

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101218\
 Data File : VX005283.D
 Acq On : 12 Oct 2018 09:39
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/17/2018 9:04:26 AM

Quant Time: Oct 12 10:47:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 10:42:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	407395	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	354232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197747	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	68380	17.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.92%	
35) Dibromofluoromethane	5.50	113	52966	14.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	28.42%	
50) Toluene-d8	8.71	98	182489	14.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.20%	
62) 4-Bromofluorobenzene	11.14	95	65546	14.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	46586	16.37	ug/l	100
3) Chloromethane	1.32	50	64225	16.39	ug/l	95
4) Vinyl Chloride	1.40	62	64374	16.01	ug/l	98
5) Bromomethane	1.64	94	36214	18.87	ug/l	90
6) Chloroethane	1.71	64	40148	15.44	ug/l #	86
7) Trichlorofluoromethane	1.92	101	86010	16.14	ug/l	99
8) Diethyl Ether	2.19	74	36097	15.11	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50020	14.79	ug/l	97
10) Methyl Iodide	2.51	142	45476	12.23	ug/l	97
11) Tert butyl alcohol	3.08	59	87849	94.01	ug/l	100
12) 1,1-Dichloroethene	2.37	96	48704	15.35	ug/l	96
13) Acrolein	2.29	56	55616	150.77	ug/l	92
14) Allyl chloride	2.73	41	107702	16.51	ug/l	97
15) Acrylonitrile	3.15	53	204860	91.04	ug/l	98
16) Acetone	2.45	43	174303	91.19	ug/l	95
17) Carbon Disulfide	2.57	76	148886	16.23	ug/l	99
18) Methyl Acetate	2.78	43	106440	19.85	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	176498	15.85	ug/l	97
20) Methylene Chloride	2.85	84	56437	14.39	ug/l #	85
21) trans-1,2-Dichloroethene	3.17	96	54357	15.50	ug/l	89
22) Diisopropyl ether	3.87	45	183073	15.58	ug/l #	95
23) Vinyl Acetate	3.82	43	805812	84.74	ug/l	95
24) 1,1-Dichloroethane	3.69	63	105064	15.84	ug/l	97
25) 2-Butanone	4.71	43	262204	86.19	ug/l #	85
26) 2,2-Dichloropropane	4.59	77	79045	17.35	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	59481	15.19	ug/l	91
28) Bromochloromethane	5.02	49	49384	16.27	ug/l	94
29) Tetrahydrofuran	5.15	42	178221	97.15	ug/l	90
30) Chloroform	5.21	83	102487	15.82	ug/l	86
31) Cyclohexane	5.57	56	87523	15.45	ug/l	86
32) 1,1,1-Trichloroethane	5.49	97	86648	16.61	ug/l	99
36) 1,1-Dichloropropene	5.80	75	77472	15.66	ug/l	97
37) Ethyl Acetate	4.86	43	98378	17.49	ug/l	98
38) Carbon Tetrachloride	5.78	117	77257	15.99	ug/l	85

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

39) Methylcyclohexane	7.46	83	78801	15.27	ug/l #	82
40) Benzene	6.15	78	229470	15.64	ug/l	94
41) Methacrylonitrile	5.06	41	51970	16.77	ug/l	97
42) 1,2-Dichloroethane	6.20	62	79689	16.37	ug/l	97
43) Isopropyl Acetate	6.46	43	122421	16.39	ug/l	97
44) Trichloroethene	7.21	130	65211	17.10	ug/l	90
45) 1,2-Dichloropropane	7.52	63	54914	15.55	ug/l	97
46) Dibromomethane	7.66	93	37808	16.95	ug/l	97
47) Bromodichloromethane	7.90	83	66093	15.67	ug/l	98
48) Methyl methacrylate	7.77	41	67435	18.24	ug/l	96
49) 1,4-Dioxane	7.76	88	32844	375.29	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	448192	85.00	ug/l	94
52) Toluene	8.79	92	126124	14.59	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	71230	14.45	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	79773	15.88	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	52206	14.02	ug/l	97
56) Ethyl methacrylate	9.18	69	74564	14.16	ug/l	93
57) 1,3-Dichloropropane	9.37	76	87037	14.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	221619	91.72	ug/l	96
59) 2-Hexanone	9.50	43	354097	87.55	ug/l	93
60) Dibromochloromethane	9.59	129	53455	15.25	ug/l	99
61) 1,2-Dibromoethane	9.67	107	55013	15.47	ug/l	99
64) Tetrachloroethene	9.34	164	55402	12.53	ug/l	99
65) Chlorobenzene	10.14	112	143930	16.36	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	50923	16.78	ug/l	100
67) Ethyl Benzene	10.26	91	234882	16.42	ug/l	99
68) m/p-Xylenes	10.36	106	184974	33.56	ug/l	93
69) o-Xylene	10.70	106	88647	16.73	ug/l	97
70) Styrene	10.71	104	148598	16.93	ug/l	98
71) Bromoform	10.86	173	43144	17.32	ug/l #	99
73) Isopropylbenzene	11.02	105	240508	18.47	ug/l	100
74) N-amyl acetate	10.90	43	108832	19.85	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	83912	19.98	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	74977m	18.85	ug/l	
77) Bromobenzene	11.26	156	66620	18.51	ug/l	98
78) n-propylbenzene	11.36	91	277260	18.52	ug/l	100
79) 2-Chlorotoluene	11.42	91	167661	18.46	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	206817	18.89	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	23493	18.82	ug/l	97
82) 4-Chlorotoluene	11.51	91	197288	18.61	ug/l	99
83) tert-Butylbenzene	11.77	119	200520	19.24	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	214229	19.17	ug/l	98
85) sec-Butylbenzene	11.94	105	243399	18.32	ug/l	99
86) p-Isopropyltoluene	12.07	119	219753	18.74	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	121777	18.13	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	124051	17.88	ug/l	98
89) n-Butylbenzene	12.39	91	190064	17.78	ug/l	97
90) Hexachloroethane	12.60	117	34796	18.53	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	122446	18.01	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19652	21.91	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	90174	18.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	47048	18.71	ug/l	97
95) Naphthalene	13.83	128	271904	20.14	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	94642	19.14	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:168 Resp: 303718

Ion Ratio Lower Upper

168 100

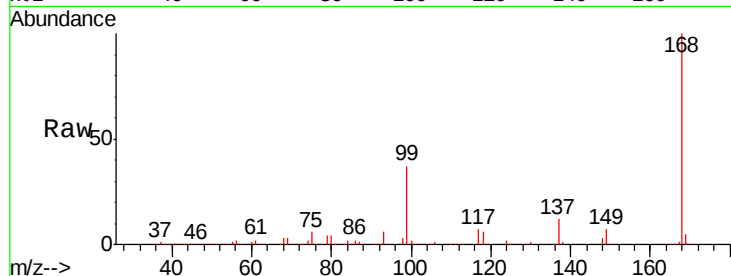
99 36.6 39.9 59.9#

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

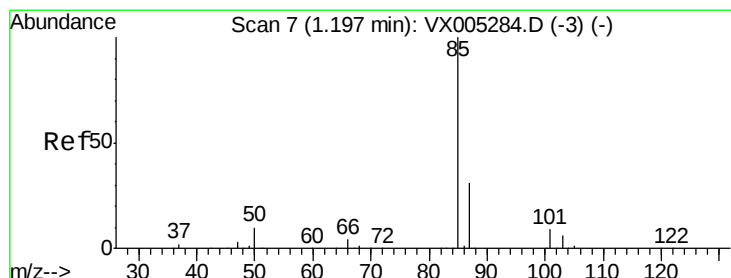
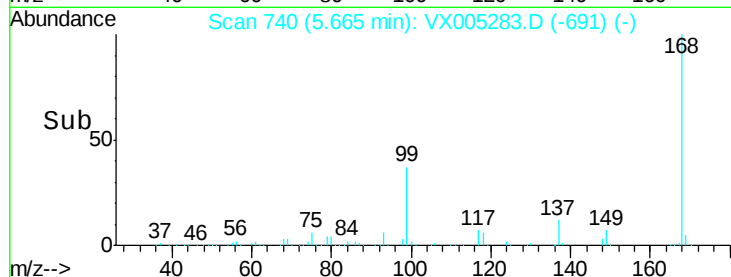
5.67

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 16.37 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005283.D

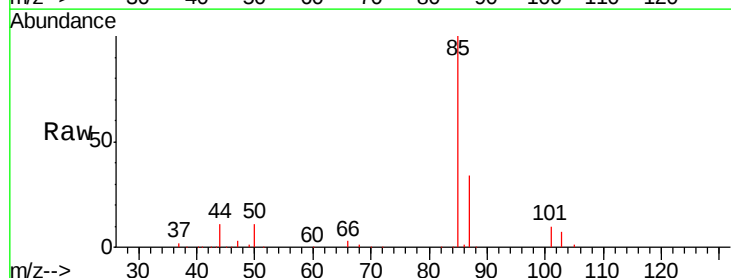
Acq: 12 Oct 2018 09:39

Tgt Ion: 85 Resp: 46586

Ion Ratio Lower Upper

85 100

87 34.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

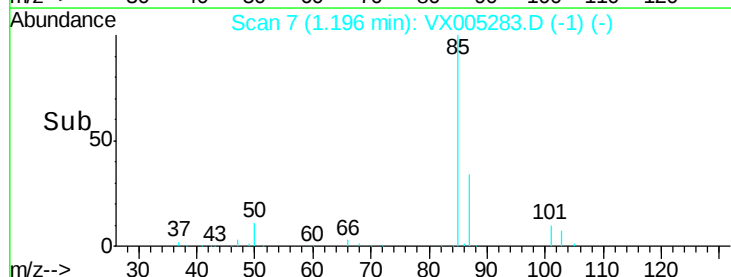
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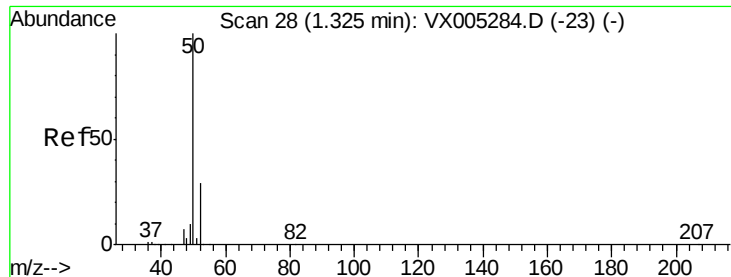
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 16.39 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 64225

Ion Ratio Lower Upper

50 100

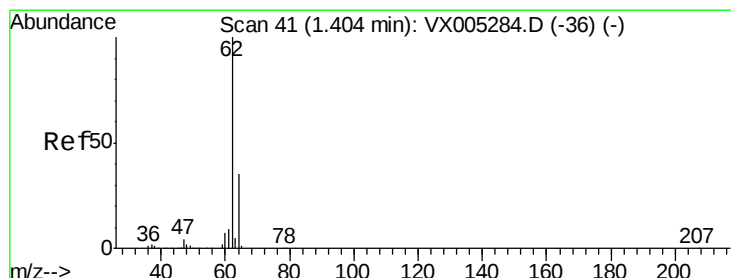
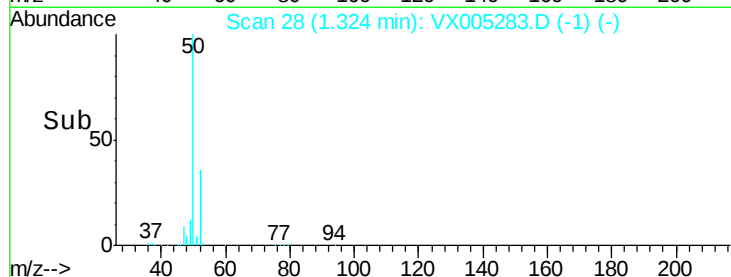
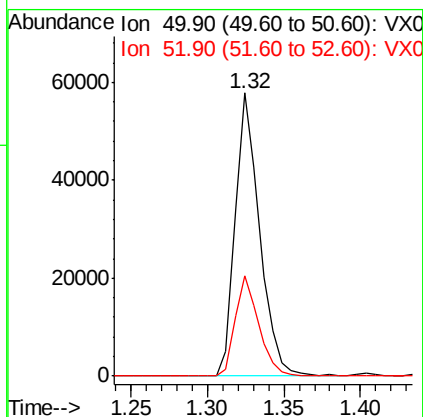
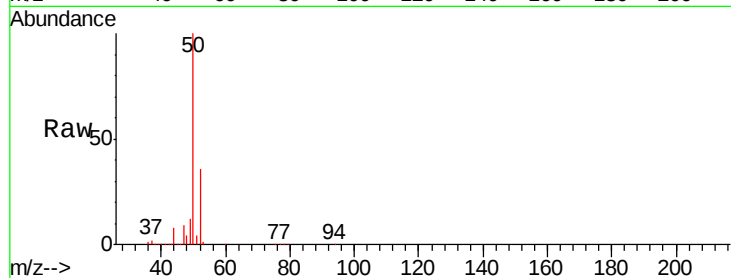
52 35.6 26.2 39.2

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#4

Vinyl Chloride

Concen: 16.01 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005283.D

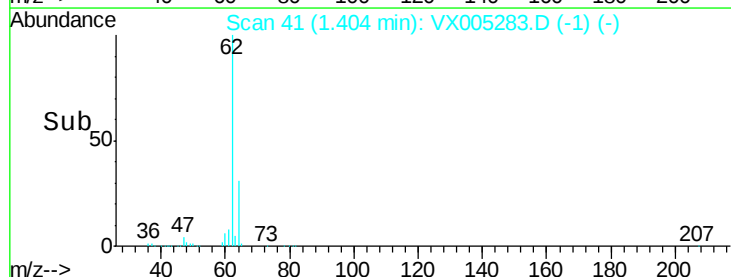
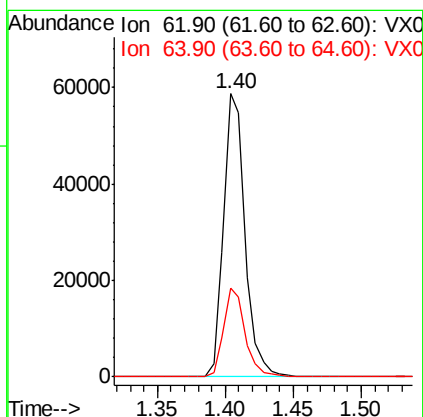
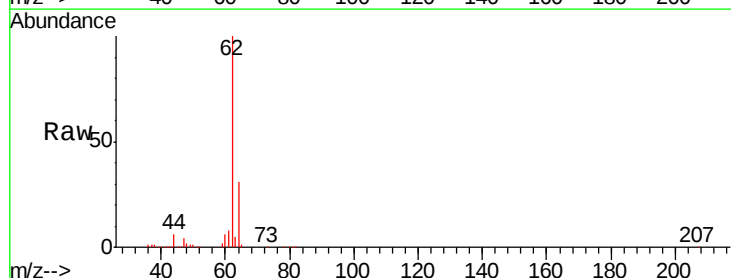
Acq: 12 Oct 2018 09:39

Tgt Ion: 62 Resp: 64374

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 18.87 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 36214

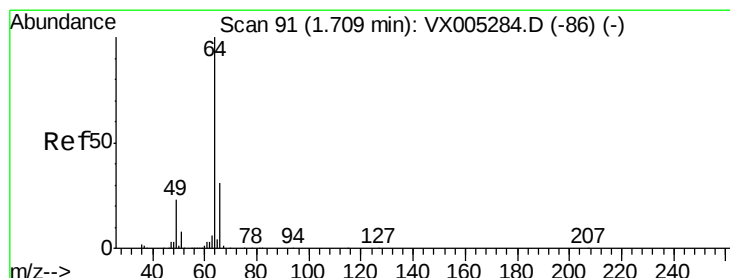
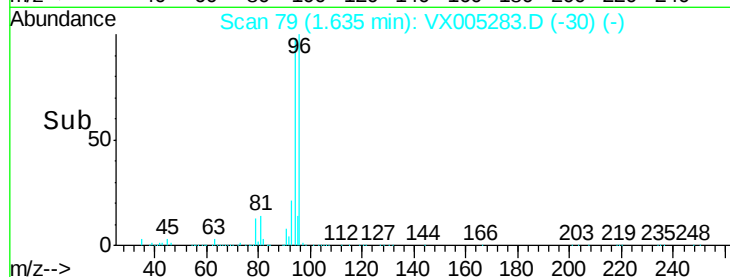
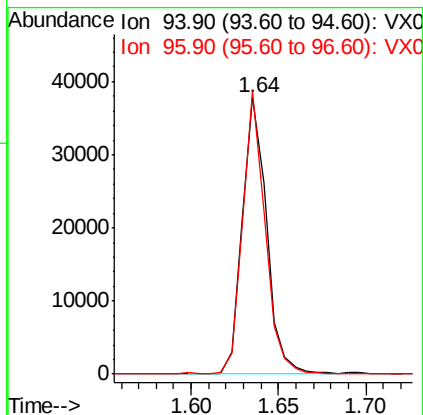
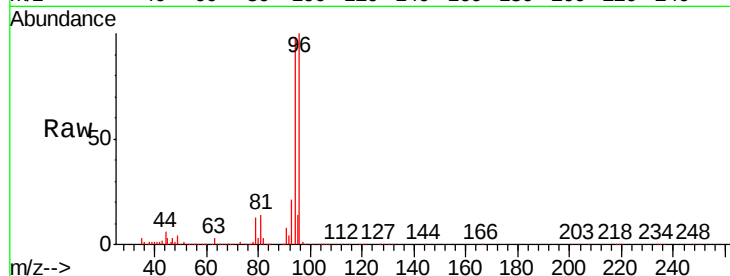
Ion Ratio Lower Upper

94 100

96 102.3 74.5 111.7

Manual Integrations
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#6

Chloroethane

Concen: 15.44 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005283.D

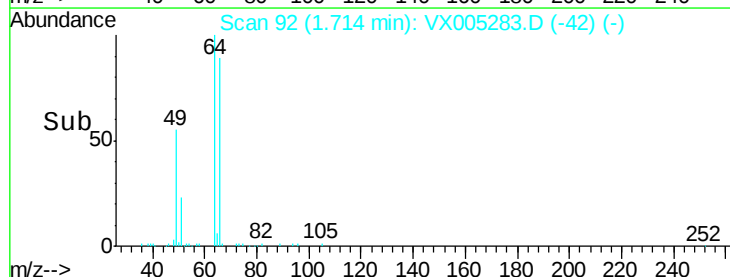
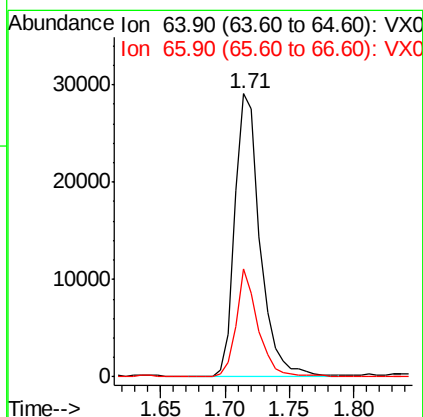
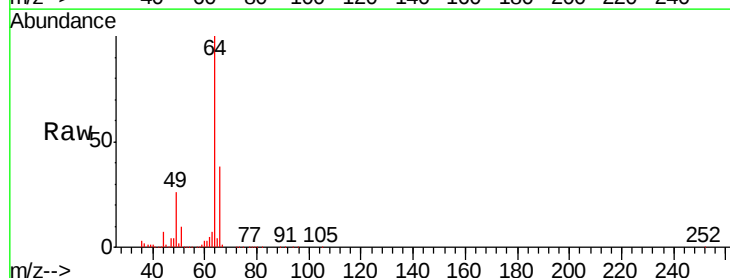
Acq: 12 Oct 2018 09:39

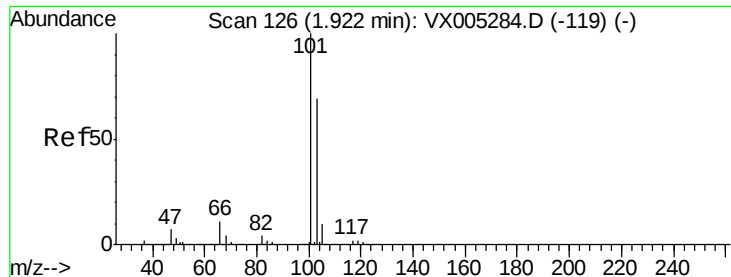
Tgt Ion: 64 Resp: 40148

Ion Ratio Lower Upper

64 100

66 38.1 24.6 36.8#





#7

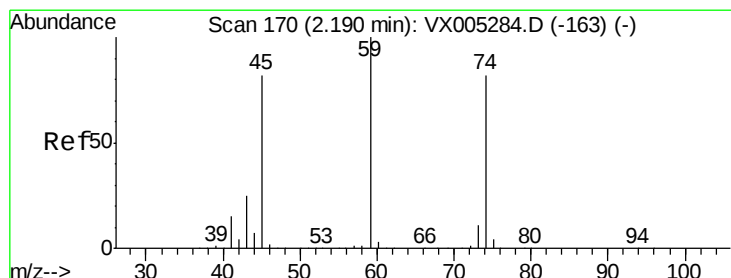
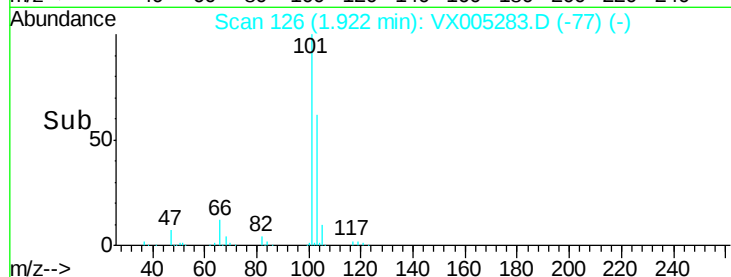
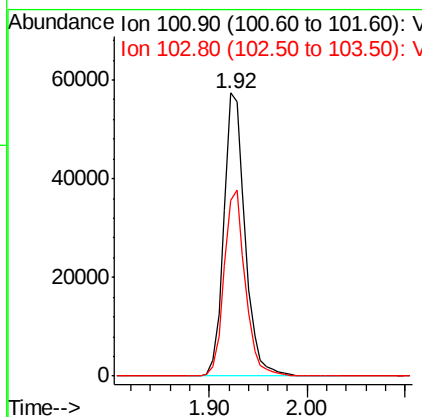
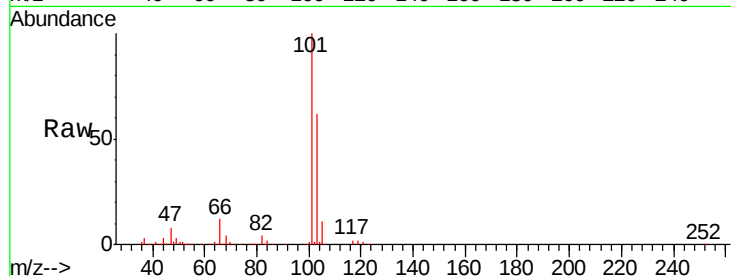
Trichlorofluoromethane
 Concen: 16.14 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	62.1	48.9	73.3

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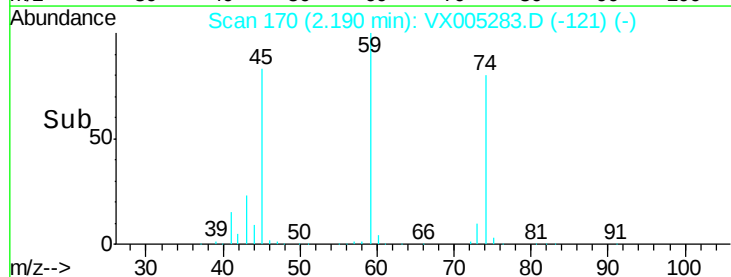
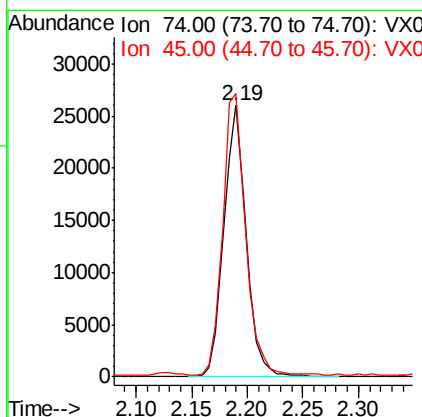
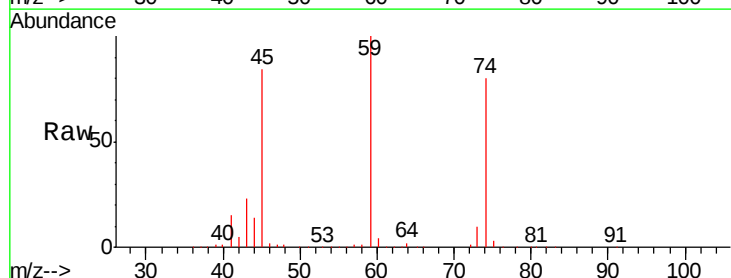
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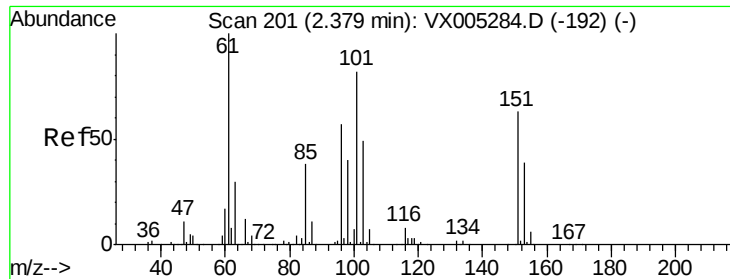


#8

Diethyl Ether
 Concen: 15.11 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.7	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 14.79 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

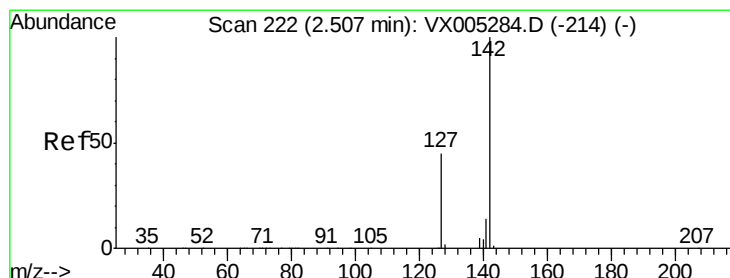
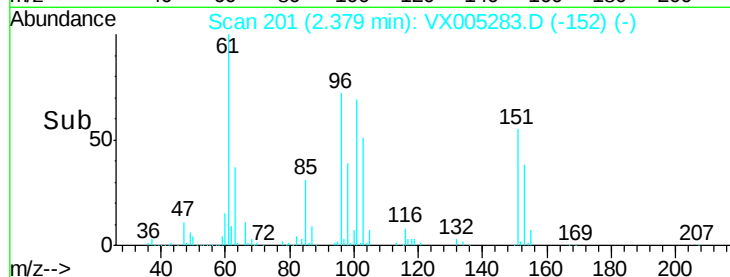
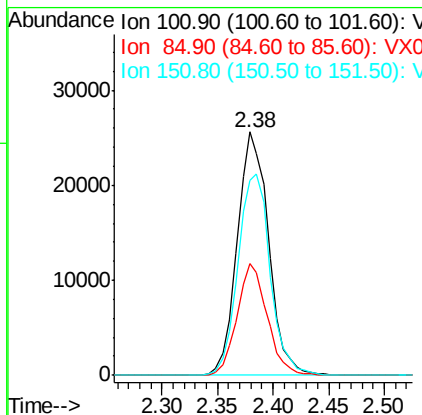
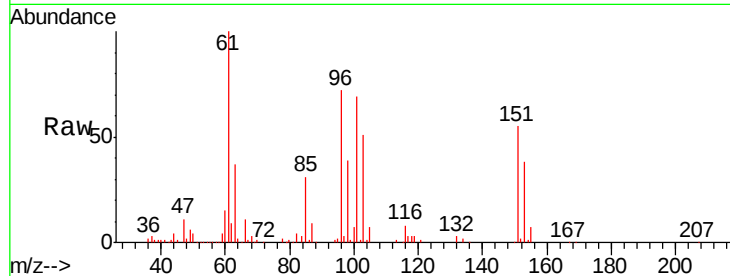
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	50020
Ion Ratio	Lower	Upper	
101	100		
85	44.0	34.2	51.4
151	85.1	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 12.23 ug/l

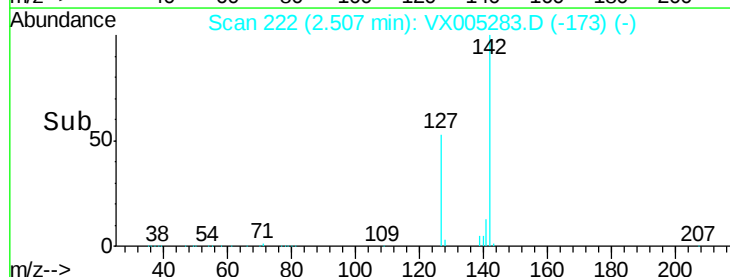
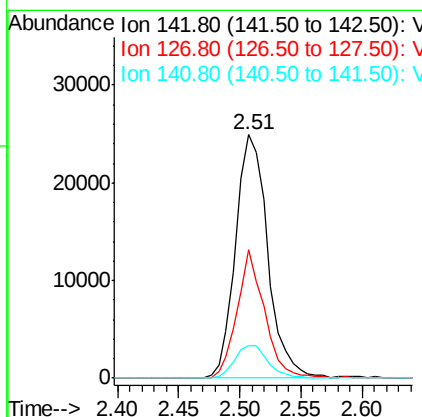
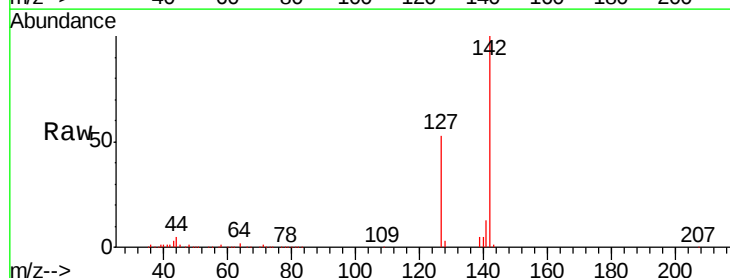
RT: 2.51 min Scan# 222

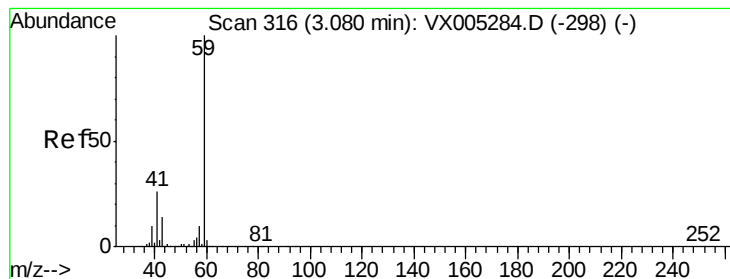
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	142	Resp:	45476
Ion Ratio	Lower	Upper	
142	100		
127	44.9	33.8	50.6
141	13.8	11.4	17.0





#11

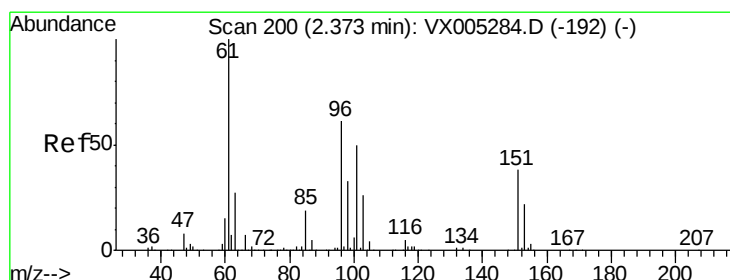
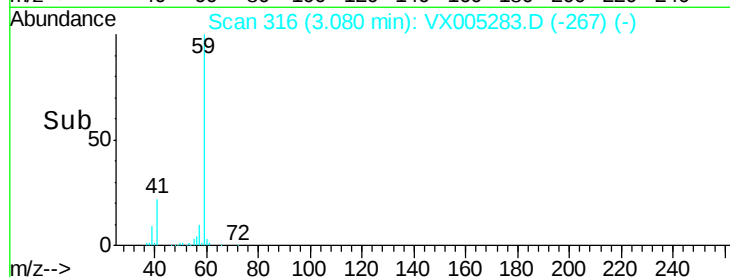
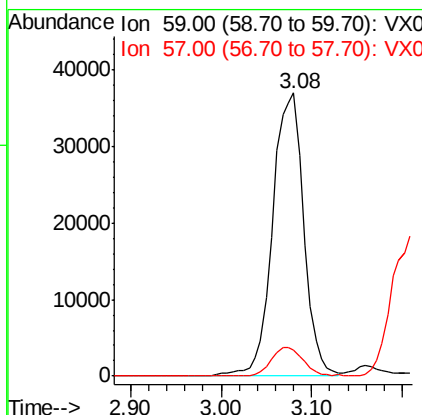
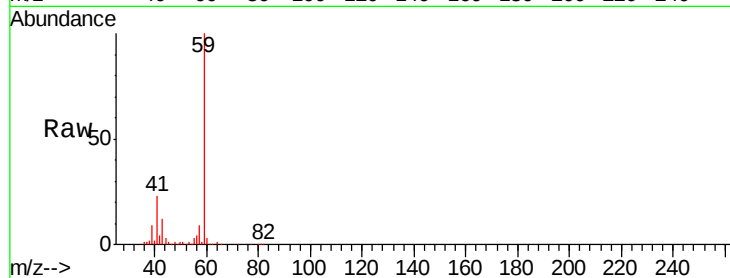
Tert butyl alcohol
Concen: 94.01 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tgt Ion: 59 Resp: 87849
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.4

Manual Integrations
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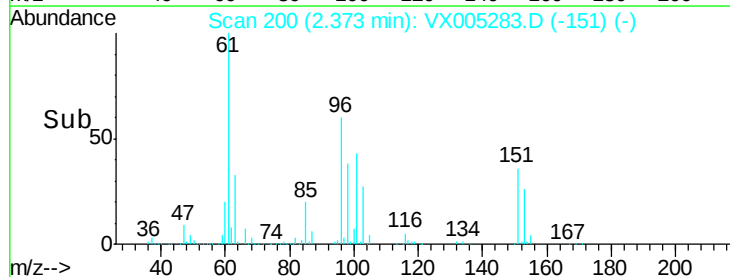
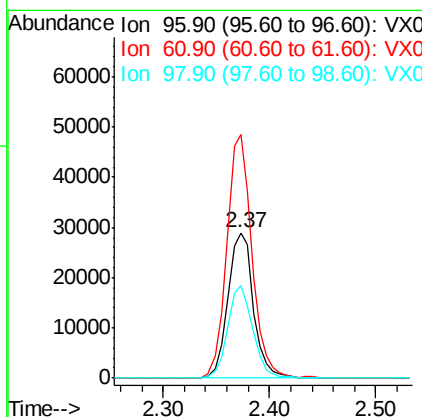
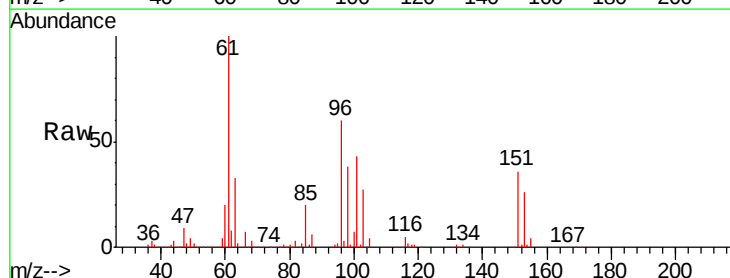
MMDadoda
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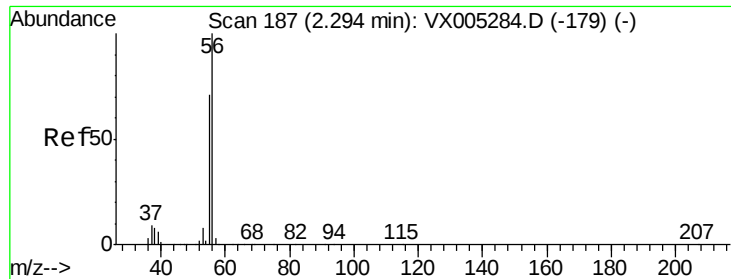


#12

1,1-Dichloroethene
Concen: 15.35 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 96 Resp: 48704
Ion Ratio Lower Upper
96 100
61 167.7 128.8 193.2
98 63.7 52.2 78.2





#13

Acrolein

Concen: 150.77 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 55616

Ion Ratio Lower Upper

56 100

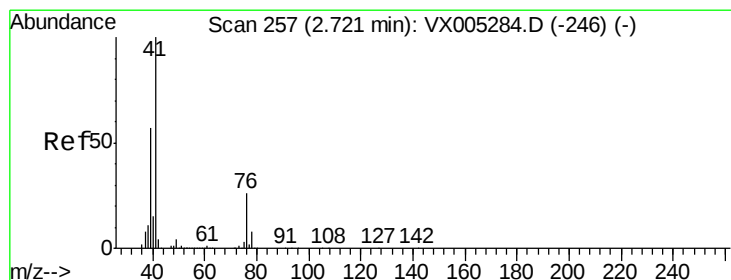
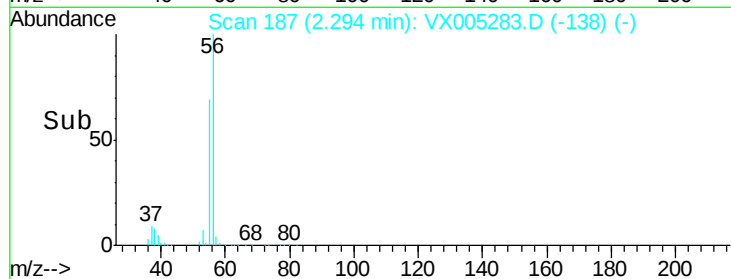
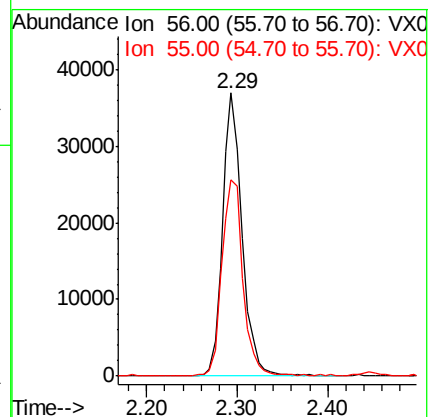
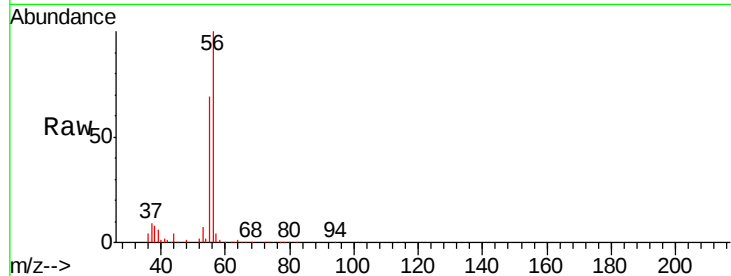
55 75.3 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 16.51 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

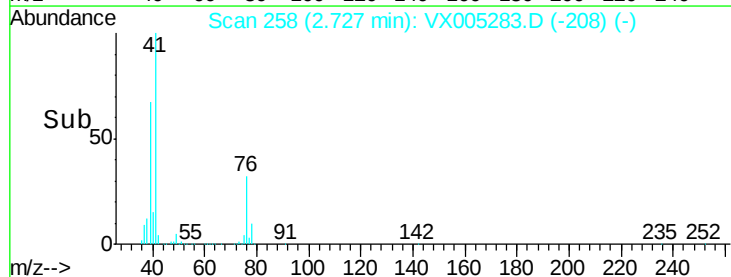
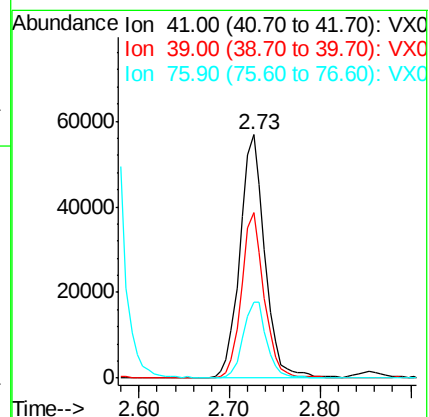
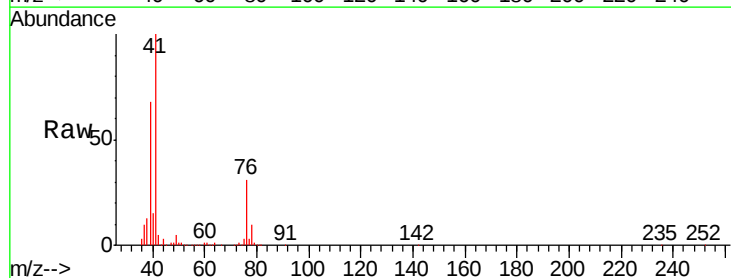
Tgt Ion: 41 Resp: 107702

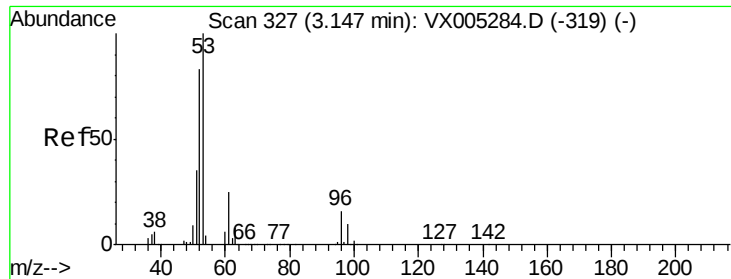
Ion Ratio Lower Upper

41 100

39 61.7 48.9 73.3

76 29.8 26.7 40.1





#15

Acrylonitrile

Concen: 91.04 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

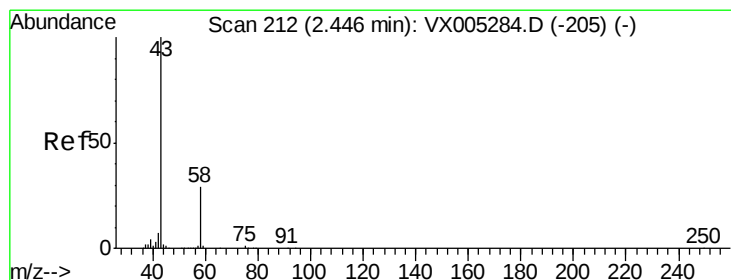
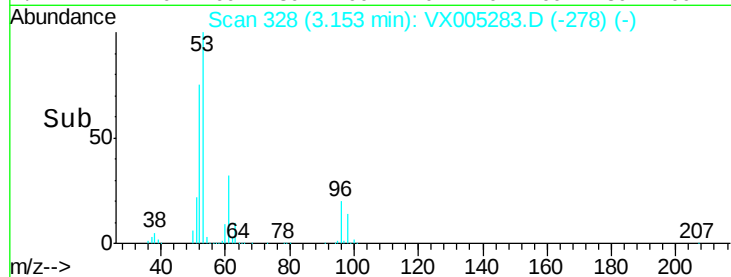
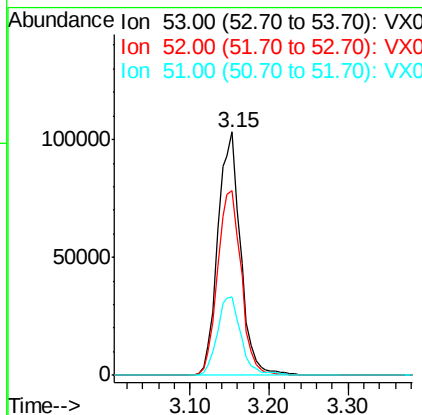
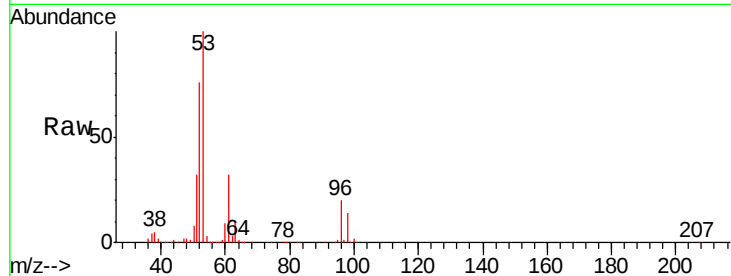
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	204860
Ion	Ratio	Lower	Upper
53	100		
52	79.7	65.2	97.8
51	33.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 91.19 ug/l

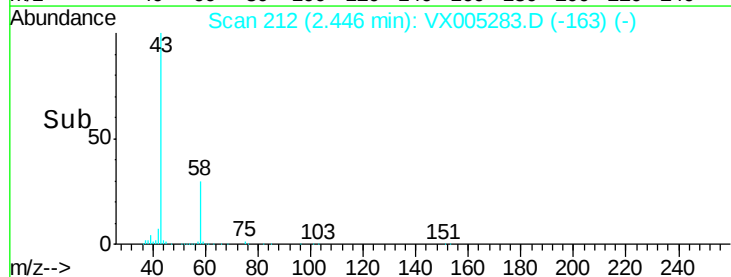
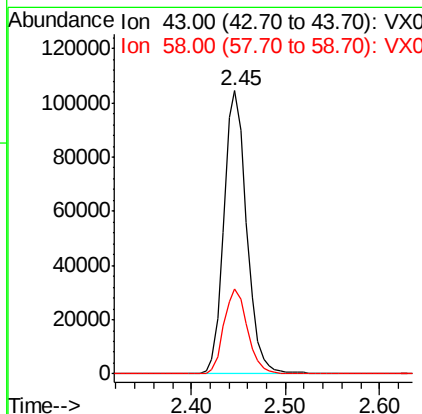
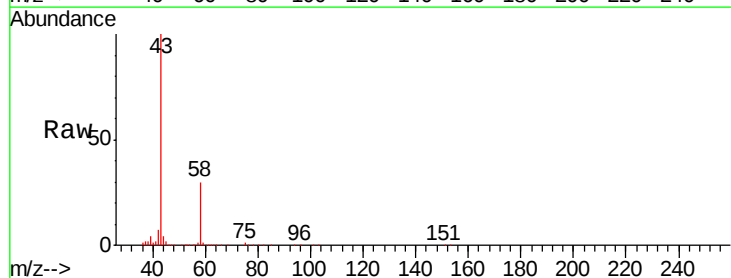
RT: 2.45 min Scan# 212

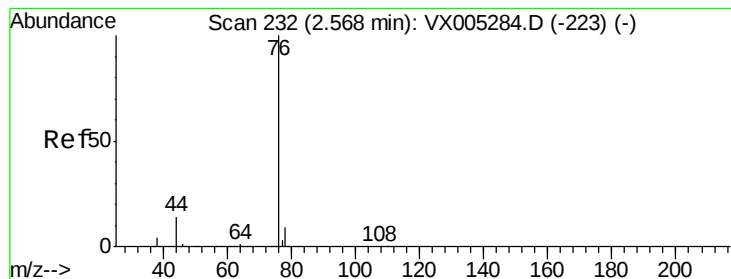
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	43	Resp:	174303
Ion	Ratio	Lower	Upper
43	100		
58	30.2	26.2	39.4





#17

Carbon Disulfide

Concen: 16.23 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 148886

Ion Ratio Lower Upper

76 100

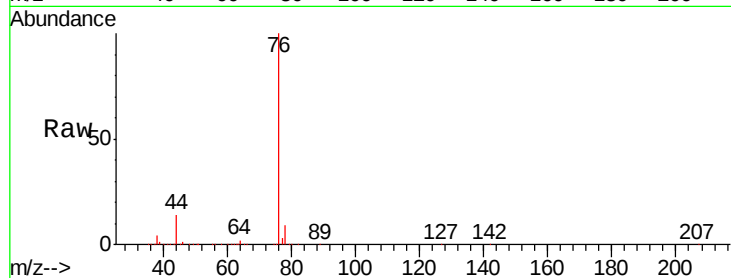
78 9.2 7.0 10.6

Manual Integrations

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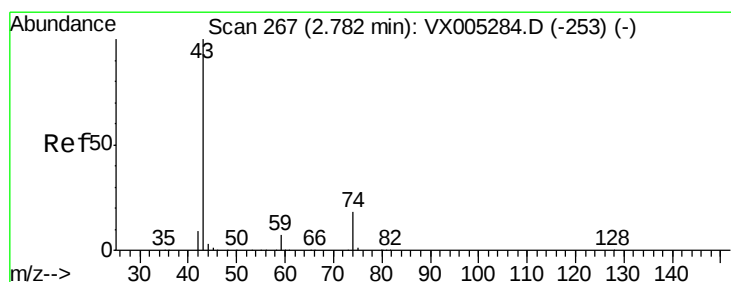
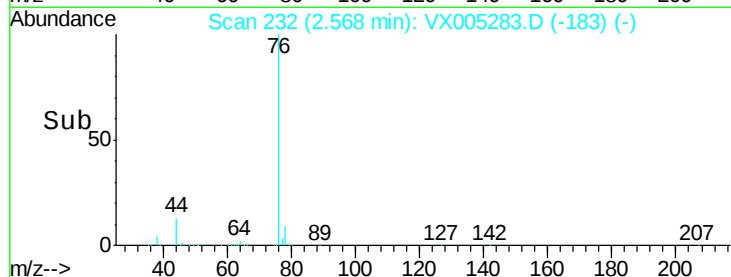
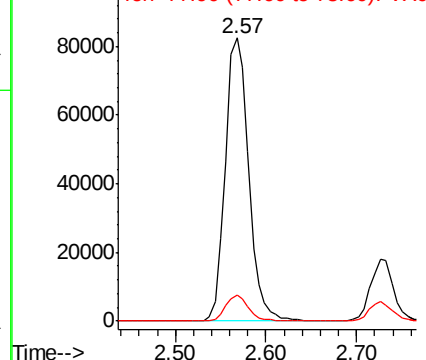
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 19.85 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005283.D

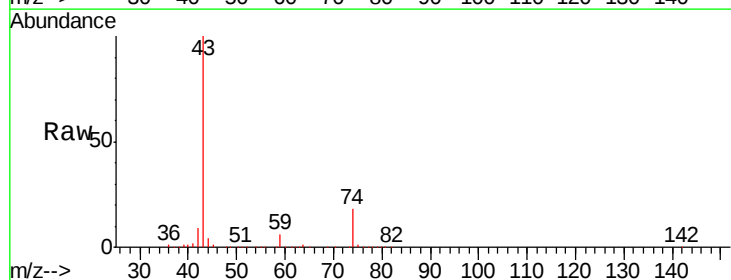
Acq: 12 Oct 2018 09:39

Tgt Ion: 43 Resp: 106440

Ion Ratio Lower Upper

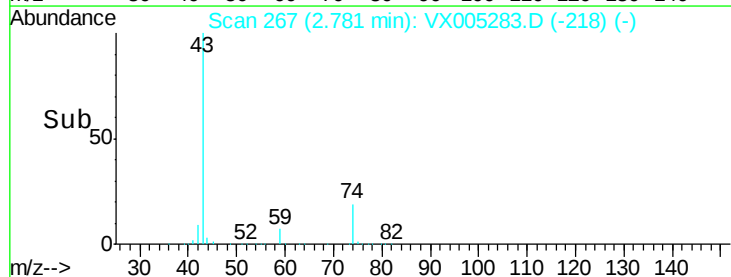
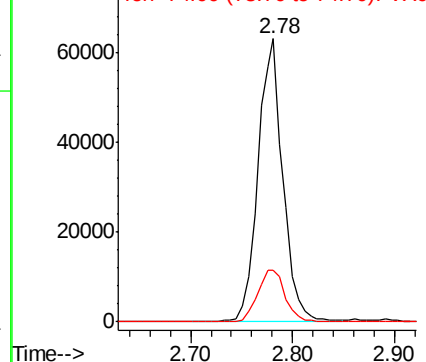
43 100

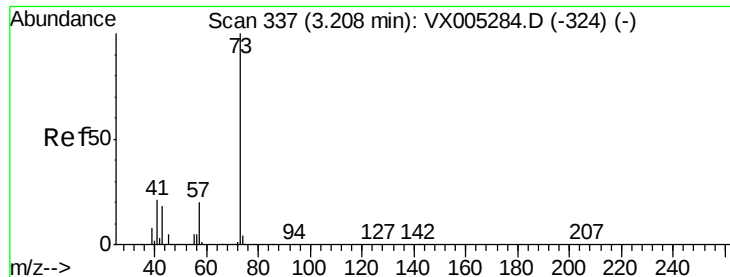
74 19.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





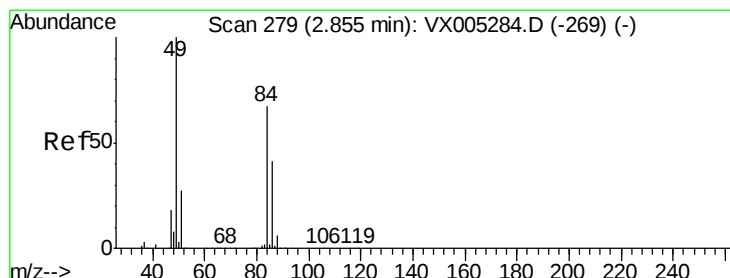
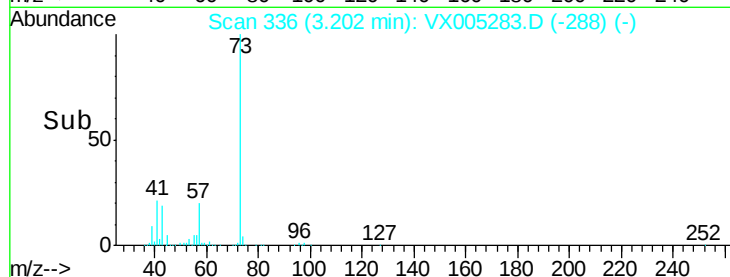
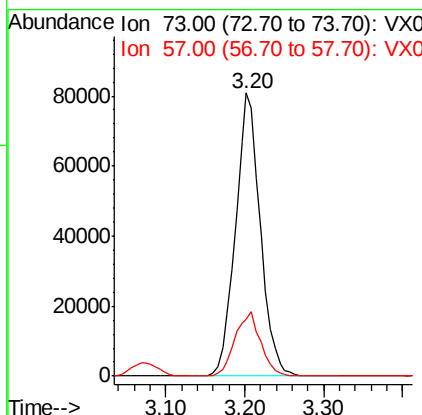
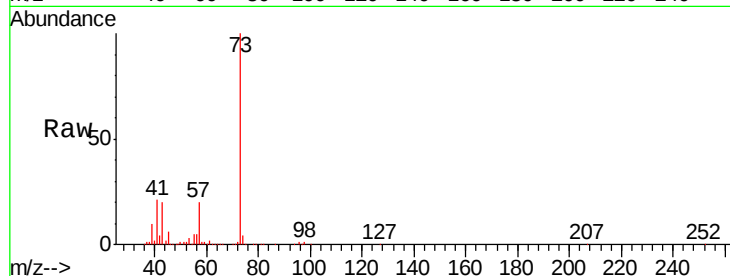
#19
Methyl tert-butyl Ether
Concen: 15.85 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 176498
Ion Ratio Lower Upper
73 100
57 20.0 17.1 25.7

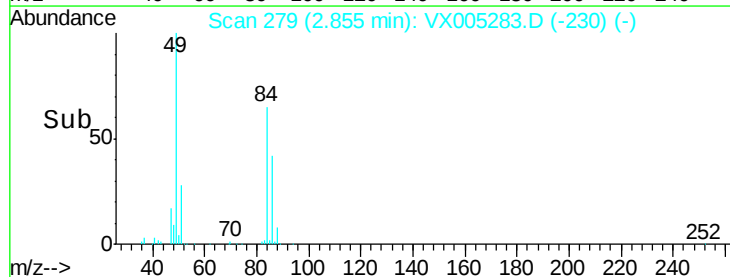
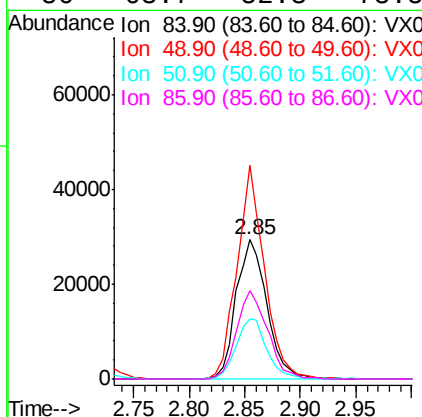
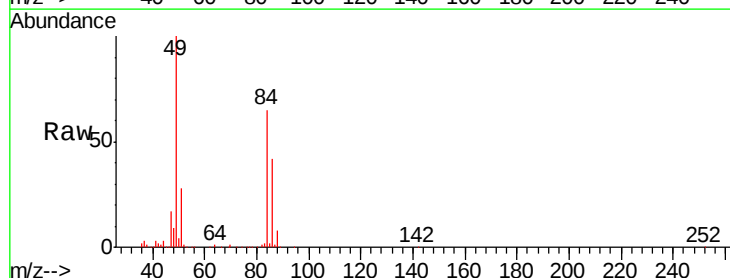
Manual Integrations
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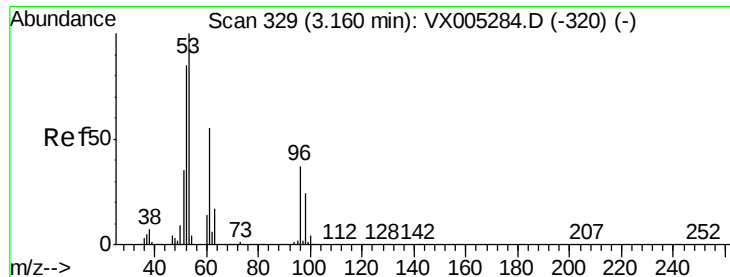
MMDadoda
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#20
Methylene Chloride
Concen: 14.39 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 84 Resp: 56437
Ion Ratio Lower Upper
84 100
49 153.0 101.2 151.8#
51 43.2 29.5 44.3
86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 15.50 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

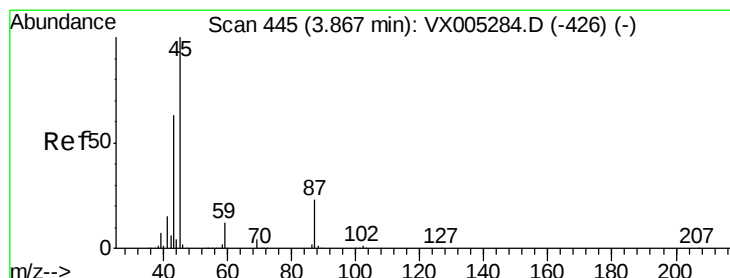
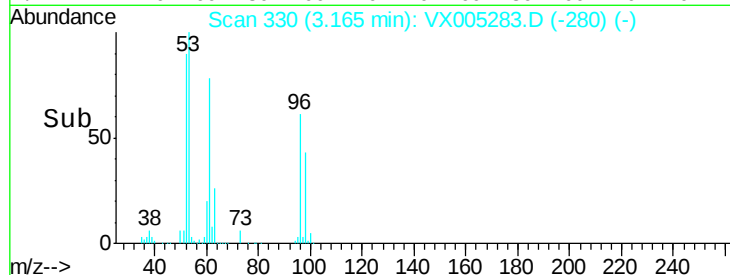
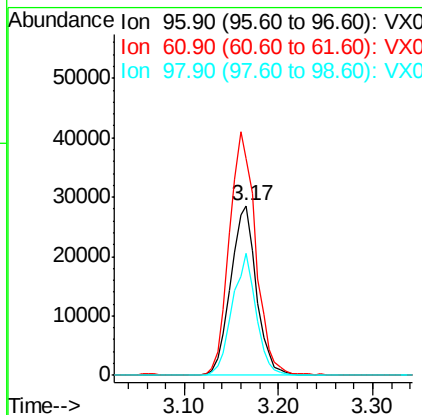
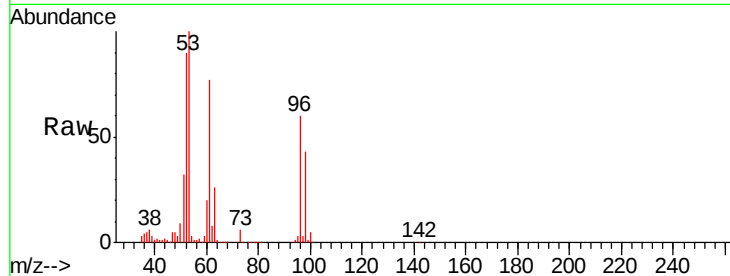
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	54357
Ion	Ratio	Lower	Upper
96	100		
61	128.0	113.8	170.6
98	71.7	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 15.58 ug/l

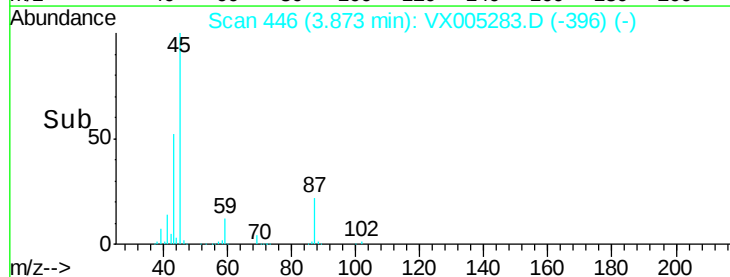
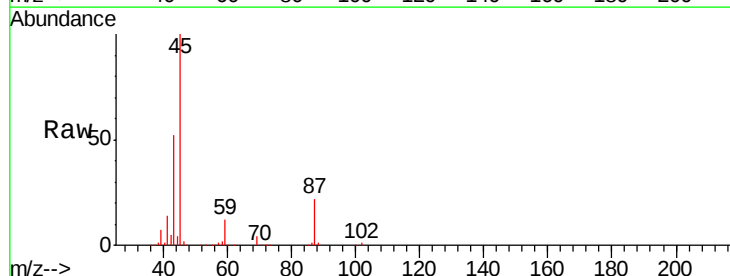
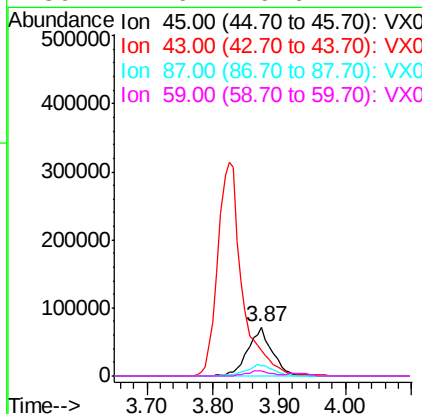
RT: 3.87 min Scan# 446

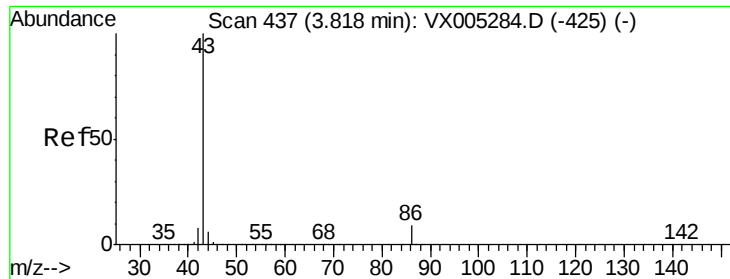
Delta R.T. 0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	45	Resp:	183073
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.8	64.2
87	22.2	22.6	34.0#
59	11.6	9.6	14.4





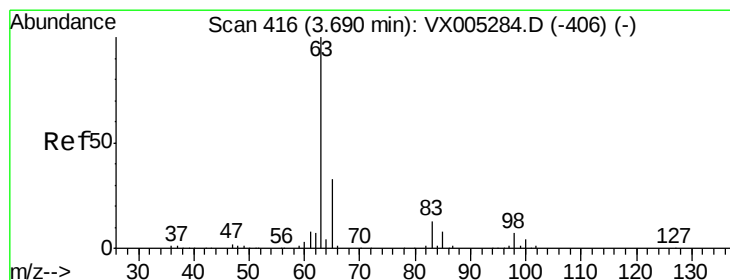
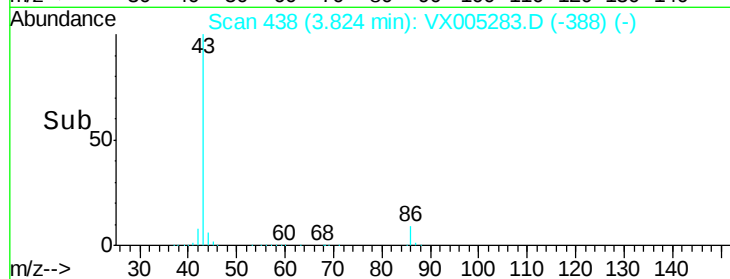
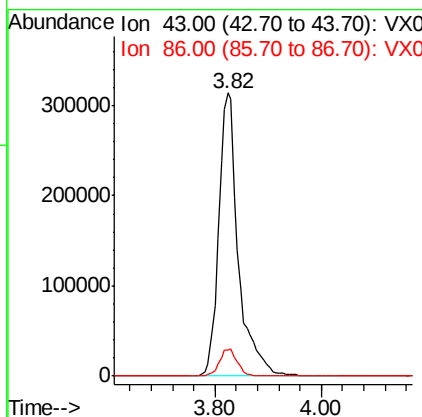
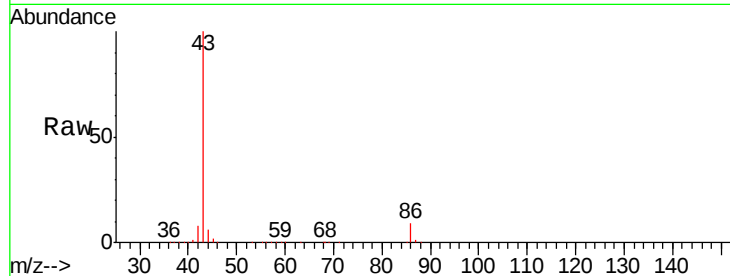
#23
 Vinyl Acetate
 Concen: 84.74 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.9	13.3

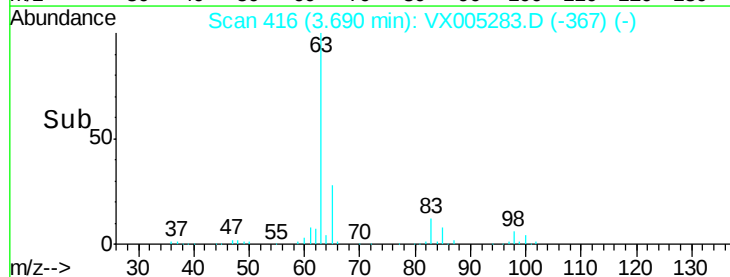
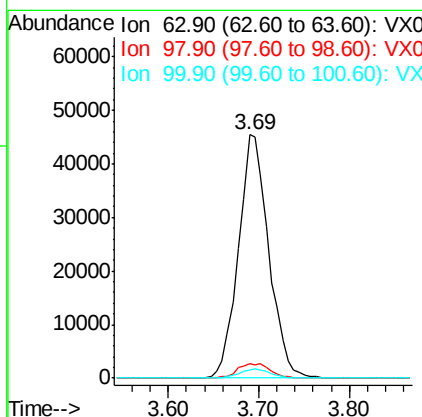
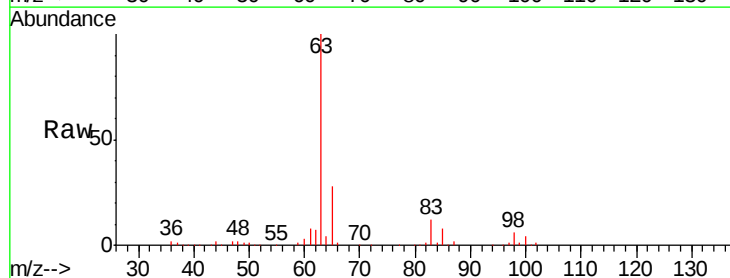
Manual Integrations
 APPROVED

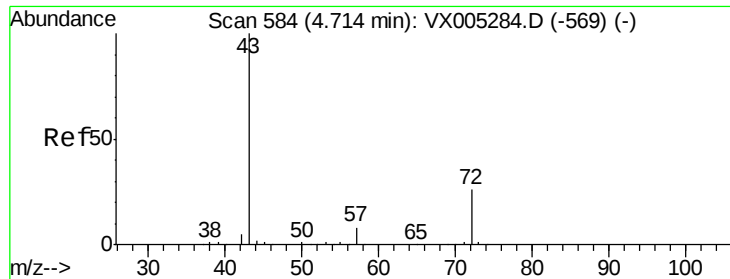
MMDadoda
 10/17/2018 9:04:26 AM



#24
 1,1-Dichloroethane
 Concen: 15.84 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.5	10.4
100	3.6	2.4	7.1





#25

2-Butanone

Concen: 86.19 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 262204

Ion Ratio Lower Upper

43 100

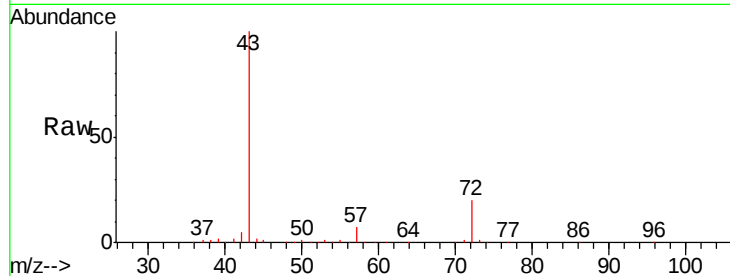
72 19.7 22.0 33.0#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

60000

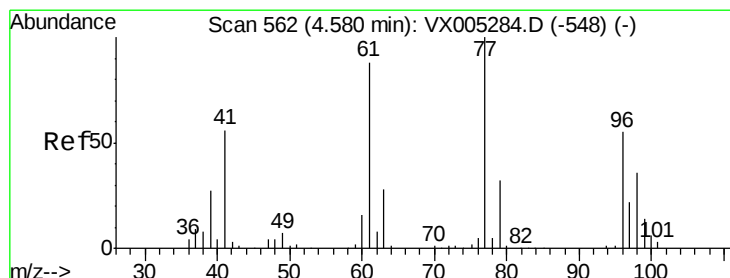
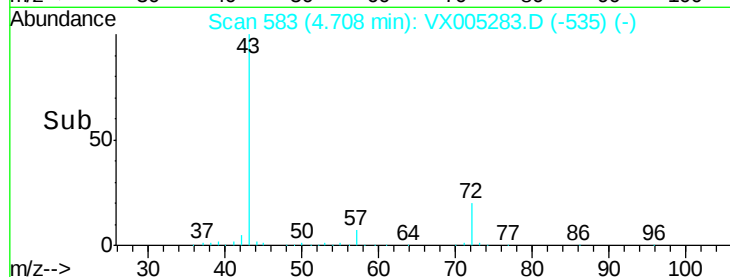
40000

20000

0

Time-->

4.60 4.70 4.80



#26

2,2-Dichloropropane

Concen: 17.35 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005283.D

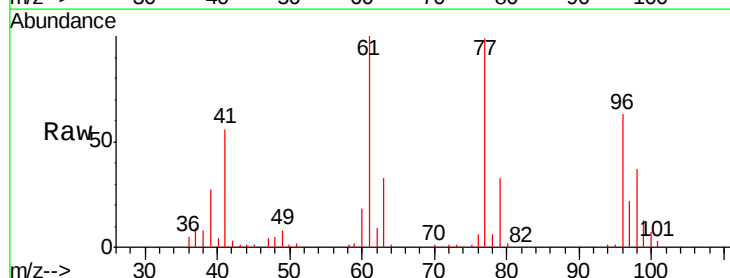
Acq: 12 Oct 2018 09:39

Tgt Ion: 77 Resp: 79045

Ion Ratio Lower Upper

77 100

97 23.1 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

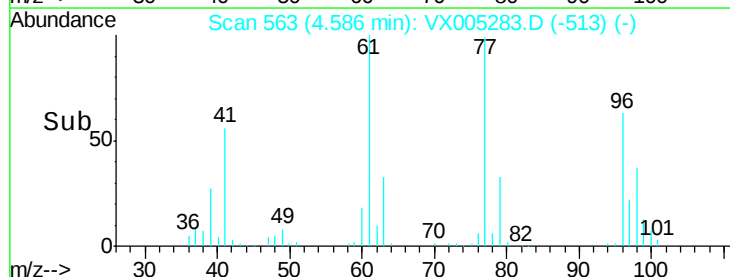
10000

5000

0

Time-->

4.40 4.50 4.60 4.70





#27

cis-1,2-Dichloroethene

Concen: 15.19 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

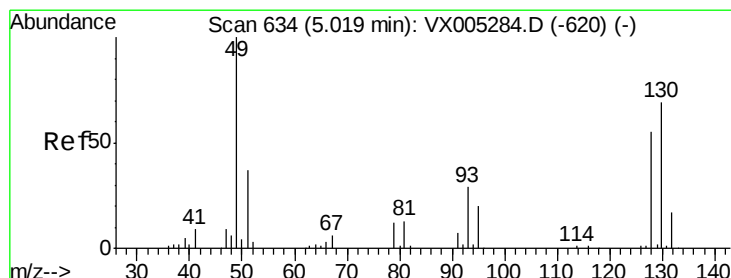
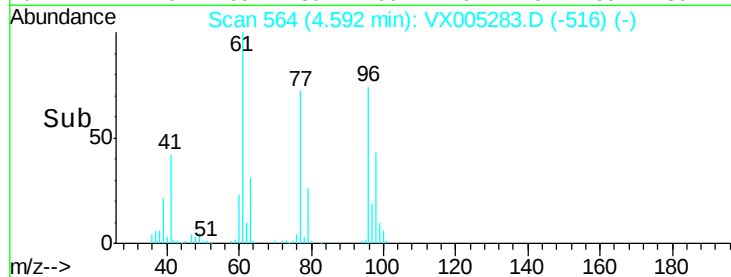
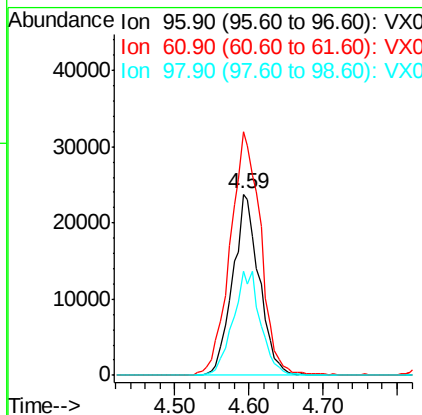
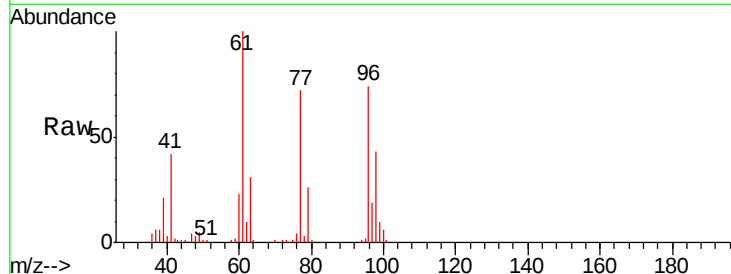
ClientSampleId :

VSTDIC020

Tgt Ion:	96	Resp:	59481
Ion	Ratio	Lower	Upper
96	100		
61	154.0	0.0	282.6
98	59.3	0.0	130.2

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#28

Bromochloromethane

Concen: 16.27 ug/l

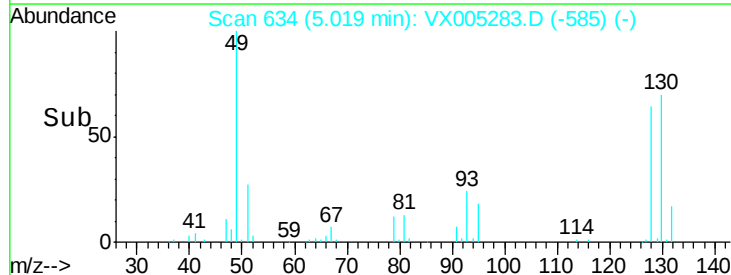
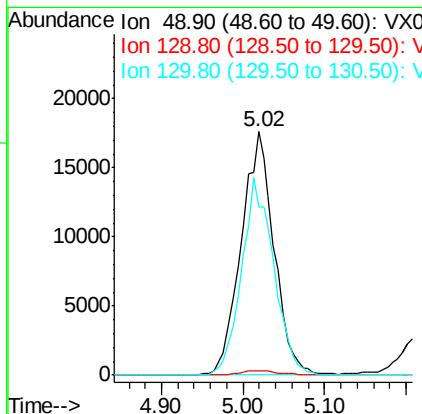
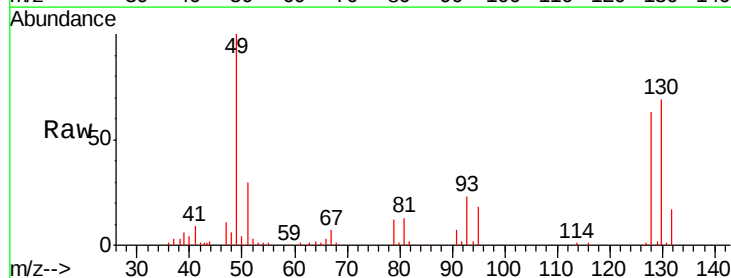
RT: 5.02 min Scan# 634

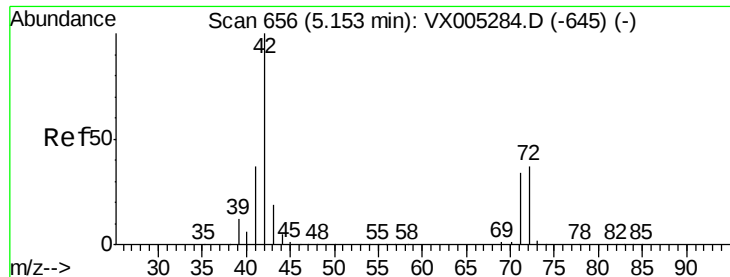
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	49	Resp:	49384
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	78.8	67.5	101.3





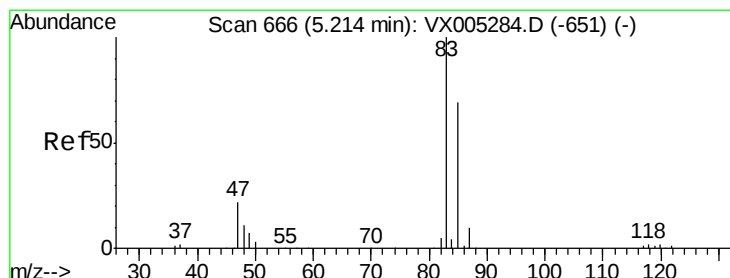
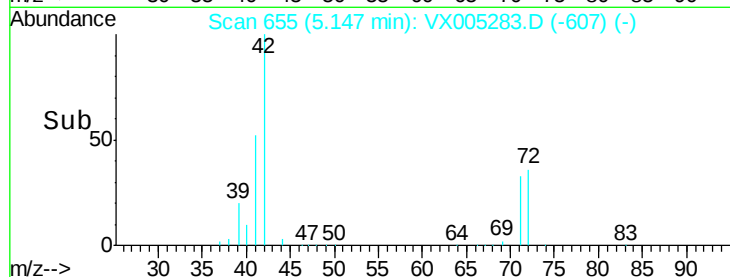
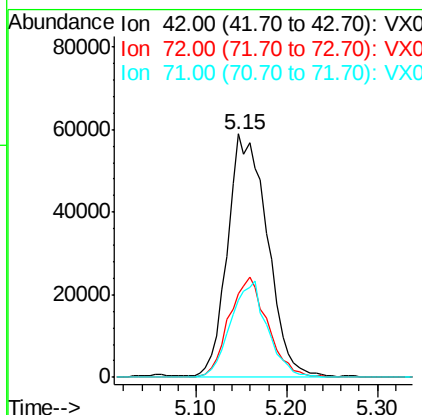
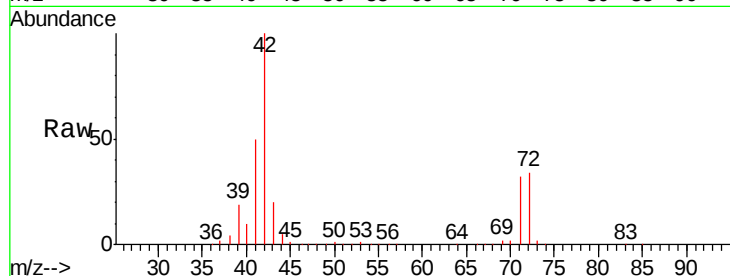
#29
Tetrahydrofuran
Concen: 97.15 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.2	37.4	56.0
71	36.8	34.5	51.7

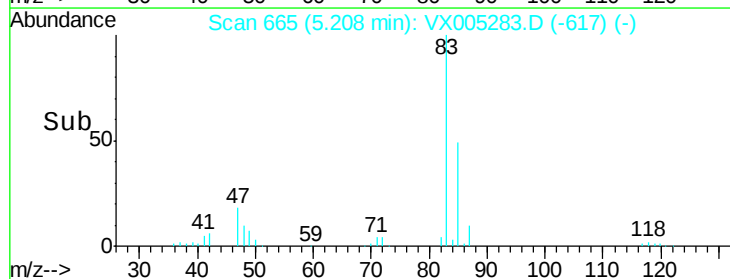
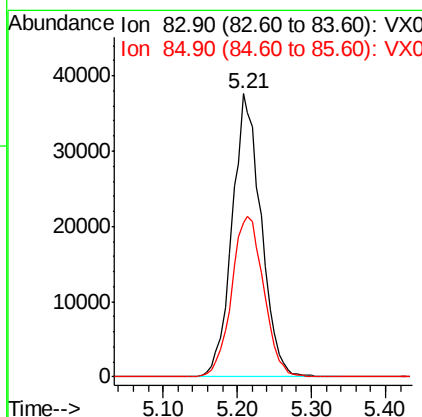
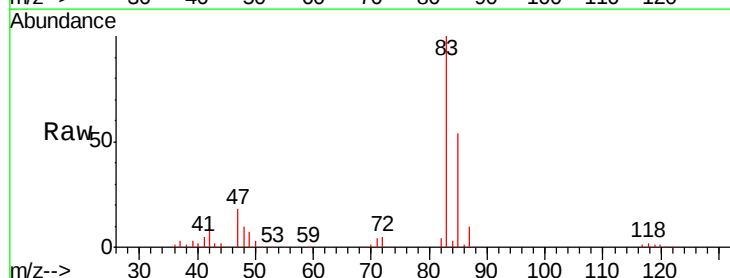
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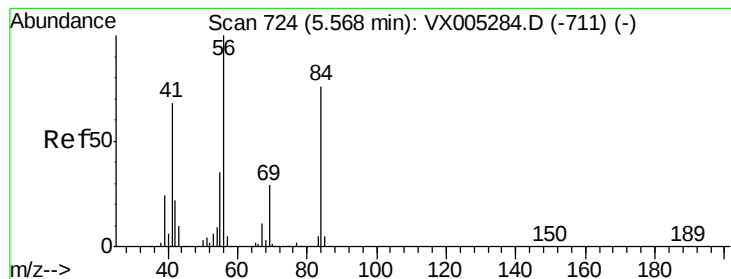
MMDadoda
10/17/2018 9:04:26 AM



#30
Chloroform
Concen: 15.82 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.4	52.6	79.0





#31

Cyclohexane

Concen: 15.45 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

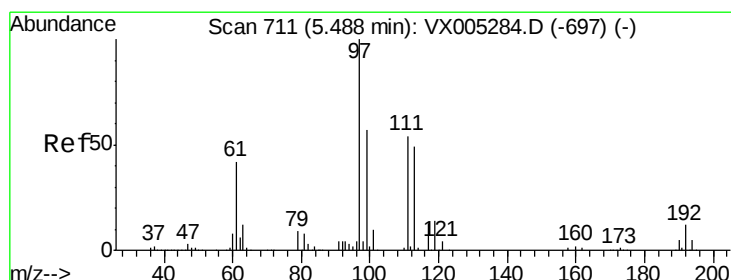
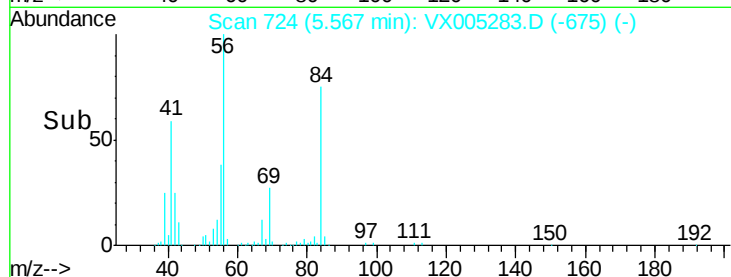
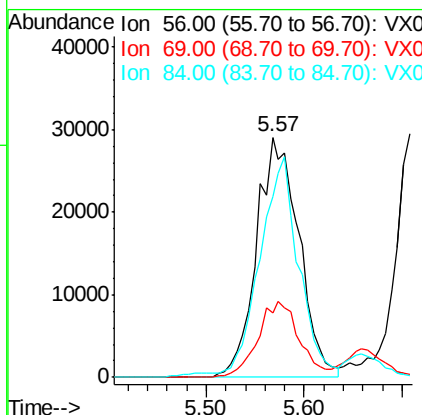
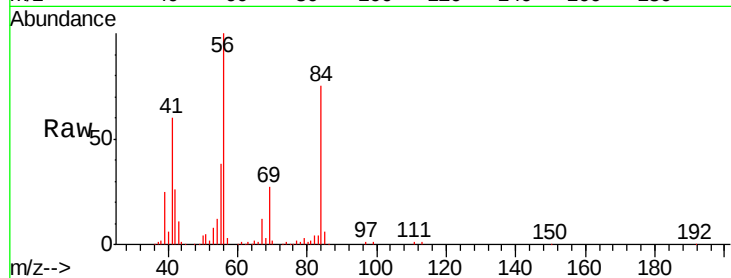
ClientSampleId :

VSTDIC020

Tgt Ion:	56	Resp:	87523
Ion	Ratio	Lower	Upper
56	100		
69	26.7	25.4	38.2
84	74.0	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 16.61 ug/l

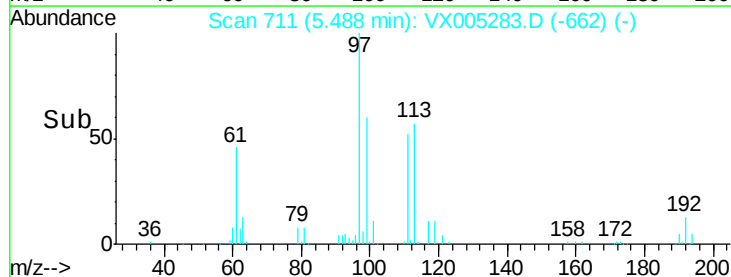
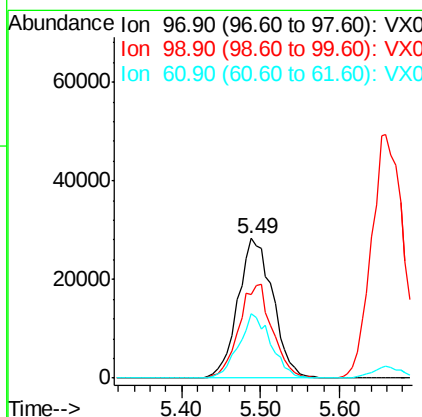
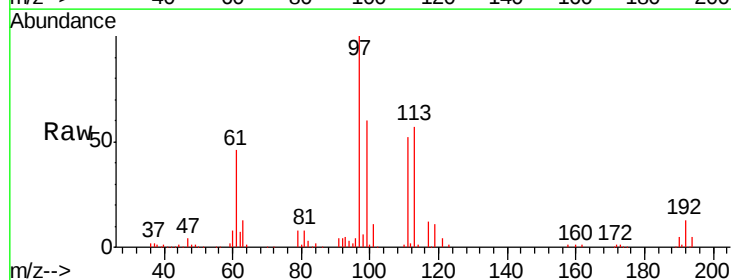
RT: 5.49 min Scan# 711

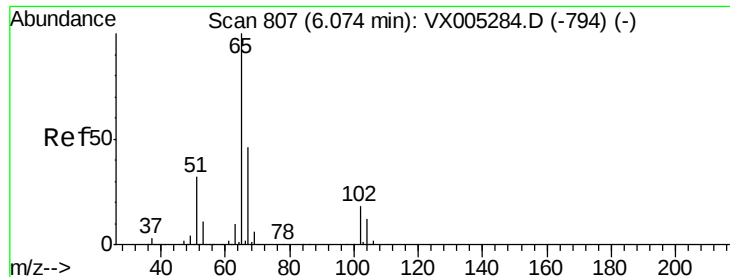
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	97	Resp:	86648
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	43.1	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 17.46 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X

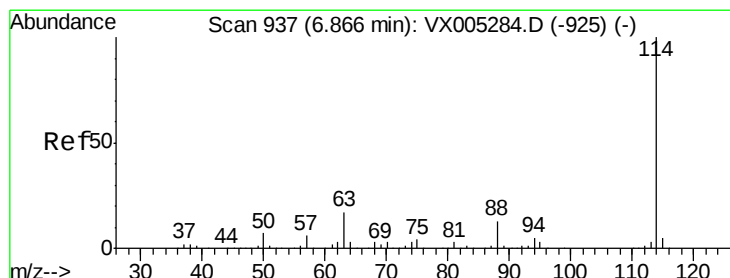
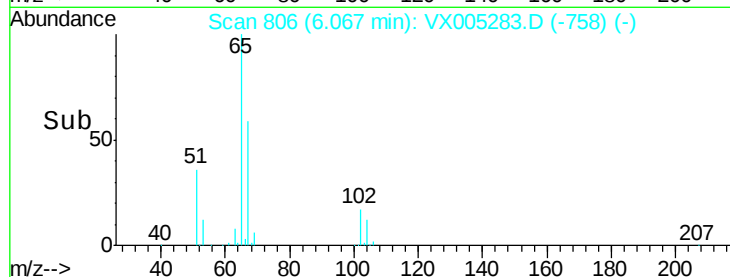
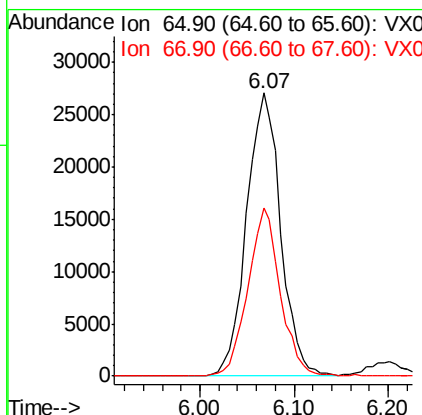
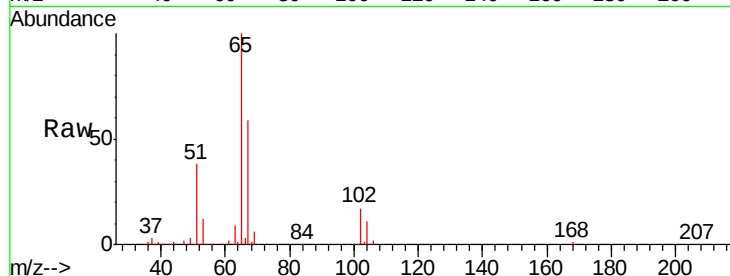
ClientSampleId :
VSTDIC020

Tgt Ion: 65 Resp: 68380

Ion	Ratio	Lower	Upper
65	100		
67	56.2	0.0	106.8

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 937

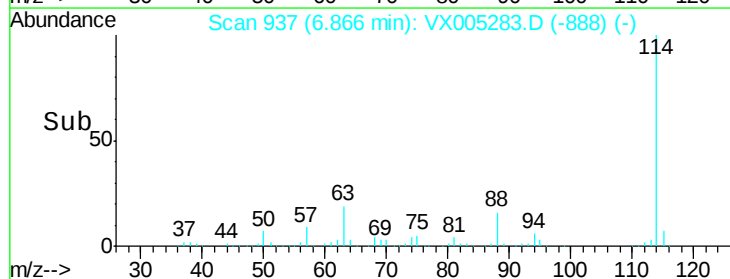
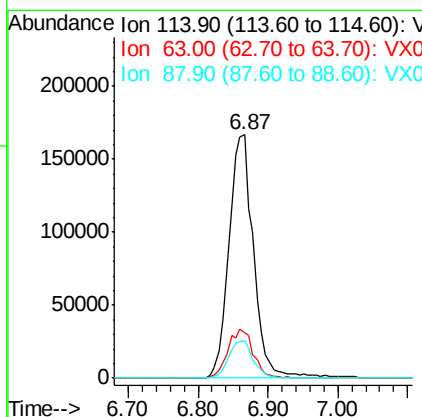
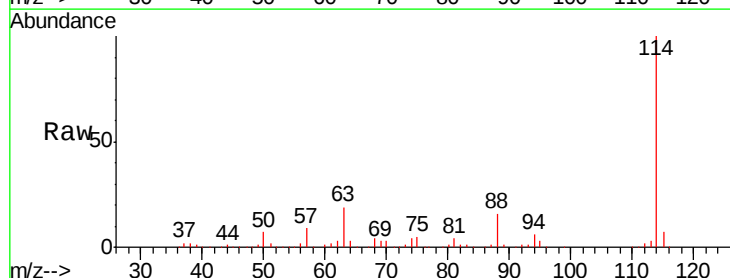
Delta R.T. -0.00 min

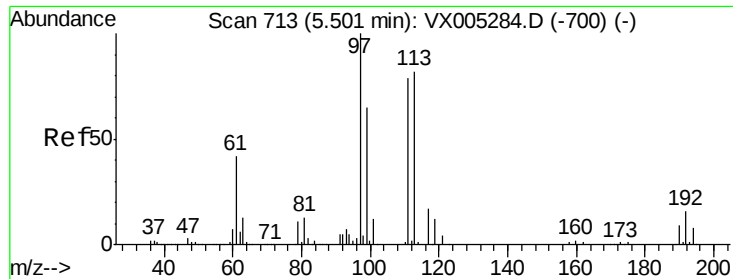
Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion: 114 Resp: 407395

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	39.0
88	15.6	0.0	30.4





#35

Dibromofluoromethane

Concen: 14.21 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

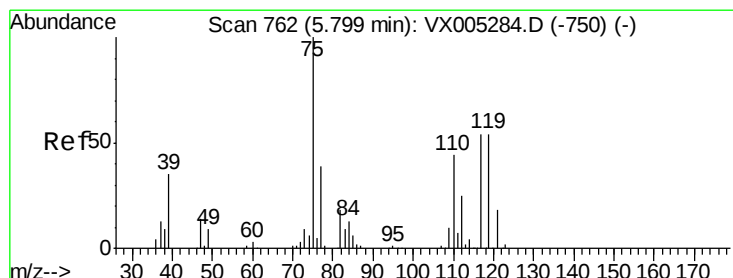
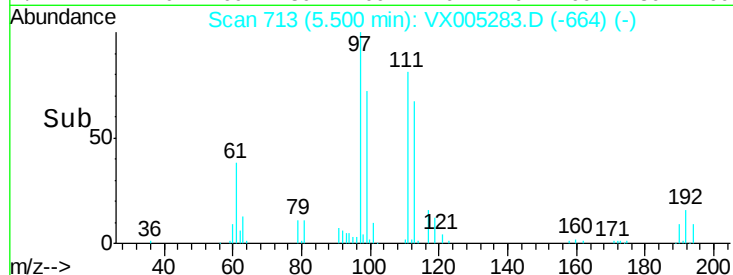
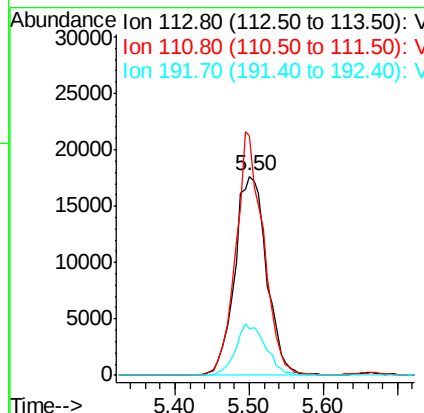
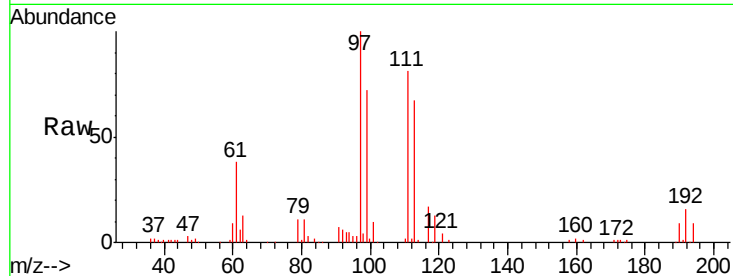
ClientSampleId :

VSTDIC020

Tgt Ion:	113	Resp:	52966
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.4	123.6
192	24.4	19.4	29.2

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#36

1,1-Dichloropropene

Concen: 15.66 ug/l

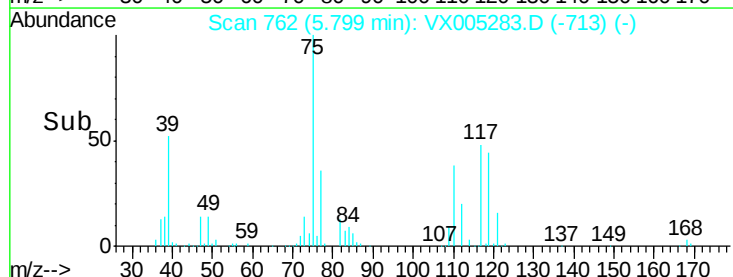
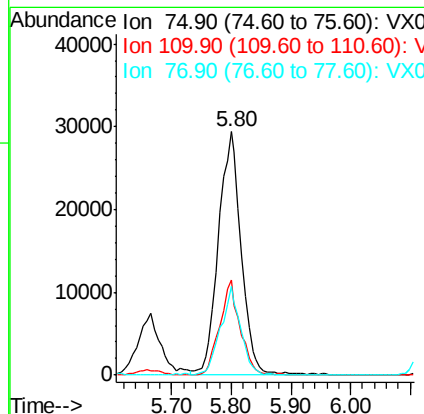
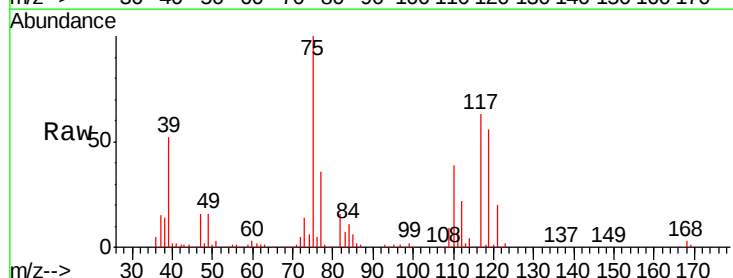
RT: 5.80 min Scan# 762

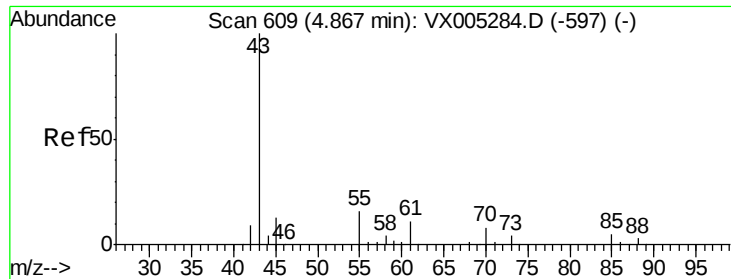
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	75	Resp:	77472
Ion	Ratio	Lower	Upper
75	100		
110	35.0	18.0	54.0
77	32.6	24.6	36.8





#37

Ethyl Acetate

Concen: 17.49 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

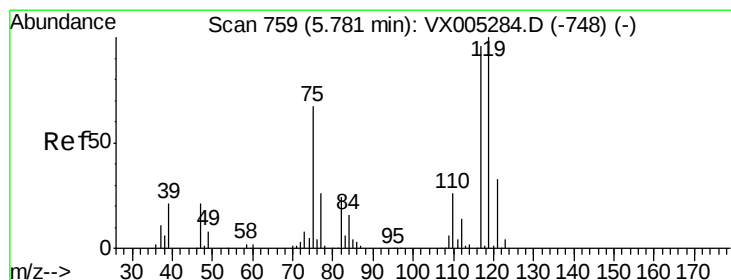
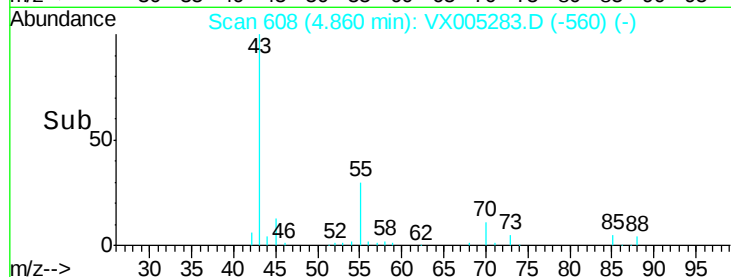
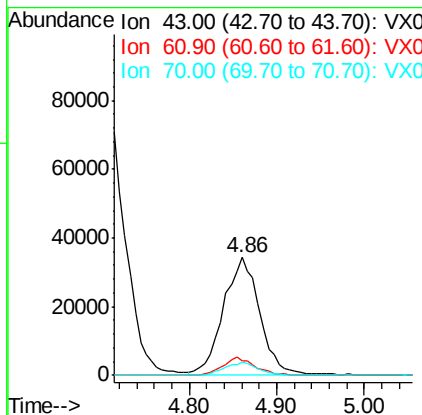
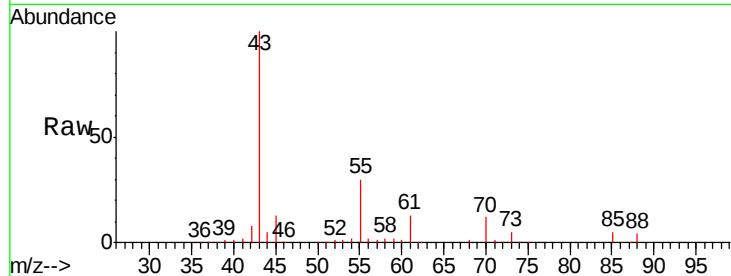
ClientSampleId :

VSTDIC020

Tgt Ion:	43	Resp:	98378
Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.5	17.3
70	10.5	9.0	13.6

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#38

Carbon Tetrachloride

Concen: 15.99 ug/l

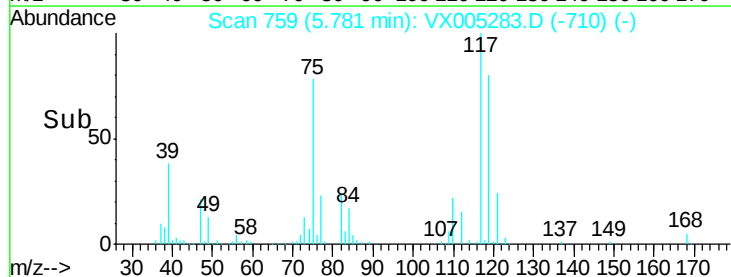
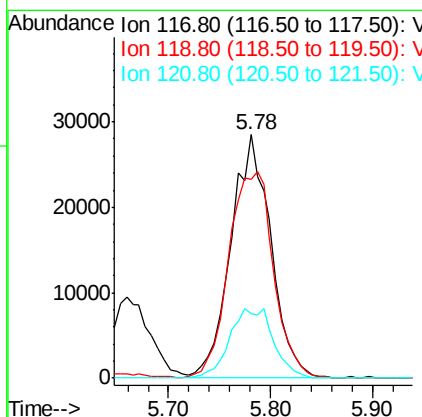
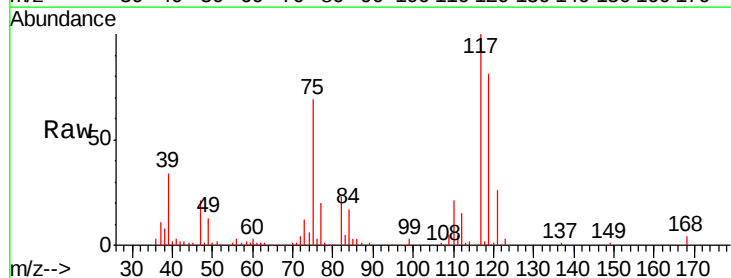
RT: 5.78 min Scan# 759

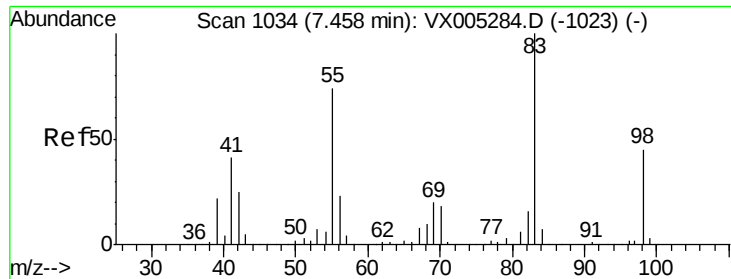
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	117	Resp:	77257
Ion	Ratio	Lower	Upper
117	100		
119	81.4	78.8	118.2
121	26.4	24.9	37.3





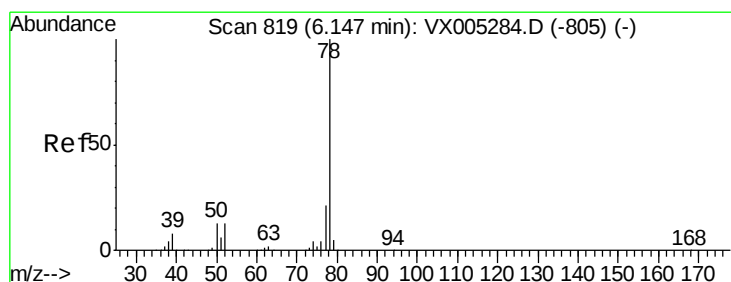
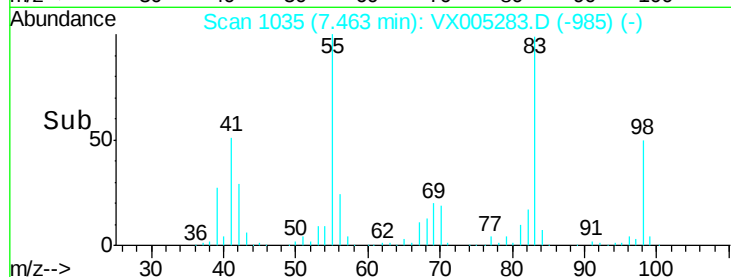
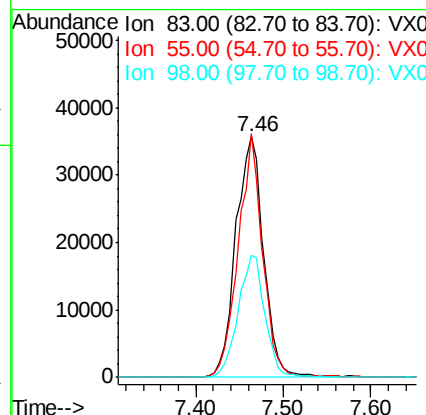
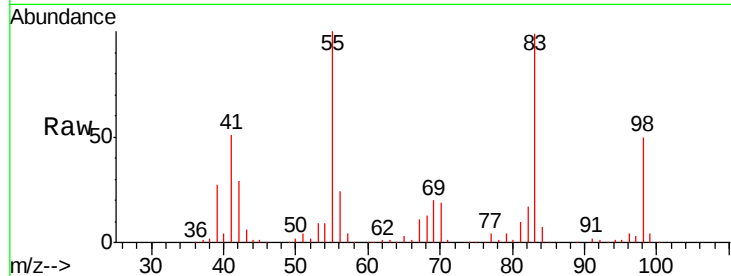
#39
Methylcyclohexane
Concen: 15.27 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	101.1	61.0	91.4#
98	50.6	39.6	59.4

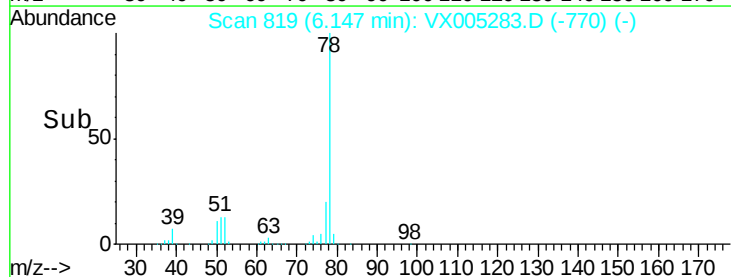
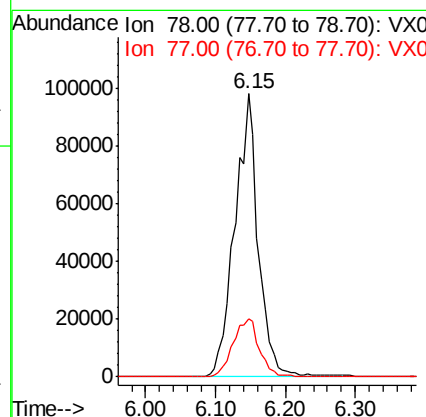
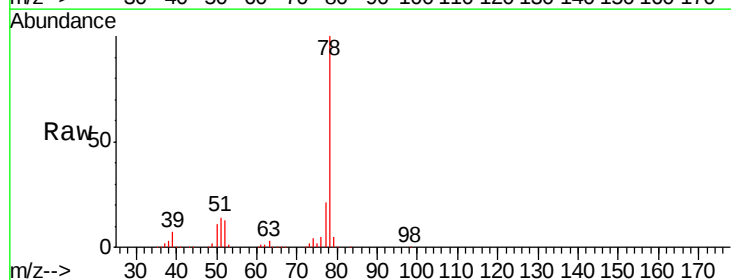
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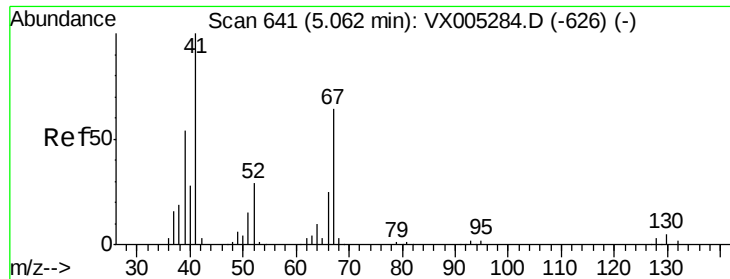
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#40
Benzene
Concen: 15.64 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.4





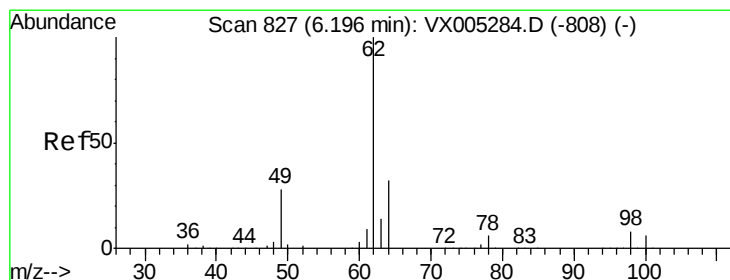
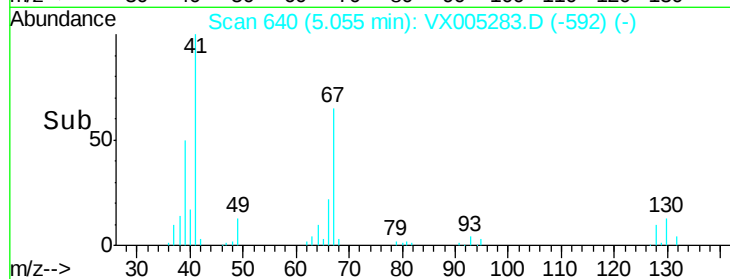
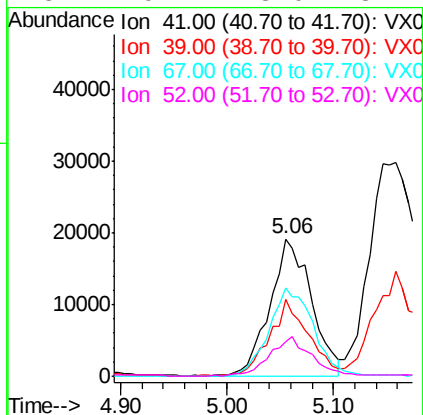
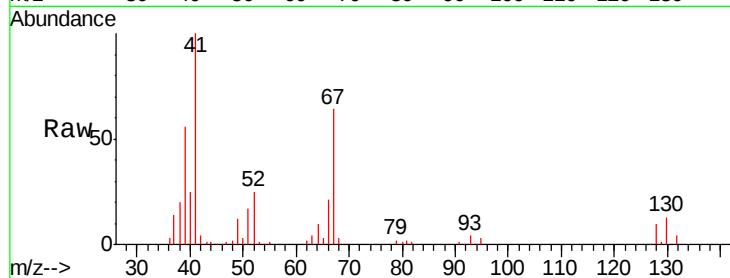
#41
Methacrylonitrile
Concen: 16.77 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.3	42.4	63.6	
67	68.7	59.2	88.8	
52	29.1	23.0	34.4	

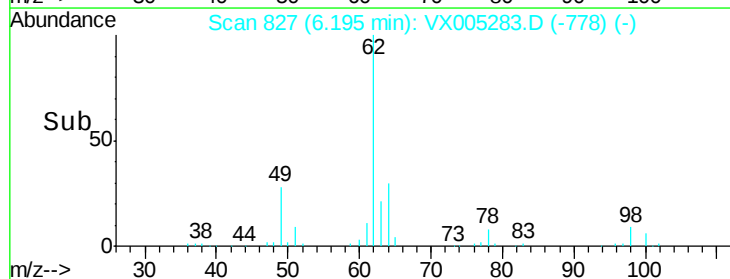
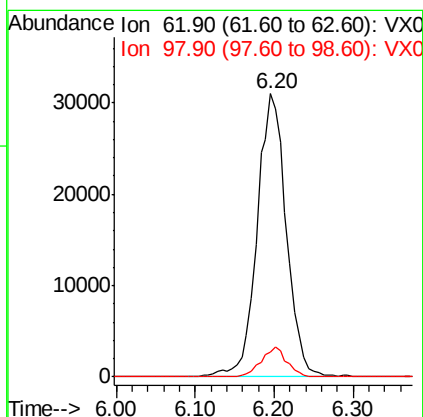
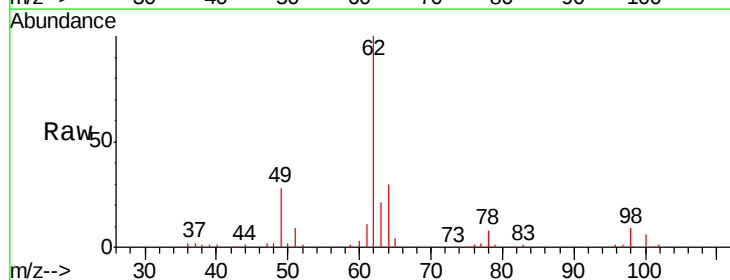
Manual Integrations
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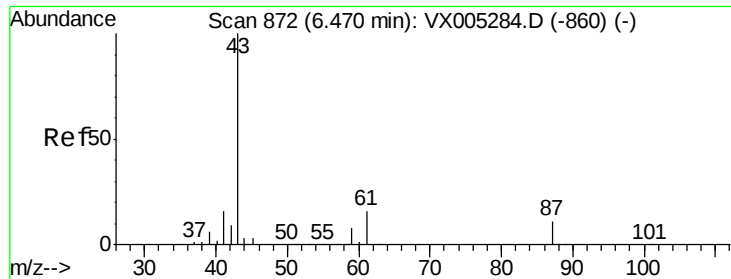
MMDadoda
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#42
1,2-Dichloroethane
Concen: 16.37 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	0.0	20.6	





#43

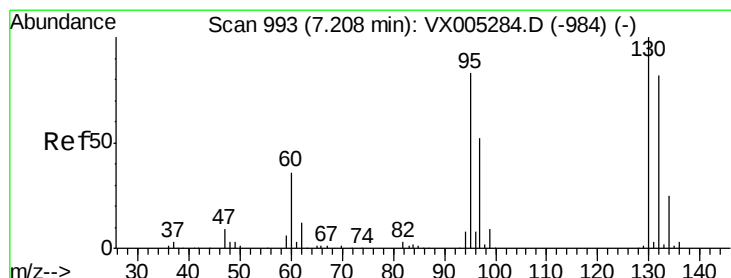
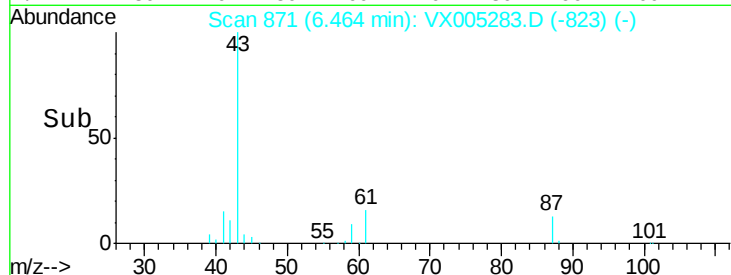
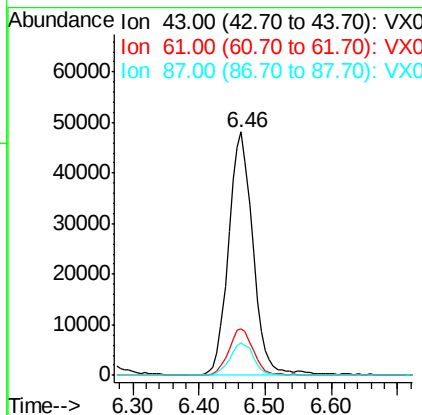
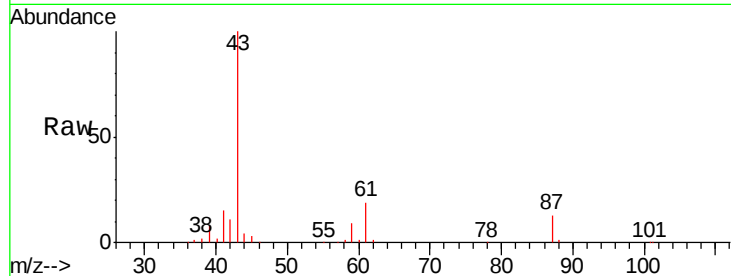
Isopropyl Acetate
 Concen: 16.39 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.5	17.0	25.4
87	13.1	11.4	17.2

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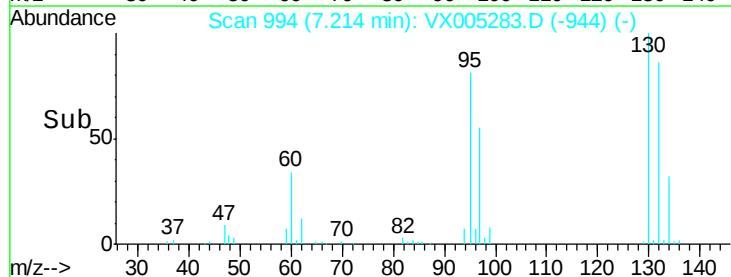
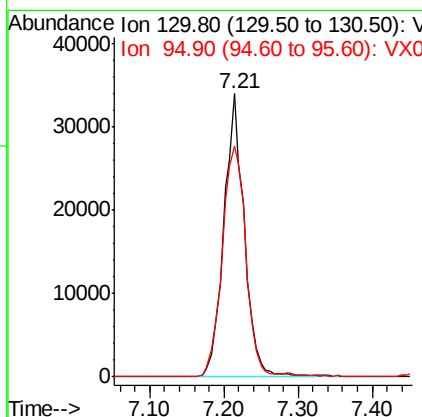
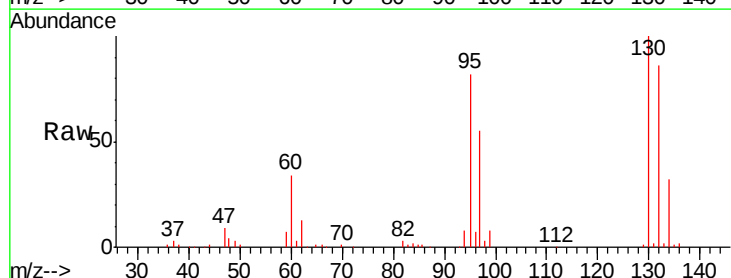
MMDadoda
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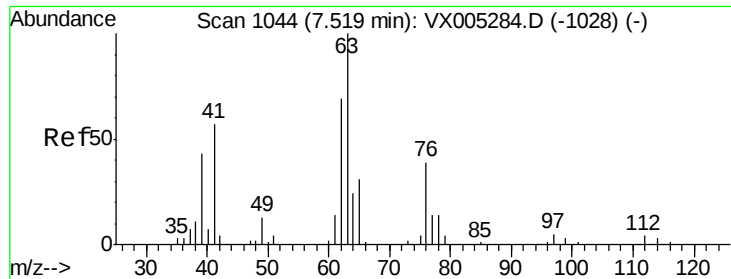


#44

Trichloroethene
 Concen: 17.10 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	181.6





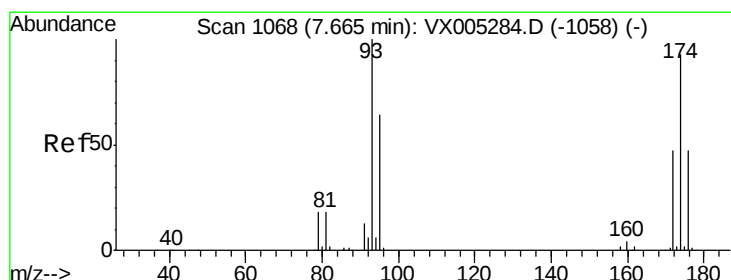
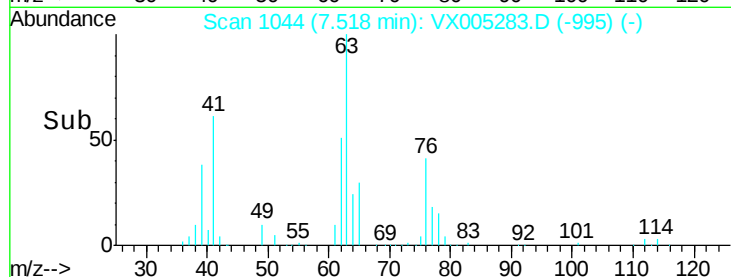
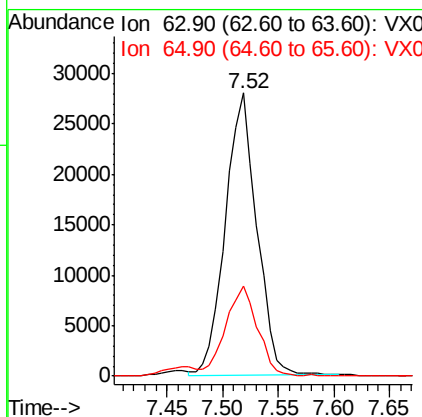
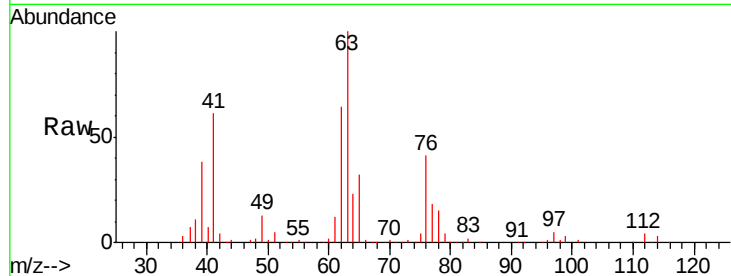
#45
 1,2-Dichloropropane
 Concen: 15.55 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion: 63 Resp: 54914
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.3 36.5

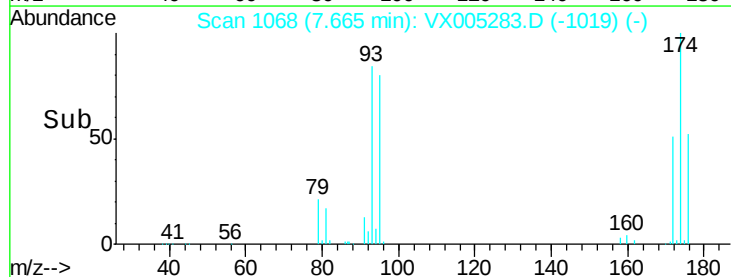
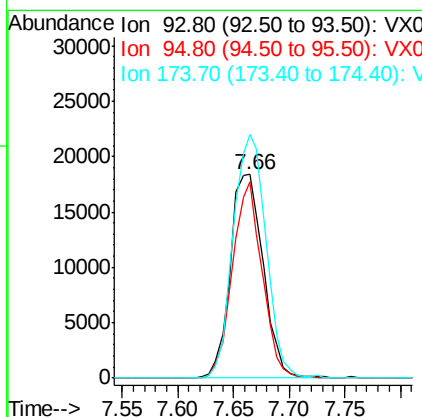
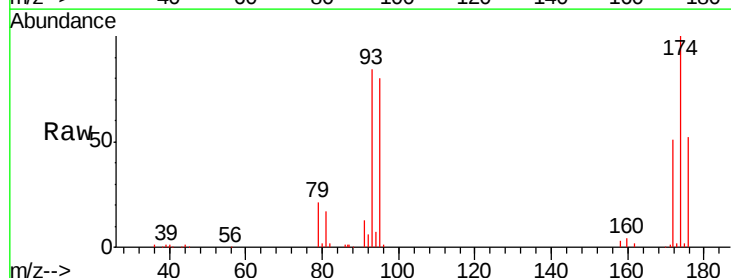
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#46
 Dibromomethane
 Concen: 16.95 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion: 93 Resp: 37808
 Ion Ratio Lower Upper
 93 100
 95 86.6 65.5 98.3
 174 119.4 94.2 141.4





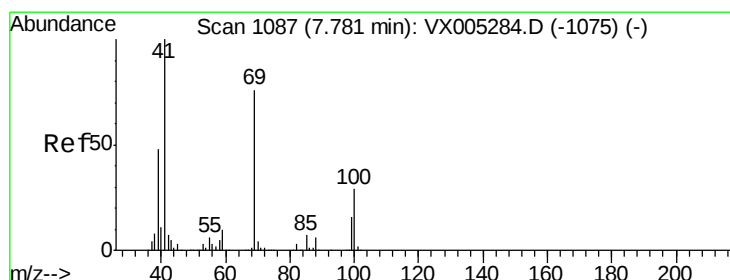
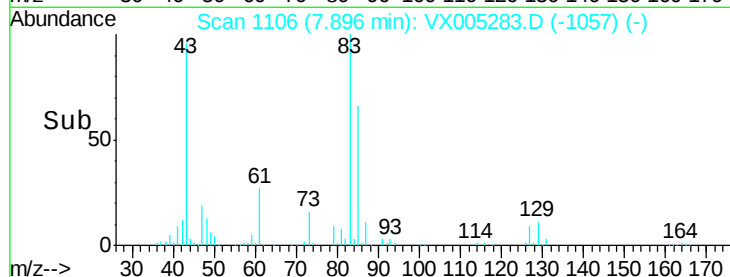
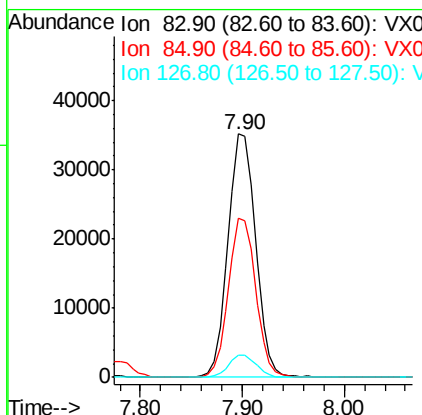
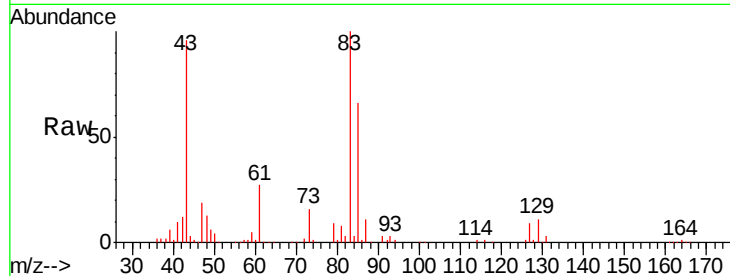
#47
Bromodichloromethane
Concen: 15.67 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	50.9	76.3
127	9.0	7.3	10.9

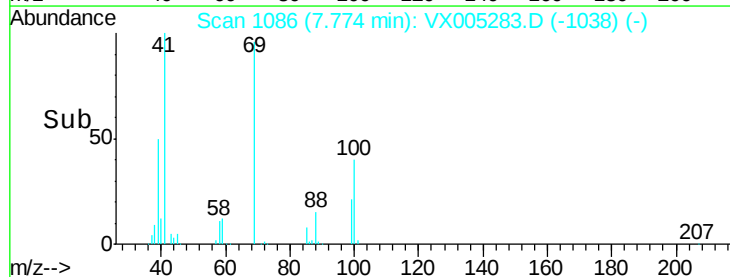
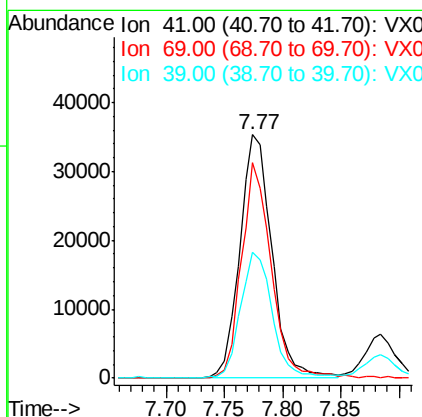
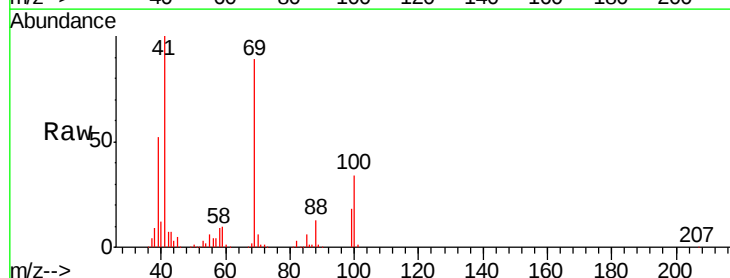
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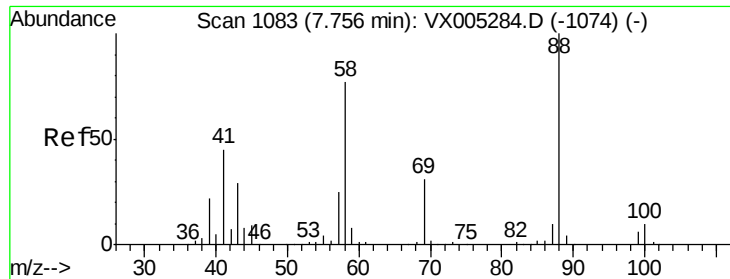
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#48
Methyl methacrylate
Concen: 18.24 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.0	70.2	105.4
39	51.5	42.7	64.1





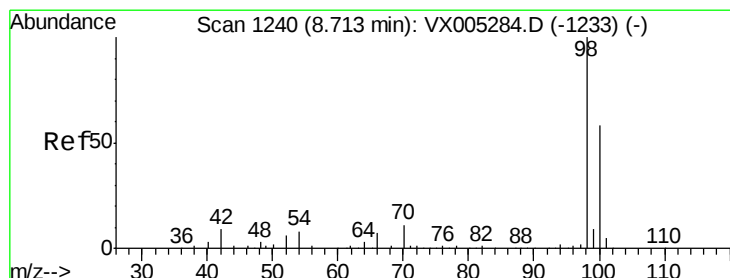
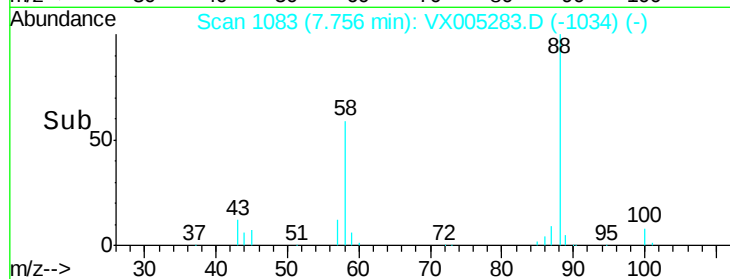
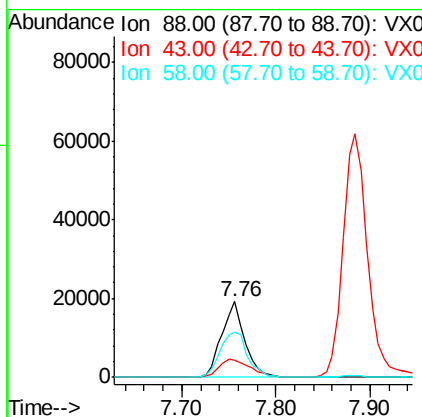
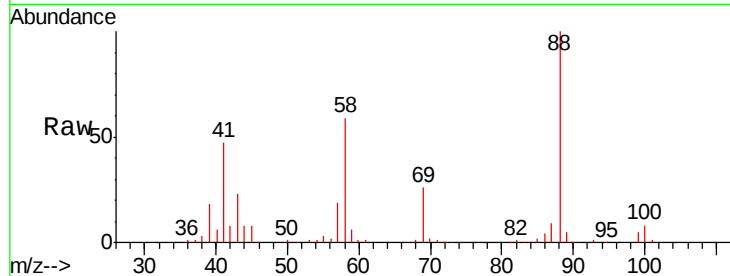
#49
1,4-Dioxane
Concen: 375.29 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.0	24.7	37.1
58	71.7	55.3	82.9

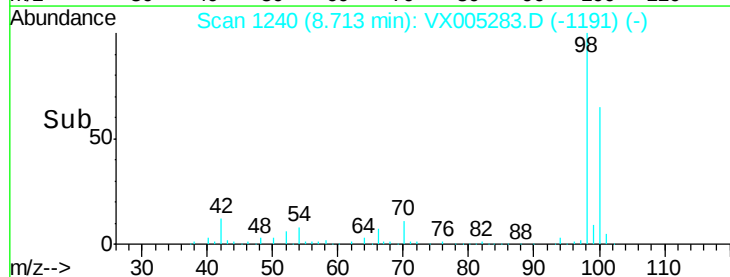
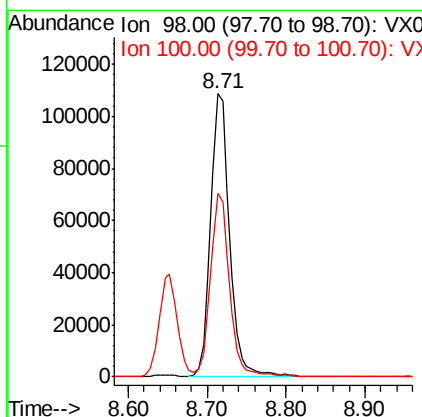
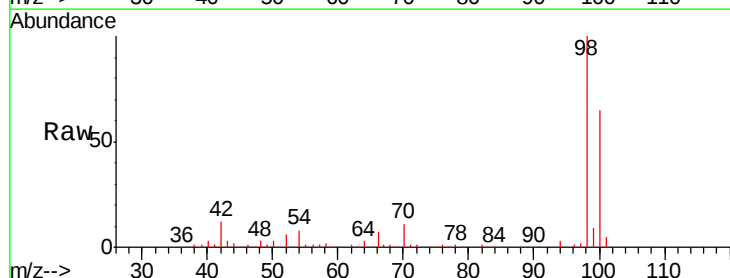
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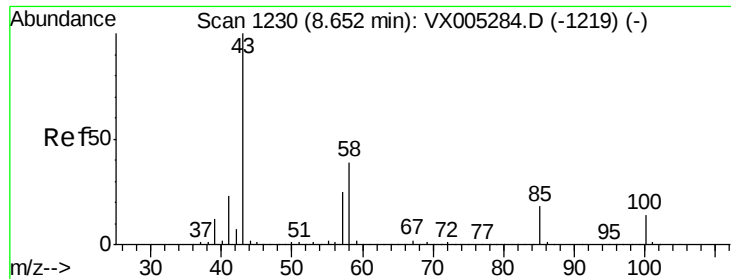
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#50
Toluene-d8
Concen: 14.60 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





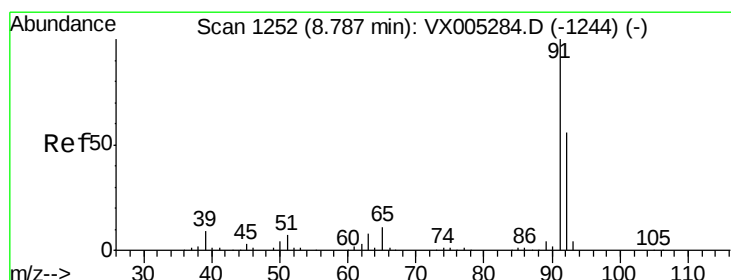
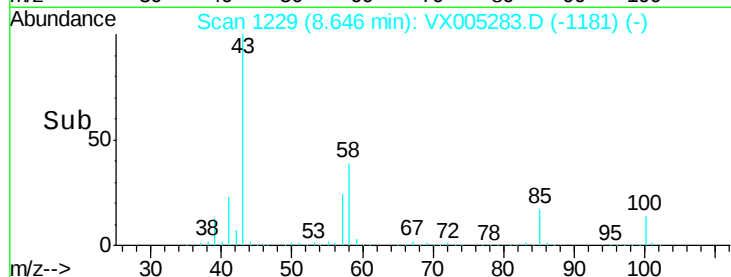
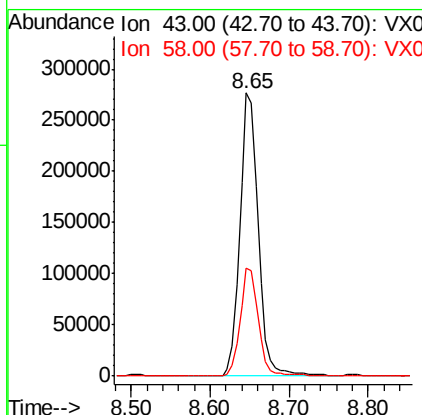
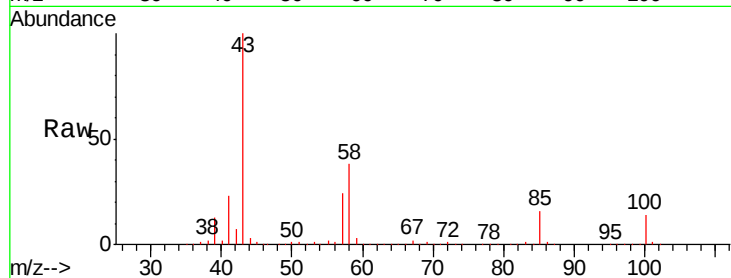
#51
4-Methyl-2-Pentanone
Concen: 85.00 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 448192
Ion Ratio Lower Upper
43 100
58 37.5 33.1 49.7

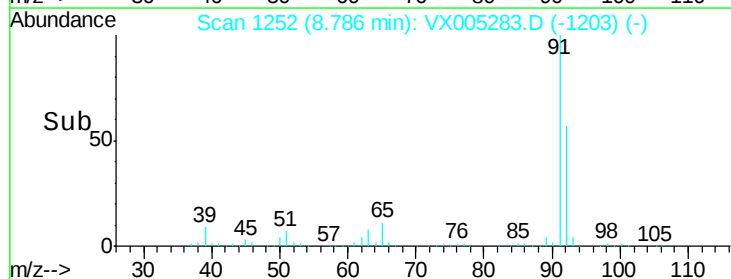
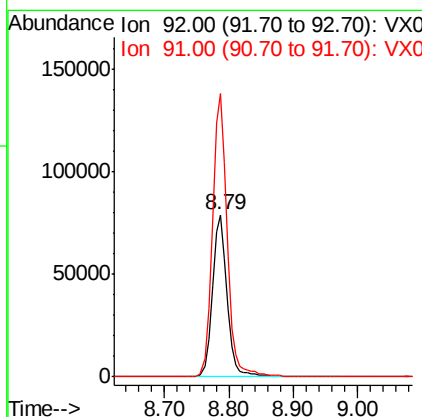
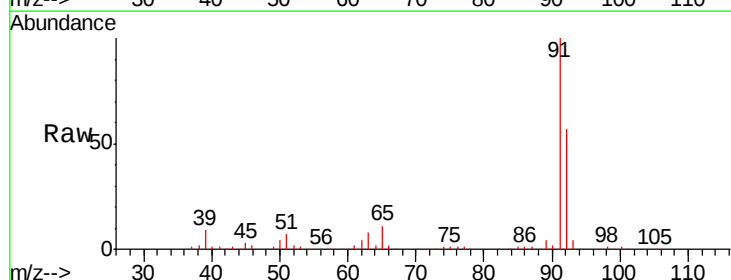
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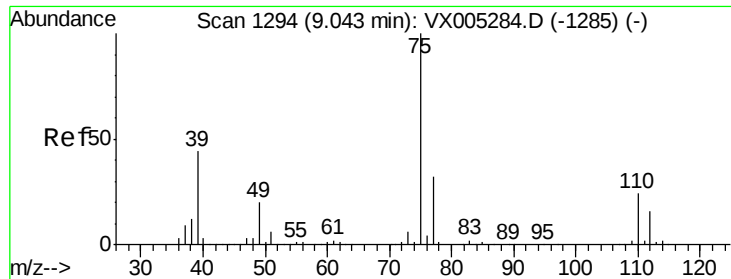
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#52
Toluene
Concen: 14.59 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 92 Resp: 126124
Ion Ratio Lower Upper
92 100
91 176.0 136.4 204.6





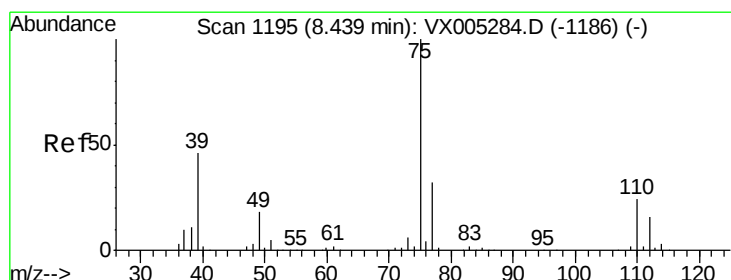
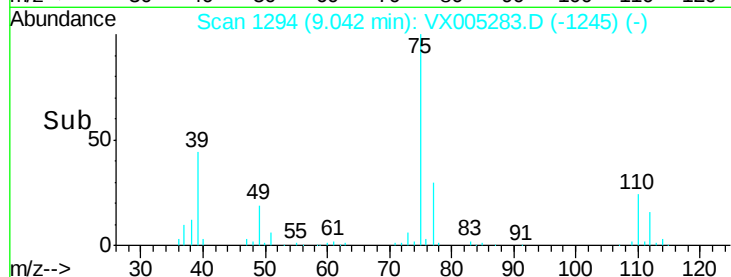
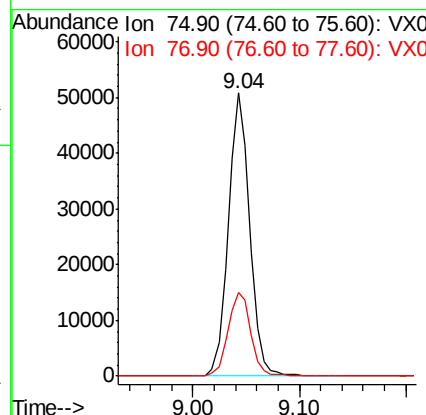
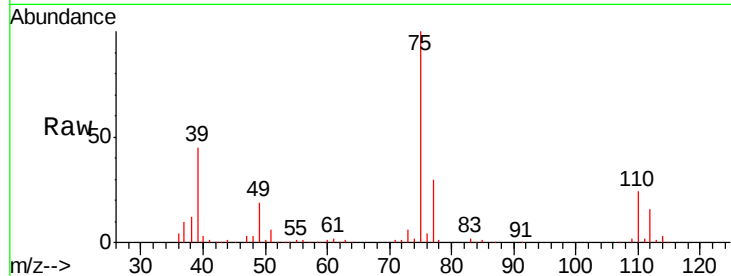
#53
t-1,3-Dichloropropene
Concen: 14.45 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 71230
Ion Ratio Lower Upper
75 100
77 29.8 24.6 37.0

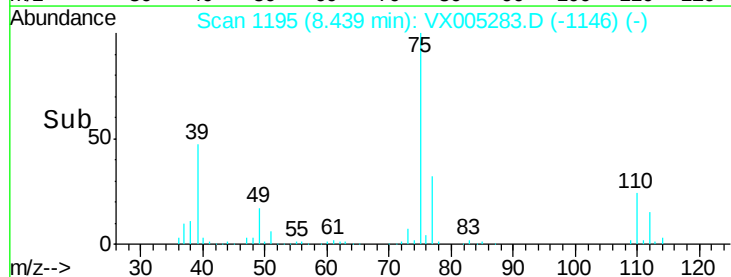
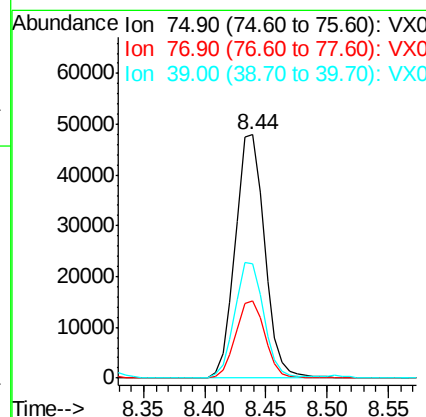
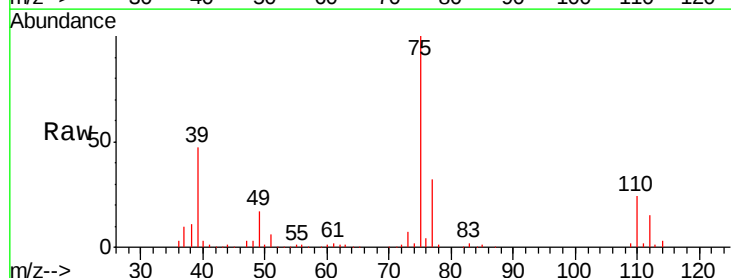
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#54
cis-1,3-Dichloropropene
Concen: 15.88 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 75 Resp: 79773
Ion Ratio Lower Upper
75 100
77 31.8 26.2 39.2
39 46.6 36.4 54.6





#55

1,1,2-Trichloroethane

Concen: 14.02 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

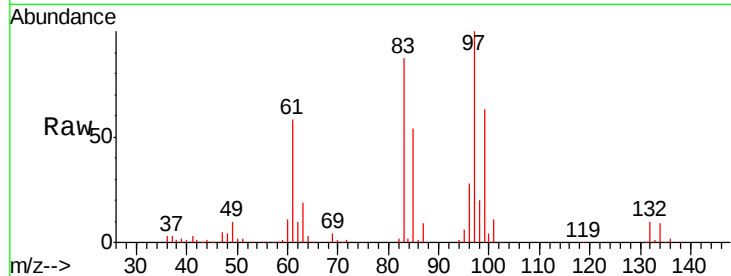
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.1	66.4	99.6
85	54.5	43.3	64.9
99	62.9	49.0	73.4

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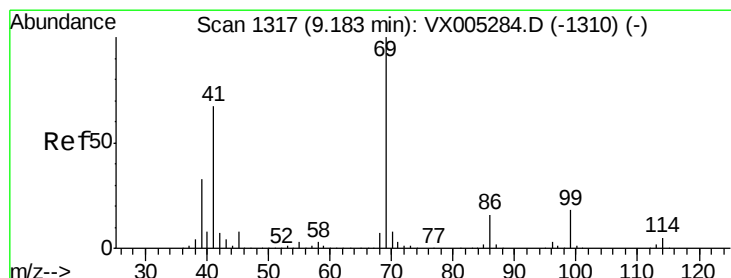
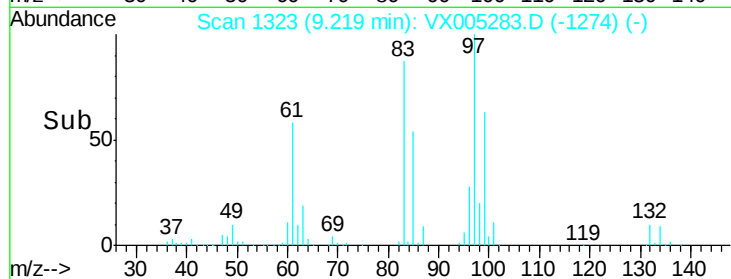
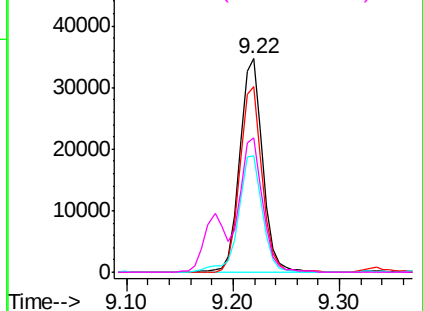
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 14.16 ug/l

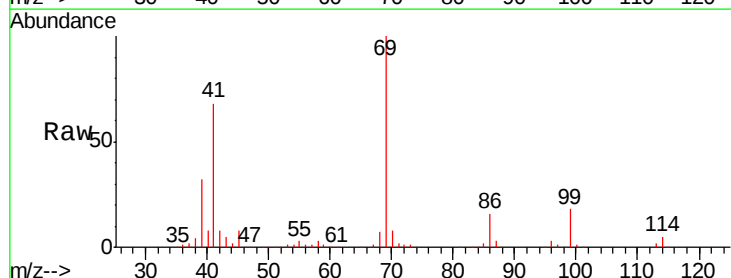
RT: 9.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.8	51.0	76.4
39	33.8	26.1	39.1

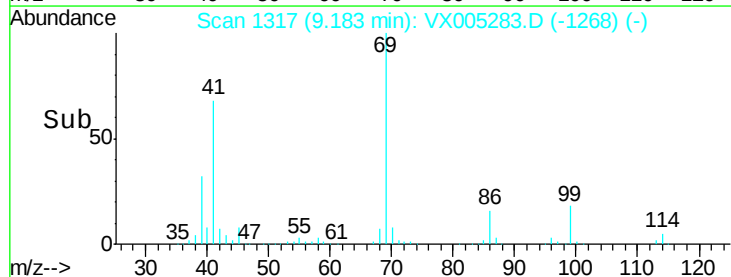
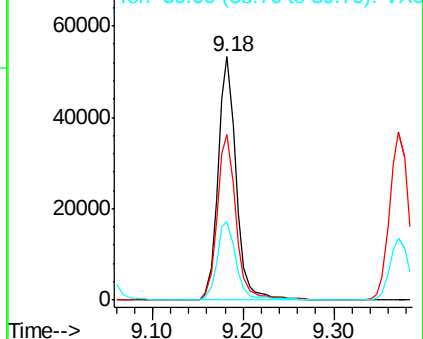


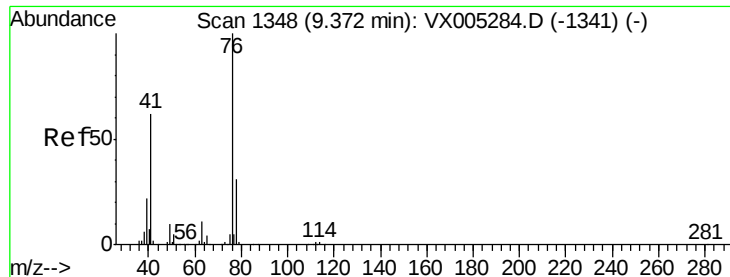
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 14.39 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 87037

Ion Ratio Lower Upper

76 100

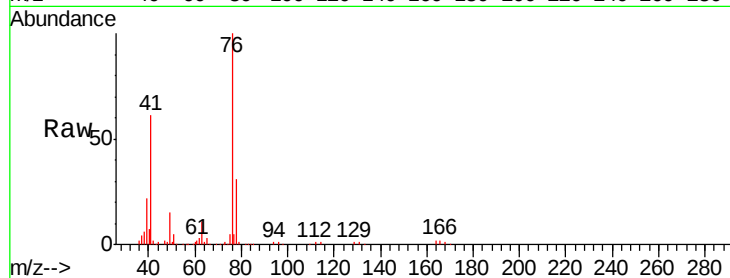
78 32.0 25.5 38.3

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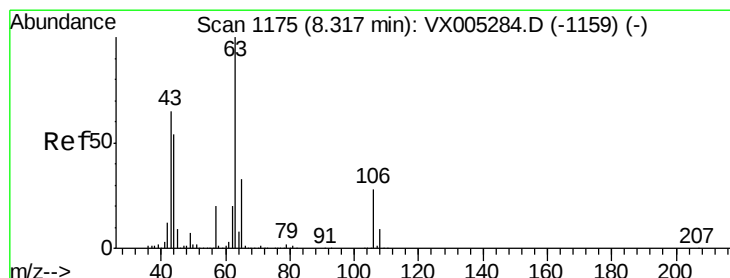
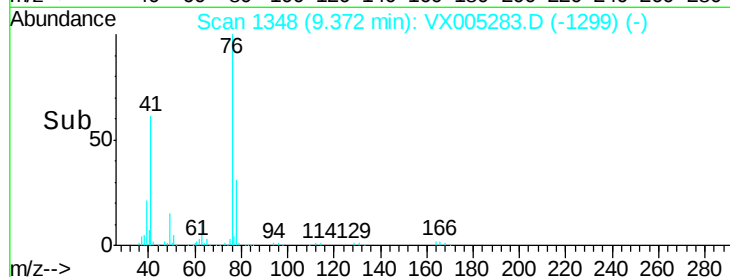
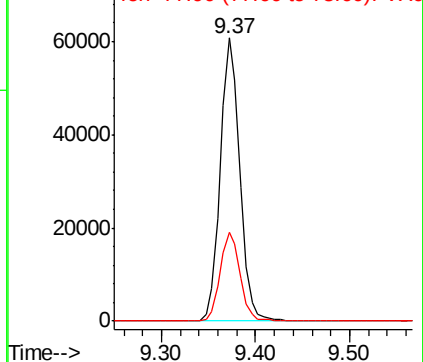
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 91.72 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005283.D

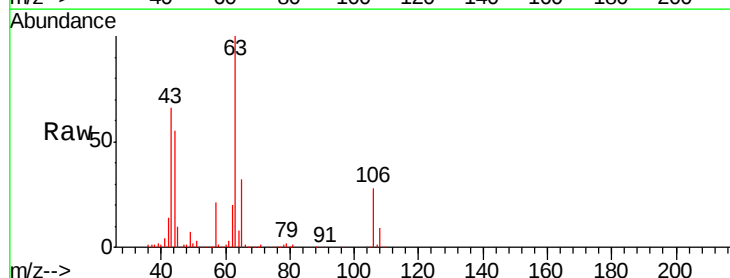
Acq: 12 Oct 2018 09:39

Tgt Ion: 63 Resp: 221619

Ion Ratio Lower Upper

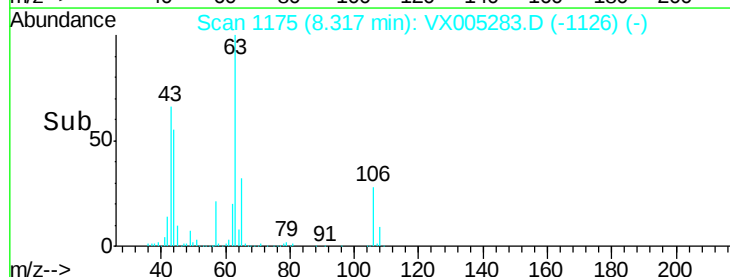
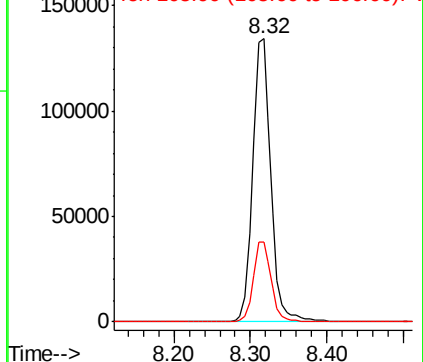
63 100

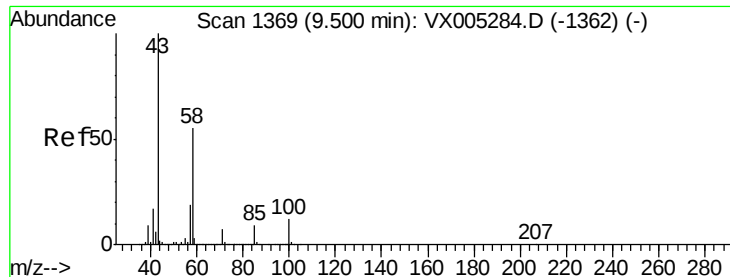
106 28.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





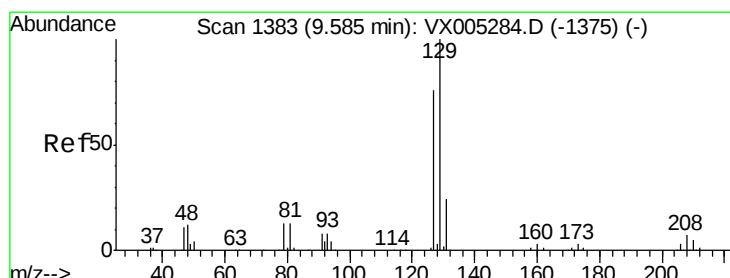
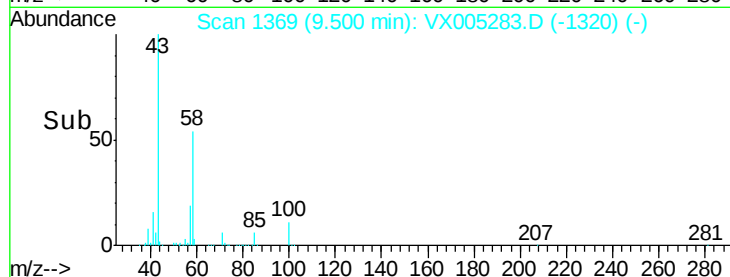
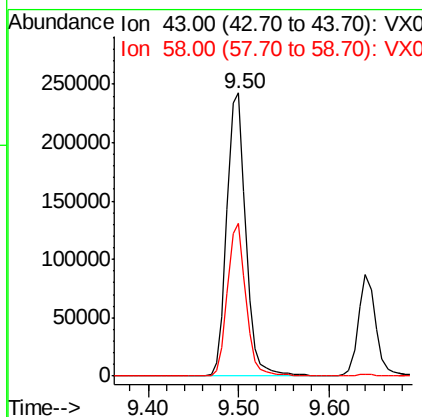
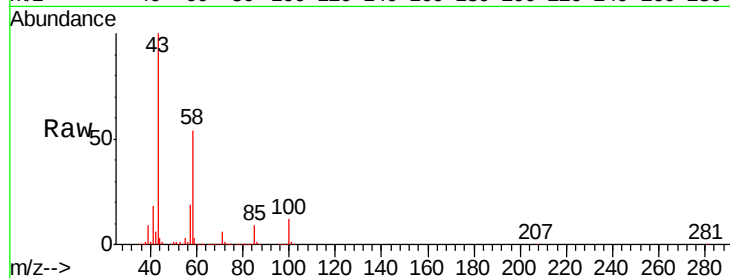
#59
2-Hexanone
Concen: 87.55 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 354097
Ion Ratio Lower Upper
43 100
58 52.7 29.0 87.0

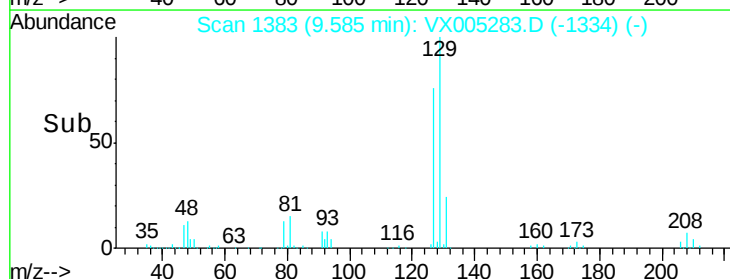
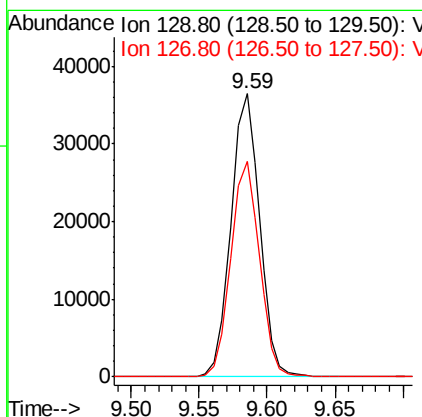
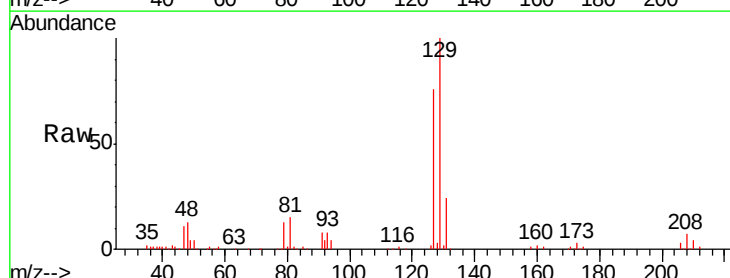
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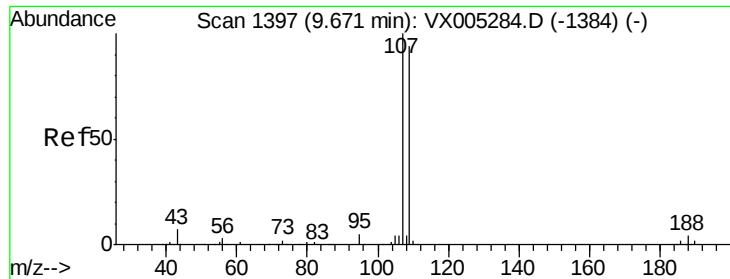
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#60
Dibromochloromethane
Concen: 15.25 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 129 Resp: 53455
Ion Ratio Lower Upper
129 100
127 76.4 38.5 115.5





#61

1,2-Dibromoethane

Concen: 15.47 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 107 Resp: 55013

Ion Ratio Lower Upper

107 100

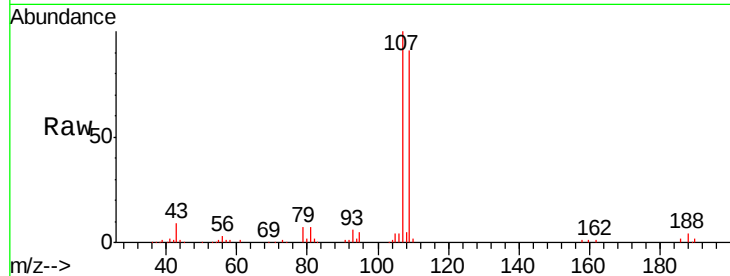
109 93.6 76.0 114.0

Manual Integrations

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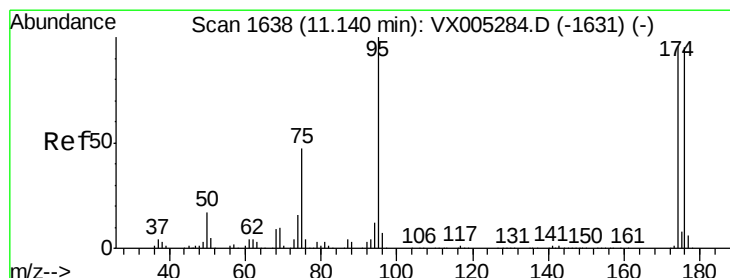
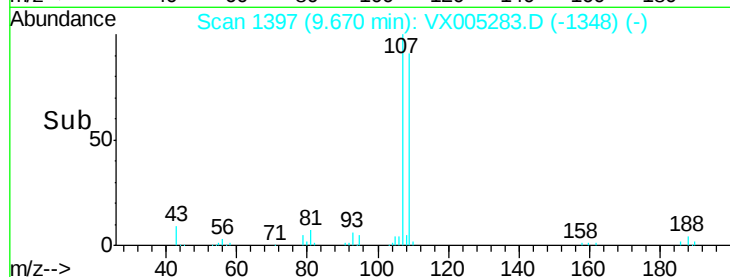
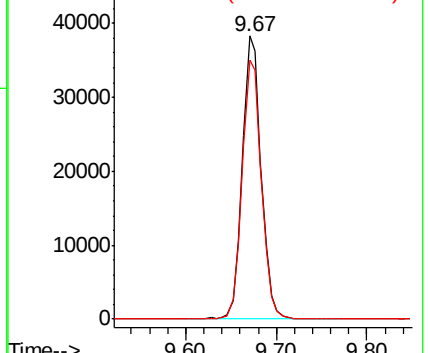
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 14.69 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

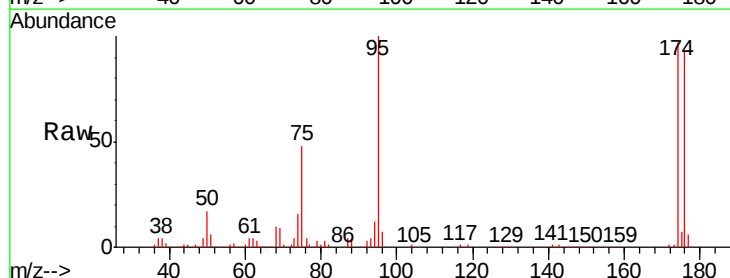
Tgt Ion: 95 Resp: 65546

Ion Ratio Lower Upper

95 100

174 93.8 0.0 185.2

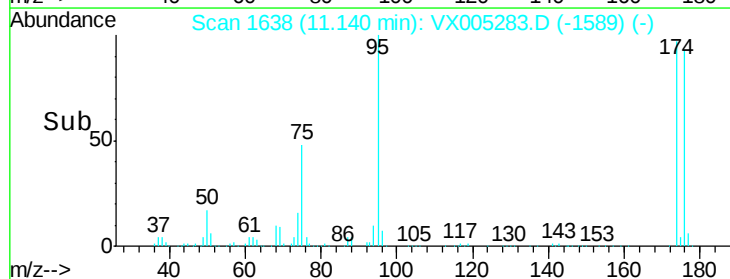
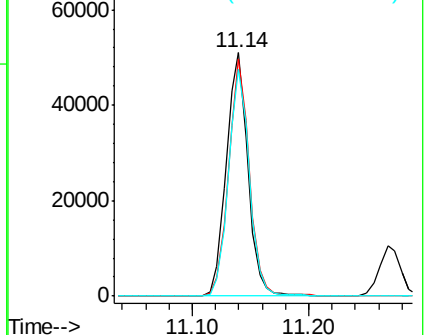
176 91.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





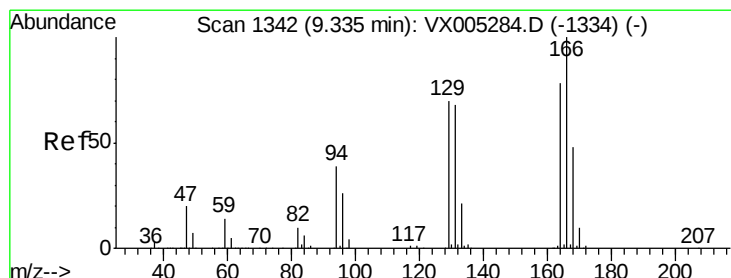
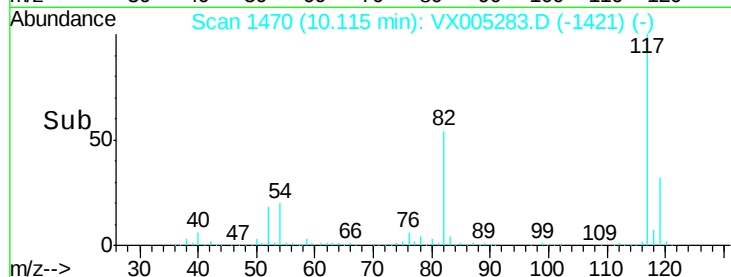
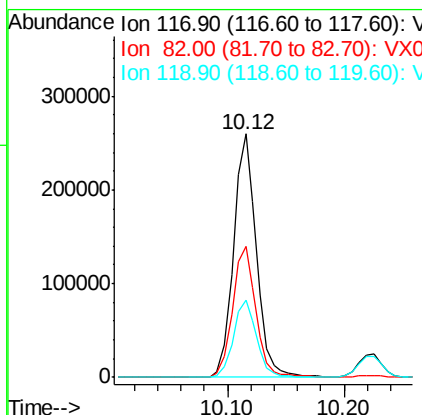
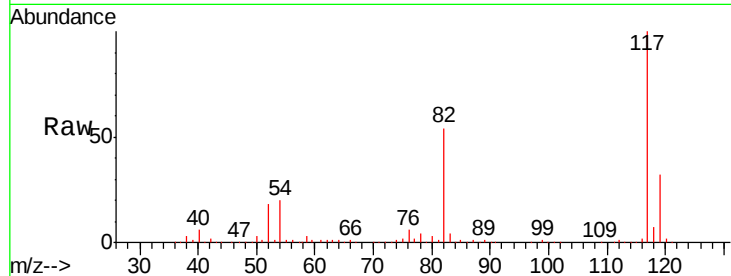
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.8	47.8	71.6
119	31.7	29.3	43.9

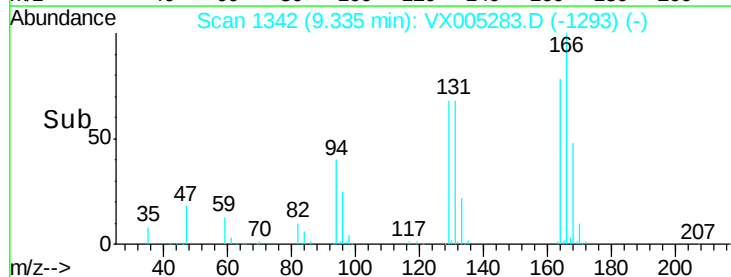
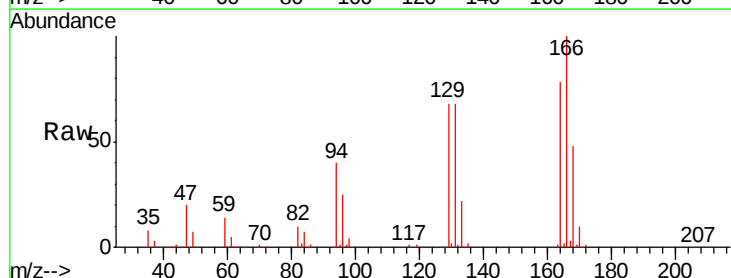
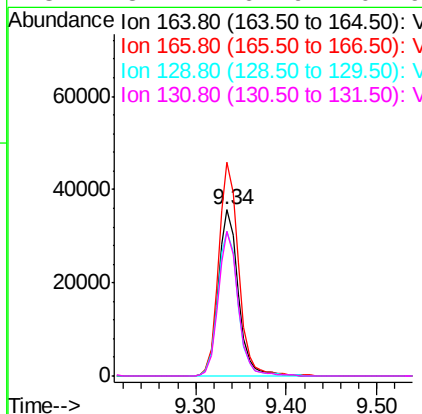
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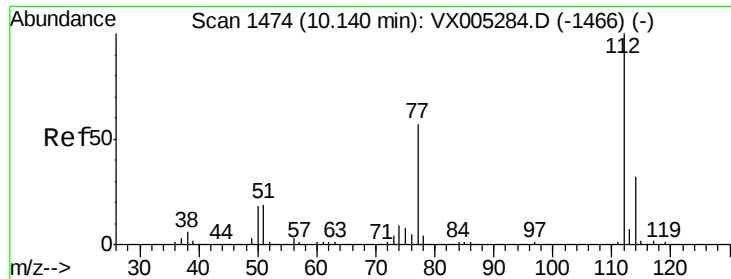
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#64
Tetrachloroethene
Concen: 12.53 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	87.1	69.4	104.0
131	87.1	67.9	101.9





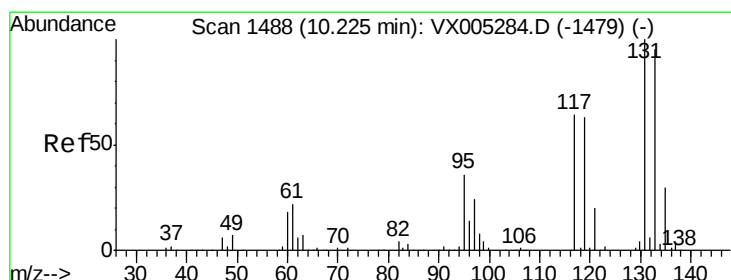
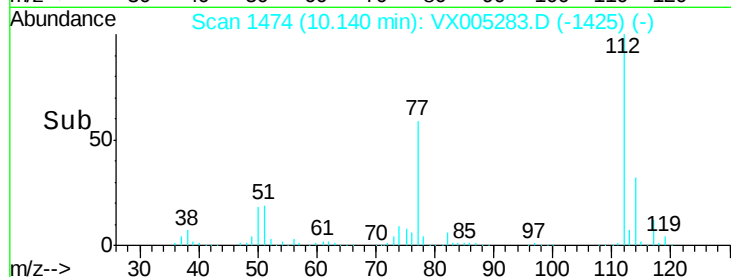
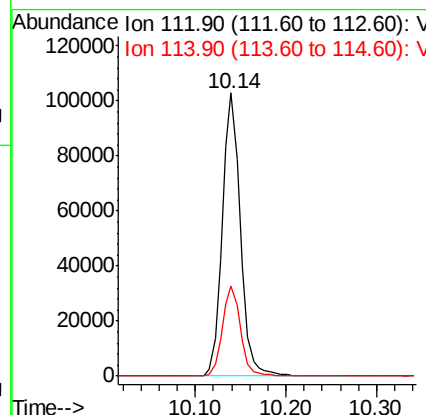
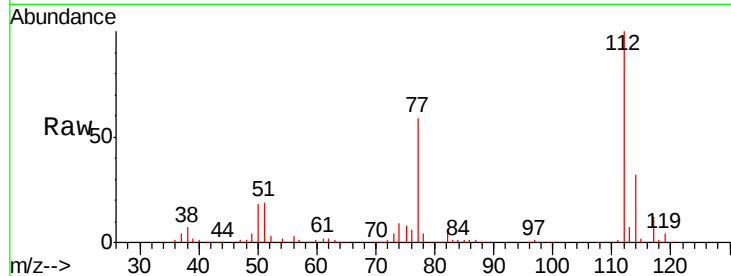
#65
Chlorobenzene
Concen: 16.36 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 143930
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8

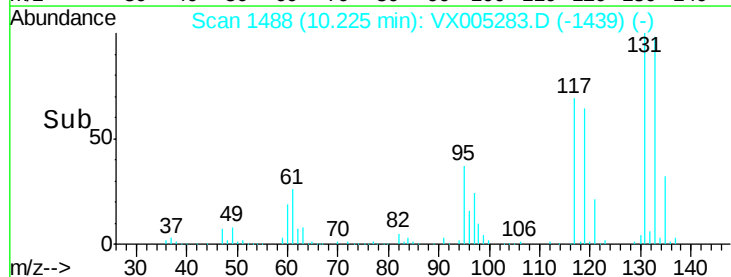
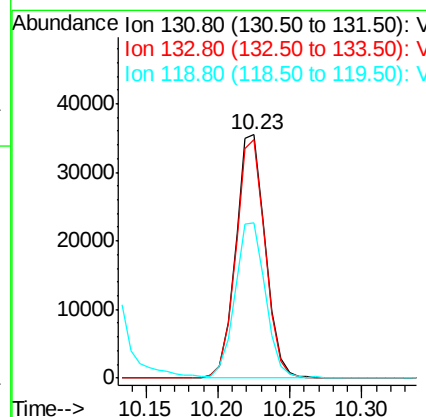
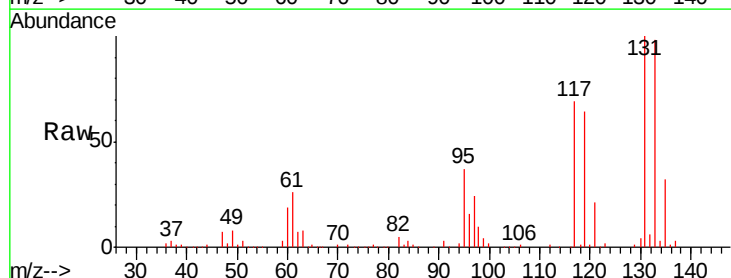
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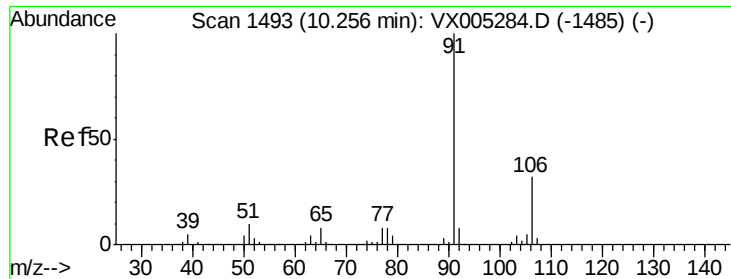
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#66
1,1,1,2-Tetrachloroethane
Concen: 16.78 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion:131 Resp: 50923
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.4
119 65.8 32.9 98.6





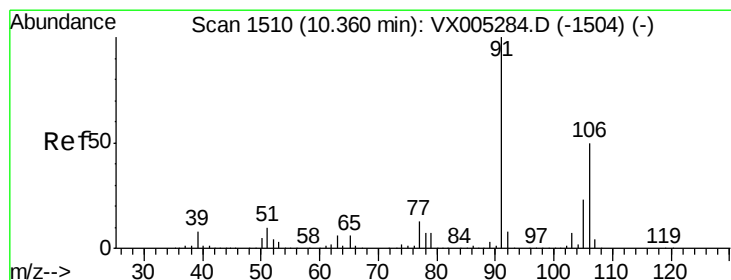
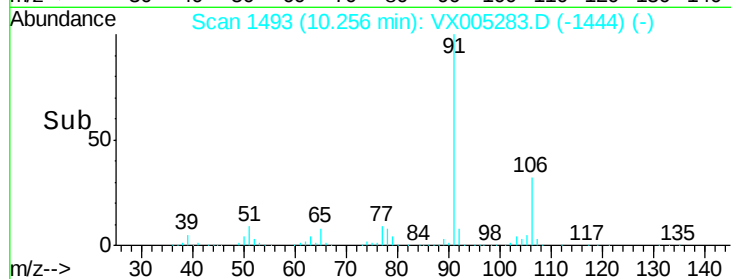
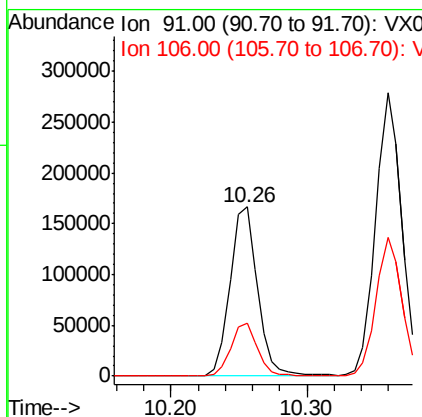
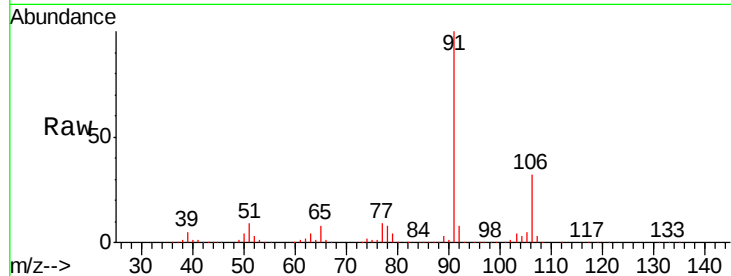
#67
Ethyl Benzene
Concen: 16.42 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 234882
Ion Ratio Lower Upper
91 100
106 31.7 25.9 38.9

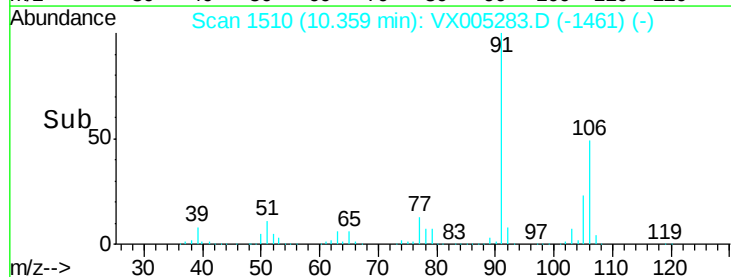
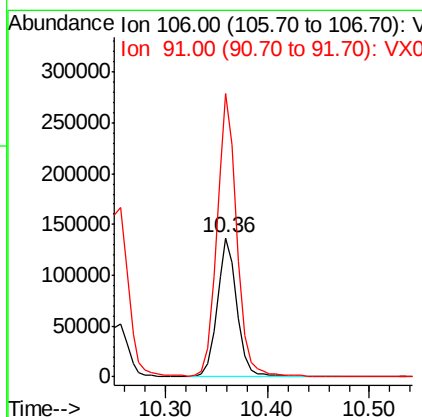
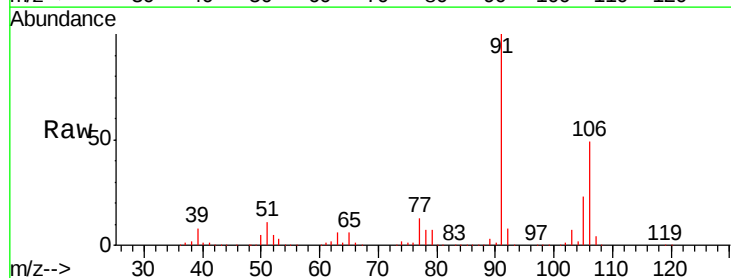
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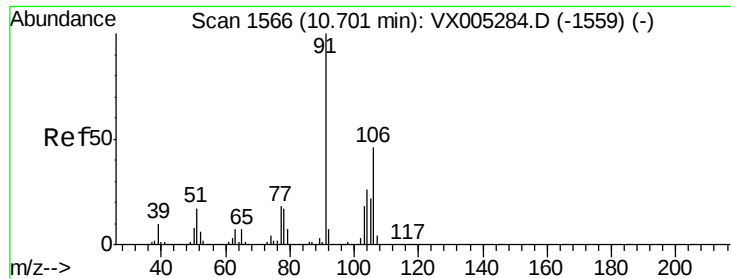
MMDadoda
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#68
m/p-Xylenes
Concen: 33.56 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion: 106 Resp: 184974
Ion Ratio Lower Upper
106 100
91 206.8 157.1 235.7





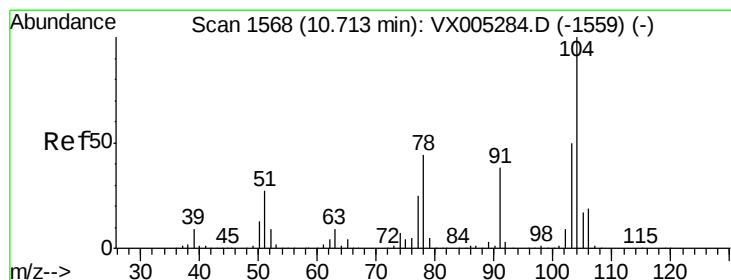
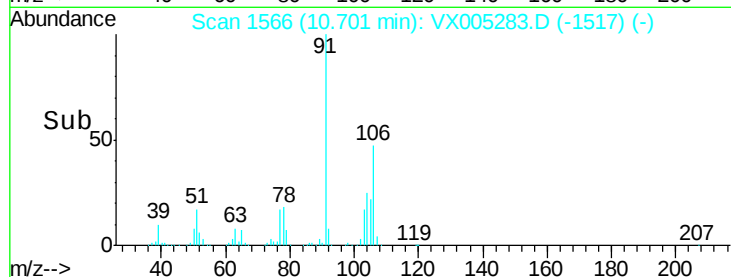
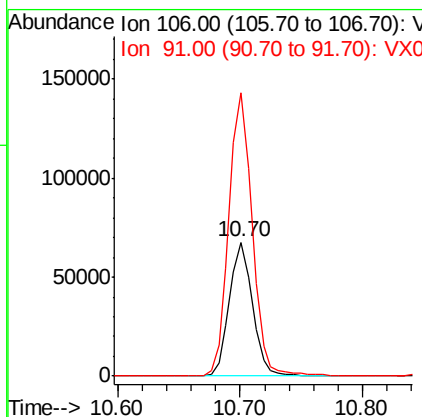
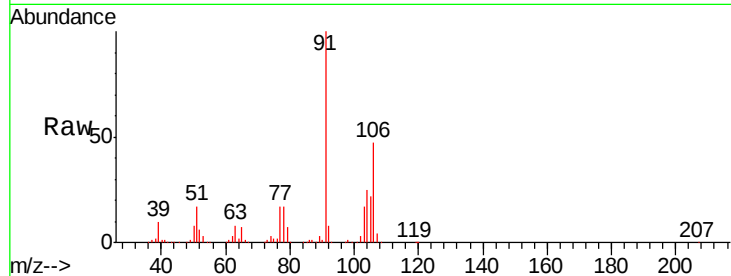
#69
o-Xylene
Concen: 16.73 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 88647
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1

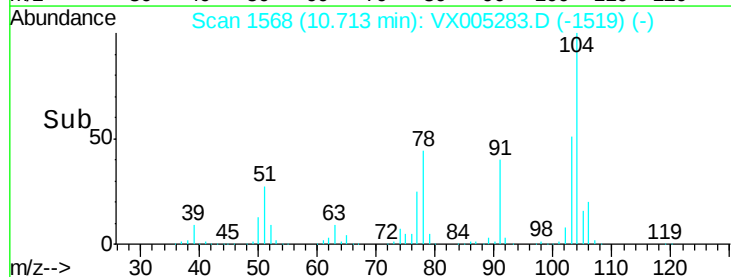
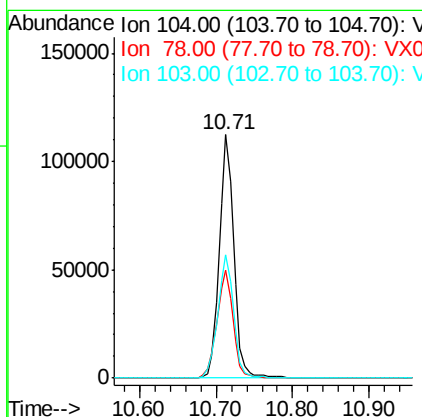
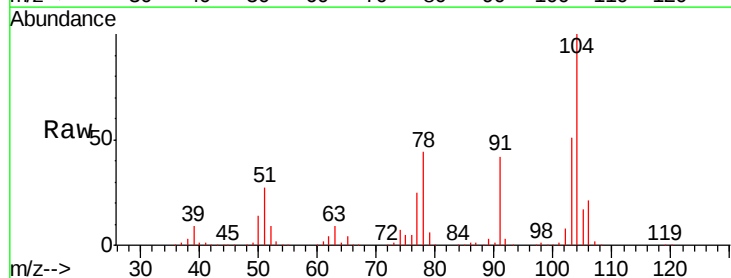
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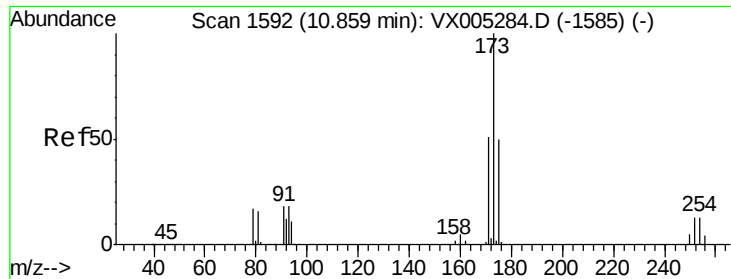
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#70
Styrene
Concen: 16.93 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion:104 Resp: 148598
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.0 43.8 65.6





#71

Bromoform

Concen: 17.32 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

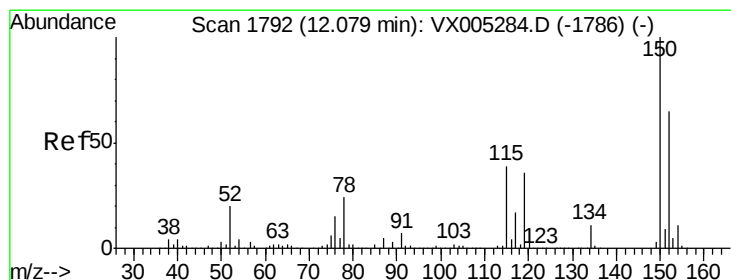
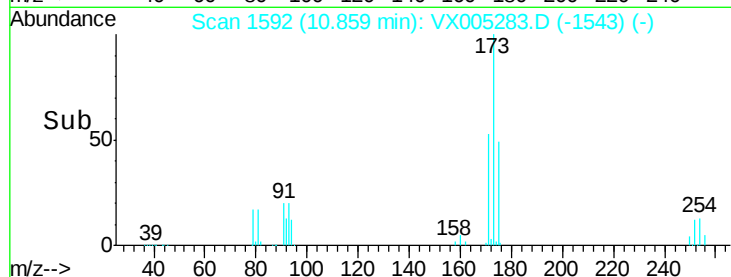
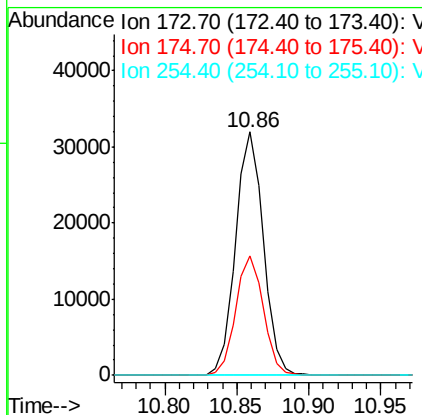
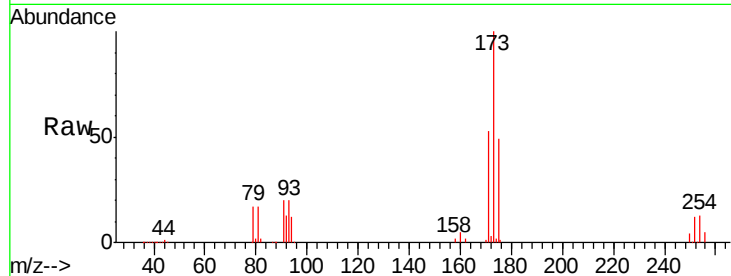
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

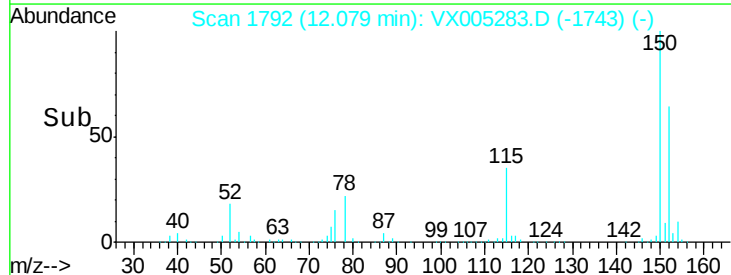
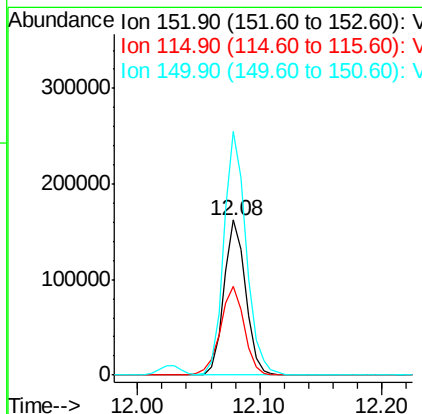
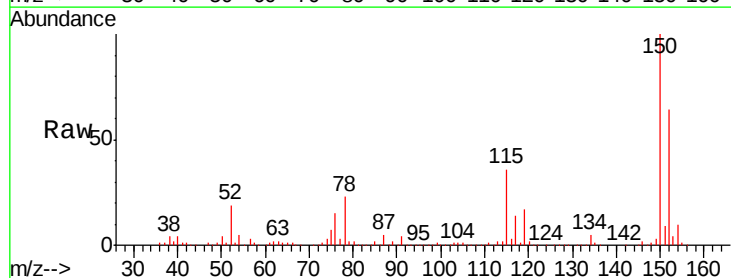
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	39.0	117.0
150	162.4	0.0	351.0





#73

Isopropylbenzene

Concen: 18.47 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 105 Resp: 240508

Ion Ratio Lower Upper

105 100

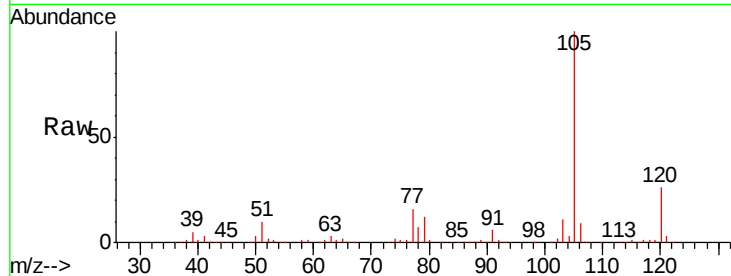
120 26.6 13.5 40.4

Manual Integrations

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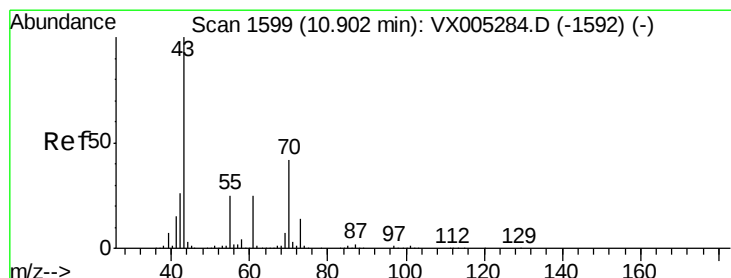
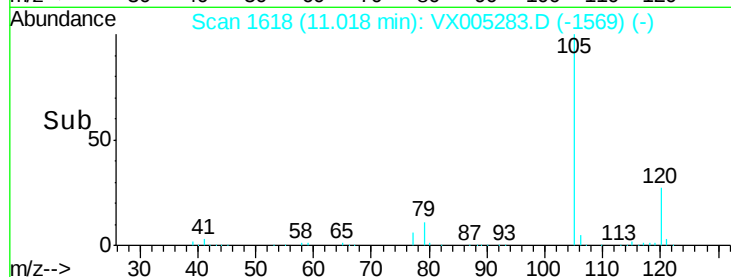
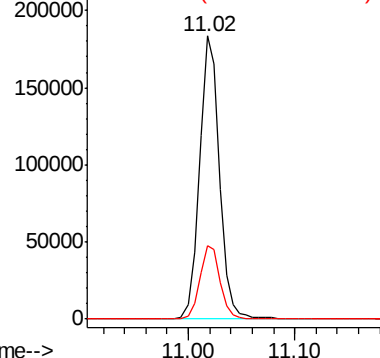
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.85 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion: 43 Resp: 108832

Ion Ratio Lower Upper

43 100

70 41.1 37.4 56.0

55 27.0 21.8 32.8

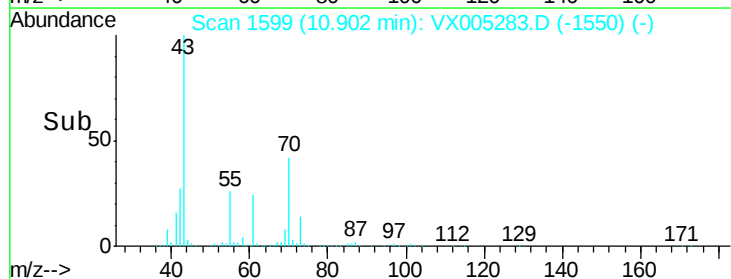
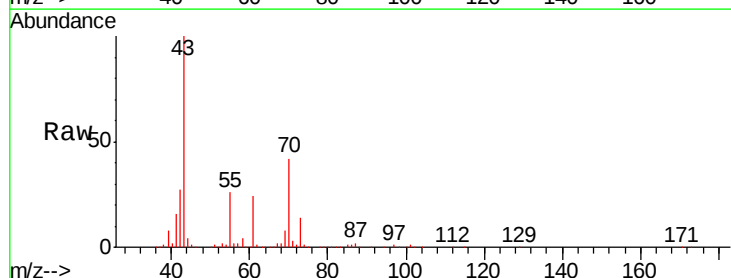
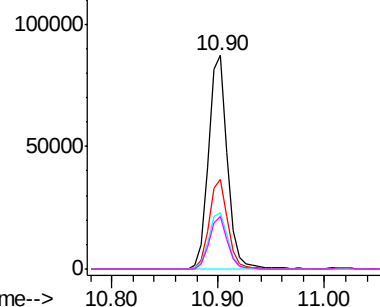
61 23.7 20.6 30.8

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

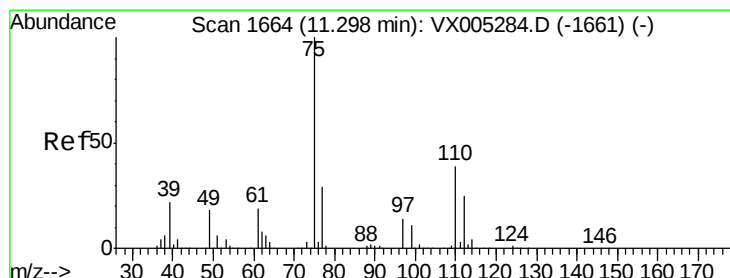
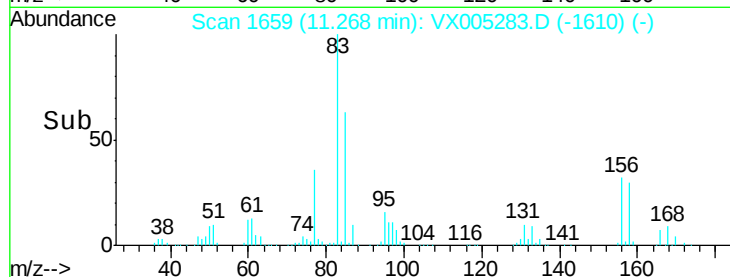
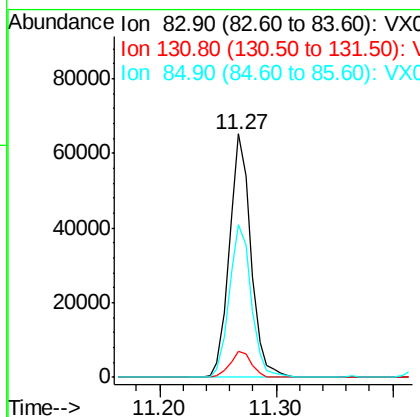
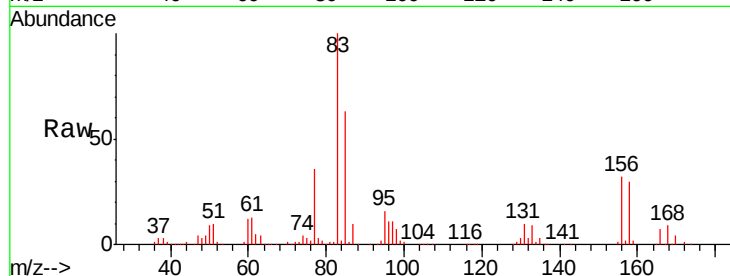
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	83912
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.5	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 18.85 ug/l m

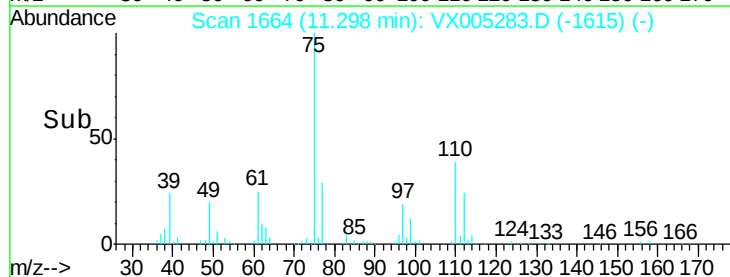
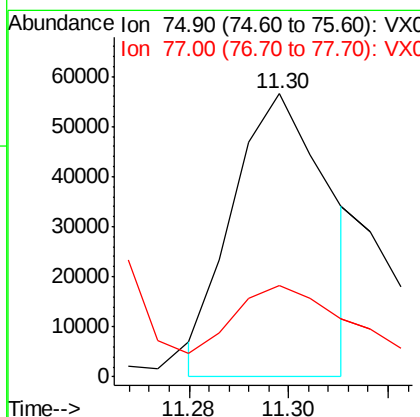
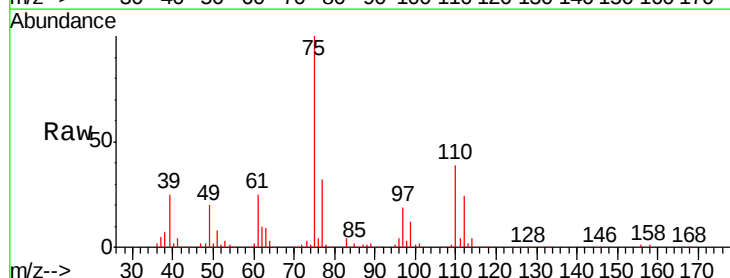
RT: 11.30 min Scan# 1664

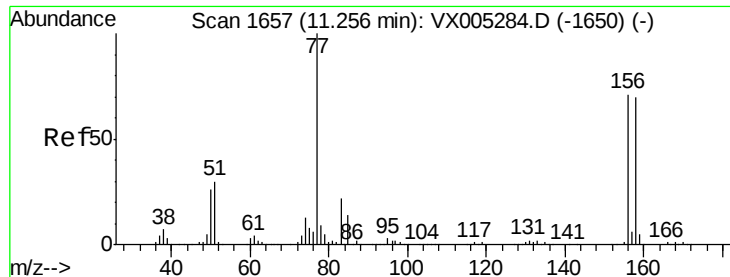
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	75	Resp:	74977
Ion Ratio	Lower	Upper	
75	100		
77	42.8	20.2	60.6





#77

Bromobenzene

Concen: 18.51 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:156 Resp: 66620

Ion Ratio Lower Upper

156 100

77 140.3 71.5 214.3

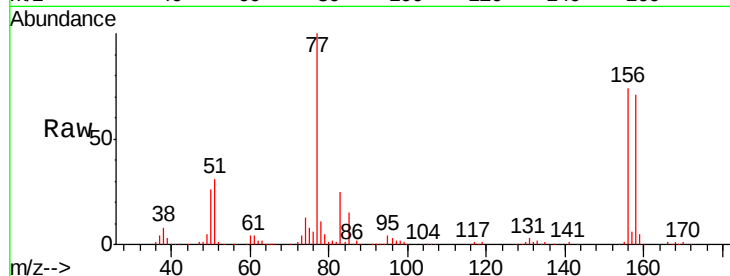
158 95.4 48.9 146.8

Manual Integrations

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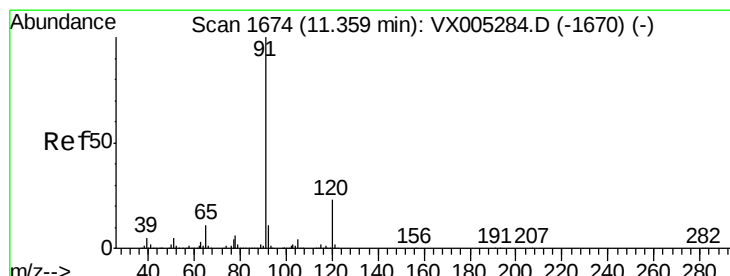
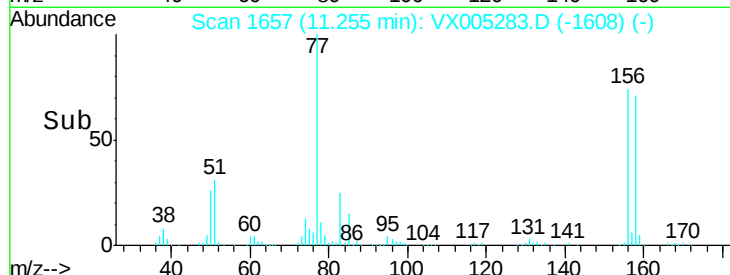
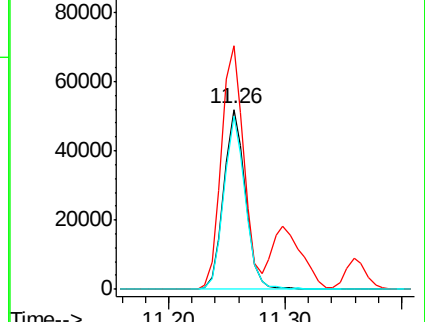
10/17/2018 9:04:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.52 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005283.D

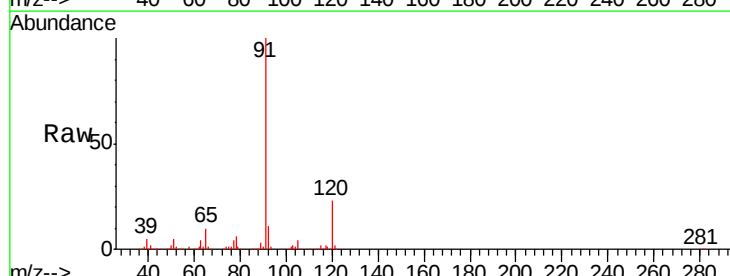
Acq: 12 Oct 2018 09:39

Tgt Ion: 91 Resp: 277260

Ion Ratio Lower Upper

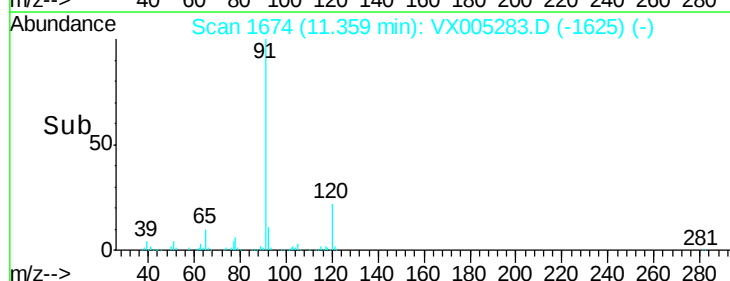
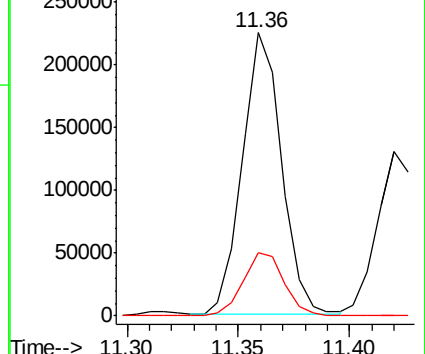
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.46 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 167661

Ion Ratio Lower Upper

91 100

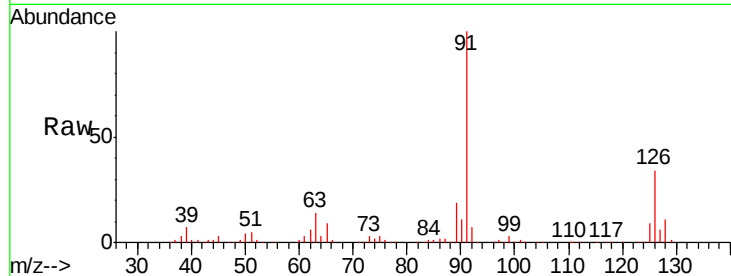
126 34.8 17.9 53.7

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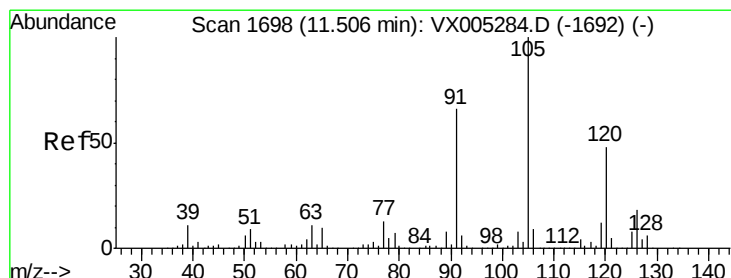
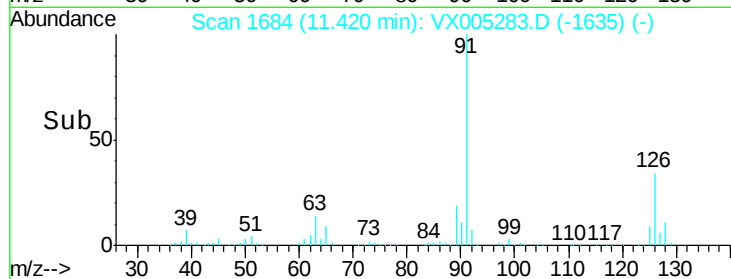
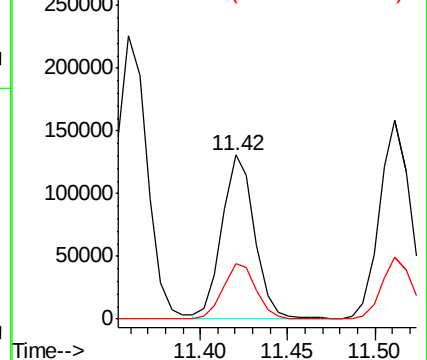
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Abundance Ion 91.00 (90.70 to 91.70): VX005284.D (-1680) (-)

Ion 125.90 (125.60 to 126.60): VX005284.D (-1680) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.89 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005283.D

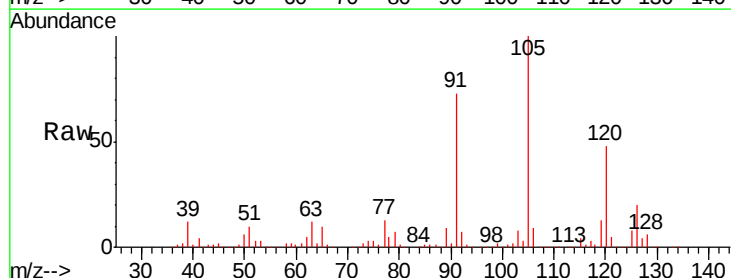
Acq: 12 Oct 2018 09:39

Tgt Ion: 105 Resp: 206817

Ion Ratio Lower Upper

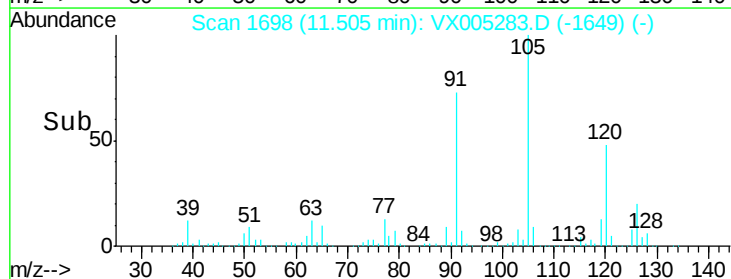
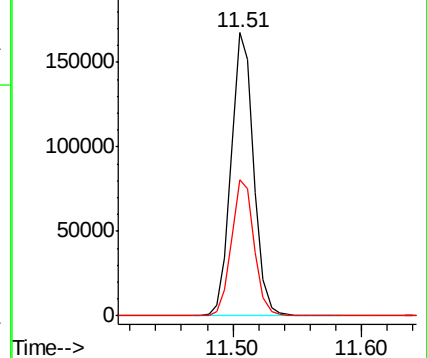
105 100

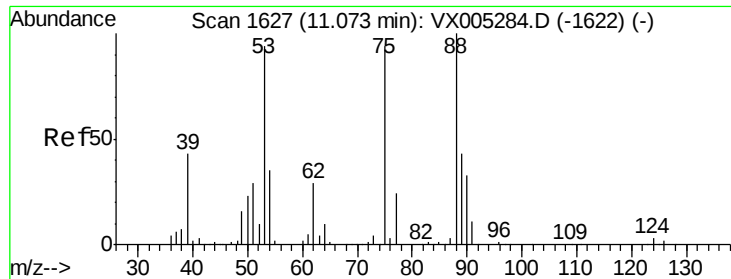
120 48.6 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX005284.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX005284.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.82 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

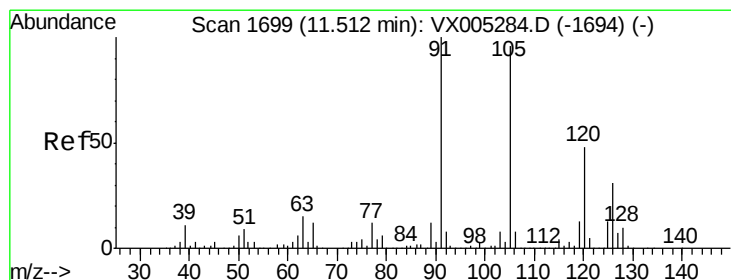
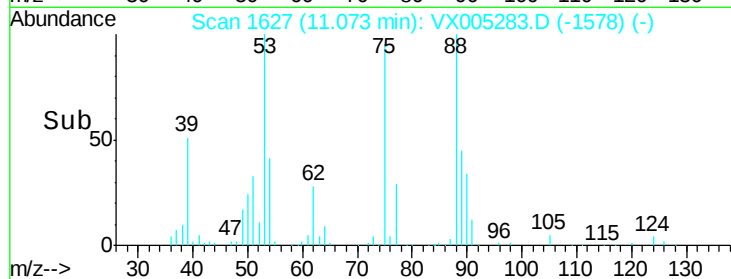
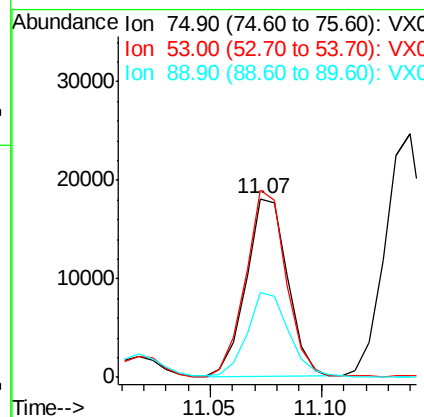
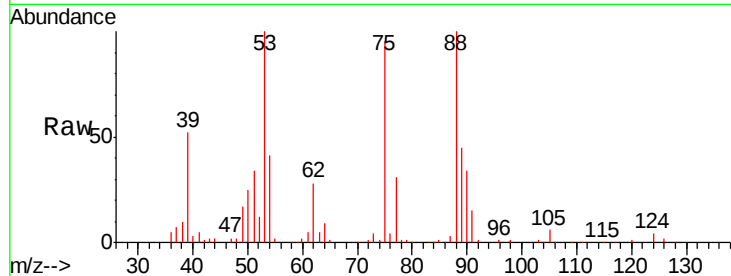
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	23493
Ion Ratio	Lower	Upper	
75	100		
53	102.4	80.1	120.1
89	48.7	37.2	55.8

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#82

4-Chlorotoluene

Concen: 18.61 ug/l

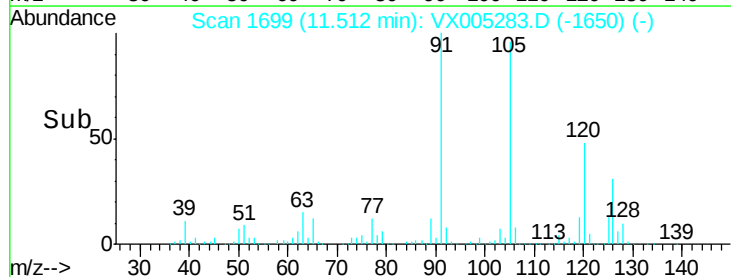
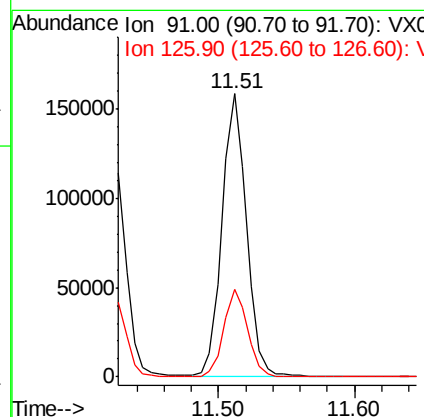
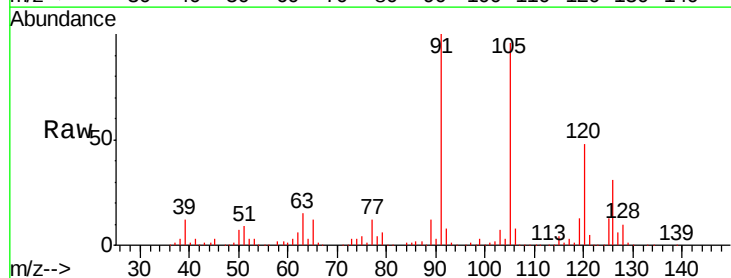
RT: 11.51 min Scan# 1699

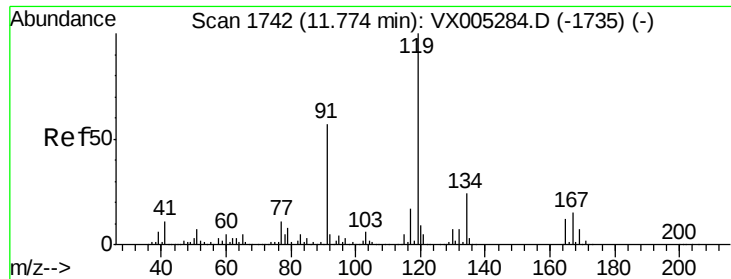
Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Tgt Ion:	91	Resp:	197288
Ion Ratio	Lower	Upper	
91	100		
126	30.4	15.5	46.5





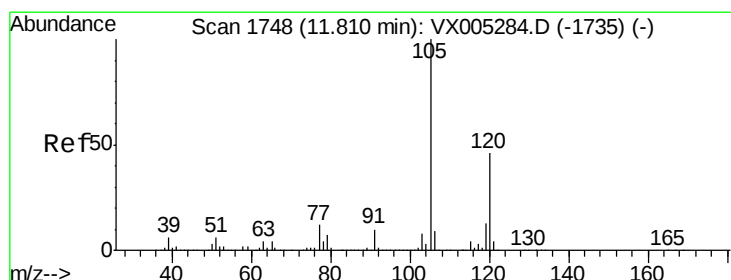
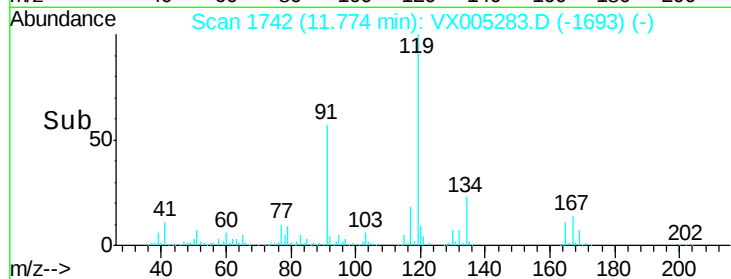
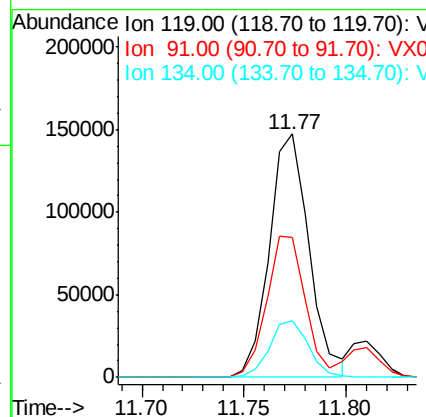
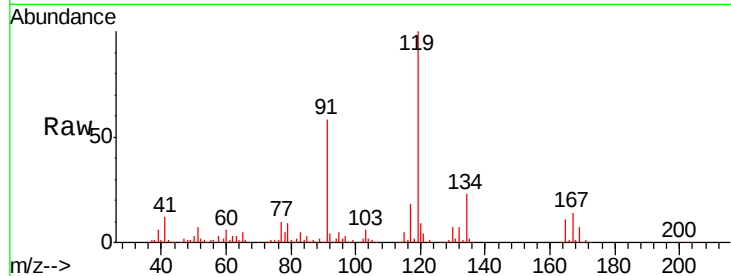
#83
 tert-Butylbenzene
 Concen: 19.24 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
119	100		
91	56.4	27.0	81.0
134	23.0	11.7	35.1

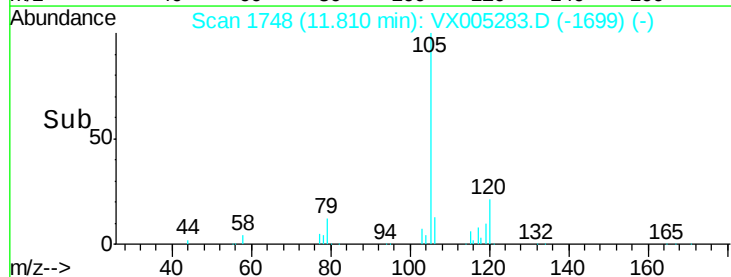
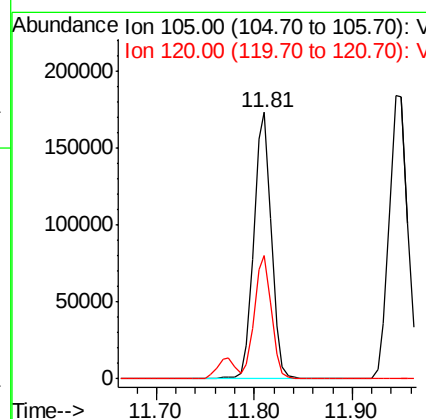
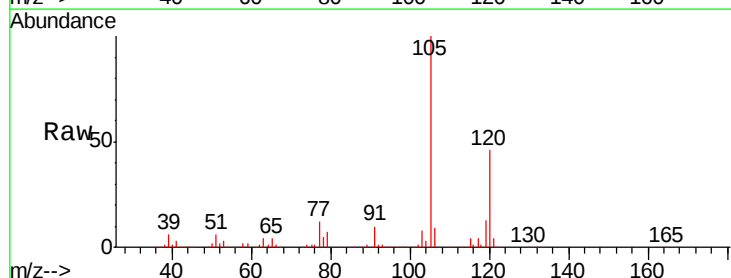
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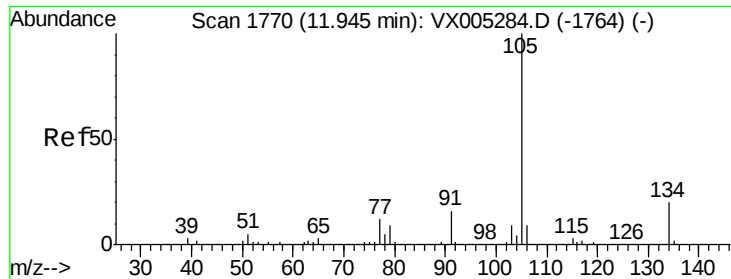
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.17 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.2	69.6





#85

sec-Butylbenzene

Concen: 18.32 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tgt Ion:105 Resp: 243399

Ion Ratio Lower Upper

105 100

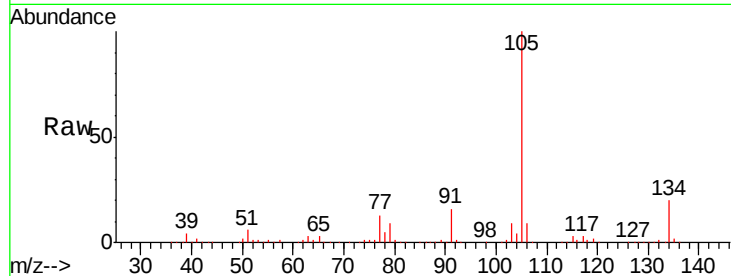
134 20.3 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

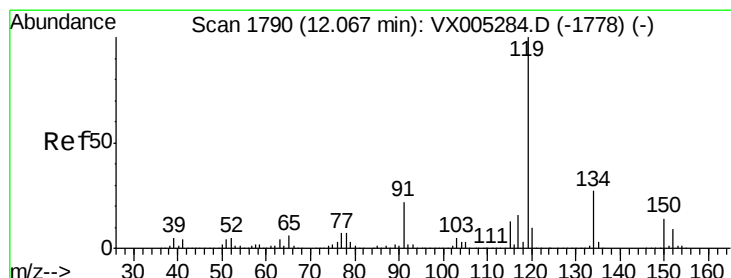
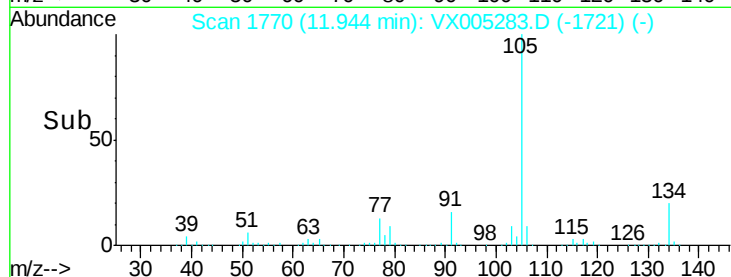
100000

50000

0

11.90 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 18.74 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005283.D

Acq: 12 Oct 2018 09:39

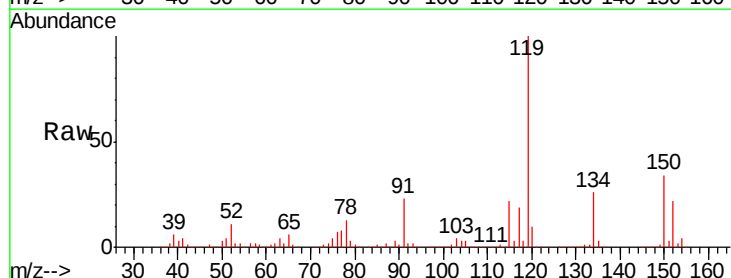
Tgt Ion:119 Resp: 219753

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 23.4 10.9 32.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

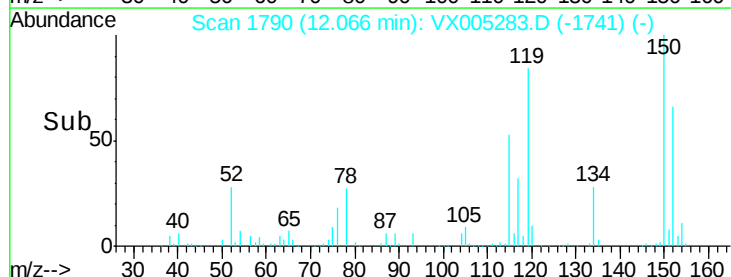
100000

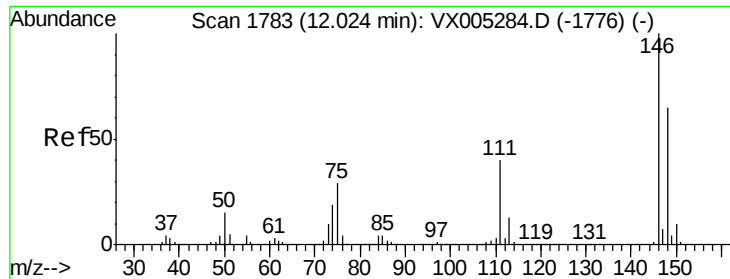
50000

0

12.00 12.10

Time-->





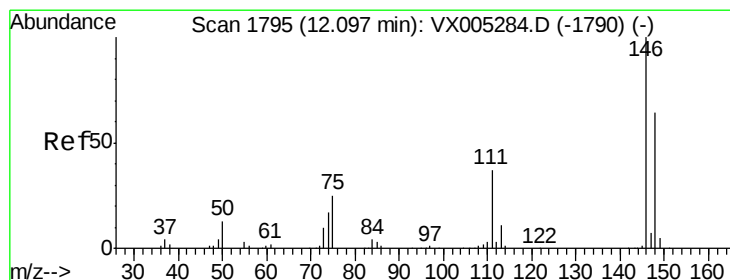
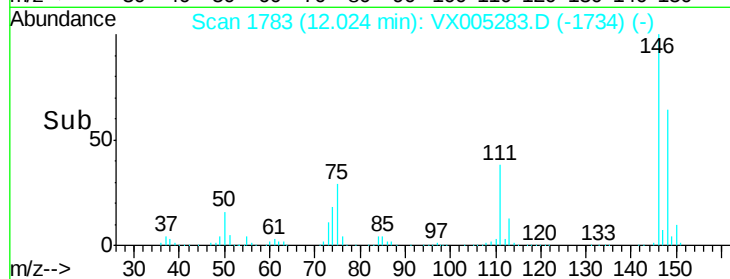
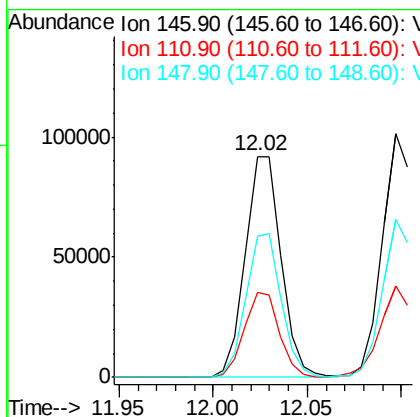
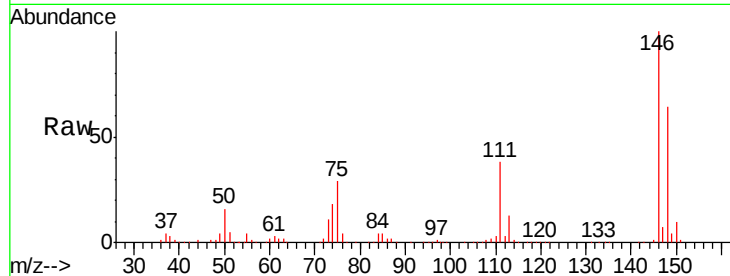
#87
 1,3-Dichlorobenzene
 Concen: 18.13 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	121777		
111	37.6	18.7	56.1	
148	64.1	32.1	96.5	

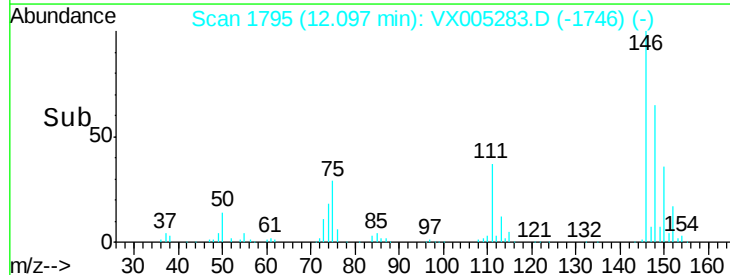
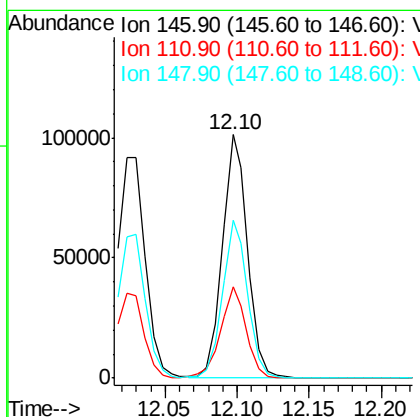
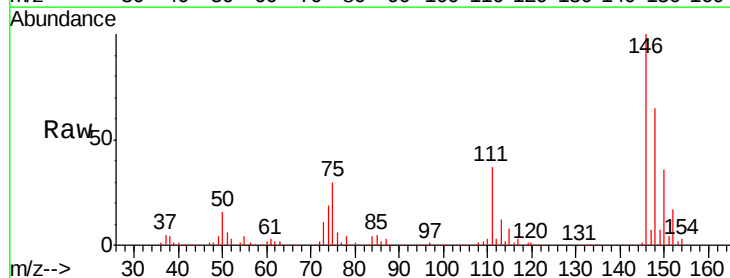
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#88
 1,4-Dichlorobenzene
 Concen: 17.88 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	124051		
111	38.3	18.1	54.1	
148	65.2	32.0	96.0	





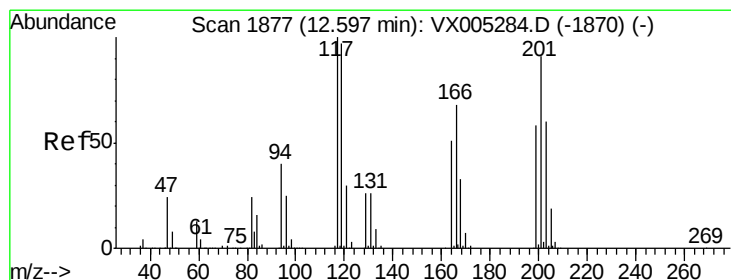
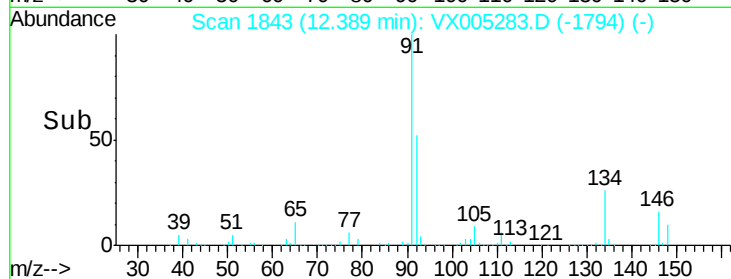
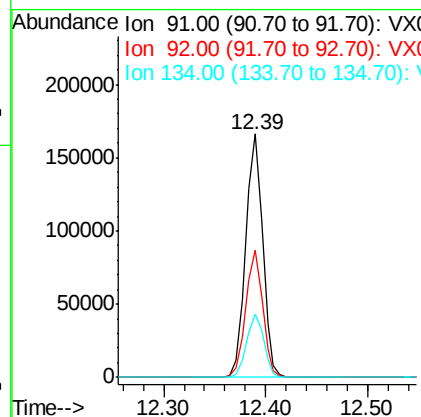
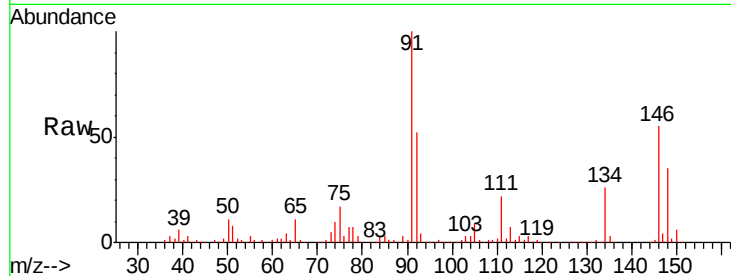
#89
n-Butylbenzene
Concen: 17.78 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.0	27.3	81.9
134	26.3	13.6	40.7

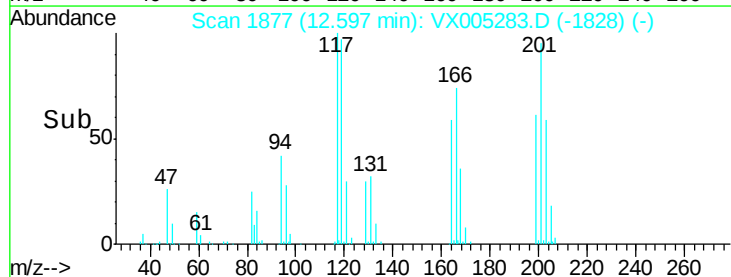
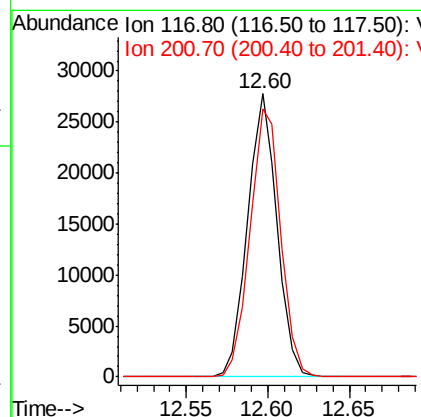
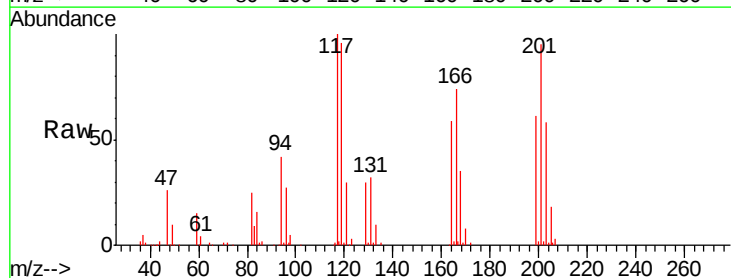
Manual Integrations
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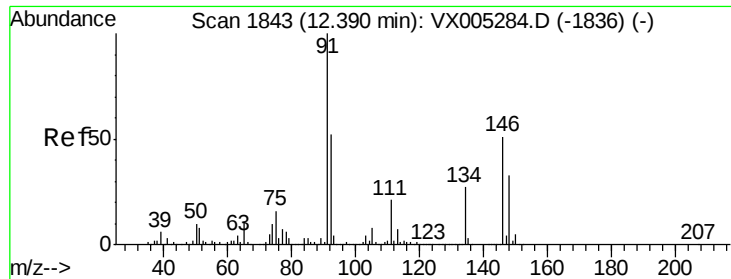
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#90
Hexachloroethane
Concen: 18.53 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.1	46.9	140.6





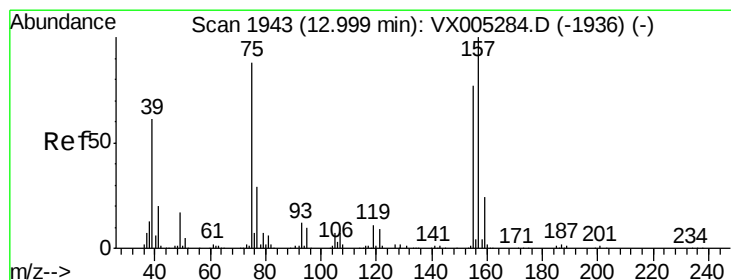
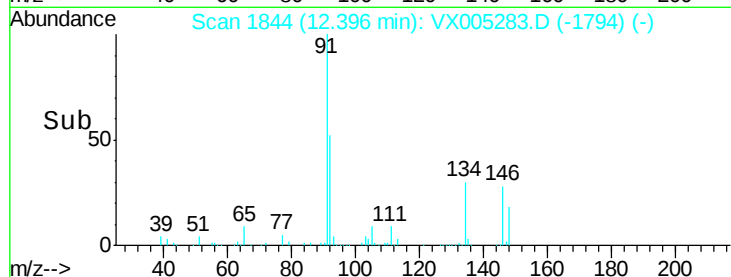
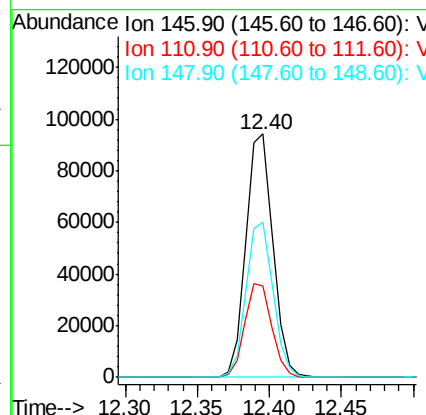
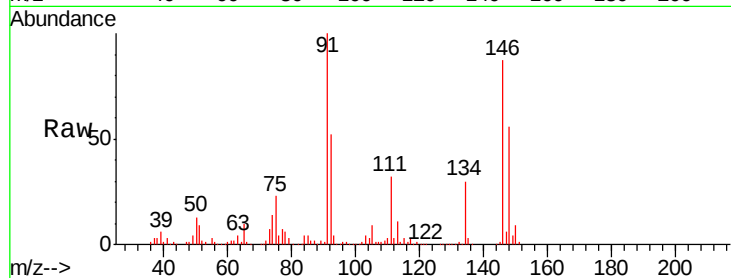
#91
 1,2-Dichlorobenzene
 Concen: 18.01 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.4	58.1
148	63.9	32.8	98.3

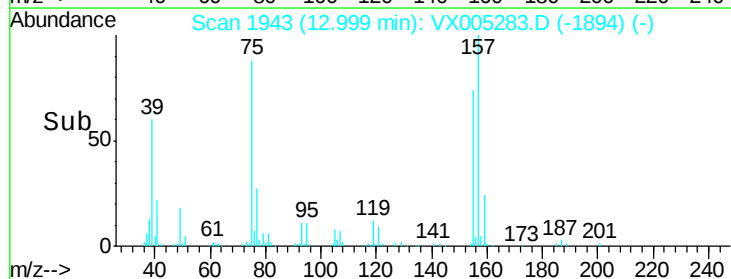
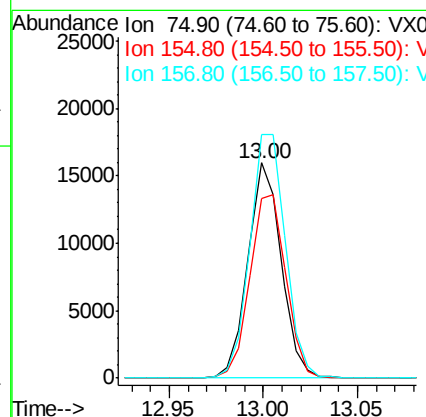
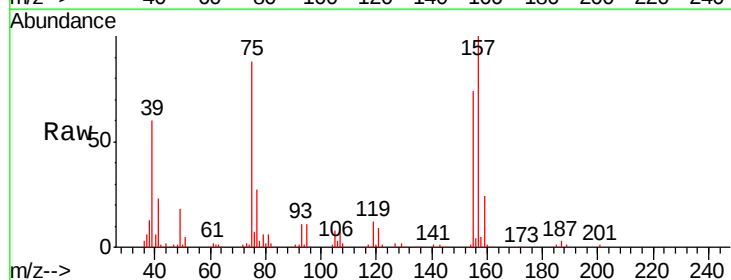
Manual Integrations
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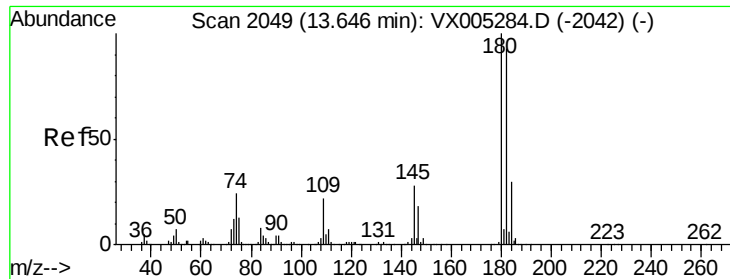
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.91 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	48.0	144.2
157	120.6	61.4	184.1





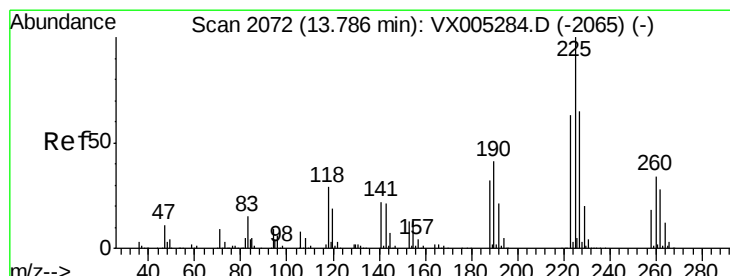
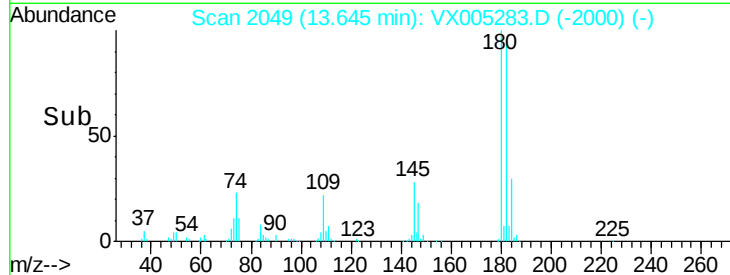
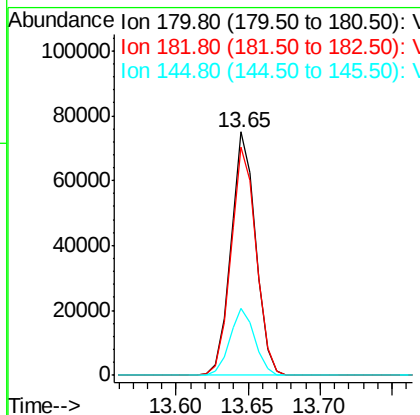
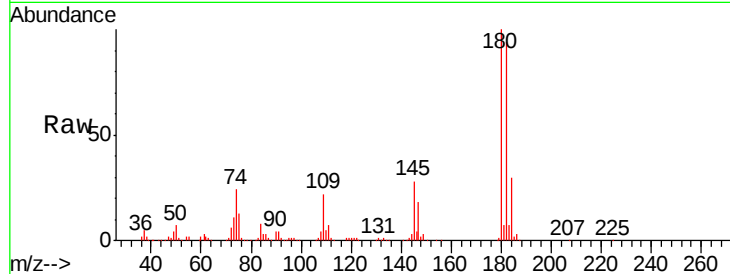
#93
 1,2,4-Trichlorobenzene
 Concen: 18.73 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.0
145	27.8	14.3	42.9

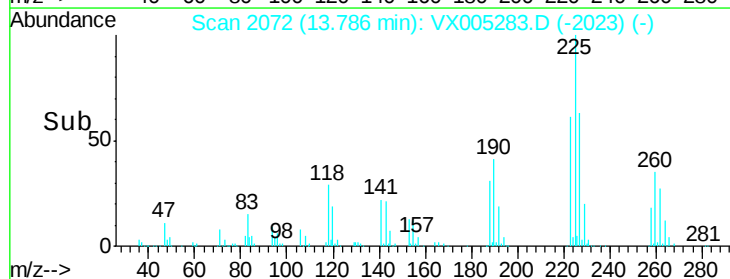
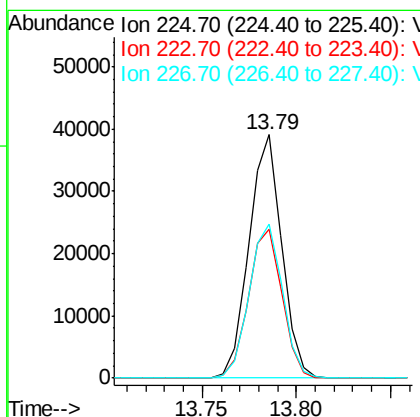
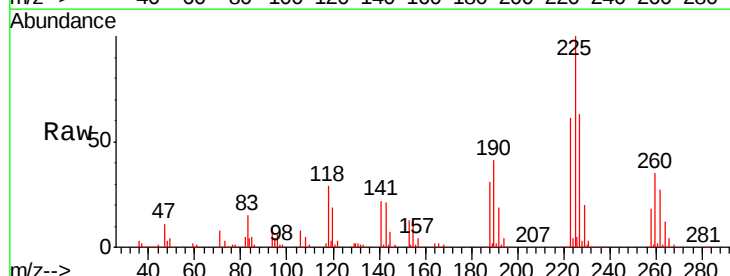
Manual Integrations
 APPROVED

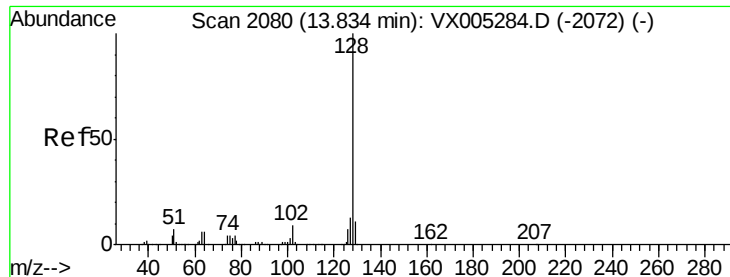
MMDadoda
 10/17/2018 9:04:26 AM



#94
 Hexachlorobutadiene
 Concen: 18.71 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005283.D
 Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.1	90.5
227	64.6	30.8	92.4





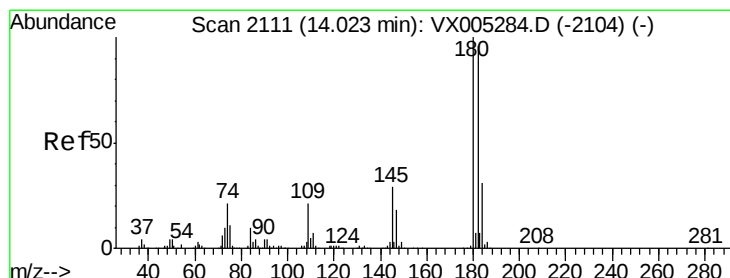
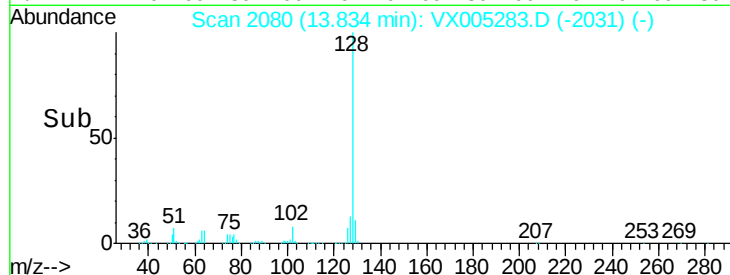
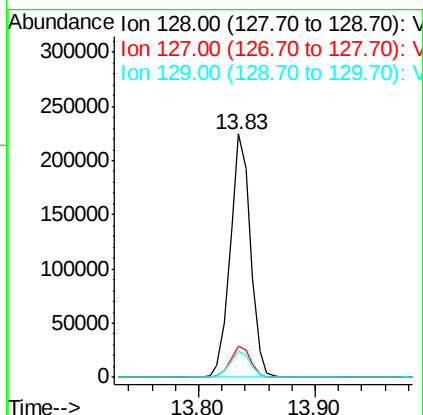
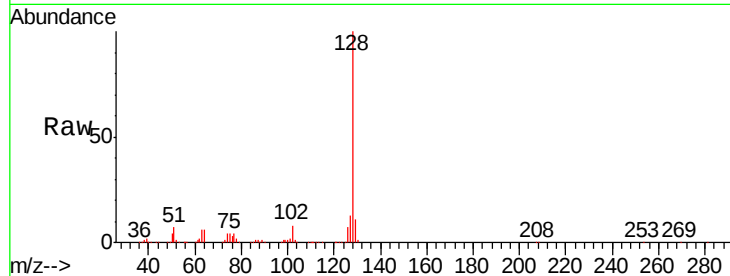
#95
Naphthalene
Concen: 20.14 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/17/2018 9:04:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.14 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005283.D
Acq: 12 Oct 2018 09:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.5	145.6
145	29.1	14.9	44.9

