

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049632.D
 Acq On : 29 Jun 2018 14:26
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
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 7/2/2018 2:19:43 PM

Quant Time: Jun 30 00:46:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:18:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1232995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1948901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1627337	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	13292	0.96	ug/l	94
3) Chloromethane	2.06	50	19384	1.12	ug/l	96
4) Vinyl Chloride	2.18	62	19335	1.04	ug/l	95
5) Bromomethane	2.57	94	12659	1.29	ug/l	95
6) Chloroethane	2.70	64	12895	1.09	ug/l	97
7) Trichlorofluoromethane	3.02	101	23706	1.11	ug/l	91
8) Diethyl Ether	3.41	74	9425	1.09	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	16364m	1.07	ug/l	
12) 1,1-Dichloroethene	3.73	96	16617	1.15	ug/l	86
14) Allyl chloride	4.32	41	22411	1.13	ug/l	97
15) Acrylonitrile	5.00	53	25611	5.31	ug/l #	88
16) Acetone	3.82	43	33538	8.32	ug/l	100
17) Carbon Disulfide	4.05	76	60705	1.38	ug/l	98
18) Methyl Acetate	4.33	43	51766	2.11	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	39078m	1.05	ug/l	
20) Methylene Chloride	4.55	84	20698	1.23	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	16160	1.08	ug/l	90
22) Diisopropyl ether	5.95	45	42224	0.94	ug/l #	84
23) Vinyl Acetate	5.90	43	131679	4.51	ug/l	97
24) 1,1-Dichloroethane	5.85	63	30429	1.07	ug/l	97
25) 2-Butanone	6.84	43	29961	5.54	ug/l	91
26) 2,2-Dichloropropane	6.83	77	25517	1.08	ug/l	76
27) cis-1,2-Dichloroethene	6.83	96	17153	1.03	ug/l	92
28) Bromochloromethane	7.20	49	11599	0.96	ug/l	96
29) Tetrahydrofuran	7.23	42	17156	4.98	ug/l	96
30) Chloroform	7.37	83	30626	1.06	ug/l	86
31) Cyclohexane	7.66	56	42566	1.52	ug/l #	28
32) 1,1,1-Trichloroethane	7.56	97	25008	1.02	ug/l #	49
36) 1,1-Dichloropropene	7.80	75	20628	0.94	ug/l	97
37) Ethyl Acetate	6.94	43	11478	0.90	ug/l #	90
38) Carbon Tetrachloride	7.77	117	21672	1.02	ug/l	90
39) Methylcyclohexane	9.08	83	23947	1.00	ug/l	96
40) Benzene	8.04	78	66910	1.00	ug/l	91
41) Methacrylonitrile	7.18	41	5962	0.87	ug/l #	73

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

42) 1,2-Dichloroethane	8.12	62	22887	1.07	ug/l	99
43) Isopropyl Acetate	8.18	43	49671	1.64	ug/l #	81
44) Trichloroethene	8.84	130	21796	1.08	ug/l	94
45) 1,2-Dichloropropane	9.12	63	15669	0.91	ug/l	92
46) Dibromomethane	9.21	93	10208	0.98	ug/l #	91
47) Bromodichloromethane	9.40	83	21657	0.97	ug/l #	99
48) Methyl methacrylate	9.20	41	10577	0.93	ug/l	98
49) 1,4-Dioxane	9.21	88	2861	18.73	ug/l #	53
51) 4-Methyl-2-Pentanone	9.99	43	61178	4.88	ug/l	94
52) Toluene	10.16	92	38143	0.94	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	19714	0.92	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	22576	0.91	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	15749	1.05	ug/l	96
56) Ethyl methacrylate	10.43	69	15340	0.87	ug/l	98
57) 1,3-Dichloropropane	10.71	76	22516	0.92	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.70	63	36668	4.46	ug/l	100
59) 2-Hexanone	10.75	43	41023	4.95	ug/l	98
60) Dibromochloromethane	10.90	129	14967	0.92	ug/l	92
61) 1,2-Dibromoethane	11.01	107	14359	1.00	ug/l	98
64) Tetrachloroethene	10.63	164	24256	1.10	ug/l	95
65) Chlorobenzene	11.44	112	46532	1.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	15228	1.00	ug/l #	61
67) Ethyl Benzene	11.51	91	68549	0.98	ug/l	96
68) m/p-Xylenes	11.62	106	49357	1.84	ug/l	97
69) o-Xylene	11.95	106	22990	0.89	ug/l	98
70) Styrene	11.97	104	35454	0.85	ug/l	97
71) Bromoform	12.13	173	10001	0.99	ug/l #	98
73) Isopropylbenzene	12.25	105	58146	1.07	ug/l	99
74) N-amyl acetate	12.07	43	17271	1.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	17343	1.35	ug/l	96
76) 1,2,3-Trichloropropane	12.56	75	13569m	1.14	ug/l	
77) Bromobenzene	12.53	156	18908	1.28	ug/l	98
78) n-propylbenzene	12.59	91	65599	1.05	ug/l	97
79) 2-Chlorotoluene	12.68	91	47991	1.22	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	44919	0.99	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	3435	1.07	ug/l	94
82) 4-Chlorotoluene	12.78	91	45945	1.16	ug/l	98
83) tert-Butylbenzene	12.99	119	41125	1.06	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	46316	1.00	ug/l	95
85) sec-Butylbenzene	13.17	105	50646	0.98	ug/l	100
86) p-Isopropyltoluene	13.29	119	40376	0.91	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	36750	1.35	ug/l	94
88) 1,4-Dichlorobenzene	13.36	146	38821	1.42	ug/l	87
89) n-Butylbenzene	13.62	91	40582	1.06	ug/l	95
90) Hexachloroethane	13.87	117	5372	1.15	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	35438	1.33	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	3838	1.71	ug/l	72
93) 1,2,4-Trichlorobenzene	14.91	180	17502	1.43	ug/l	95
94) Hexachlorobutadiene	15.01	225	12364	1.46	ug/l	98
95) Naphthalene	15.14	128	40891	1.56	ug/l	99

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ClientSampleId :
VSTDICC001

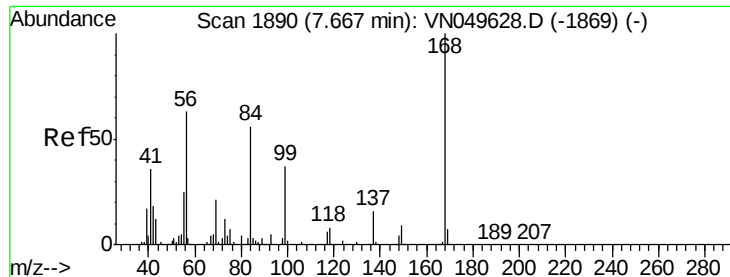
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	20567	1.64	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 1232995

Ion Ratio Lower Upper

168 100

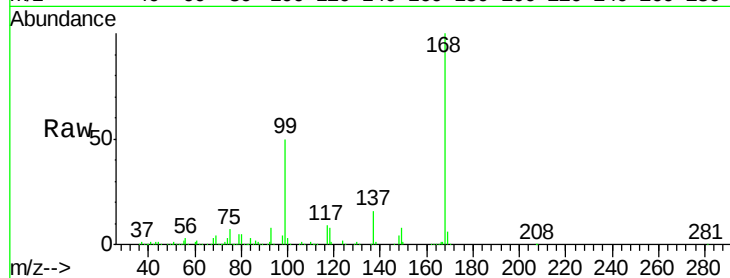
99 49.9 40.6 61.0

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

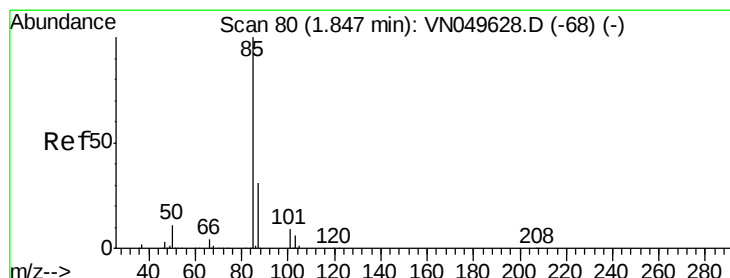
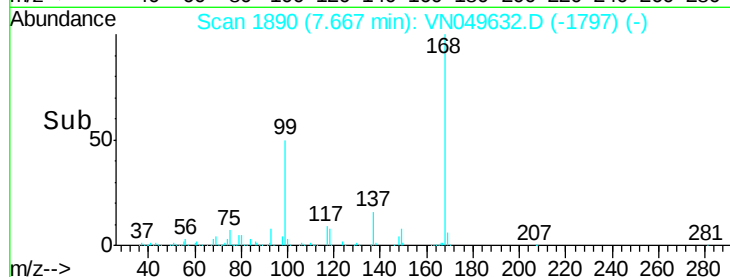
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.96 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049632.D

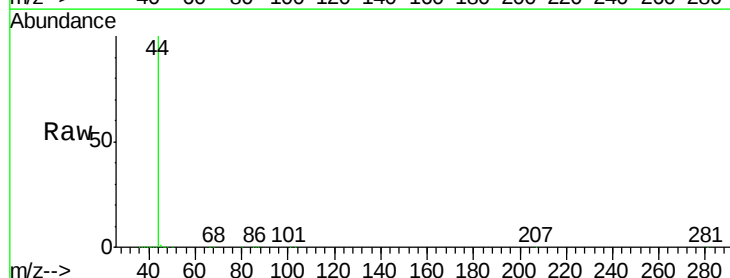
Acq: 29 Jun 2018 14:26

Tgt Ion: 85 Resp: 13292

Ion Ratio Lower Upper

85 100

87 27.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

10000

8000

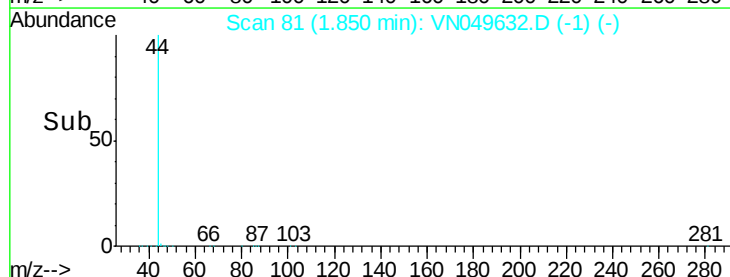
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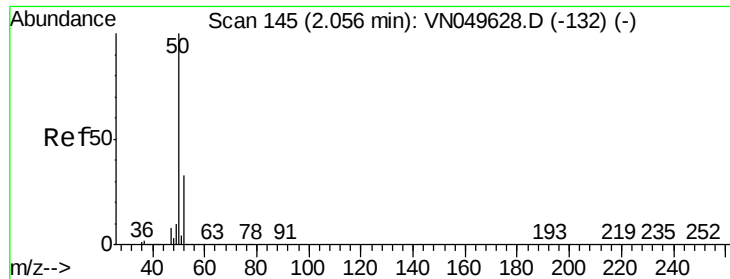
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.12 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 19384

Ion Ratio Lower Upper

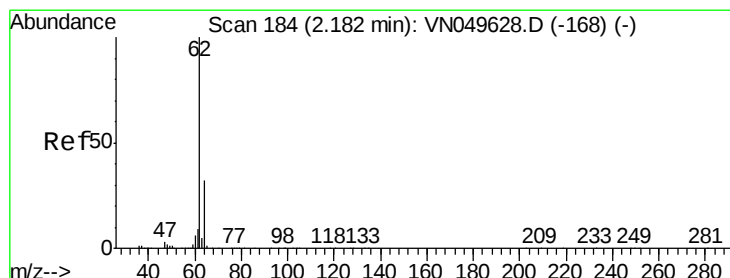
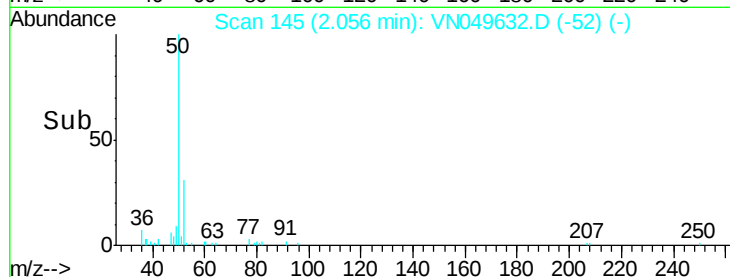
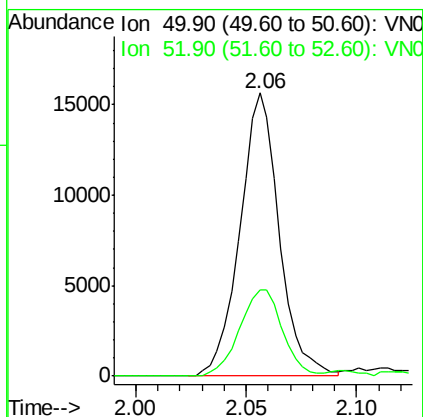
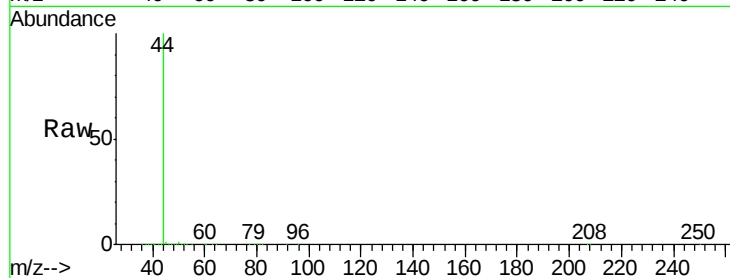
50 100

52 30.6 26.1 39.1

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#4

Vinyl Chloride

Concen: 1.04 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049632.D

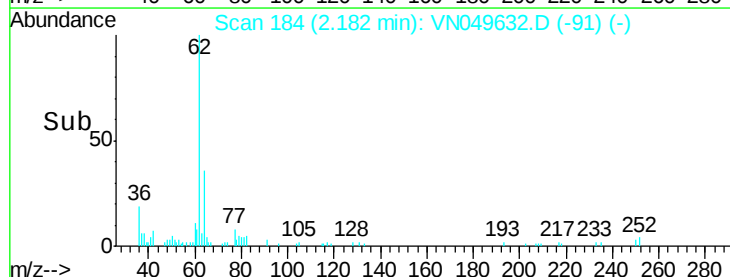
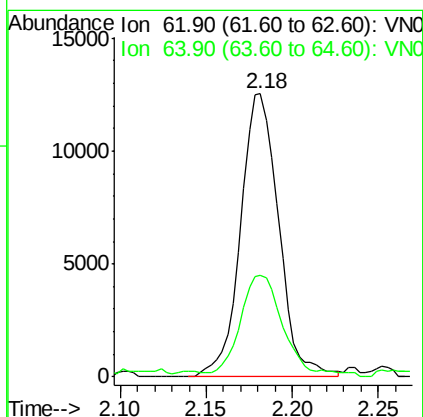
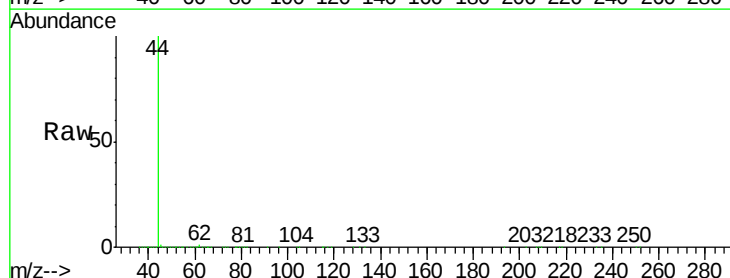
Acq: 29 Jun 2018 14:26

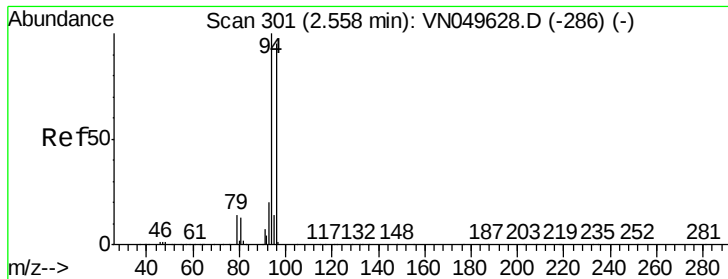
Tgt Ion: 62 Resp: 19335

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0





#5

Bromomethane

Concen: 1.29 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 94 Resp: 12659

Ion Ratio Lower Upper

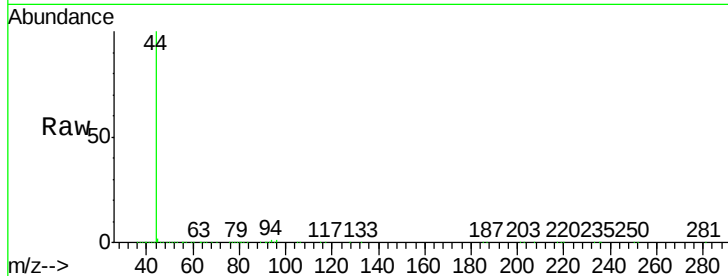
94 100

96 99.5 75.7 113.5

Manual Integrations
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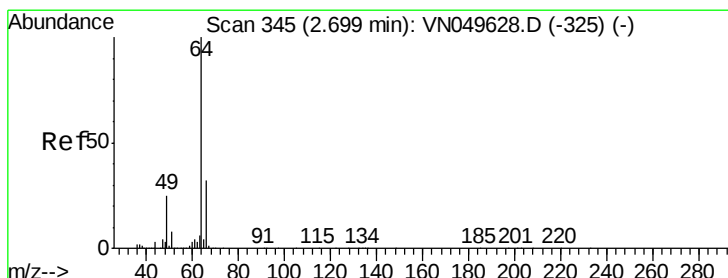
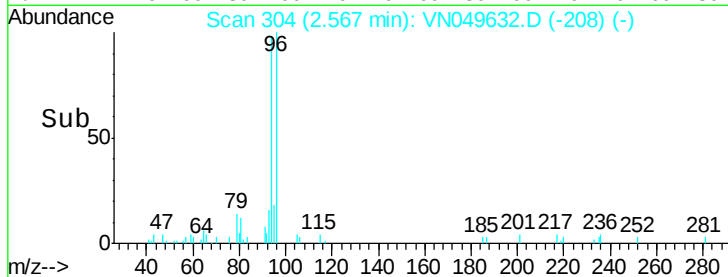
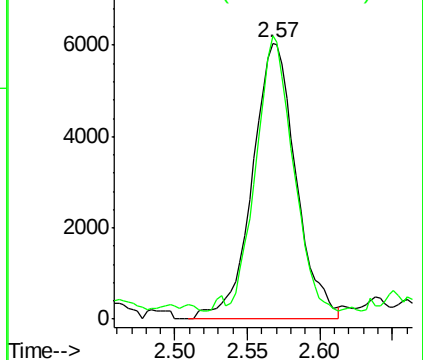
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.09 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049632.D

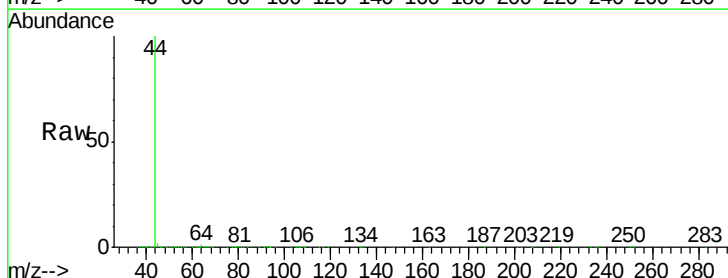
Acq: 29 Jun 2018 14:26

Tgt Ion: 64 Resp: 12895

Ion Ratio Lower Upper

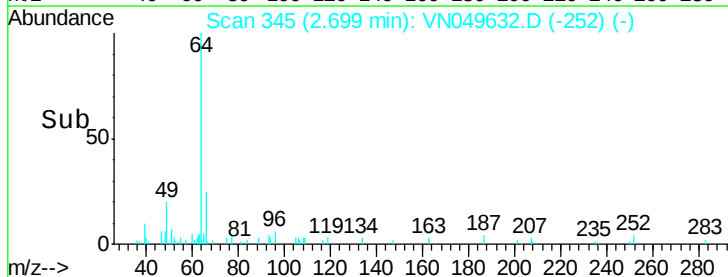
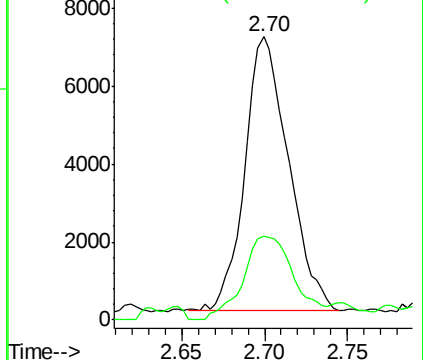
64 100

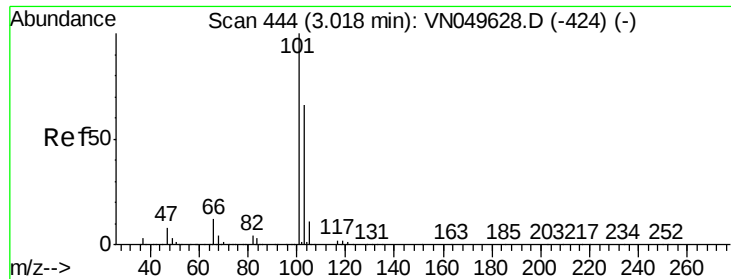
66 30.5 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

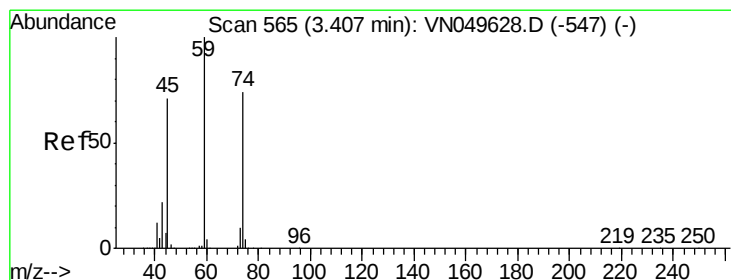
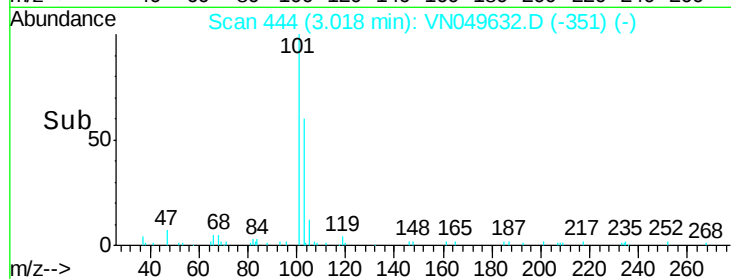
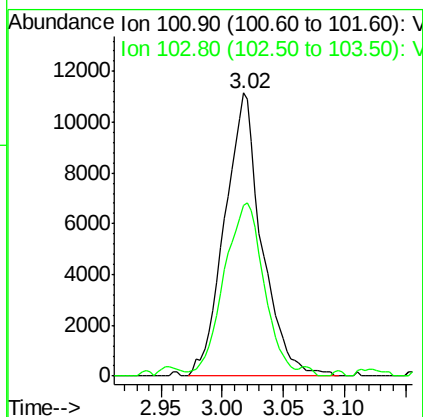
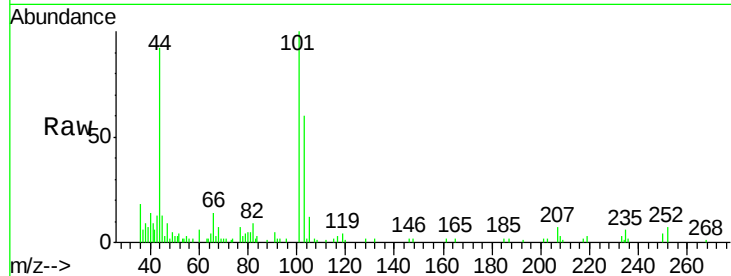
Trichlorofluoromethane
Concen: 1.11 ug/l
RT: 3.02 min Scan# 444
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.5	52.8	79.2

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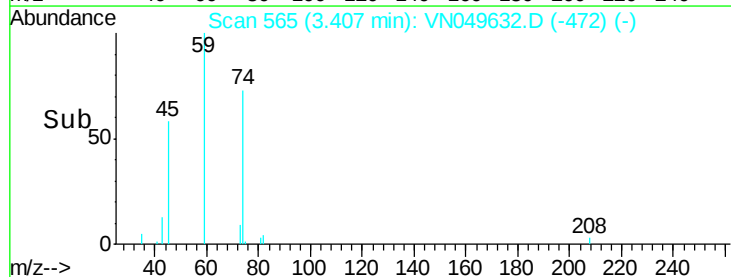
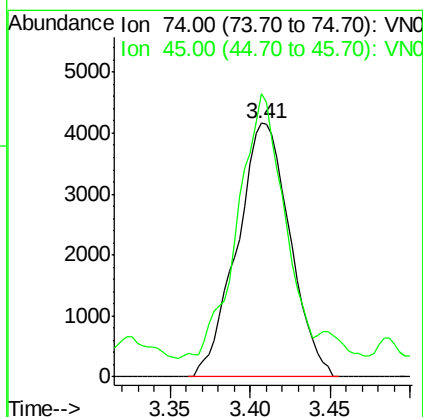
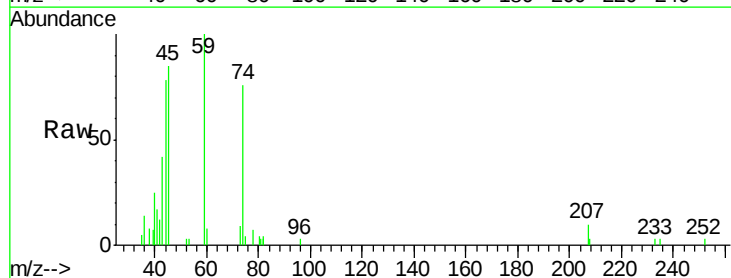
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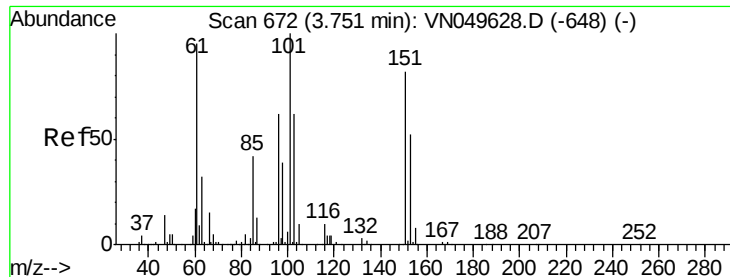


#8

Diethyl Ether
Concen: 1.09 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.6	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.07 ug/l m

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

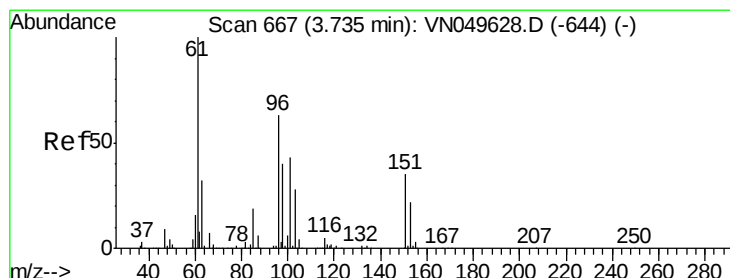
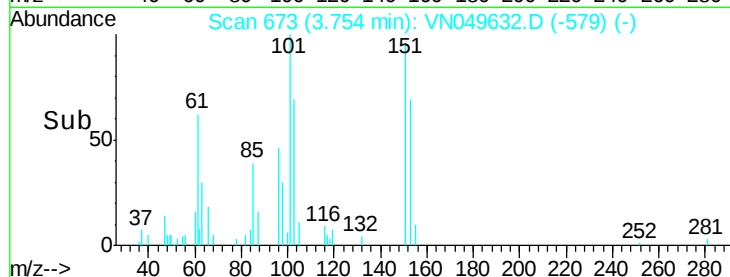
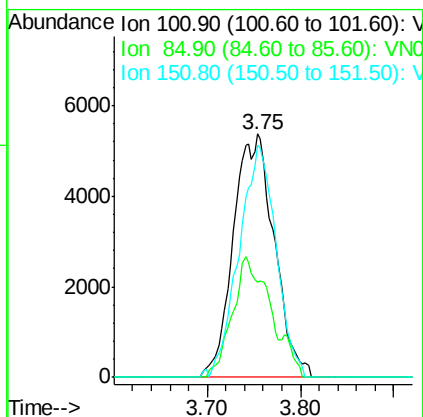
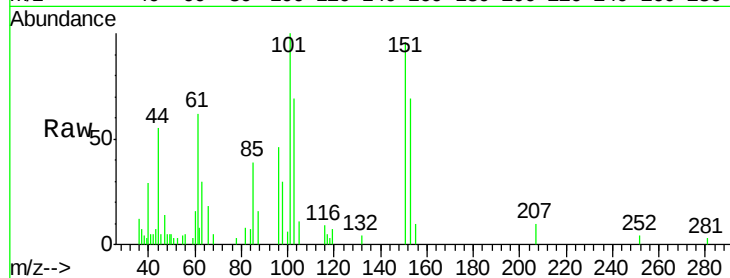
ClientSampleId :

VSTDIC001

Tot Ion:	101	Resp:	16364
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	86.8	66.2	99.4

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 1.15 ug/l

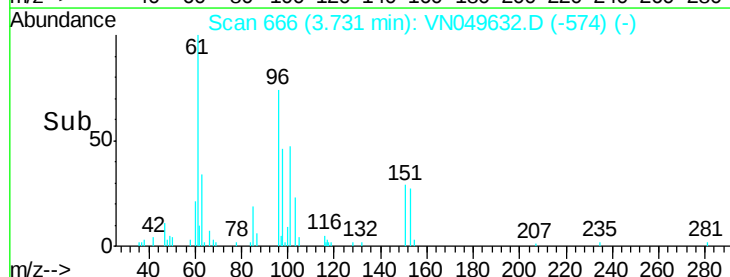
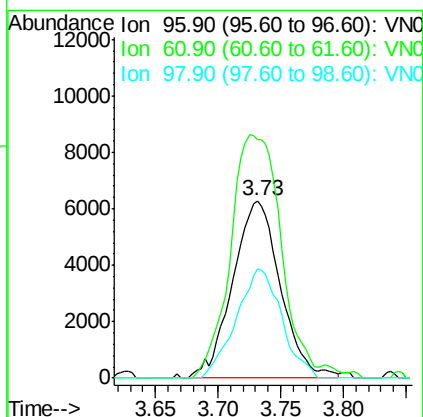
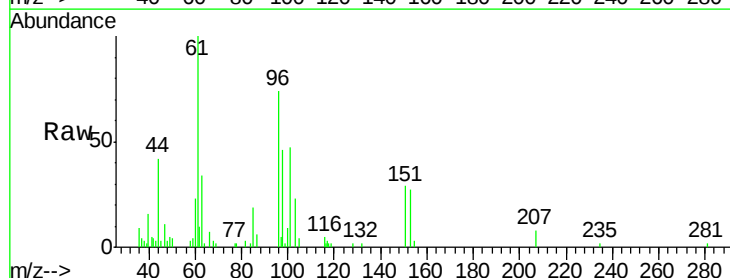
RT: 3.73 min Scan# 666

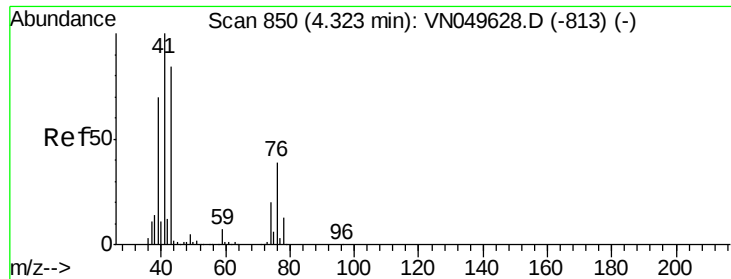
Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	96	Resp:	16617
Ion Ratio	Lower	Upper	
96	100		
61	134.4	126.5	189.7
98	61.7	51.0	76.6





#14

Allvl chloride

Concen: 1.13 ug/l

RT: 4.32 min Scan# 848

Delta R.T. -0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

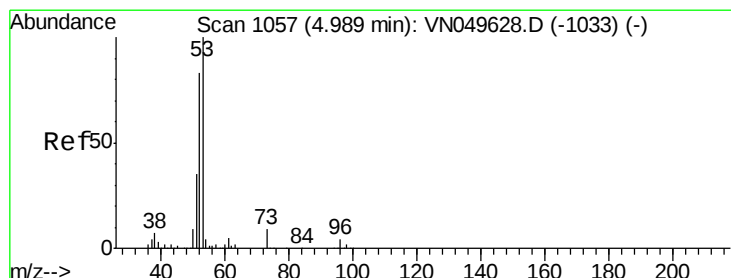
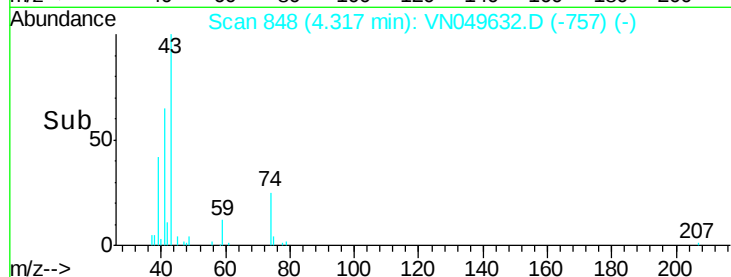
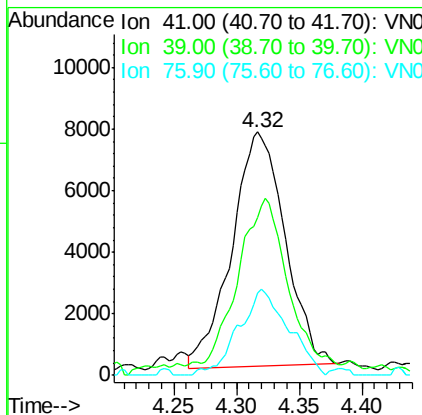
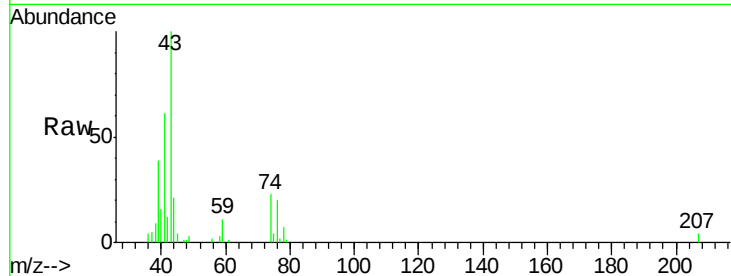
ClientSampled :

VSTDIC001

Tot Ion:	41	Resp:	22411
Ion Ratio	Lower	Upper	
41	100		
39	64.6	53.2	79.8
76	34.6	29.0	43.6

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#15

Acrylonitrile

Concen: 5.31 ug/l

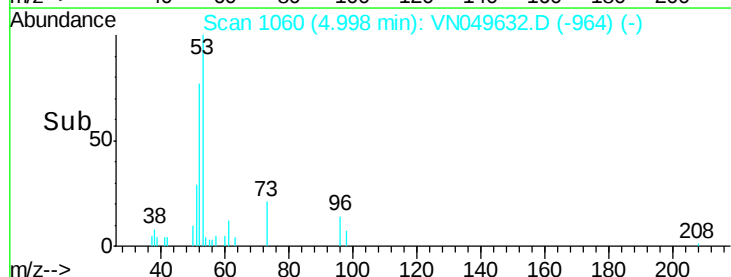
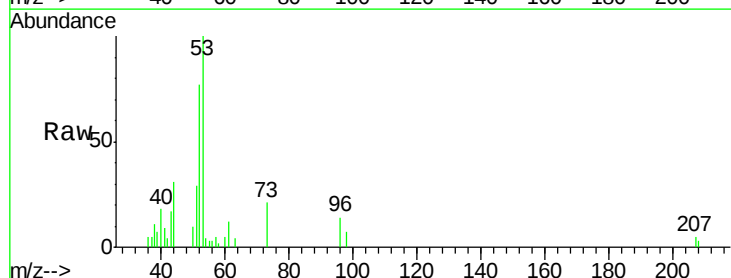
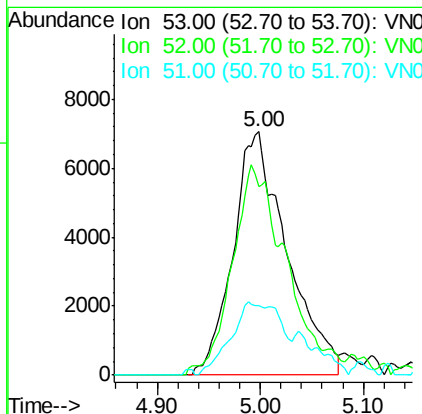
RT: 5.00 min Scan# 1060

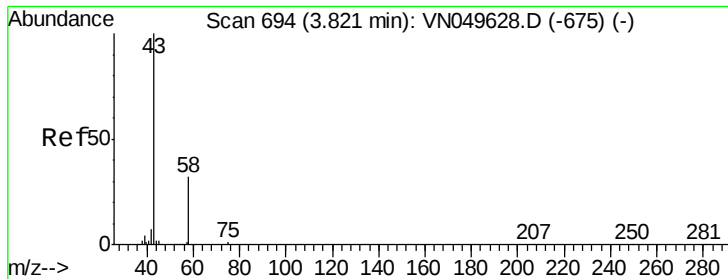
Delta R.T. 0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	53	Resp:	25611
Ion Ratio	Lower	Upper	
53	100		
52	84.2	64.8	97.2
51	18.4	28.9	43.3#





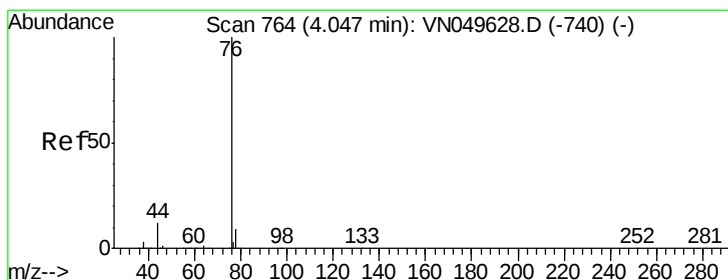
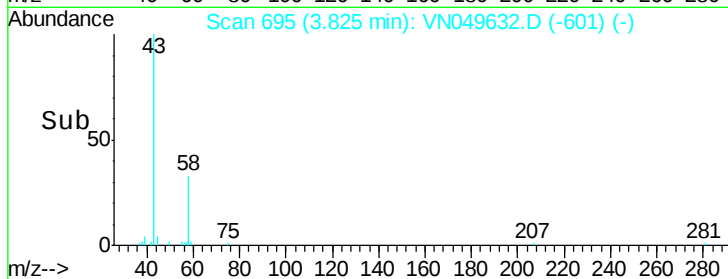
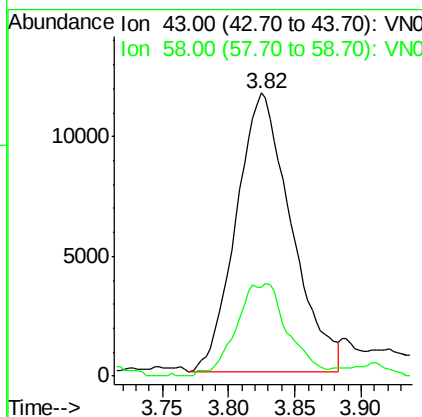
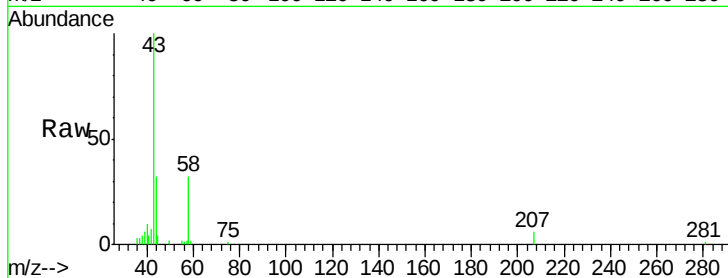
#16
Acetone
Concen: 8.32 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.1	25.9	38.9

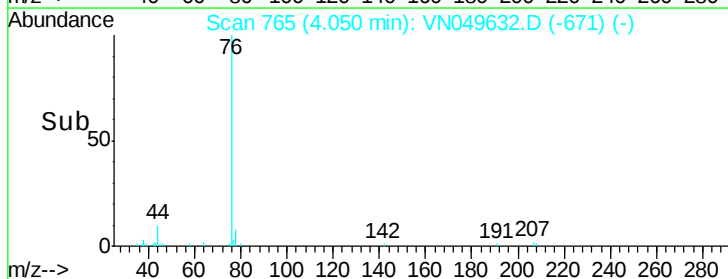
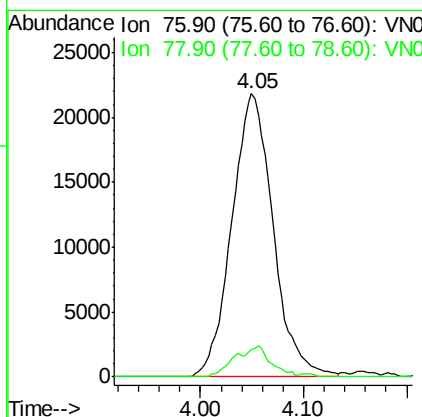
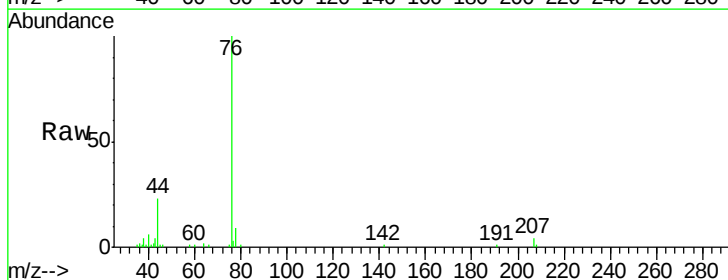
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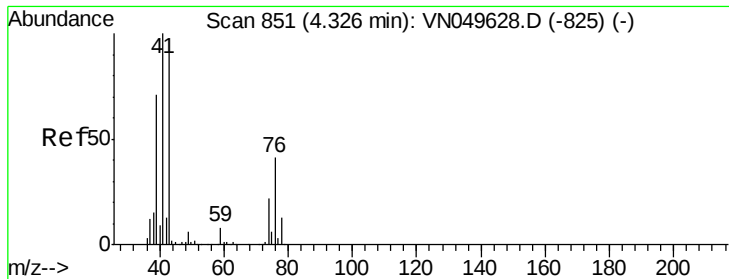
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#17
Carbon Disulfide
Concen: 1.38 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.1	10.7





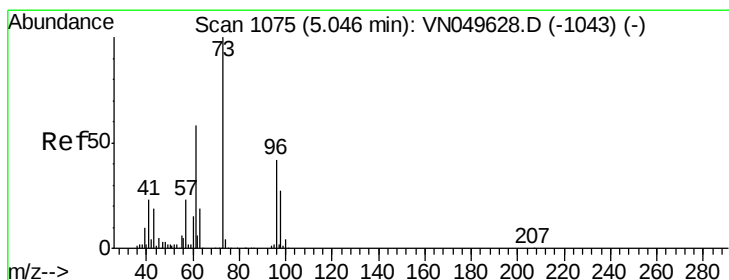
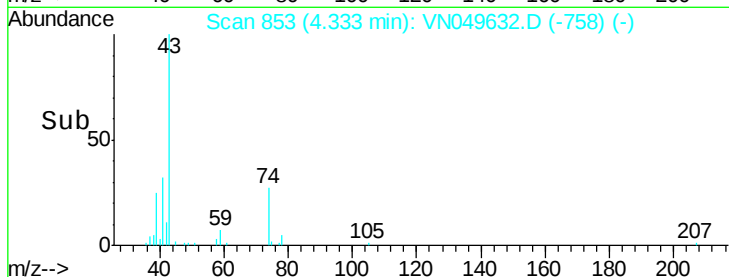
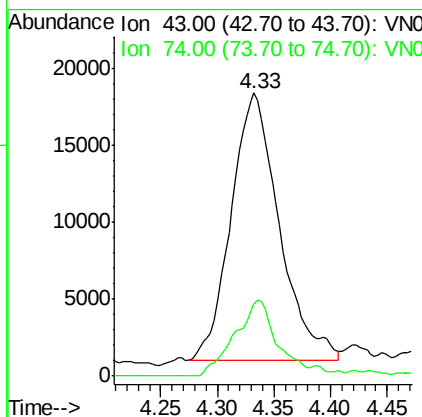
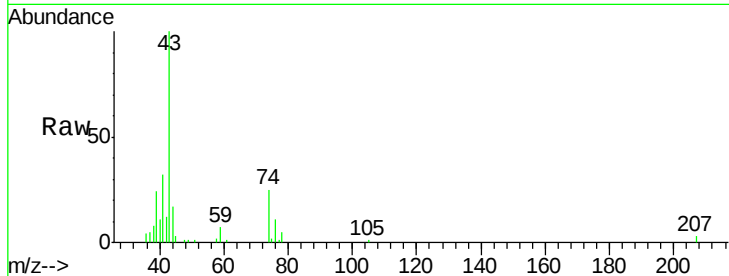
#18
Methvl Acetate
Concen: 2.11 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	51766
Ion Ratio	Lower	Upper	
43	100		
74	24.7	19.8	29.8

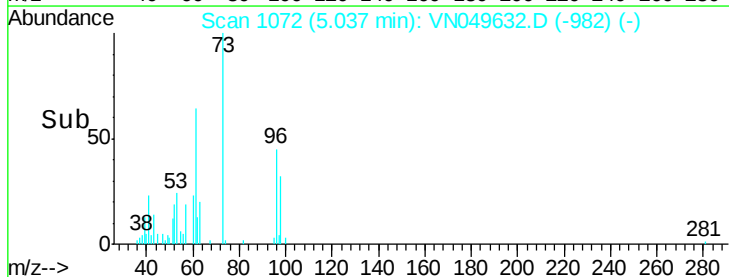
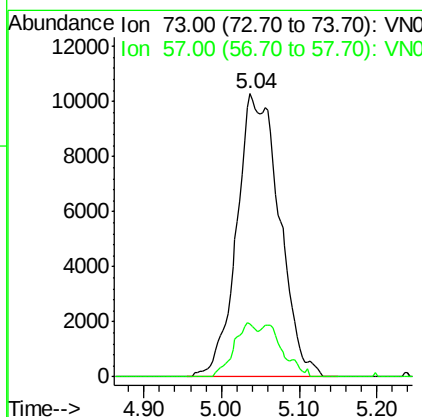
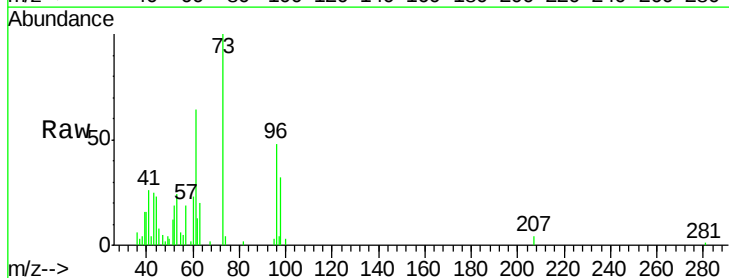
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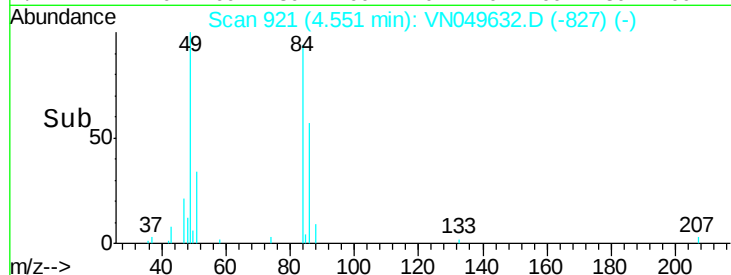
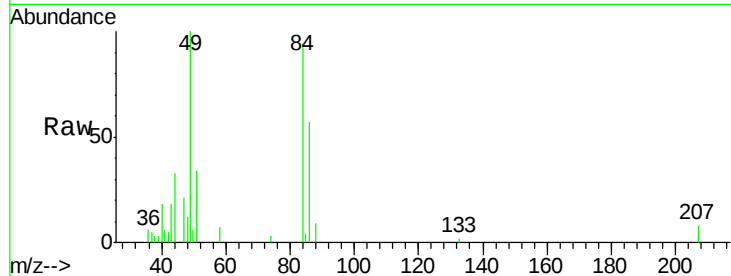
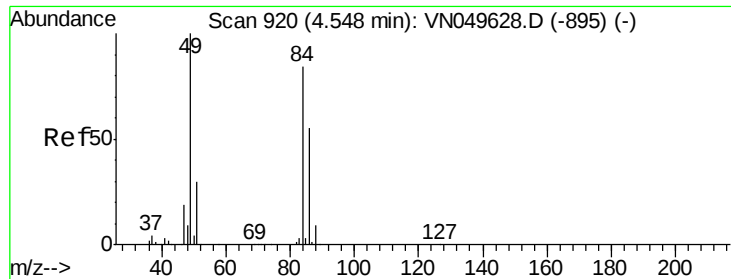
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#19
Methyl tert-butyl Ether
Concen: 1.05 ug/l m
RT: 5.04 min Scan# 1072
Delta R.T. -0.01 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	73	Resp	39078
Ion Ratio	Lower	Upper	
73	100		
57	18.7	18.1	27.1





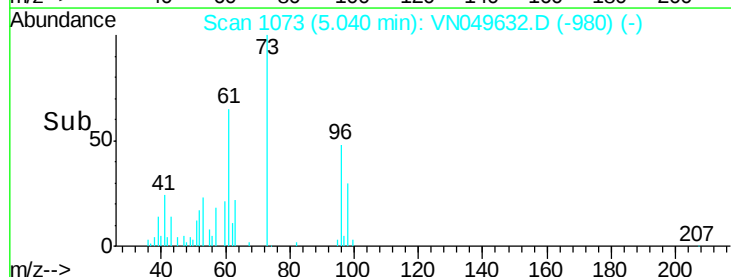
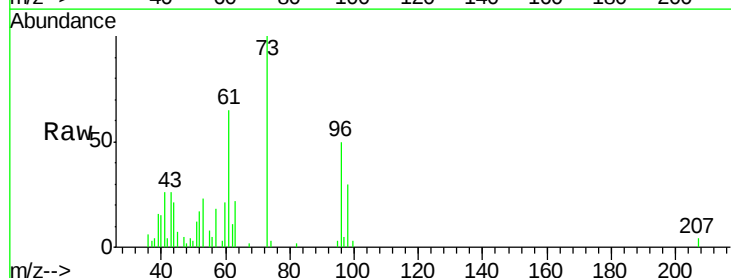
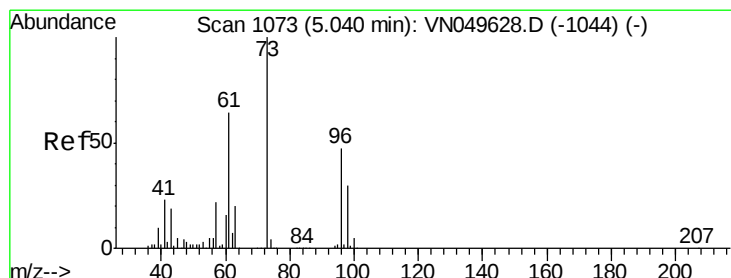
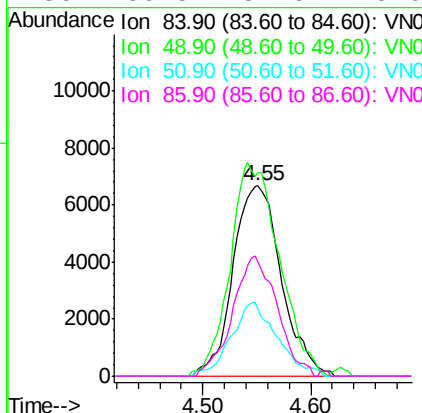
#20
Methvlene Chloride
Concen: 1.23 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tot Ion:	84	Resp:	20698
Ion	Ratio	Lower	Upper
84	100		
49	106.5	95.4	143.2
51	35.8	28.4	42.6
86	60.5	52.6	79.0

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

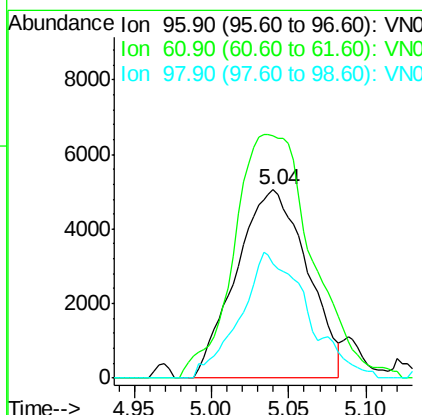
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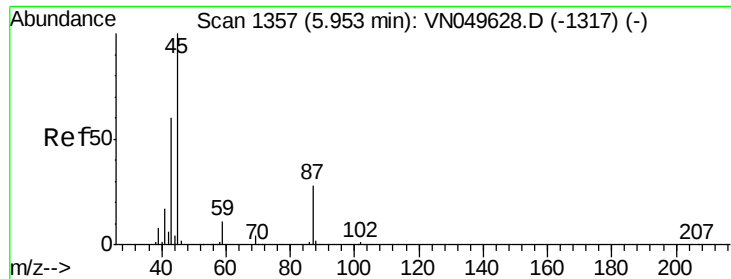
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#21
trans-1,2-Dichloroethene
Concen: 1.08 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion:	96	Resp:	16160
Ion	Ratio	Lower	Upper
96	100		
61	120.2	109.0	163.6
98	60.5	51.1	76.7





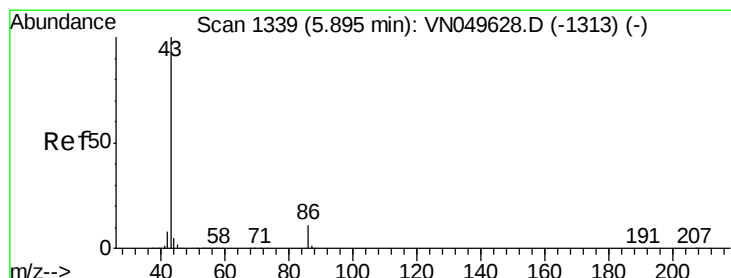
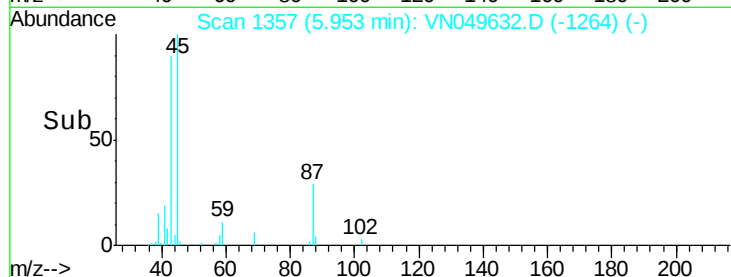
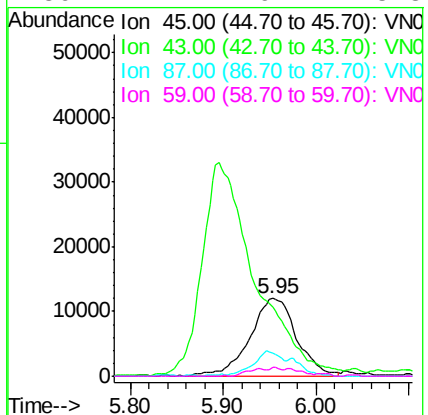
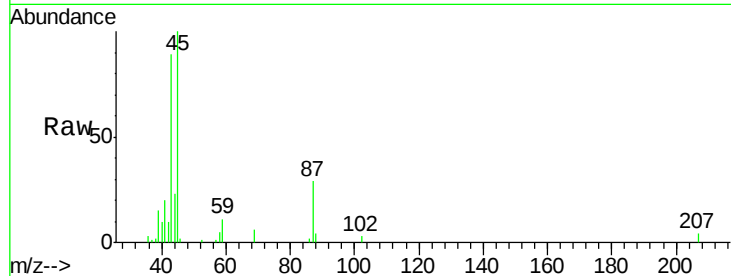
#22
Diisopropyl ether
Concen: 0.94 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:	45	Resp:	42224
Ion	Ratio	Lower	Upper
45	100		
43	80.0	48.1	72.1#
87	29.0	22.6	34.0
59	11.1	9.2	13.8

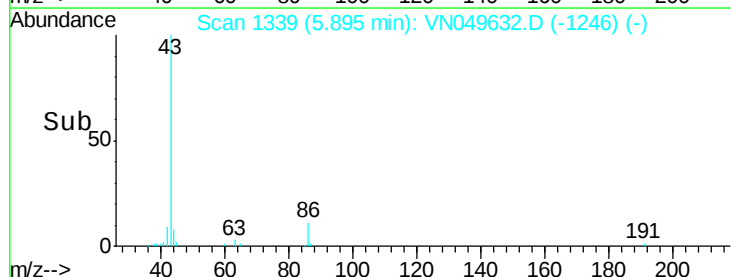
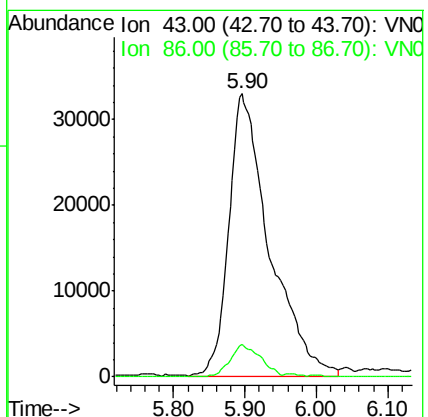
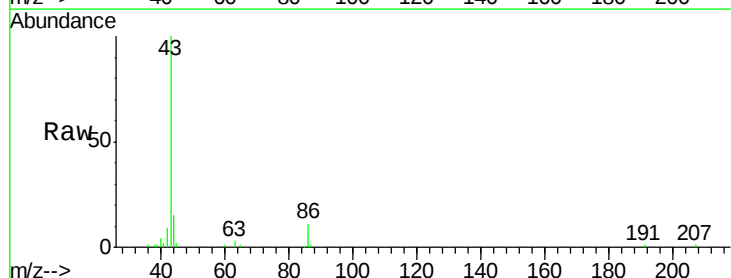
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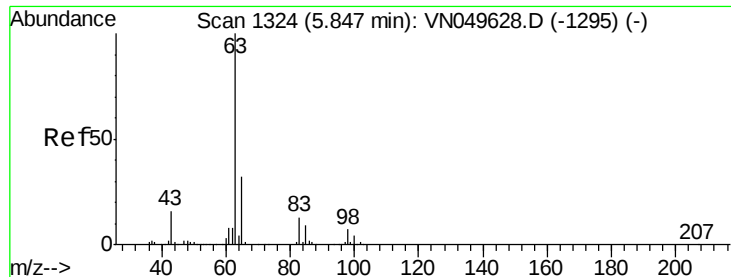
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#23
Vinyl Acetate
Concen: 4.51 ug/l
RT: 5.90 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion:	43	Resp:	131679
Ion	Ratio	Lower	Upper
43	100		
86	11.5	8.4	12.6





#24

1,1-Dichloroethane

Concen: 1.07 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

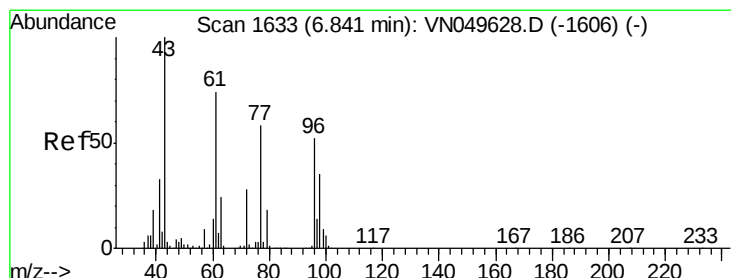
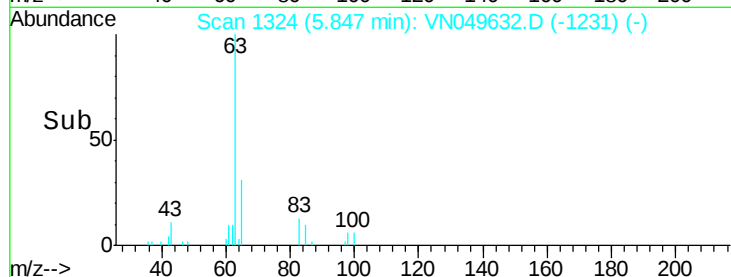
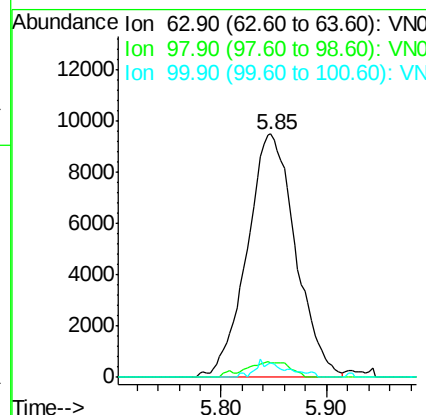
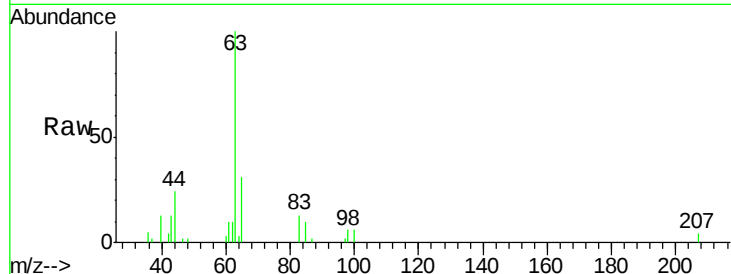
ClientSampled :

VSTDIC001

Tot Ion:	63	Resp:	30429
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.4	10.2
100	5.8	2.2	6.6

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#25

2-Butanone

Concen: 5.54 ug/l

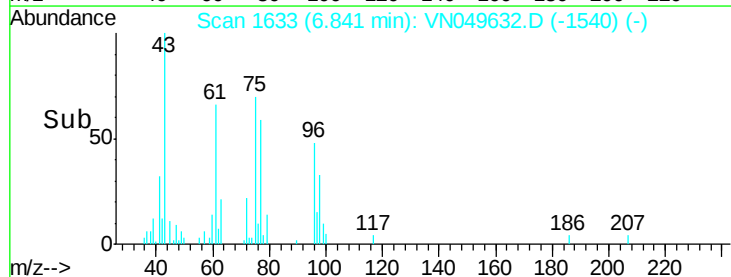
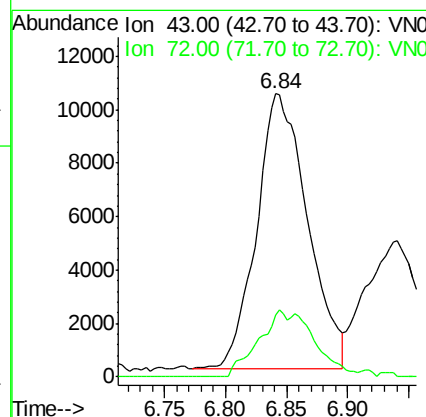
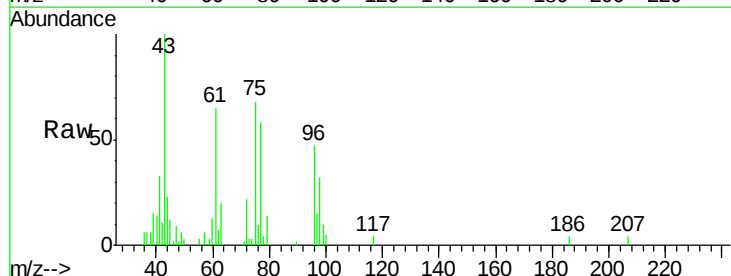
RT: 6.84 min Scan# 1633

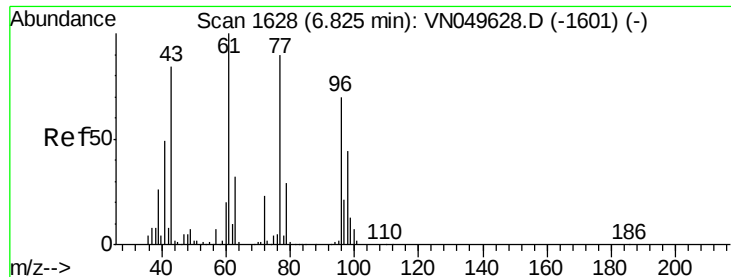
Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	43	Resp:	29961
Ion	Ratio	Lower	Upper
43	100		
72	22.6	22.1	33.1





#26

2,2-Dichloropropane

Concen: 1.08 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 77 Resp: 25517

Ion Ratio Lower Upper

77 100

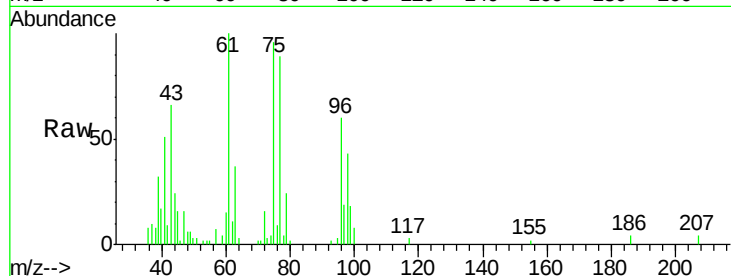
97 12.1 11.9 35.5

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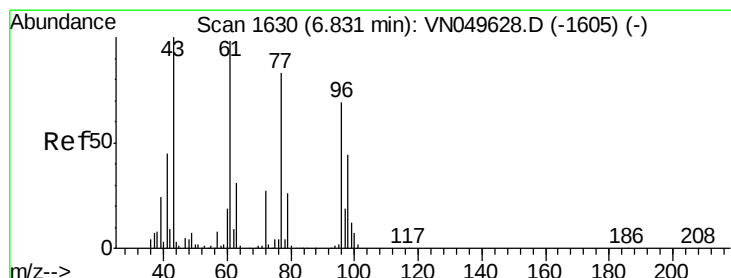
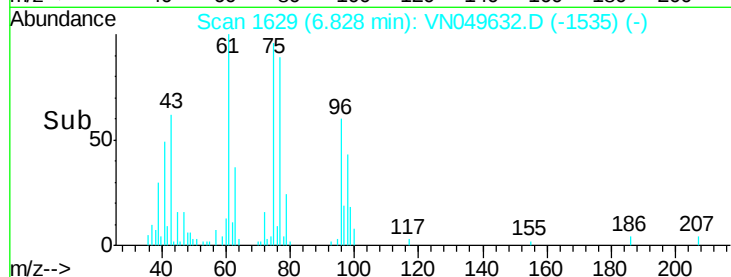
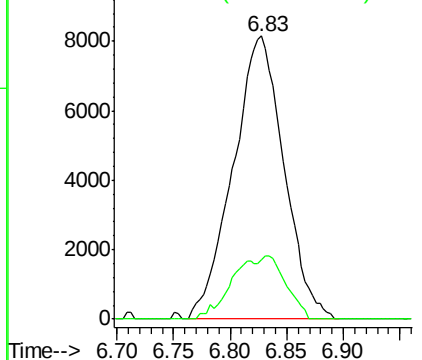
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Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#27

cis-1,2-Dichloroethene

Concen: 1.03 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

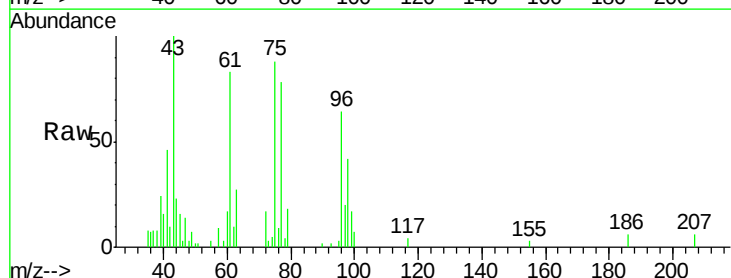
Tgt Ion: 96 Resp: 17153

Ion Ratio Lower Upper

96 100

61 155.9 0.0 289.0

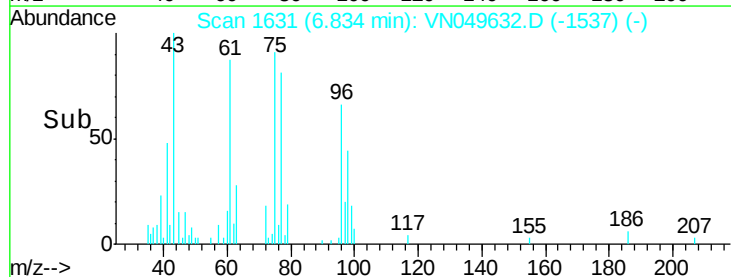
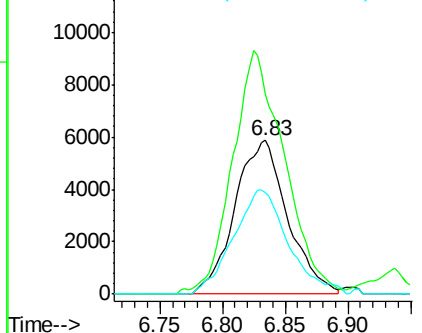
98 70.5 0.0 130.2

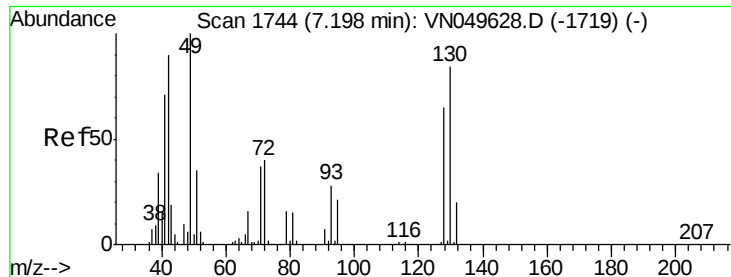


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





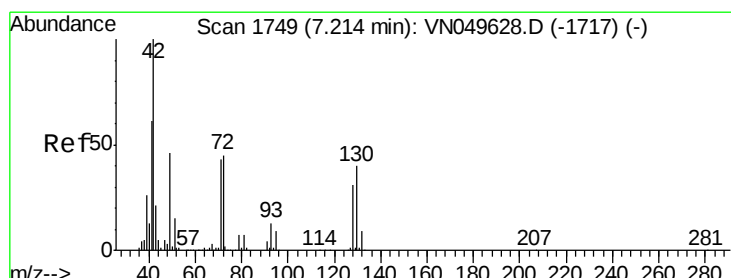
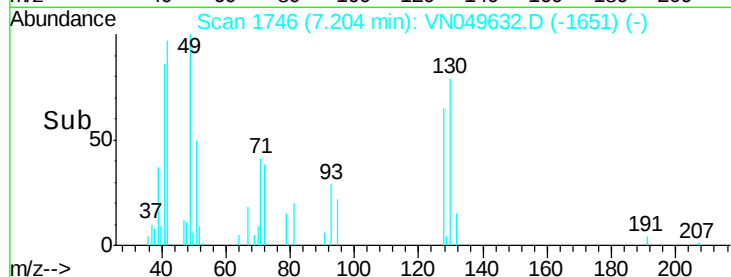
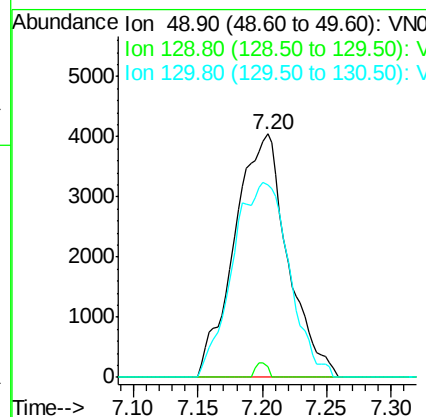
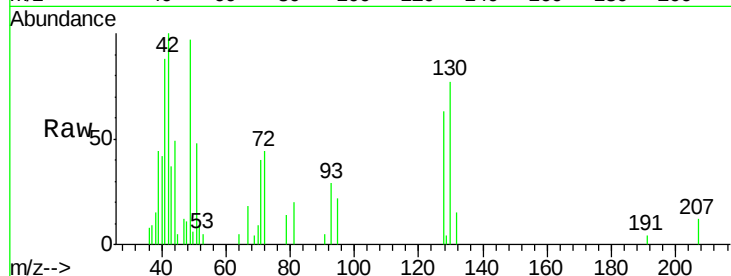
#28
Bromochloromethane
Concen: 0.96 ug/l
RT: 7.20 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	49	Ratio	Lower	Upper
49	100			
129	1.4	0.0	4.2	
130	85.4	65.5	98.3	

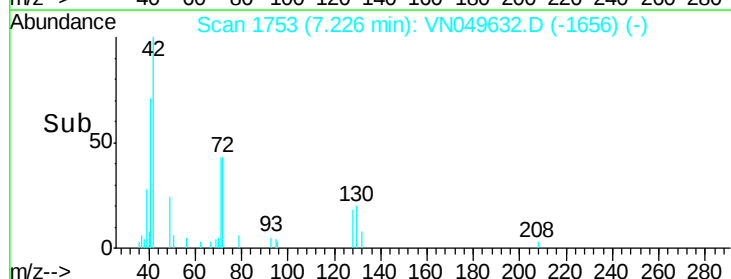
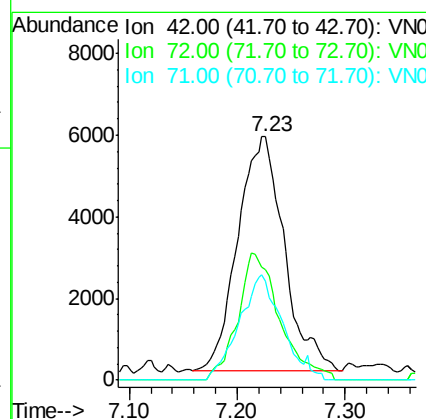
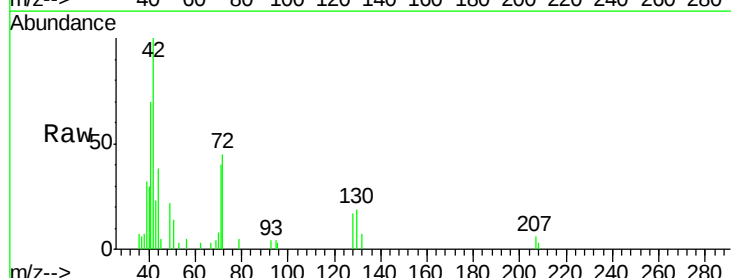
Manual Integrations
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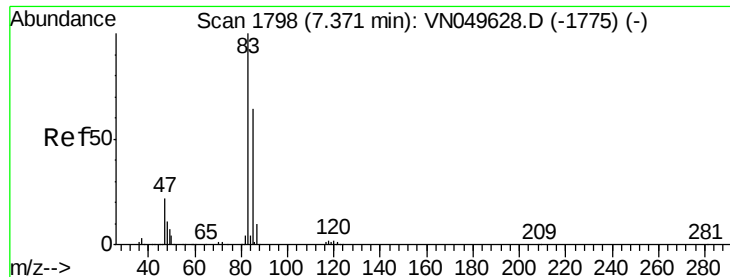
apatel
7/2/2018 2:19:43 PM



#29
Tetrahydrofuran
Concen: 4.98 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	42	Ratio	Lower	Upper
42	100			
72	49.1	35.6	53.4	
71	42.0	34.0	51.0	





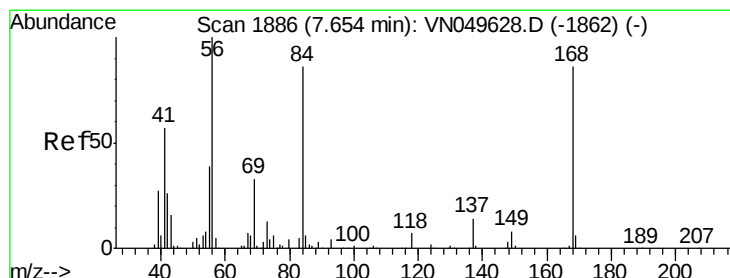
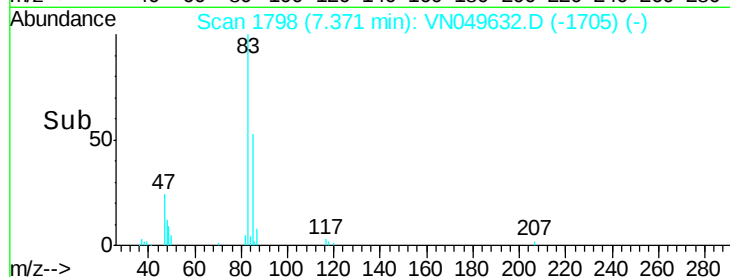
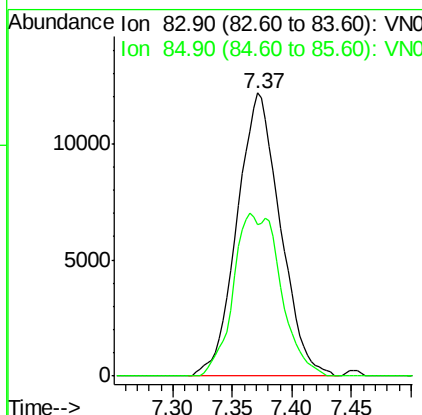
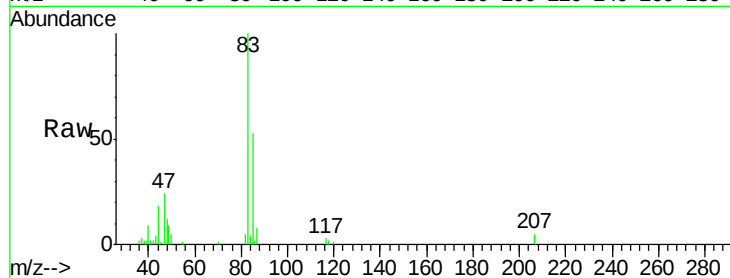
#30
Chloroform
Concen: 1.06 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	83	Resp	30626
Ion Ratio	Lower	Upper	
83	100		
85	53.4	51.4	77.2

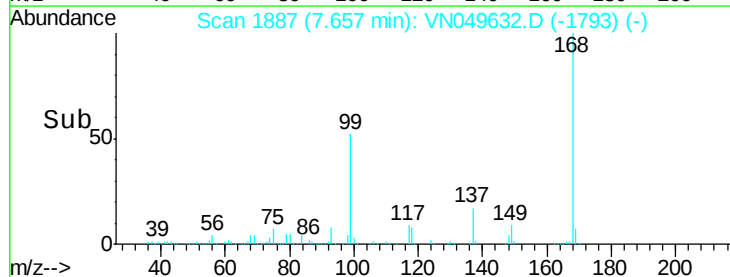
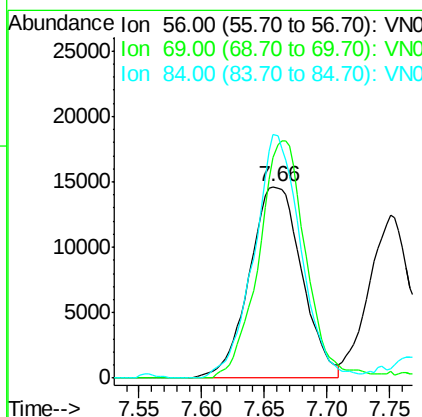
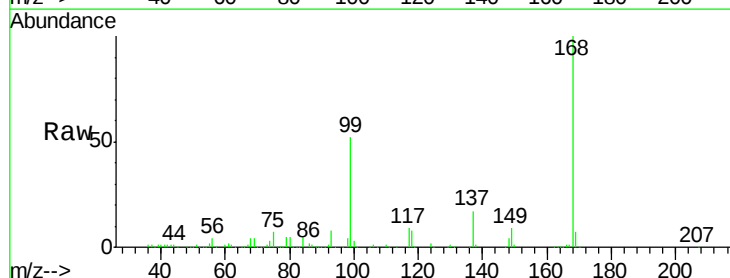
Manual Integrations
APPROVED

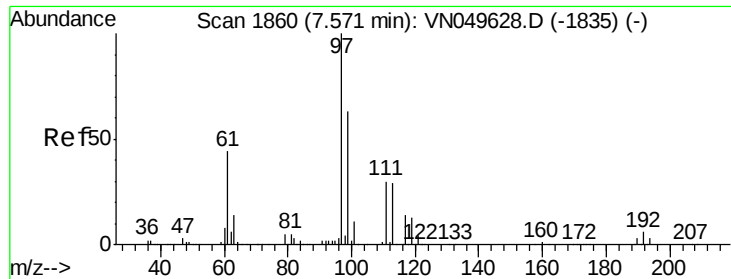
apatel
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#31
Cyclohexane
Concen: 1.52 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	56	Resp	42566
Ion Ratio	Lower	Upper	
56	100		
69	114.9	26.6	40.0#
84	127.0	69.0	103.6#





#32

1,1,1-Trichloroethane

Concen: 1.02 ug/l

RT: 7.56 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

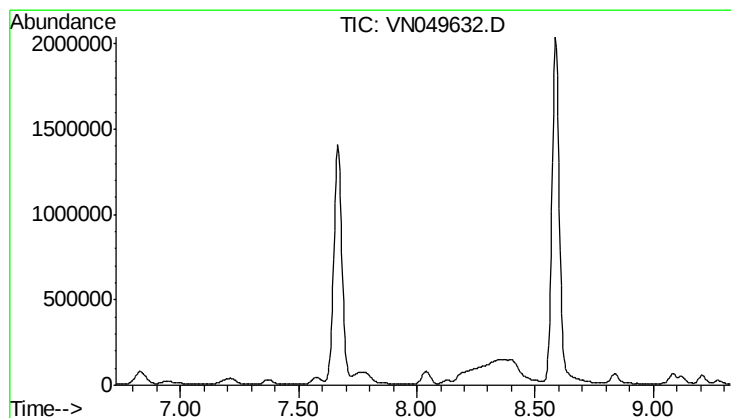
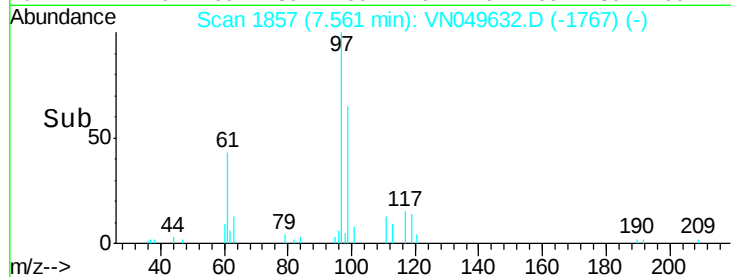
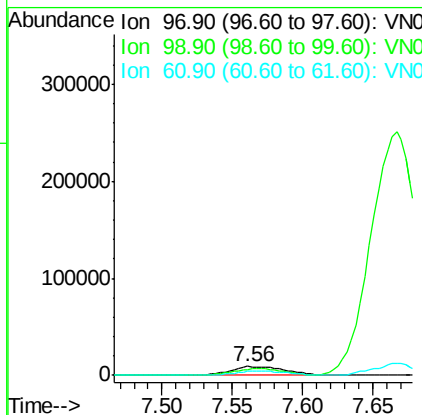
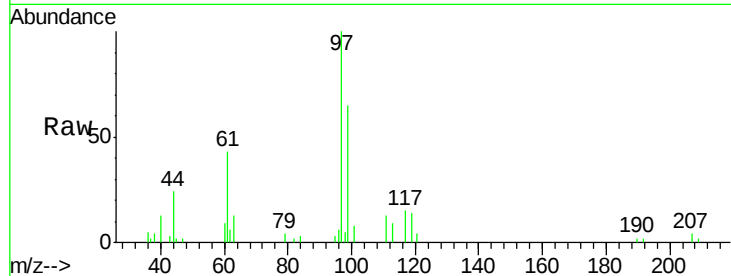
ClientSampled :

VSTDIC001

Tot Ion:	97	Resp:	25008
Ion Ratio	Lower	Upper	
97	100		
99	0.0	51.0	76.4#
61	49.5	35.5	53.3

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 0.00 ug/l

Expected RT: 8.03 min

Lab File: VN049632.D

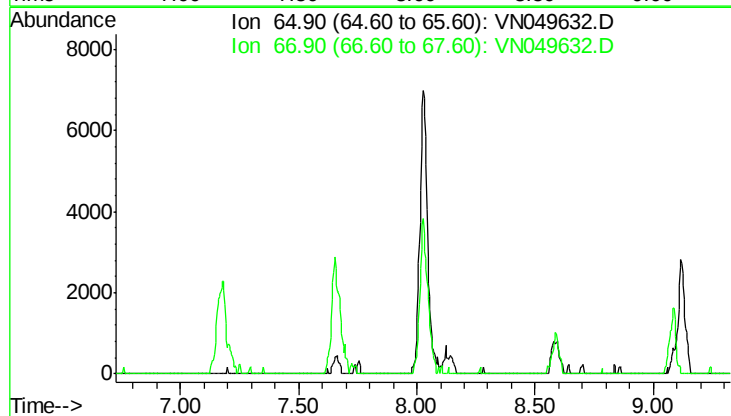
Acq: 29 Jun 2018 14:26

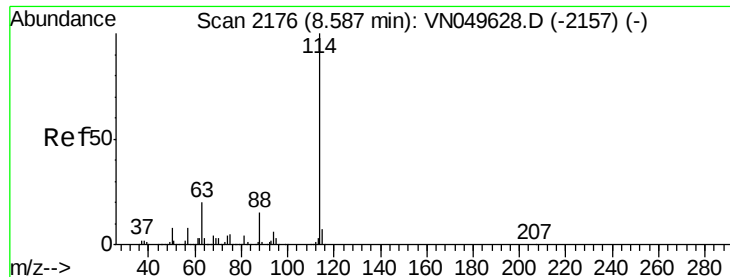
Tgt Ion: 65

Sig Exp Ratio

65 100

67 53.6





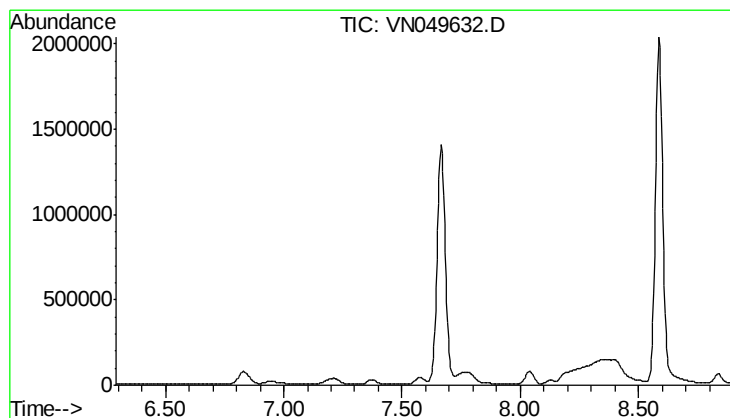
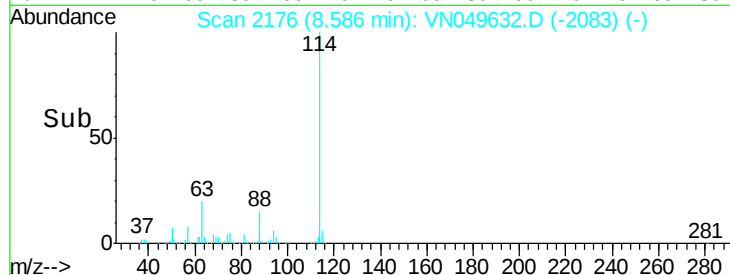
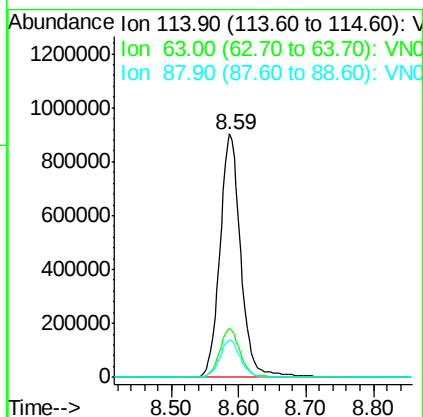
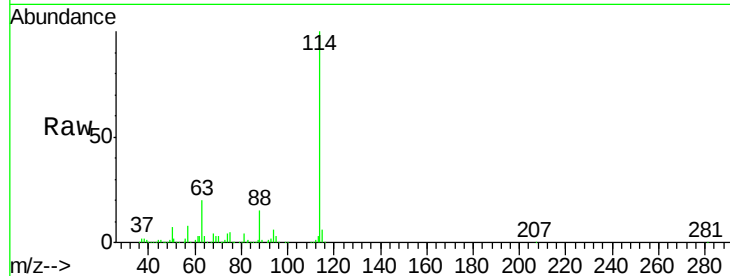
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
114	100		1948901		
63	19.9	0.0		39.8	
88	15.2	0.0		30.6	

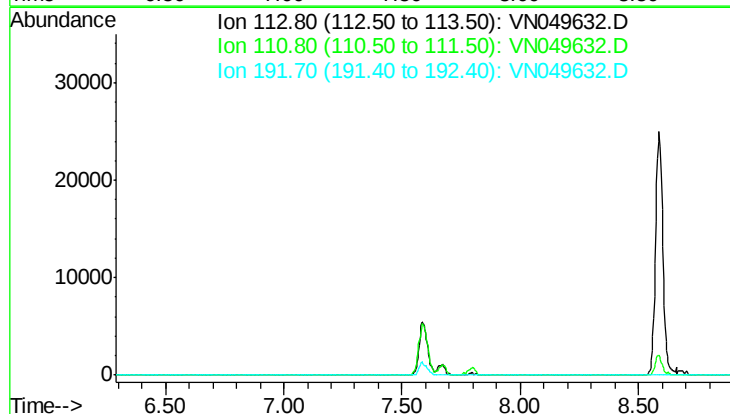
Manual Integrations
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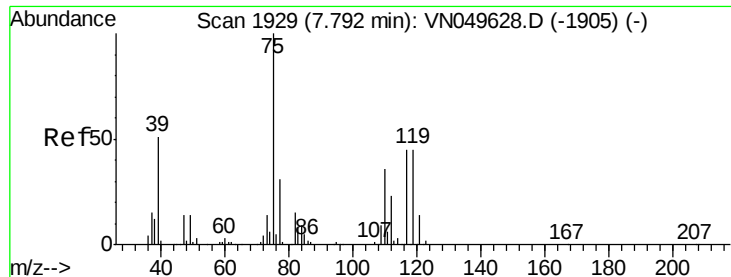
apatel
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#35
 Dibromofluoromethane
 Concen: 0.00 ug/l
 Expected RT: 7.59 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion	Sig	Exp Ratio
113	100	
111	102.3	
192	22.2	





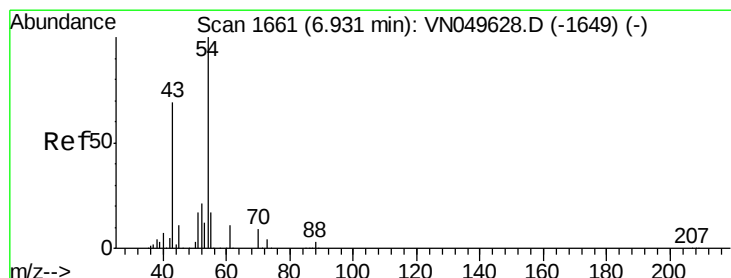
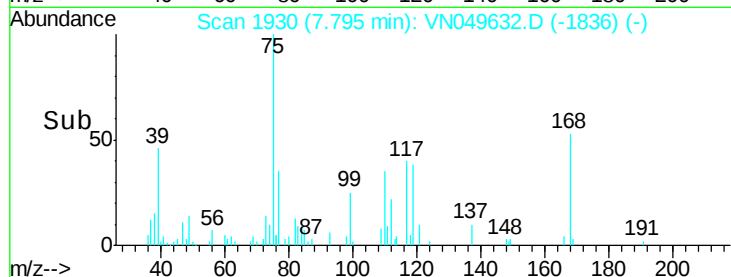
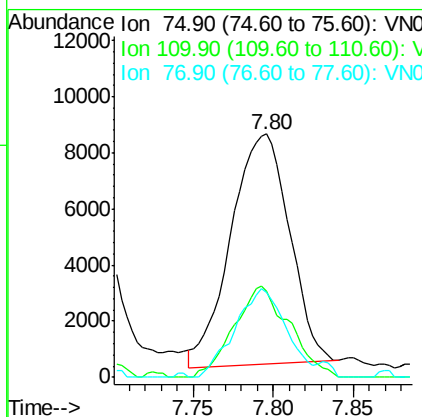
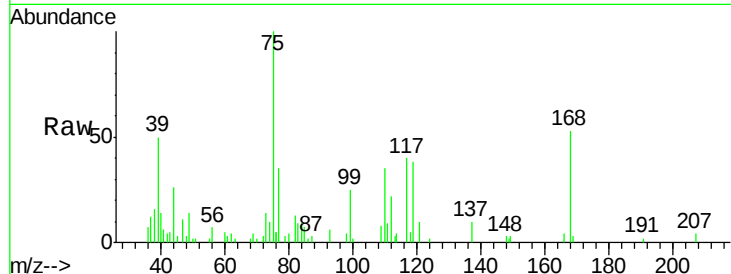
#36
 1,1-Dichloropropene
 Concen: 0.94 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.1	54.4
77	33.5	24.9	37.3

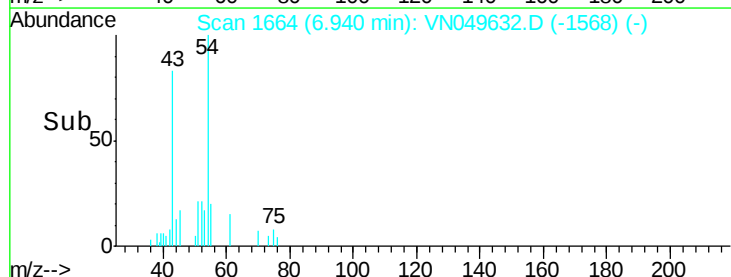
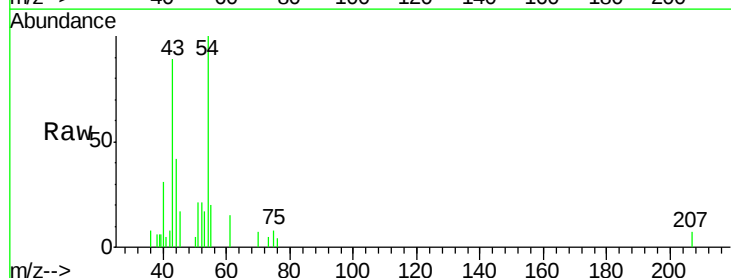
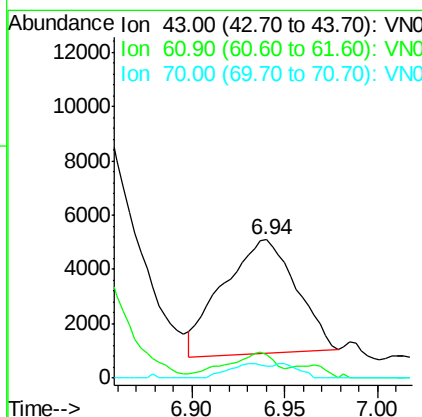
Manual Integrations
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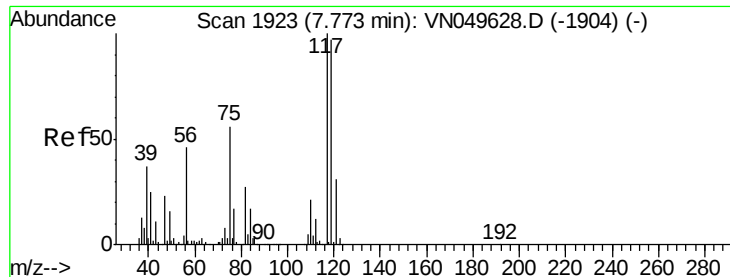
apatel
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#37
 Ethyl Acetate
 Concen: 0.90 ug/l
 RT: 6.94 min Scan# 1664
 Delta R.T. 0.01 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
43	100		
61	10.8	11.7	17.5#
70	6.4	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 1.02 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 21672

Ion Ratio Lower Upper

117 100

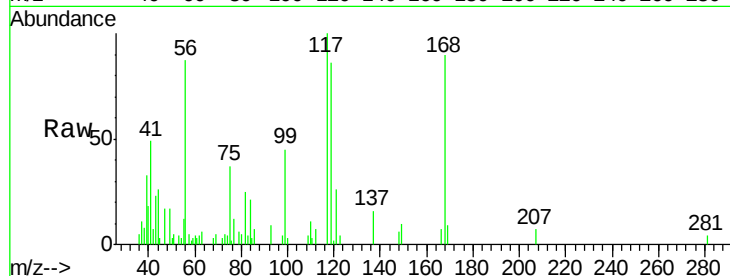
119 86.2 77.2 115.8

121 25.6 25.0 37.6

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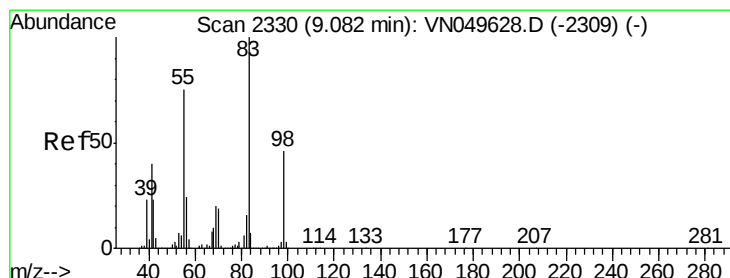
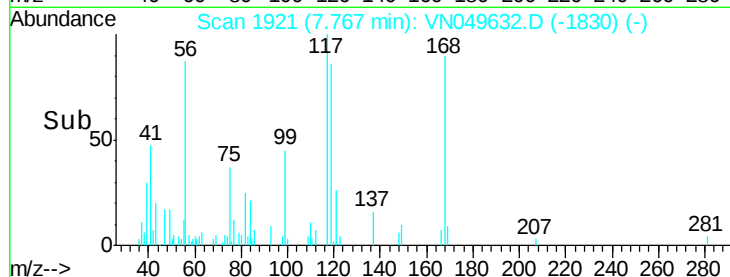
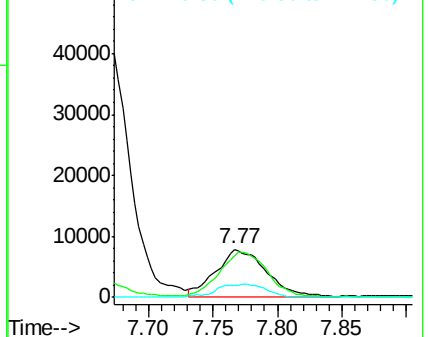
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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.00 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

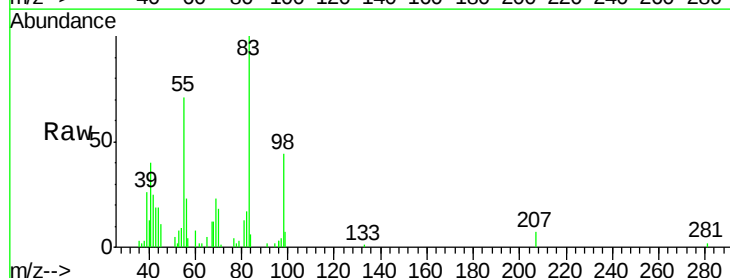
Tgt Ion: 83 Resp: 23947

Ion Ratio Lower Upper

83 100

55 70.7 59.7 89.5

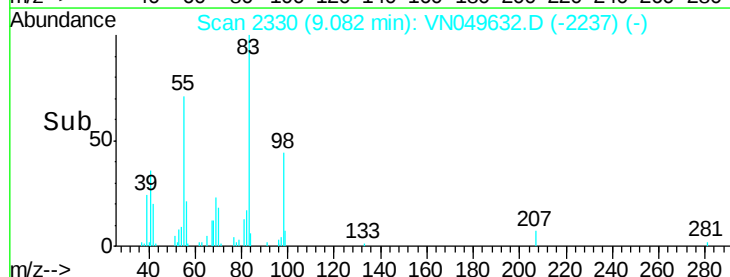
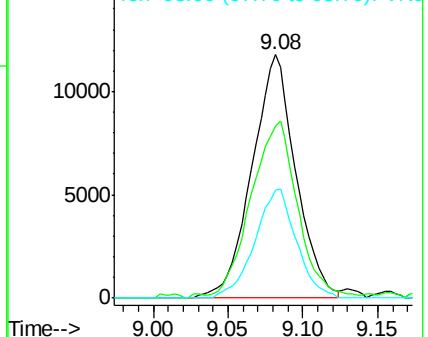
98 44.1 36.5 54.7

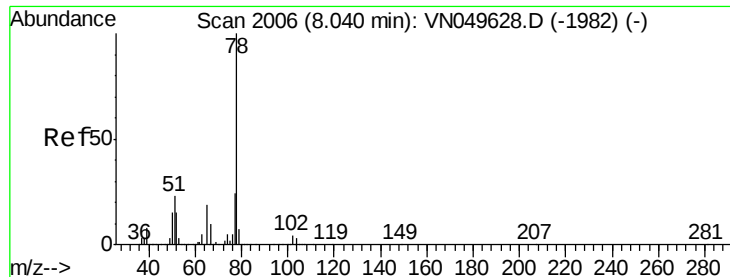


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 1.00 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 78 Resp: 66910

Ion Ratio Lower Upper

78 100

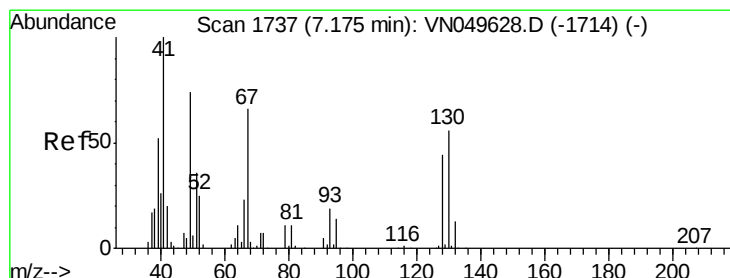
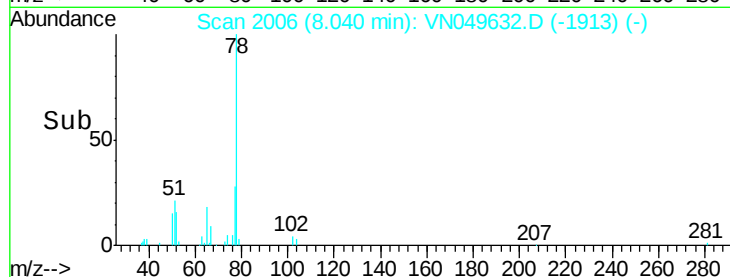
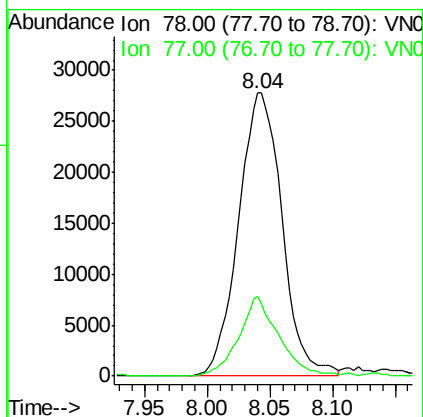
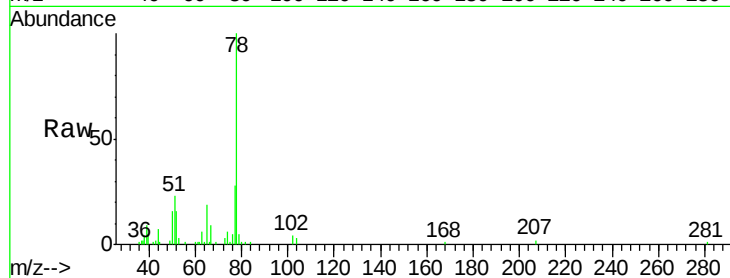
77 28.1 19.0 28.4

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#41

Methacrylonitrile

Concen: 0.87 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. 0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion: 41 Resp: 5962

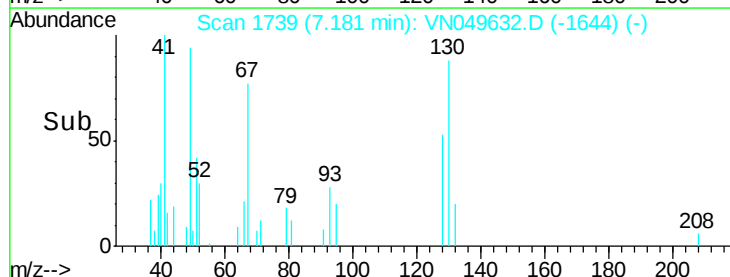
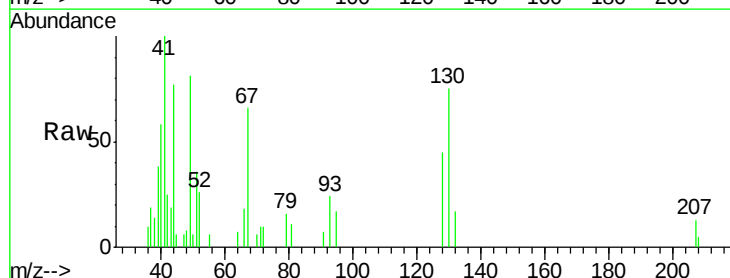
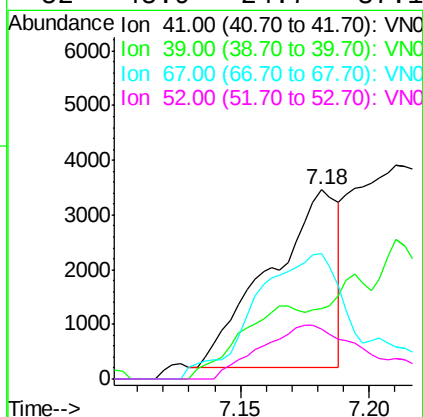
Ion Ratio Lower Upper

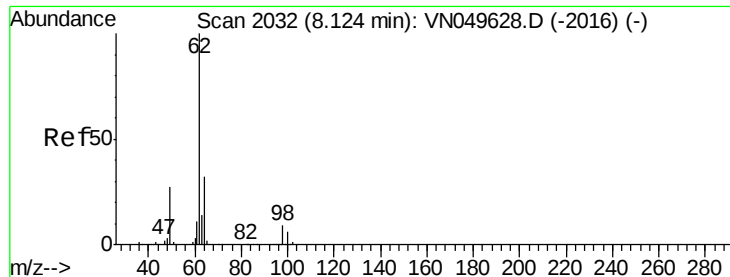
41 100

39 38.9 45.4 68.2#

67 108.0 65.4 98.0#

52 45.9 24.7 37.1#





#42

1,2-Dichloroethane

Concen: 1.07 ug/l

RT: 8.12 min Scan# 2032

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 62 Resp: 22887

Ion Ratio Lower Upper

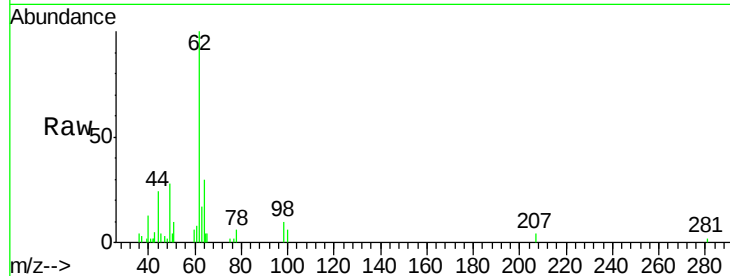
62 100

98 9.1 0.0 19.0

Manual Integrations
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Abundance Ion 61.90 (61.60 to 62.60): VN049632.D (-1939) (-)

Ion 97.90 (97.60 to 98.60): VN049632.D (-1939) (-)

8.12

10000

8000

6000

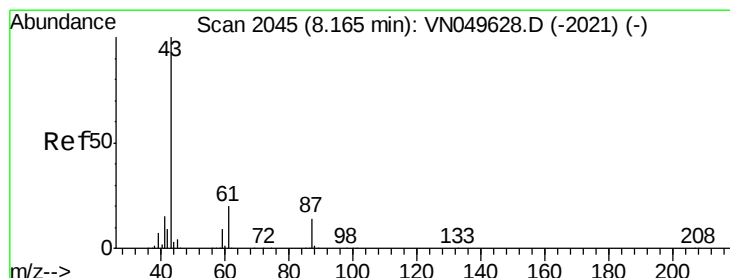
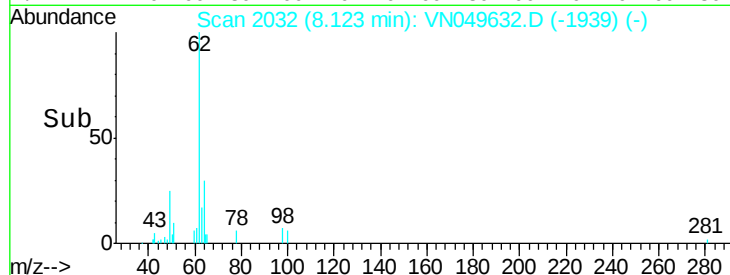
4000

2000

0

8.05 8.10 8.15 8.20

Time-->



#43

Isopropyl Acetate

Concen: 1.64 ug/l

RT: 8.18 min Scan# 2051

Delta R.T. 0.02 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

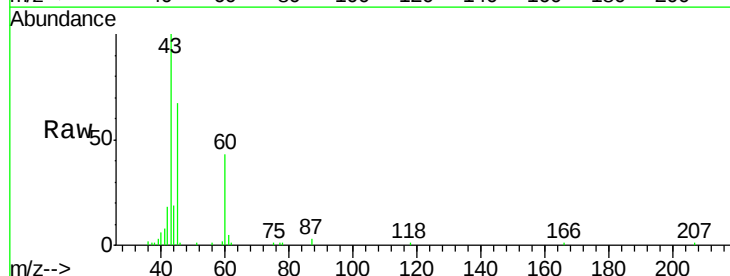
Tgt Ion: 43 Resp: 49671

Ion Ratio Lower Upper

43 100

61 9.1 14.9 22.3#

87 6.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049632.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049632.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049632.D (-1952) (-)

40000

30000

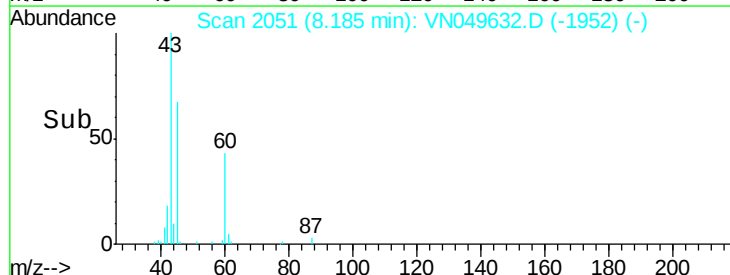
20000

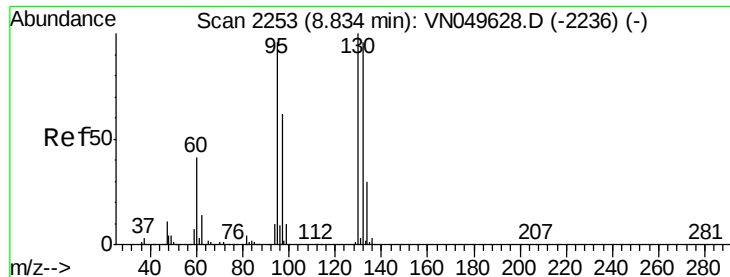
10000

0

8.05 8.10 8.15 8.20

Time-->





#44

Trichloroethene

Concen: 1.08 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 21796

Ion Ratio Lower Upper

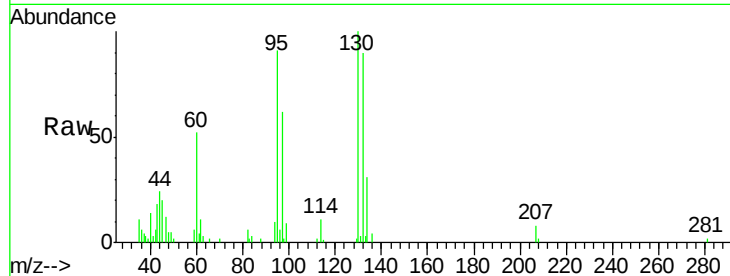
130 100

95 91.0 0.0 192.8

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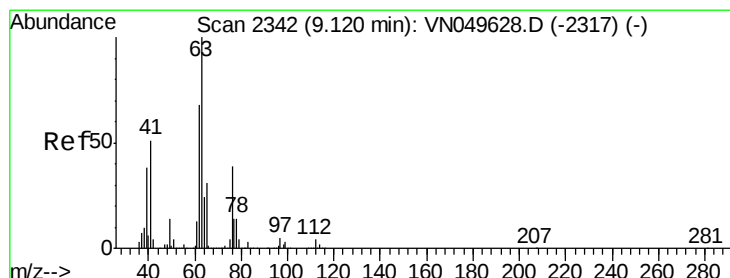
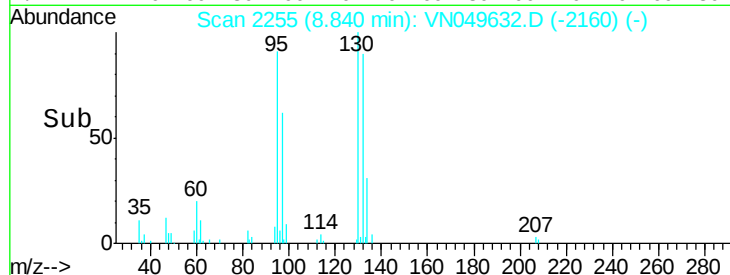
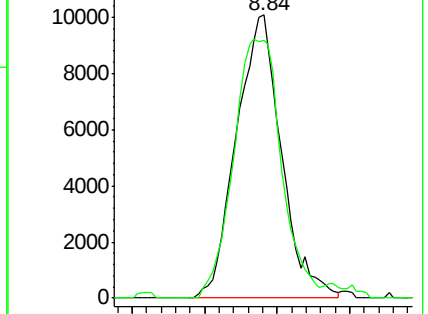
apatel

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.91 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049632.D

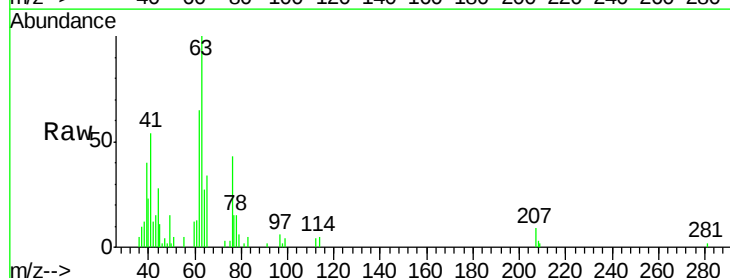
Acq: 29 Jun 2018 14:26

Tgt Ion: 63 Resp: 15669

Ion Ratio Lower Upper

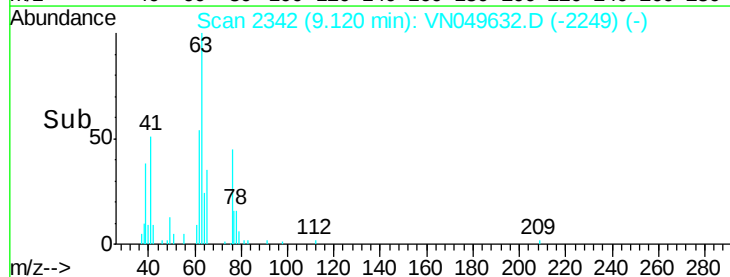
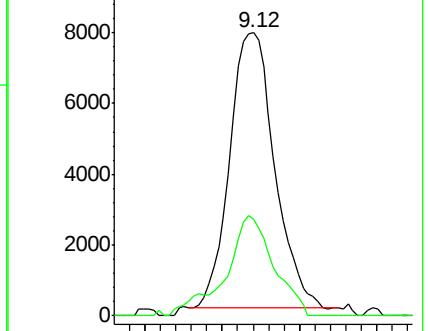
63 100

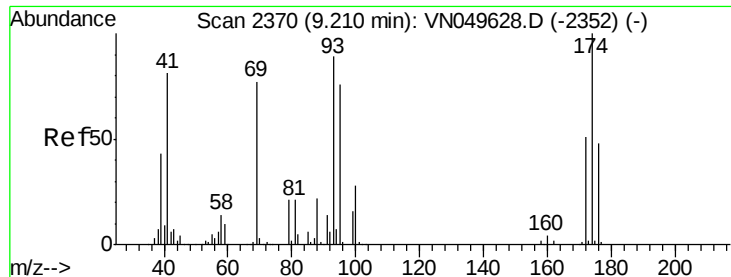
65 35.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





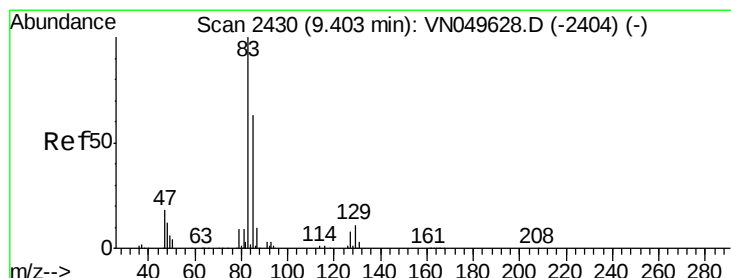
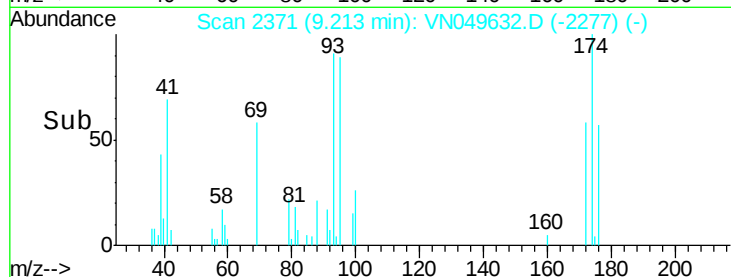
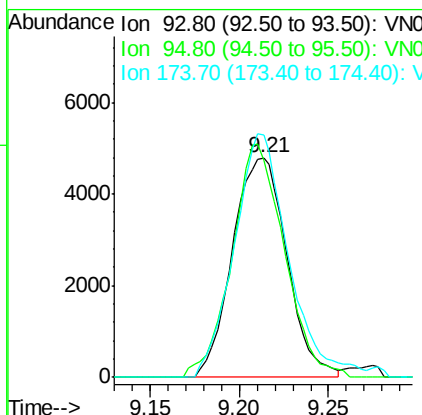
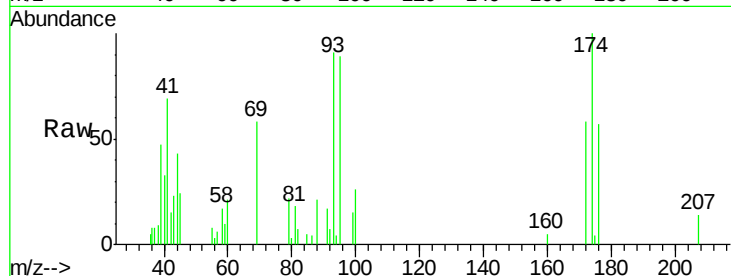
#46
Dibromomethane
Concen: 0.98 ug/l
RT: 9.21 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
93	100		
95	102.5	67.9	101.9#
174	110.7	89.4	134.0

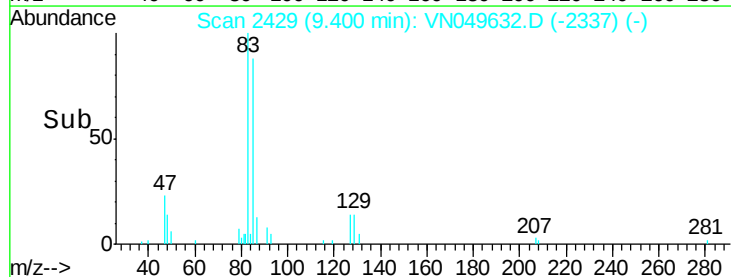
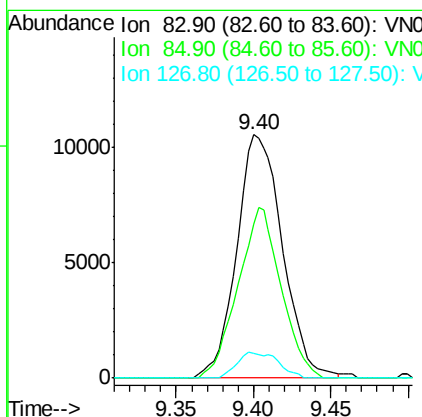
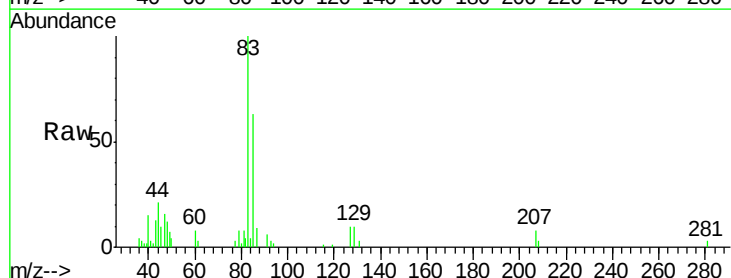
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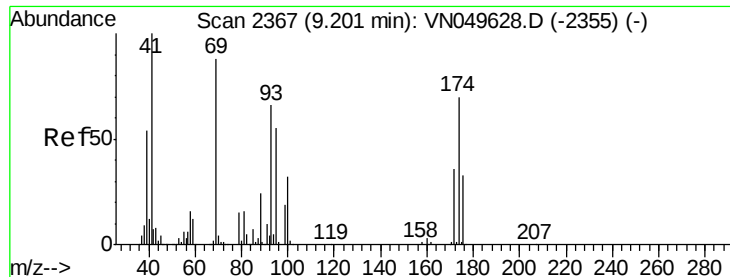
apatel
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#47
Bromodichloromethane
Concen: 0.97 ug/l
RT: 9.40 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.5	75.7
127	10.3	6.8	10.2#





#48

Methvl methacrylate

Concen: 0.93 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

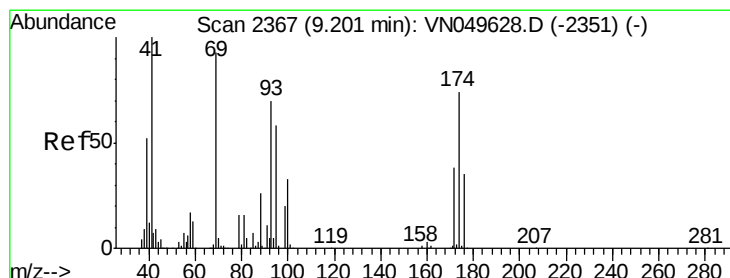
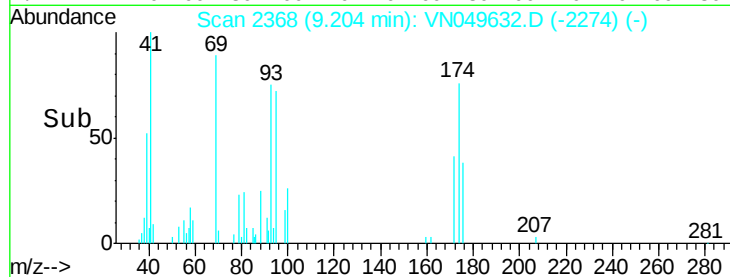
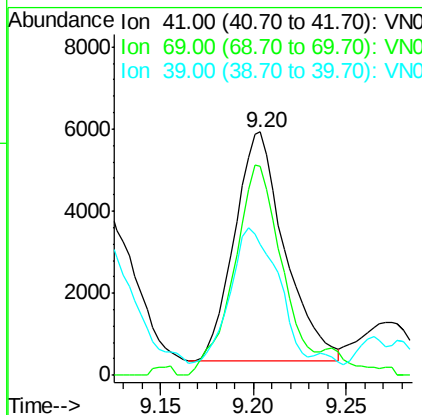
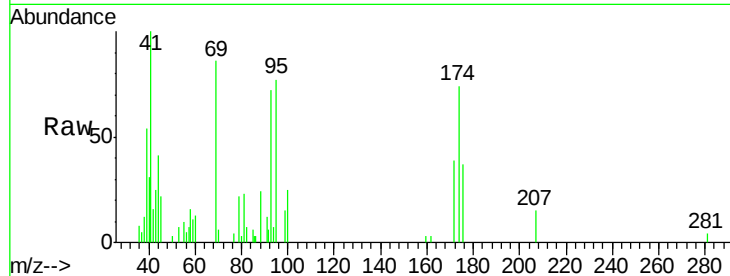
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	10577
Ion Ratio	Lower	Upper	
41	100		
69	87.4	71.5	107.3
39	55.4	44.7	67.1

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#49

1,4-Dioxane

Concen: 18.73 ug/l

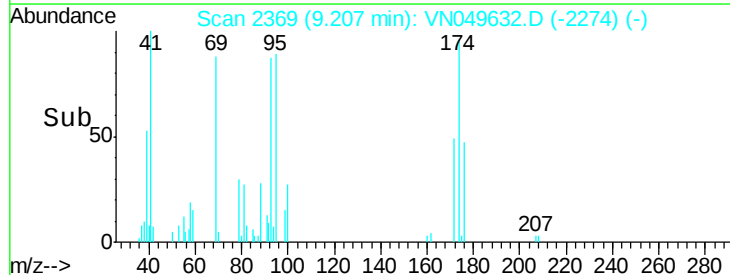
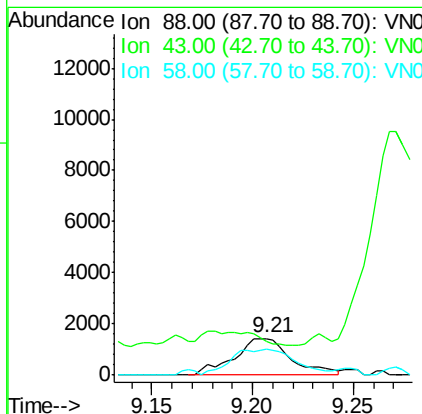
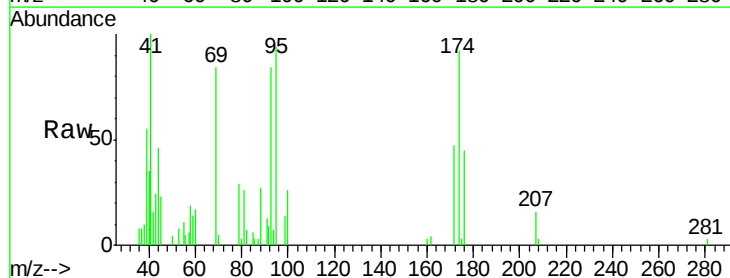
RT: 9.21 min Scan# 2369

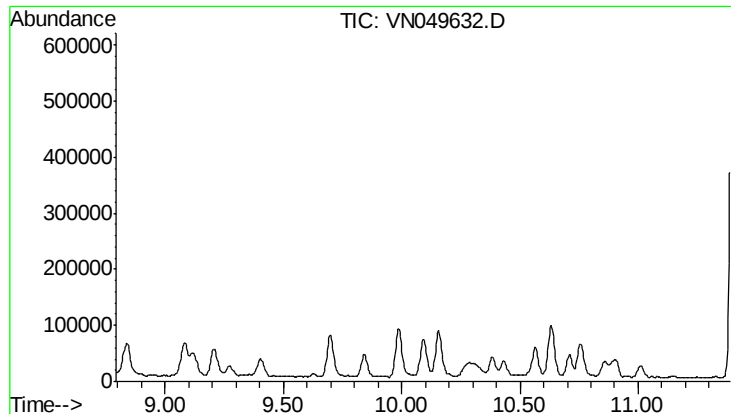
Delta R.T. 0.01 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	88	Resp:	2861
Ion Ratio	Lower	Upper	
88	100		
43	0.0	25.1	37.7#
58	32.0	52.5	78.7#





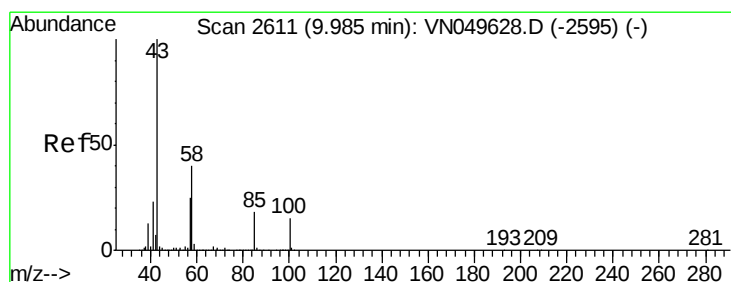
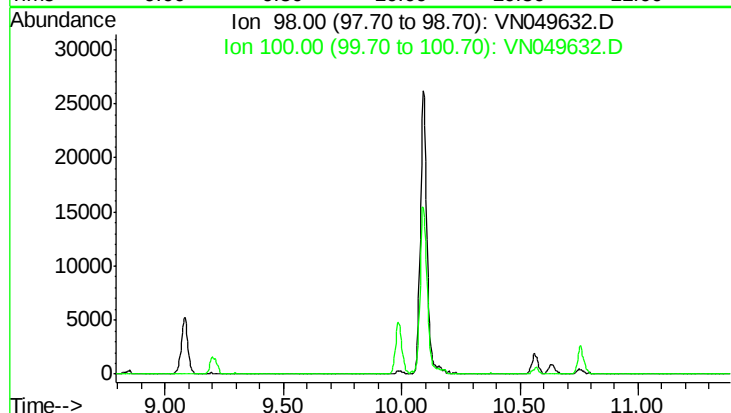
#50
Toluene-d8
Concen: 0.00 ug/l
Expected RT: 10.09 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	98	100
Exp Ratio	100	64.6

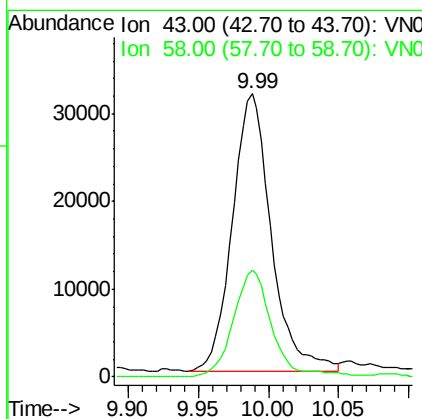
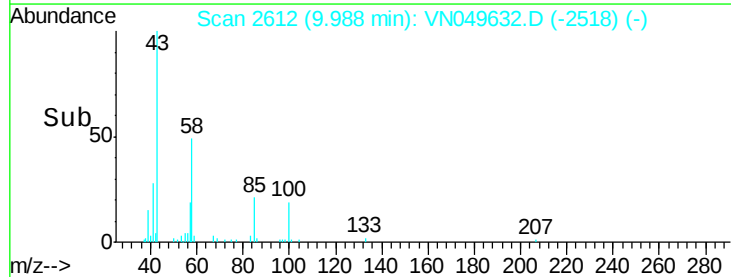
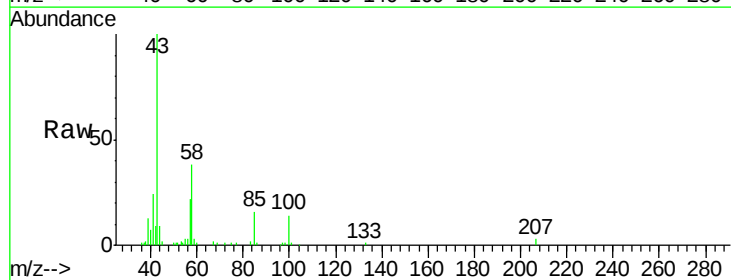
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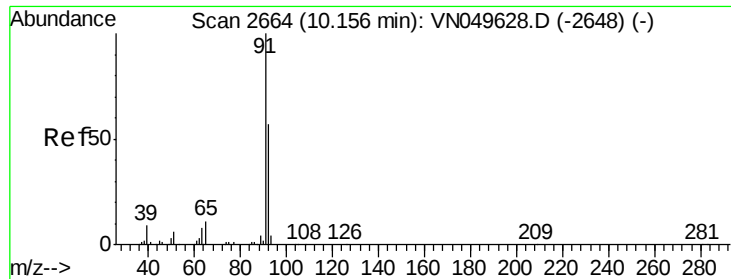
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#51
4-Methyl-2-Pentanone
Concen: 4.88 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	43	58	Resp	Lower	Upper
Ratio	100	36.4		31.8	47.8





#52

Toluene

Concen: 0.94 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 38143

Ion Ratio Lower Upper

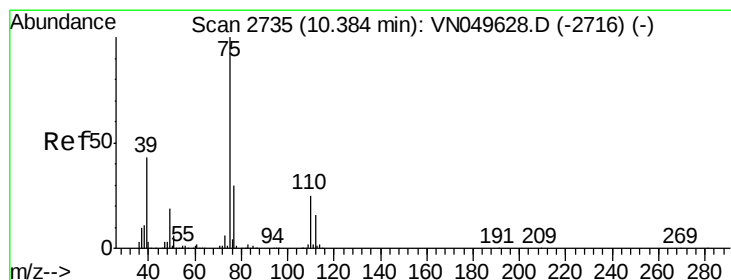
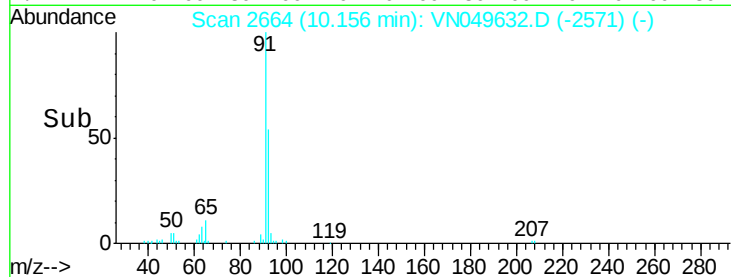
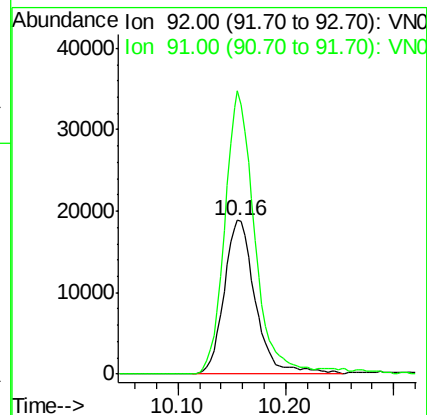
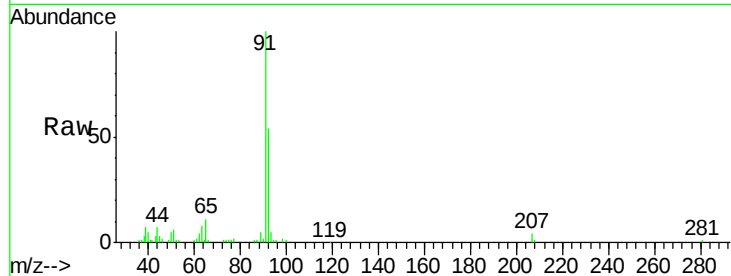
92 100

91 173.7 140.1 210.1

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#53

t-1,3-Dichloropropene

Concen: 0.92 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049632.D

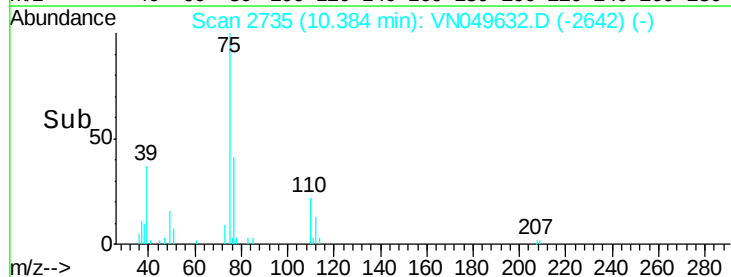
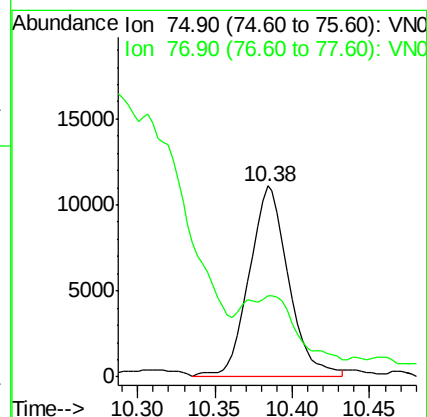
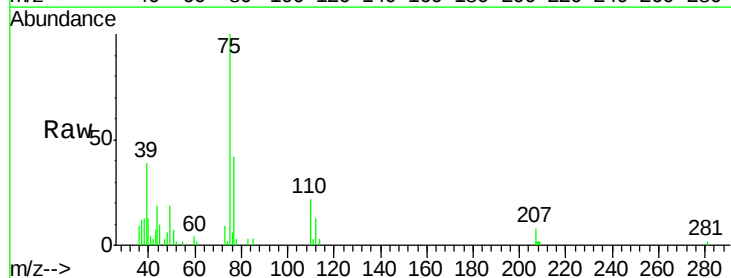
Acq: 29 Jun 2018 14:26

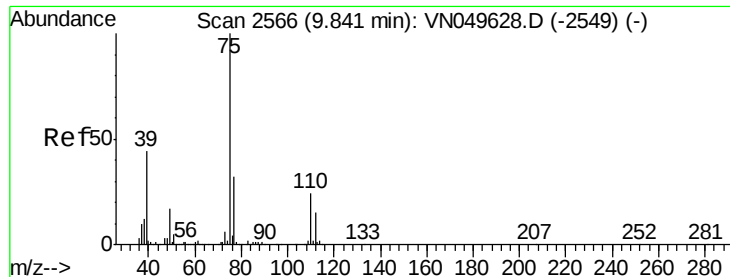
Tgt Ion: 75 Resp: 19714

Ion Ratio Lower Upper

75 100

77 33.2 25.2 37.8





#54

cis-1,3-Dichloropropene

Concen: 0.91 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

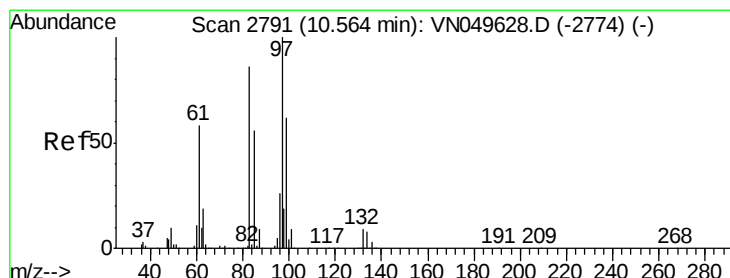
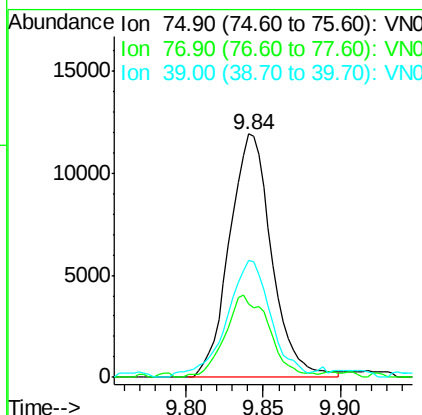
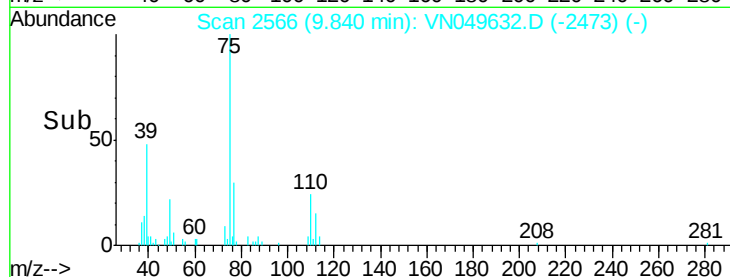
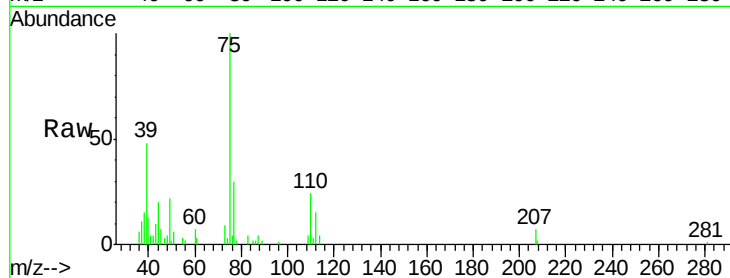
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	22576
Ion Ratio	Lower	Upper	
75	100		
77	28.9	25.3	37.9
39	45.4	35.5	53.3

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#55

1,1,2-Trichloroethane

Concen: 1.05 ug/l

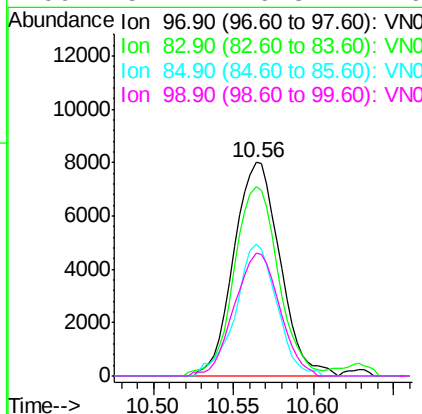
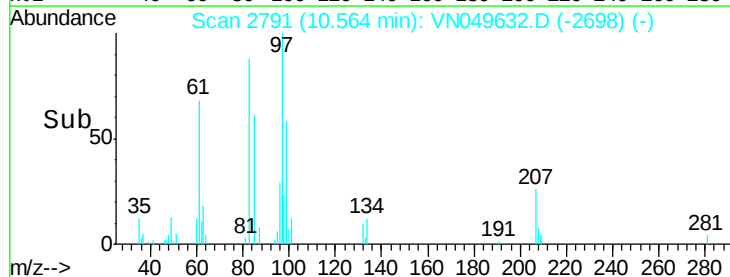
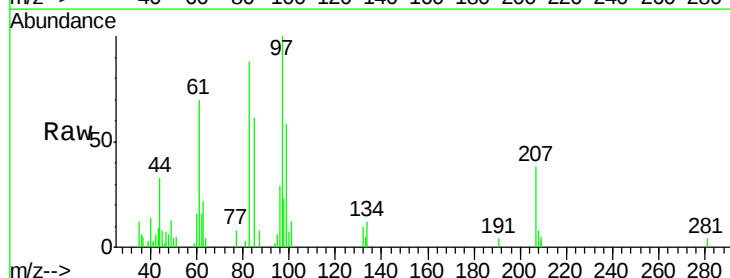
RT: 10.56 min Scan# 2791

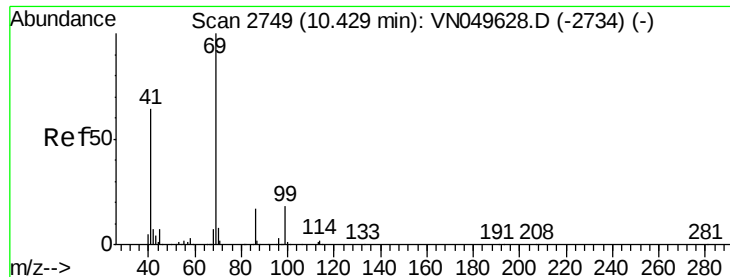
Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	97	Resp:	15749
Ion Ratio	Lower	Upper	
97	100		
83	86.4	69.0	103.6
85	61.5	44.9	67.3
99	57.7	49.8	74.6





#56

Ethyl methacrylate

Concen: 0.87 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

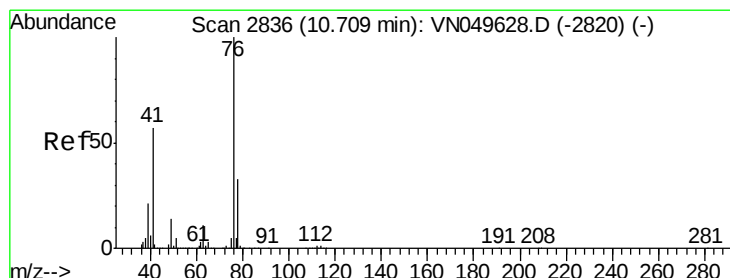
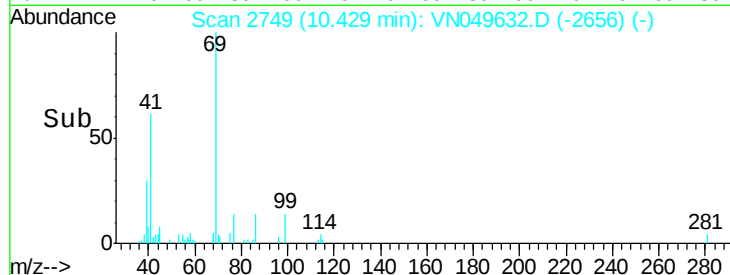
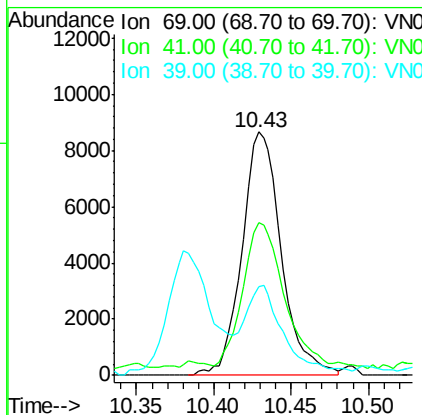
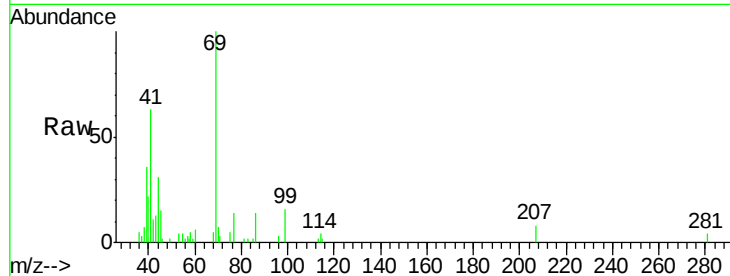
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	15340
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.6	77.4
39	35.4	25.8	38.8

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#57

1,3-Dichloropropane

Concen: 0.92 ug/l

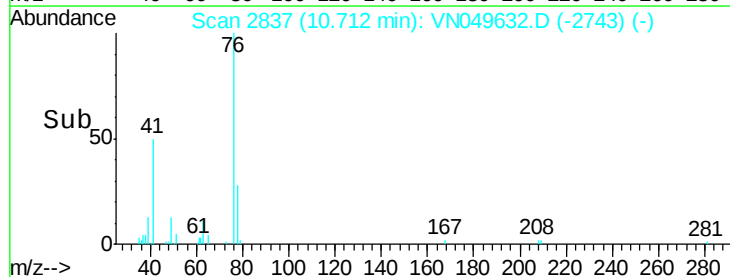
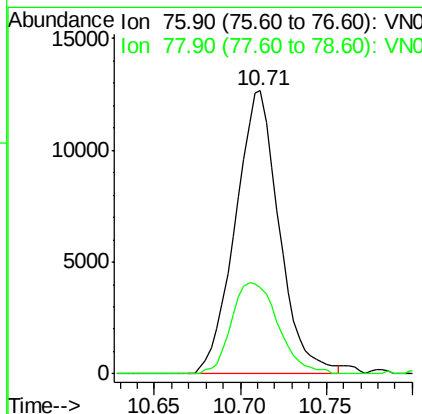
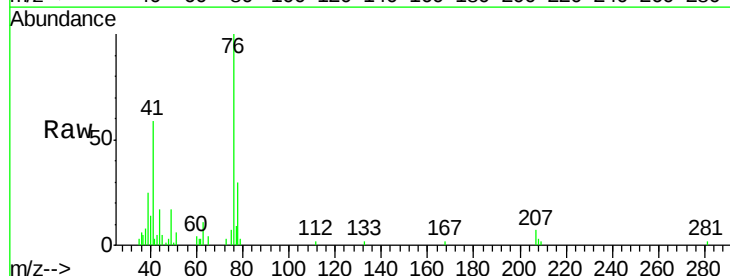
RT: 10.71 min Scan# 2837

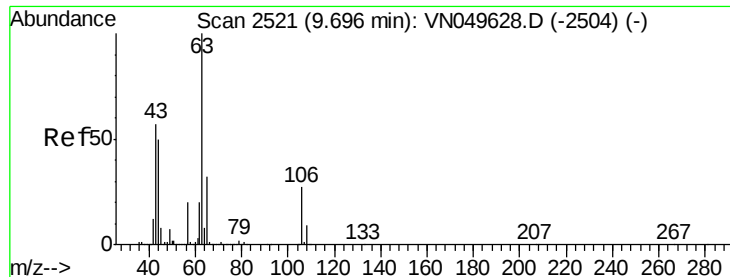
Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	76	Resp:	22516
Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.8	38.8





#58

2-Chloroethyl Vinyl ether

Concen: 4.46 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 63 Resp: 36668

Ion Ratio Lower Upper

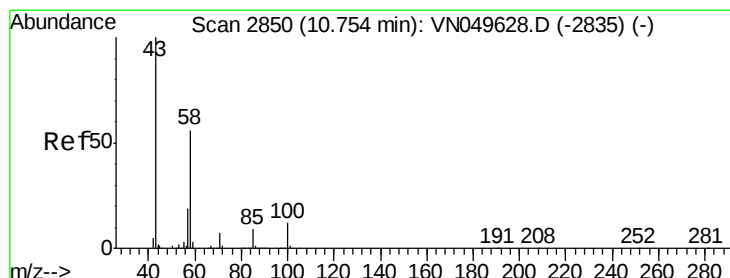
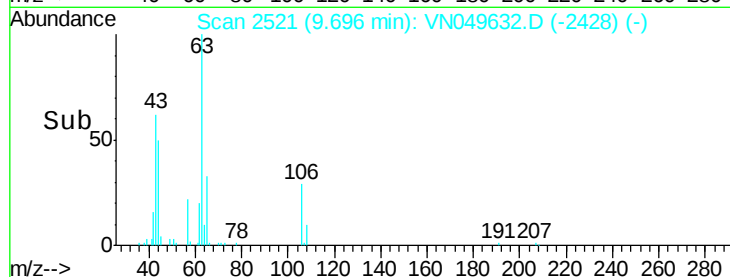
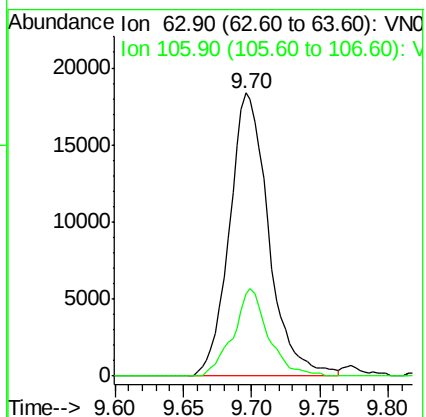
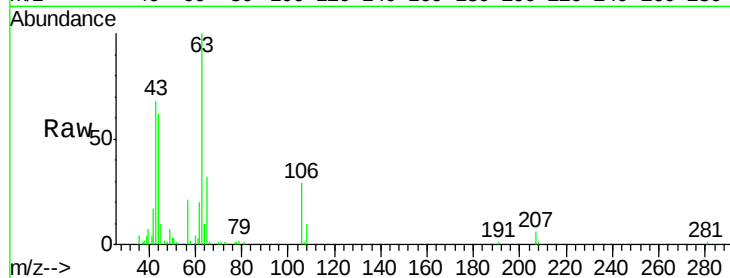
63 100

106 27.6 21.8 32.8

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#59

2-Hexanone

Concen: 4.95 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN049632.D

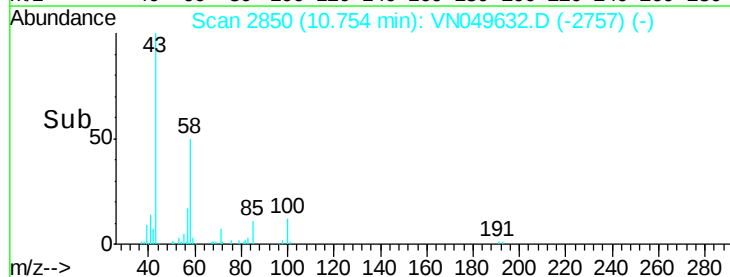
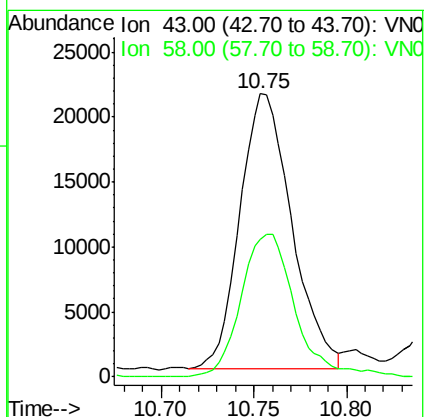
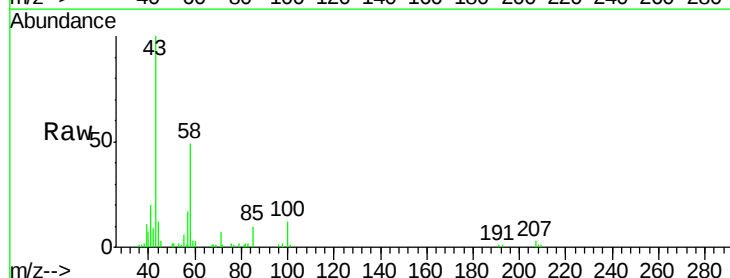
Acq: 29 Jun 2018 14:26

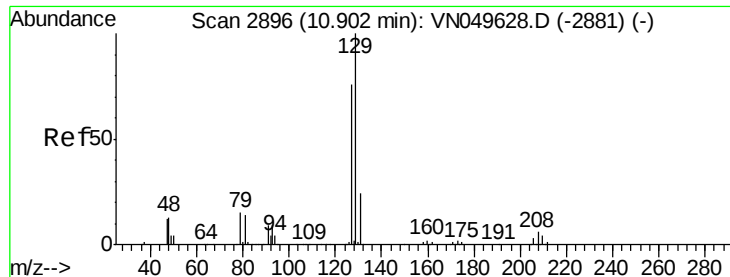
Tgt Ion: 43 Resp: 41023

Ion Ratio Lower Upper

43 100

58 54.4 27.8 83.4





#60

Dibromochloromethane

Concen: 0.92 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 14967

Ion Ratio Lower Upper

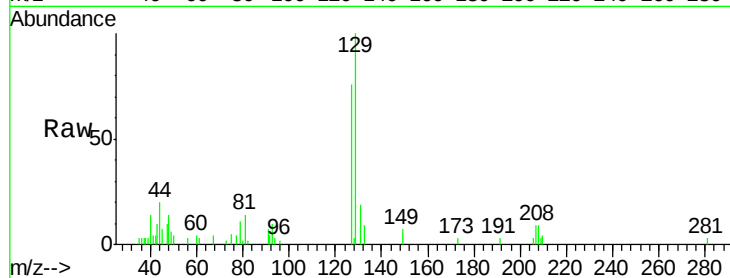
129 100

127 83.7 38.3 114.9

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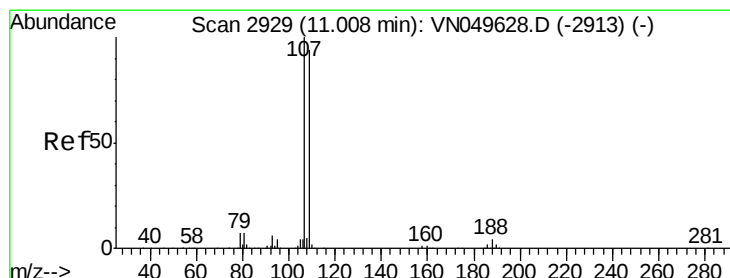
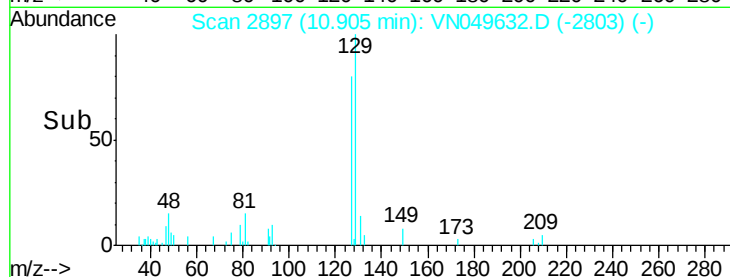
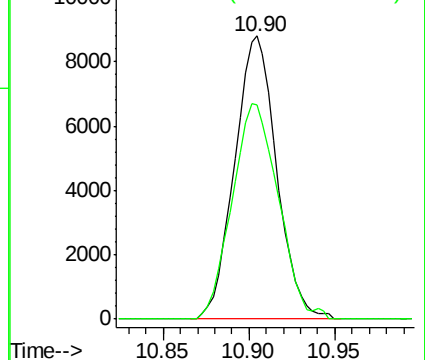
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049632.D

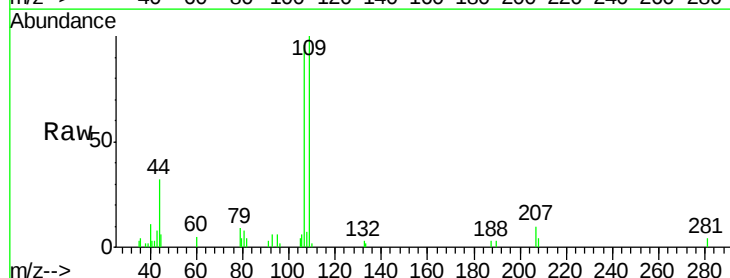
Acq: 29 Jun 2018 14:26

Tgt Ion:107 Resp: 14359

Ion Ratio Lower Upper

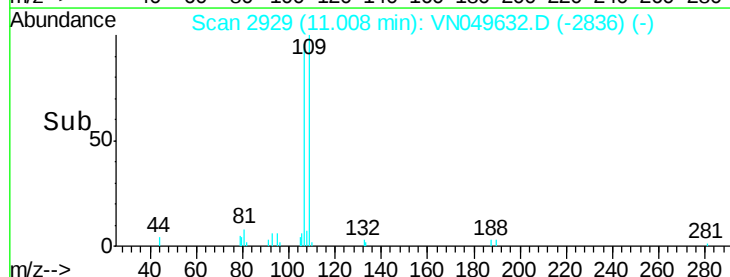
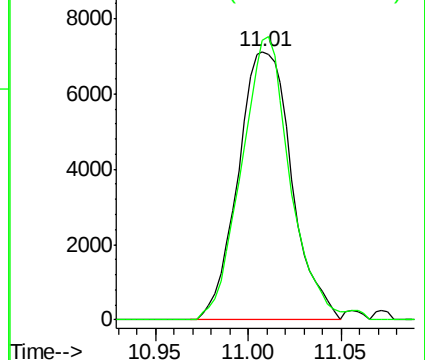
107 100

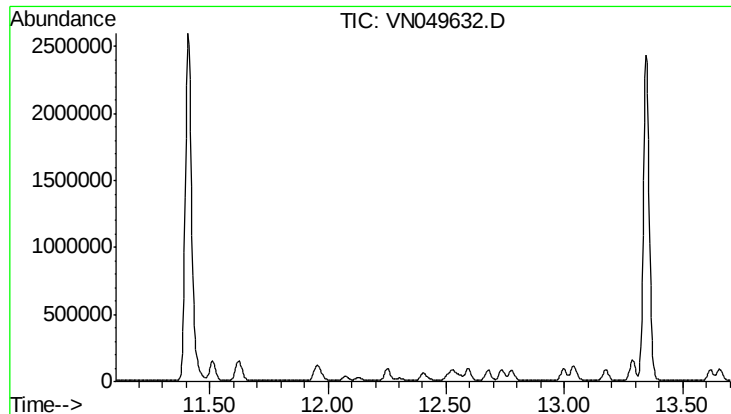
109 95.7 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





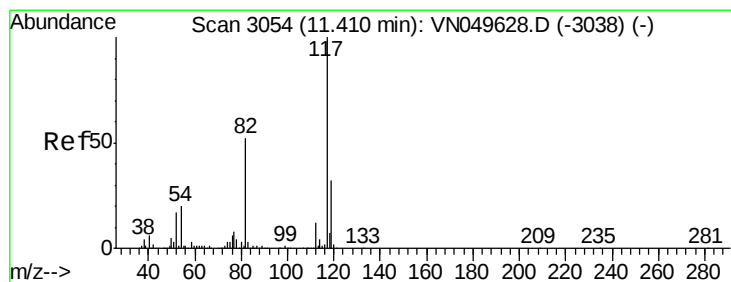
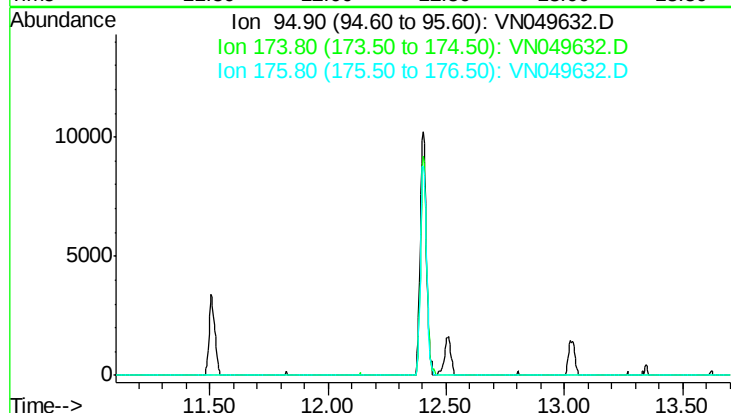
#62
 4-Bromofluorobenzene
 Concen: 0.00 ug/l
 Expected RT: 12.40 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	89.8
176	87.0

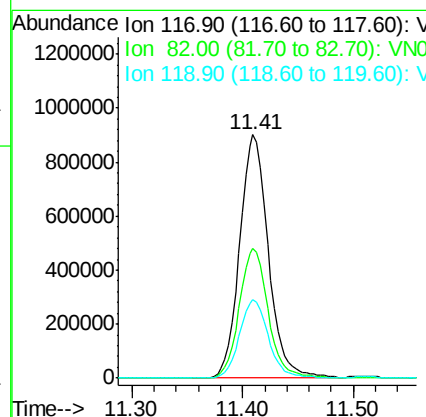
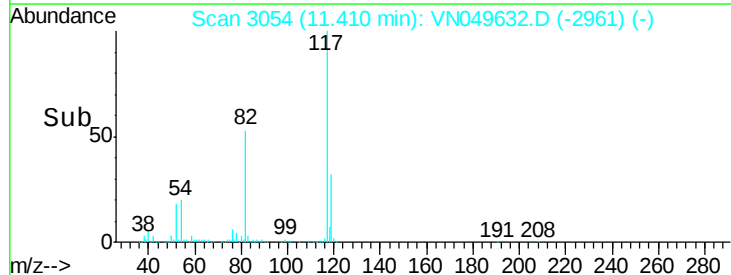
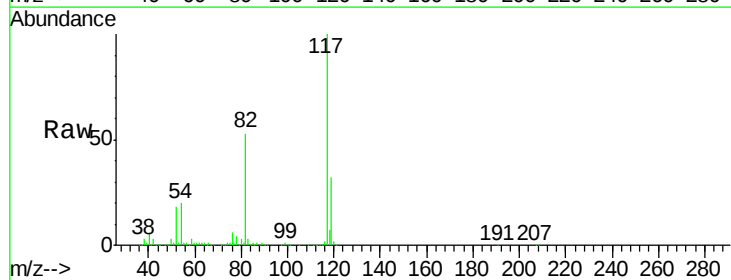
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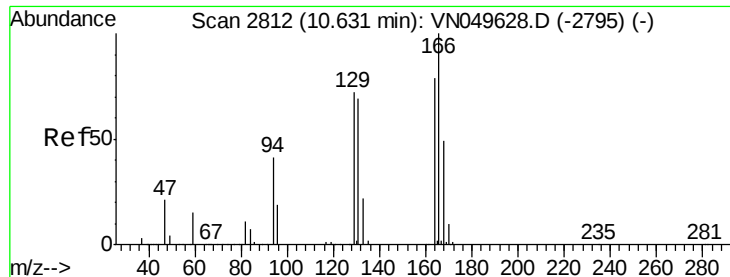
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#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.41 min Scan# 3054
 Delta R.T. -0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion	117	Resp	1627337
Ion	Ratio	Lower	Upper
117	100		
82	53.3	41.9	62.9
119	32.1	25.4	38.2





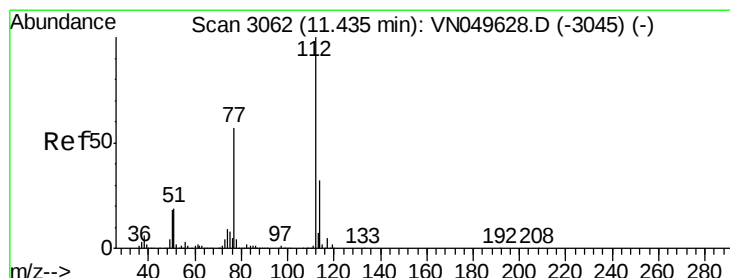
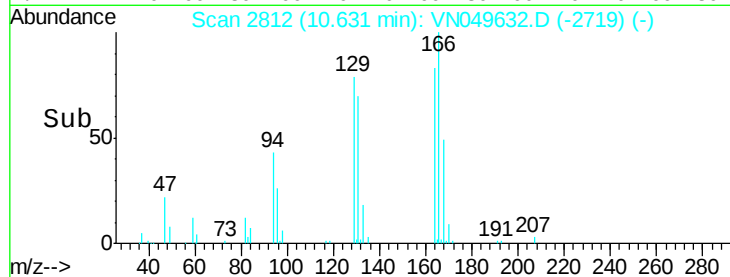
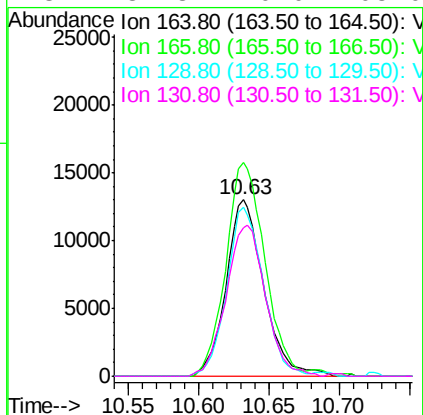
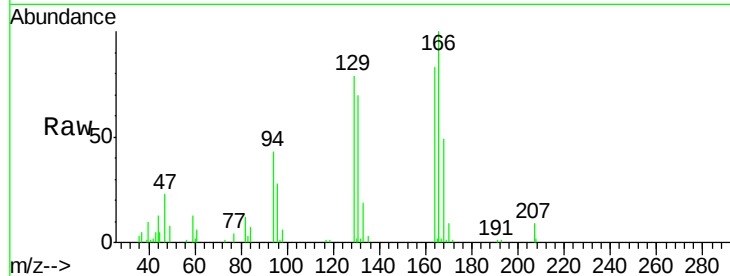
#64
Tetrachloroethene
Concen: 1.10 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.2	101.8	152.6
129	95.9	72.8	109.2
131	84.3	70.0	105.0

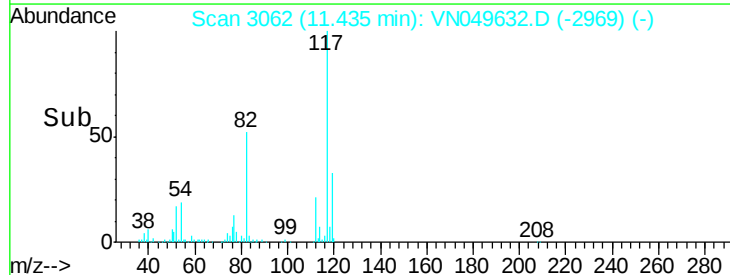
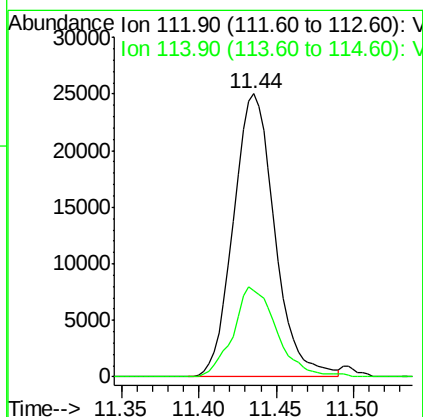
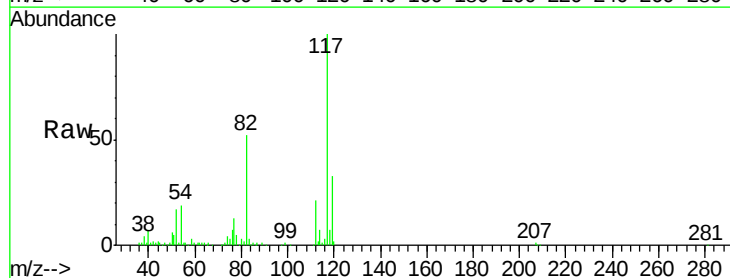
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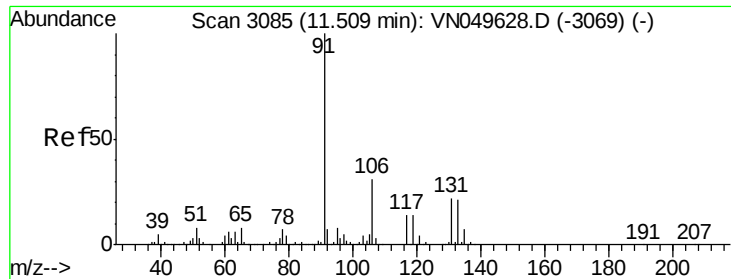
apatel
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#65
Chlorobenzene
Concen: 1.10 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.4	38.0





#66

1,1,1,2-Tetrachloroethane

Concen: 1.00 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:131 Resp: 15228

Ion Ratio Lower Upper

131 100

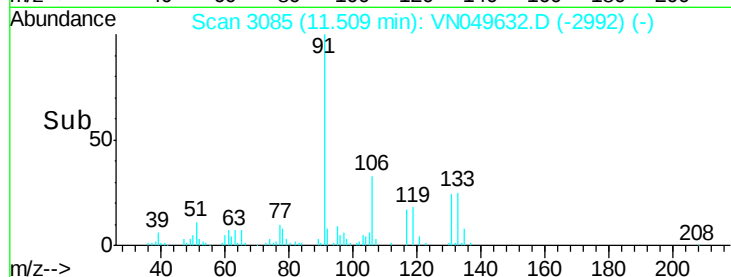
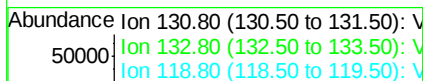
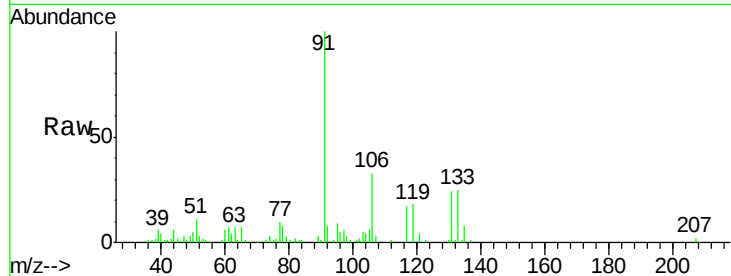
133 103.5 47.5 142.6

119 0.0 33.1 99.3#

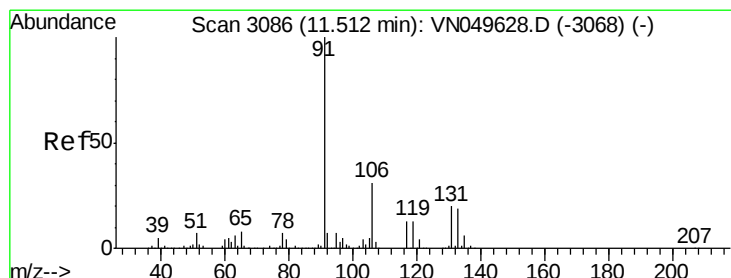
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Time-->



#67

Ethyl Benzene

Concen: 0.98 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049632.D

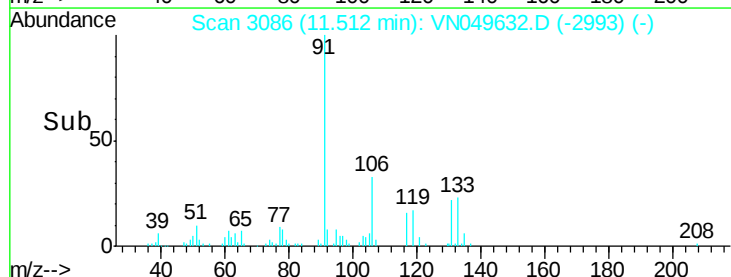
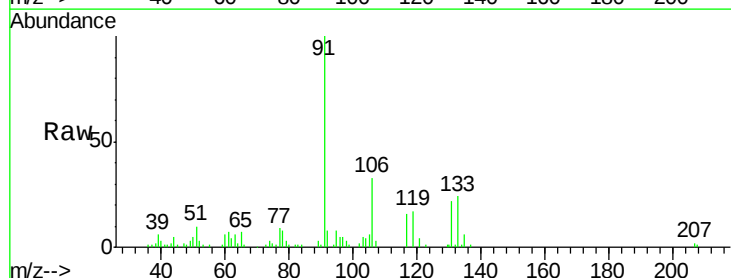
Acq: 29 Jun 2018 14:26

Tgt Ion: 91 Resp: 68549

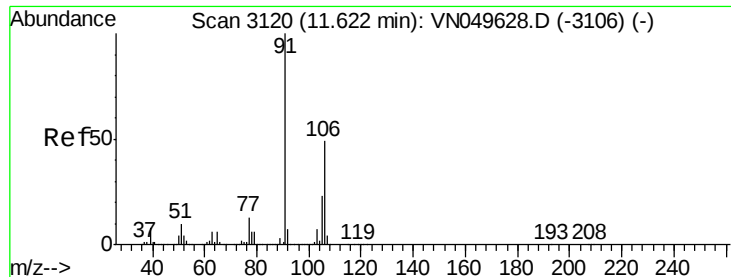
Ion Ratio Lower Upper

91 100

106 33.3 24.8 37.2



Time-->



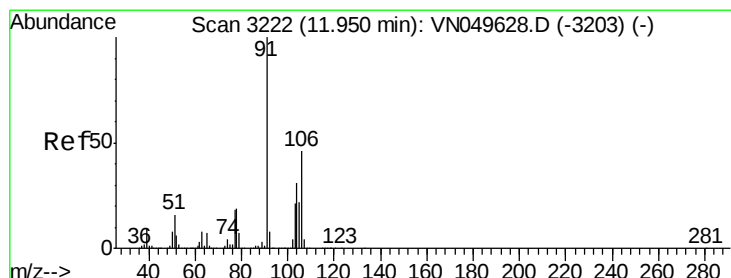
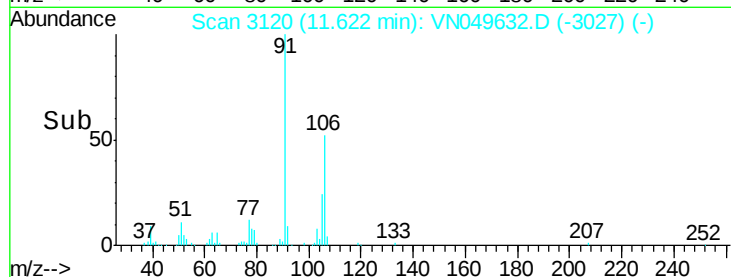
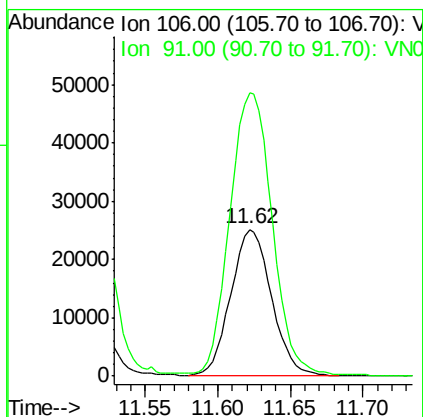
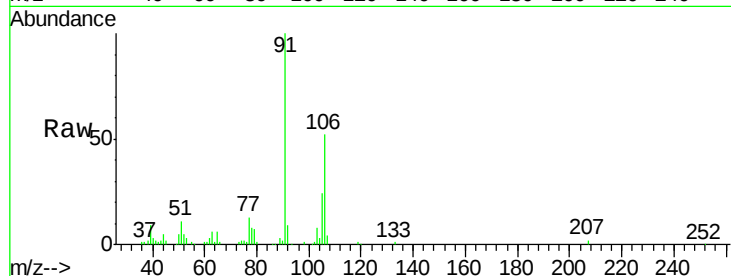
#68
m/p-Xvlenes
Concen: 1.84 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 49357
Ion Ratio Lower Upper
106 100
91 199.0 163.4 245.2

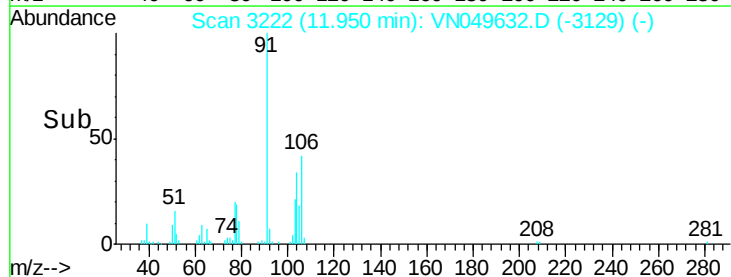
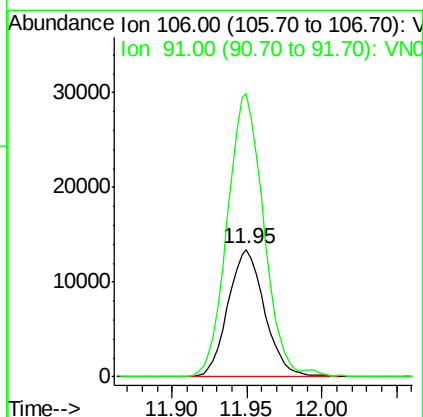
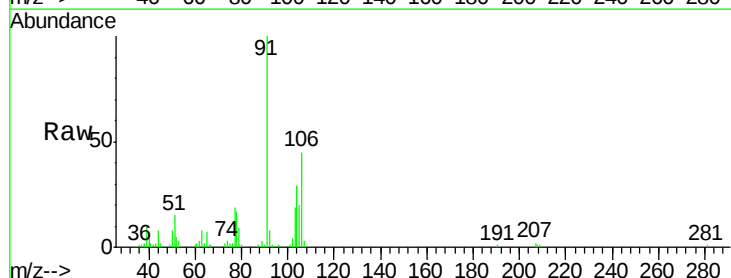
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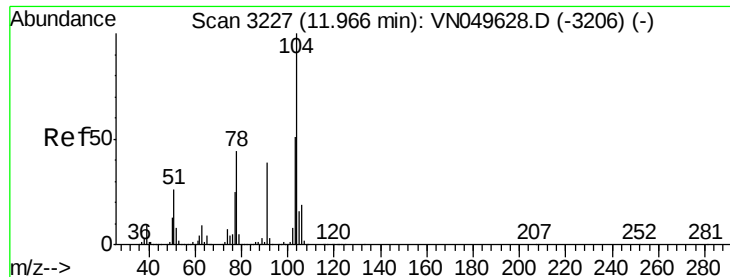
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#69
o-Xylene
Concen: 0.89 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion:106 Resp: 22990
Ion Ratio Lower Upper
106 100
91 221.1 108.7 326.1





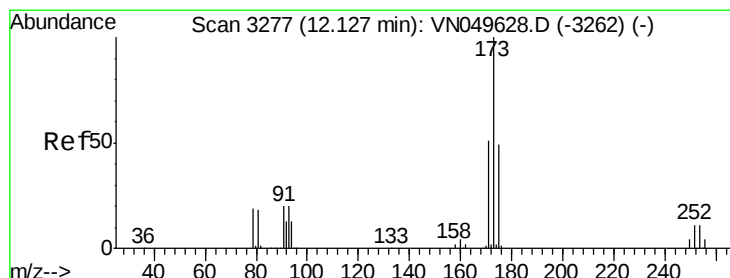
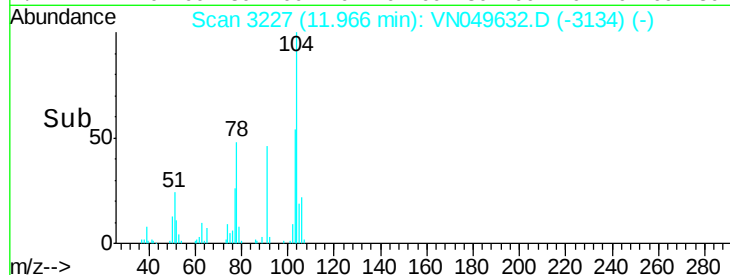
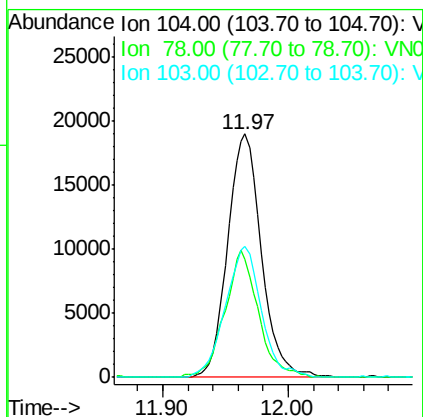
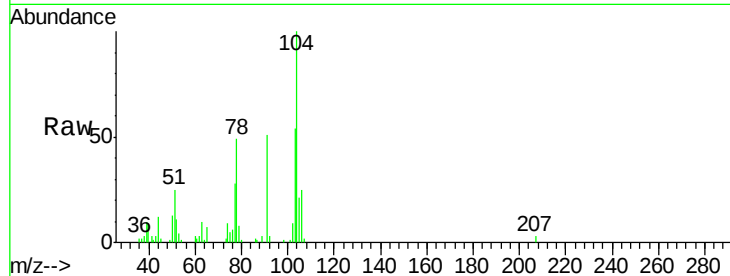
#70
Stvrene
Concen: 0.85 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.2	58.8
103	57.2	44.6	67.0

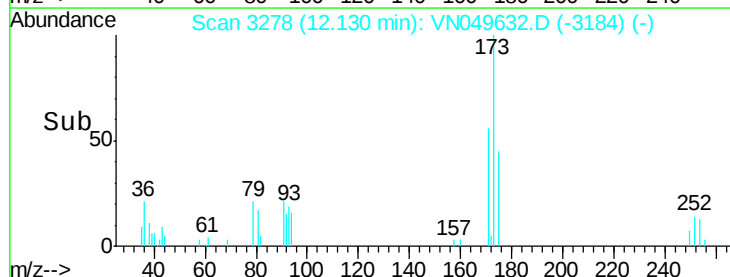
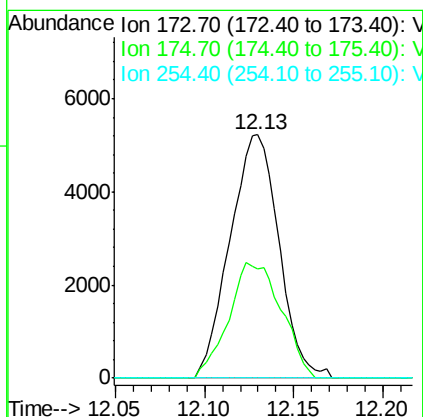
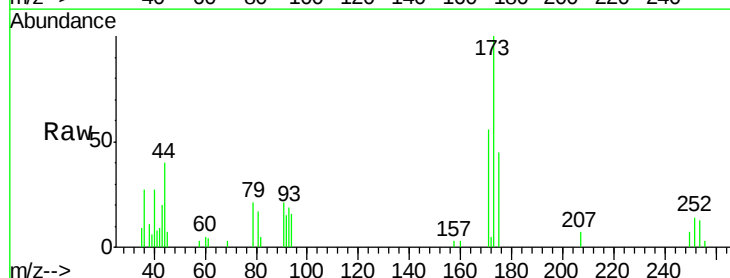
Manual Integrations
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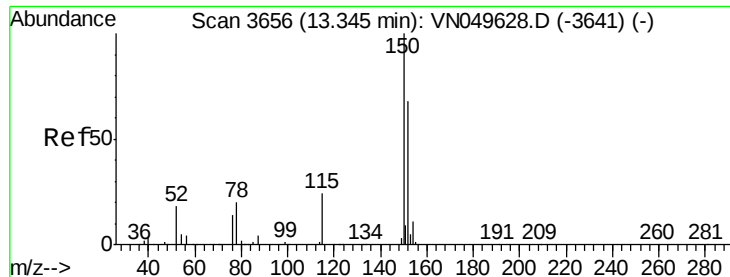
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#71
Bromoform
Concen: 0.99 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.9	24.6	73.8
254	0.0	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

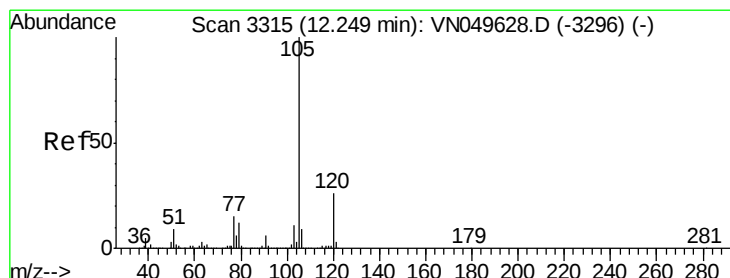
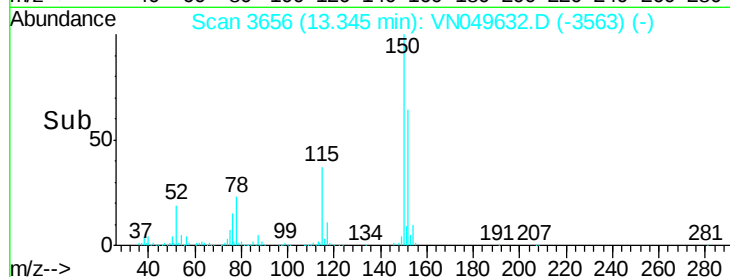
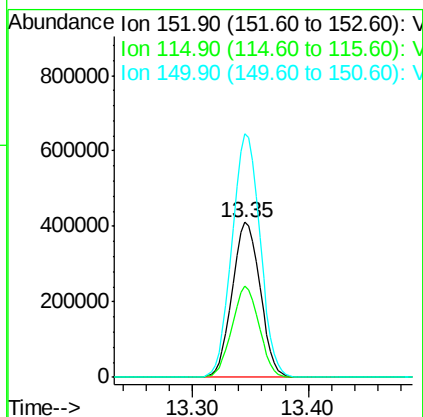
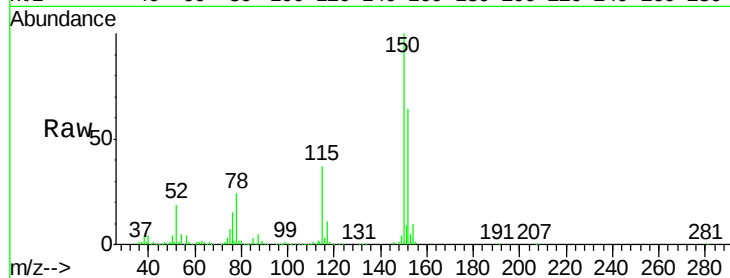
ClientSampled :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.1	84.2
150	157.6	0.0	347.6

Manual Integrations
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#73

Isopropylbenzene

Concen: 1.07 ug/l

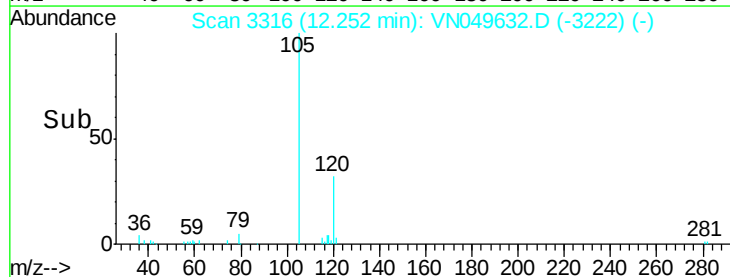
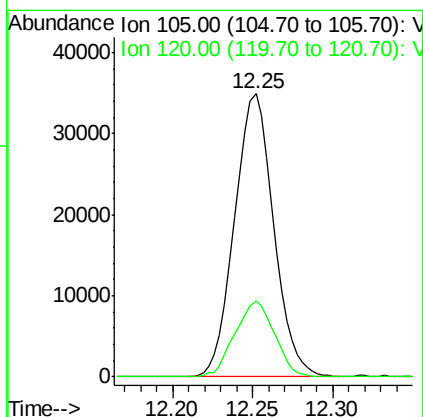
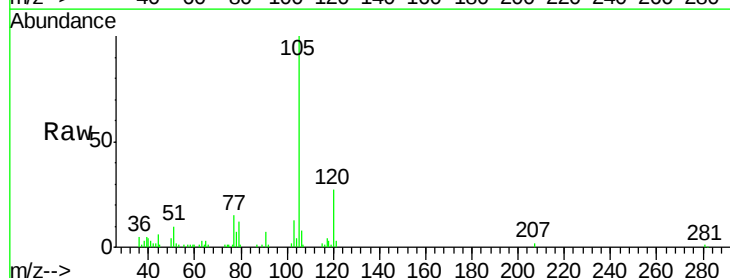
RT: 12.25 min Scan# 3316

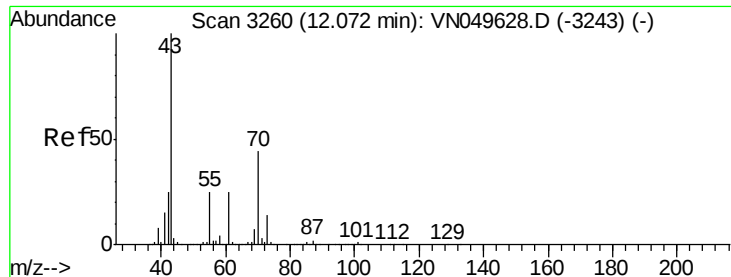
Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.8





#74

N-amvl acetate

Concen: 1.16 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

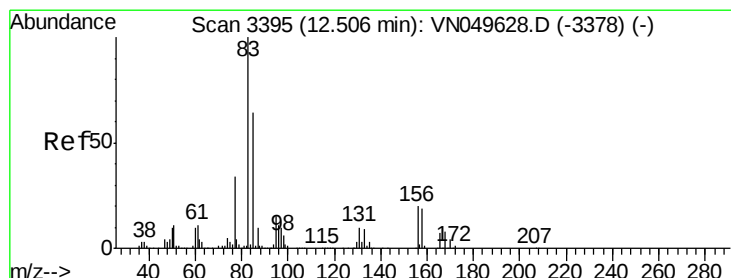
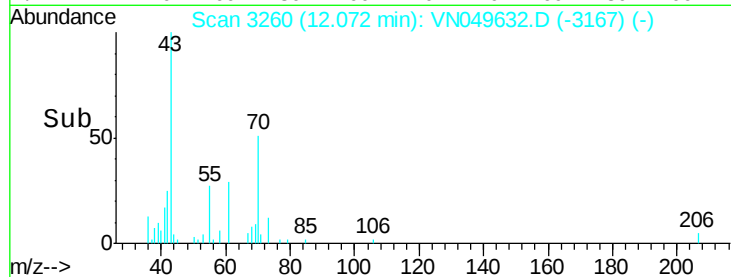
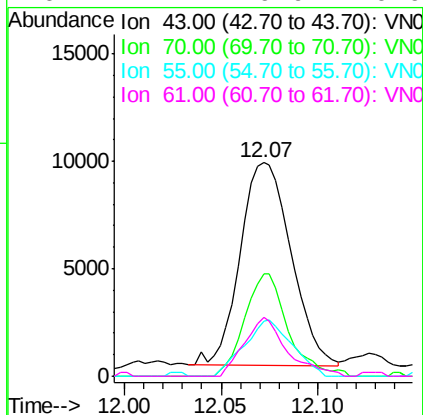
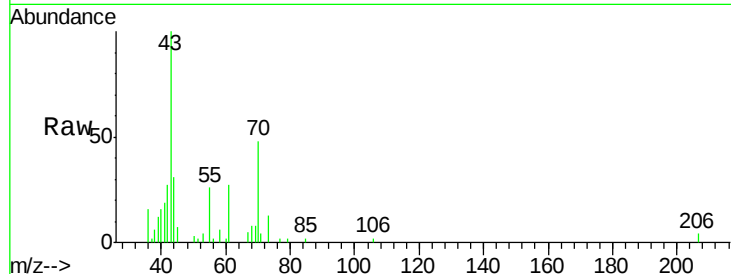
ClientSampled :

VSTDIC001

Tot Ion:	43	Resp:	17271
Ion	Ratio	Lower	Upper
43	100		
70	43.0	34.8	52.2
55	26.1	20.9	31.3
61	24.4	19.9	29.9

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#75

1,1,2,2-Tetrachloroethane

Concen: 1.35 ug/l

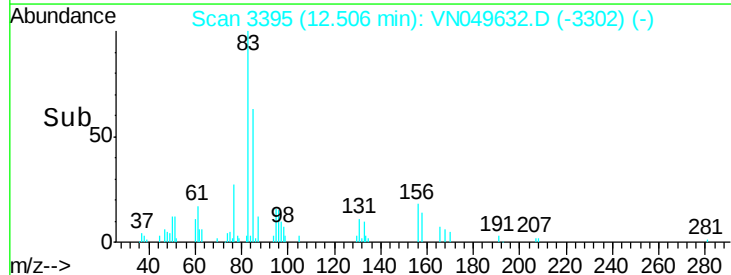
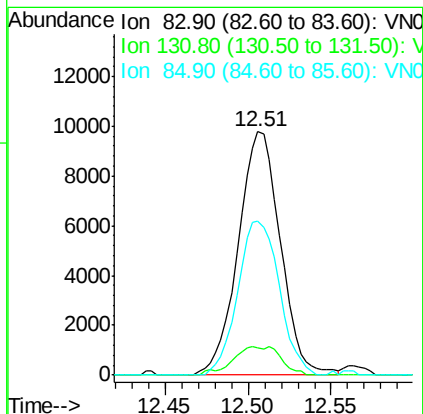
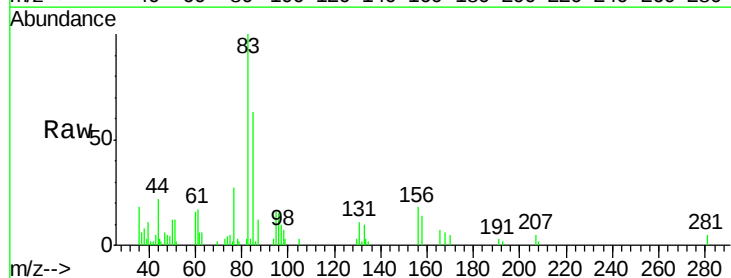
RT: 12.51 min Scan# 3395

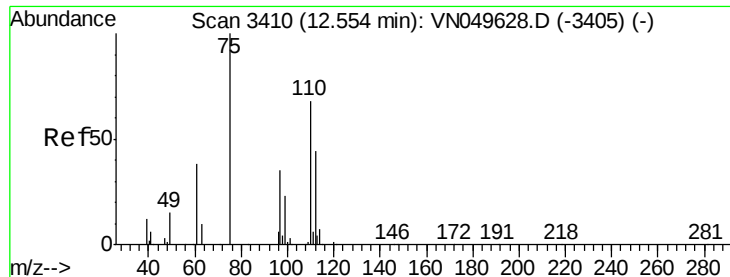
Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	83	Resp:	17343
Ion	Ratio	Lower	Upper
83	100		
131	13.1	5.2	15.6
85	62.0	32.5	97.4





#76

1,2,3-Trichloropropane

Concen: 1.14 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 13569

Ion Ratio Lower Upper

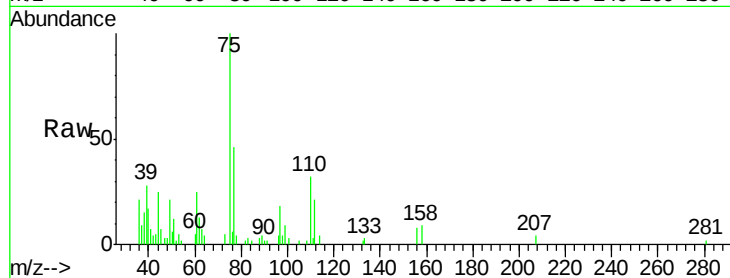
75 100

77 0.0 0.0 0.0

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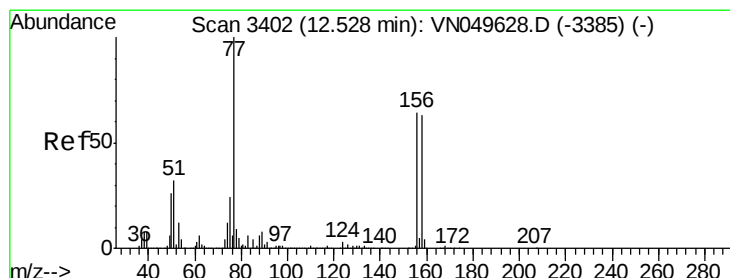
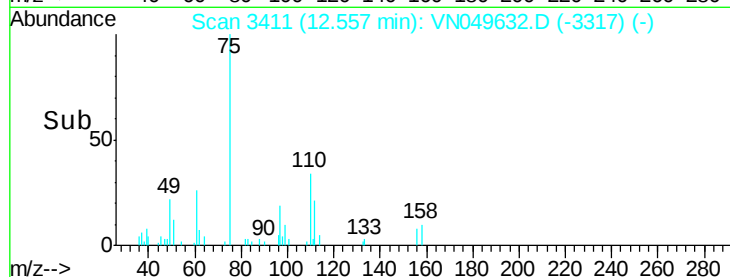
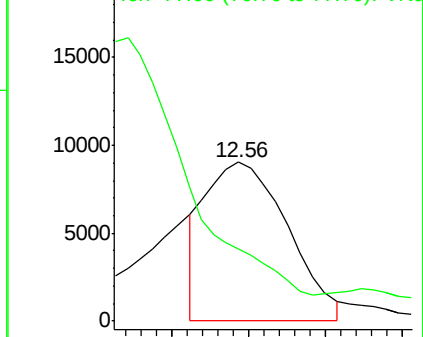
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Abundance Ion 74.90 (74.60 to 75.60): VN049632.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049632.D (-3317) (-)



#77

Bromobenzene

Concen: 1.28 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

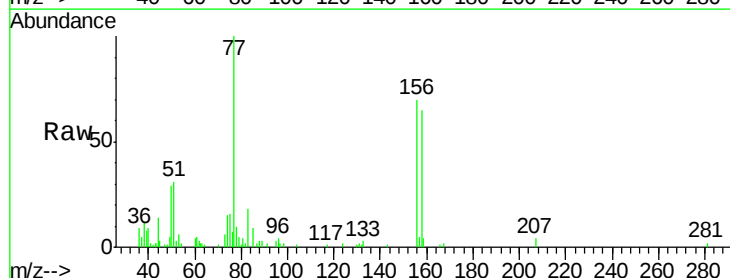
Tgt Ion: 156 Resp: 18908

Ion Ratio Lower Upper

156 100

77 178.7 90.2 270.6

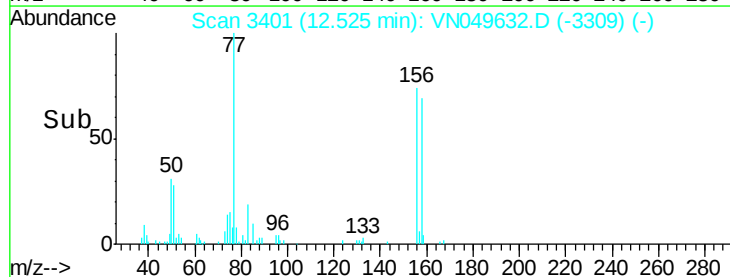
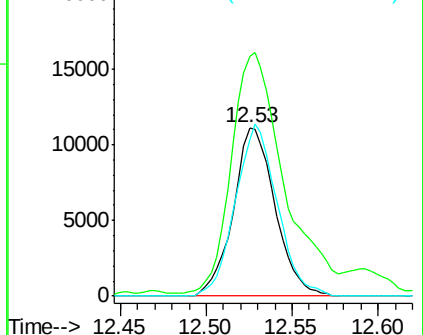
158 102.2 49.1 147.3

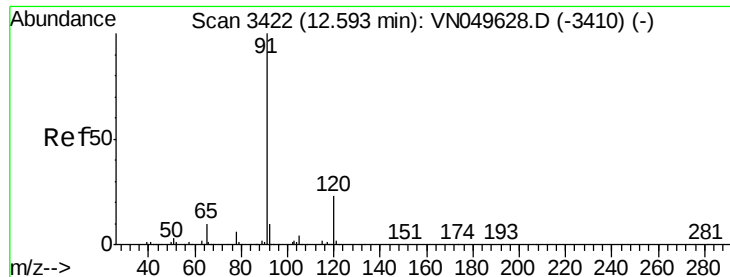


Abundance Ion 155.80 (155.50 to 156.50): VN049632.D (-3309) (-)

Ion 77.00 (76.70 to 77.70): VN049632.D (-3309) (-)

Ion 157.80 (157.50 to 158.50): VN049632.D (-3309) (-)





#78

n-propylbenzene

Concen: 1.05 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 65599

Ion Ratio Lower Upper

91 100

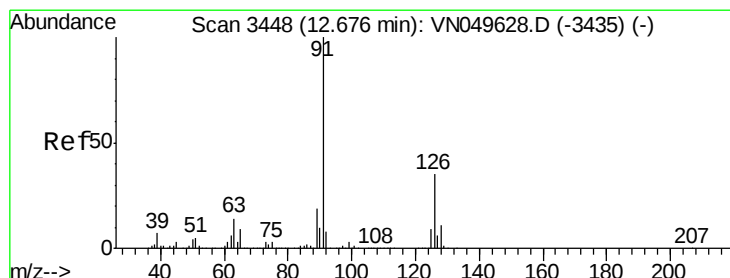
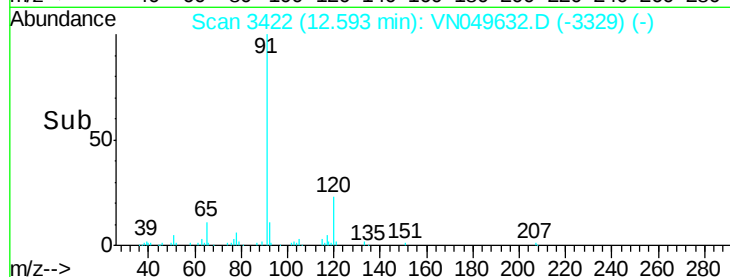
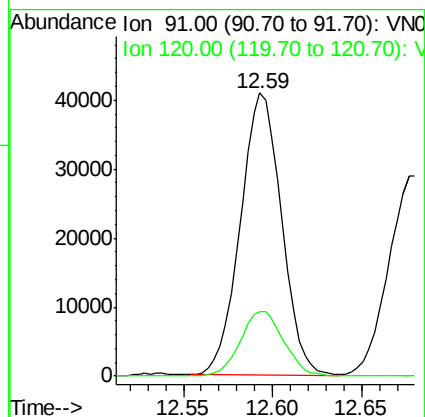
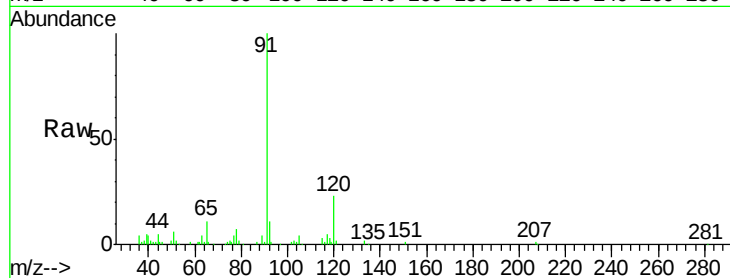
120 24.2 11.5 34.4

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#79

2-Chlorotoluene

Concen: 1.22 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049632.D

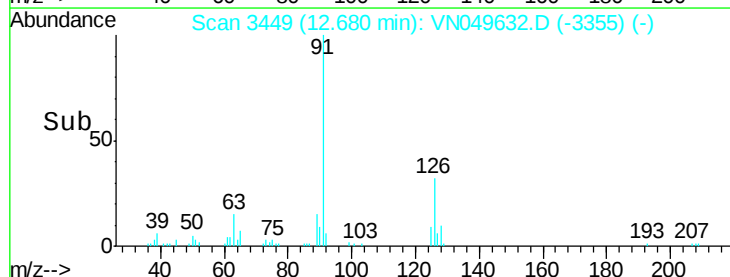
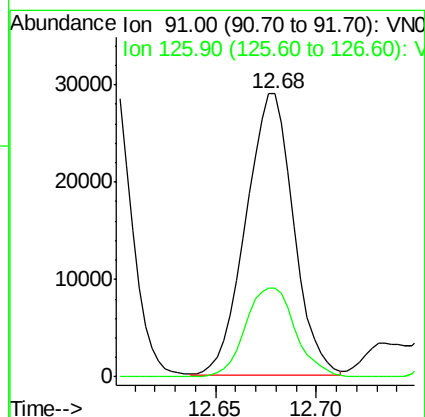
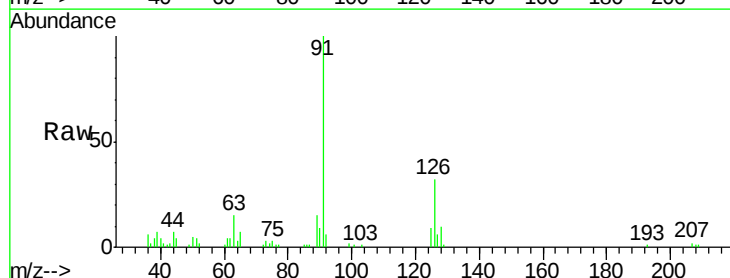
Acq: 29 Jun 2018 14:26

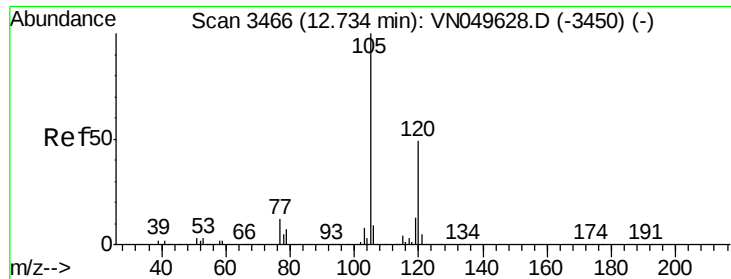
Tgt Ion: 91 Resp: 47991

Ion Ratio Lower Upper

91 100

126 33.1 17.5 52.5





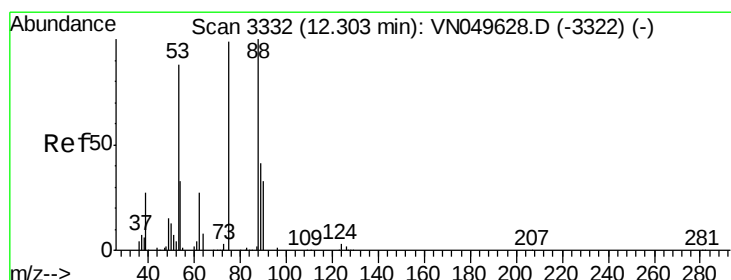
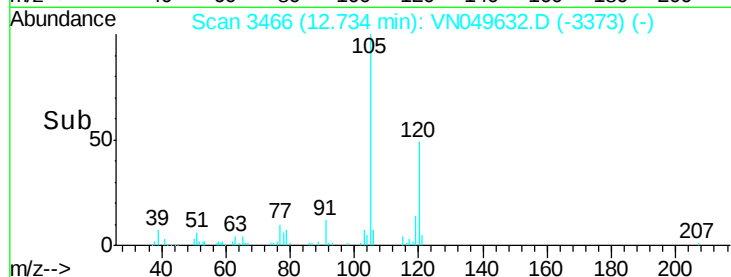
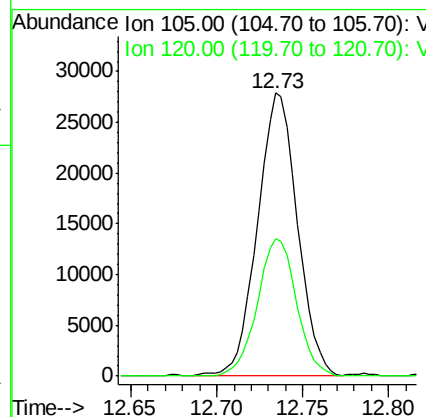
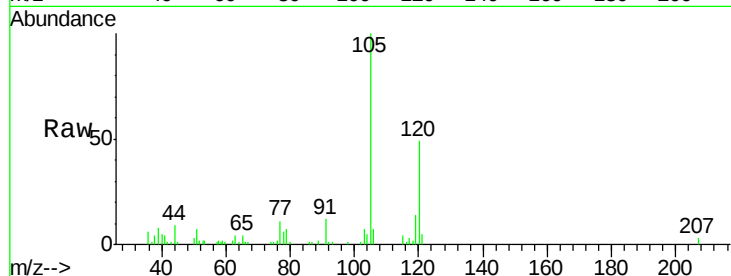
#80
 1,3,5-Trimethylbenzene
 Concen: 0.99 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 44919
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.3 72.8

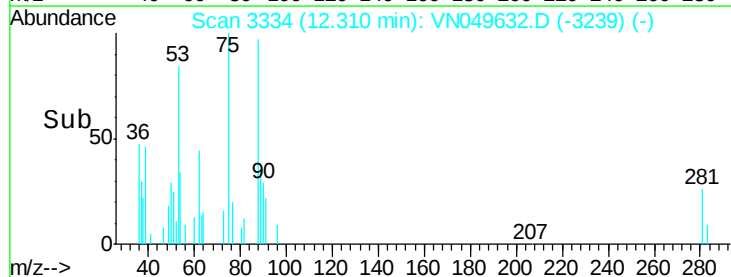
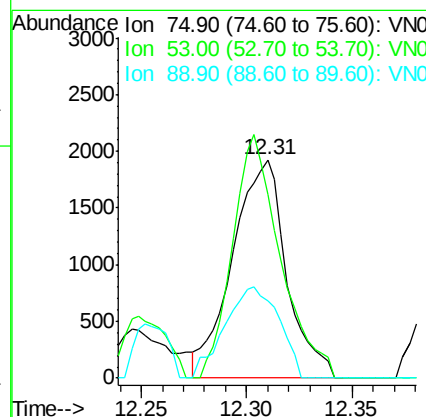
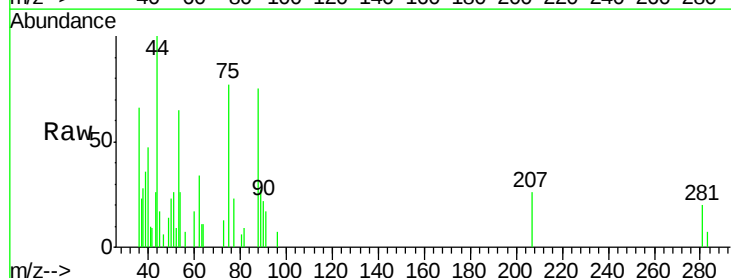
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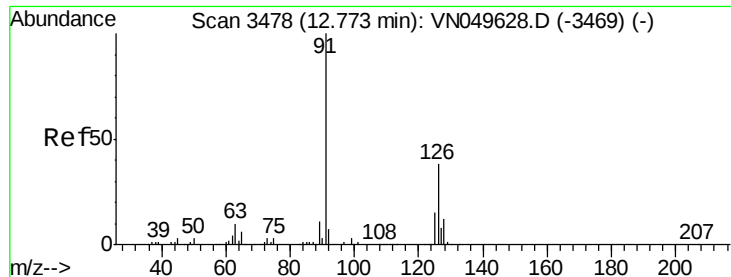
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.07 ug/l
 RT: 12.31 min Scan# 3334
 Delta R.T. 0.01 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion: 75 Resp: 3435
 Ion Ratio Lower Upper
 75 100
 53 98.6 73.9 110.9
 89 41.6 35.9 53.9





#82

4-Chlorotoluene

Concen: 1.16 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 45945

Ion Ratio Lower Upper

91 100

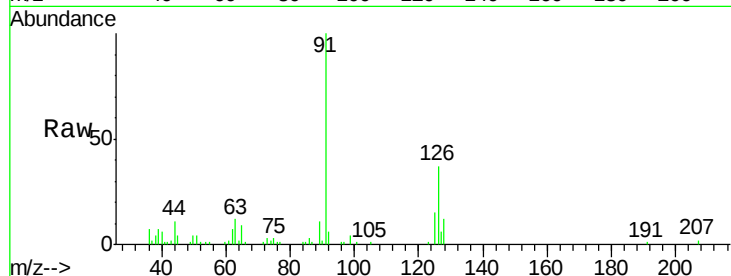
126 35.5 17.2 51.6

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Abundance Ion 91.00 (90.70 to 91.70): VN049632.D (-3478) (-)

Ion 125.90 (125.60 to 126.60): VN049632.D (-3478) (-)

12.78

30000

25000

20000

15000

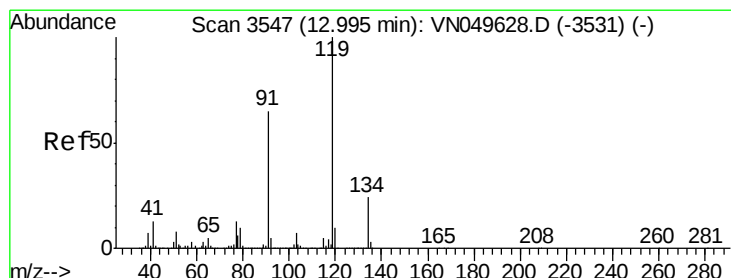
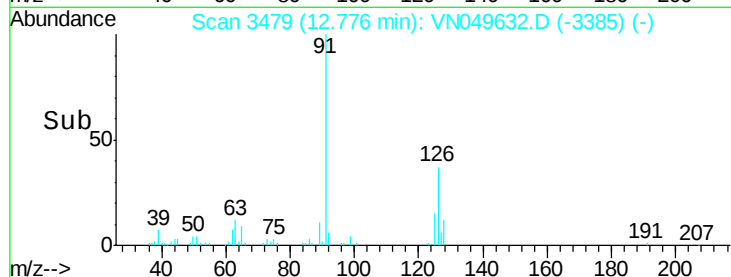
10000

5000

0

12.75 12.80 12.85

Time-->



#83

tert-Butylbenzene

Concen: 1.06 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

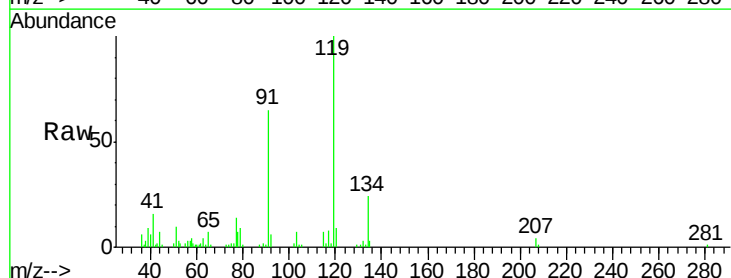
Tgt Ion: 119 Resp: 41125

Ion Ratio Lower Upper

119 100

91 65.6 32.0 96.2

134 24.0 12.8 38.4



Abundance Ion 119.00 (118.70 to 119.70): VN049632.D (-3547) (-)

Ion 91.00 (90.70 to 91.70): VN049632.D (-3547) (-)

Ion 134.00 (133.70 to 134.70): VN049632.D (-3547) (-)

12.99

30000

25000

20000

15000

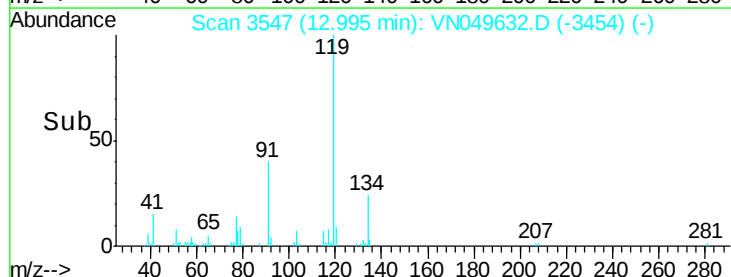
10000

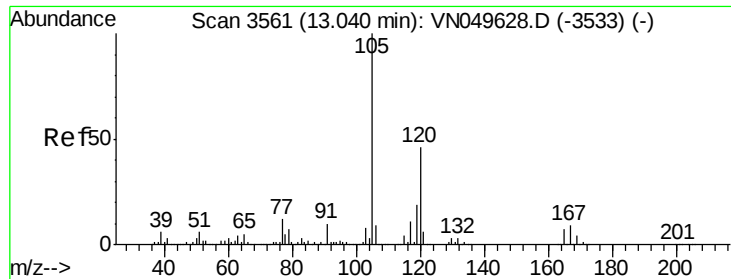
5000

0

12.95 13.00

Time-->





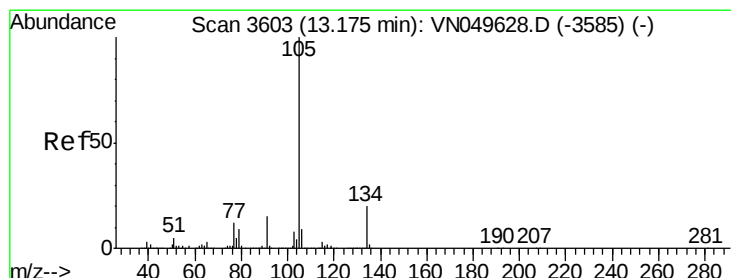
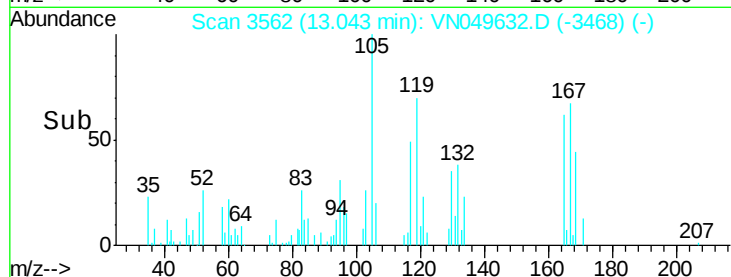
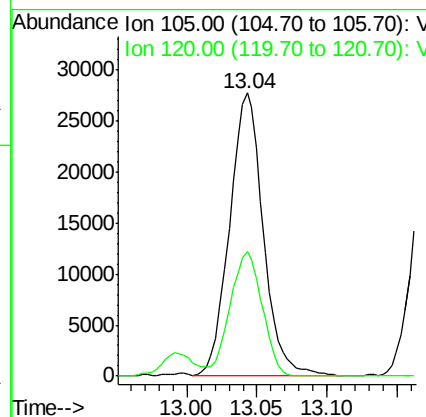
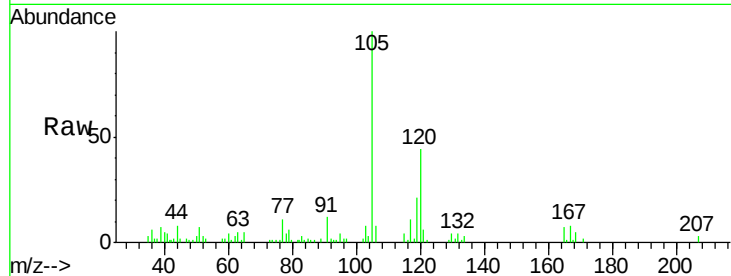
#84
 1,2,4-Trimethylbenzene
 Concen: 1.00 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:105 Resp: 46316
 Ion Ratio Lower Upper
 105 100
 120 42.0 22.7 68.1

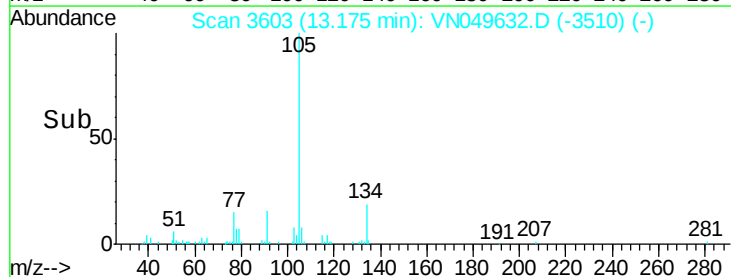
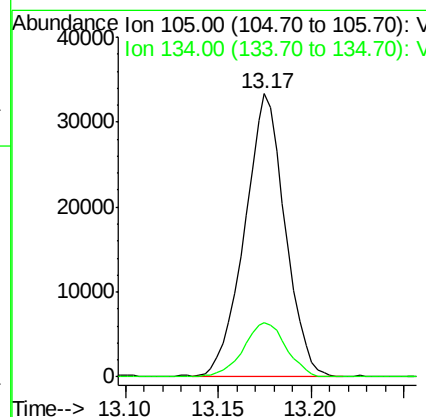
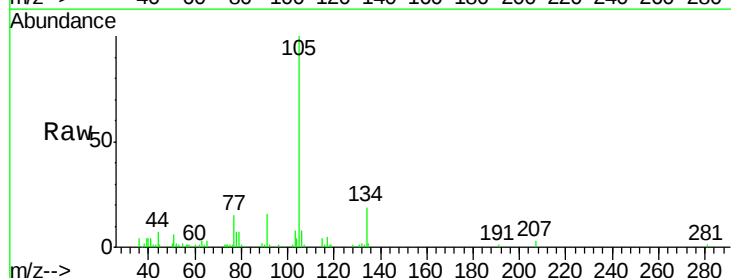
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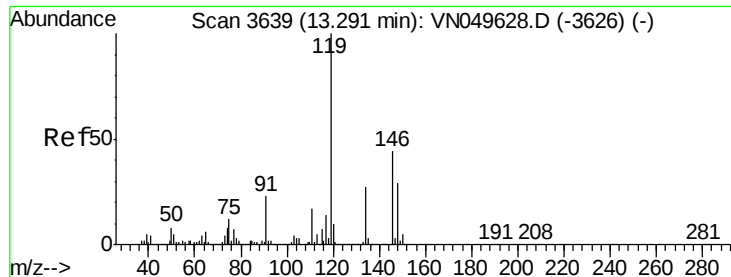
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#85
 sec-Butylbenzene
 Concen: 0.98 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion:105 Resp: 50646
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1





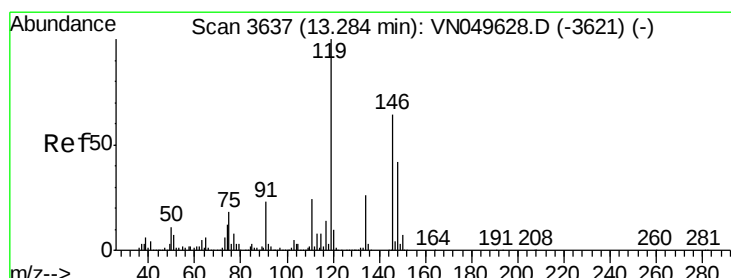
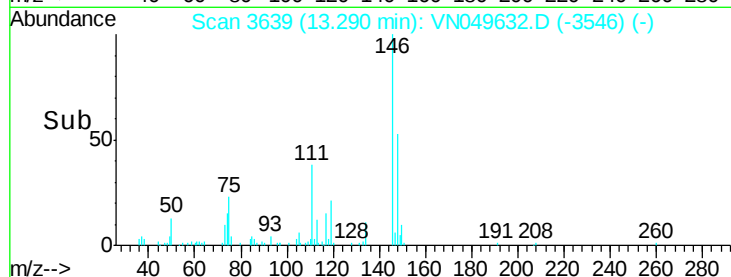
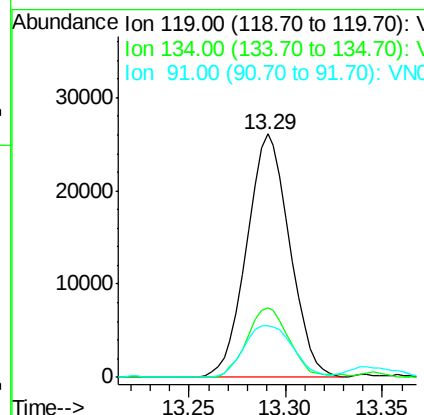
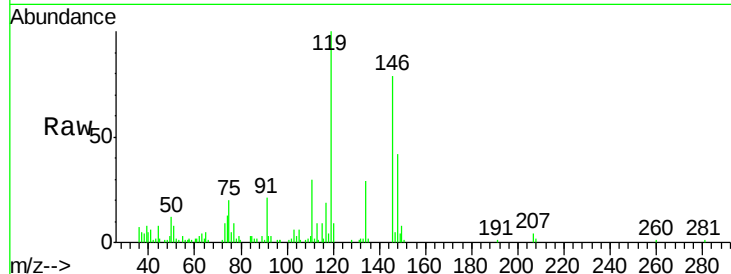
#86
p-Isopropyltoluene
Concen: 0.91 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.4	13.3	39.9
91	24.4	11.4	34.1

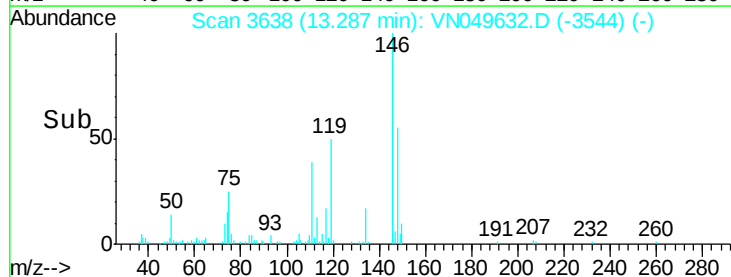
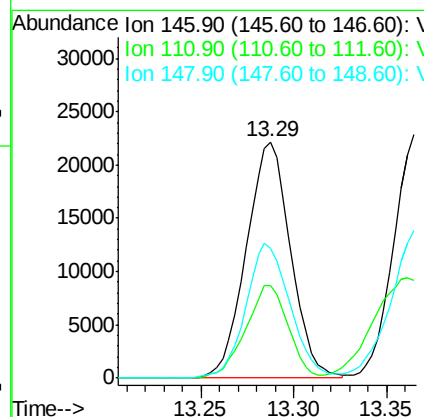
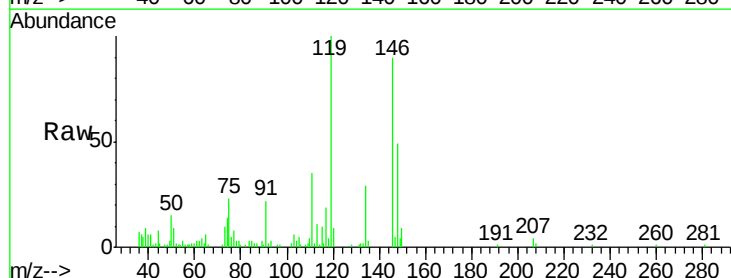
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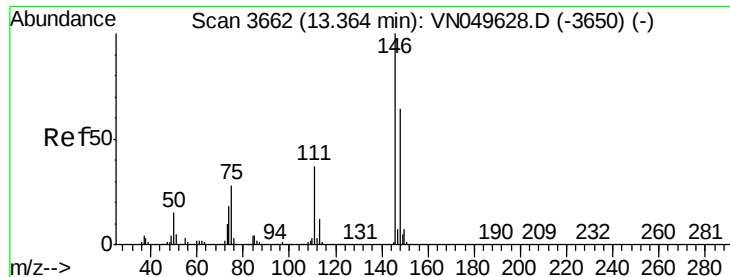
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#87
1,3-Dichlorobenzene
Concen: 1.35 ug/l
RT: 13.29 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	57.0	32.5	97.5





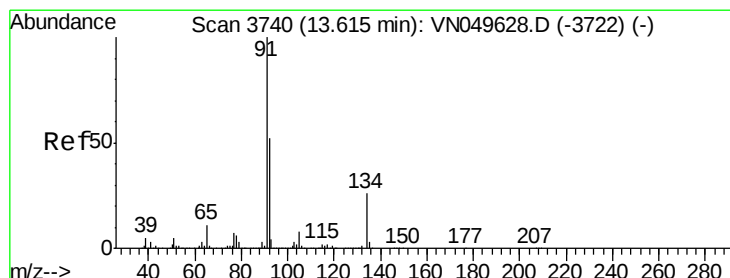
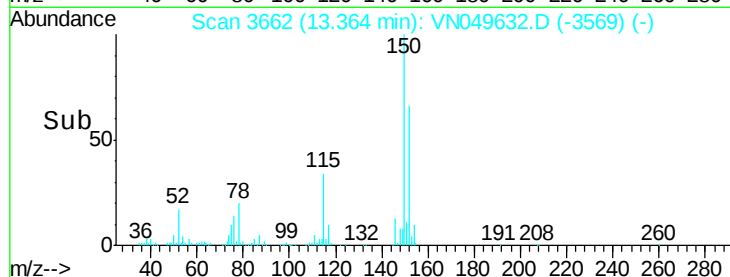
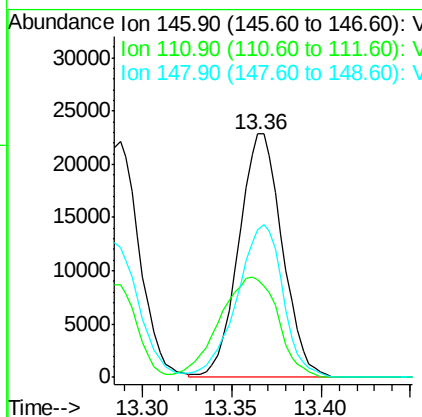
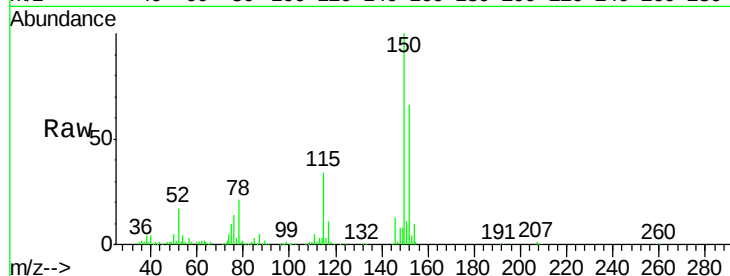
#88
 1,4-Dichlorobenzene
 Concen: 1.42 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	55.3	18.9	56.5
148	66.7	32.1	96.3

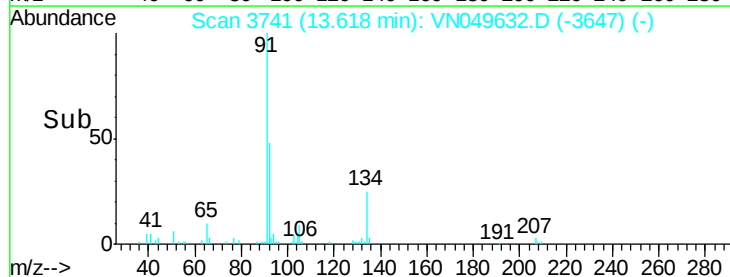
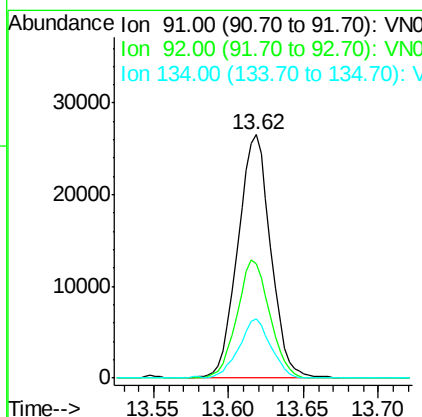
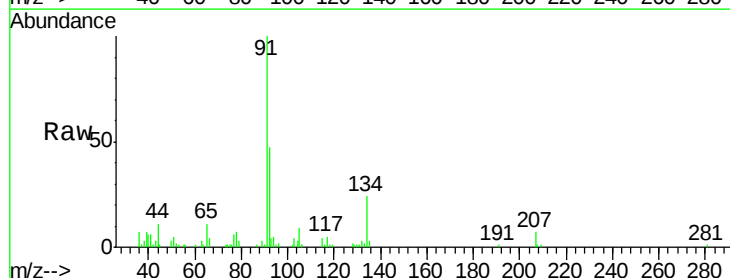
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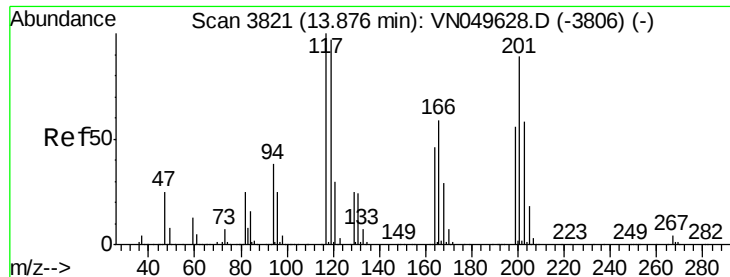
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#89
 n-Butylbenzene
 Concen: 1.06 ug/l
 RT: 13.62 min Scan# 3741
 Delta R.T. 0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	48.2	25.8	77.3
134	23.4	13.0	38.9





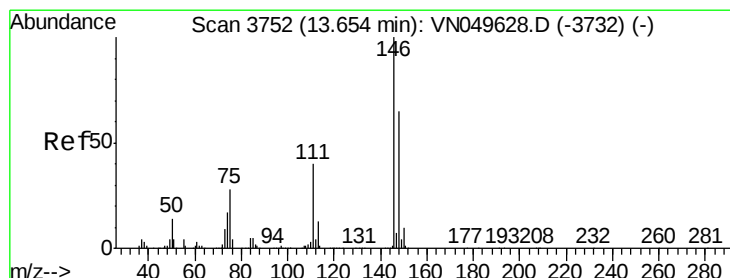
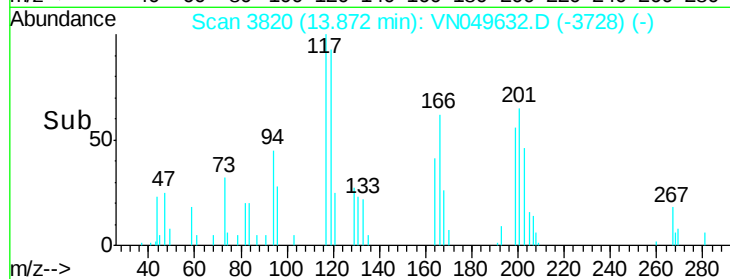
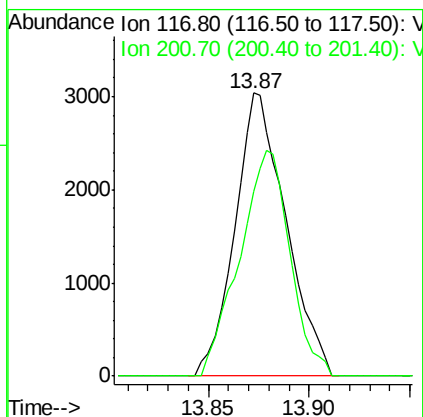
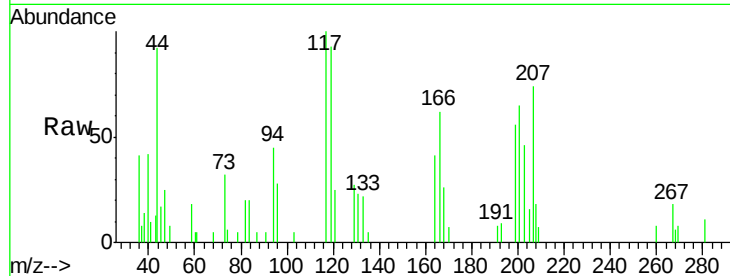
#90
Hexachloroethane
Concen: 1.15 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 5372
Ion Ratio Lower Upper
117 100
201 78.8 45.3 135.8

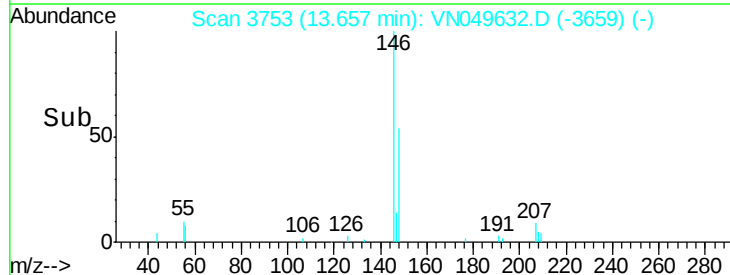
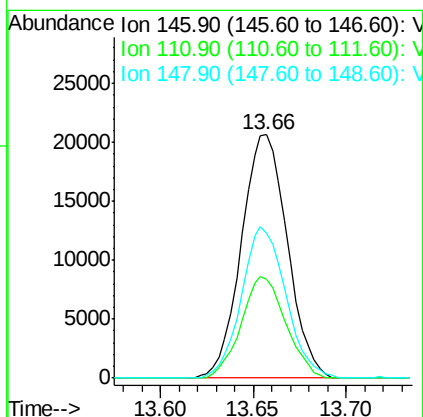
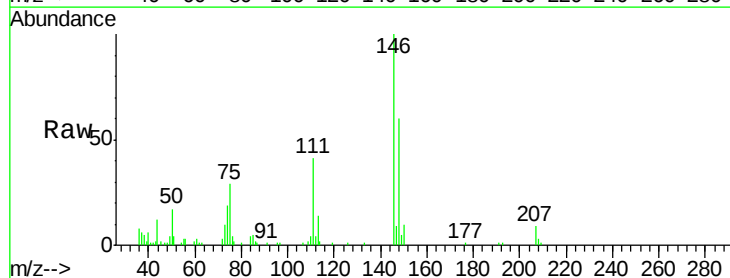
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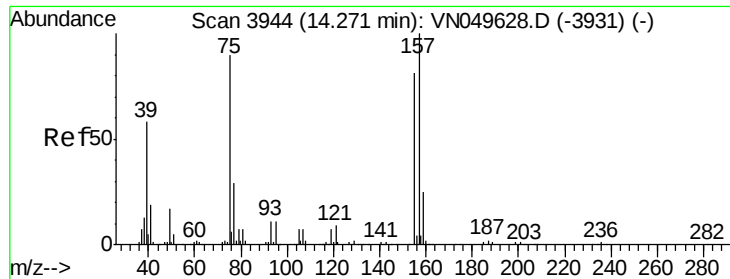
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#91
1,2-Dichlorobenzene
Concen: 1.33 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN049632.D
Acq: 29 Jun 2018 14:26

Tgt Ion:146 Resp: 35438
Ion Ratio Lower Upper
146 100
111 40.3 19.7 59.1
148 60.2 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.71 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

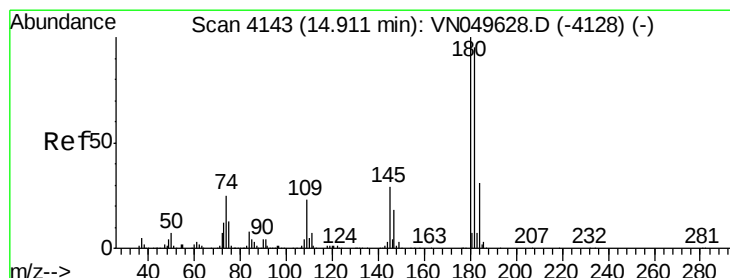
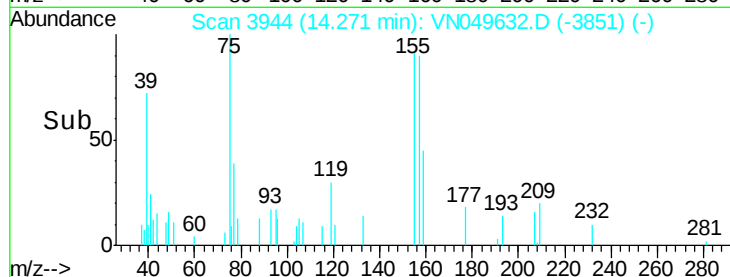
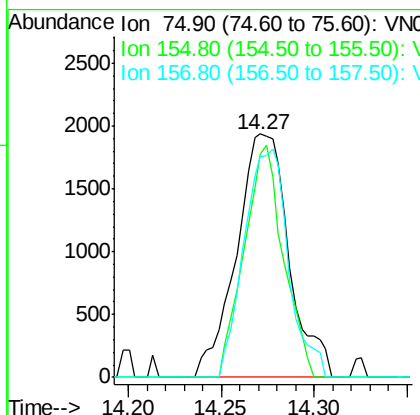
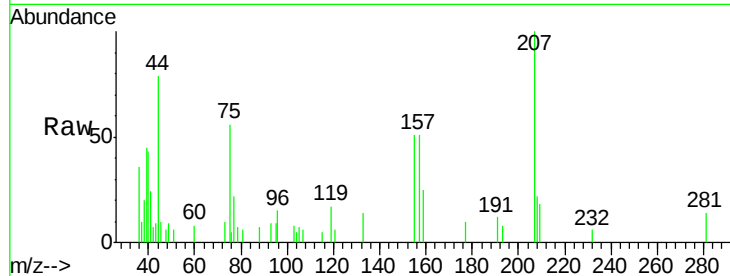
ClientSampled :

VSTDIC001

Tot Ion:	75	Resp:	3838
Ion	Ratio	Lower	Upper
75	100		
155	70.8	45.7	137.1
157	78.9	56.9	170.7

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#93

1,2,4-Trichlorobenzene

Concen: 1.43 ug/l

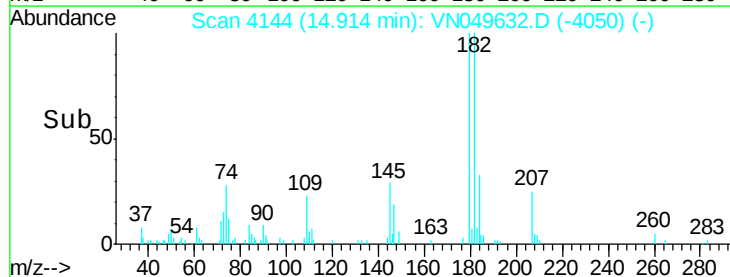
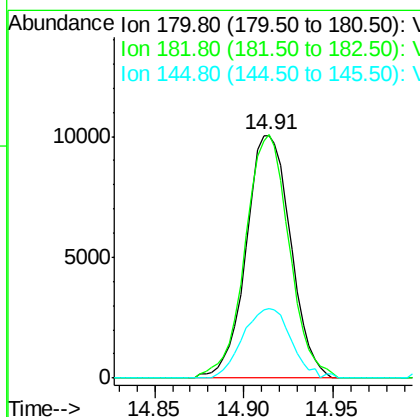
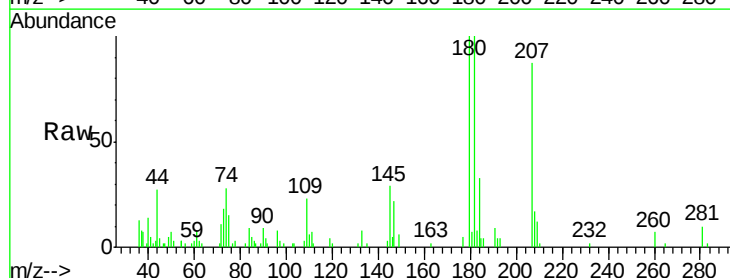
RT: 14.91 min Scan# 4144

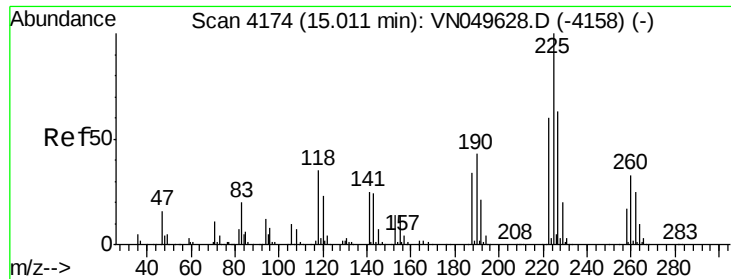
Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	180	Resp:	17502
Ion	Ratio	Lower	Upper
180	100		
182	99.2	47.3	141.9
145	31.0	14.4	43.0





#94

Hexachlorobutadiene

Concen: 1.46 ug/l

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Instrument :

MSVOA_N

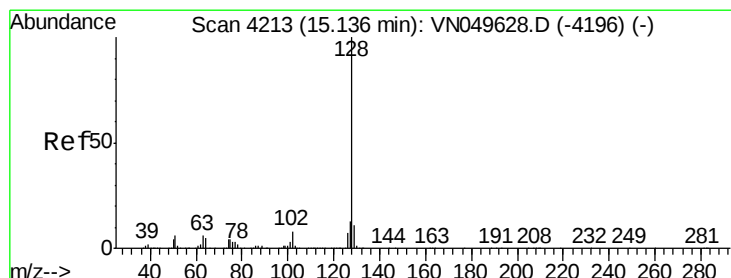
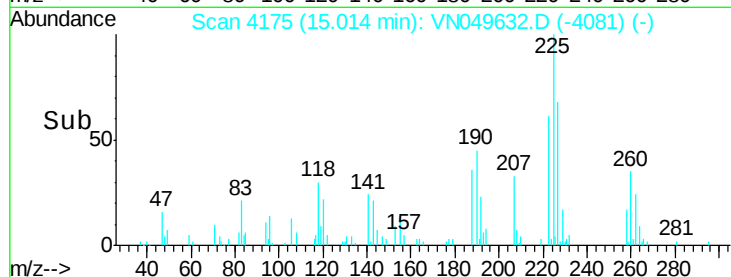
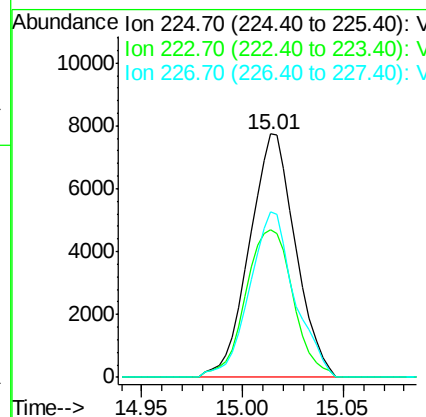
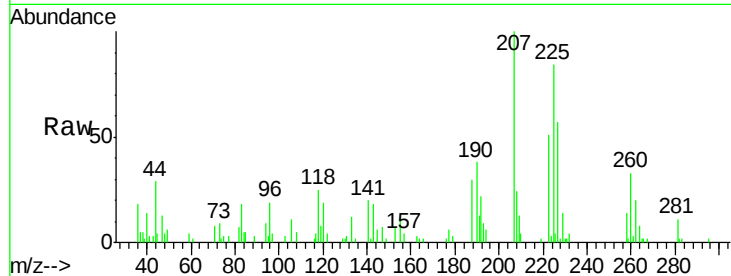
ClientSampled :

VSTDIC001

Tot Ion:	225	Resp:	12364
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.9	92.7
227	66.3	31.8	95.4

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#95

Naphthalene

Concen: 1.56 ug/l

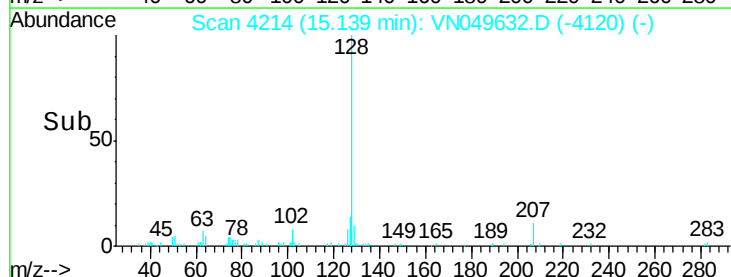
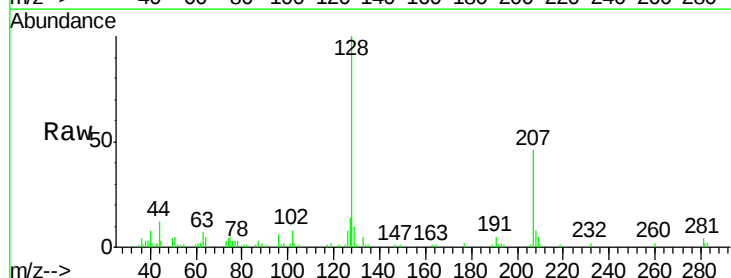
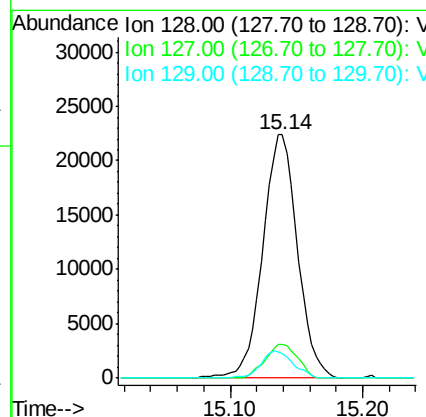
RT: 15.14 min Scan# 4214

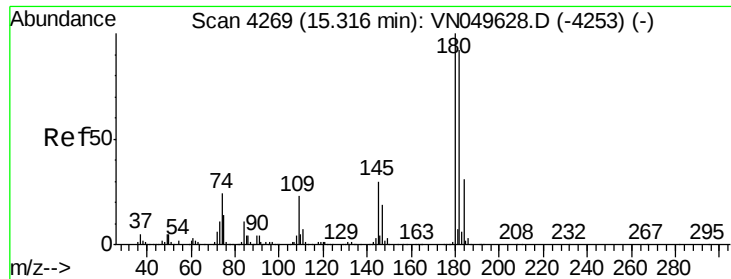
Delta R.T. 0.00 min

Lab File: VN049632.D

Acq: 29 Jun 2018 14:26

Tgt Ion:	128	Resp:	40891
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.3	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.64 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049632.D
 Acq: 29 Jun 2018 14:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.7	47.4	142.2
145	29.8	15.2	45.6

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