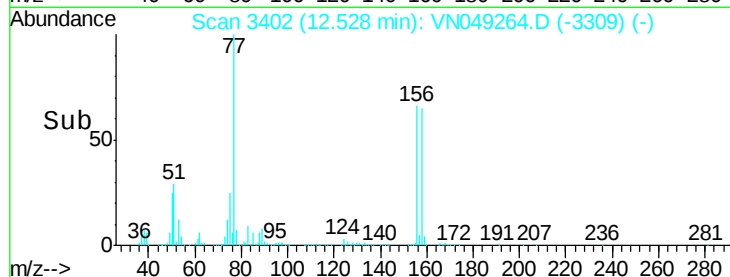
0

12.53

12.50

12.60

Time-->



#78

n-propylbenzene

Concen: 88.39 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049264.D

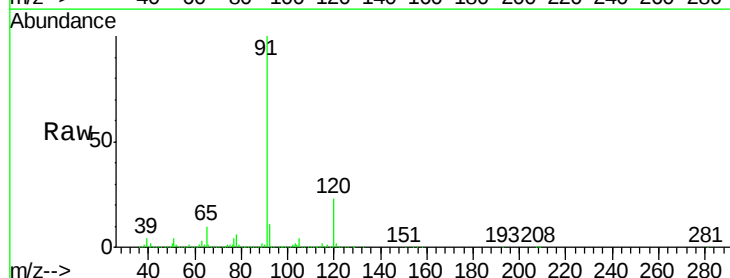
Acq: 15 Jun 2018 15:44

Tgt Ion: 91 Resp:11126718

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

8000000

6000000

4000000

2000000

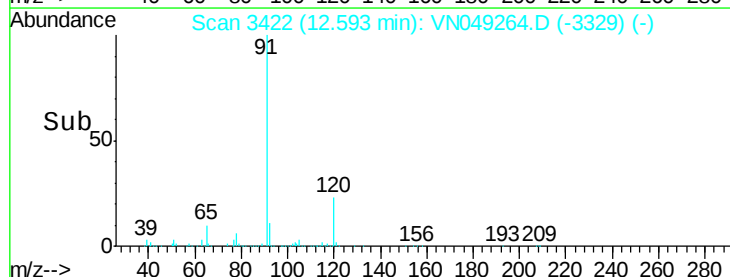
0

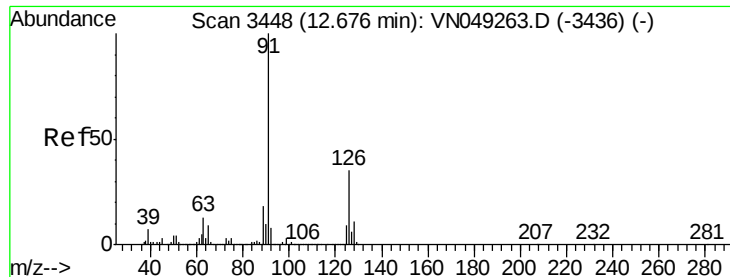
12.59

12.55

12.65

Time-->





#79

2-Chlorotoluene

Concen: 82.88 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 6579817

Ion Ratio Lower Upper

91 100

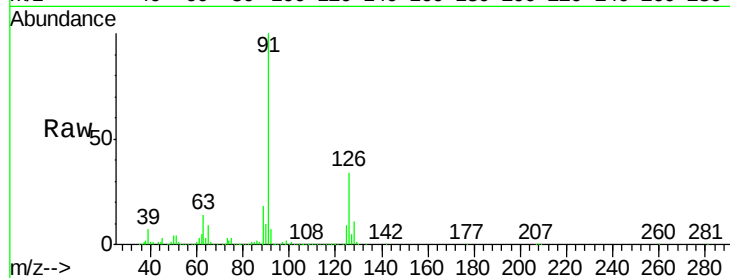
126 34.7 16.6 49.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

8000000

6000000

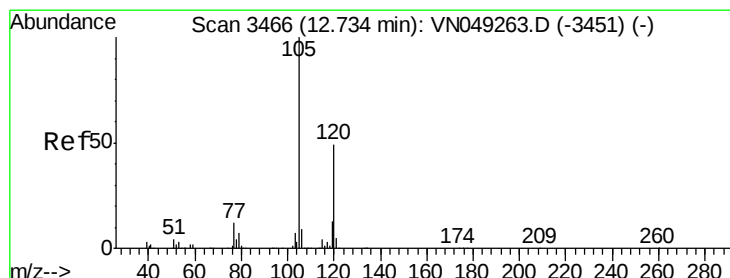
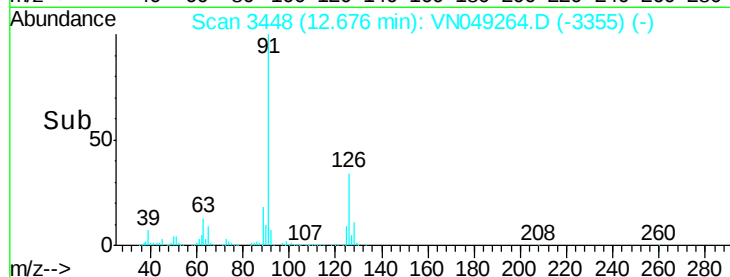
4000000

2000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 91.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049264.D

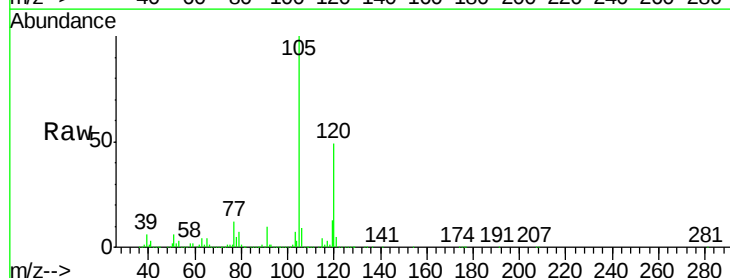
Acq: 15 Jun 2018 15:44

Tgt Ion:105 Resp: 7930444

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

6000000

5000000

4000000

3000000

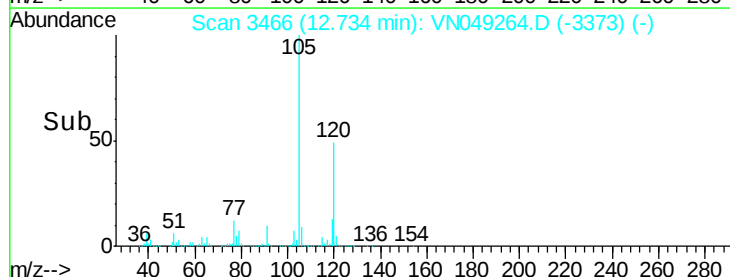
2000000

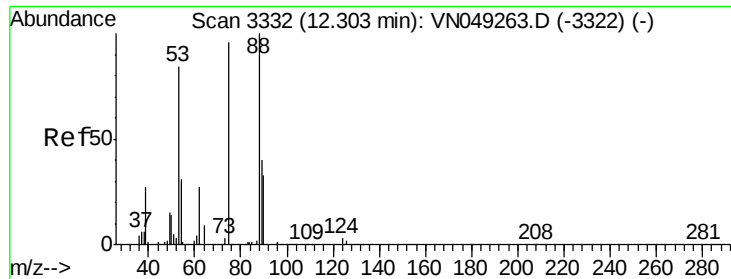
1000000

0

12.70 12.75

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 88.88 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

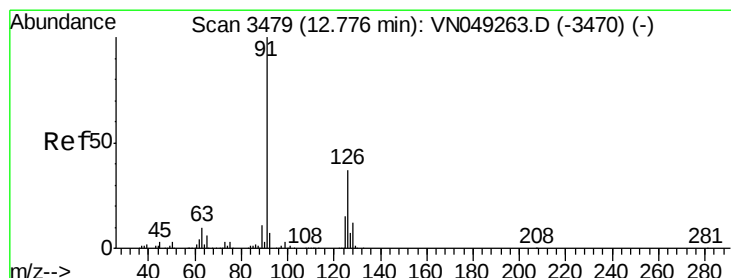
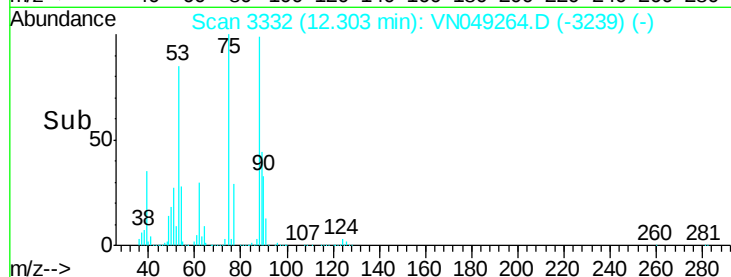
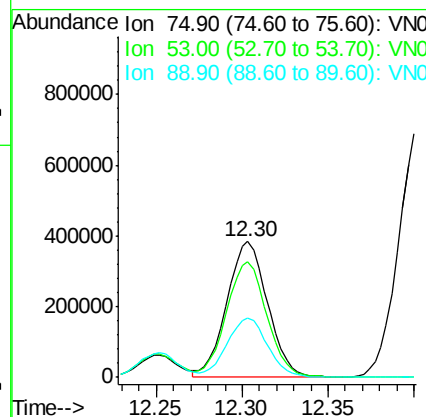
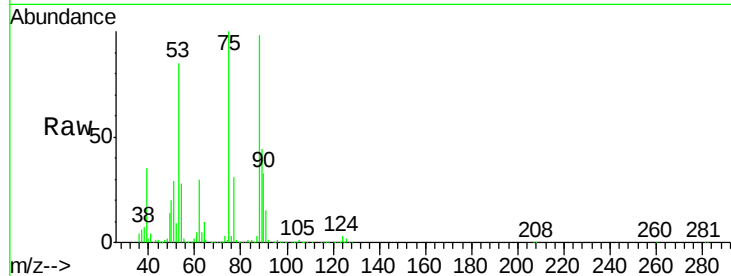
VSTDIC100

Tot Ion: 75 Resp: 627630

Ion	Ratio	Lower	Upper
75	100		
53	85.8	82.7	124.1
89	44.2	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 89.03 ug/l

RT: 12.78 min Scan# 3479

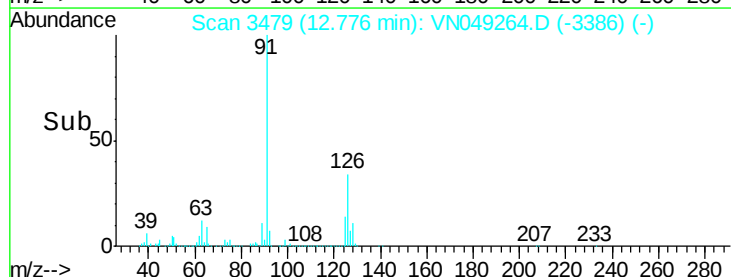
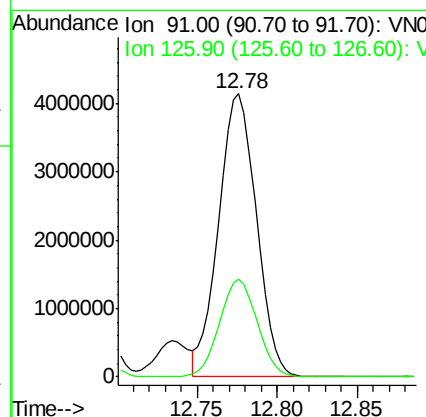
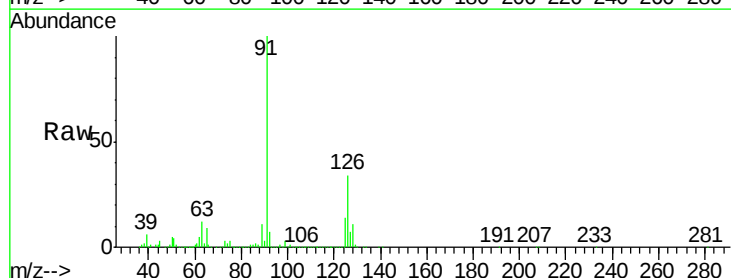
Delta R.T. -0.00 min

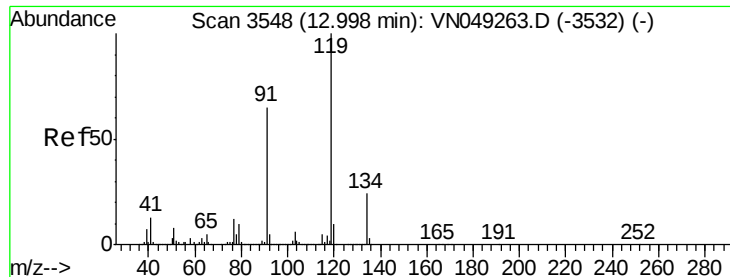
Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Tgt Ion: 91 Resp: 6704558

Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.4	49.1





#83

tert-Butylbenzene

Concen: 90.36 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 6763306

Ion Ratio Lower Upper

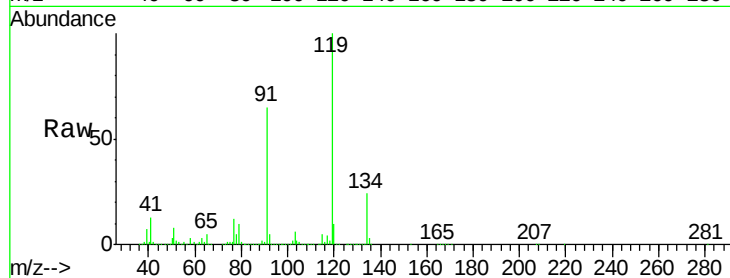
119 100

91 64.0 33.7 101.0

134 26.0 12.9 38.6

Manual Integrations
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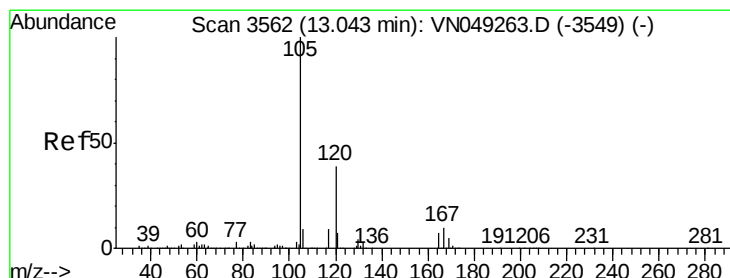
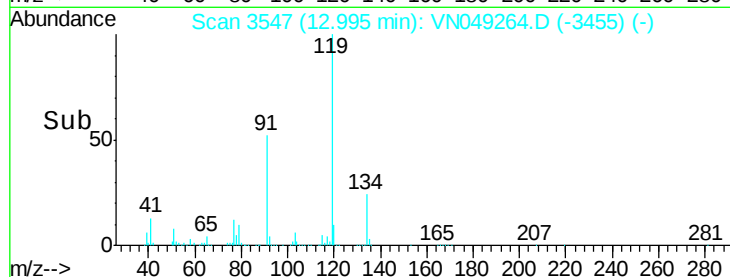
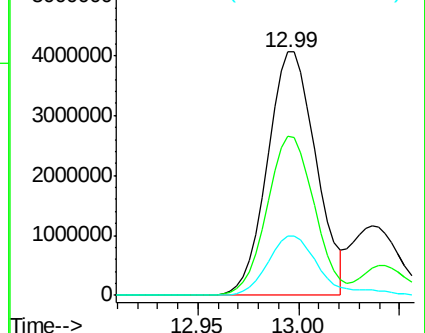
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 93.55 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.00 min

Lab File: VN049264.D

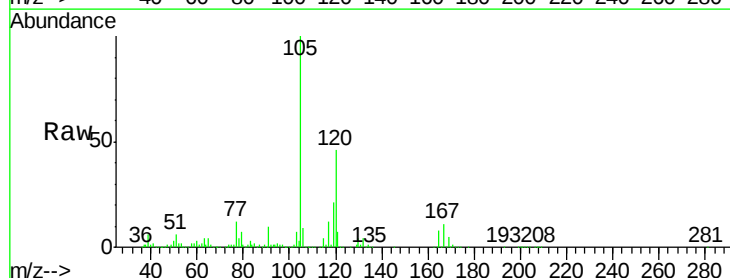
Acq: 15 Jun 2018 15:44

Tgt Ion:105 Resp: 8079015

Ion Ratio Lower Upper

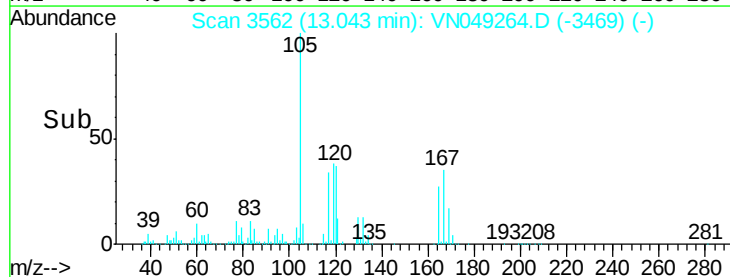
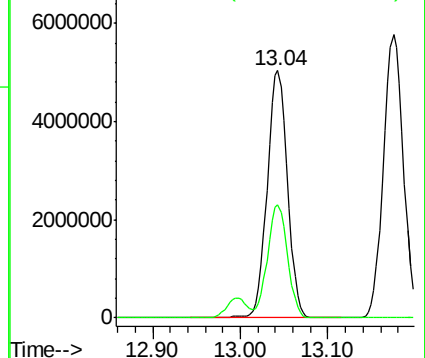
105 100

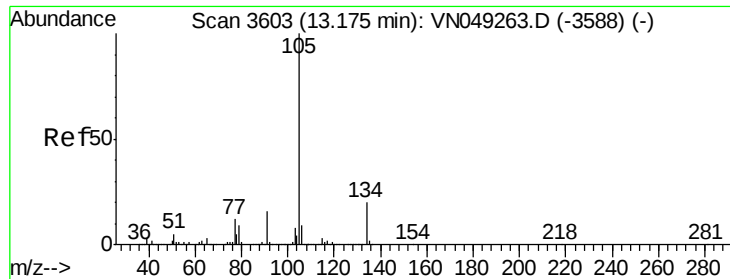
120 45.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 91.34 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 9114360

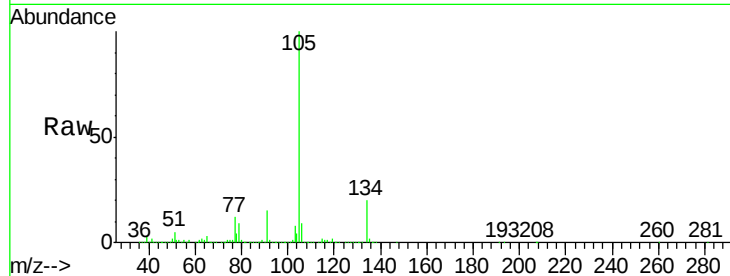
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

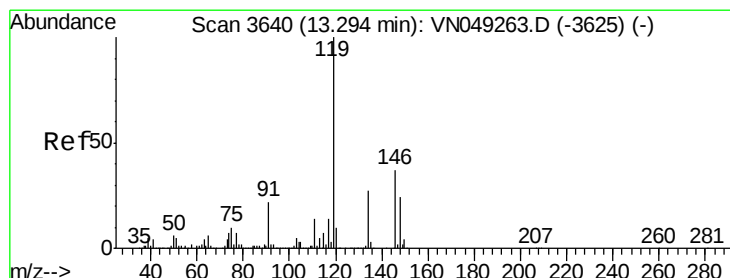
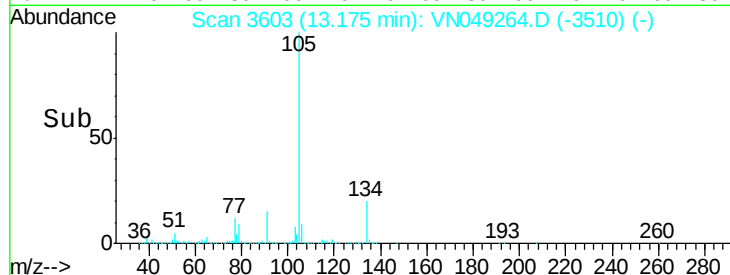
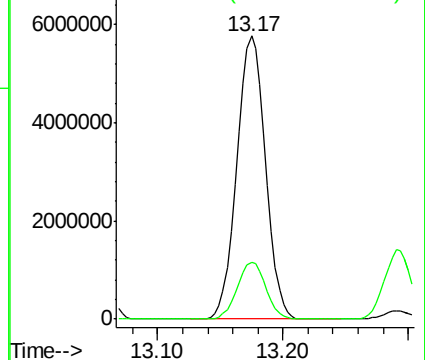
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 99.56 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

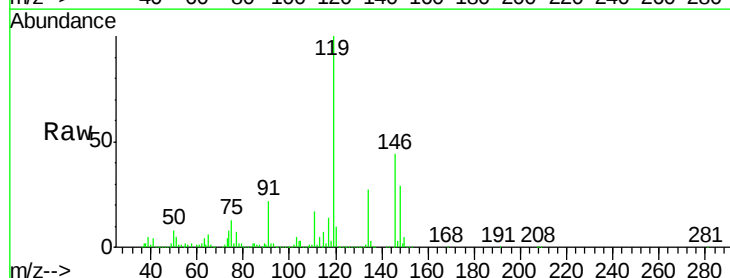
Tgt Ion:119 Resp: 8045382

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

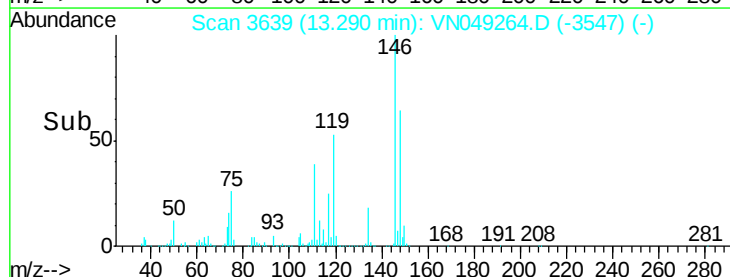
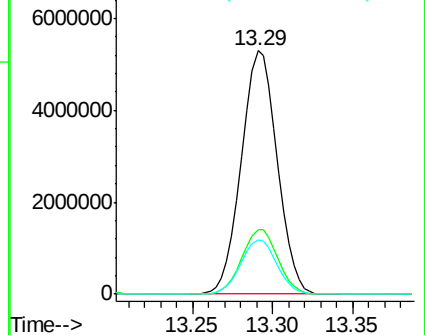
91 22.3 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





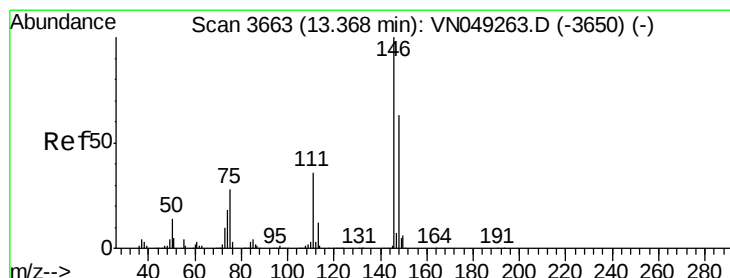
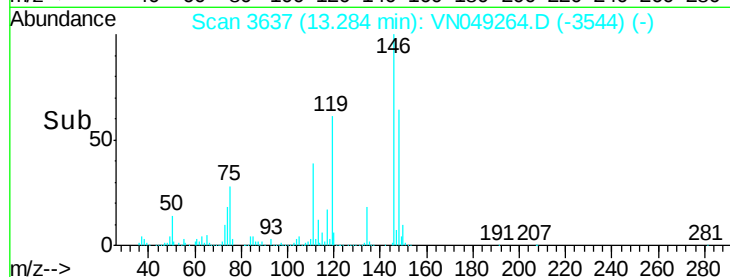
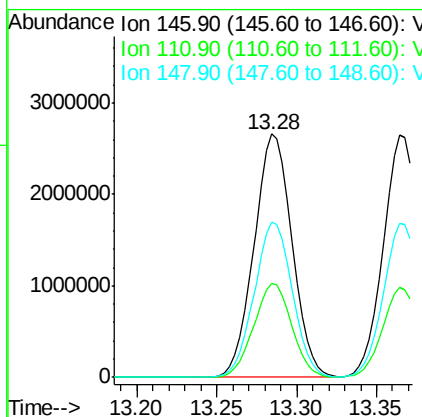
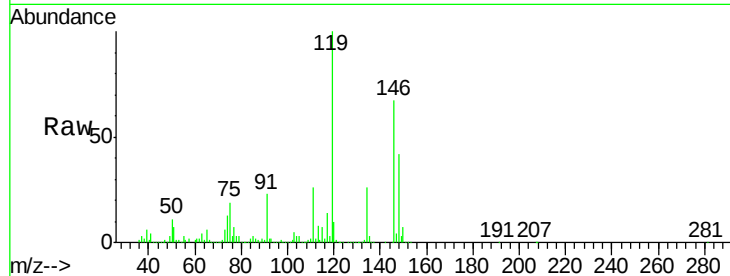
#87
 1,3-Dichlorobenzene
 Concen: 97.97 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 4343216
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.9 59.6
 148 64.0 32.1 96.5

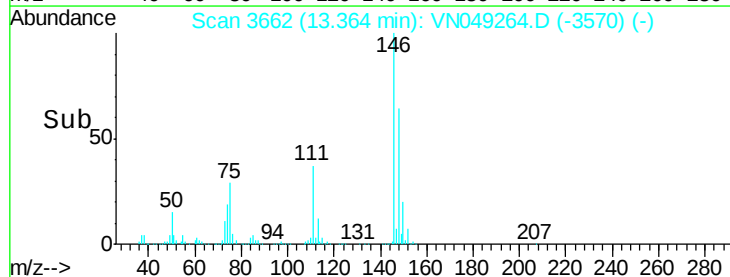
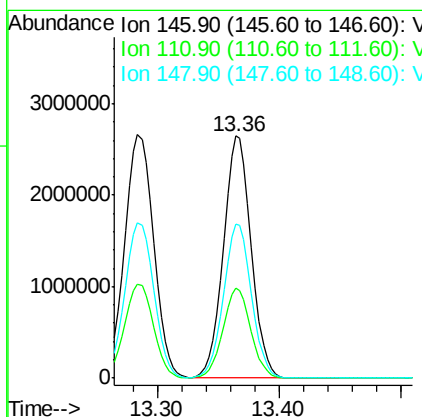
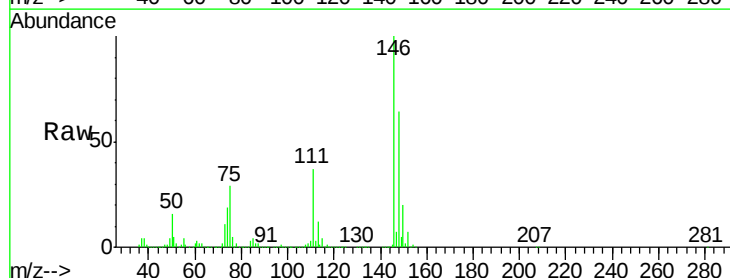
Manual Integrations
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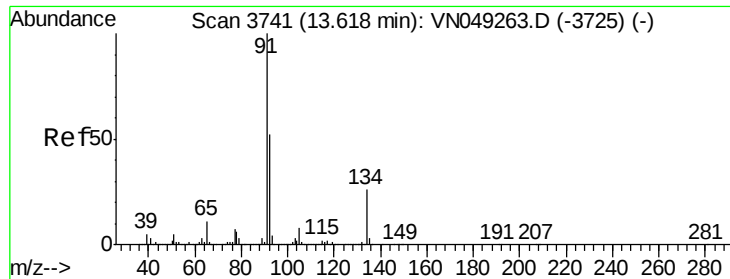
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#88
 1,4-Dichlorobenzene
 Concen: 96.57 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion:146 Resp: 4216380
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.1 57.1
 148 64.3 32.0 96.2





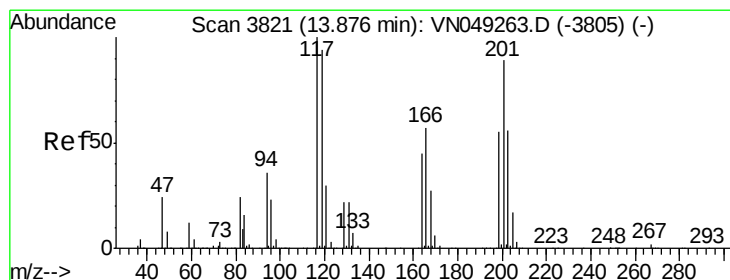
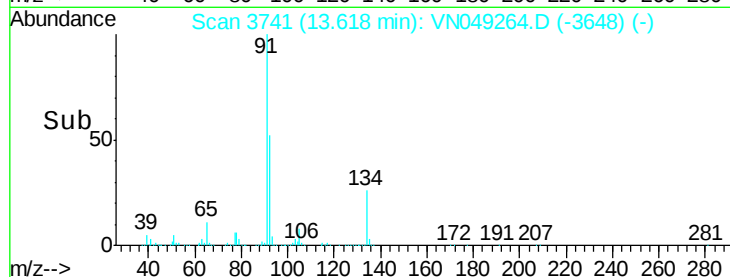
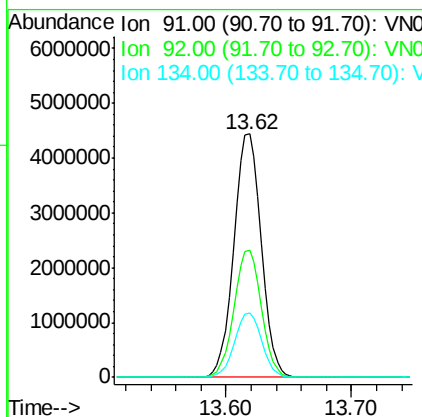
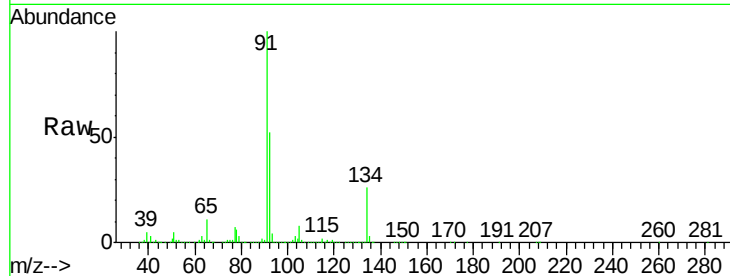
#89
n-Butylbenzene
Concen: 107.74 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 6721630
Ion Ratio Lower Upper
91 100
92 52.0 25.1 75.4
134 26.3 12.0 36.0

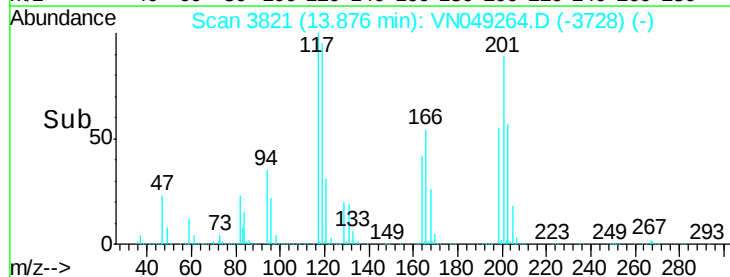
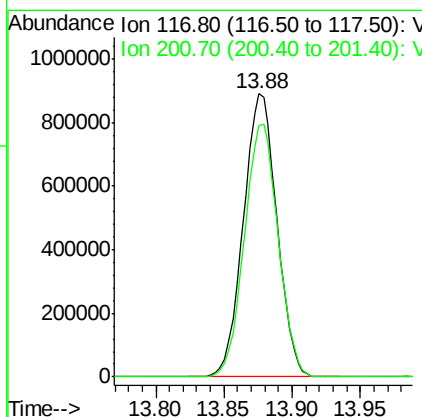
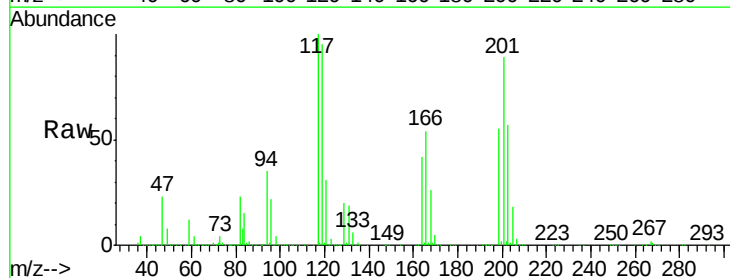
Manual Integrations
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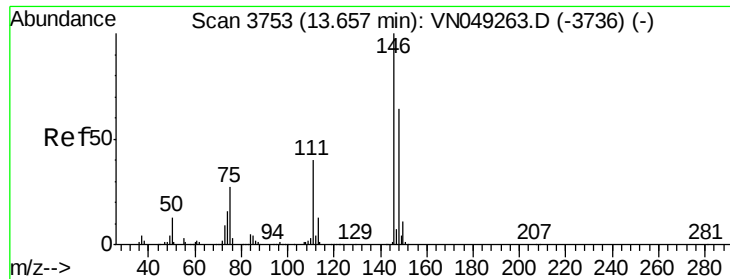
MMDadoda
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#90
Hexachloroethane
Concen: 79.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049264.D
Acq: 15 Jun 2018 15:44

Tgt Ion: 117 Resp: 1517594
Ion Ratio Lower Upper
117 100
201 89.9 40.1 120.2





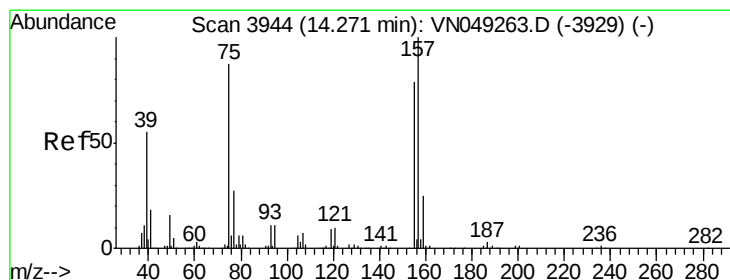
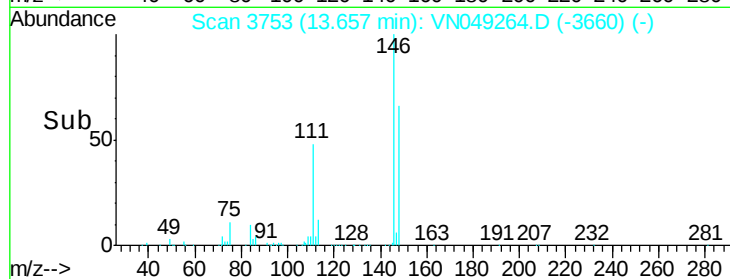
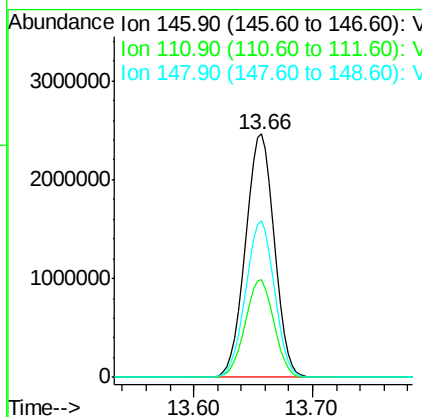
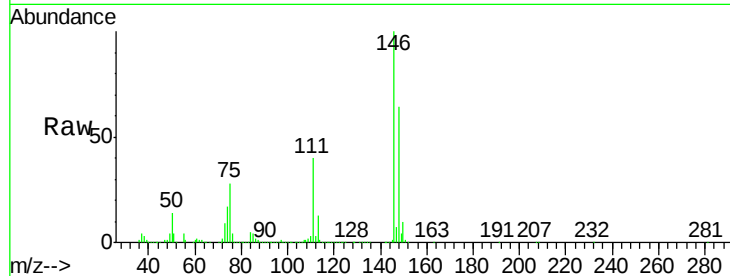
#91
 1,2-Dichlorobenzene
 Concen: 94.80 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 4134128
 Ion Ratio Lower Upper
 146 100
 111 40.0 20.8 62.2
 148 64.1 32.0 96.2

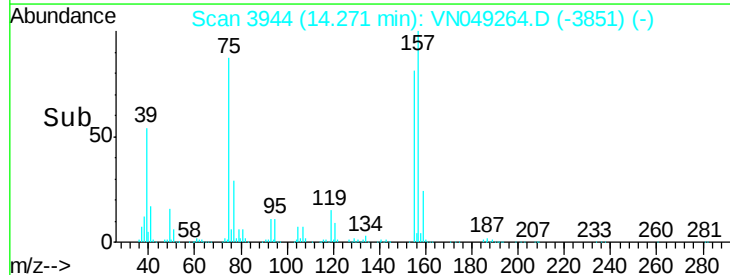
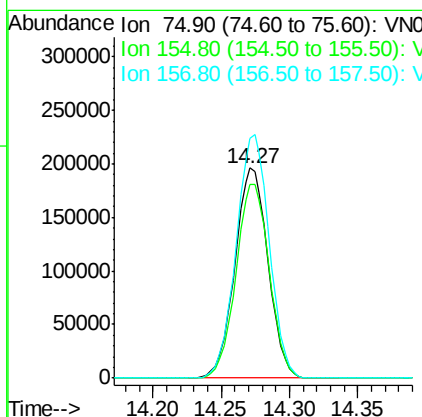
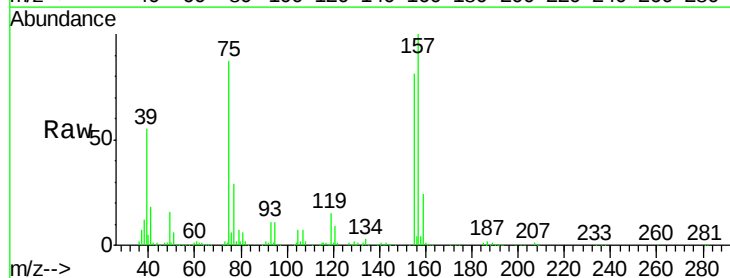
Manual Integrations
 APPROVED

MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 83.85 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion: 75 Resp: 330482
 Ion Ratio Lower Upper
 75 100
 155 92.6 38.8 116.3
 157 115.7 51.0 153.1





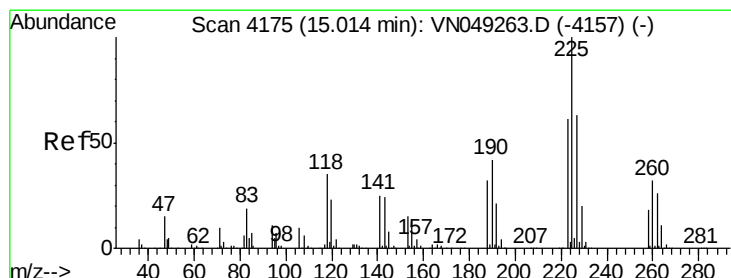
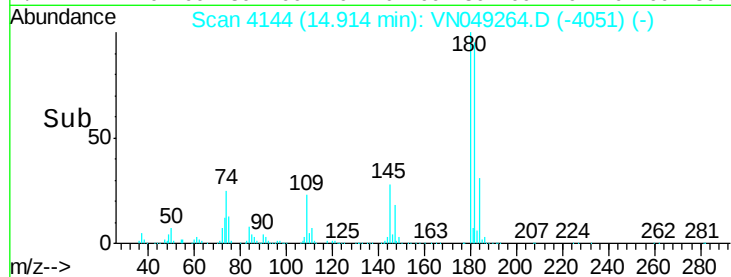
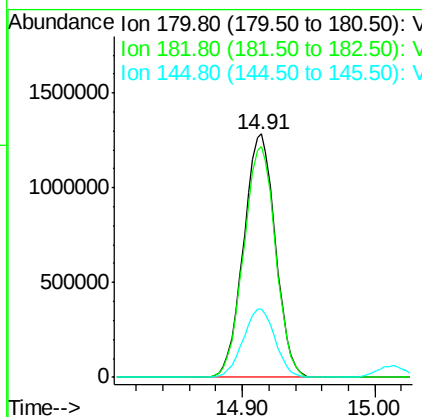
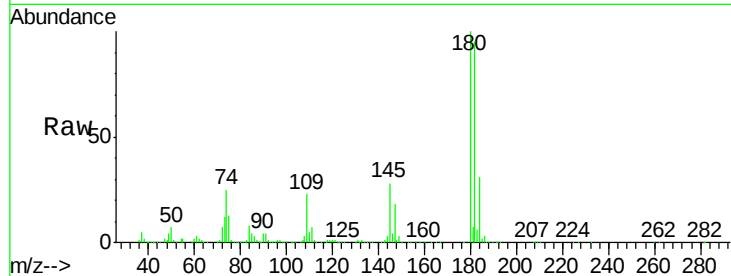
#93
 1,2,4-Trichlorobenzene
 Concen: 132.90 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.9	140.8
145	28.3	14.7	44.1

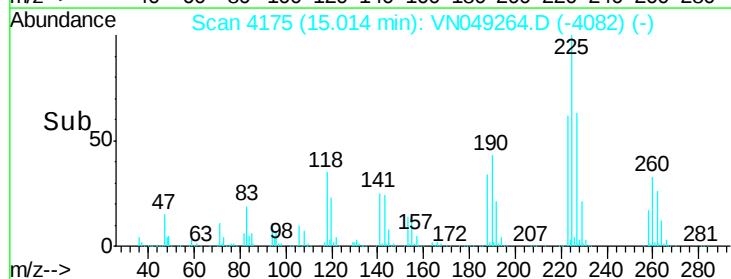
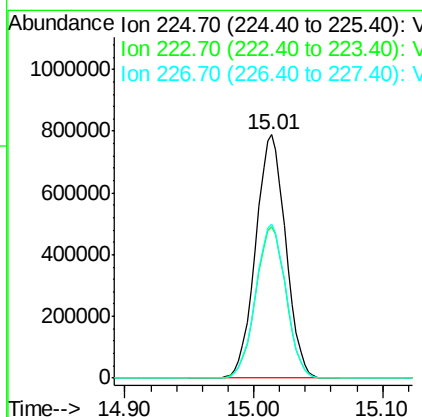
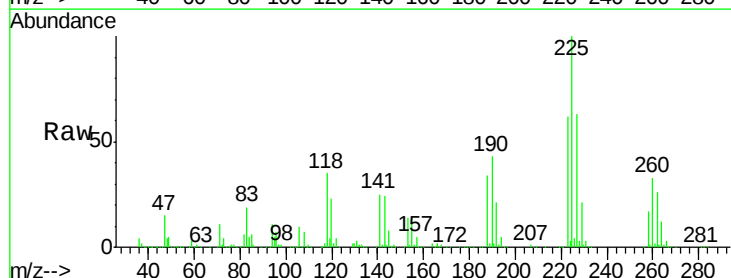
Manual Integrations
 APPROVED

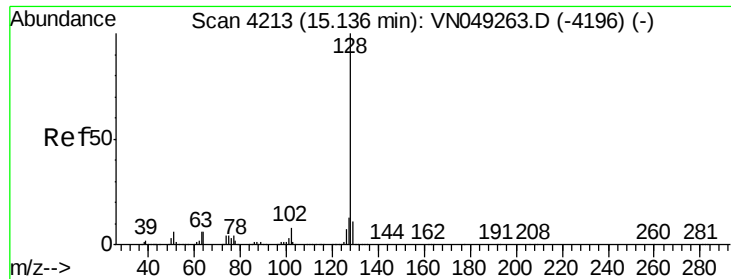
MMDadoda
 6/18/2018 3:16:12 PM



#94
 Hexachlorobutadiene
 Concen: 97.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. -0.00 min
 Lab File: VN049264.D
 Acq: 15 Jun 2018 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.1	96.3
227	63.9	31.8	95.3





#95

Naphthalene

Concen: 124.24 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 4328823

Ion Ratio Lower Upper

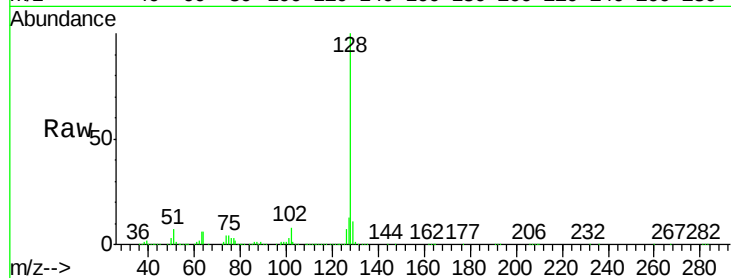
128 100

127 12.9 10.6 16.0

129 10.7 8.5 12.7

Manual Integrations
APPROVED

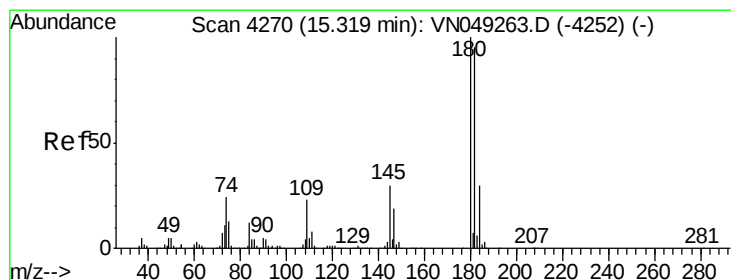
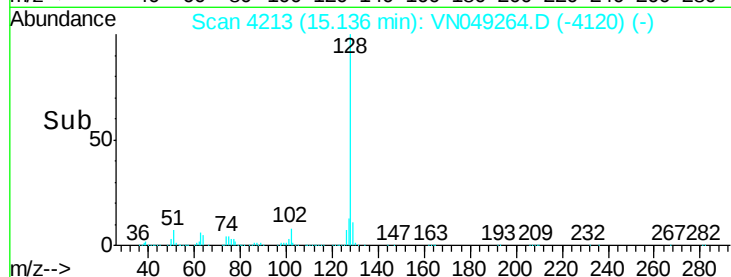
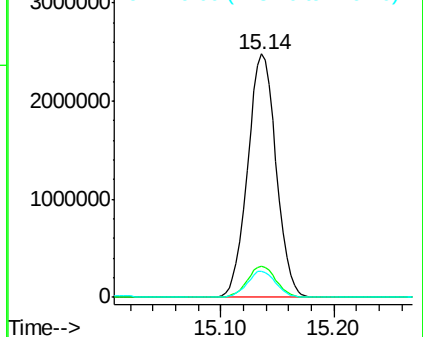
MMDadoda
6/18/2018 3:16:12 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 119.68 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049264.D

Acq: 15 Jun 2018 15:44

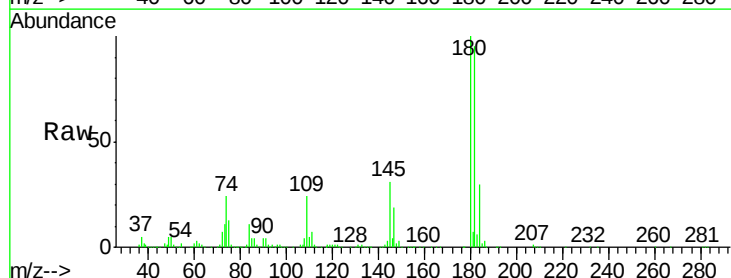
Tgt Ion:180 Resp: 2061055

Ion Ratio Lower Upper

180 100

182 95.4 47.3 141.8

145 30.7 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

