

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054766.D
 Acq On : 29 Mar 2019 13:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:23 PM

Quant Time: Mar 30 00:40:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:11:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	431142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	709132	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	222415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	30042	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
35) Dibromofluoromethane	7.60	113	23915	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
50) Toluene-d8	10.09	98	85237	4.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.70%	
62) 4-Bromofluorobenzene	12.40	95	28168	4.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	25615	5.874	ug/l	99
3) Chloromethane	2.06	50	35072	5.816	ug/l	99
4) Vinyl Chloride	2.19	62	31191	5.760	ug/l	95
5) Bromomethane	2.57	94	20490	6.264	ug/l	100
6) Chloroethane	2.71	64	16273	5.382	ug/l	98
7) Trichlorofluoromethane	3.02	101	38076	5.719	ug/l	88
8) Diethyl Ether	3.42	74	11440	5.337	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.75	101	19888	6.043	ug/l	93
10) Methyl Iodide	3.94	142	21469	4.475	ug/l	92
11) Tert butyl alcohol	4.81	59	8186m	26.765	ug/l	
12) 1,1-Dichloroethene	3.74	96	19190	5.662	ug/l #	83
13) Acrolein	3.61	56	6719	24.820	ug/l	93
14) Allyl chloride	4.32	41	42683	5.161	ug/l #	92
15) Acrylonitrile	5.00	53	45754	27.184	ug/l	99
16) Acetone	3.82	43	38052	27.456	ug/l #	75
17) Carbon Disulfide	4.04	76	61248	5.572	ug/l	96
18) Methyl Acetate	4.33	43	21648	5.409	ug/l #	71
19) Methyl tert-butyl Ether	5.05	73	63593	5.364	ug/l	95
20) Methylene Chloride	4.55	84	27812	5.689	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	25218	5.665	ug/l	96
22) Diisopropyl ether	5.96	45	90191	5.463	ug/l #	95
23) Vinyl Acetate	5.90	43	295509	26.339	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	48402	5.496	ug/l	99
25) 2-Butanone	6.85	43	53547	26.137	ug/l	92
26) 2,2-Dichloropropane	6.82	77	32874	5.326	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	27021	5.373	ug/l	84
28) Bromochloromethane	7.19	49	24224	5.501	ug/l #	70
29) Tetrahydrofuran	7.22	42	39415	27.663	ug/l #	81
30) Chloroform	7.37	83	46072	5.486	ug/l	100
31) Cyclohexane	7.65	56	52631	5.193	ug/l #	86
32) 1,1,1-Trichloroethane	7.57	97	36822	5.291	ug/l	94
36) 1,1-Dichloropropene	7.79	75	34802	5.377	ug/l	96
37) Ethyl Acetate	6.94	43	24895	5.236	ug/l #	90
38) Carbon Tetrachloride	7.77	117	32689	5.093	ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Mar 30 00:40:27 2019
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	39596	5.451	ug/l #	84
40) Benzene	8.04	78	101763	5.382	ug/l	96
41) Methacrylonitrile	7.18	41	14433	5.302	ug/l #	75
42) 1,2-Dichloroethane	8.12	62	37430	5.544	ug/l	100
43) Isopropyl Acetate	8.17	43	41464	5.266	ug/l #	88
44) Trichloroethene	8.83	130	26846	5.470	ug/l	86
45) 1,2-Dichloropropane	9.12	63	29431	5.459	ug/l	93
46) Dibromomethane	9.21	93	15963	5.263	ug/l	89
47) Bromodichloromethane	9.40	83	32154	5.101	ug/l	98
48) Methyl methacrylate	9.20	41	20571	4.820	ug/l	90
49) 1,4-Dioxane	9.20	88	4707	111.150	ug/l #	75
51) 4-Methyl-2-Pentanone	9.99	43	114413	25.846	ug/l	92
52) Toluene	10.16	92	59550	5.293	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	27697	4.671	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	34733	4.904	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	22507	5.380	ug/l	92
56) Ethyl methacrylate	10.43	69	27632	5.035	ug/l #	79
57) 1,3-Dichloropropane	10.71	76	37710	5.243	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	48260	22.934	ug/l	89
59) 2-Hexanone	10.75	43	74046	26.130	ug/l	89
60) Dibromochloromethane	10.90	129	19931	4.703	ug/l	98
61) 1,2-Dibromoethane	11.00	107	20890	5.225	ug/l	97
64) Tetrachloroethene	10.63	164	25479	5.537	ug/l	97
65) Chlorobenzene	11.43	112	63361	5.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	22725	5.171	ug/l	93
67) Ethyl Benzene	11.51	91	113716	5.367	ug/l	95
68) m/p-Xylenes	11.62	106	81912	10.447	ug/l	91
69) o-Xylene	11.95	106	41135	5.350	ug/l	98
70) Styrene	11.96	104	61817	5.028	ug/l	96
71) Bromoform	12.13	173	11894	4.620	ug/l #	98
73) Isopropylbenzene	12.25	105	109233	6.009	ug/l	99
74) N-amyl acetate	12.07	43	31138	5.498	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	26371	5.841	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	22628m	6.059	ug/l	
77) Bromobenzene	12.53	156	24030	5.477	ug/l	77
78) n-propylbenzene	12.59	91	112273	5.619	ug/l	96
79) 2-Chlorotoluene	12.67	91	70962	5.741	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	85613	5.739	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	4870	4.903	ug/l #	80
82) 4-Chlorotoluene	12.77	91	67955	5.660	ug/l	95
83) tert-Butylbenzene	12.99	119	76341	5.852	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	81903	5.763	ug/l	96
85) sec-Butylbenzene	13.17	105	96684	5.967	ug/l	95
86) p-Isopropyltoluene	13.29	119	83510	5.843	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	41444	5.642	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	39562	5.491	ug/l	95
89) n-Butylbenzene	13.61	91	62523	5.362	ug/l	96
90) Hexachloroethane	13.87	117	13166	5.426	ug/l	82
91) 1,2-Dichlorobenzene	13.65	146	40835	5.508	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3364	5.413	ug/l	73

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:11:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	17319	4.846	ug/l	96
94) Hexachlorobutadiene	15.01	225	14848	6.159	ug/l	98
95) Naphthalene	15.13	128	39943	4.983	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	18124	5.021	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 431142

Ion Ratio Lower Upper

168 100

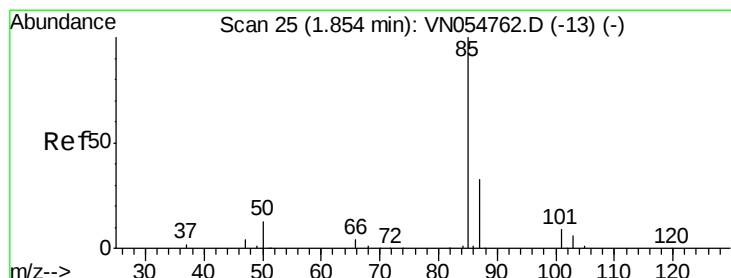
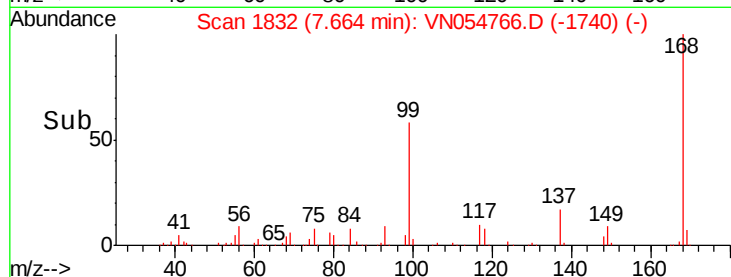
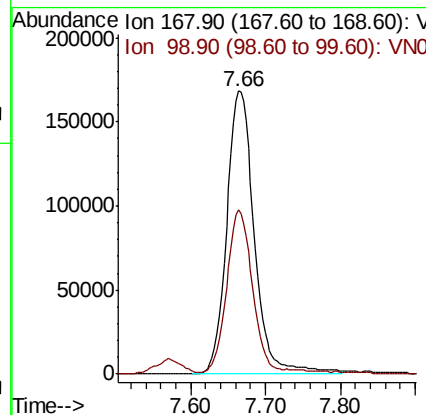
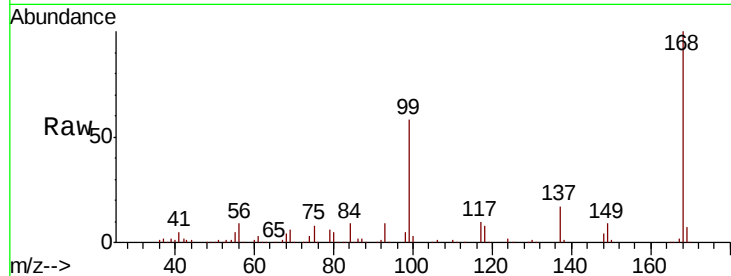
99 57.2 37.1 55.7#

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 5.874 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054766.D

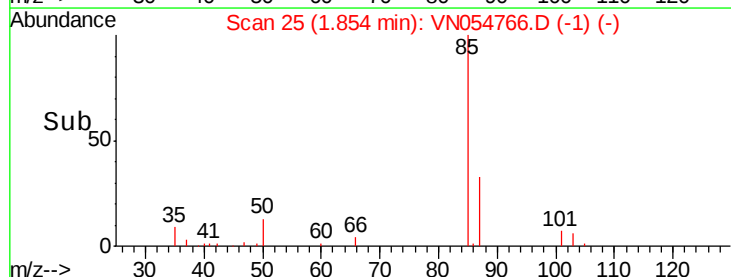
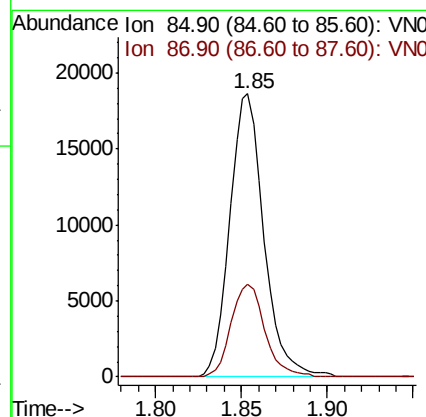
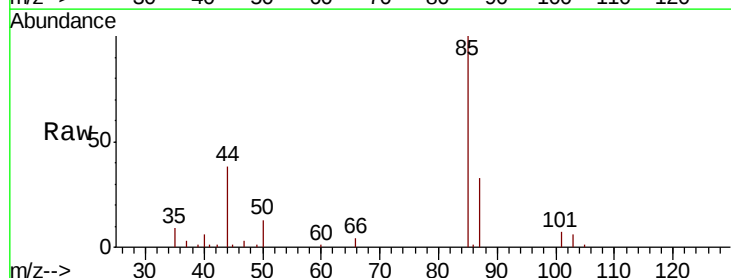
Acq: 29 Mar 2019 13:04

Tgt Ion: 85 Resp: 25615

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7





#3

Chloromethane

Concen: 5.816 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 50 Resp: 35072

Ion Ratio Lower Upper

50 100

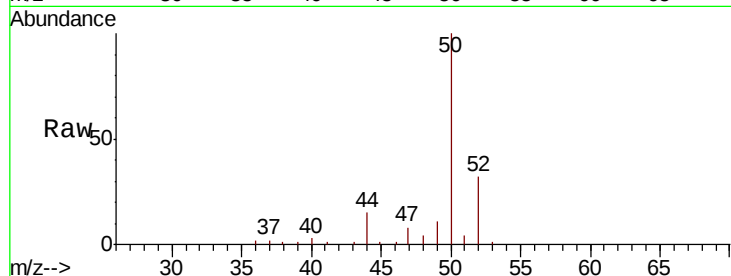
52 32.4 26.4 39.6

Manual Integrations

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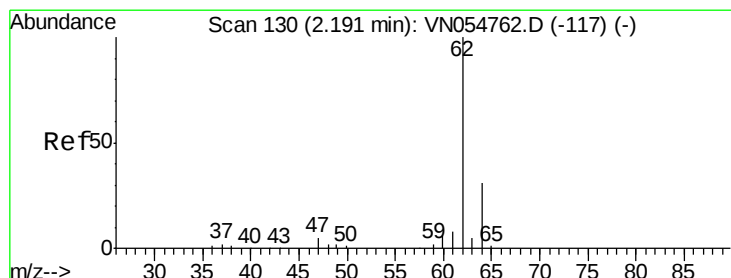
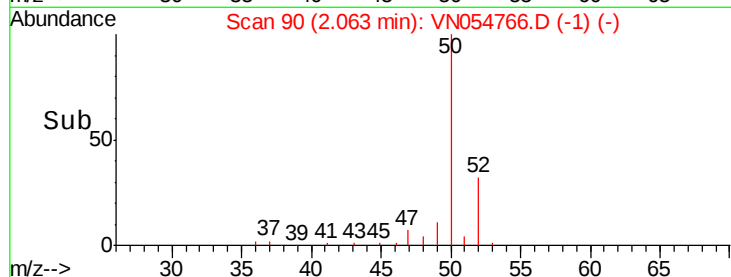
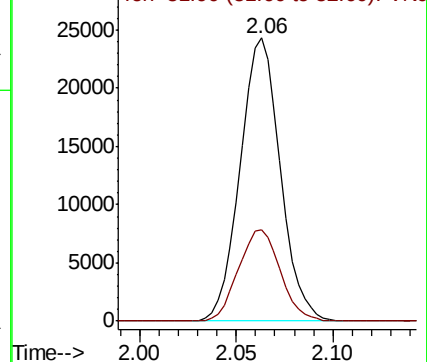
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 5.760 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054766.D

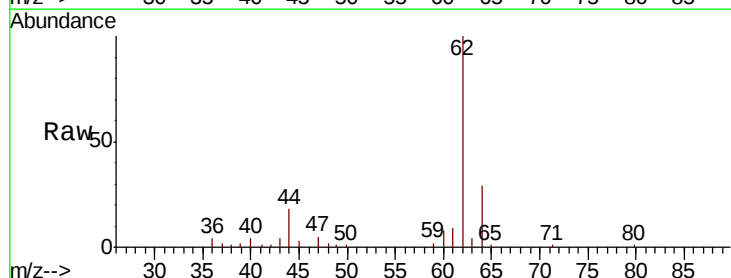
Acq: 29 Mar 2019 13:04

Tgt Ion: 62 Resp: 31191

Ion Ratio Lower Upper

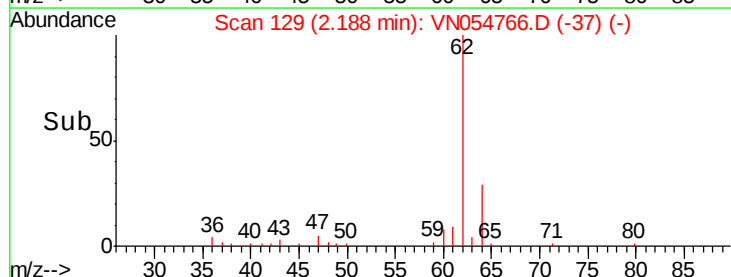
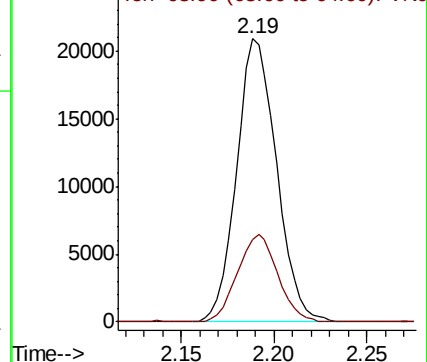
62 100

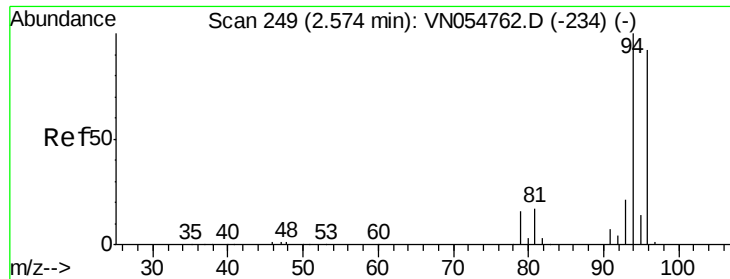
64 29.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 6.264 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 20490

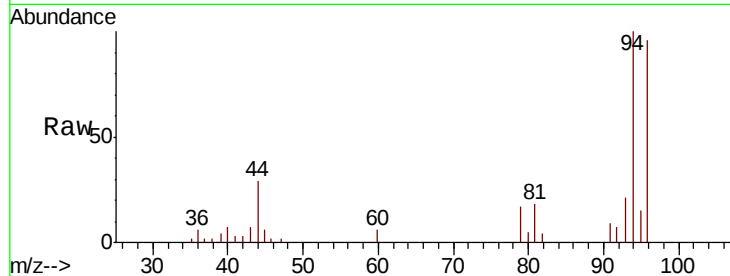
Ion Ratio Lower Upper

94 100

96 96.1 77.0 115.4

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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.57

12000

10000

8000

6000

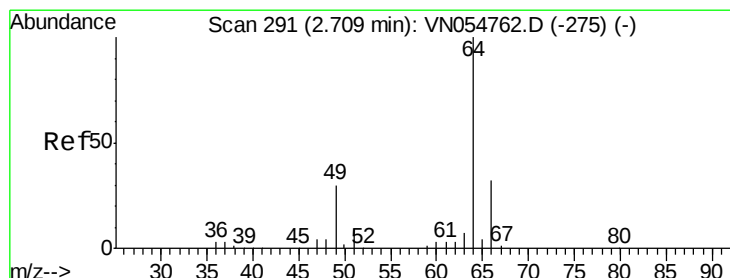
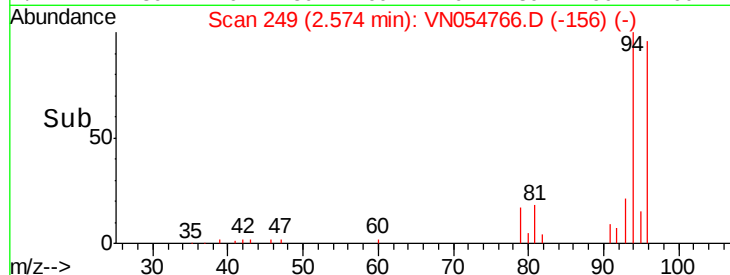
4000

2000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.382 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054766.D

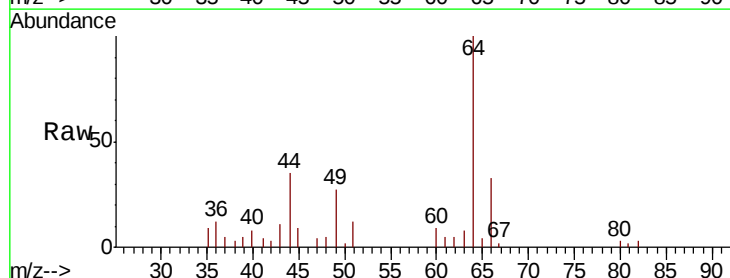
Acq: 29 Mar 2019 13:04

Tgt Ion: 64 Resp: 16273

Ion Ratio Lower Upper

64 100

66 33.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC

2.71

8000

6000

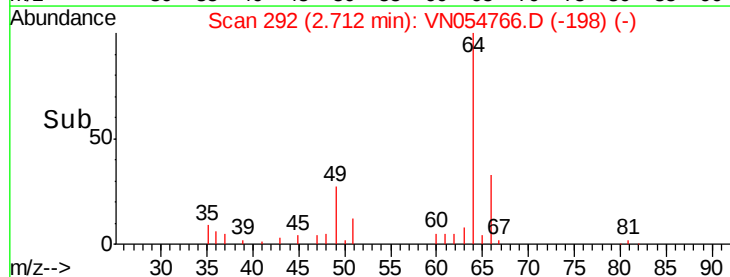
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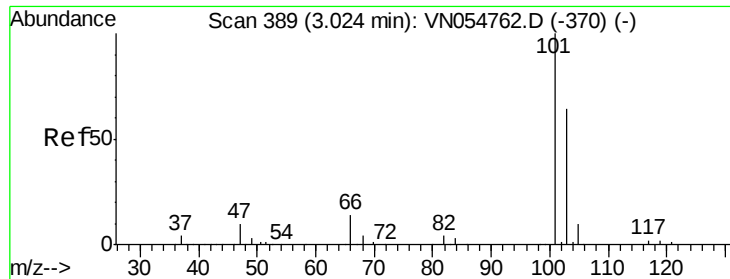
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0

Time-->

2.65 2.70 2.75 2.80





#7

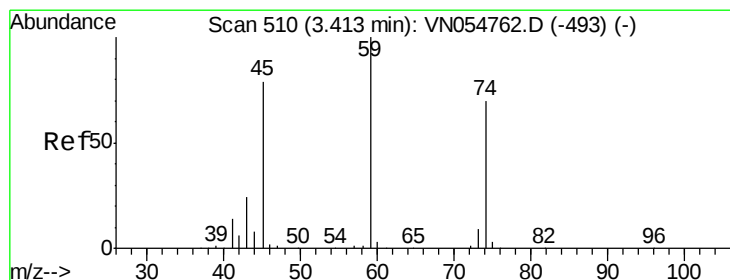
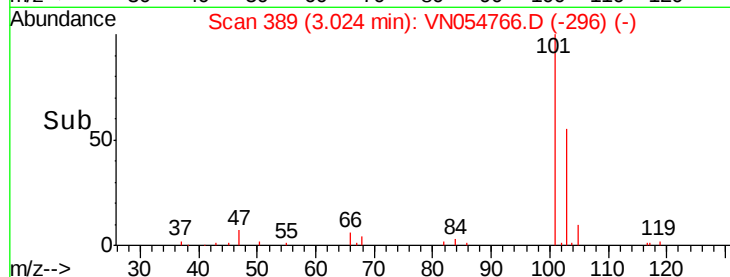
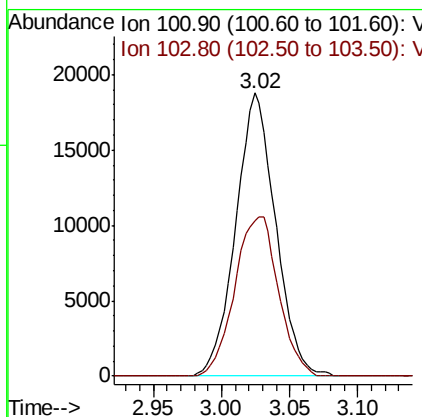
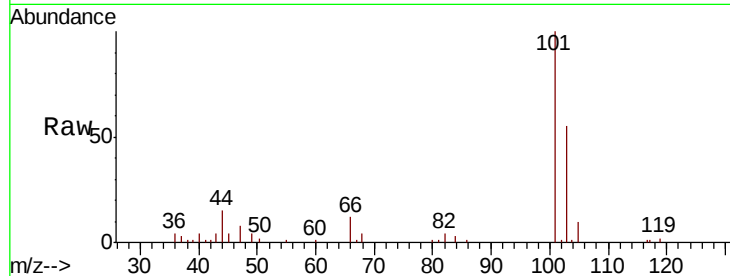
Trichlorofluoromethane
 Concen: 5.719 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.7	51.4	77.2

Manual Integrations
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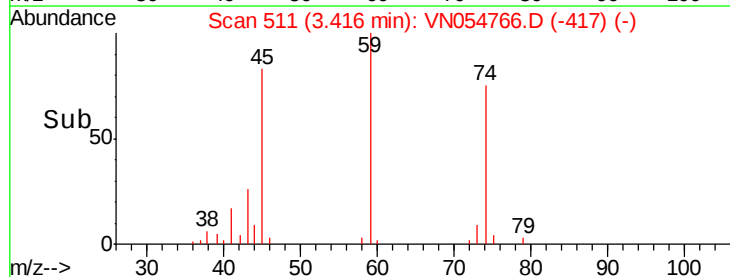
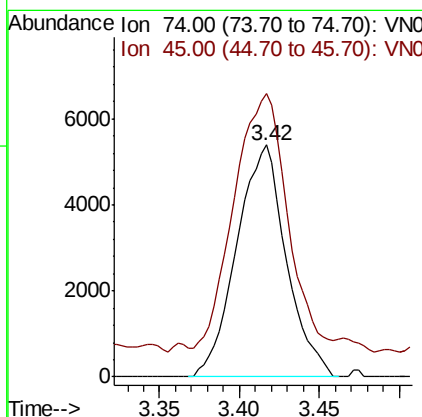
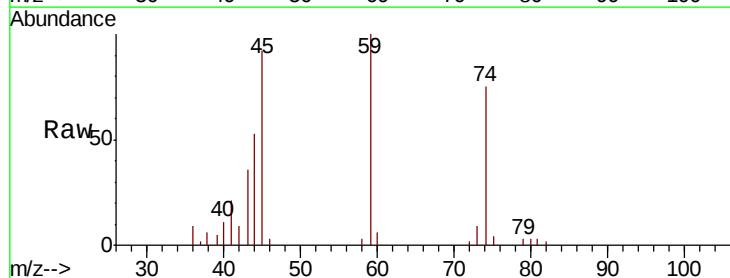
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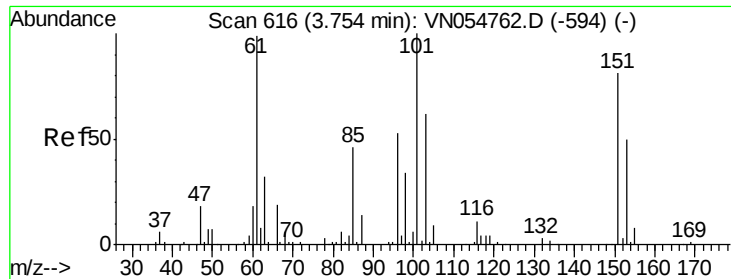


#8

Diethyl Ether
 Concen: 5.337 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.6	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.043 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

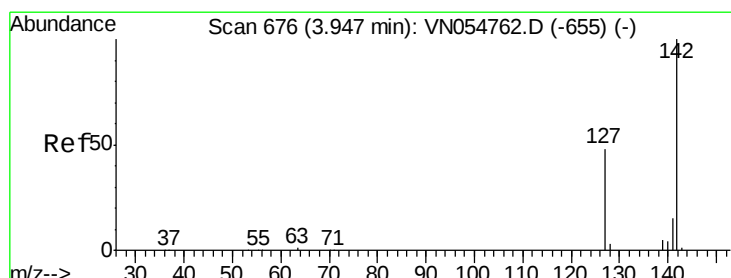
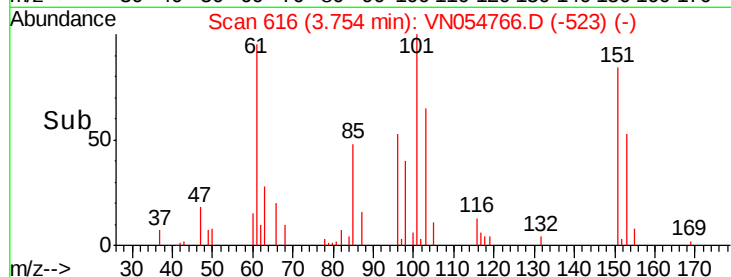
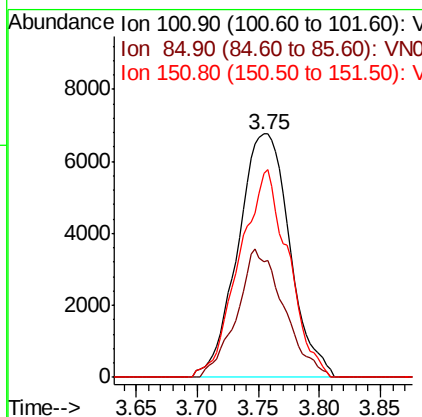
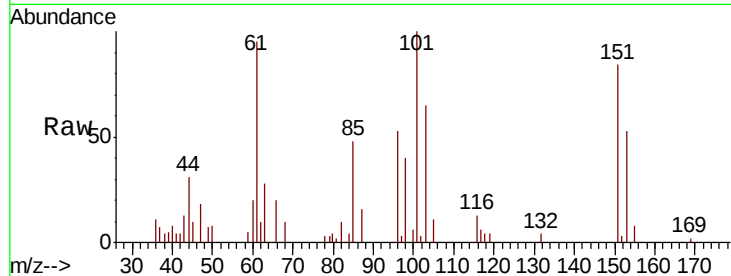
ClientSampled :

VSTDIC005

Tot Ion:	101	Resp:	19888
Ion Ratio	Lower	Upper	
101	100		
85	47.9	32.4	48.6
151	80.9	68.2	102.2

Manual Integrations
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4/1/2019 4:00:23 PM



#10

Methyl Iodide

Concen: 4.475 ug/l

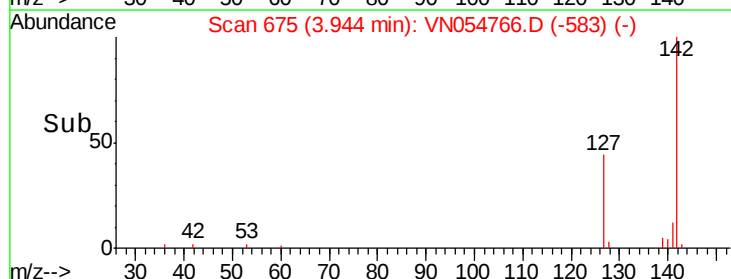
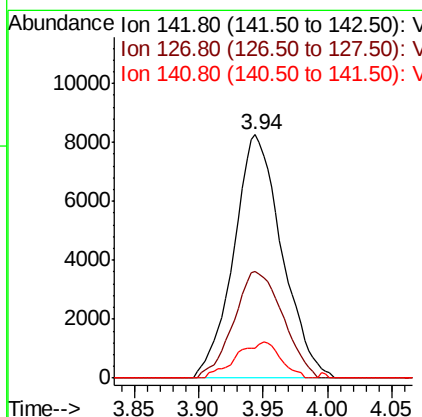
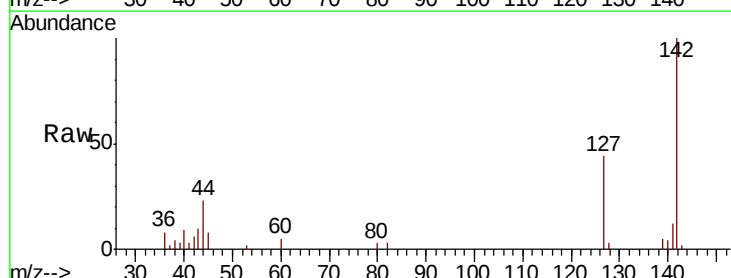
RT: 3.94 min Scan# 675

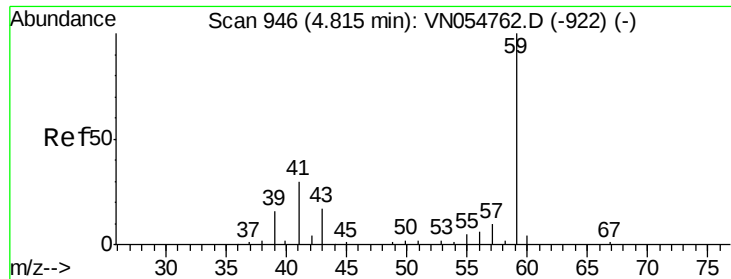
Delta R.T. -0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	142	Resp:	21469
Ion Ratio	Lower	Upper	
142	100		
127	44.6	30.3	45.5
141	13.7	11.2	16.8





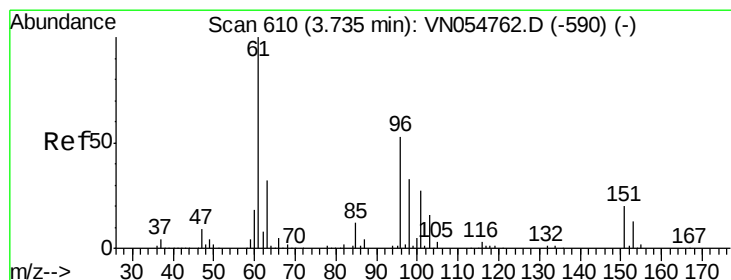
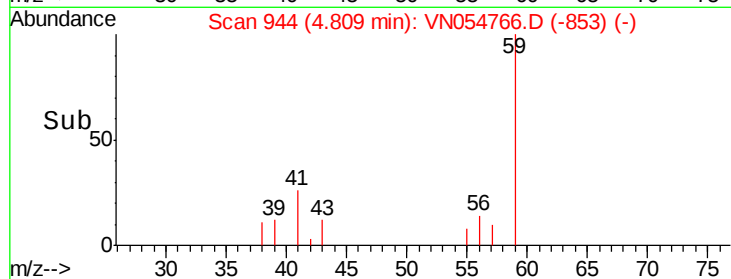
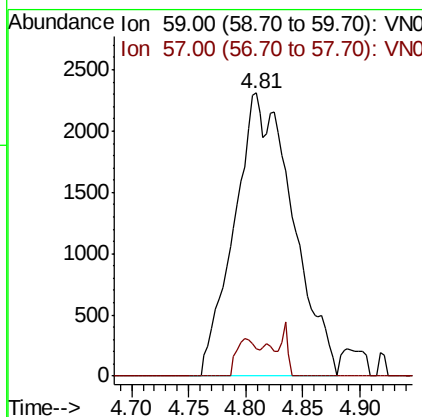
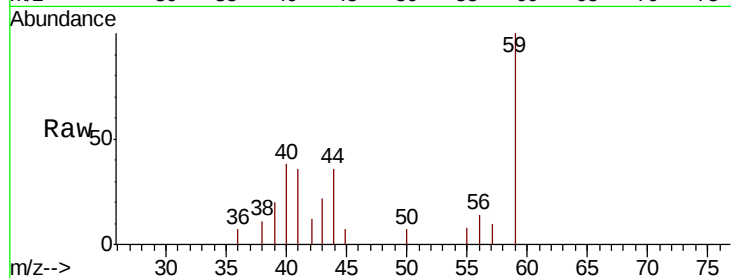
#11
Tert butyl alcohol
Concen: 26.765 ug/l m
RT: 4.81 min Scan# 944
Delta R.T. -0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 59 Resp: 8186
Ion Ratio Lower Upper
59 100
57 4.6 9.0 13.6#

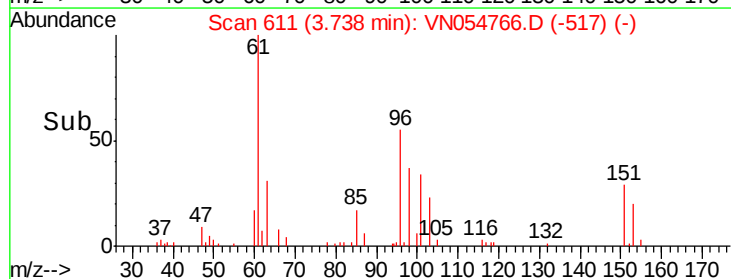
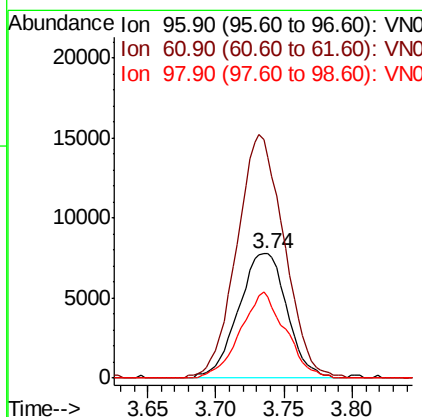
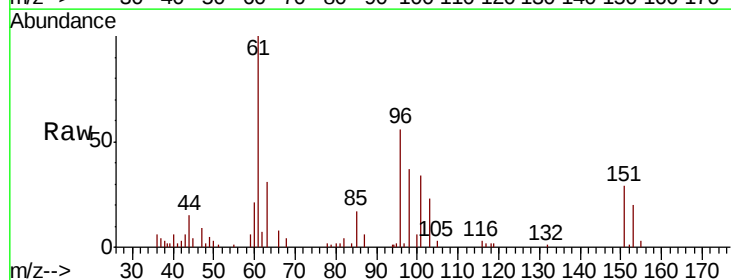
Manual Integrations
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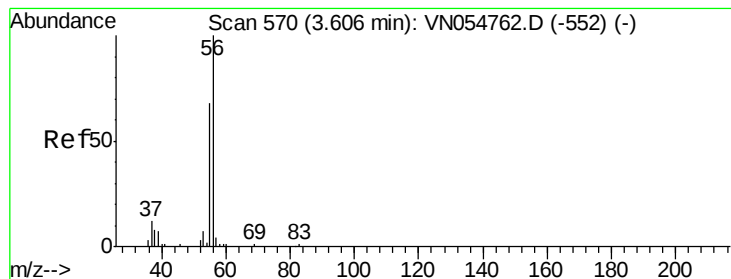
MMDadoda
4/1/2019 4:00:23 PM



#12
1,1-Dichloroethene
Concen: 5.662 ug/l
RT: 3.74 min Scan# 611
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 96 Resp: 19190
Ion Ratio Lower Upper
96 100
61 175.2 116.5 174.7#
98 65.6 51.0 76.4





#13

Acrolein

Concen: 24.820 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6719

Ion Ratio Lower Upper

56 100

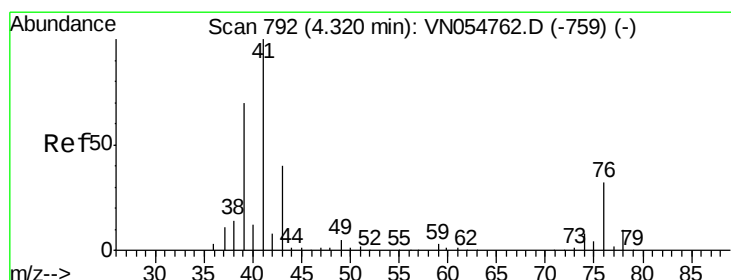
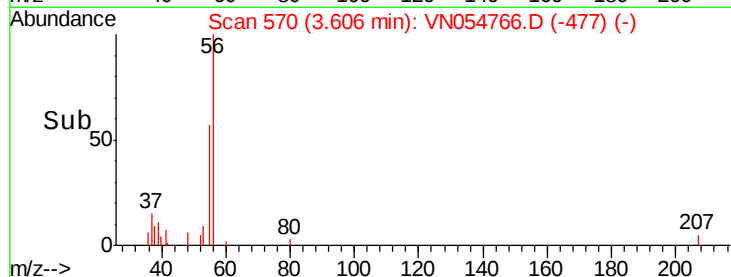
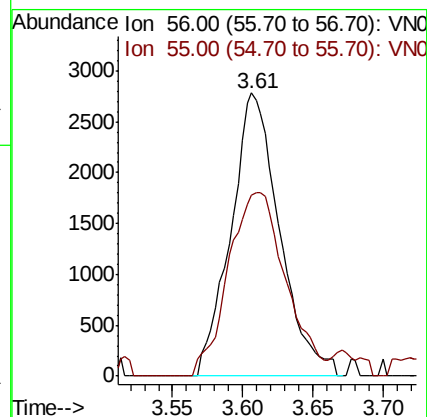
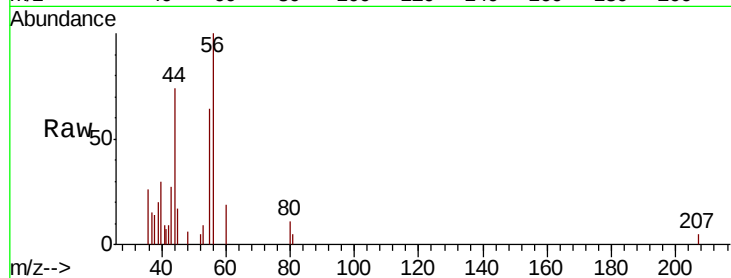
55 76.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 5.161 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

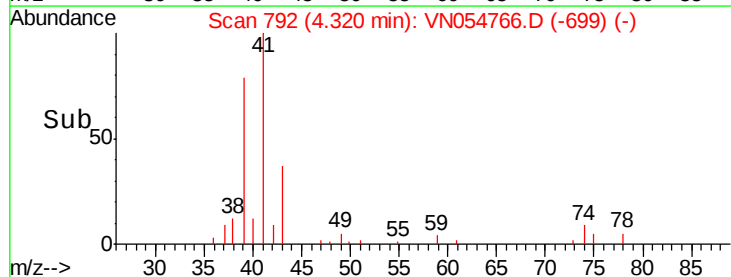
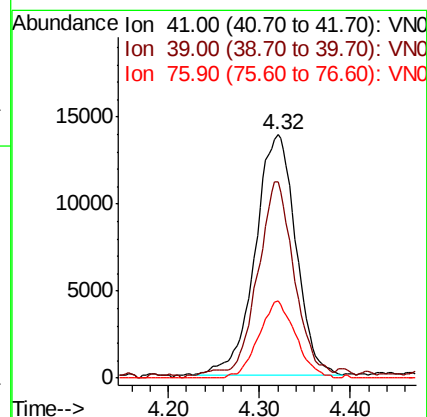
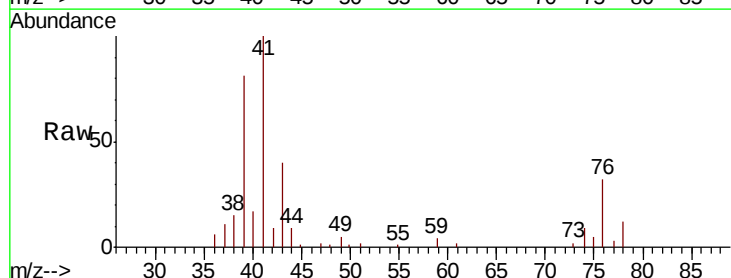
Tgt Ion: 41 Resp: 42683

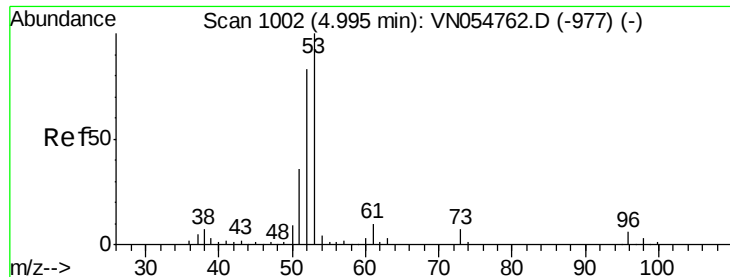
Ion Ratio Lower Upper

41 100

39 76.2 58.2 87.4

76 29.4 31.7 47.5#





#15

Acrylonitrile

Concen: 27.184 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

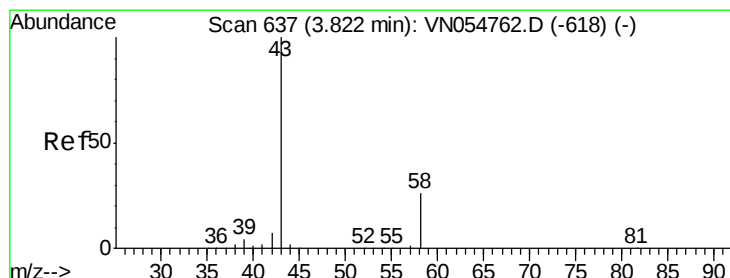
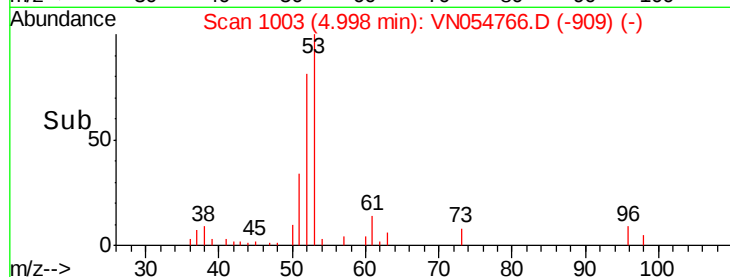
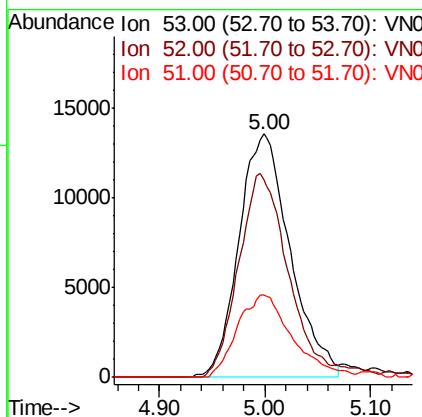
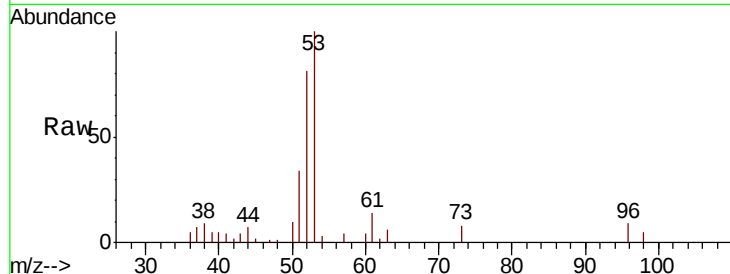
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	45754
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.4	99.6
51	36.3	29.6	44.4

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#16

Acetone

Concen: 27.456 ug/l

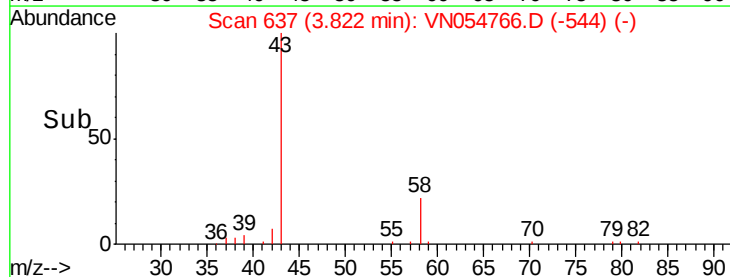
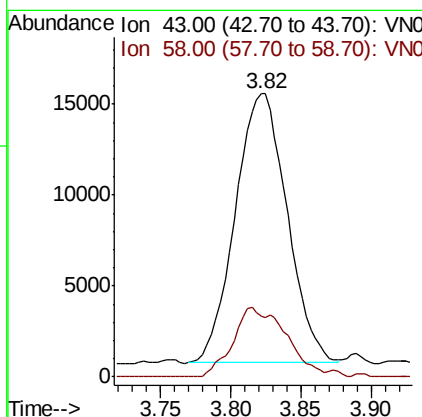
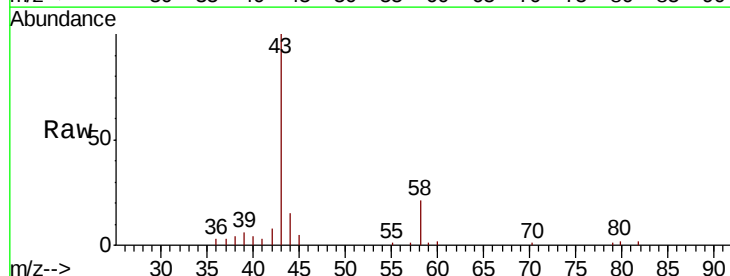
RT: 3.82 min Scan# 637

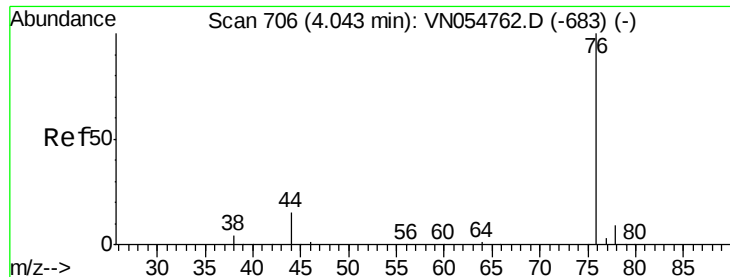
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	43	Resp:	38052
Ion	Ratio	Lower	Upper
43	100		
58	22.4	29.9	44.9#





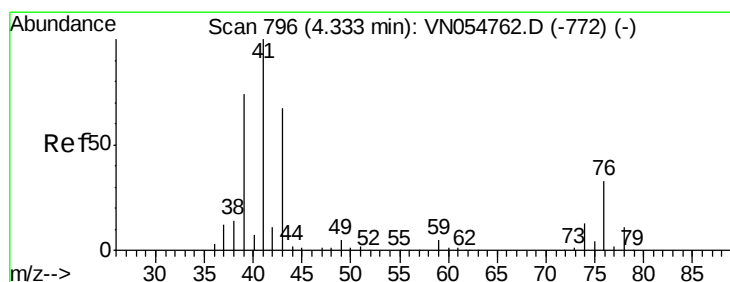
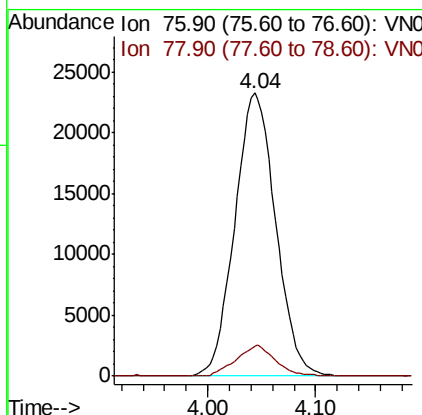
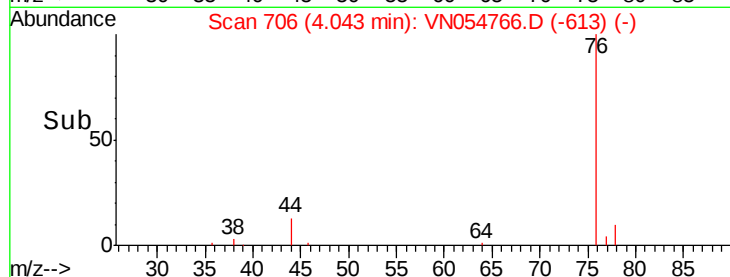
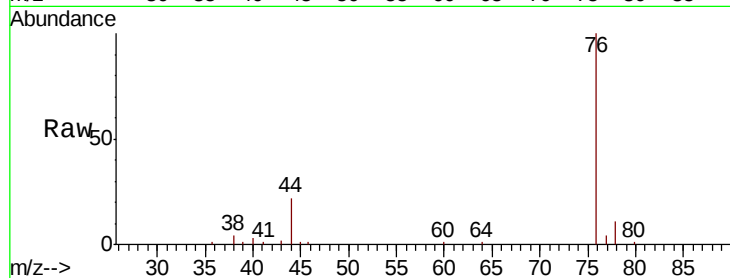
#17
Carbon Disulfide
Concen: 5.572 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 76 Resp: 61248
Ion Ratio Lower Upper
76 100
78 10.7 7.5 11.3

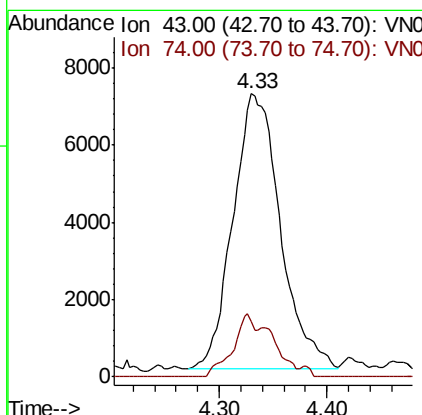
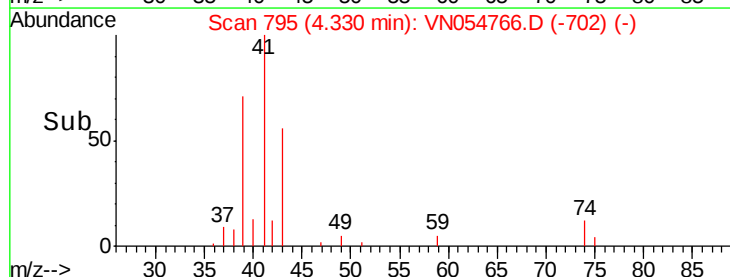
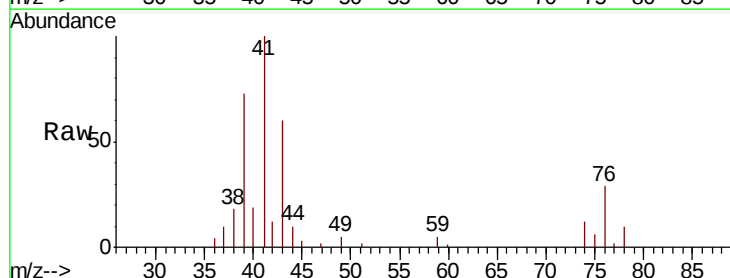
Manual Integrations
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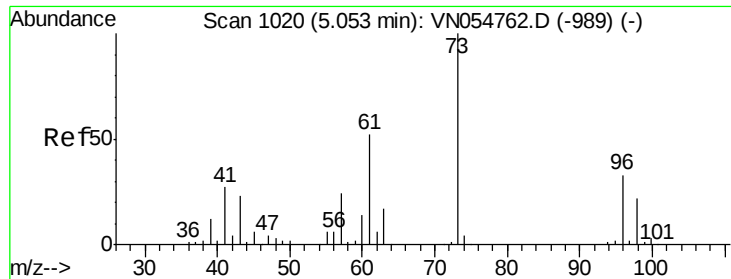
MMDadoda
4/1/2019 4:00:23 PM



#18
Methyl Acetate
Concen: 5.409 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 43 Resp: 21648
Ion Ratio Lower Upper
43 100
74 11.4 20.8 31.2#





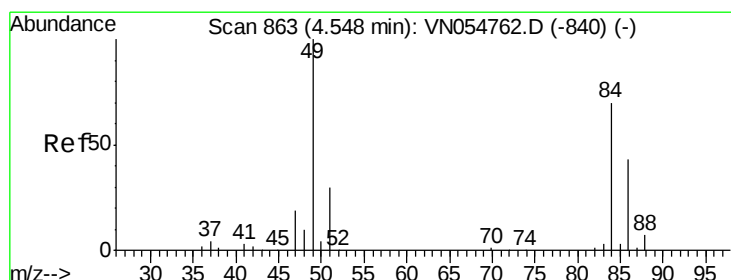
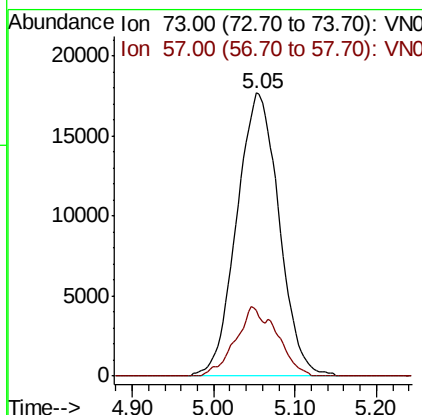
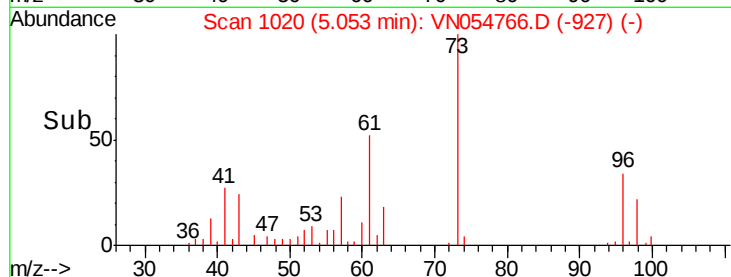
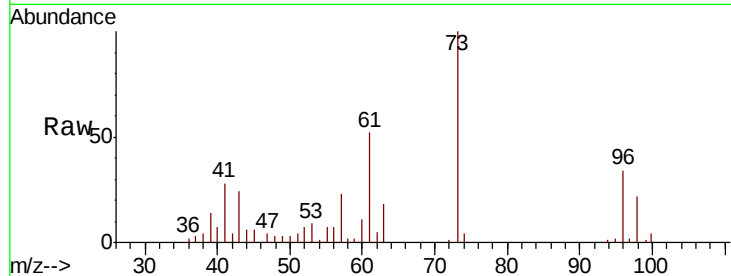
#19
Methvl tert-butvl Ether
Concen: 5.364 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 63593
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2

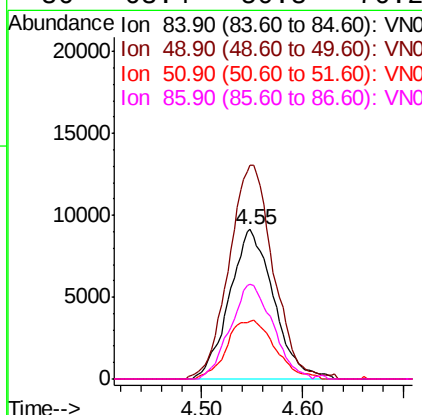
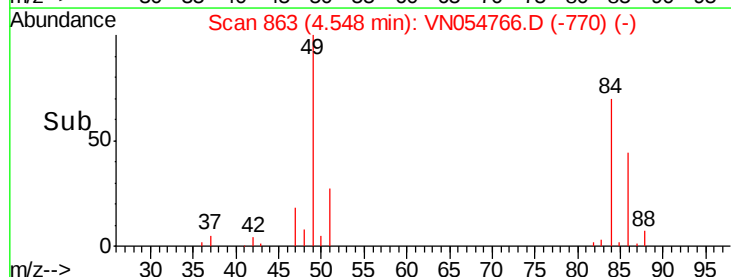
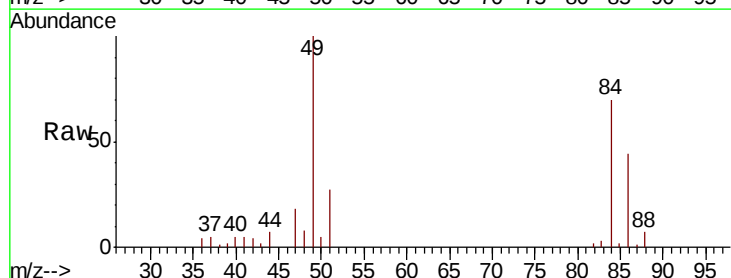
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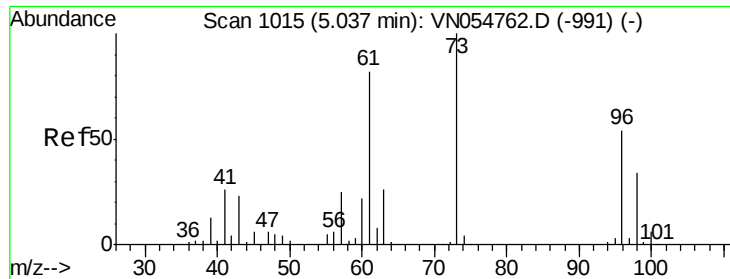
MMDadoda
4/1/2019 4:00:23 PM



#20
Methylene Chloride
Concen: 5.689 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 84 Resp: 27812
Ion Ratio Lower Upper
84 100
49 142.6 89.7 134.5#
51 38.5 28.2 42.4
86 63.4 50.8 76.2





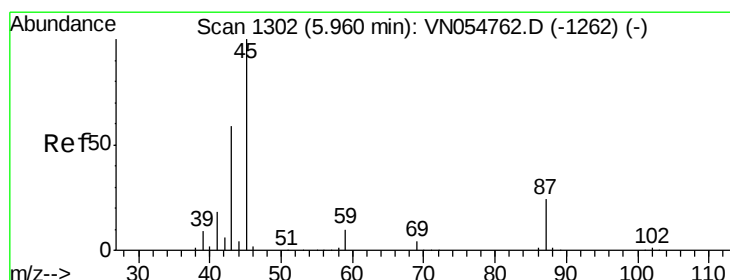
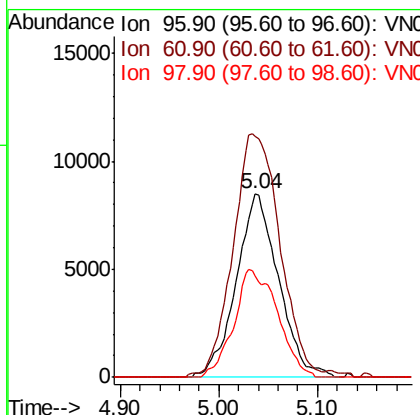
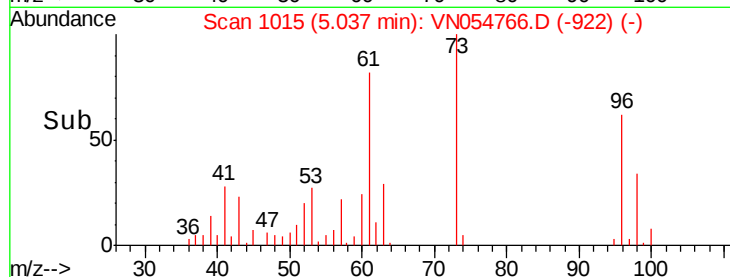
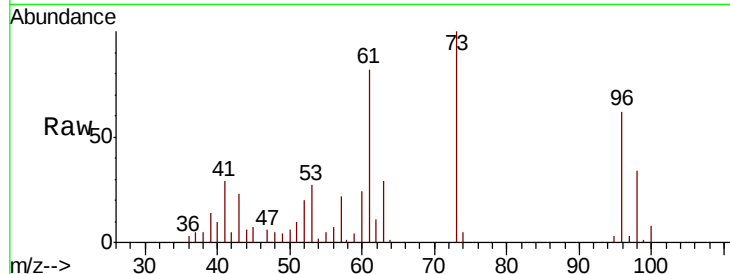
#21
trans-1,2-Dichloroethene
Concen: 5.665 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.4	102.8	154.2
98	55.2	50.0	75.0

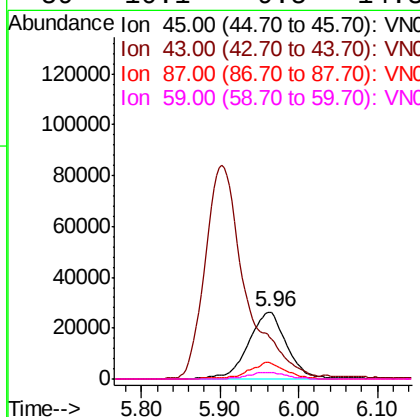
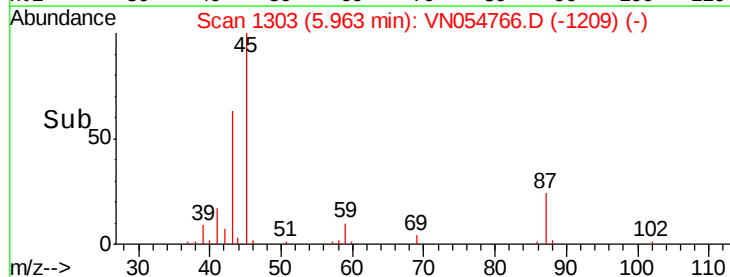
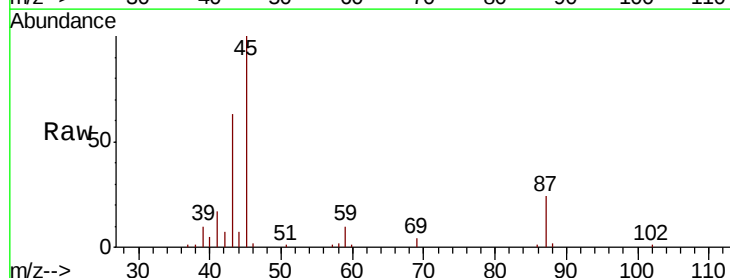
Manual Integrations
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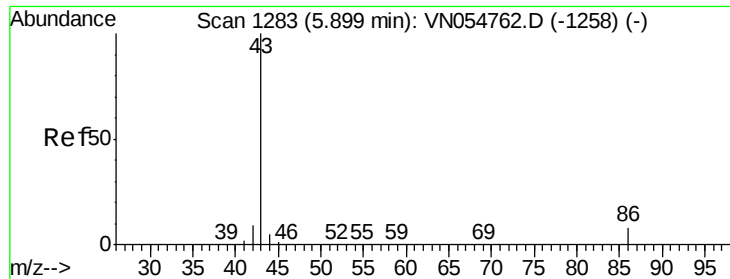
MMDadoda
4/1/2019 4:00:23 PM



#22
Diisopropyl ether
Concen: 5.463 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.2	72.2
87	24.3	24.9	37.3
59	10.1	9.5	14.3





#23

Vinyl Acetate

Concen: 26.339 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 295509

Ion Ratio Lower Upper

43 100

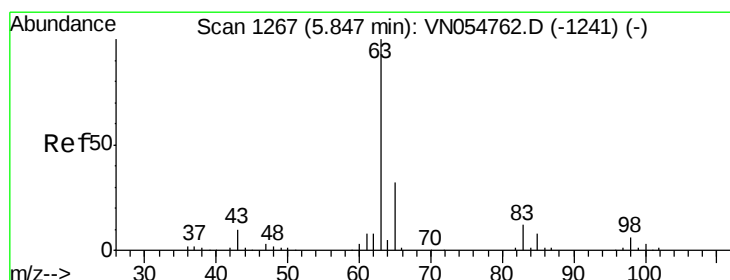
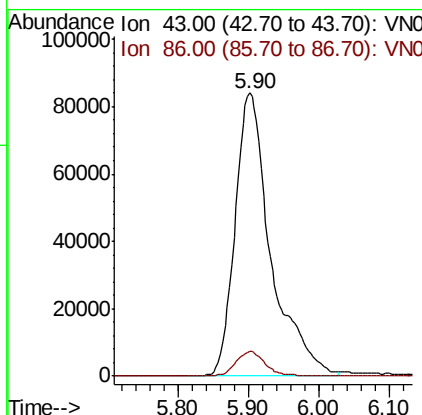
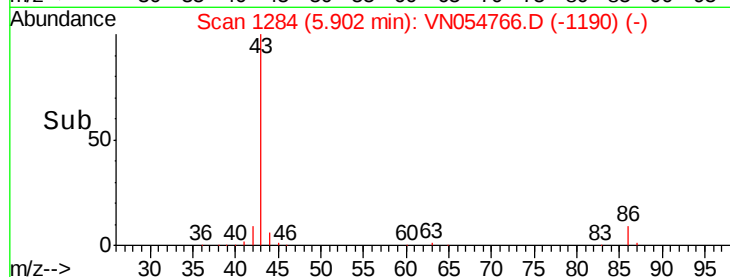
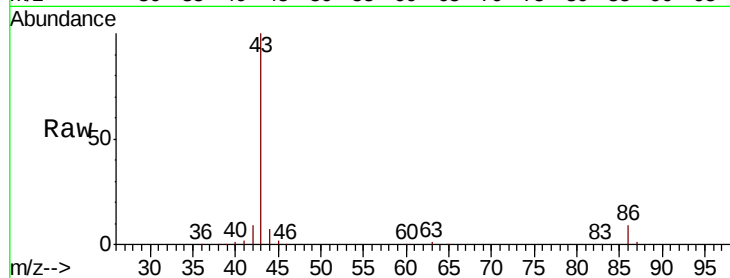
86 9.0 9.1 13.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.496 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

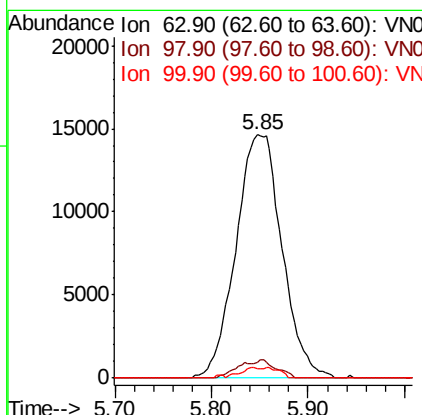
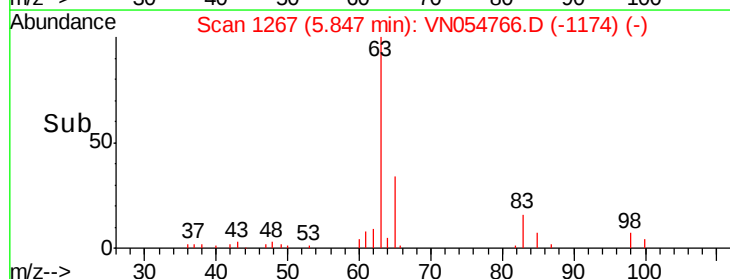
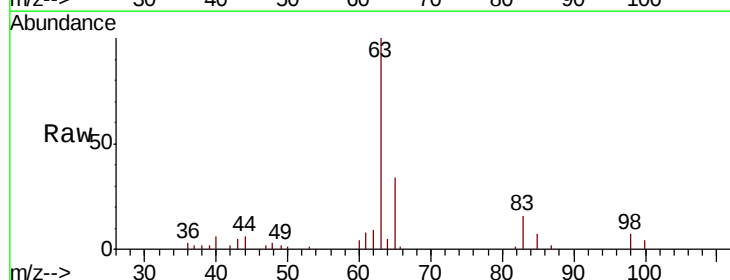
Tgt Ion: 63 Resp: 48402

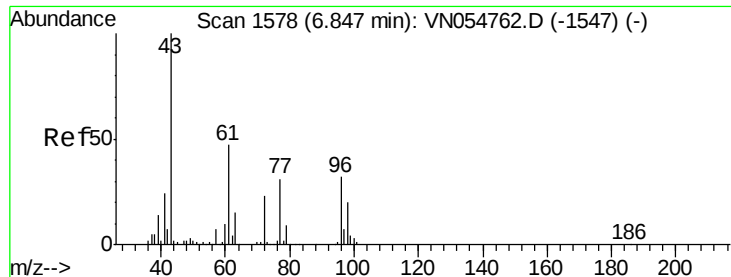
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.0 2.0 6.0





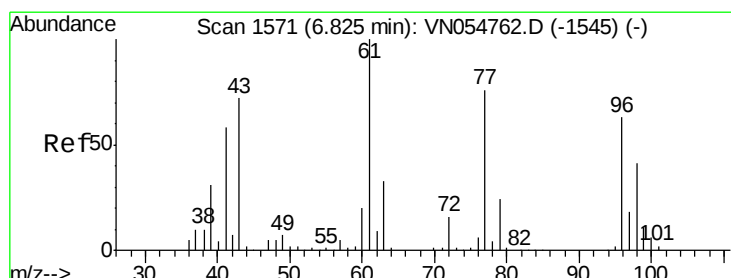
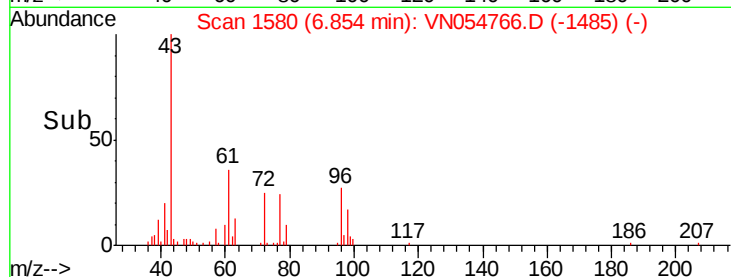
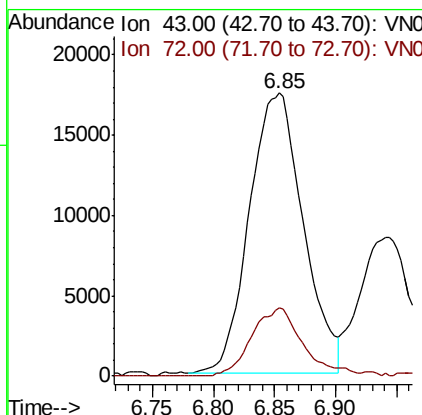
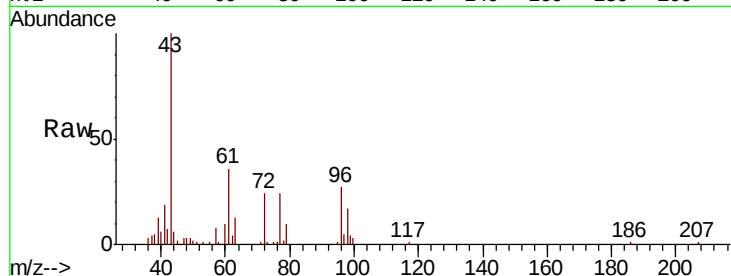
#25
2-Butanone
Concen: 26.137 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 53547
Ion Ratio Lower Upper
43 100
72 24.5 23.0 34.6

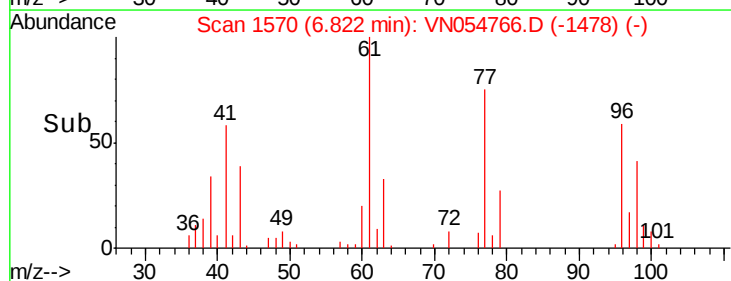
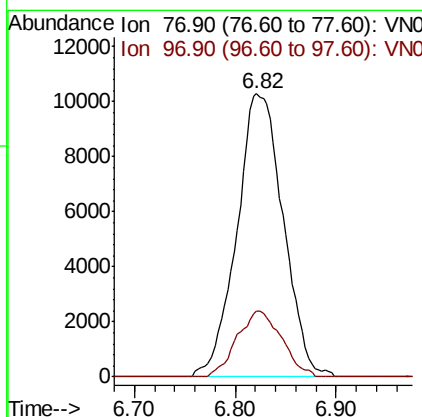
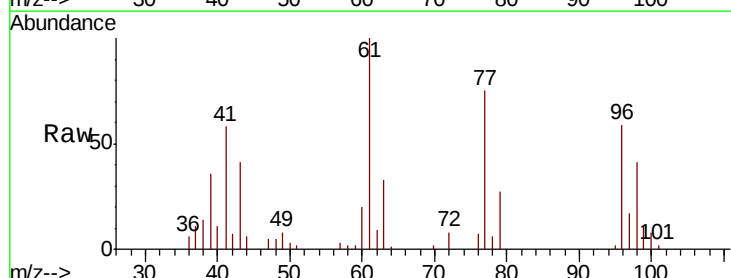
Manual Integrations
APPROVED

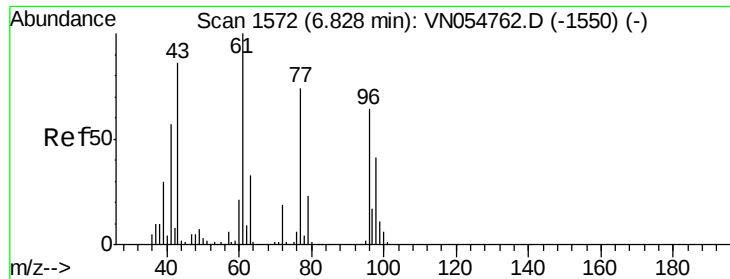
MMDadoda
4/1/2019 4:00:23 PM



#26
2,2-Dichloropropane
Concen: 5.326 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 77 Resp: 32874
Ion Ratio Lower Upper
77 100
97 22.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 5.373 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

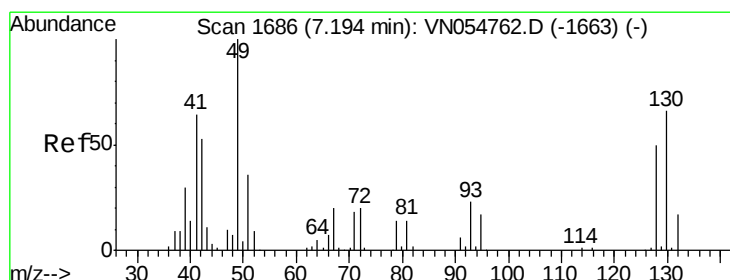
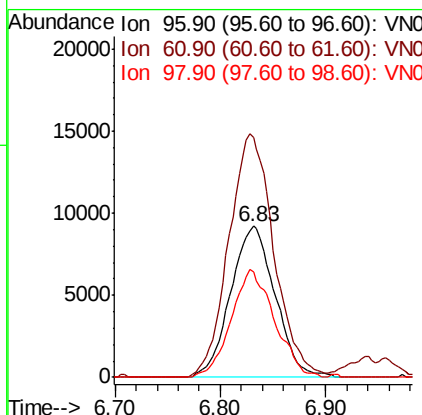
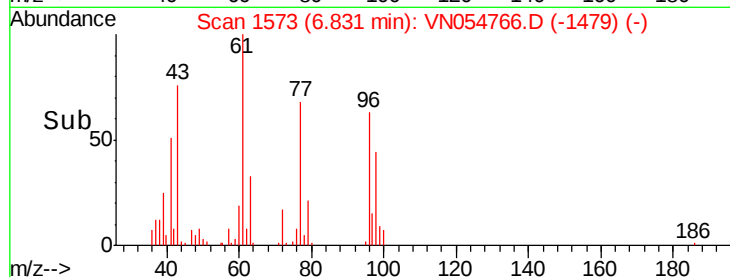
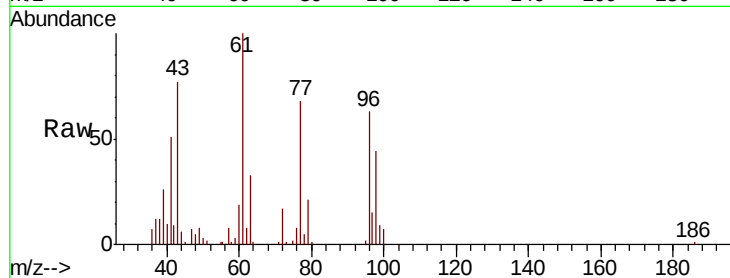
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	27021
Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	273.0
98	69.2	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 5.501 ug/l

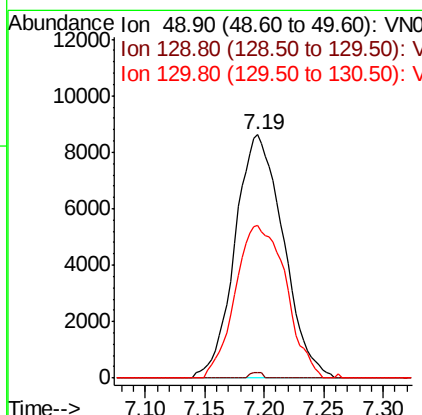
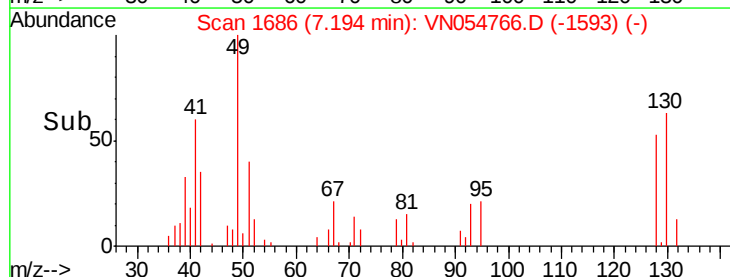
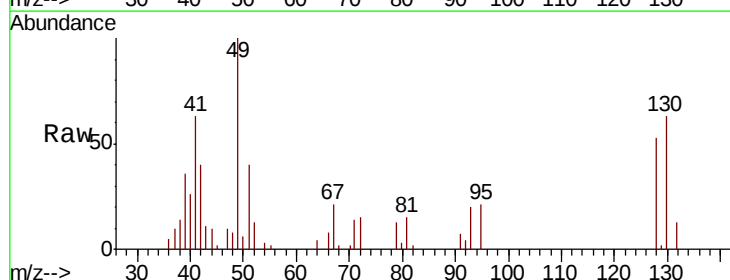
RT: 7.19 min Scan# 1686

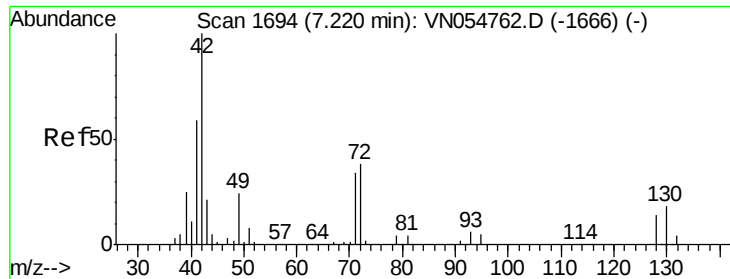
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	49	Resp:	24224
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	4.6
130	65.9	76.7	115.1#





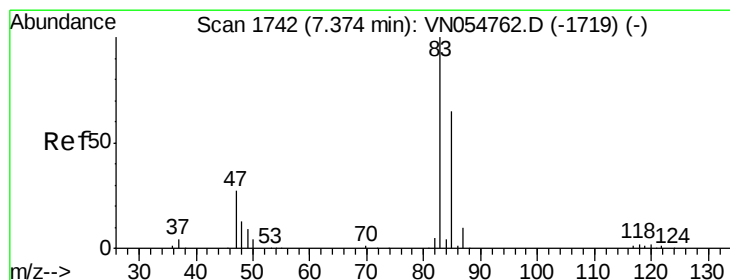
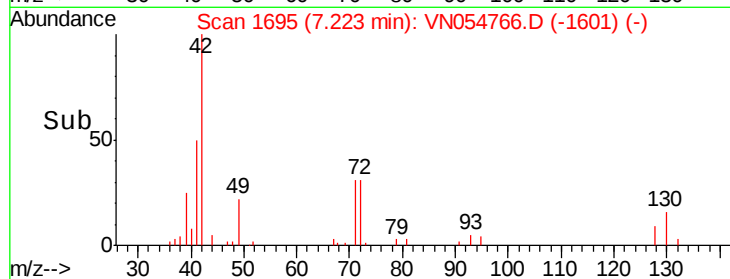
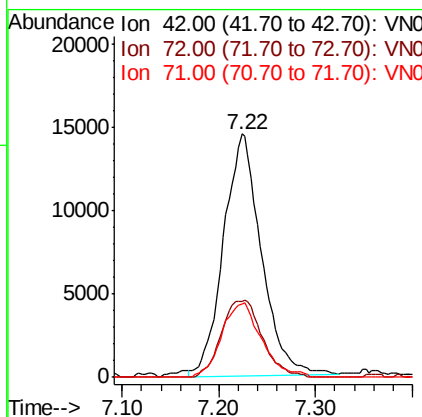
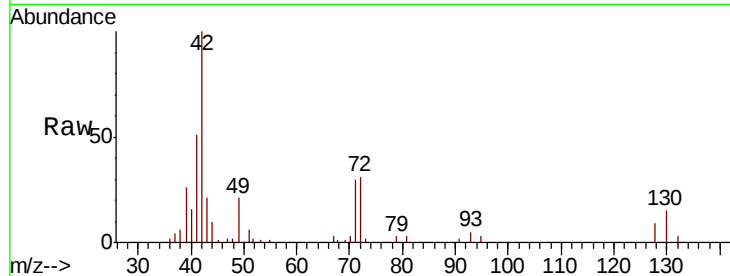
#29
Tetrahydrofuran
Concen: 27.663 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	37.8	56.6#
71	32.3	36.2	54.2#

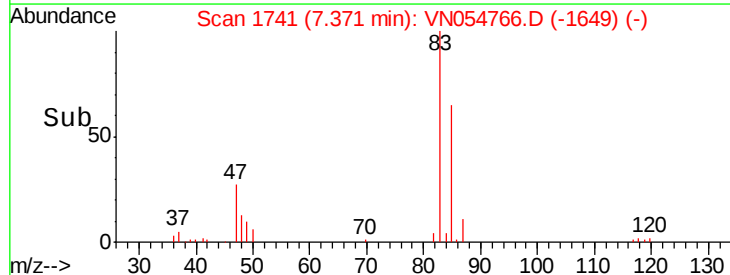
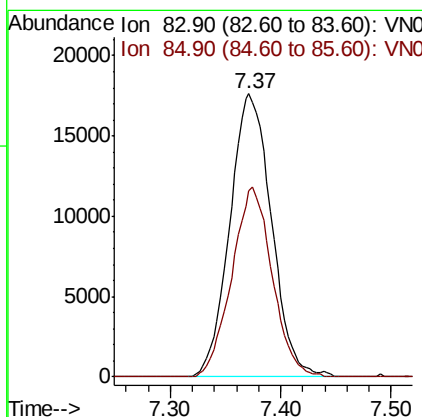
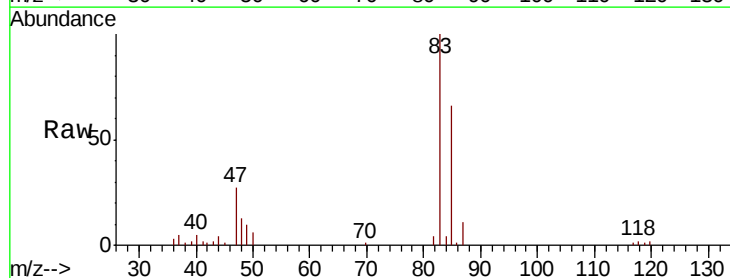
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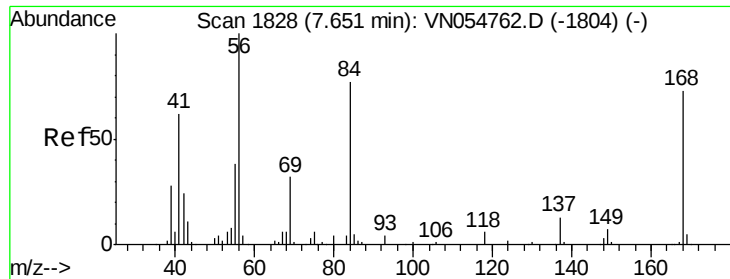
MMDadoda
4/1/2019 4:00:23 PM



#30
Chloroform
Concen: 5.486 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4





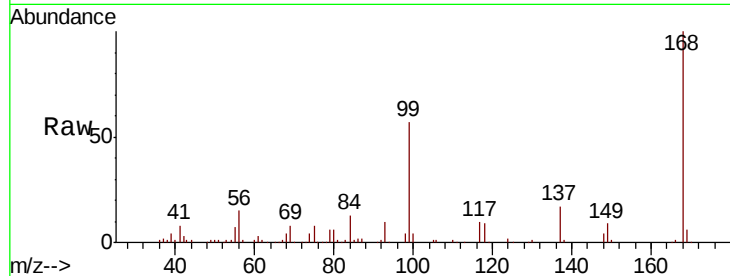
#31
Cyclohexane
Concen: 5.193 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

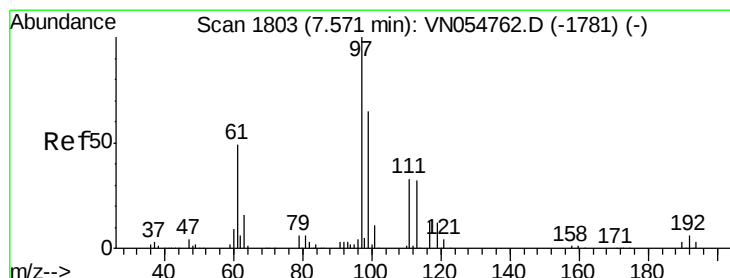
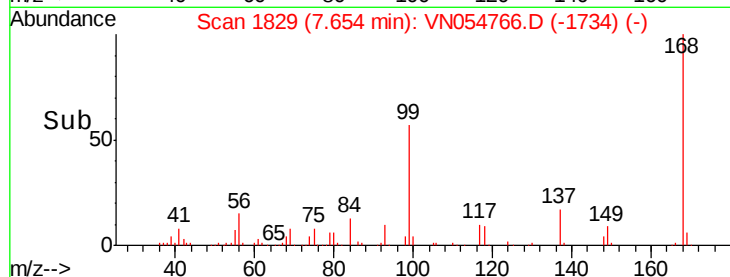
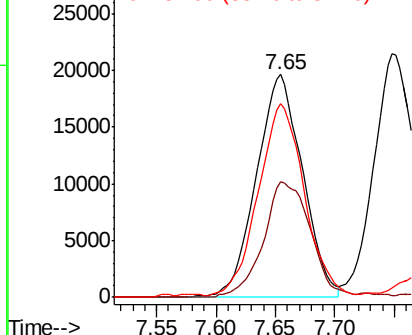
Tot Ion	Ratio	Lower	Upper
56	100		
69	51.8	27.8	41.6#
84	85.6	74.6	111.8

Manual Integrations
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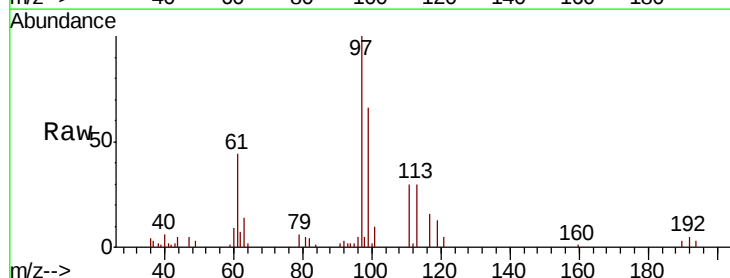


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

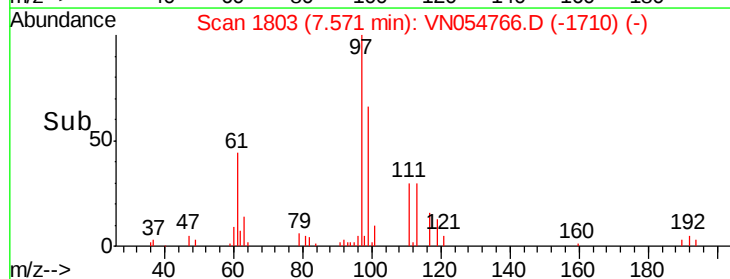
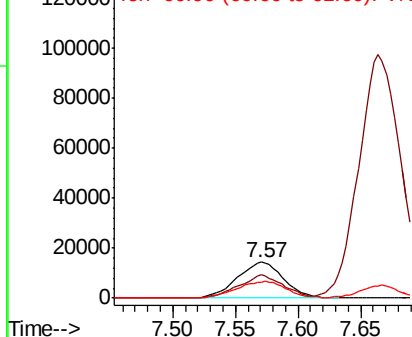


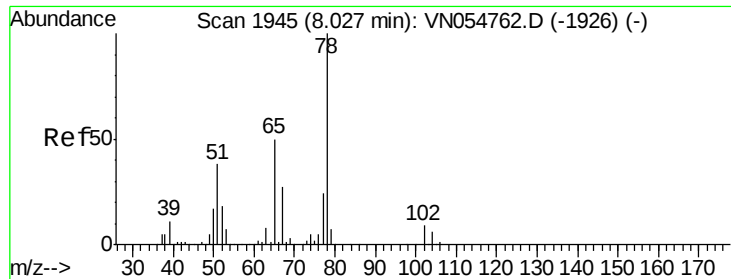
#32
1,1,1-Trichloroethane
Concen: 5.291 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.5	77.3
61	49.5	33.6	50.4



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





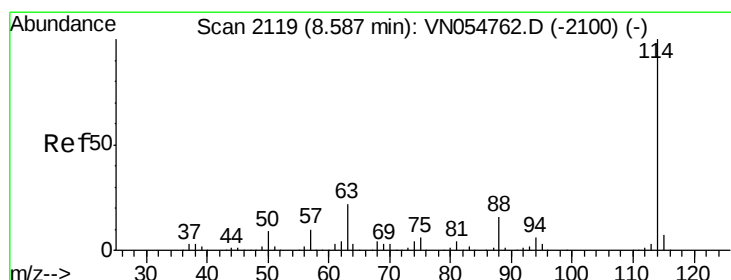
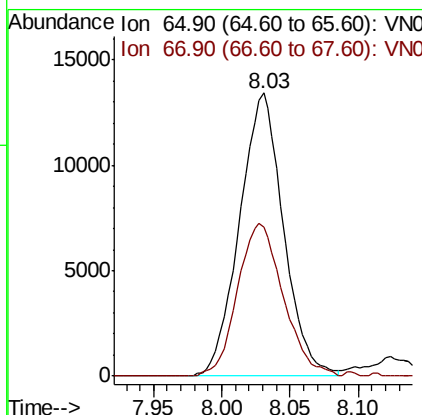
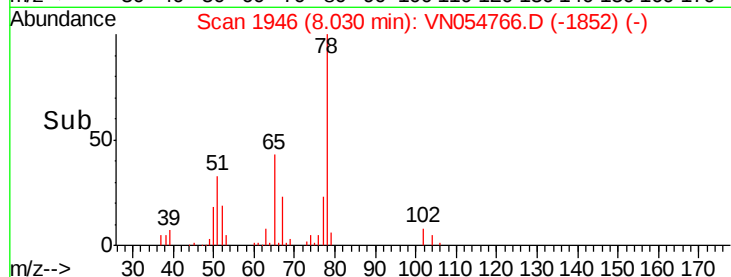
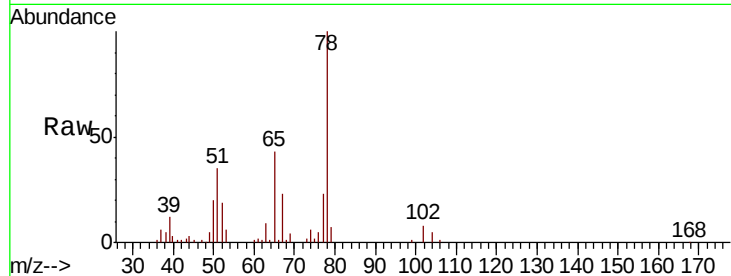
#33
 1,2-Dichloroethane-d4
 Concen: 5.169 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	104.6

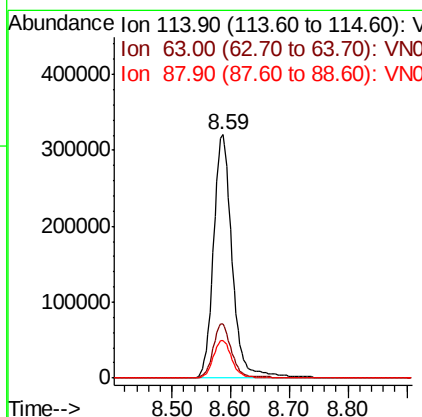
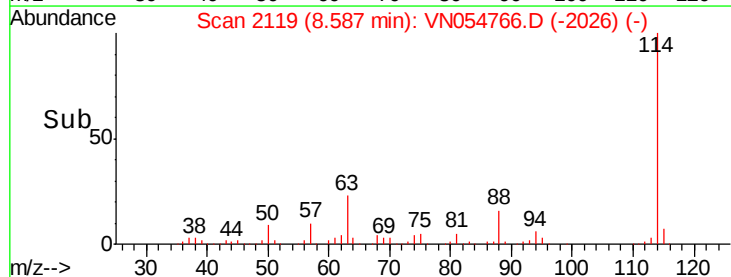
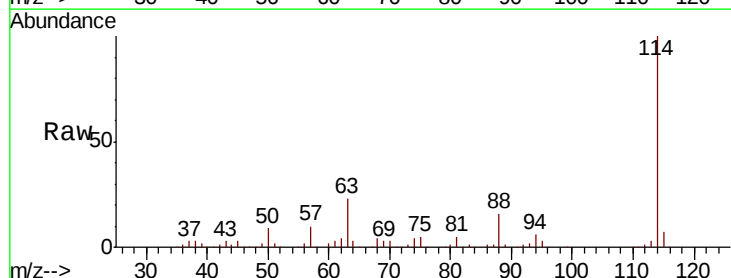
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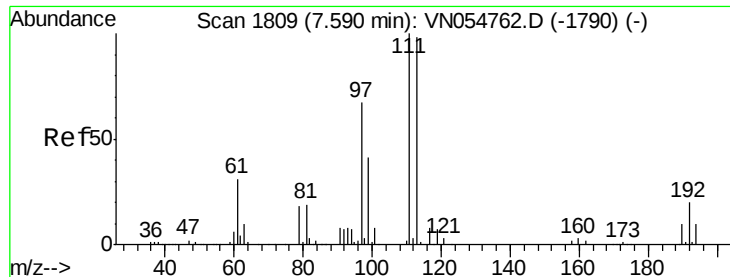
MMDadoda
 4/1/2019 4:00:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	35.2
88	15.5	0.0	30.2





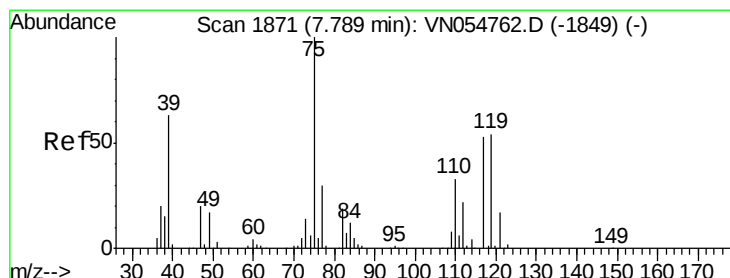
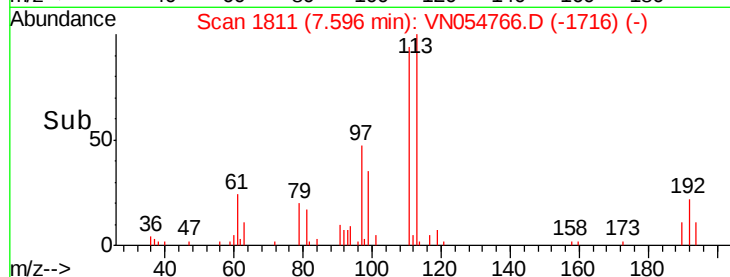
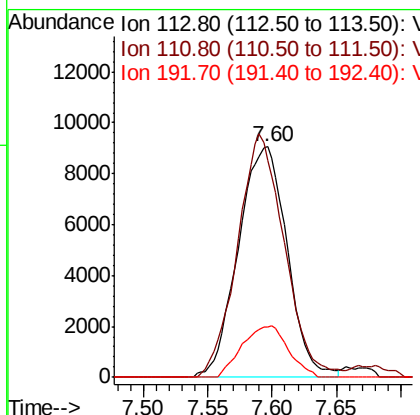
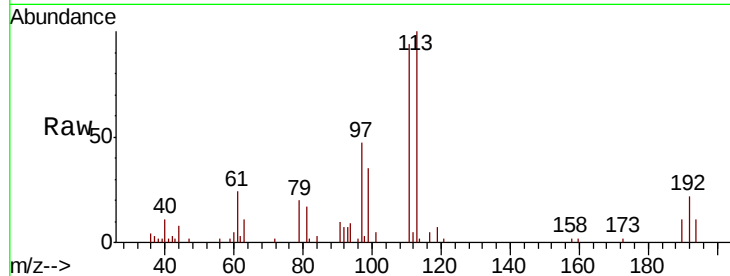
#35
Dibromofluoromethane
Concen: 5.058 ug/l
RT: 7.60 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.2	123.4
192	21.0	19.2	28.8

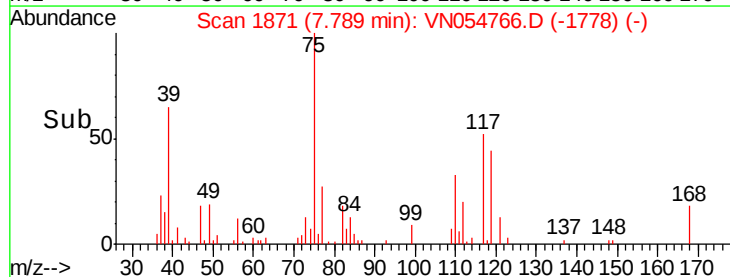
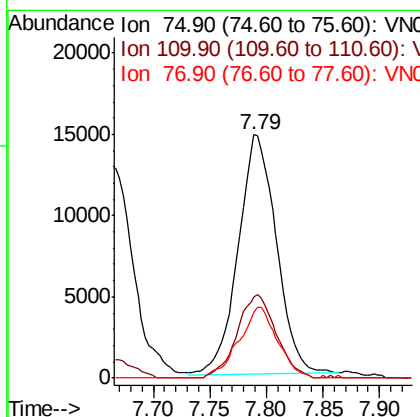
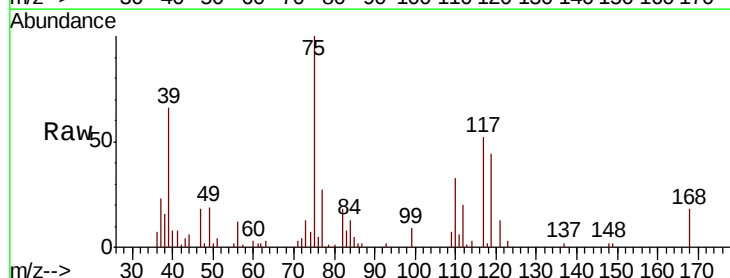
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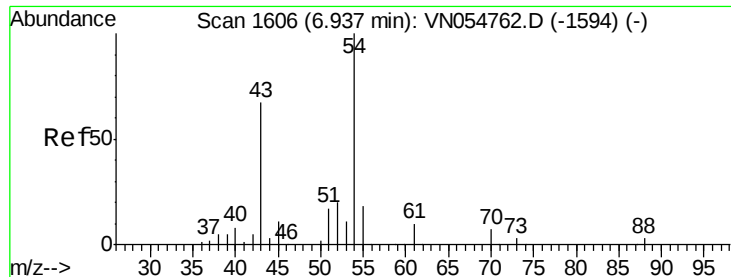
MMDadoda
4/1/2019 4:00:23 PM



#36
1,1-Dichloropropene
Concen: 5.377 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	19.1	57.5
77	29.6	25.0	37.4





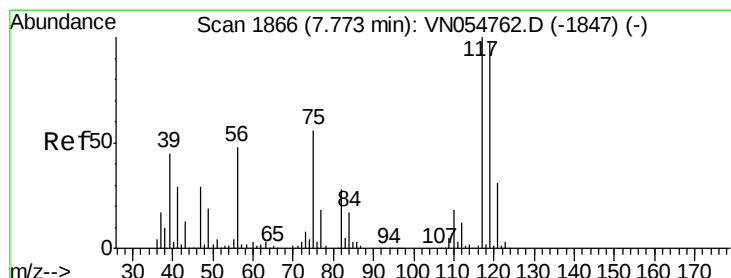
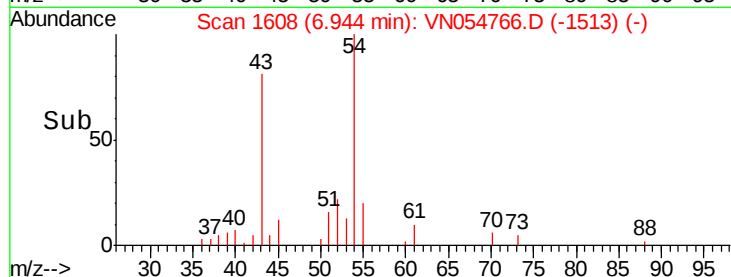
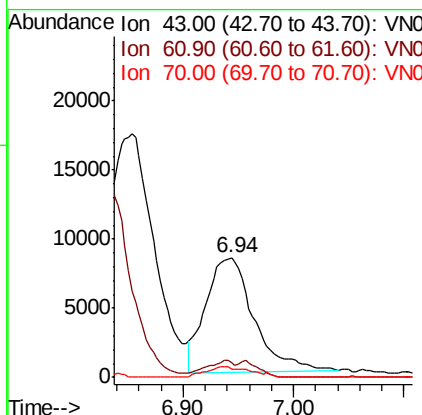
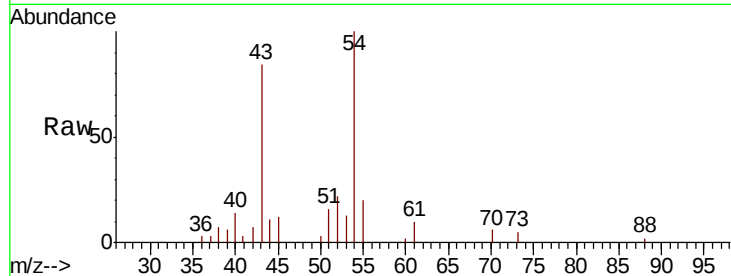
#37
Ethyl Acetate
Concen: 5.236 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	8.9	11.8	17.6#
70	8.7	8.4	12.6

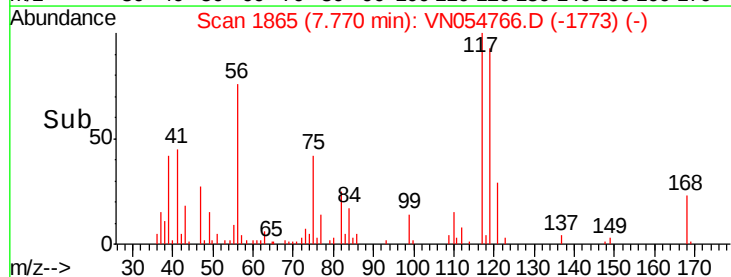
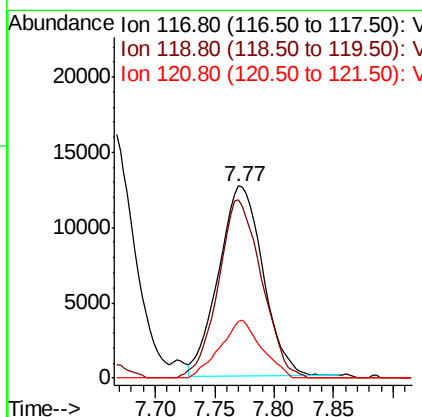
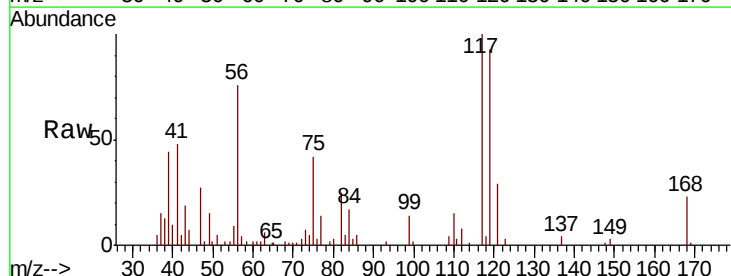
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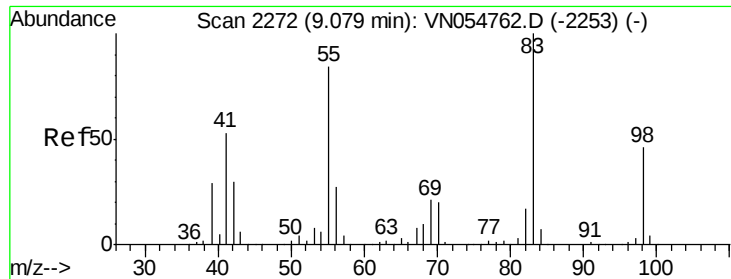
MMDadoda
4/1/2019 4:00:23 PM



#38
Carbon Tetrachloride
Concen: 5.093 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.3	114.5
121	29.9	24.6	36.8





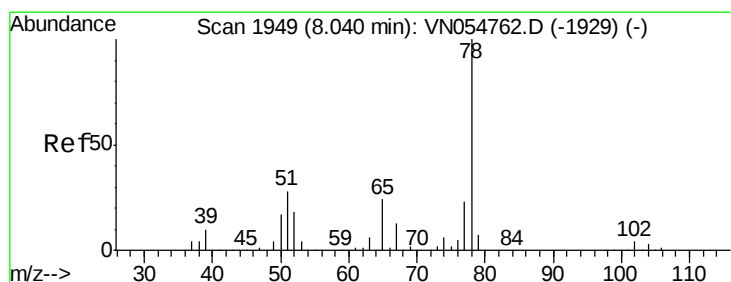
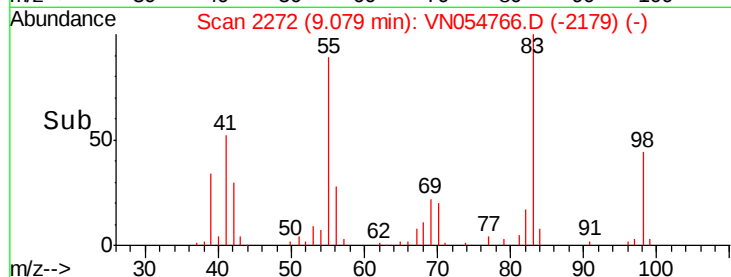
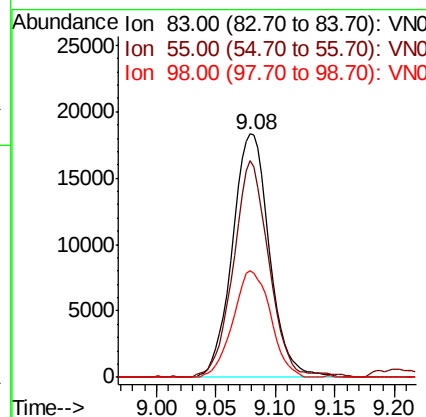
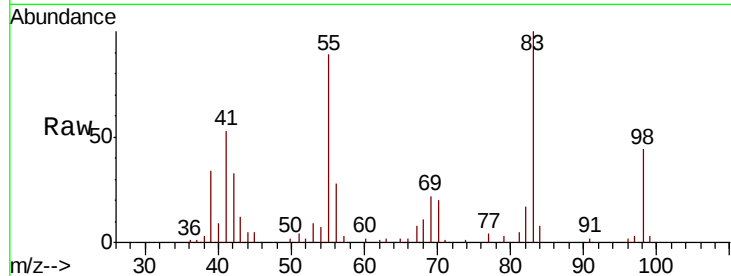
#39
Methvlcvclohexane
Concen: 5.451 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.2	56.6	84.8#
98	43.8	38.4	57.6

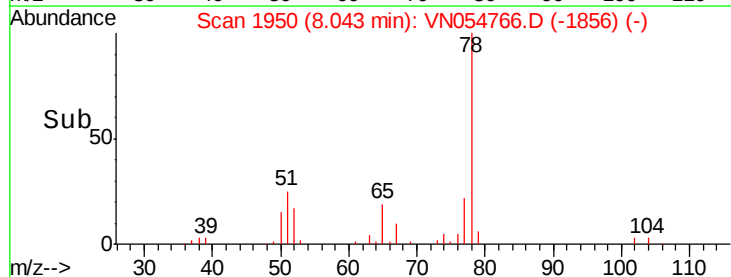
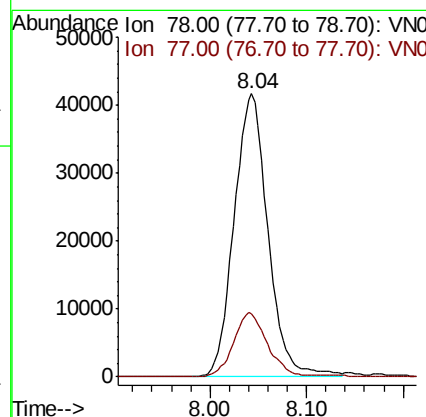
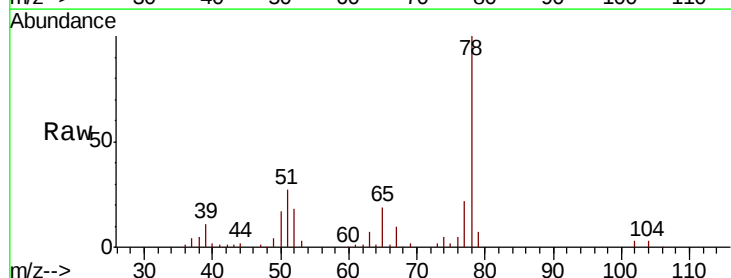
Manual Integrations
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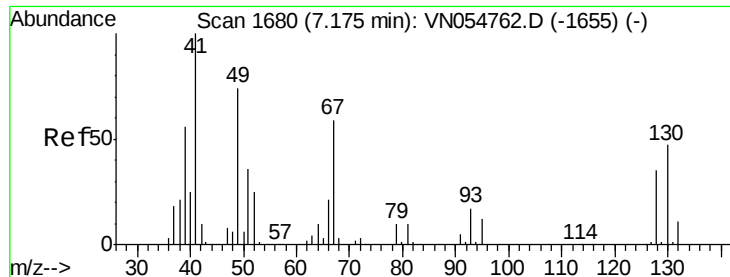
MMDadoda
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#40
Benzene
Concen: 5.382 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.1	28.7





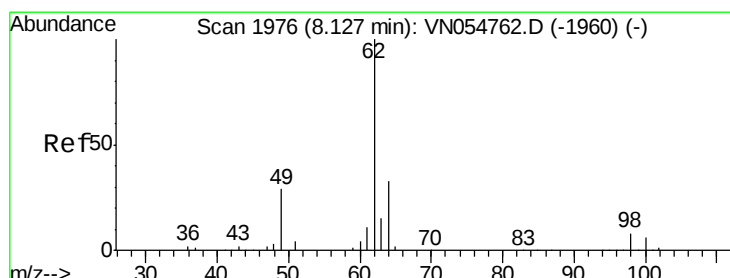
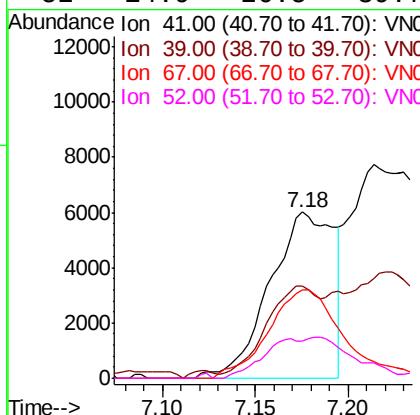
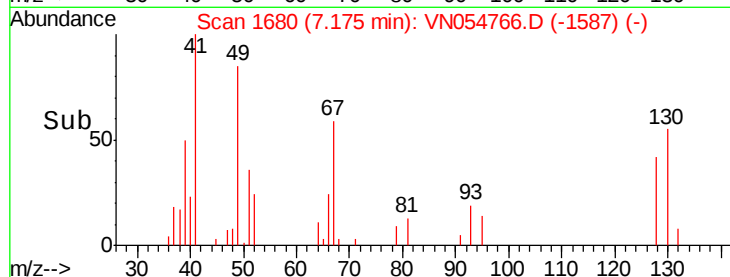
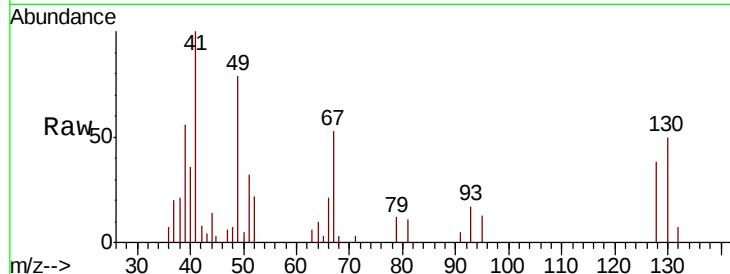
#41
Methacrylonitrile
Concen: 5.302 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleID :
VSTDIC005

Tot Ion: 41 Resp: 14433
Ion Ratio Lower Upper
41 100
39 41.5 46.8 70.2#
67 62.1 67.0 100.4#
52 14.9 26.5 39.7#

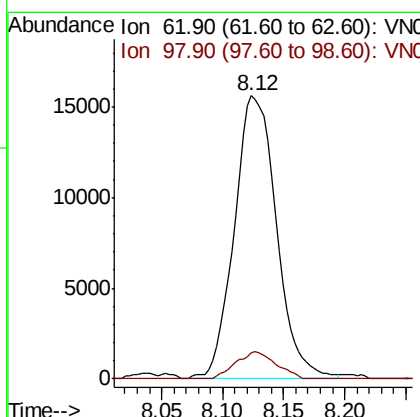
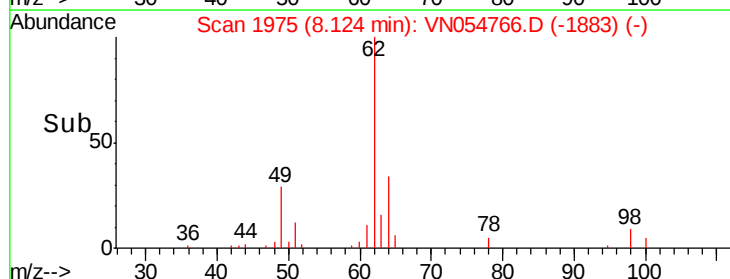
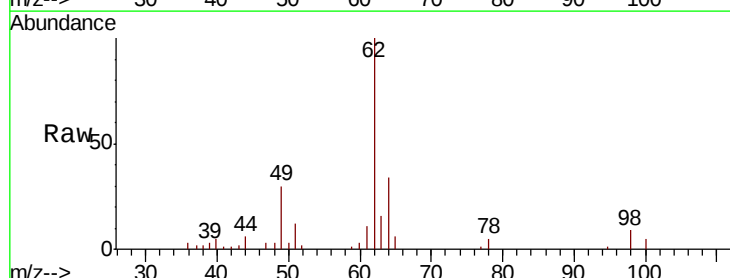
Manual Integrations
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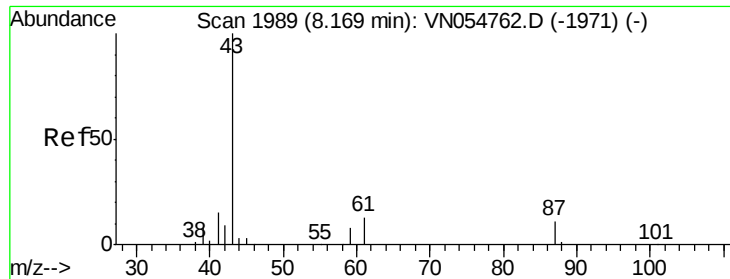
MMDadoda
4/1/2019 4:00:23 PM



#42
1,2-Dichloroethane
Concen: 5.544 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 62 Resp: 37430
Ion Ratio Lower Upper
62 100
98 9.2 0.0 18.4





#43

Isopropyl Acetate

Concen: 5.266 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

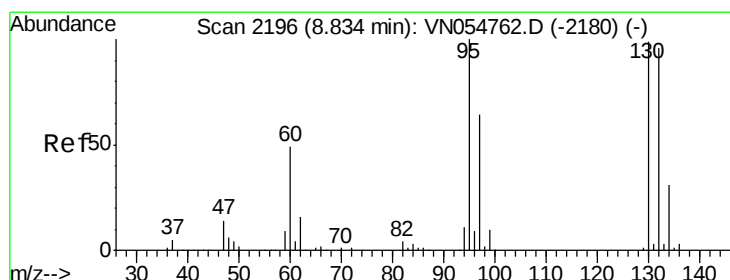
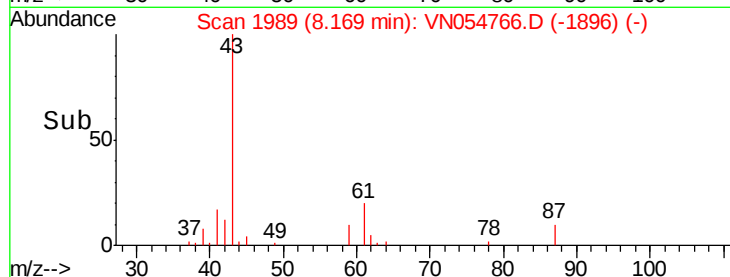
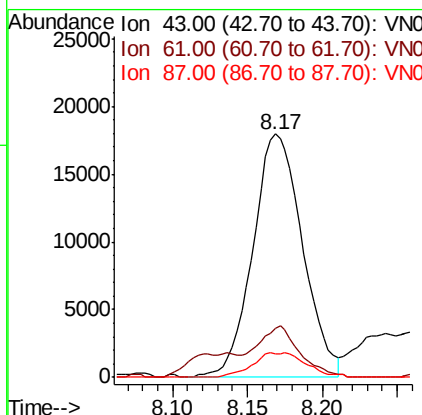
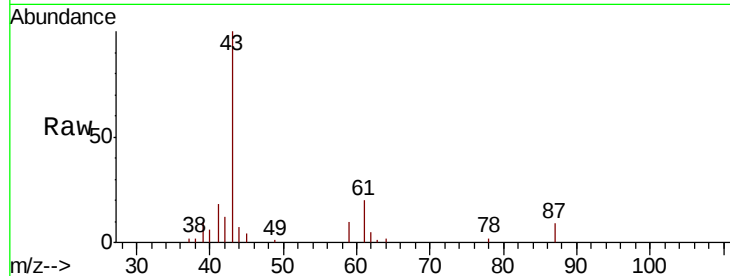
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	41464
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.8
87	5.0	12.0	18.0#

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#44

Trichloroethene

Concen: 5.470 ug/l

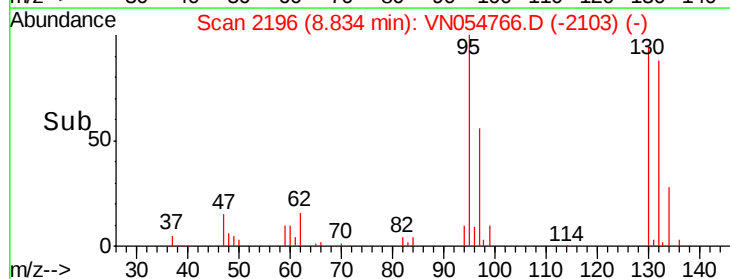
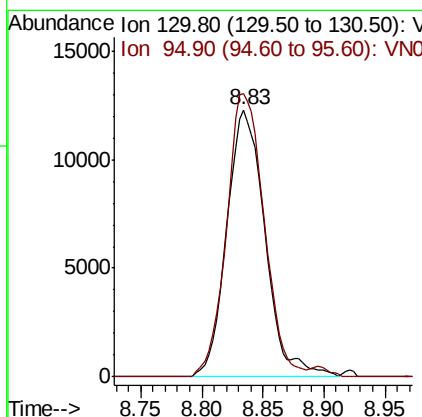
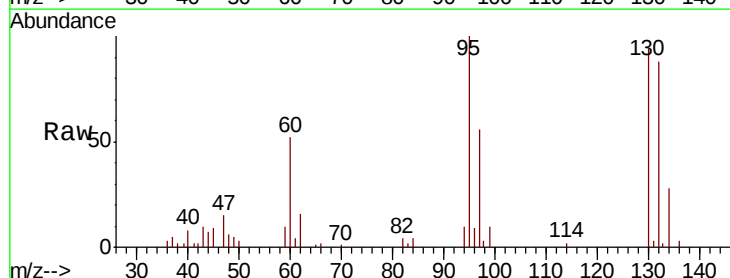
RT: 8.83 min Scan# 2196

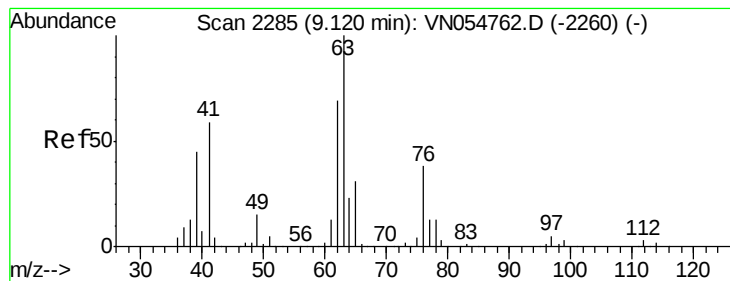
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	130	Resp:	26846
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	185.2





#45

1,2-Dichloropropane

Concen: 5.459 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 29431

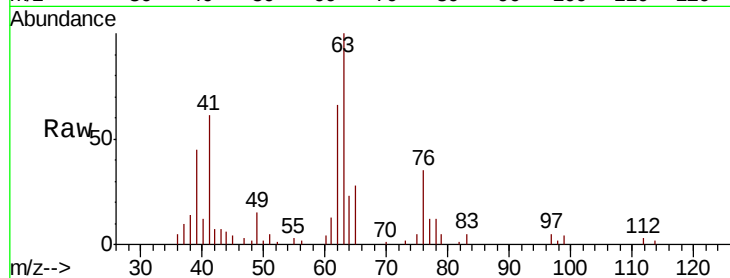
Ion Ratio Lower Upper

63 100

65 27.2 25.0 37.6

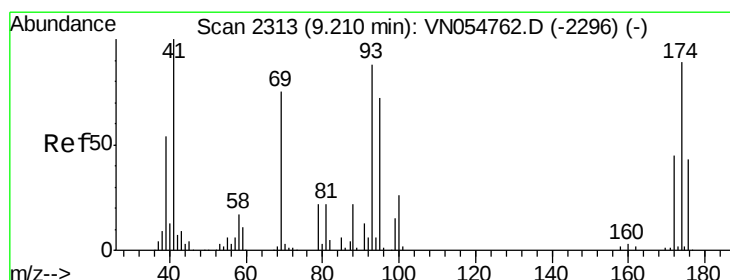
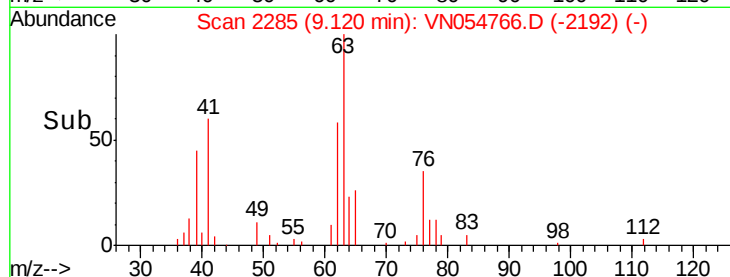
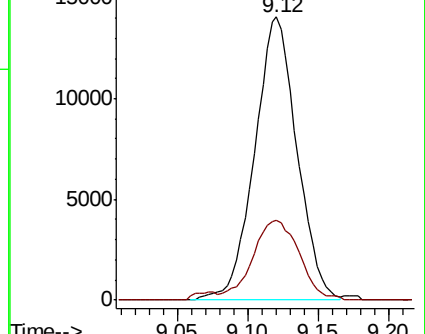
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.263 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

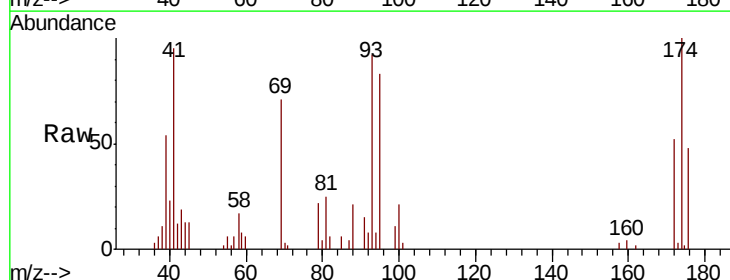
Tgt Ion: 93 Resp: 15963

Ion Ratio Lower Upper

93 100

95 89.8 66.7 100.1

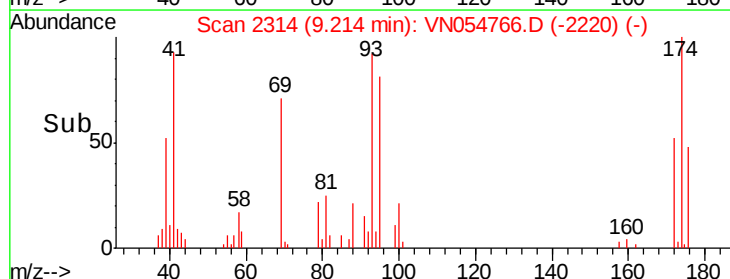
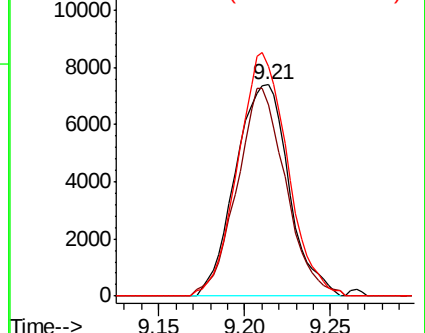
174 106.8 98.5 147.7

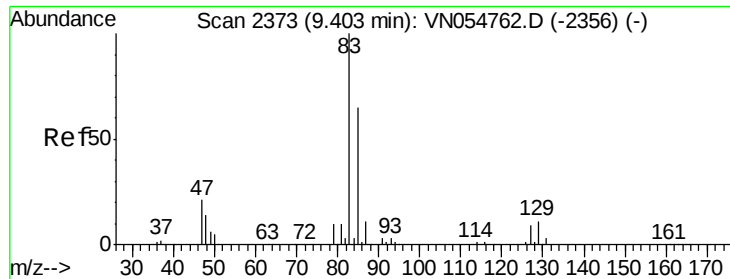


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.101 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

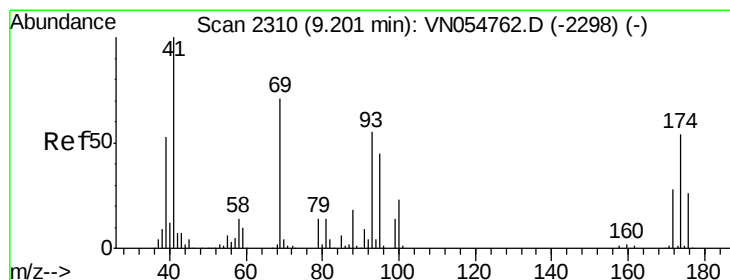
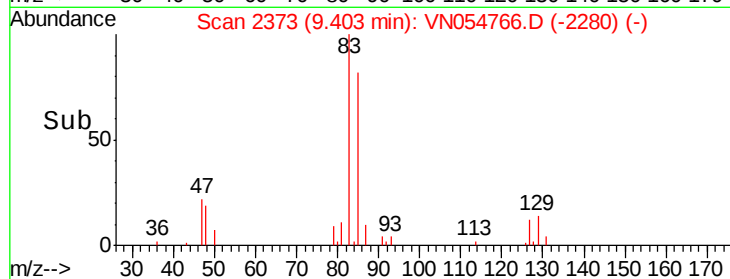
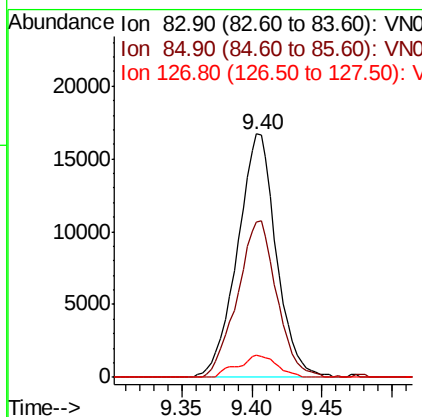
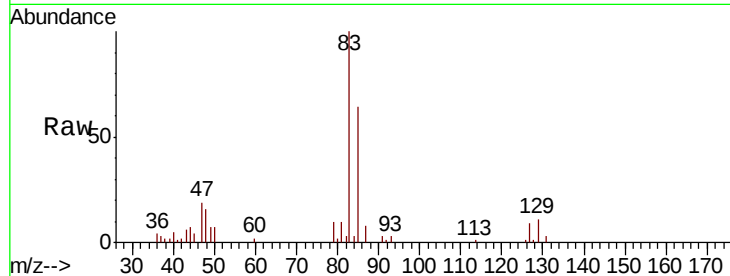
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	32154
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	9.2	7.4	11.2

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#48

Methyl methacrylate

Concen: 4.820 ug/l

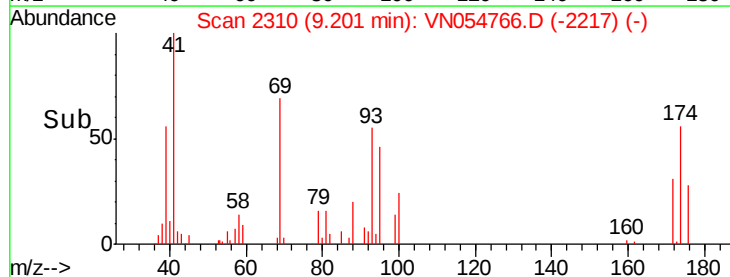
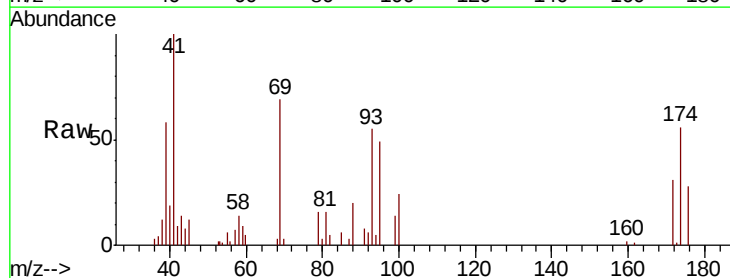
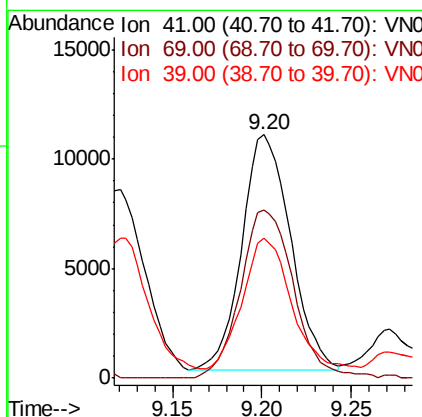
RT: 9.20 min Scan# 2310

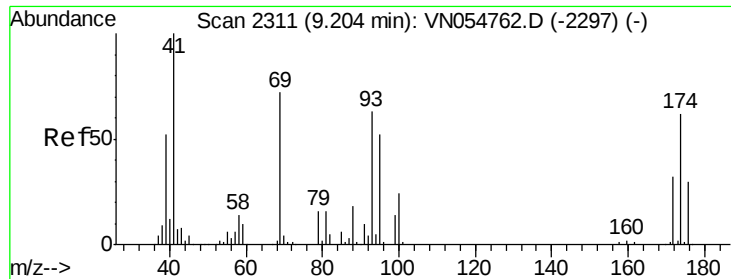
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	41	Resp:	20571
Ion	Ratio	Lower	Upper
41	100		
69	77.7	72.6	108.8
39	61.7	47.5	71.3





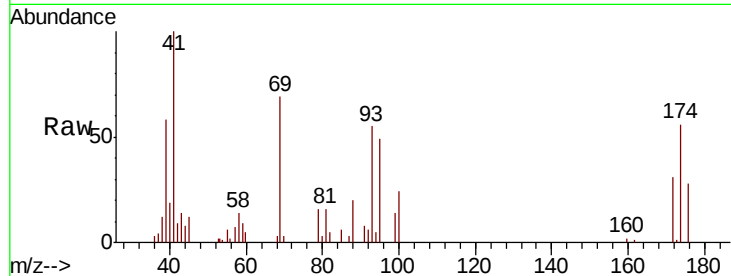
#49
1,4-Dioxane
Concen: 111.150 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

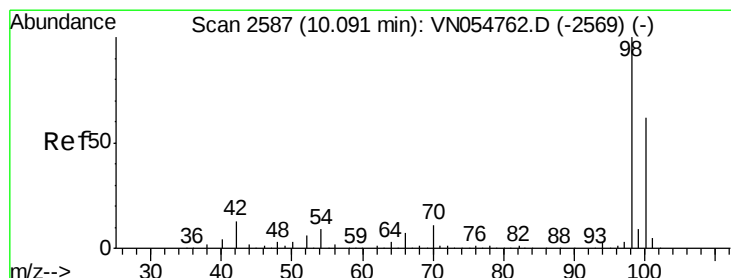
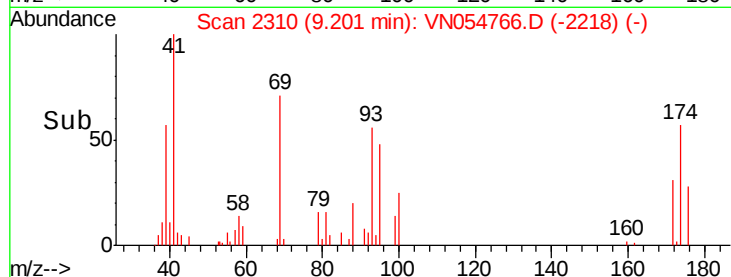
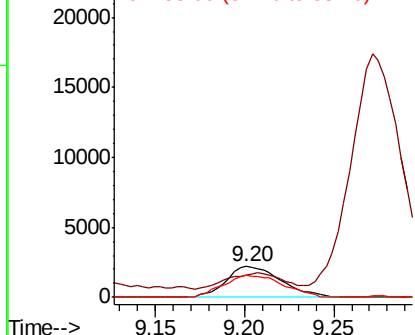
Tot Ion	Ratio	Lower	Upper
88	100		
43	52.6	24.1	36.1#
58	77.3	50.8	76.2#

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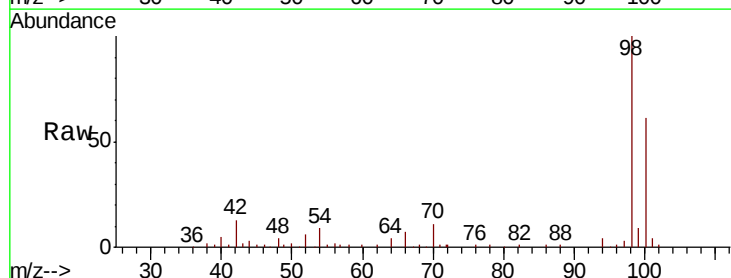


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

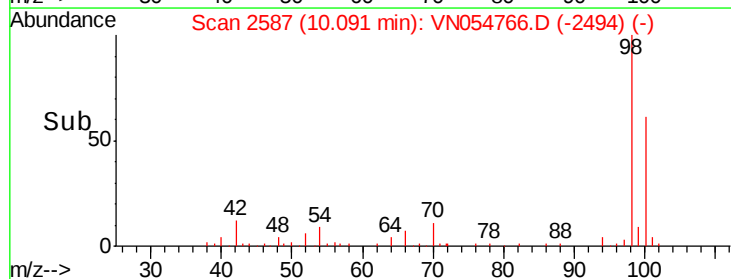
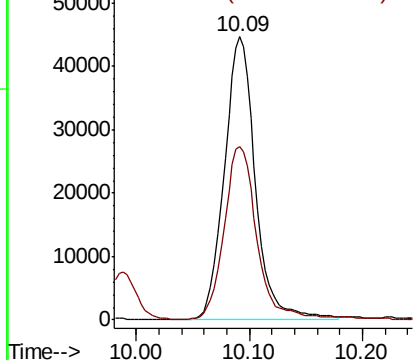


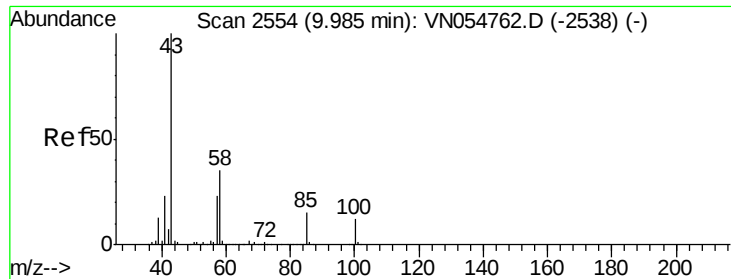
#50
Toluene-d8
Concen: 4.849 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.2	76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 25.846 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 114413

Ion Ratio Lower Upper

43 100

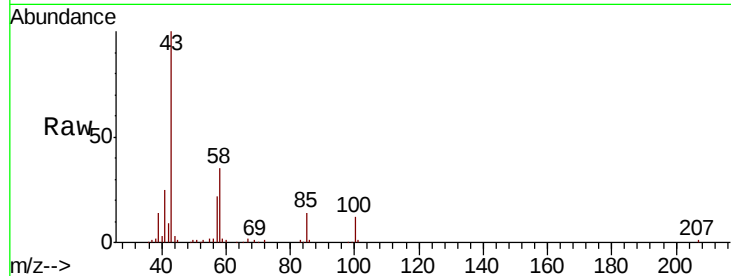
58 35.1 31.8 47.6

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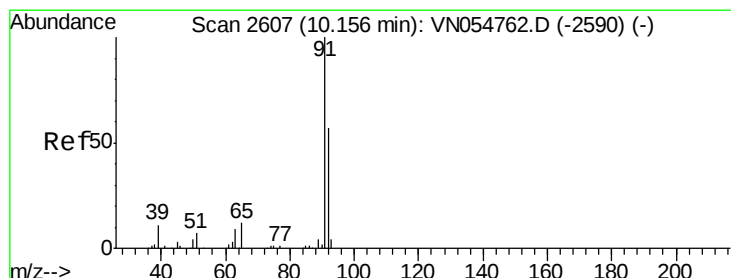
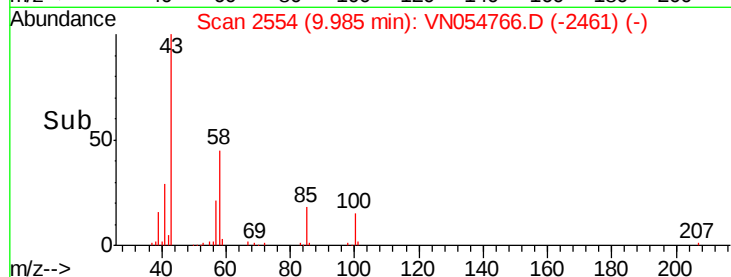
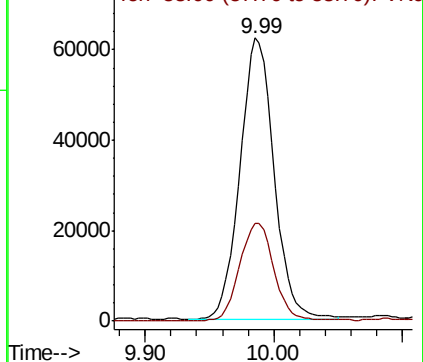
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.293 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054766.D

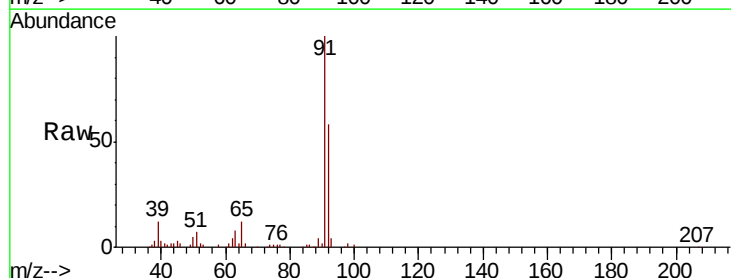
Acq: 29 Mar 2019 13:04

Tgt Ion: 92 Resp: 59550

Ion Ratio Lower Upper

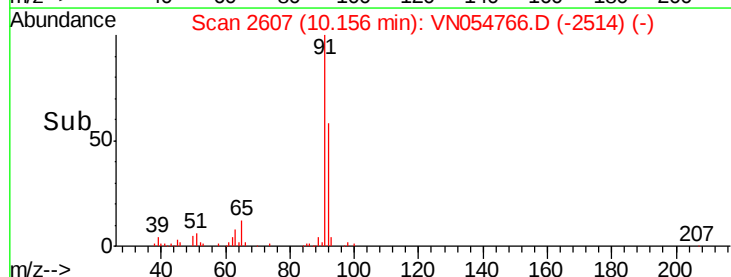
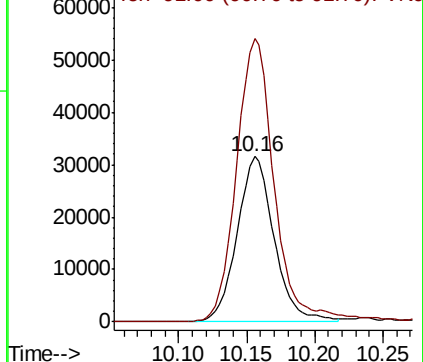
92 100

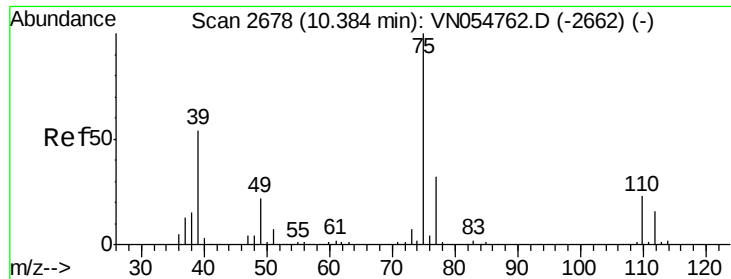
91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





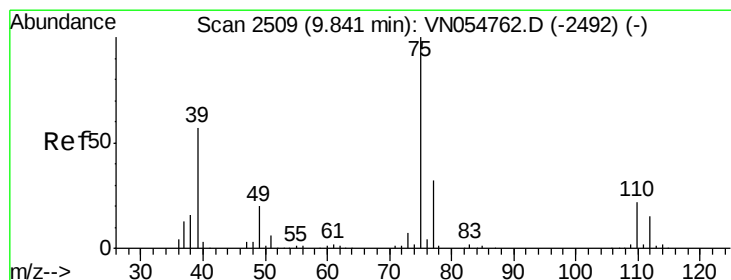
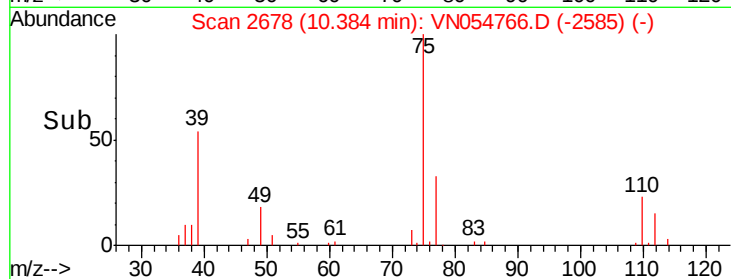
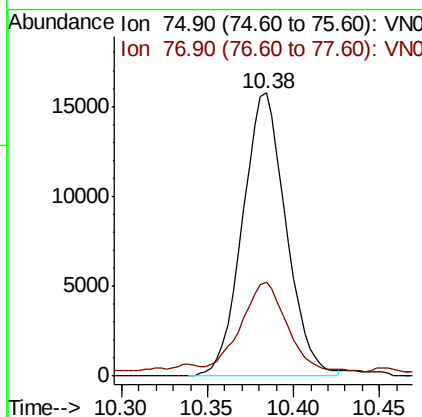
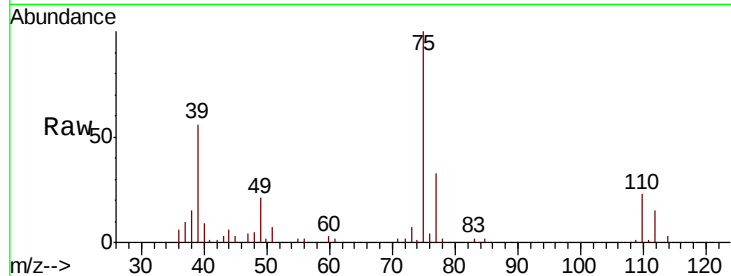
#53
 t-1,3-Dichloropropene
 Concen: 4.671 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.8	38.8

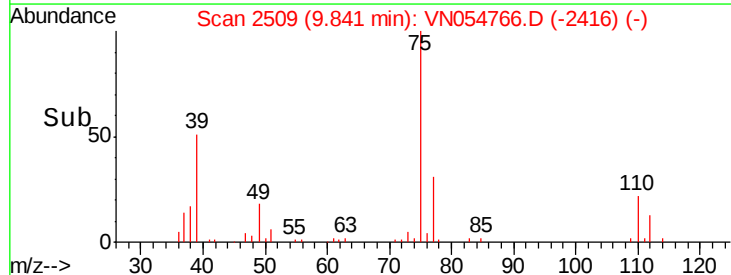
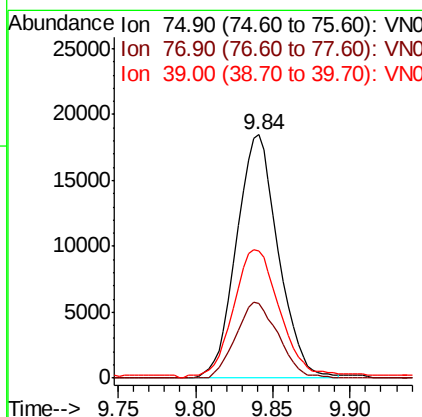
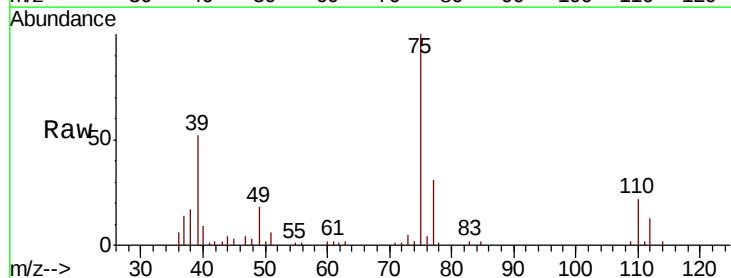
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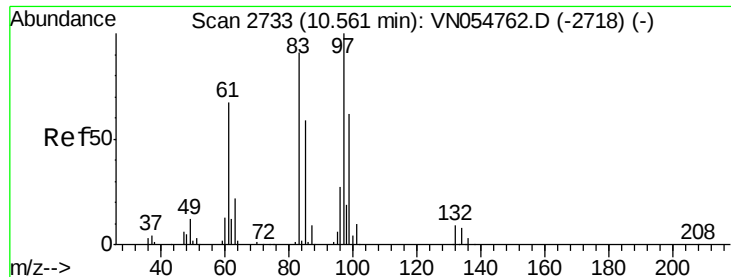
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#54
 cis-1,3-Dichloropropene
 Concen: 4.904 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	51.3	37.2	55.8





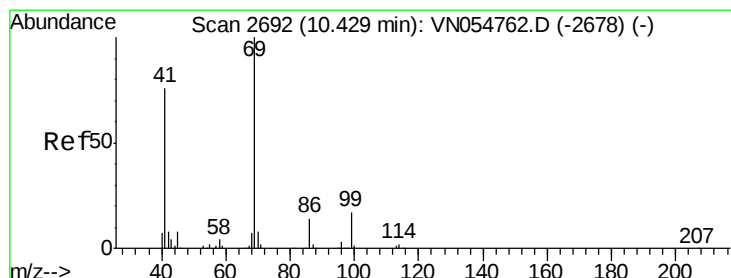
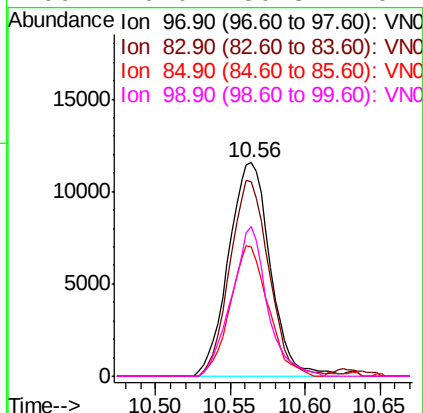
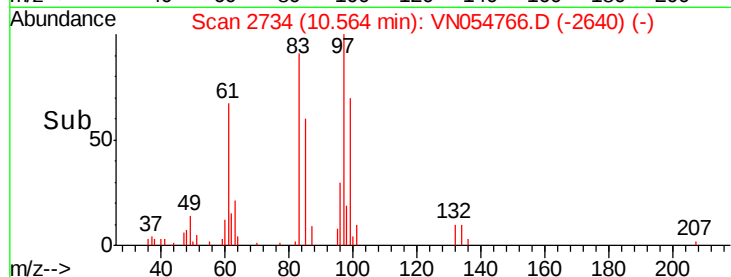
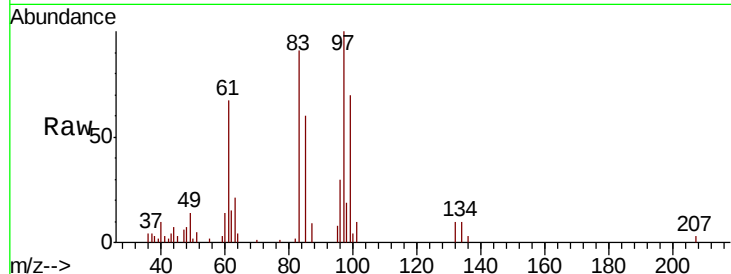
#55
 1,1,2-Trichloroethane
 Concen: 5.380 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	22507
Ion	Ratio	Lower	Upper
97	100		
83	91.2	66.6	100.0
85	60.5	44.4	66.6
99	70.0	50.8	76.2

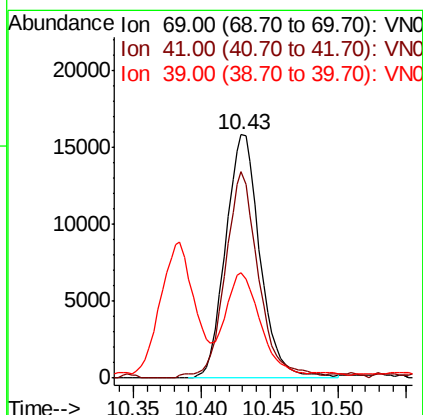
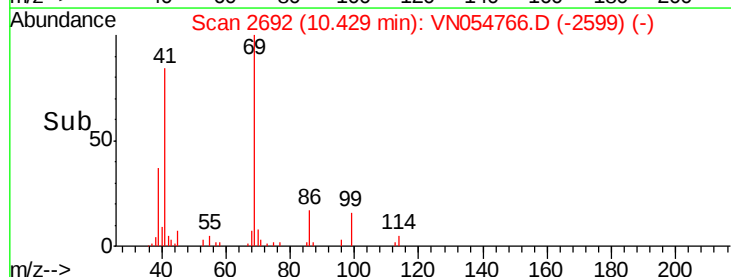
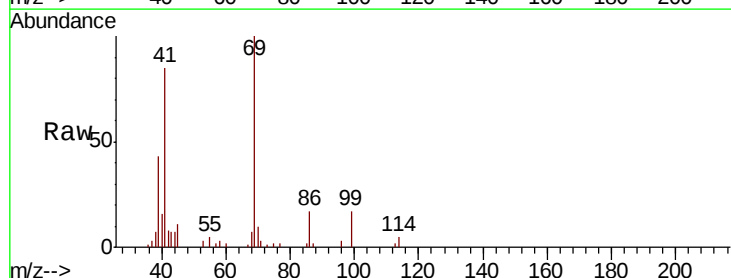
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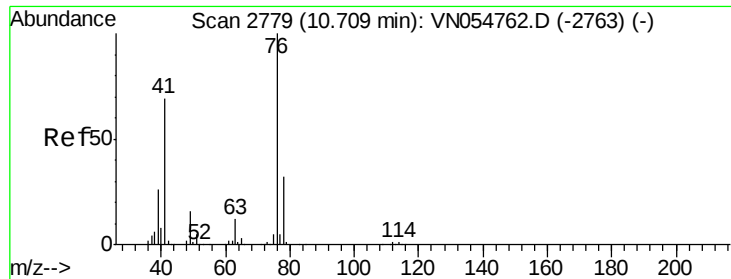
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#56
 Ethyl methacrylate
 Concen: 5.035 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion:	69	Resp:	27632
Ion	Ratio	Lower	Upper
69	100		
41	82.5	49.4	74.2#
39	42.3	28.3	42.5





#57

1,3-Dichloropropane

Concen: 5.243 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 37710

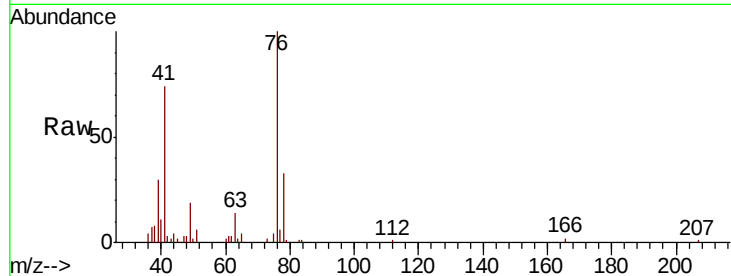
Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5

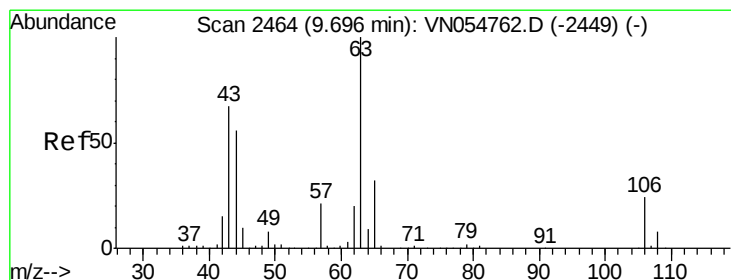
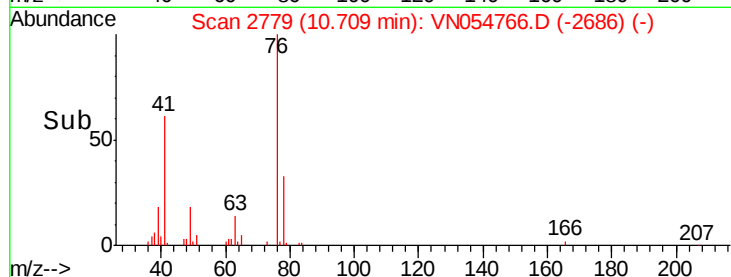
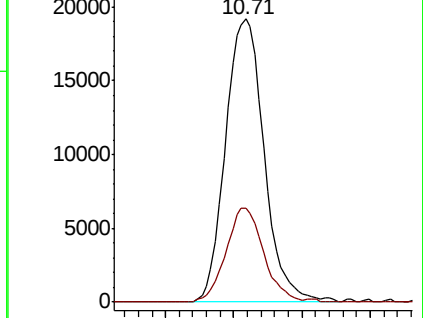
Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 22.934 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054766.D

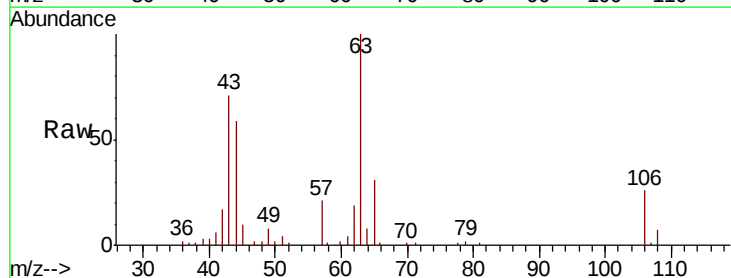
Acq: 29 Mar 2019 13:04

Tgt Ion: 63 Resp: 48260

Ion Ratio Lower Upper

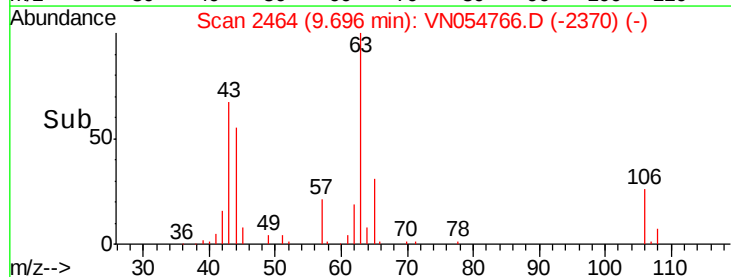
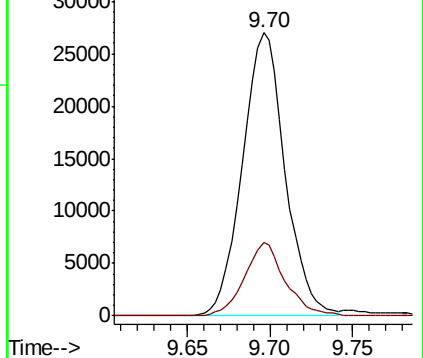
63 100

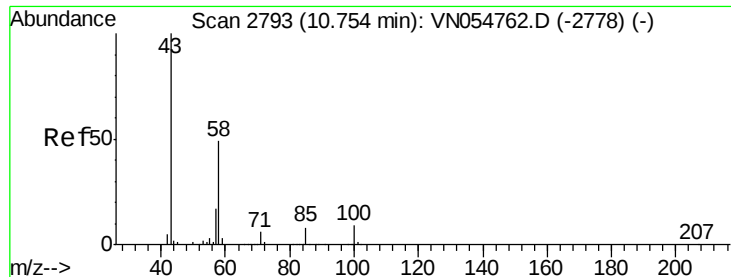
106 24.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





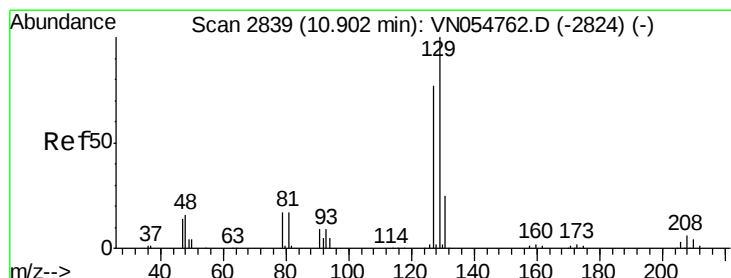
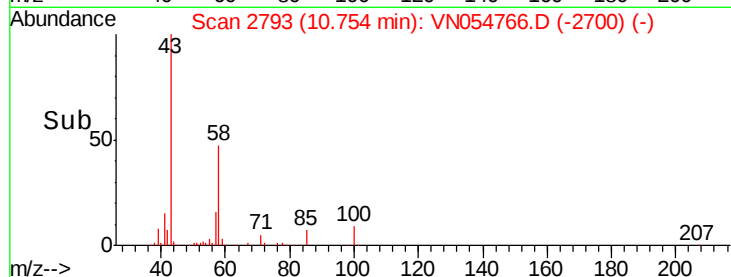
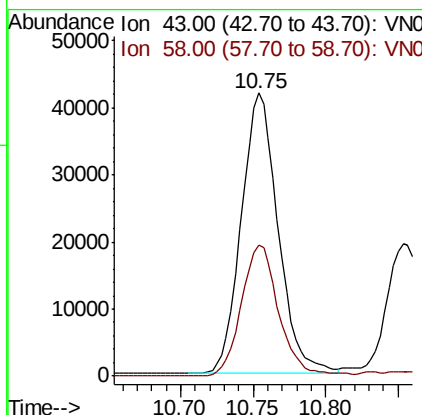
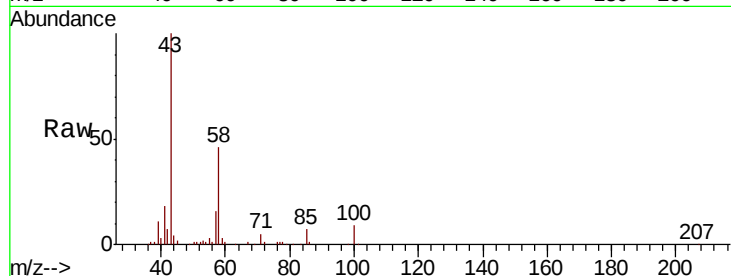
#59
2-Hexanone
Concen: 26.130 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 74046
Ion Ratio Lower Upper
43 100
58 47.6 28.0 83.9

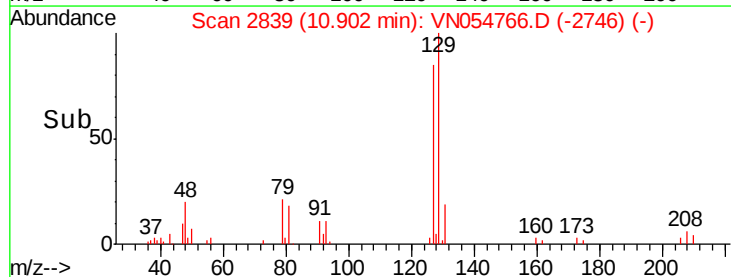
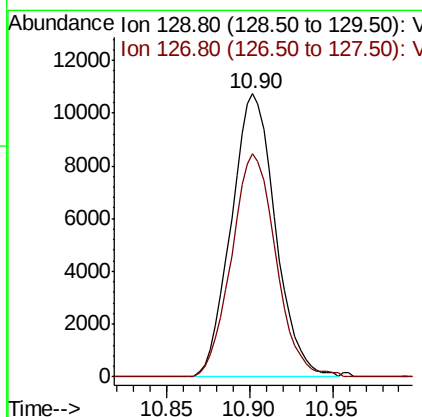
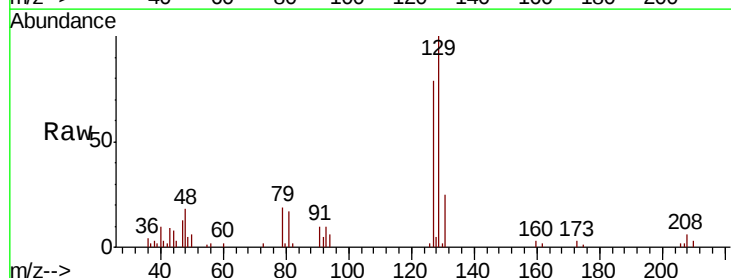
Manual Integrations
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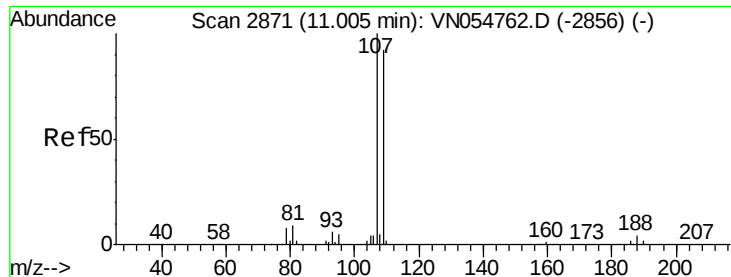
MMDadoda
4/1/2019 4:00:23 PM



#60
Dibromochloromethane
Concen: 4.703 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 129 Resp: 19931
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 5.225 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 20890

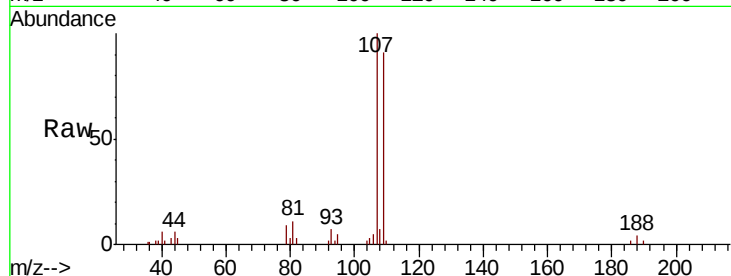
Ion Ratio Lower Upper

107 100

109 91.8 75.9 113.9

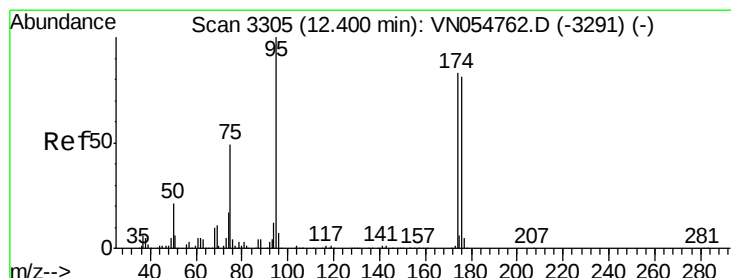
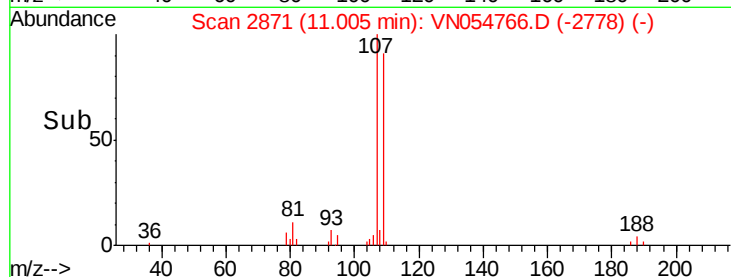
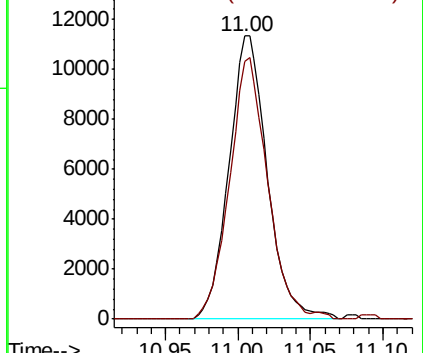
Manual Integrations
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4/1/2019 4:00:23 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.819 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

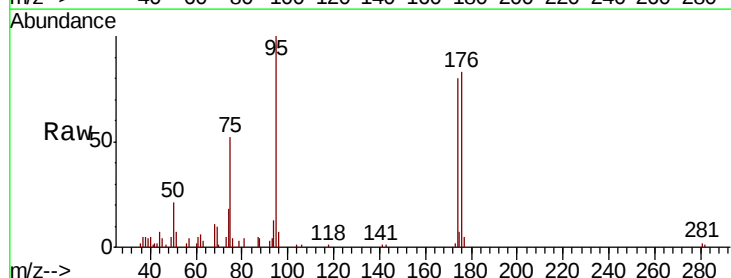
Tgt Ion: 95 Resp: 28168

Ion Ratio Lower Upper

95 100

174 85.0 0.0 191.0

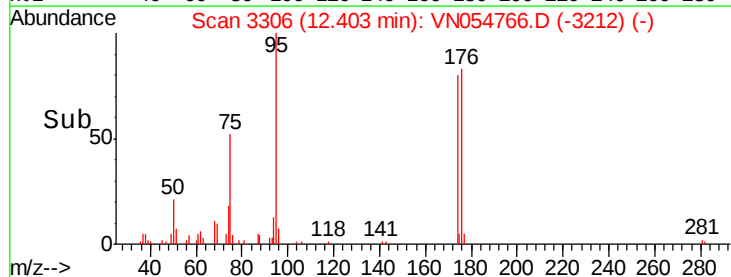
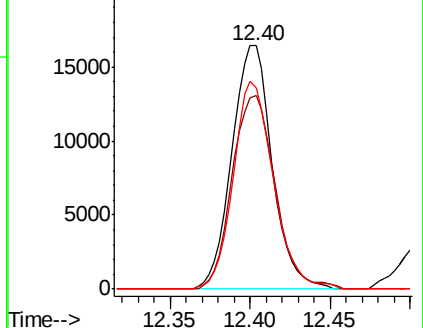
176 85.1 0.0 187.4

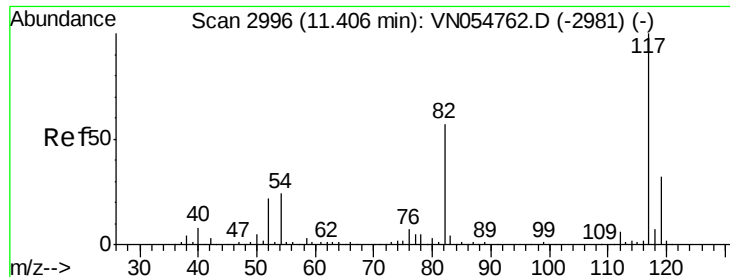


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





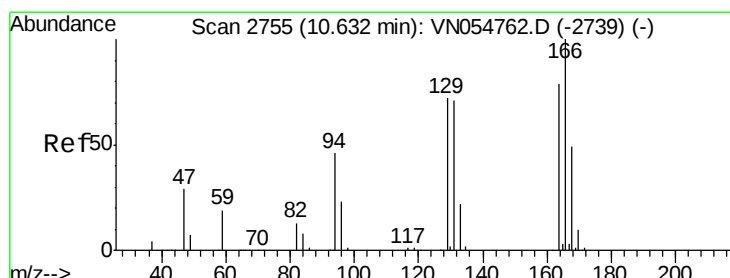
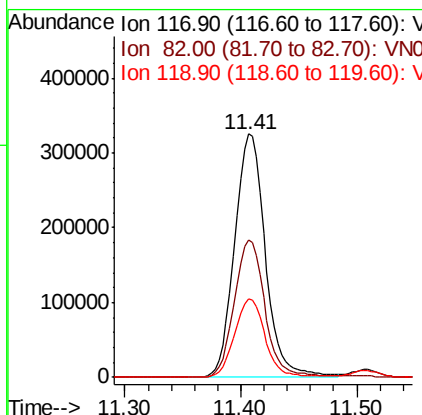
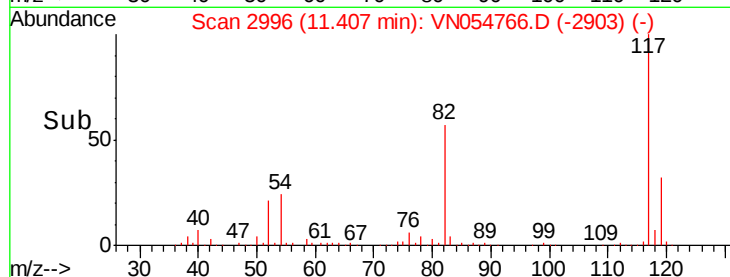
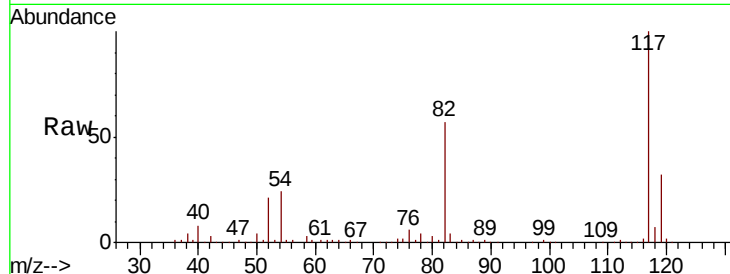
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	40.0	60.0
119	32.0	25.8	38.6

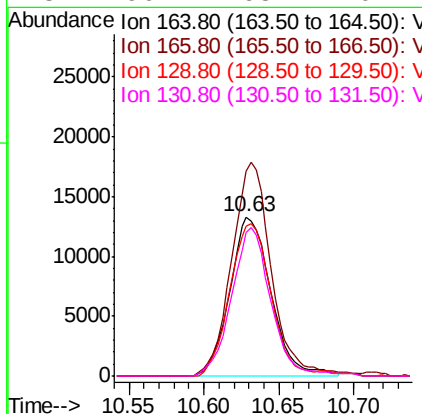
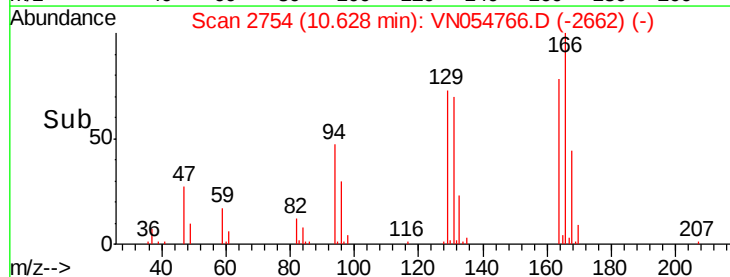
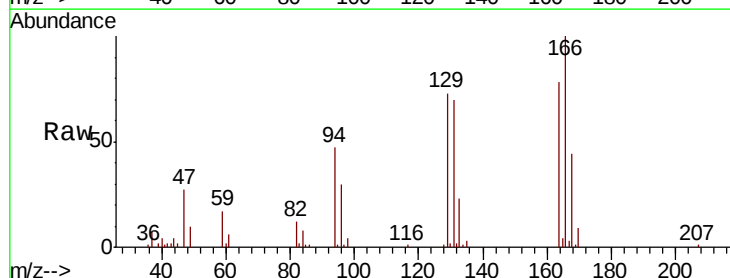
Manual Integrations
APPROVED

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4/1/2019 4:00:23 PM



#64
Tetrachloroethene
Concen: 5.537 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.9	155.9
129	94.0	71.1	106.7
131	90.2	68.2	102.4





#65

Chlorobenzene

Concen: 5.396 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 63361

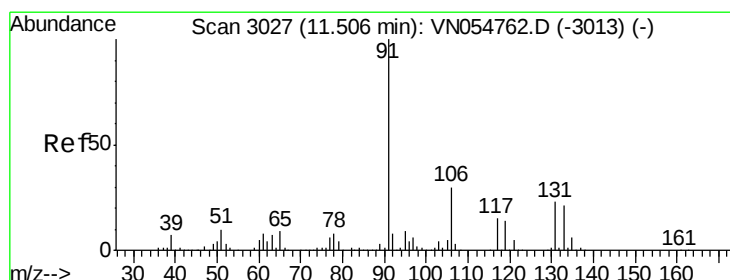
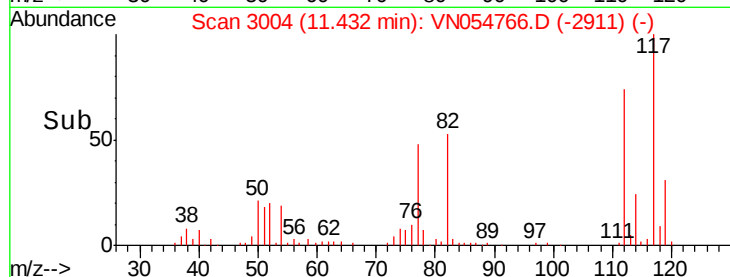
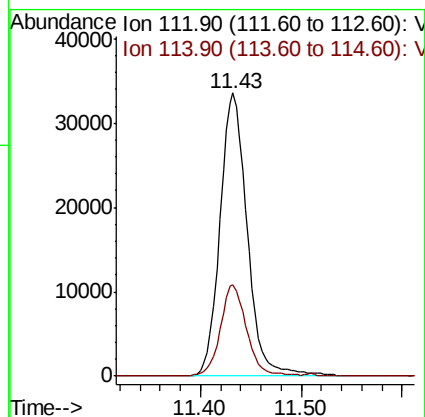
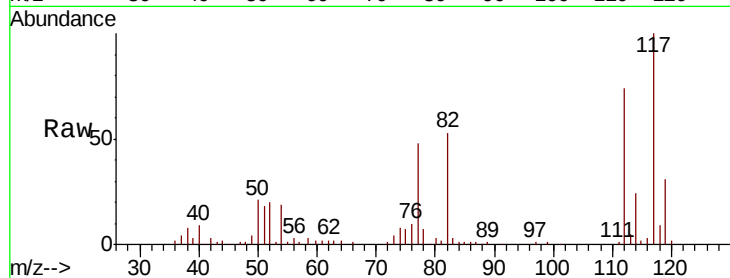
Ion Ratio Lower Upper

112 100

114 32.3 25.9 38.9

Manual Integrations
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4/1/2019 4:00:23 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 5.171 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

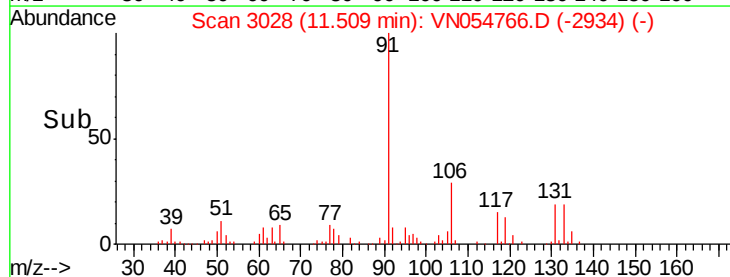
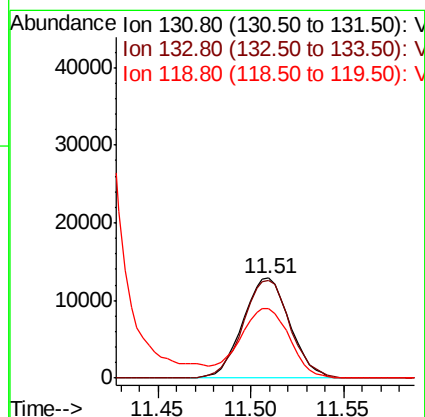
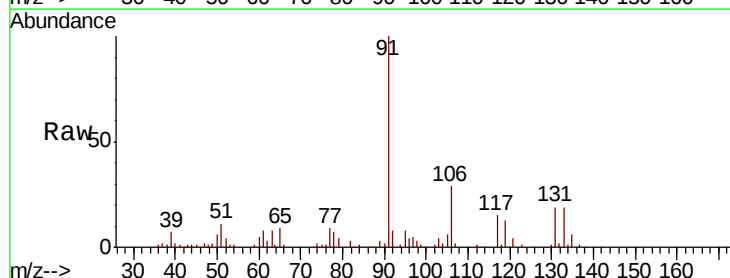
Tgt Ion:131 Resp: 22725

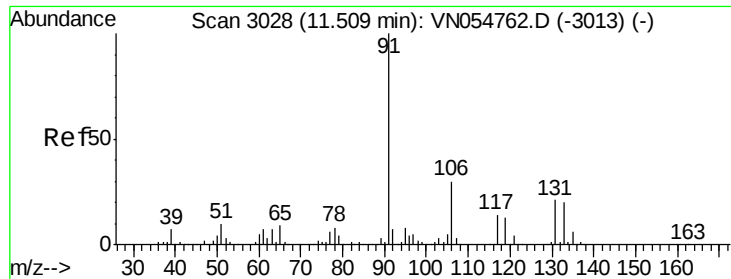
Ion Ratio Lower Upper

131 100

133 98.4 47.6 142.9

119 74.7 32.4 97.0





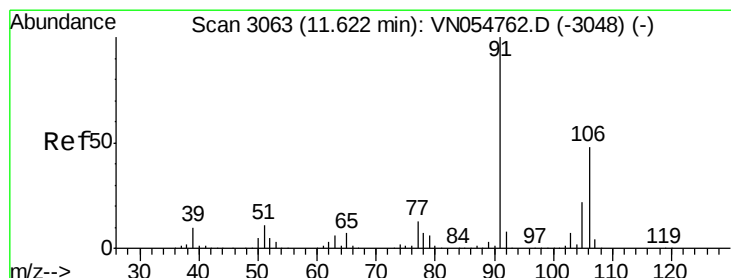
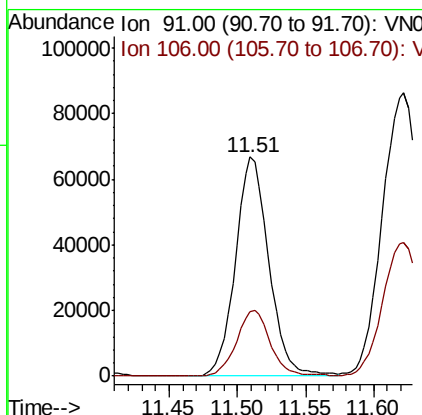
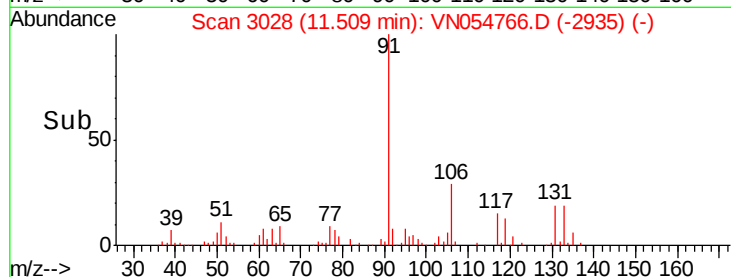
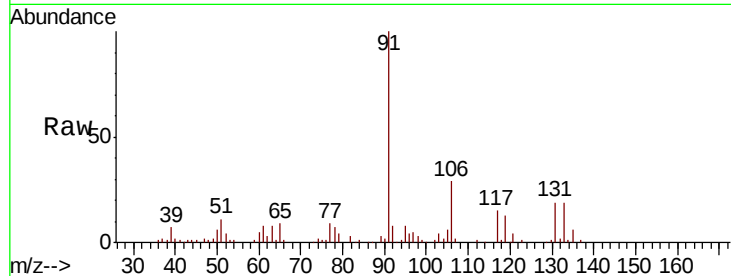
#67
Ethyl Benzene
Concen: 5.367 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 113716
Ion Ratio Lower Upper
91 100
106 29.3 25.5 38.3

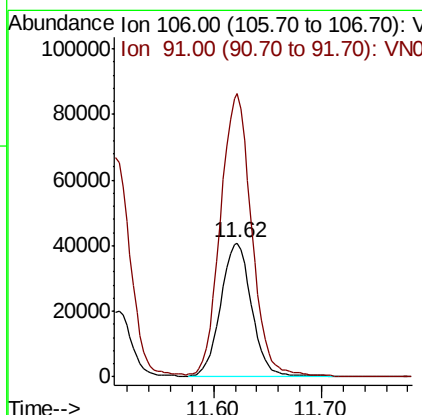
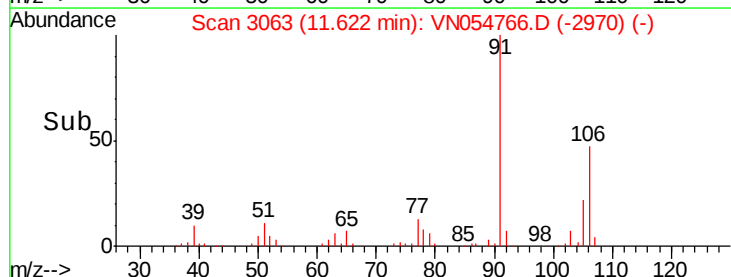
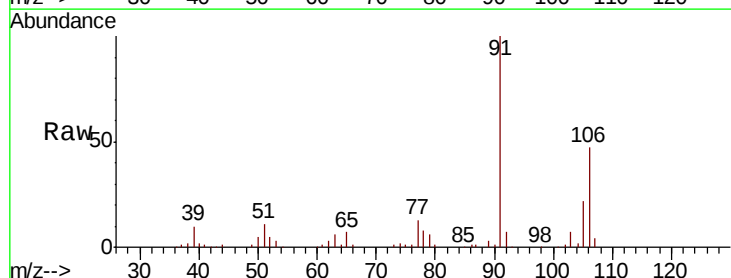
Manual Integrations
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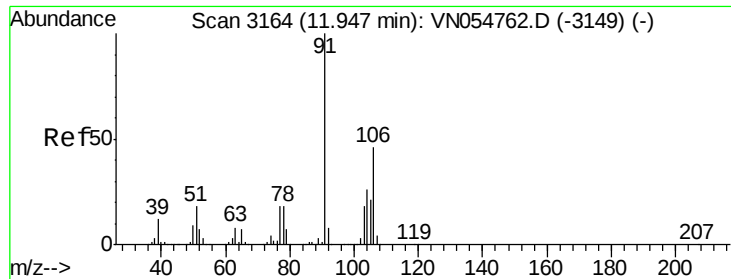
MMDadoda
4/1/2019 4:00:23 PM



#68
m/p-Xylenes
Concen: 10.447 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion: 106 Resp: 81912
Ion Ratio Lower Upper
106 100
91 213.5 159.4 239.2





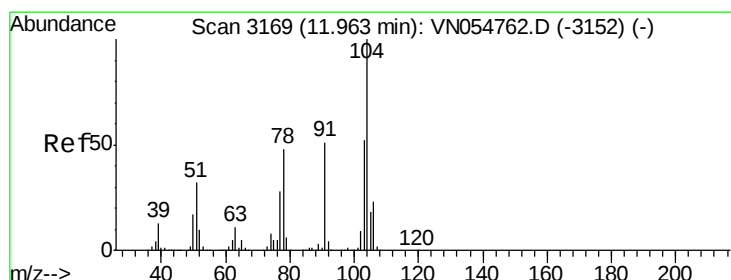
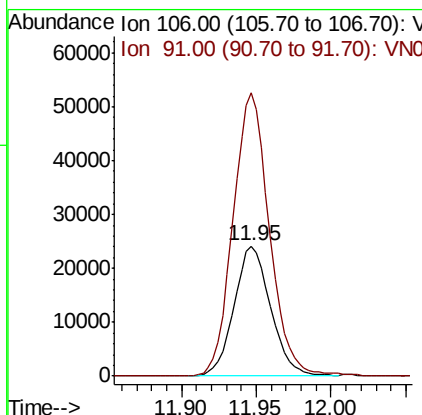
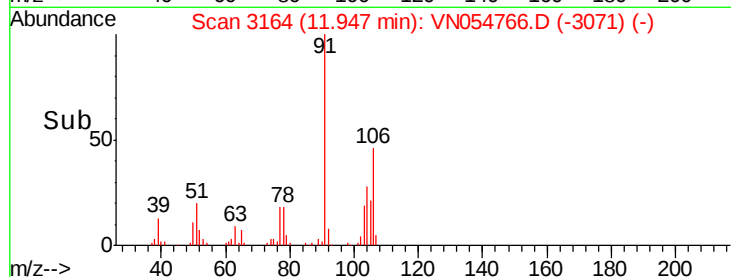
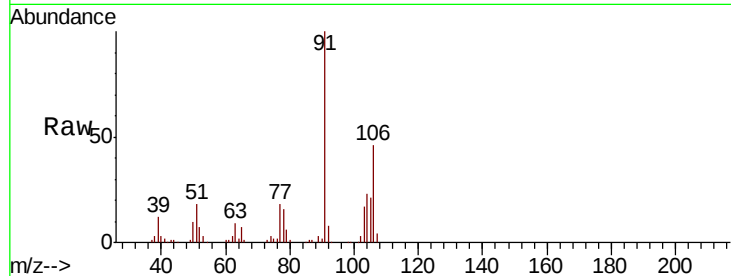
#69
o-Xylene
Concen: 5.350 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 41135
Ion Ratio Lower Upper
106 100
91 215.1 105.7 317.1

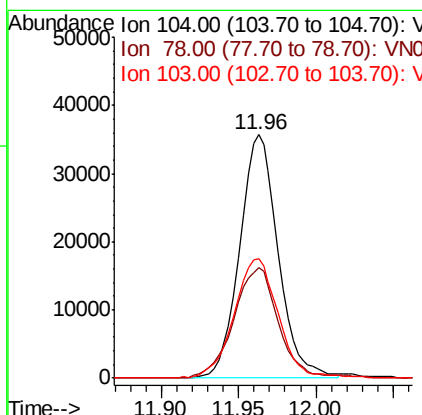
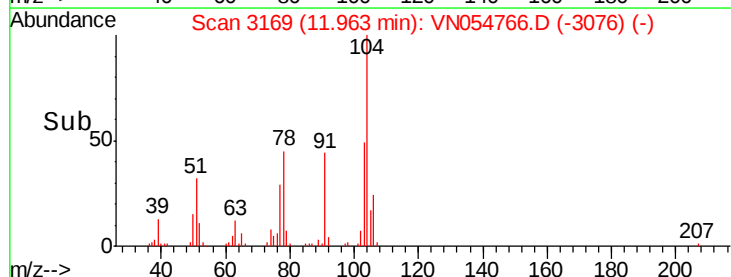
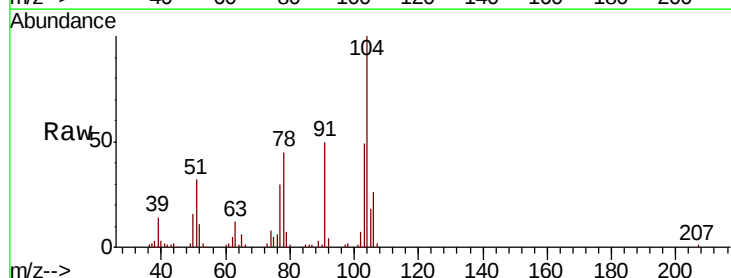
Manual Integrations
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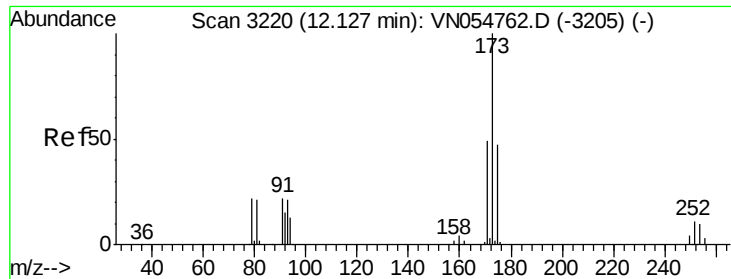
MMDadoda
4/1/2019 4:00:23 PM



#70
Styrene
Concen: 5.028 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion:104 Resp: 61817
Ion Ratio Lower Upper
104 100
78 52.4 38.2 57.2
103 56.2 44.4 66.6





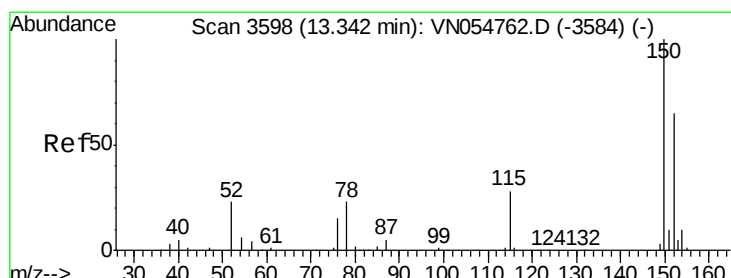
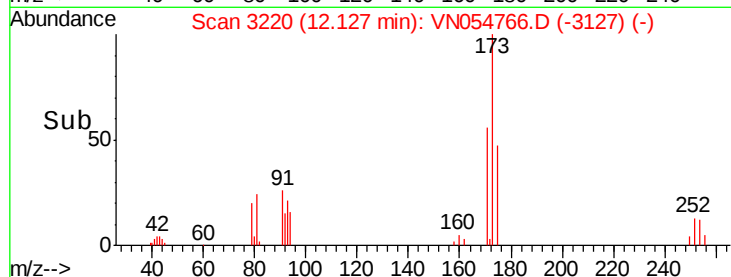
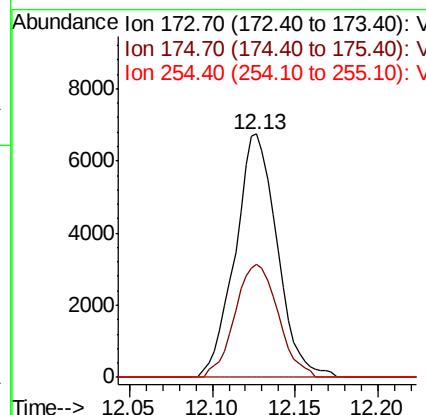
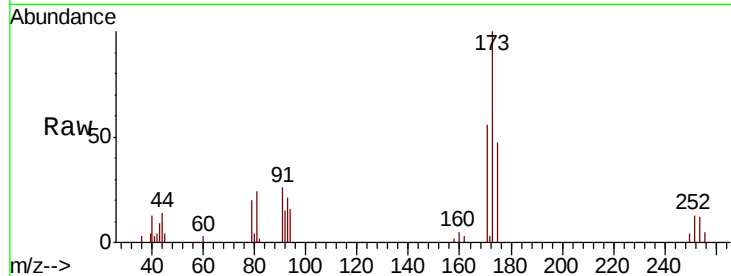
#71
Bromoform
Concen: 4.620 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.2
254	0.0	0.1	0.1#

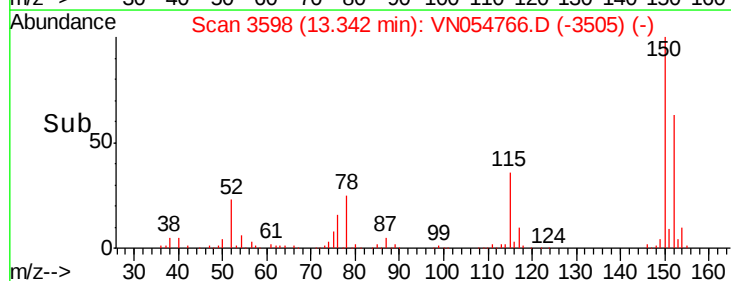
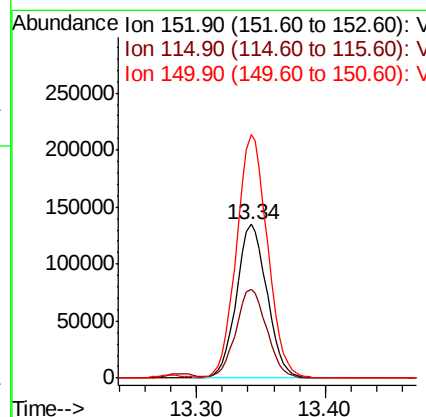
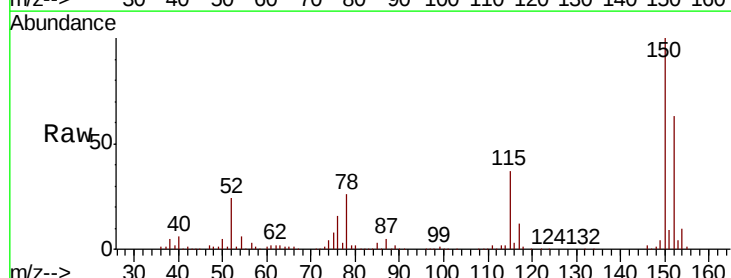
Manual Integrations
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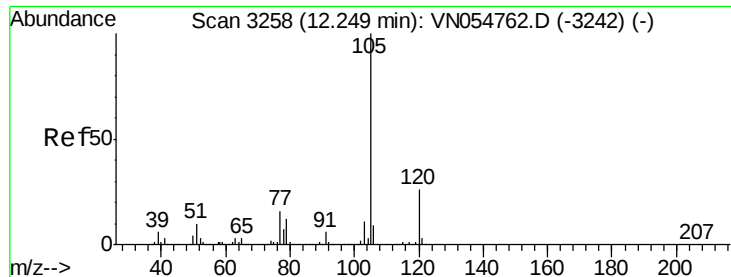
MMDadoda
4/1/2019 4:00:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	27.2	81.6
150	160.5	0.0	349.2





#73

Isopropylbenzene

Concen: 6.009 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 109233

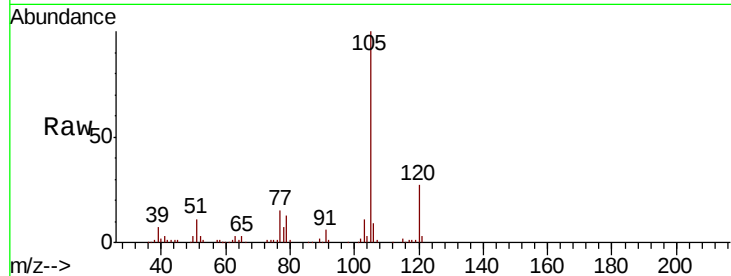
Ion Ratio Lower Upper

105 100

120 26.9 13.8 41.3

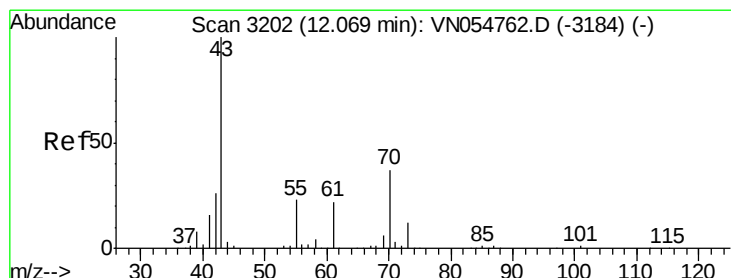
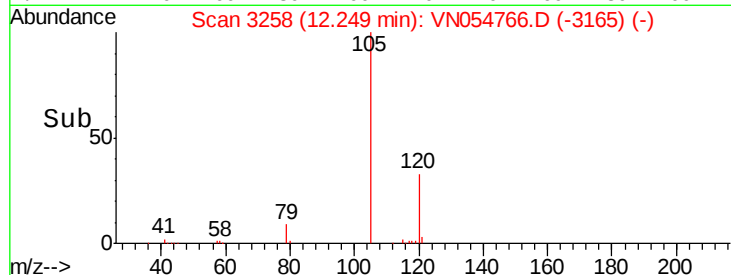
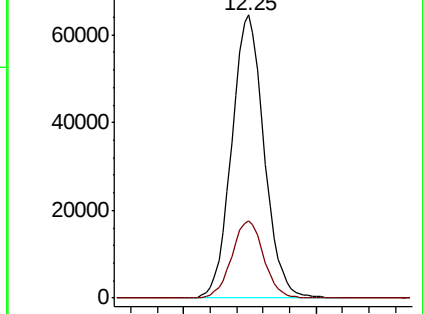
Manual Integrations
APPROVED

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4/1/2019 4:00:23 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 5.498 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion: 43 Resp: 31138

Ion Ratio Lower Upper

43 100

70 34.6 35.4 53.0#

55 22.7 19.8 29.6

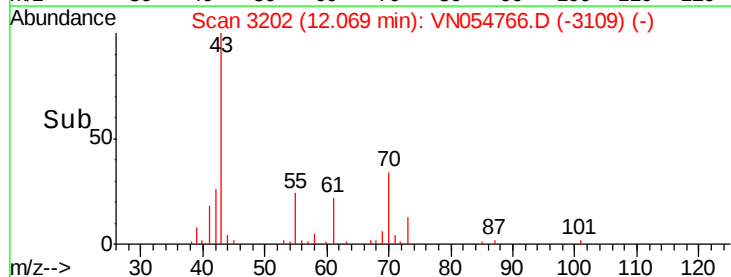
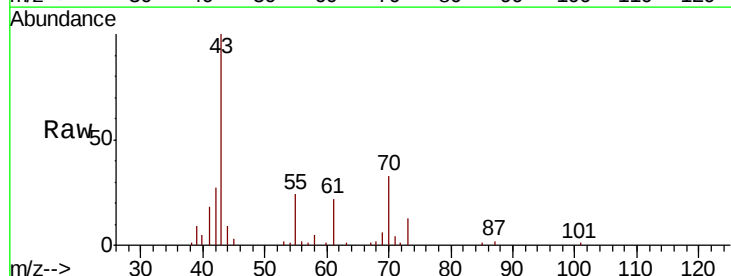
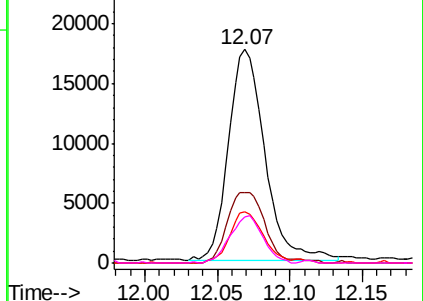
61 19.9 19.8 29.6

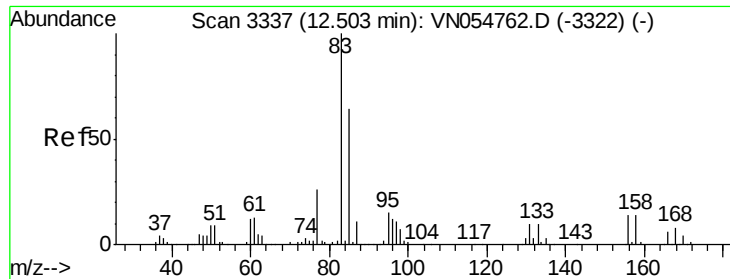
Abundance Ion 43.00 (42.70 to 43.70): V

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: 5.841 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

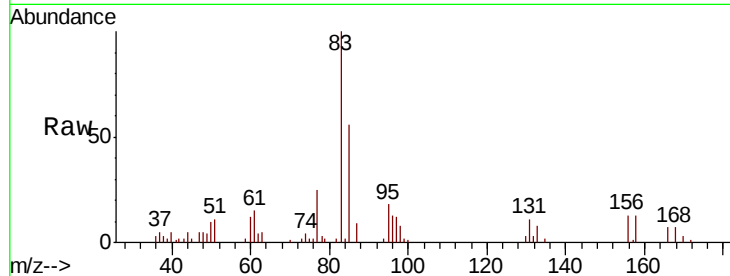
ClientSampleId :

VSTDIC005

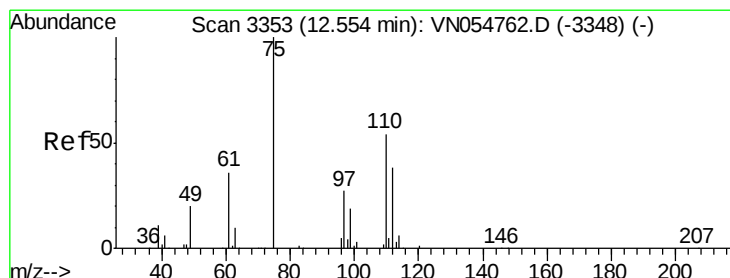
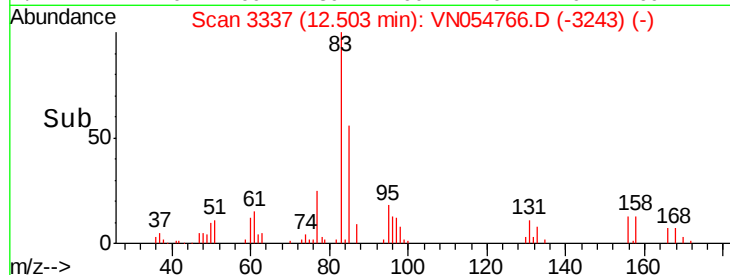
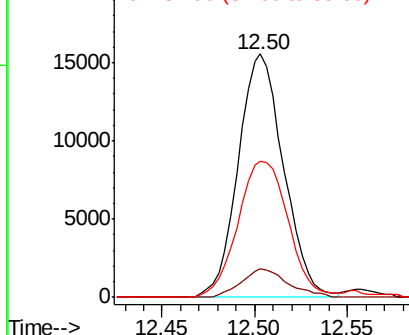
Tot Ion:	83	Resp:	26371
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.4
85	62.1	32.2	96.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 6.059 ug/l m

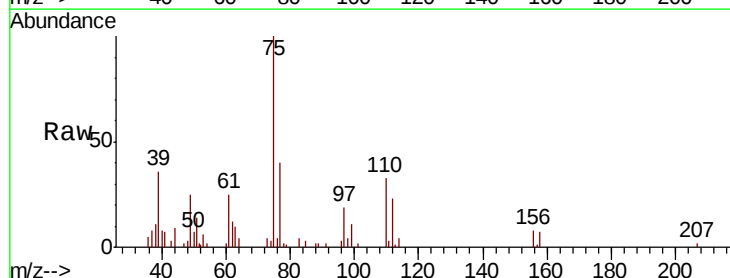
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

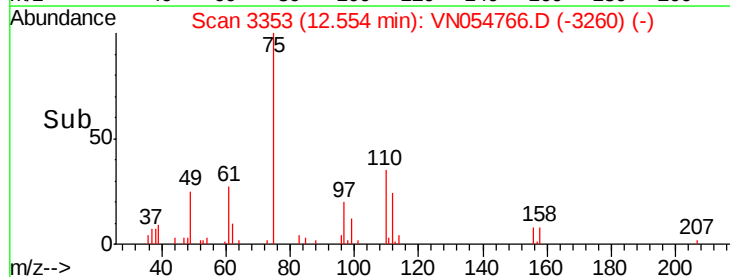
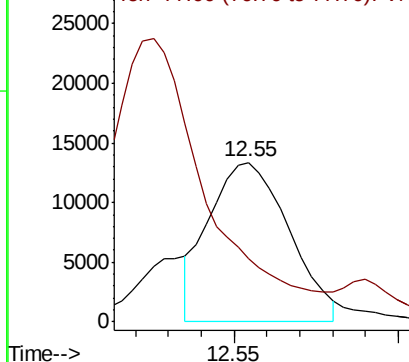
Lab File: VN054766.D

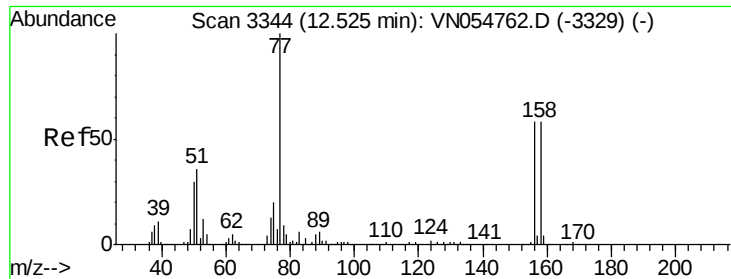
Acq: 29 Mar 2019 13:04

Tgt Ion:	75	Resp:	22628
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 5.477 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 24030

Ion Ratio Lower Upper

156 100

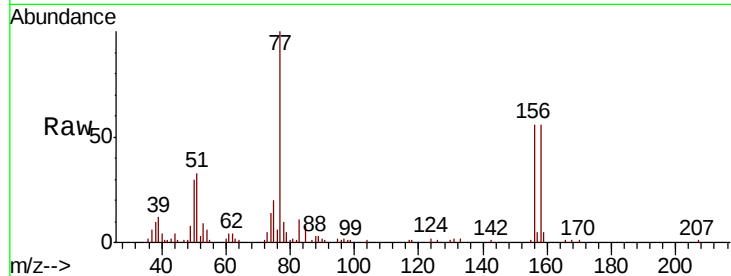
77 208.6 81.5 244.4

158 102.1 49.0 147.2

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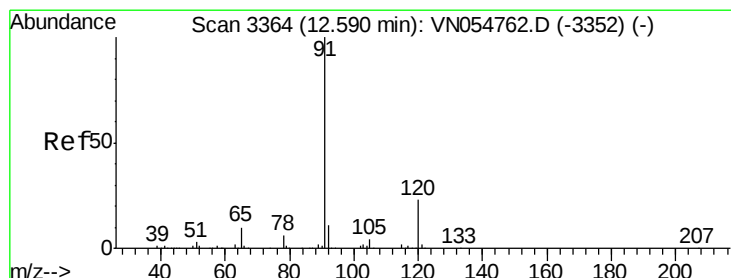
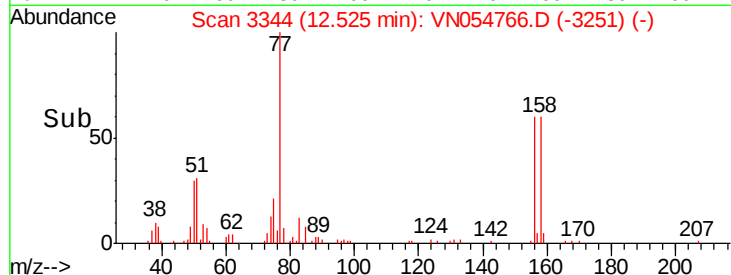
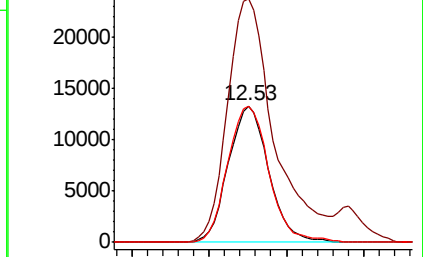
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.619 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054766.D

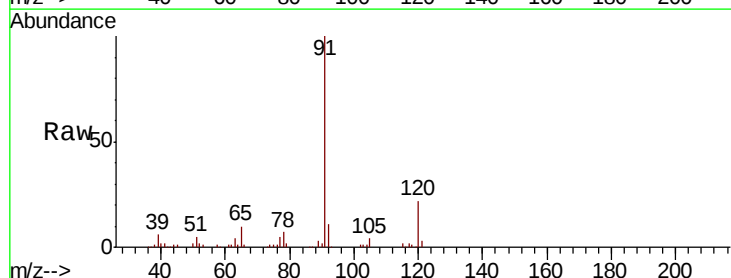
Acq: 29 Mar 2019 13:04

Tgt Ion: 91 Resp: 112273

Ion Ratio Lower Upper

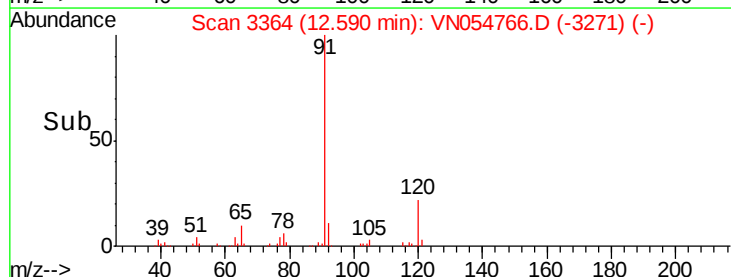
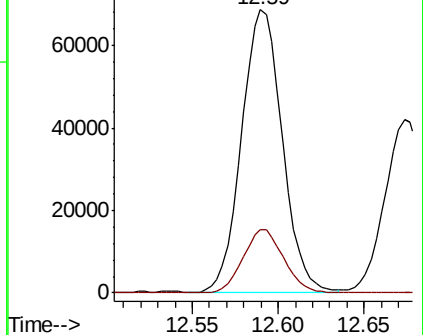
91 100

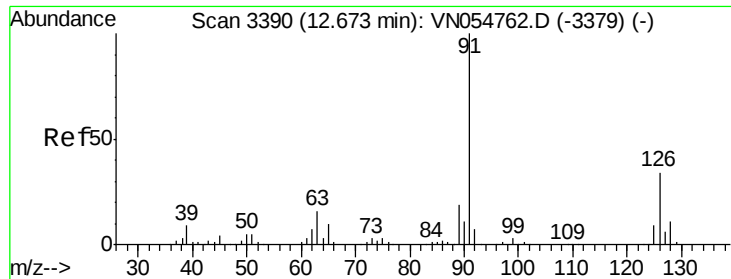
120 22.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





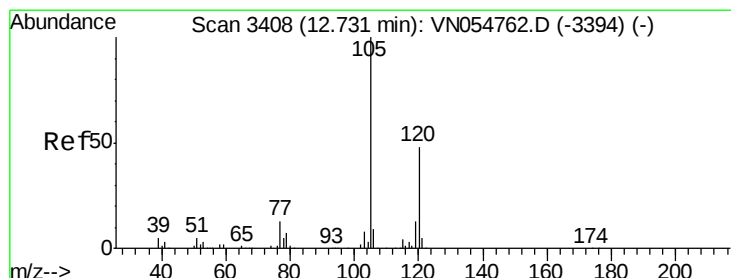
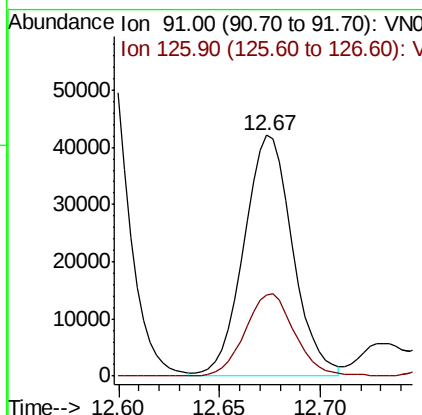
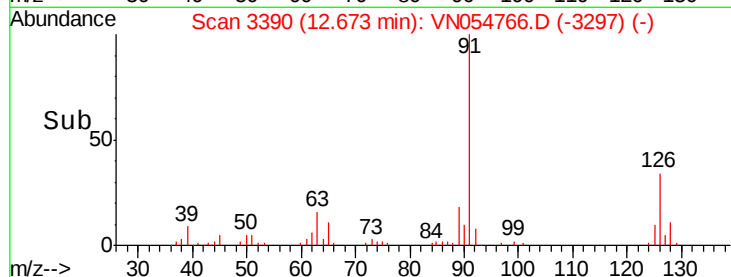
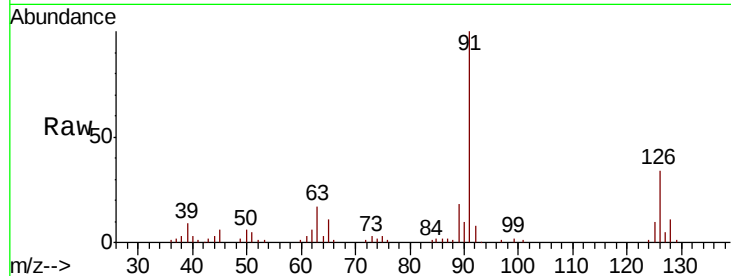
#79
 2-Chlorotoluene
 Concen: 5.741 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 70962
 Ion Ratio Lower Upper
 91 100
 126 34.8 18.7 56.1

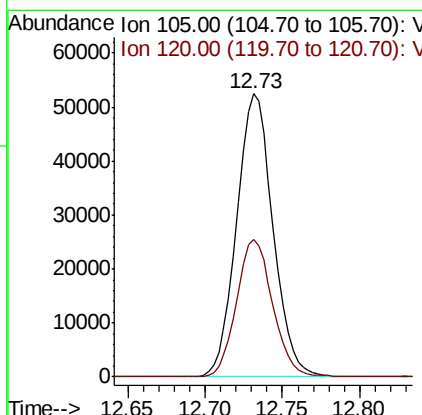
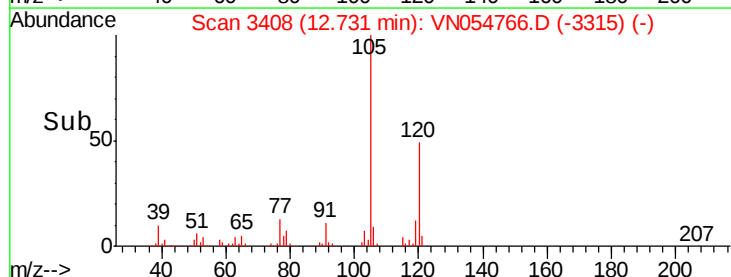
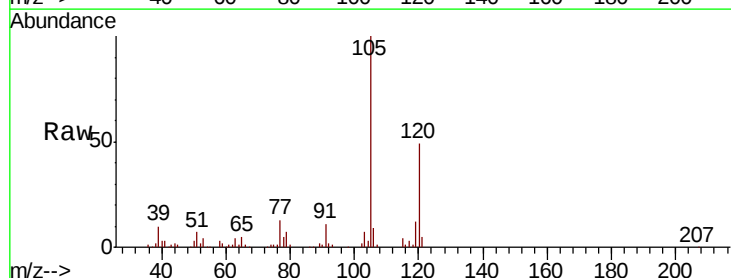
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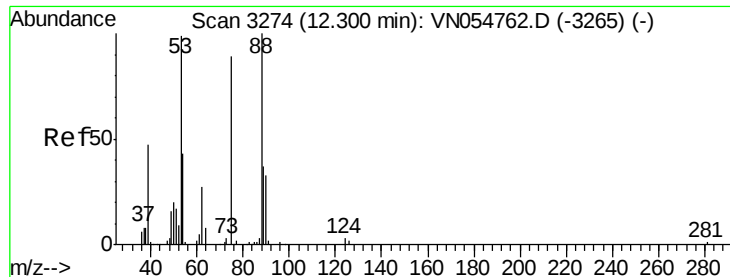
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 4/1/2019 4:00:23 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.739 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion: 105 Resp: 85613
 Ion Ratio Lower Upper
 105 100
 120 48.1 25.0 75.0





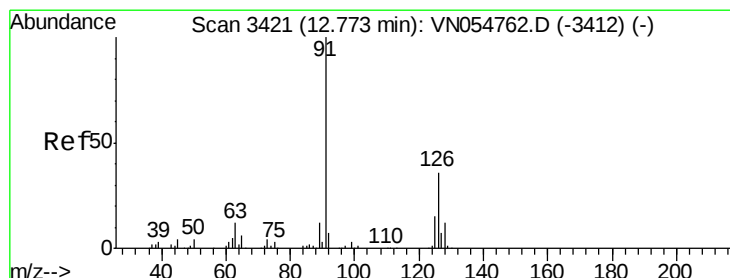
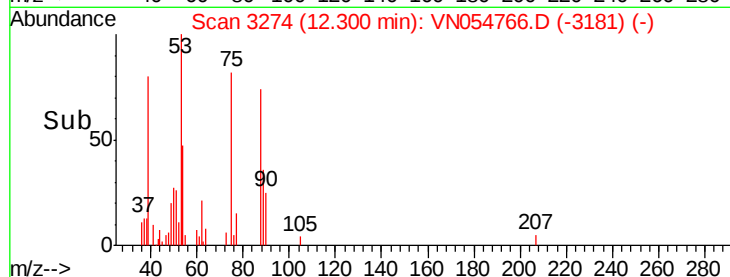
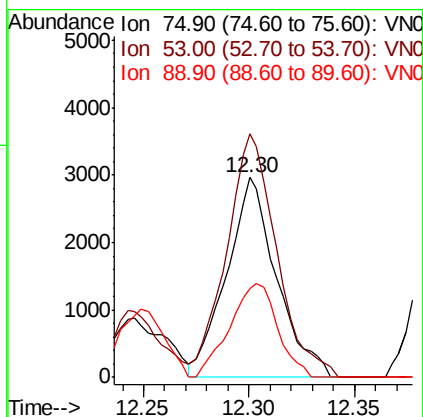
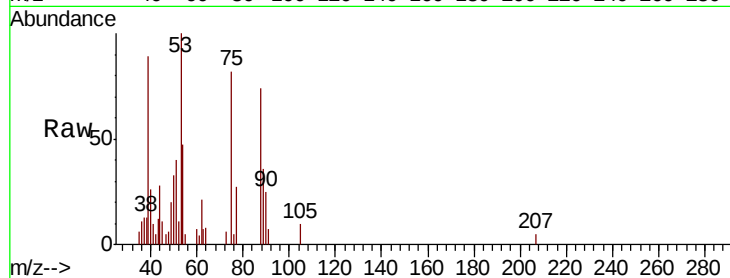
#81
trans-1,4-Dichloro-2-butene
Concen: 4.903 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.0	76.2	114.2#
89	44.8	39.2	58.8

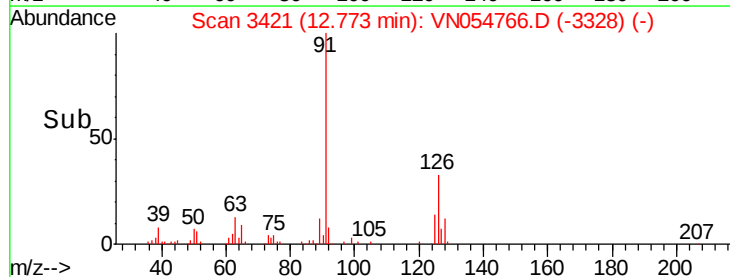
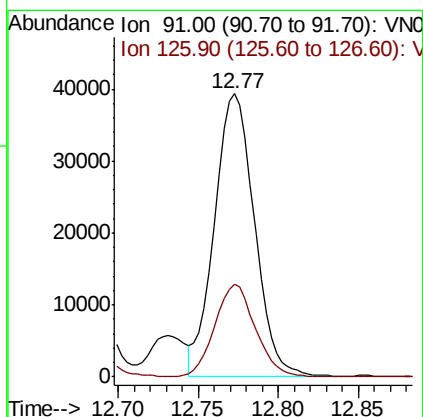
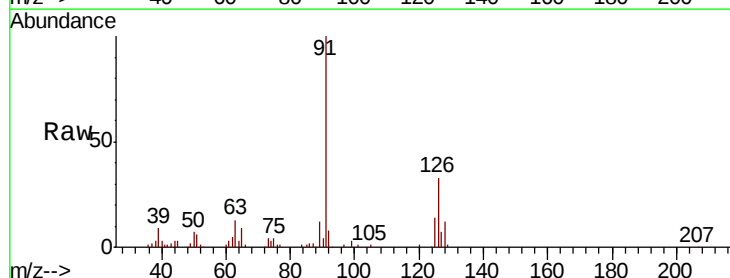
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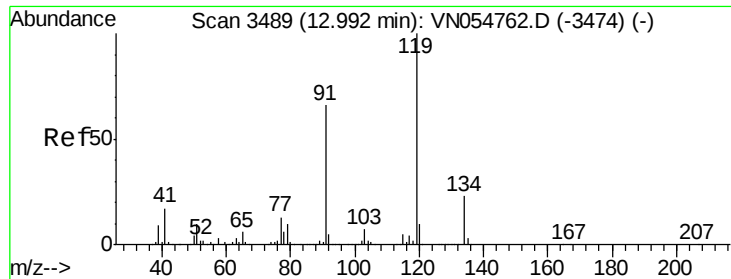
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#82
4-Chlorotoluene
Concen: 5.660 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.0	18.1	54.1





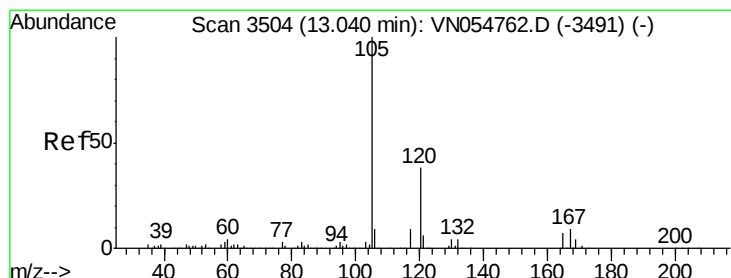
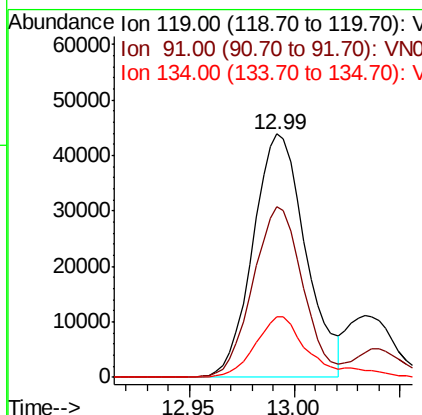
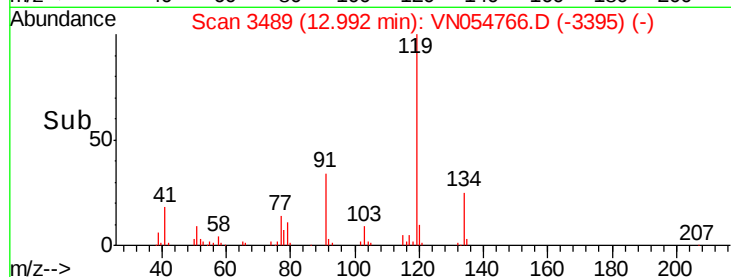
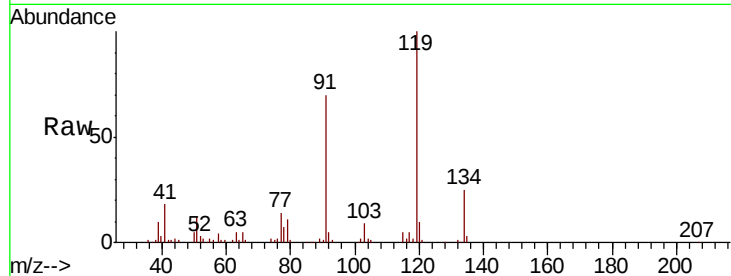
#83
 tert-Butylbenzene
 Concen: 5.852 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.1	30.9	92.8
134	26.0	13.2	39.6

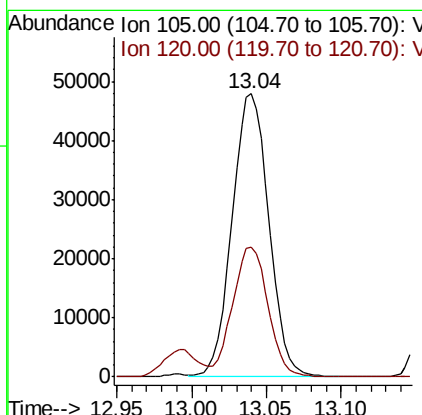
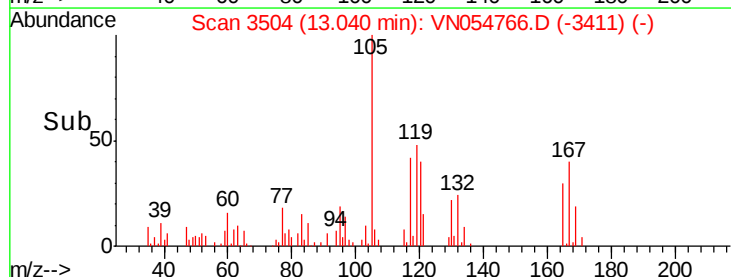
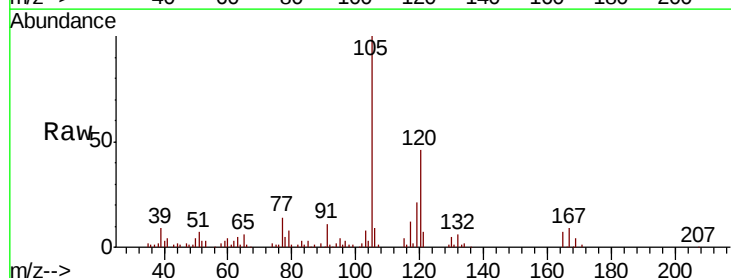
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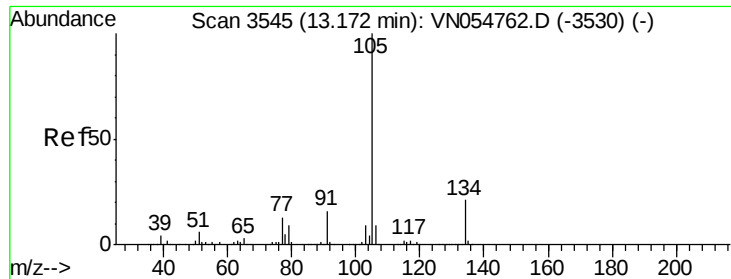
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.763 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.4	70.3





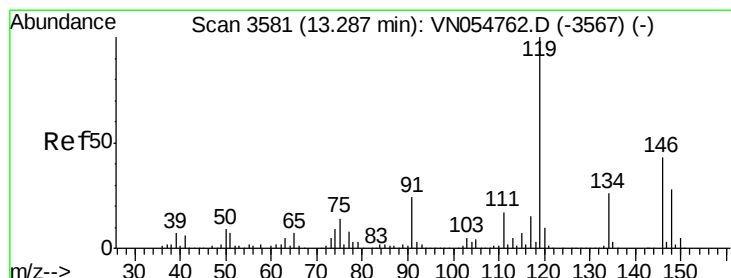
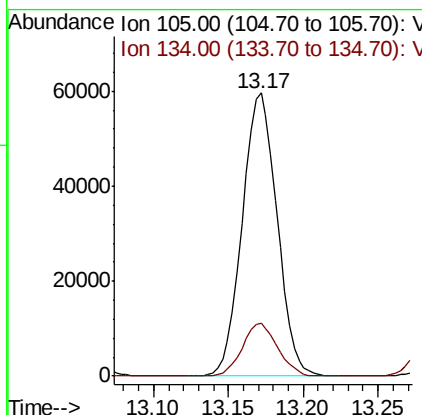
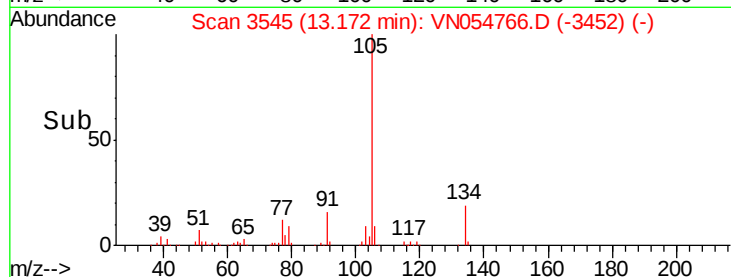
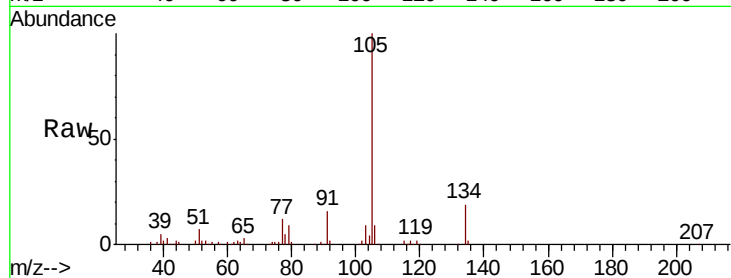
#85
 sec-Butylbenzene
 Concen: 5.967 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.8	10.7	32.1

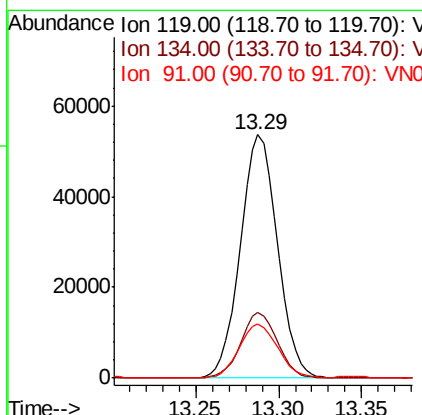
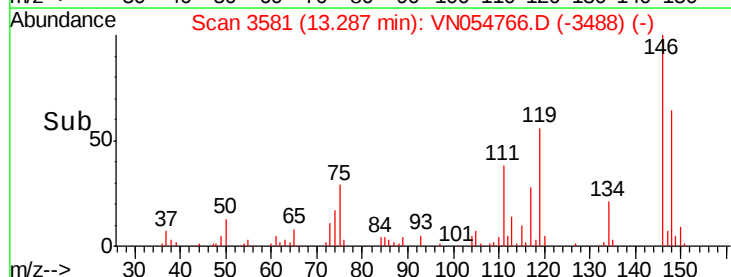
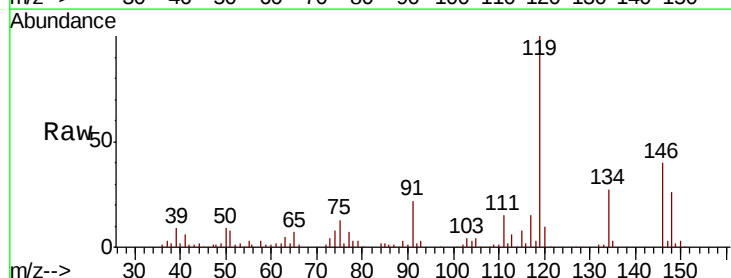
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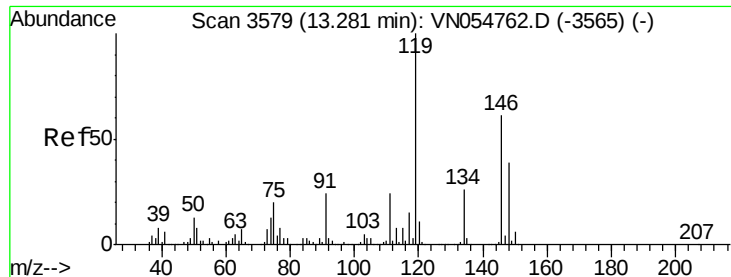
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#86
 p-Isopropyltoluene
 Concen: 5.843 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.6	40.8
91	23.4	11.1	33.3





#87

1,3-Dichlorobenzene

Concen: 5.642 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

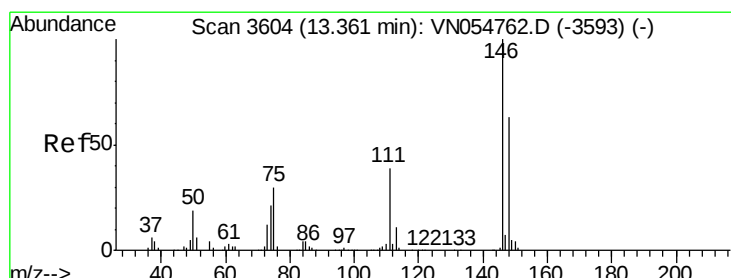
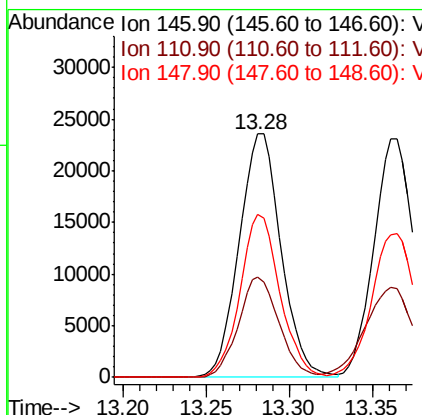
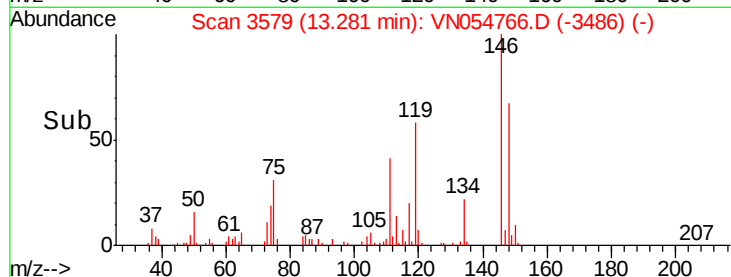
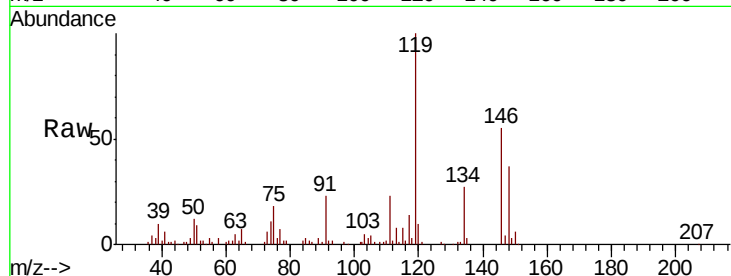
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.8	56.3
148	63.6	32.2	96.6

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#88

1,4-Dichlorobenzene

Concen: 5.491 ug/l

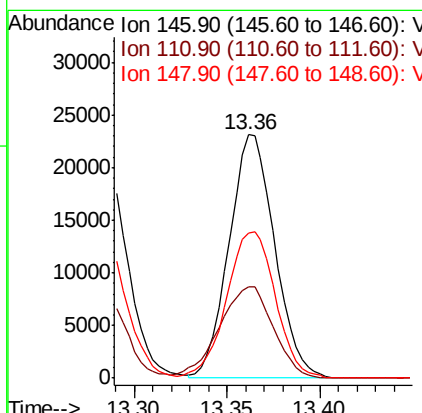
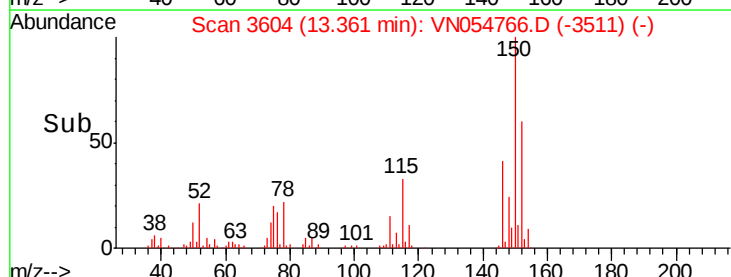
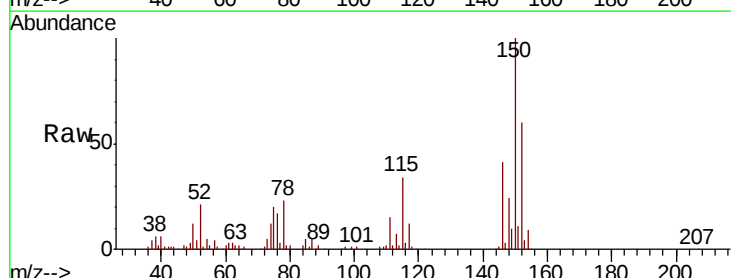
RT: 13.36 min Scan# 3604

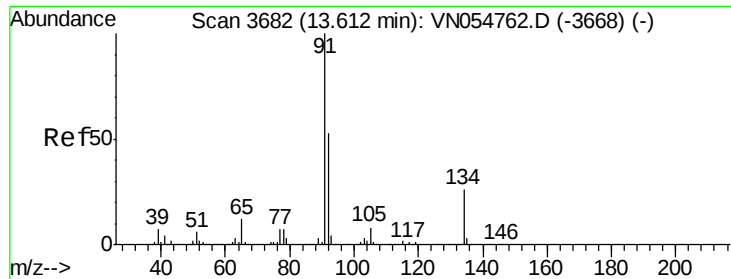
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	18.1	54.1
148	64.3	32.0	96.0





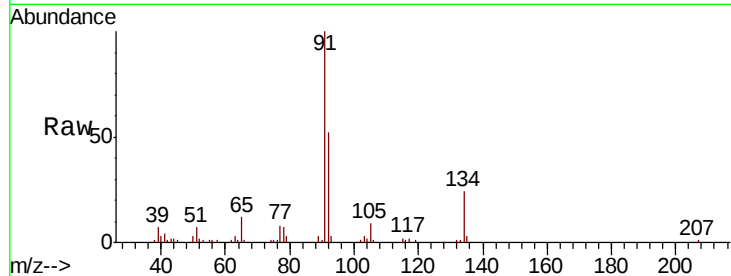
#89
n-Butylbenzene
Concen: 5.362 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.6
134	24.5	14.3	42.9

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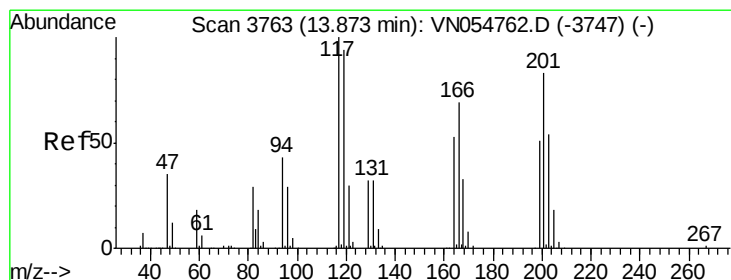
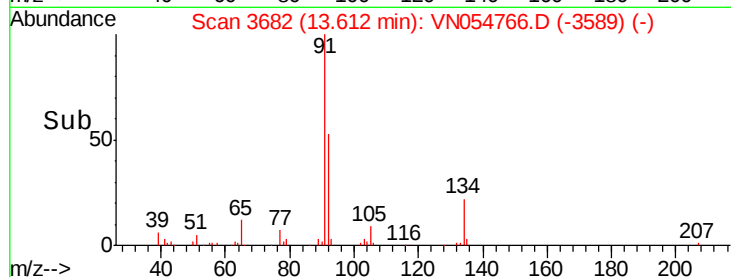
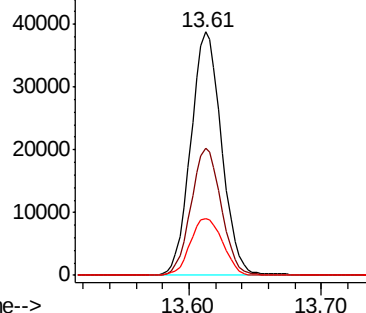


Abundance

Ion 91.00 (90.70 to 91.70): VN054766.D (-3668) (-)

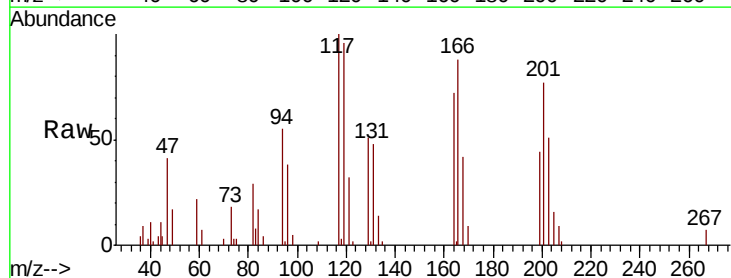
Ion 92.00 (91.70 to 92.70): VN054766.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054766.D (-3668) (-)



#90
Hexachloroethane
Concen: 5.426 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054766.D
Acq: 29 Mar 2019 13:04

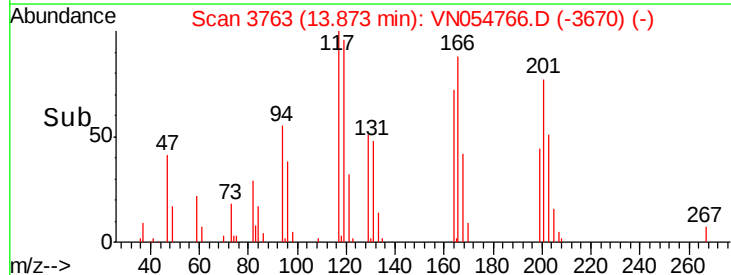
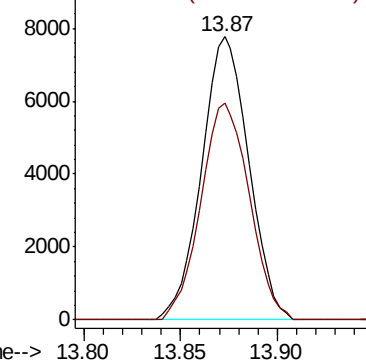
Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	48.1	144.4

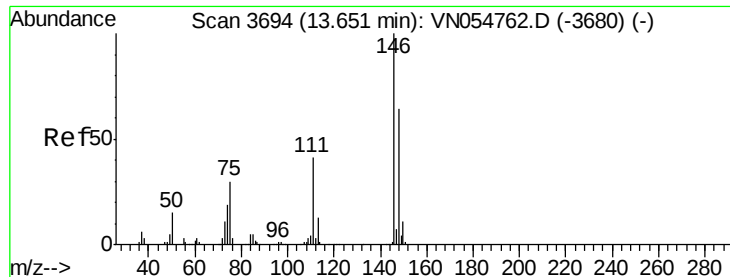


Abundance

Ion 116.80 (116.50 to 117.50): VN054766.D (-3747) (-)

Ion 200.70 (200.40 to 201.40): VN054766.D (-3747) (-)





#91

1,2-Dichlorobenzene

Concen: 5.508 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

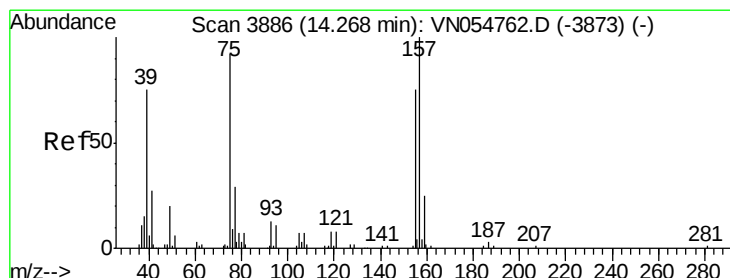
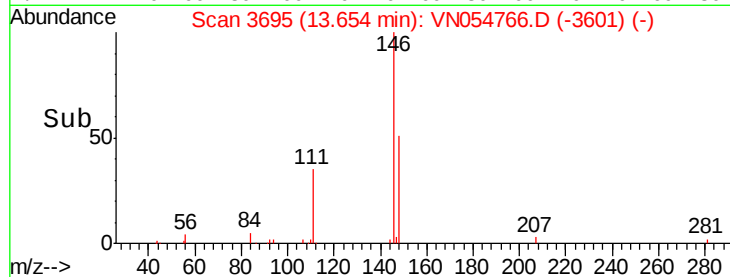
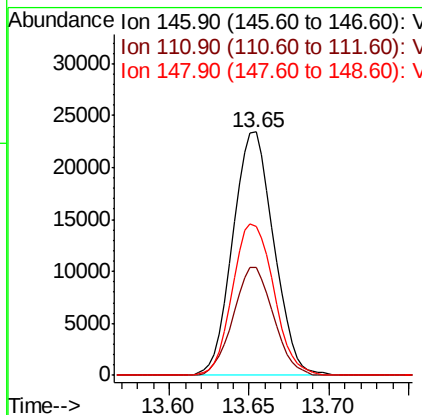
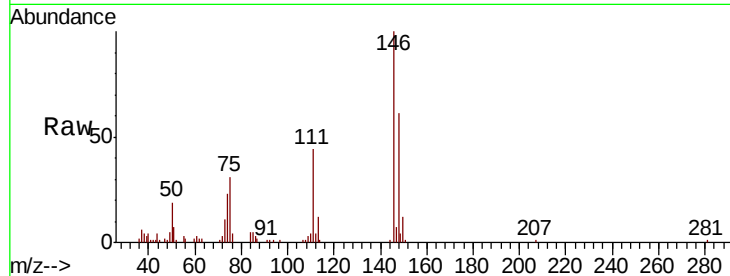
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	40835
Ion Ratio	Lower	Upper	
146	100		
111	43.2	19.1	57.3
148	62.7	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 5.413 ug/l

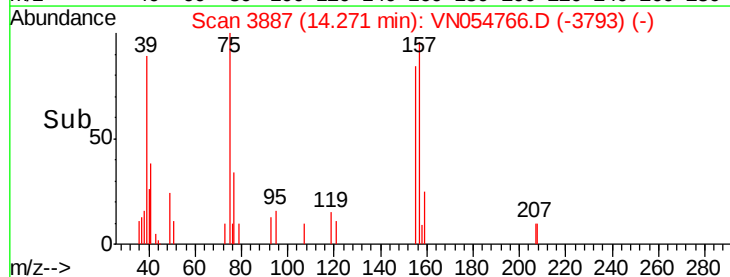
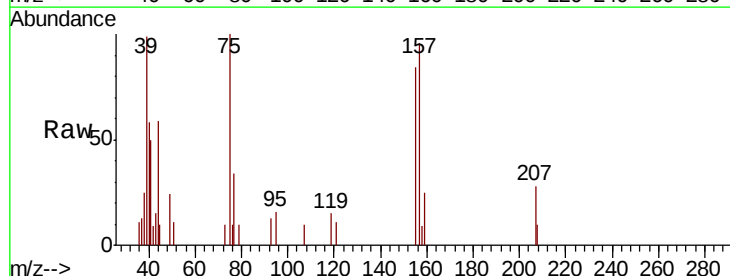
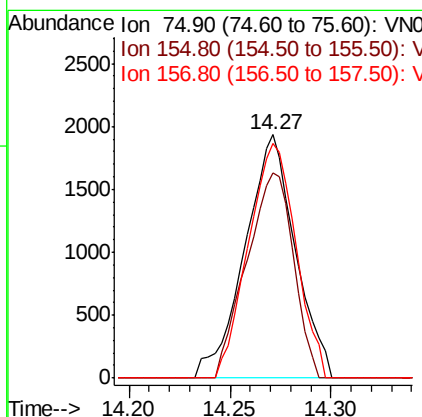
RT: 14.27 min Scan# 3887

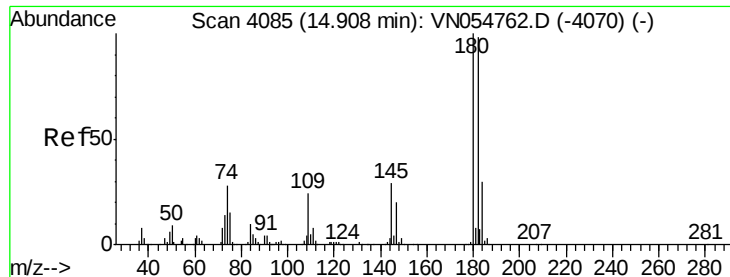
Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	75	Resp:	3364
Ion Ratio	Lower	Upper	
75	100		
155	78.9	50.1	150.3
157	91.1	63.1	189.3





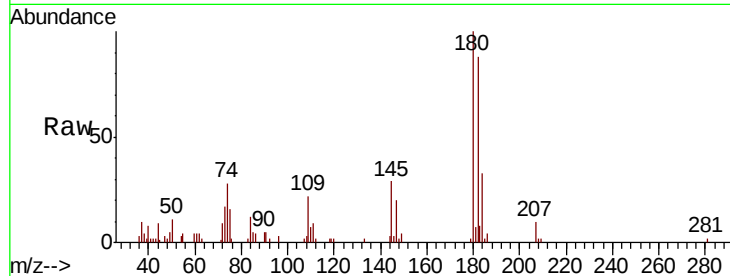
#93
 1,2,4-Trichlorobenzene
 Concen: 4.846 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

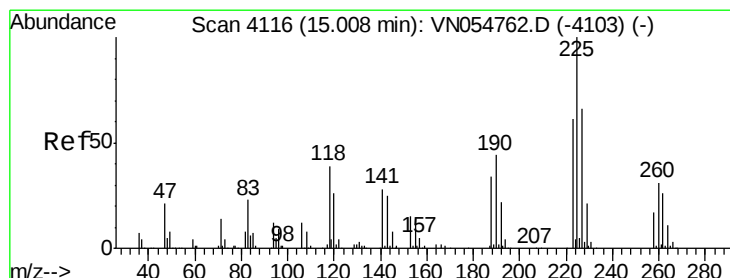
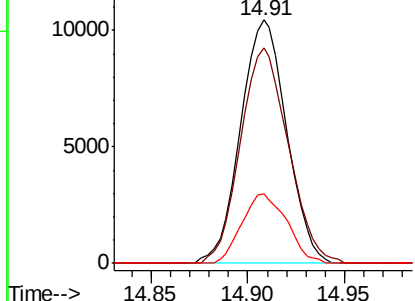
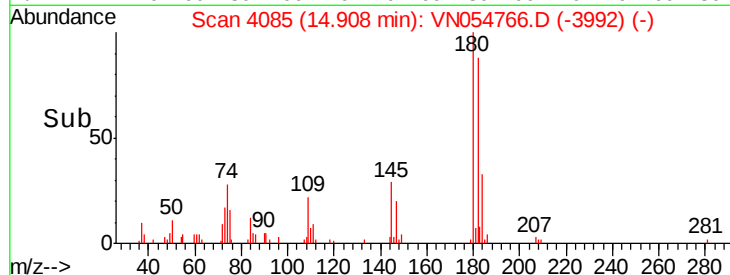
Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	48.0	144.2
145	27.8	14.2	42.8

Manual Integrations
 APPROVED

MMDadoda
 4/1/2019 4:00:23 PM

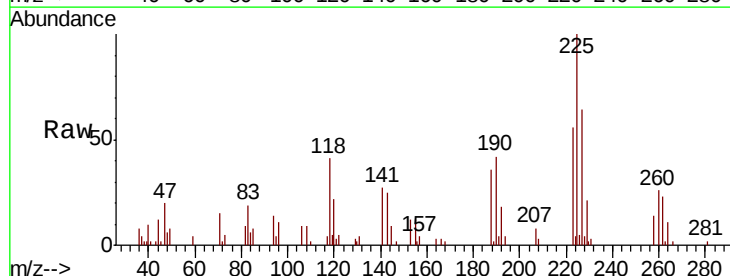


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

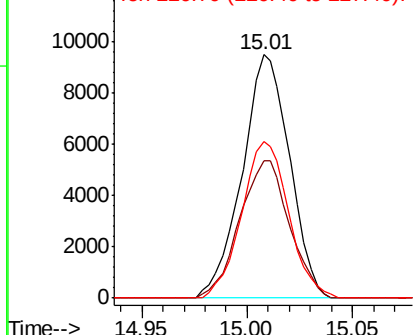
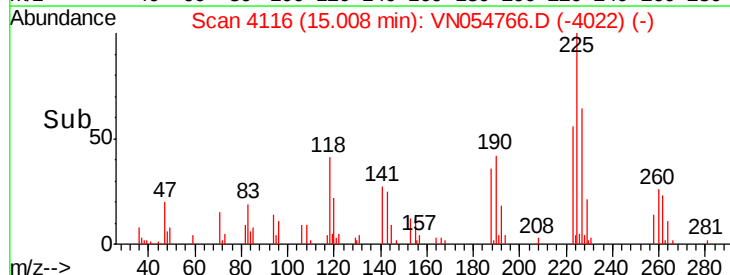


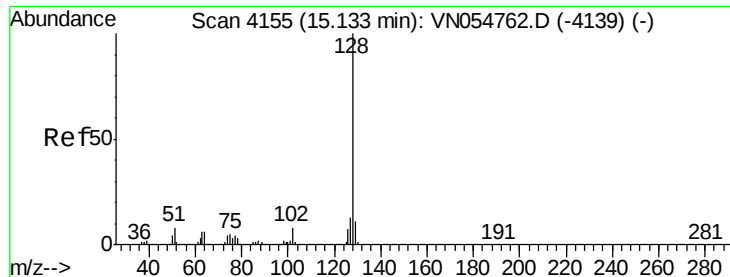
#94
 Hexachlorobutadiene
 Concen: 6.159 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054766.D
 Acq: 29 Mar 2019 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.2	31.1	93.5
227	63.8	31.9	95.9



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





#95

Naphthalene

Concen: 4.983 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Instrument :

MSVOA_N

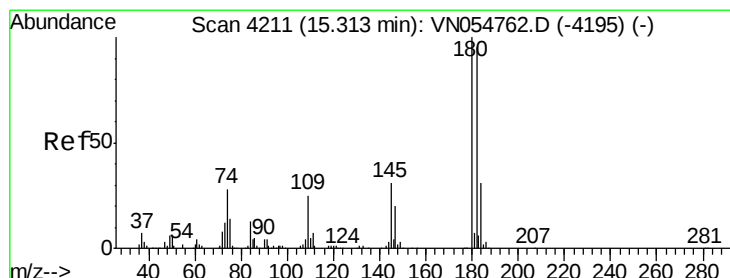
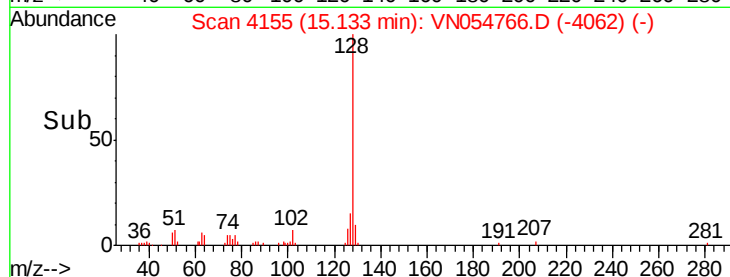
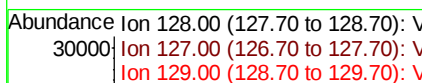
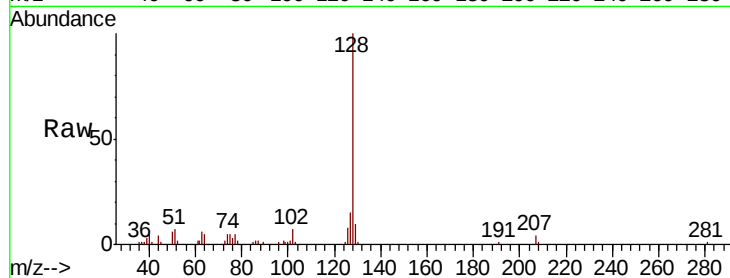
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	39943
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.1	15.1
129	10.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
4/1/2019 4:00:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 5.021 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054766.D

Acq: 29 Mar 2019 13:04

Tgt Ion:	180	Resp:	18124
Ion Ratio	Lower	Upper	
180	100		
182	97.5	47.5	142.6
145	32.8	14.8	44.3

