

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081519\
 Data File : VX011564.D
 Acq On : 15 Aug 2019 18:04
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:29:21 AM

Quant Time: Aug 16 04:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 03:49:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	385555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	538345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	479195	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	253008	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	22172	5.58	ug/l	0.00
Spiked Amount			Recovery	=	11.16%	
35) Dibromofluoromethane	5.49	113	21441	6.32	ug/l	0.00
Spiked Amount			Recovery	=	12.64%	
50) Toluene-d8	8.71	98	62662	5.08	ug/l	0.00
Spiked Amount			Recovery	=	10.16%	
62) 4-Bromofluorobenzene	11.13	95	26748	5.80	ug/l	0.00
Spiked Amount			Recovery	=	11.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	16148	4.466	ug/l	100
3) Chloromethane	1.32	50	20048	5.599	ug/l	98
4) Vinyl Chloride	1.40	62	17727	4.939	ug/l	97
5) Bromomethane	1.63	94	8065	4.098	ug/l	94
6) Chloroethane	1.71	64	8679	3.970	ug/l	96
7) Trichlorofluoromethane	1.92	101	25600	4.327	ug/l	98
8) Diethyl Ether	2.18	74	8344	4.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	17809	5.116	ug/l	96
10) Methyl Iodide	2.50	142	21304	4.609	ug/l #	97
11) Tert butyl alcohol	3.04	59	20604	21.594	ug/l	98
12) 1,1-Dichloroethene	2.36	96	17008	5.013	ug/l	99
13) Acrolein	2.29	56	10017	20.231	ug/l	96
14) Allyl chloride	2.72	41	26328	5.178	ug/l	98
15) Acrylonitrile	3.14	53	50893	25.970	ug/l	98
16) Acetone	2.43	43	46162	25.018	ug/l	97
17) Carbon Disulfide	2.56	76	38374	4.458	ug/l	96
18) Methyl Acetate	2.77	43	24408	5.385	ug/l	98
19) Methyl tert-butyl Ether	3.19	73	51899	4.679	ug/l	97
20) Methylene Chloride	2.85	84	19307	4.949	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	18375	5.073	ug/l	92
22) Diisopropyl ether	3.85	45	55012	5.153	ug/l	94
23) Vinyl Acetate	3.81	43	223475	25.126	ug/l	98
24) 1,1-Dichloroethane	3.69	63	31600	5.142	ug/l	97
25) 2-Butanone	4.67	43	71884	26.650	ug/l	97
26) 2,2-Dichloropropane	4.57	77	24373	4.906	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	21125	5.011	ug/l	98
28) Bromochloromethane	5.01	49	14001	4.869	ug/l	99
29) Tetrahydrofuran	5.12	42	44872	26.001	ug/l	99
30) Chloroform	5.20	83	33145	5.002	ug/l	95
31) Cyclohexane	5.57	56	25999	4.668	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	27399	4.787	ug/l	94
36) 1,1-Dichloropropene	5.79	75	23375	5.227	ug/l	96
37) Ethyl Acetate	4.82	43	26058	5.593	ug/l #	94
38) Carbon Tetrachloride	5.78	117	24806	5.279	ug/l	95

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

39) Methylcyclohexane	7.46	83	27744	4.824	ug/l	98
40) Benzene	6.13	78	75124	5.481	ug/l	94
41) Methacrylonitrile	5.04	41	14184	5.300	ug/l #	90
42) 1,2-Dichloroethane	6.19	62	26633	5.544	ug/l	96
43) Isopropyl Acetate	6.44	43	39511	5.188	ug/l	97
44) Trichloroethene	7.21	130	21489	5.289	ug/l	93
45) 1,2-Dichloropropane	7.51	63	18184	5.194	ug/l	94
46) Dibromomethane	7.66	93	12356	4.984	ug/l	97
47) Bromodichloromethane	7.90	83	21893	4.907	ug/l	96
48) Methyl methacrylate	7.77	41	19917	5.313	ug/l	92
49) 1,4-Dioxane	7.74	88	10403	100.803	ug/l	92
51) 4-Methyl-2-Pentanone	8.64	43	135792	27.394	ug/l	98
52) Toluene	8.78	92	45871	5.115	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	21708	4.540	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	24646	4.646	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	19486	5.257	ug/l	99
56) Ethyl methacrylate	9.18	69	27170	5.001	ug/l	99
57) 1,3-Dichloropropane	9.37	76	31272	5.304	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.30	63	64436	24.677	ug/l	97
59) 2-Hexanone	9.49	43	101348	26.445	ug/l	99
60) Dibromochloromethane	9.58	129	18025	4.753	ug/l	99
61) 1,2-Dibromoethane	9.67	107	20926	5.313	ug/l	98
64) Tetrachloroethene	9.34	164	20231	5.293	ug/l	97
65) Chlorobenzene	10.13	112	52120	5.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	18364	5.204	ug/l	99
67) Ethyl Benzene	10.25	91	87799	5.207	ug/l	99
68) m/p-Xylenes	10.35	106	67022	10.324	ug/l	99
69) o-Xylene	10.69	106	32560	5.156	ug/l	100
70) Styrene	10.71	104	52733	4.997	ug/l	99
71) Bromoform	10.85	173	13408	4.710	ug/l #	98
73) Isopropylbenzene	11.02	105	86481	5.053	ug/l	99
74) N-amyl acetate	10.90	43	32717	4.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	29960	5.331	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	25294m	5.468	ug/l	
77) Bromobenzene	11.26	156	25878	5.417	ug/l	97
78) n-propylbenzene	11.36	91	90470	4.804	ug/l	99
79) 2-Chlorotoluene	11.42	91	56541	4.974	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	72718	5.090	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	5877	3.535	ug/l #	65
82) 4-Chlorotoluene	11.51	91	65987	4.999	ug/l	99
83) tert-Butylbenzene	11.77	119	72708	5.147	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	70493	4.887	ug/l	100
85) sec-Butylbenzene	11.94	105	81074	4.937	ug/l	99
86) p-Isopropyltoluene	12.06	119	75043	4.916	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	43324	5.243	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	43936	5.196	ug/l	94
89) n-Butylbenzene	12.38	91	58907	4.554	ug/l	98
90) Hexachloroethane	12.59	117	10560	4.403	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	43192	5.271	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	6567	5.533	ug/l	88

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MSVOA_X
ClientSampleId :
VSTDICC005

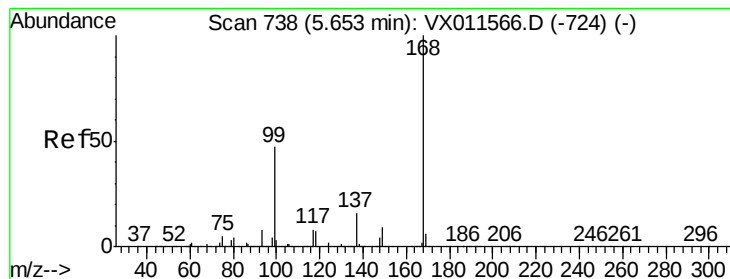
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 03:49:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	29757	5.261	ug/l	98
94) Hexachlorobutadiene	13.78	225	16664	5.827	ug/l	99
95) Naphthalene	13.83	128	83732	5.041	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	31285	5.537	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 385555

Ion Ratio Lower Upper

168 100

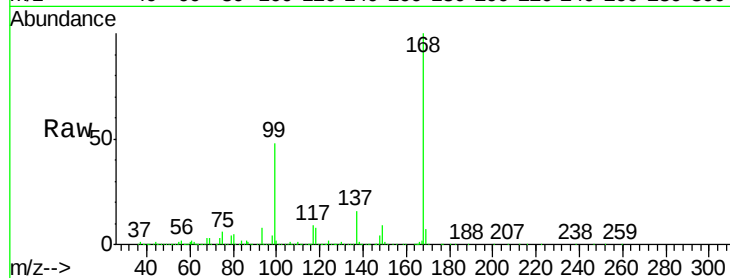
99 48.0 37.3 55.9

Manual Integrations

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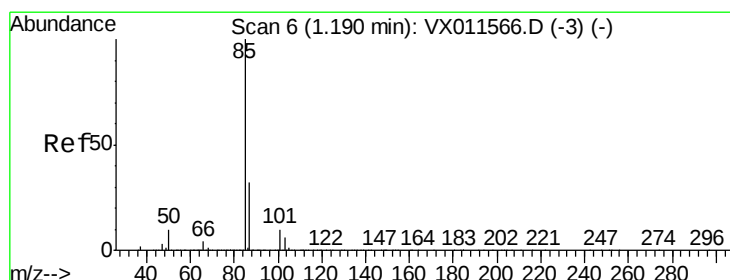
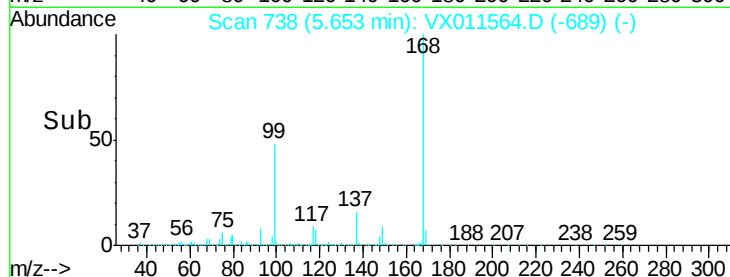
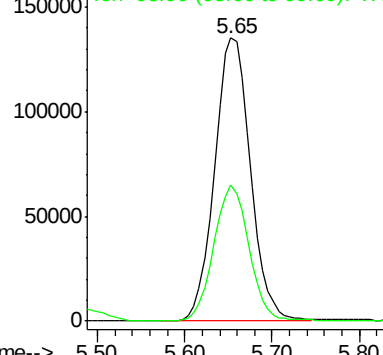
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 4.466 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011564.D

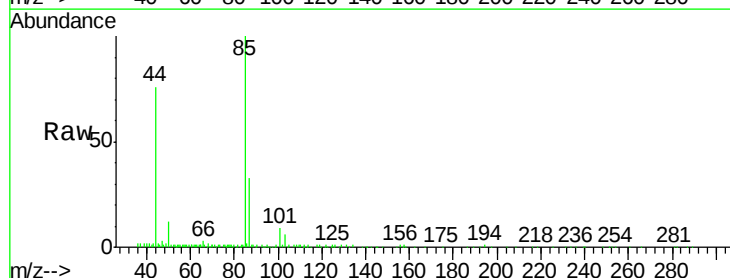
Acq: 15 Aug 2019 18:04

Tgt Ion: 85 Resp: 16148

Ion Ratio Lower Upper

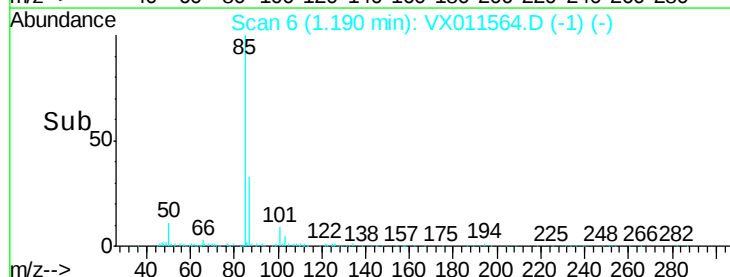
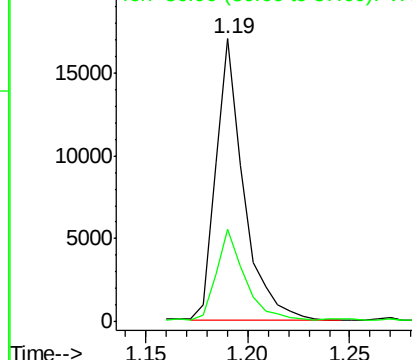
85 100

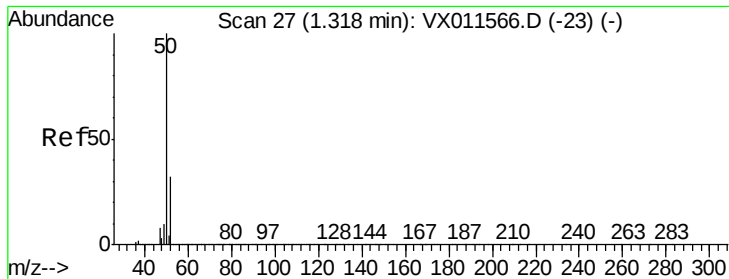
87 32.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 5.599 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20048

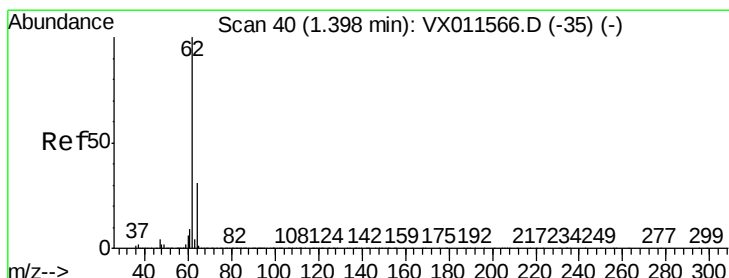
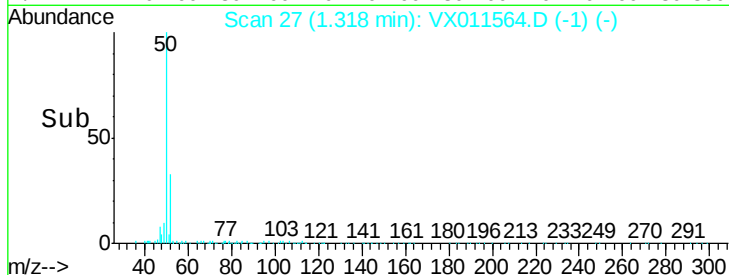
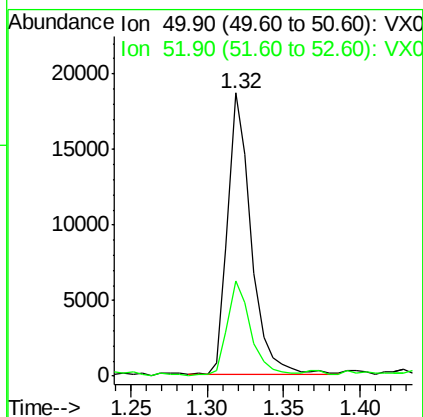
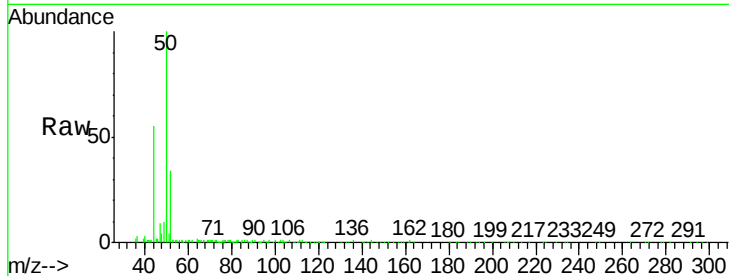
Ion Ratio Lower Upper

50 100

52 33.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 4.939 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011564.D

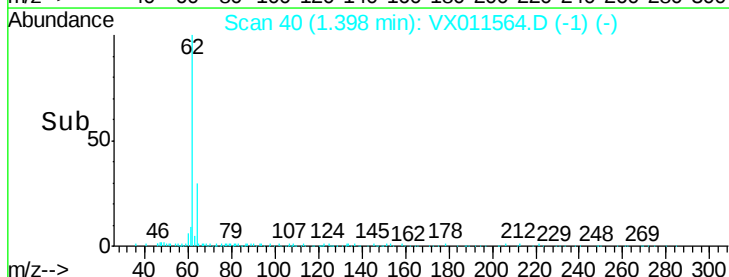
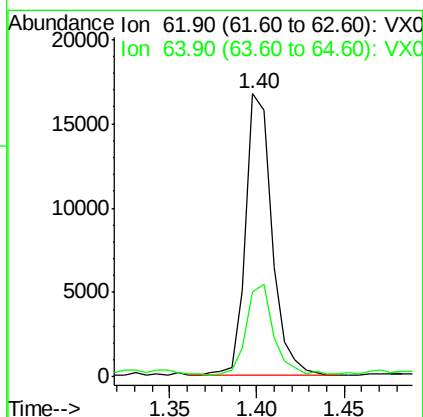
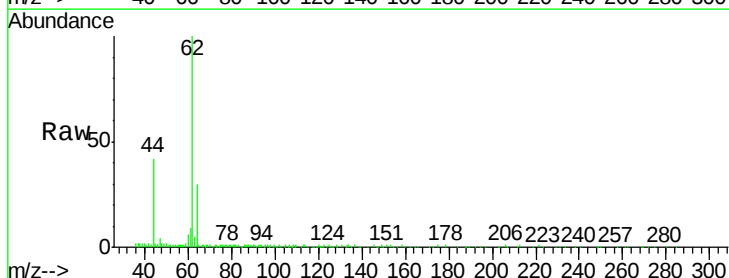
Acq: 15 Aug 2019 18:04

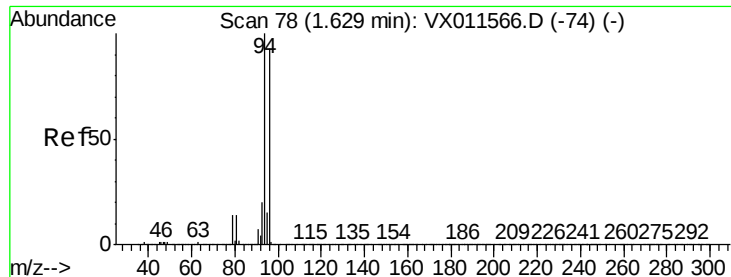
Tgt Ion: 62 Resp: 17727

Ion Ratio Lower Upper

62 100

64 29.4 25.0 37.4





#5

Bromomethane

Concen: 4.098 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tot Ion: 94 Resp: 8065

Ion Ratio Lower Upper

94 100

96 87.5 74.8 112.2

Instrument :

MSVOA_X

ClientSampleId :

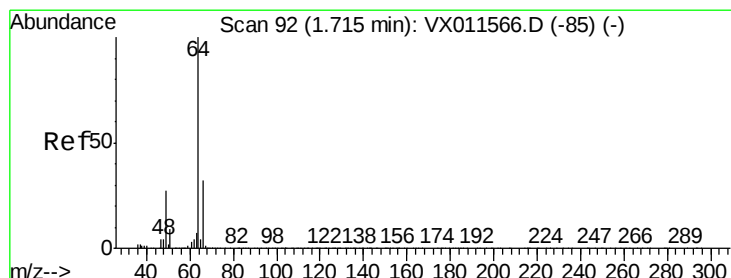
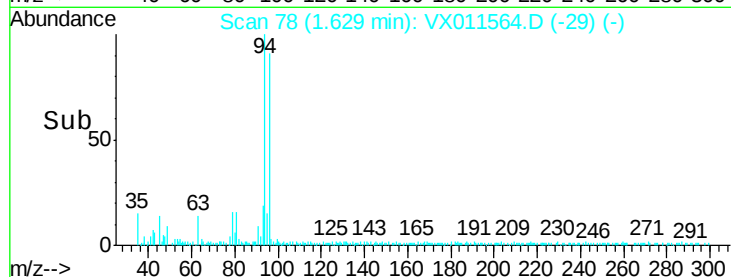
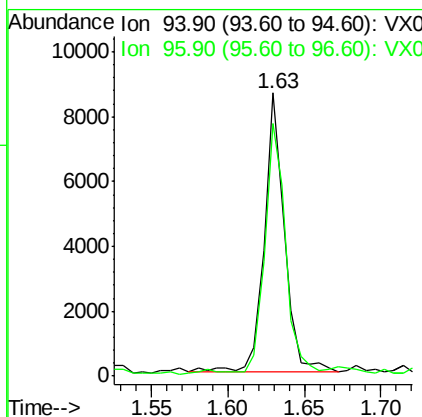
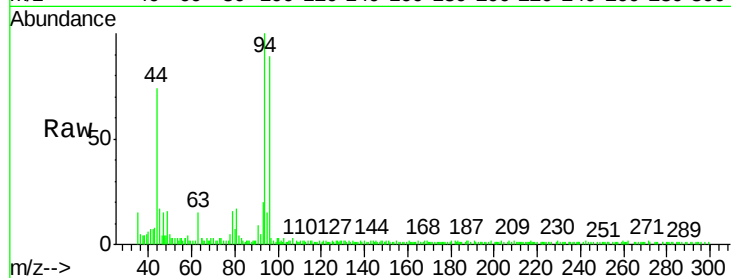
VSTDIC005

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#6

Chloroethane

Concen: 3.970 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011564.D

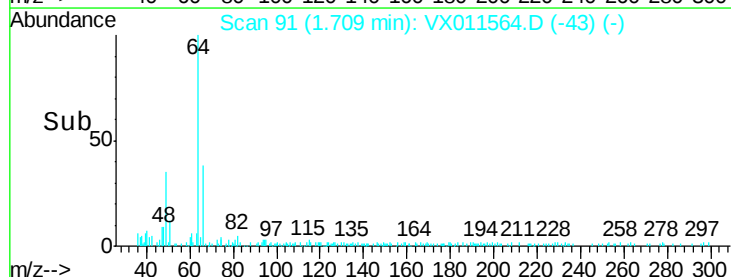
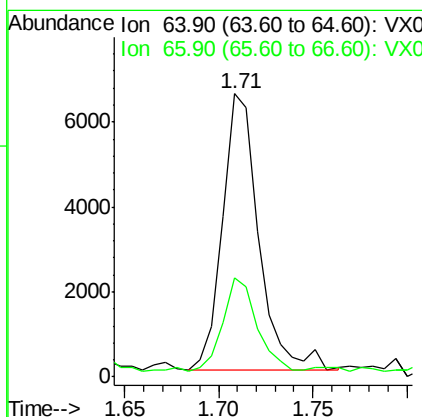
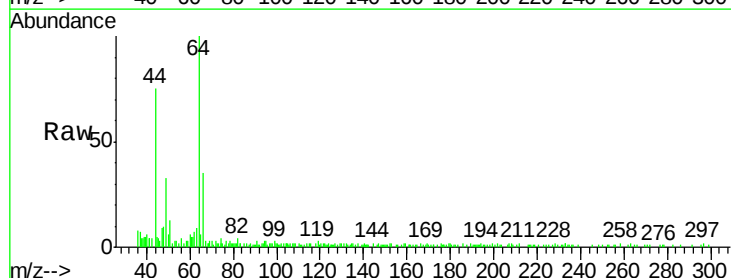
Acq: 15 Aug 2019 18:04

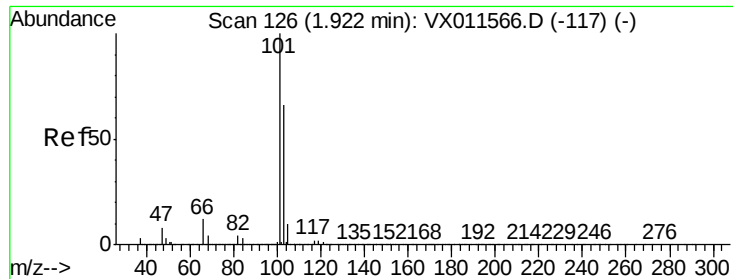
Tgt Ion: 64 Resp: 8679

Ion Ratio Lower Upper

64 100

66 33.9 25.3 37.9





#7

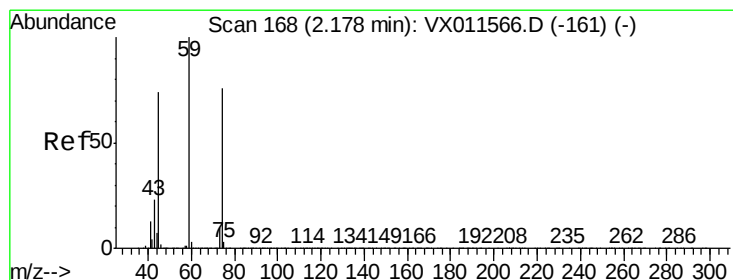
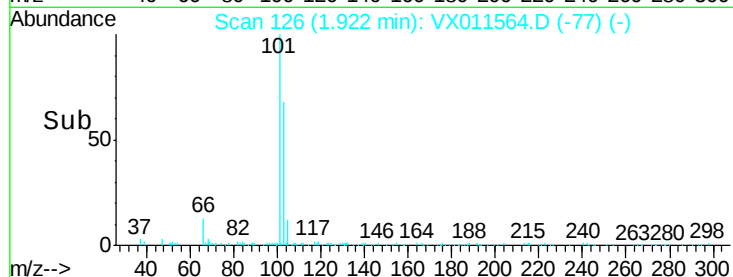
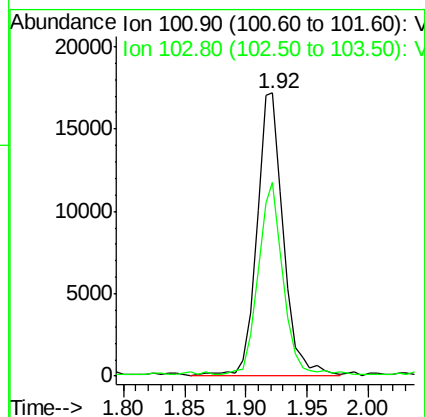
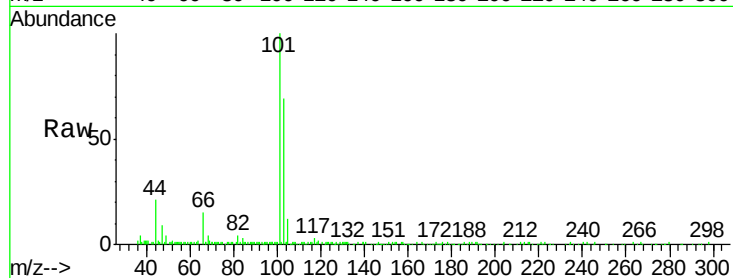
Trichlorofluoromethane
Concen: 4.327 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.9	79.3

Manual Integrations
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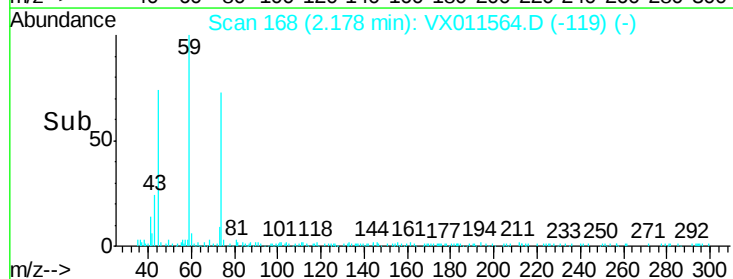
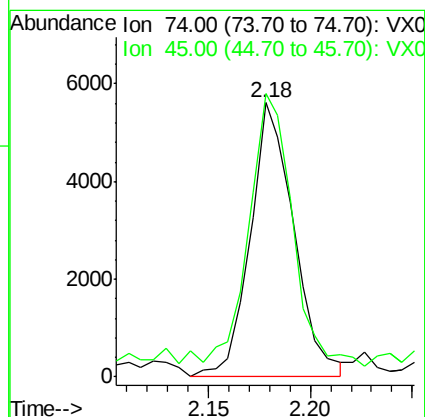
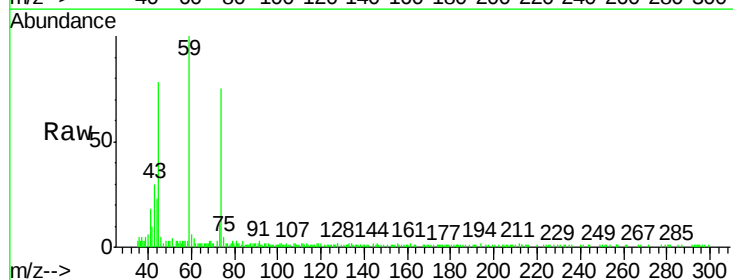
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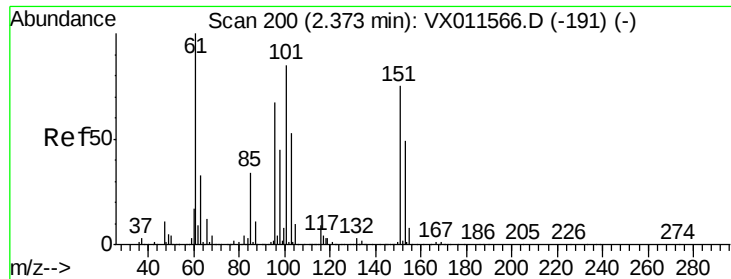


#8

Diethyl Ether
Concen: 4.072 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.6	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.116 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

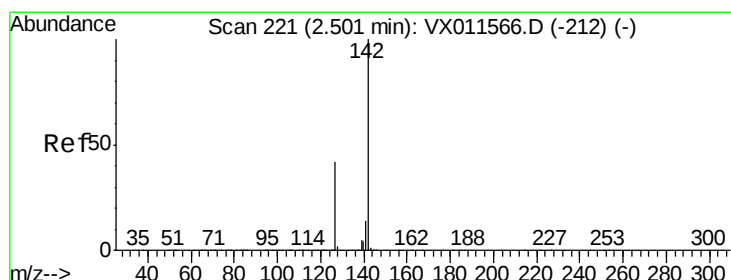
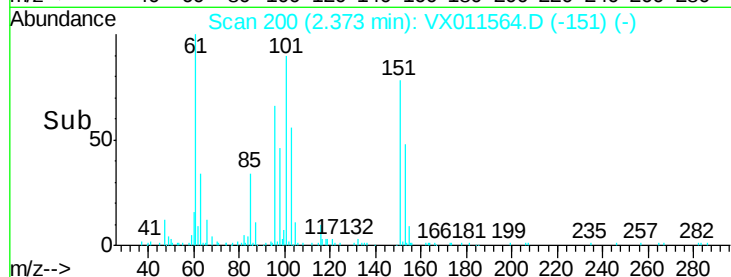
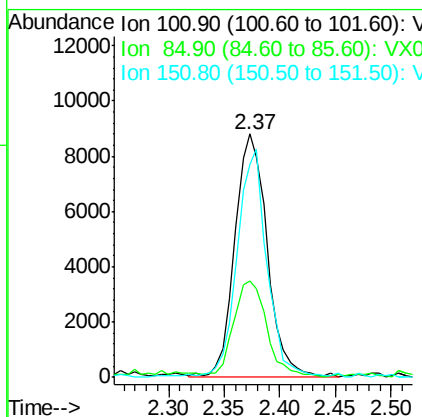
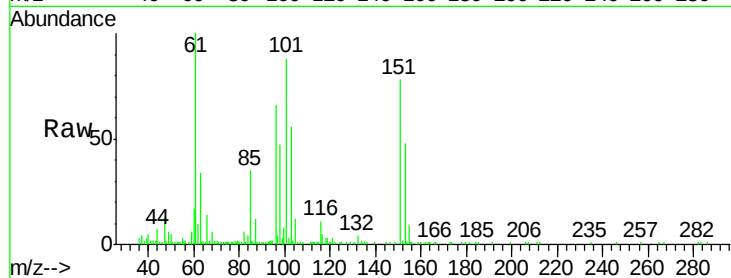
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17809
Ion Ratio	Lower	Upper	
101	100		
85	40.8	33.0	49.4
151	86.7	73.3	109.9

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#10

Methyl Iodide

Concen: 4.609 ug/l

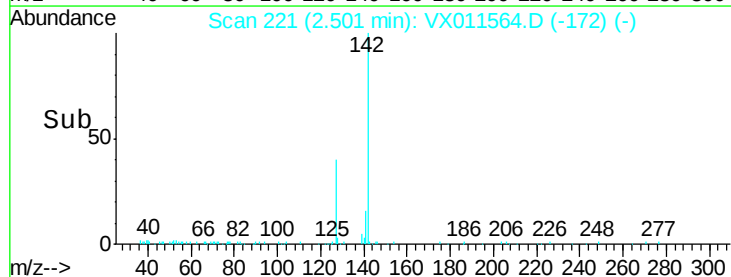
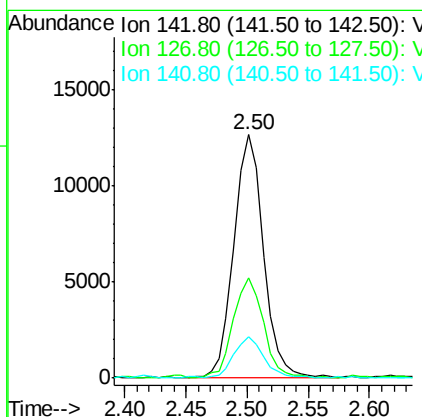
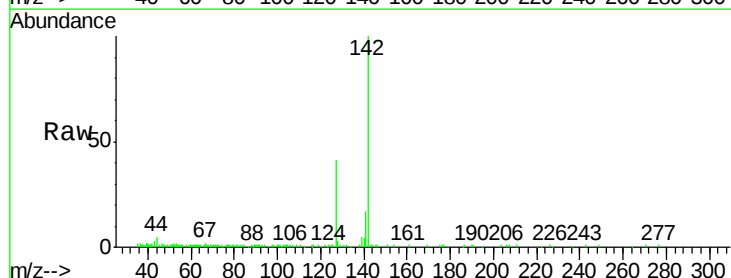
RT: 2.50 min Scan# 221

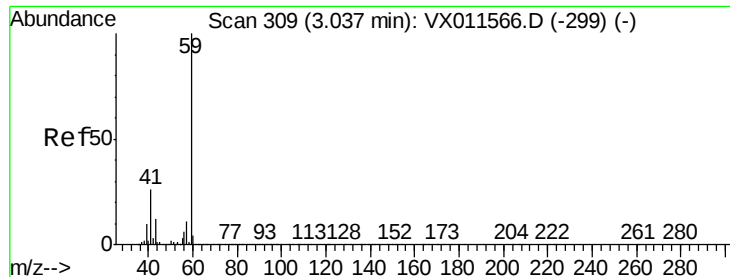
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	142	Resp:	21304
Ion Ratio	Lower	Upper	
142	100		
127	42.1	32.8	49.2
141	17.3	11.4	17.2#





#11

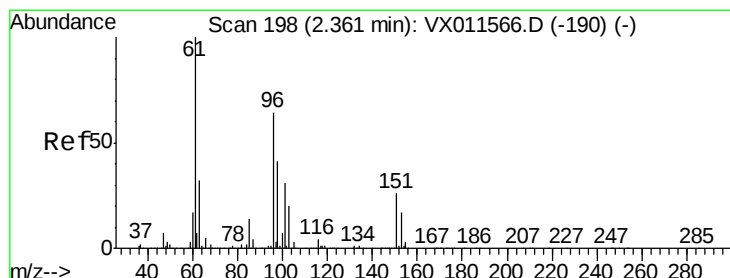
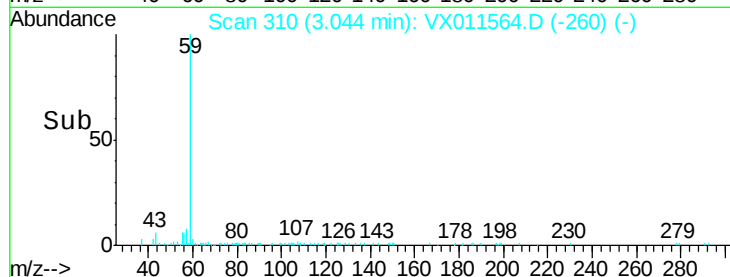
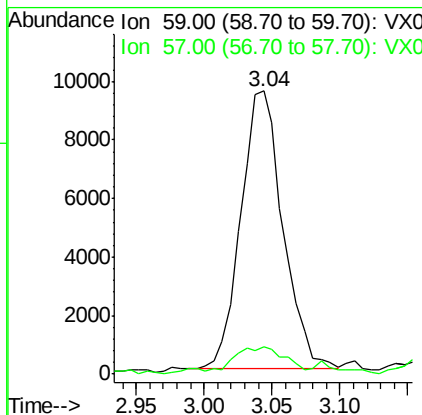
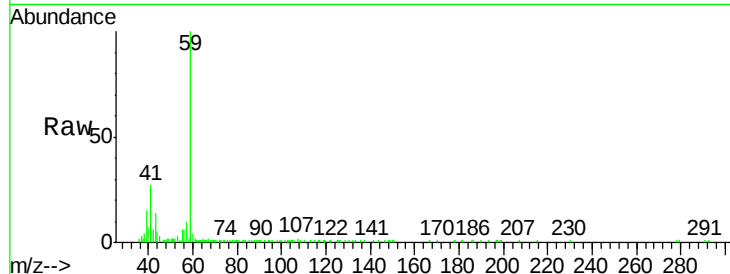
Tert butyl alcohol
Concen: 21.594 ug/l
RT: 3.04 min Scan# 310
Delta R.T. 0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.7	13.1

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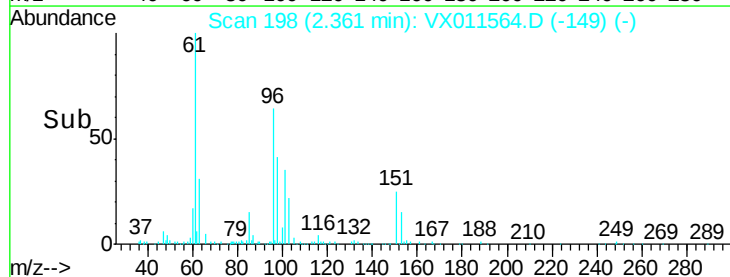
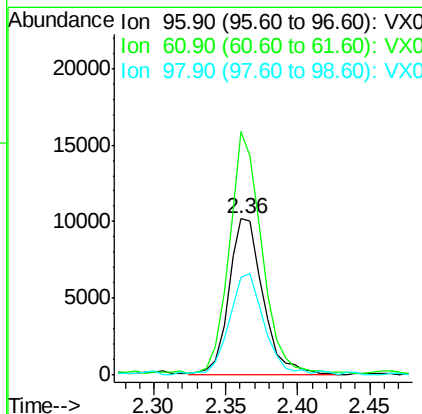
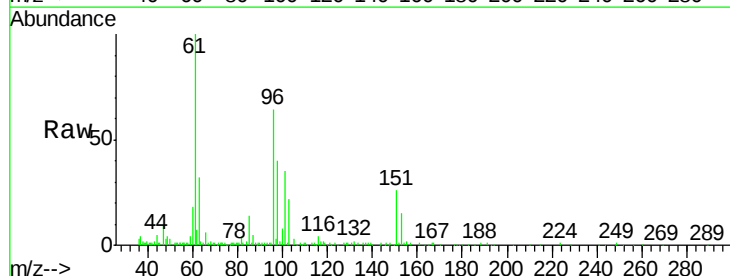
MMDadoda
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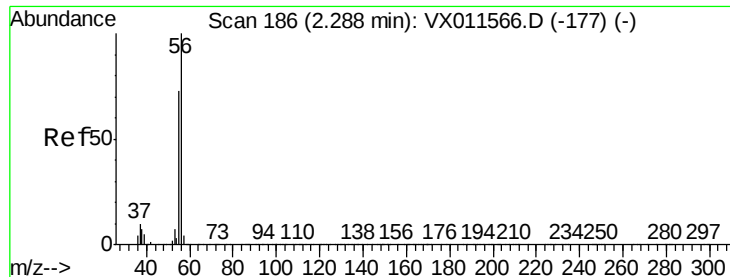


#12

1,1-Dichloroethene
Concen: 5.013 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.4	125.0	187.4
98	62.9	51.5	77.3





#13

Acrolein

Concen: 20.231 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 10017

Ion Ratio Lower Upper

56 100

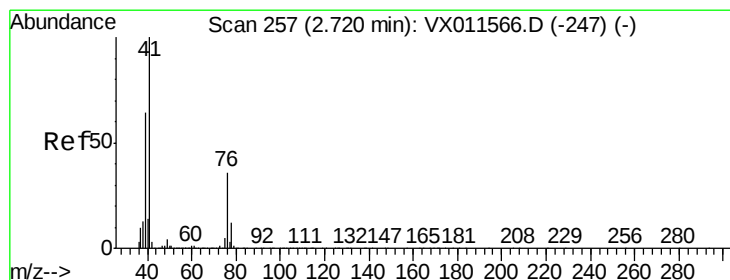
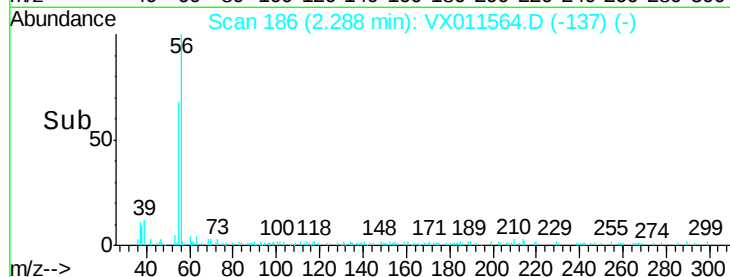
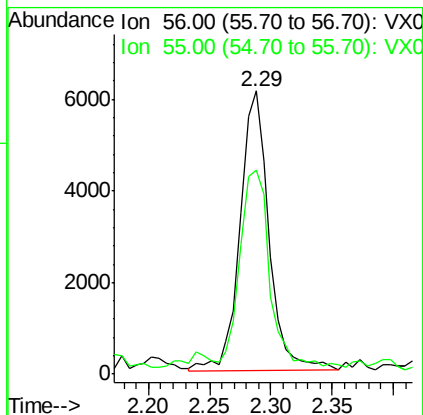
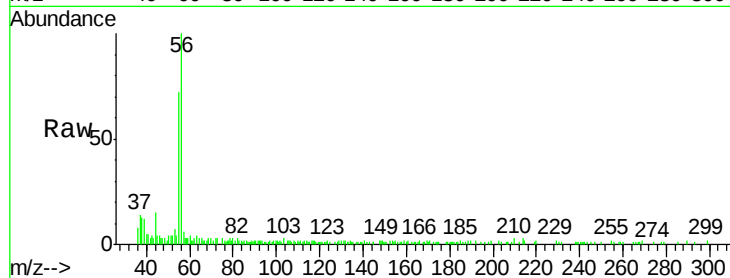
55 72.8 55.5 83.3

Manual Integrations

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#14

Allyl chloride

Concen: 5.178 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

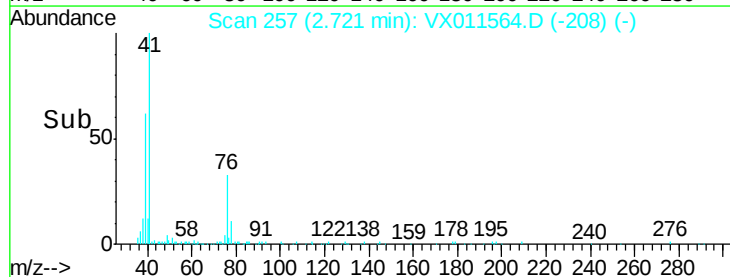
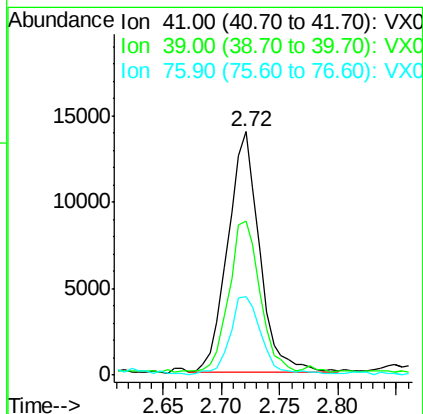
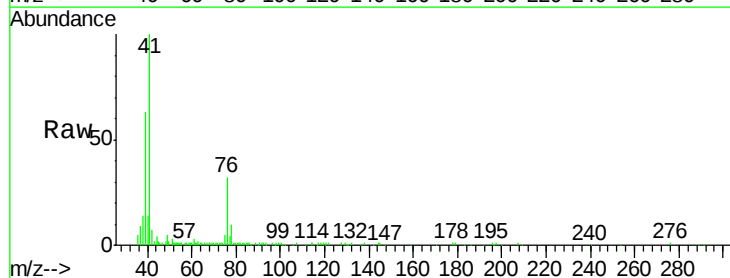
Tgt Ion: 41 Resp: 26328

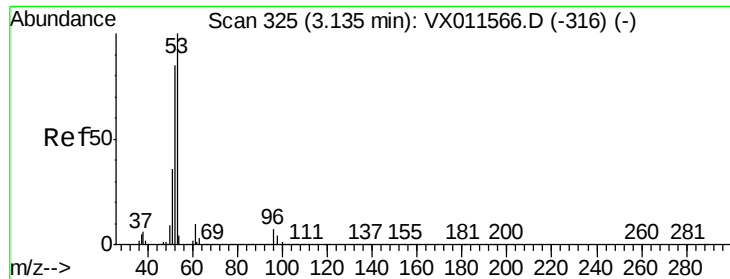
Ion Ratio Lower Upper

41 100

39 60.5 47.5 71.3

76 31.9 26.3 39.5





#15

Acrylonitrile

Concen: 25.970 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

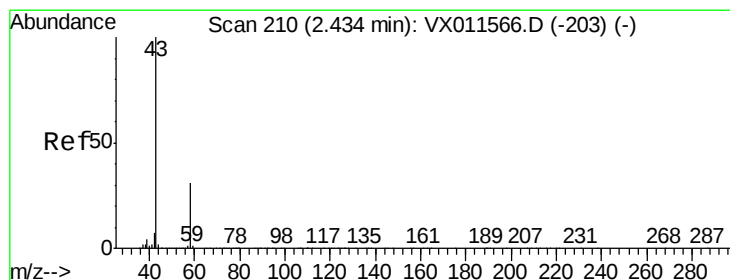
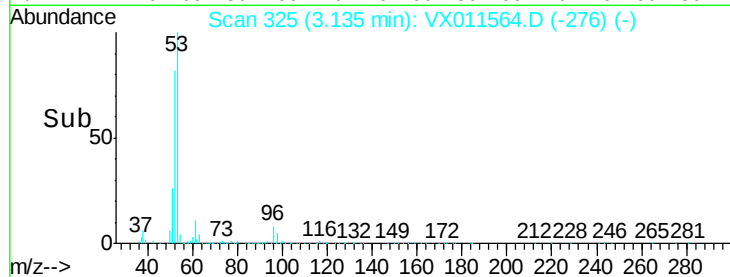
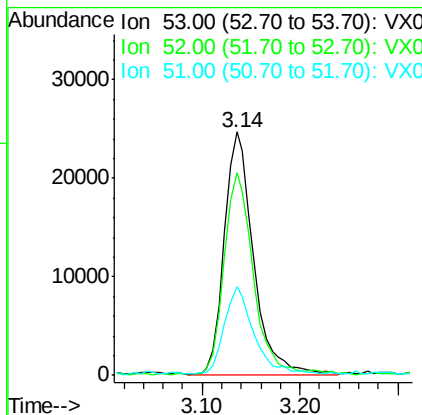
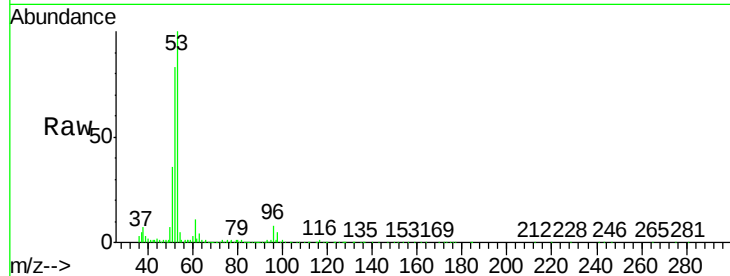
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	50893
Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.7	100.1
51	36.5	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 25.018 ug/l

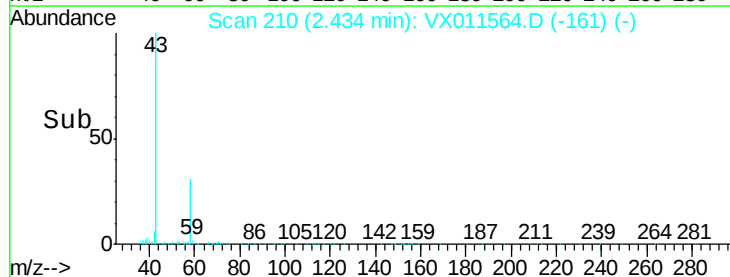
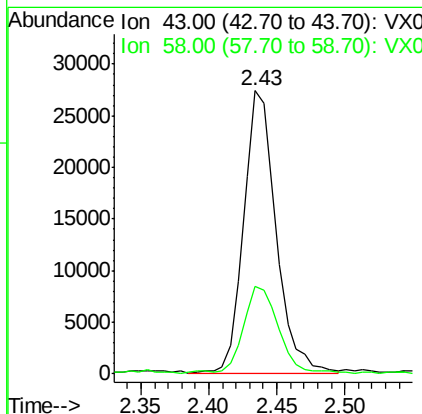
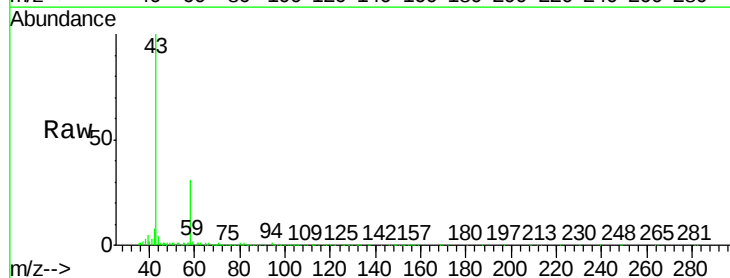
RT: 2.43 min Scan# 210

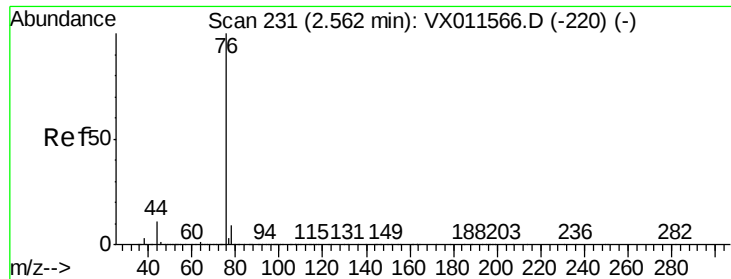
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	43	Resp:	46162
Ion	Ratio	Lower	Upper
43	100		
58	30.1	25.2	37.8





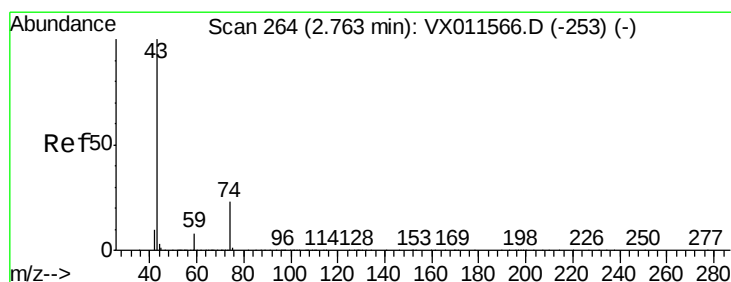
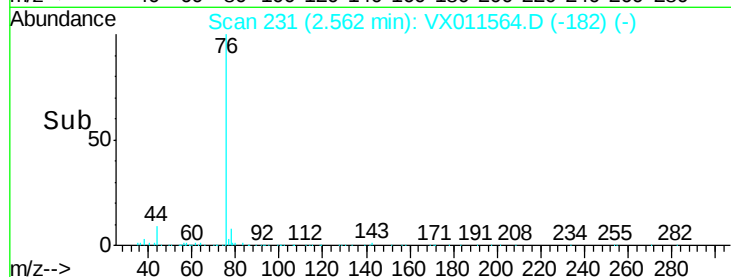
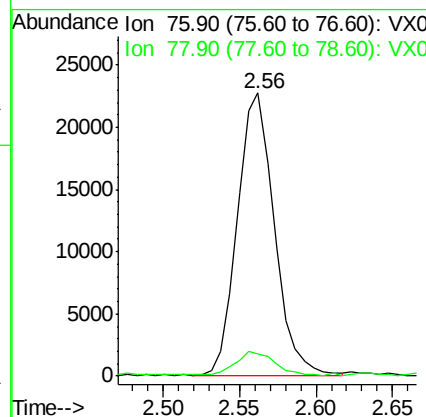
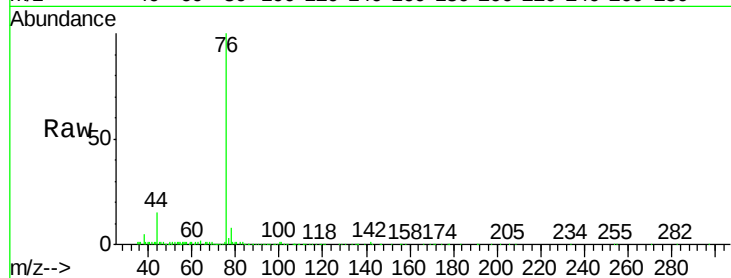
#17
Carbon Disulfide
Concen: 4.458 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	7.2	10.8

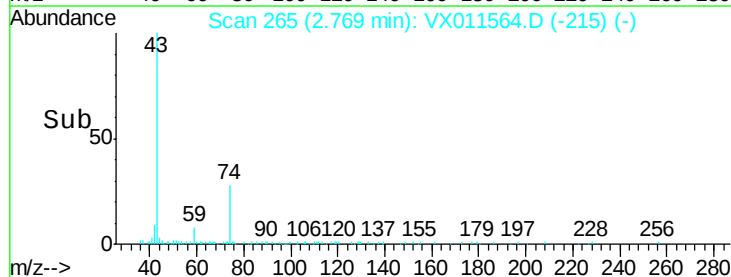
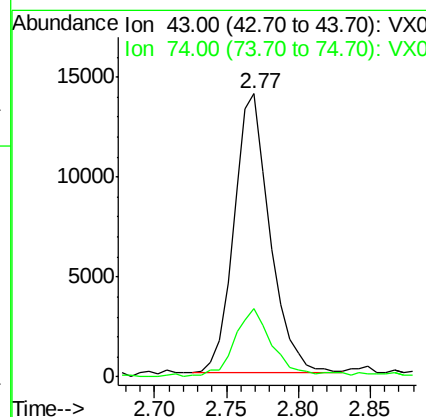
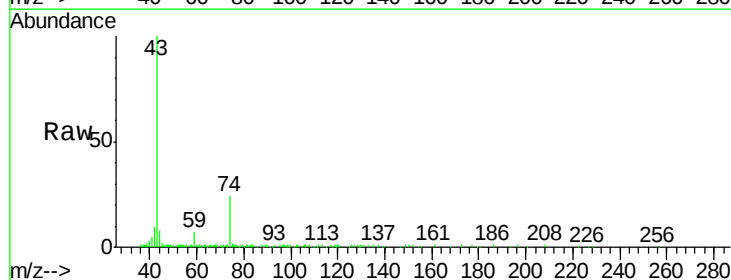
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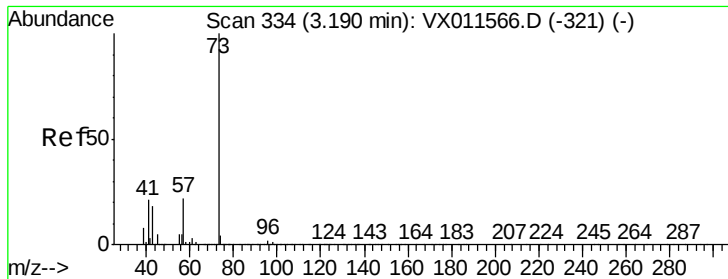
MMDadoda
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#18
Methyl Acetate
Concen: 5.385 ug/l
RT: 2.77 min Scan# 265
Delta R.T. 0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.7	29.5





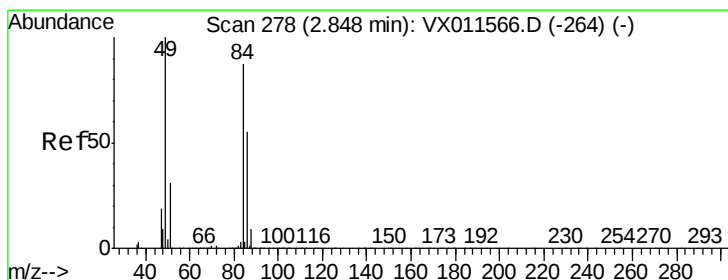
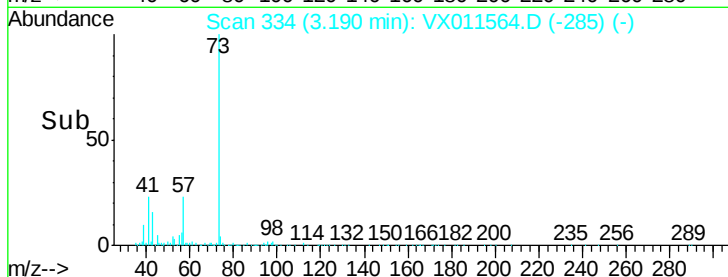
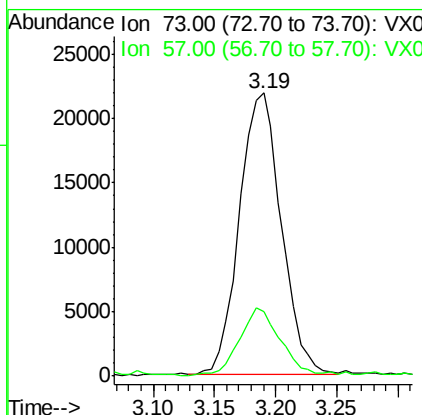
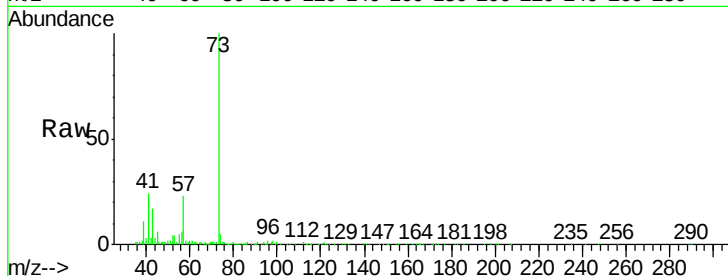
#19
Methvl tert-butvl Ether
Concen: 4.679 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.2	25.8

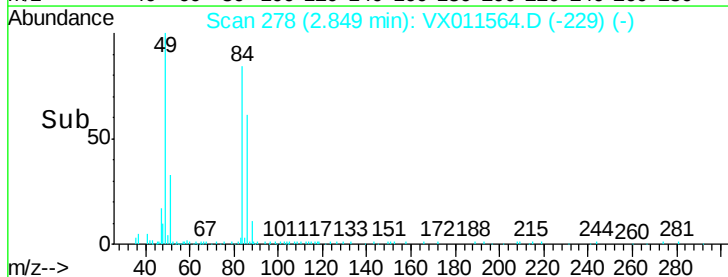
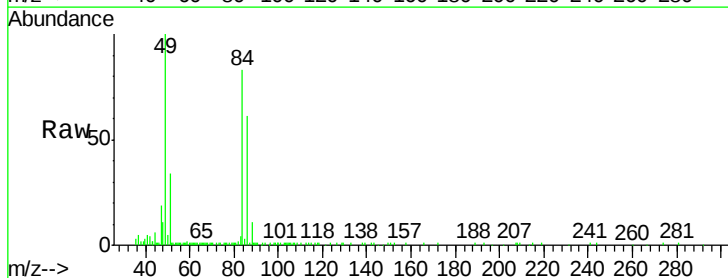
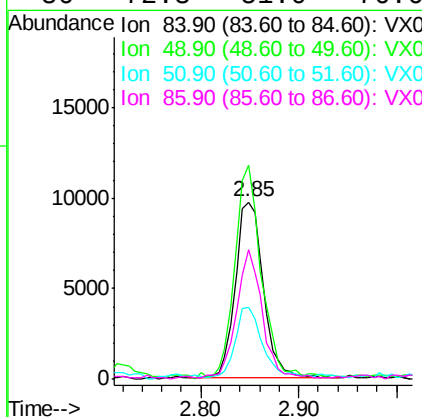
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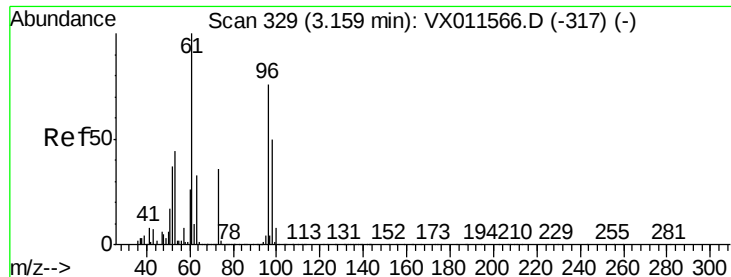
MMDadoda
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#20
Methylene Chloride
Concen: 4.949 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.1	92.4	138.6
51	39.7	28.5	42.7
86	72.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 5.073 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

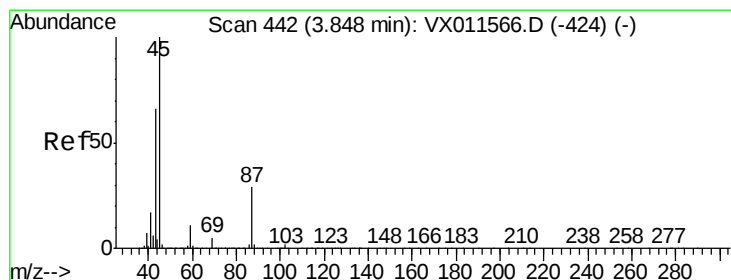
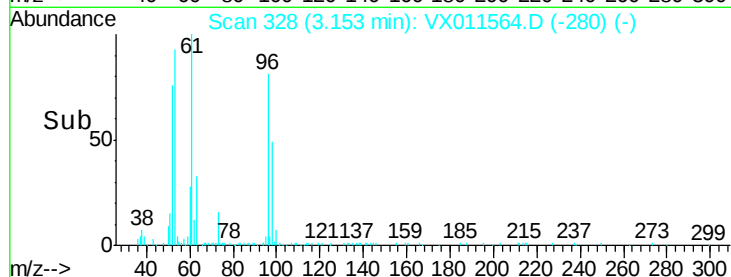
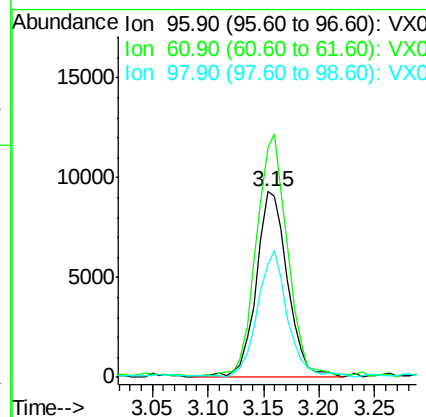
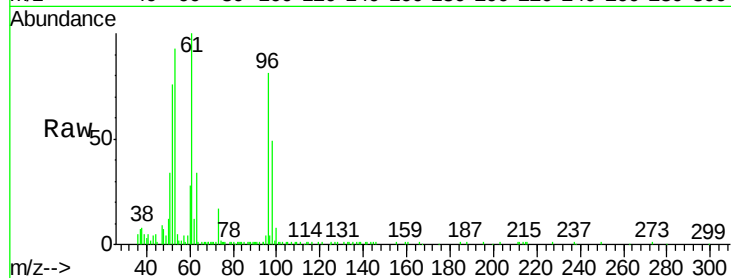
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	18375
Ion	Ratio	Lower	Upper
96	100		
61	122.2	105.5	158.3
98	59.9	52.6	78.8

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#22

Diisopropyl ether

Concen: 5.153 ug/l

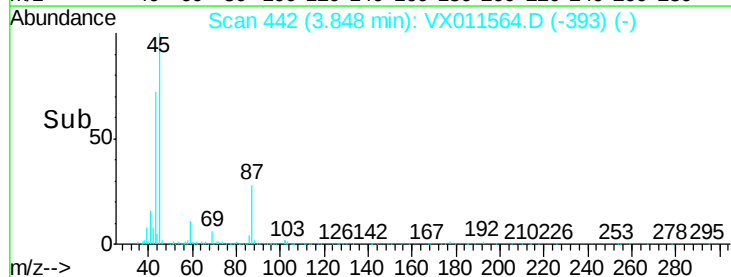
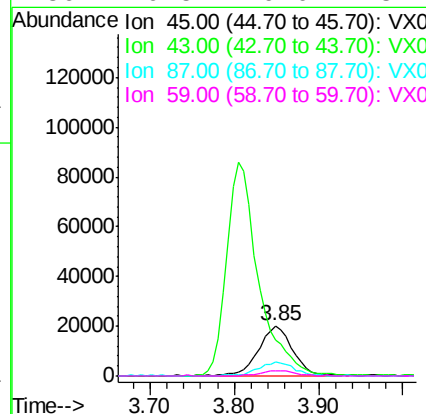
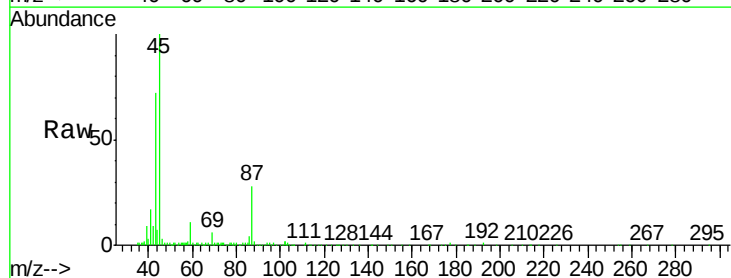
RT: 3.85 min Scan# 442

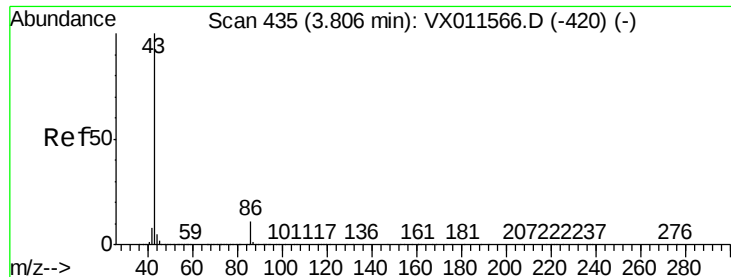
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	45	Resp:	55012
Ion	Ratio	Lower	Upper
45	100		
43	71.9	52.7	79.1
87	28.1	23.5	35.3
59	10.5	9.0	13.4





#23

Vinyl Acetate

Concen: 25.126 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 223475

Ion Ratio Lower Upper

43 100

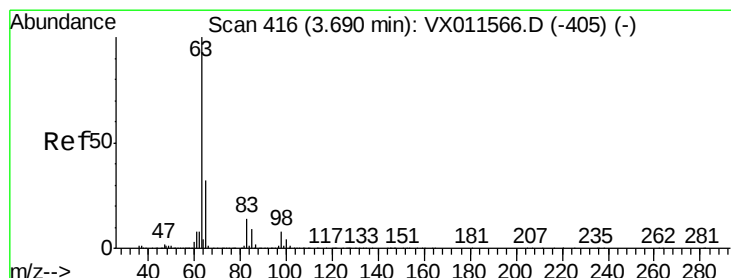
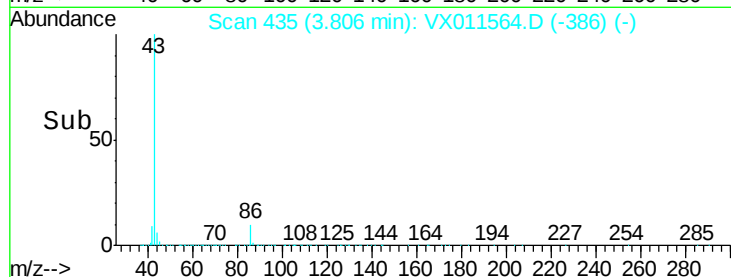
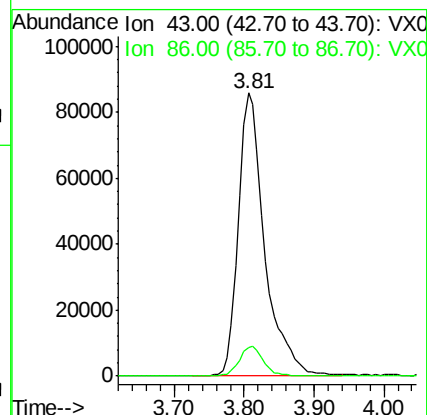
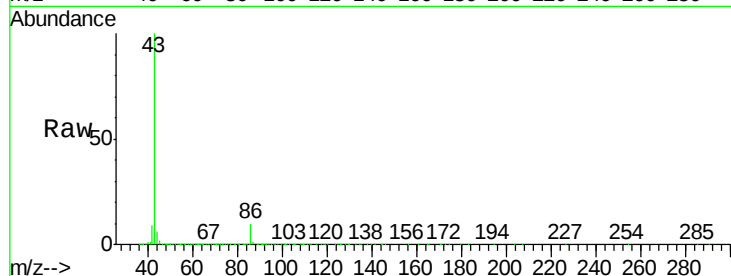
86 9.9 8.6 13.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 5.142 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

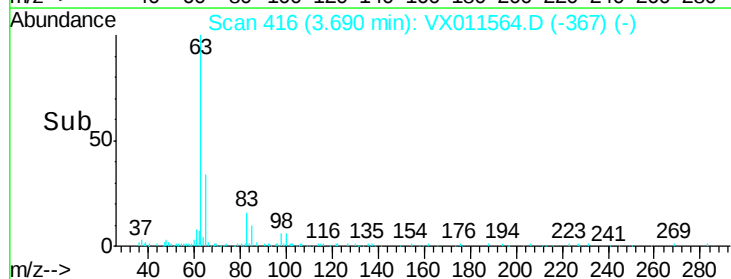
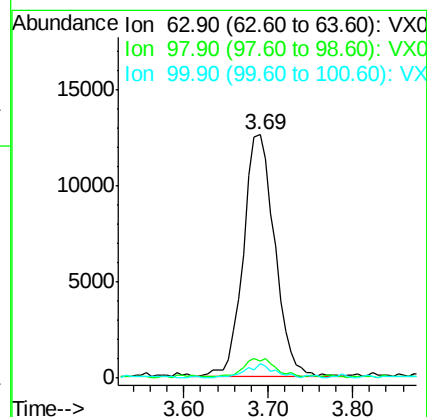
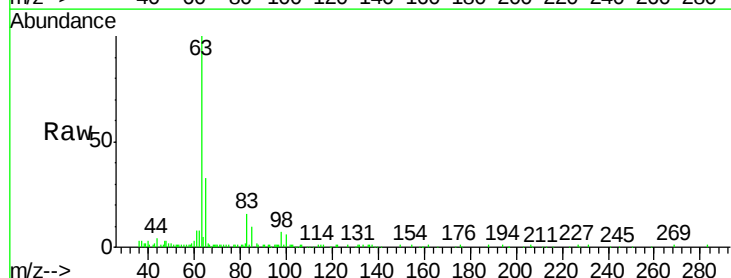
Tgt Ion: 63 Resp: 31600

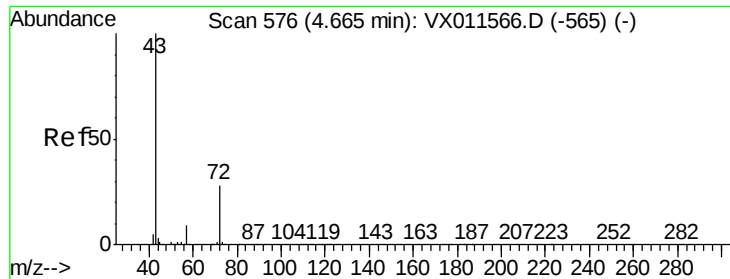
Ion Ratio Lower Upper

63 100

98 6.3 3.7 11.1

100 5.5 2.1 6.3





#25

2-Butanone

Concen: 26.650 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tot Ion: 43 Resp: 71884

Ion Ratio Lower Upper

43 100

72 26.2 22.2 33.4

Instrument :

MSVOA_X

ClientSampleId :

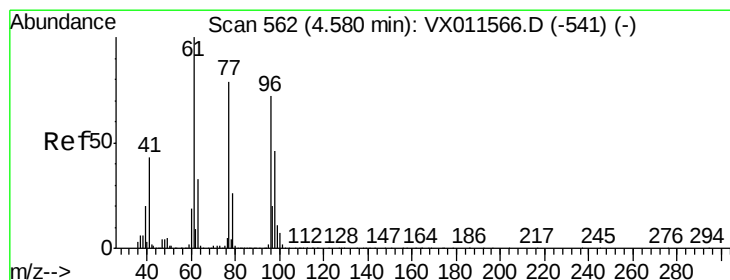
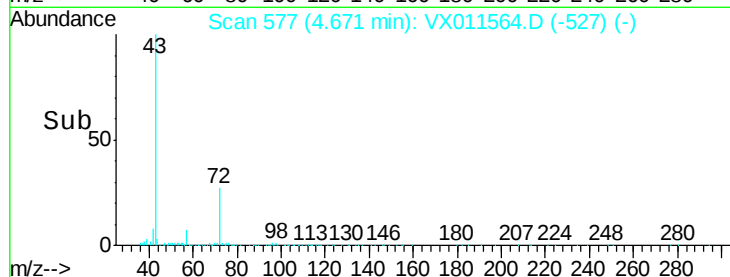
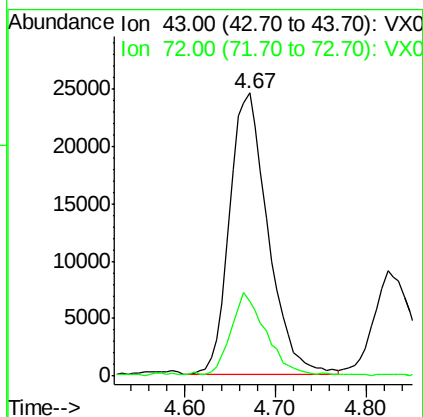
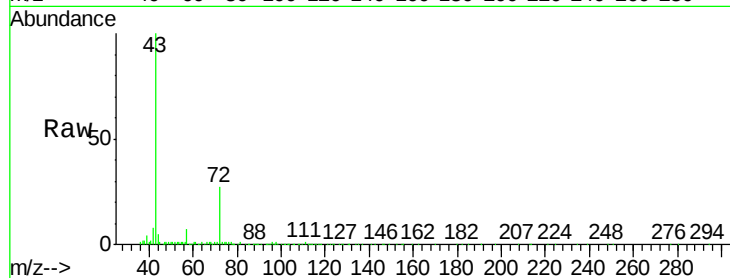
VSTDIC005

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 4.906 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.01 min

Lab File: VX011564.D

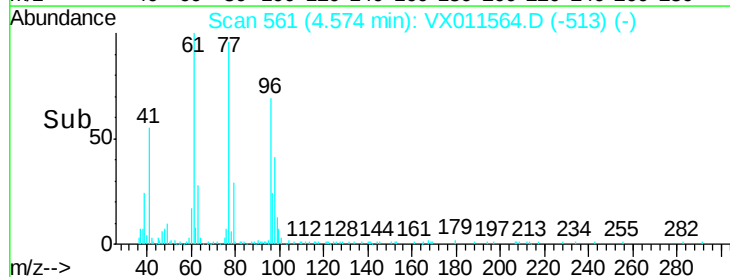
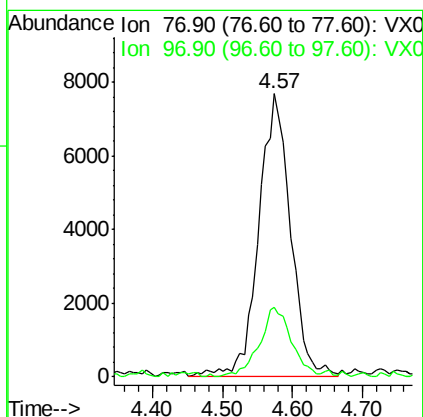
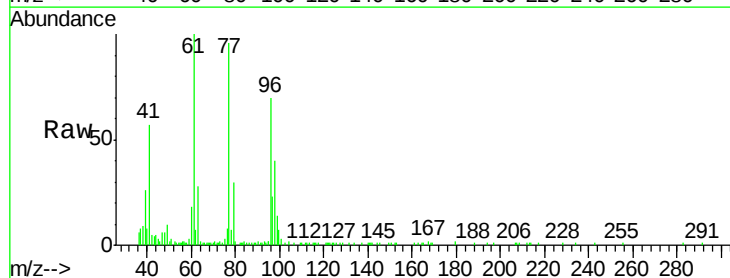
Acq: 15 Aug 2019 18:04

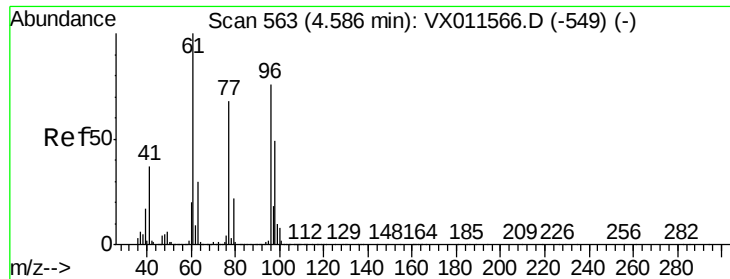
Tgt Ion: 77 Resp: 24373

Ion Ratio Lower Upper

77 100

97 24.5 12.4 37.2





#27

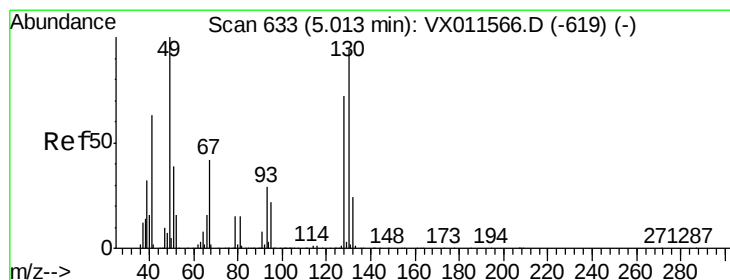
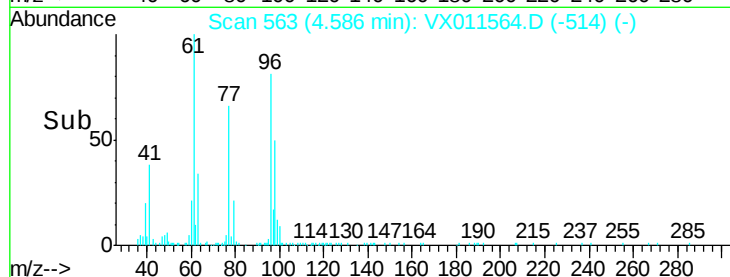
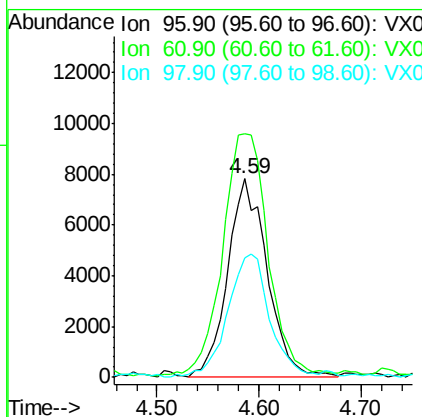
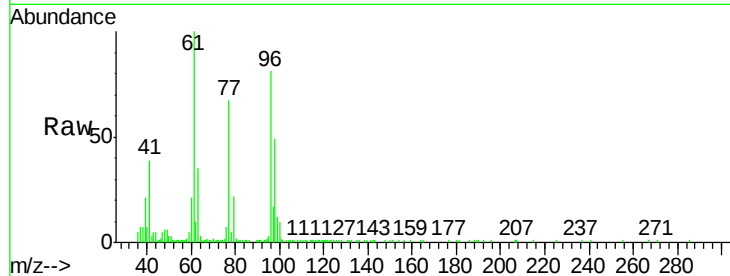
cis-1,2-Dichloroethene
Concen: 5.011 ug/l
RT: 4.59 min Scan# 563
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	272.6
98	65.7	0.0	129.4

Manual Integrations
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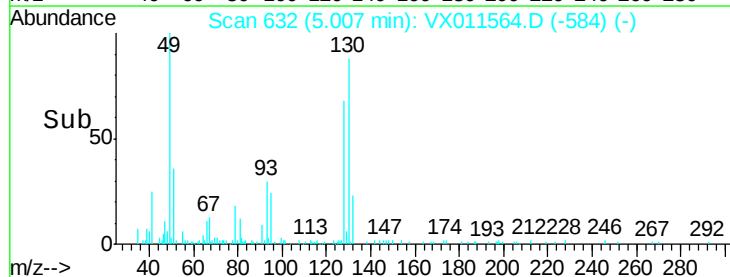
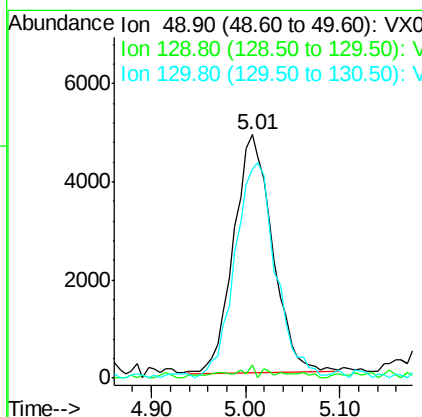
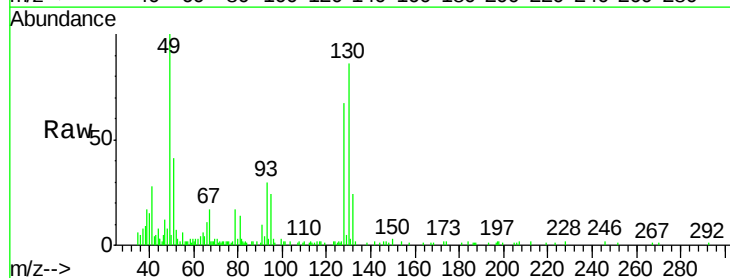
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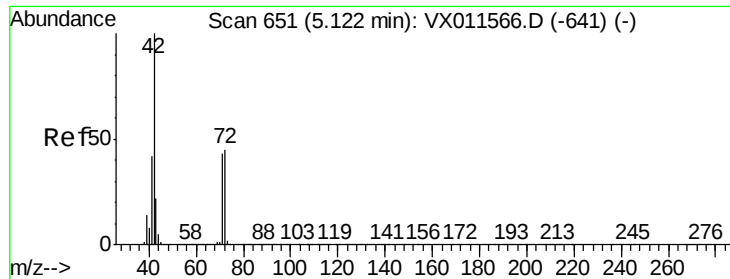


#28

Bromochloromethane
Concen: 4.869 ug/l
RT: 5.01 min Scan# 632
Delta R.T. -0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	5.0
130	94.9	76.6	115.0





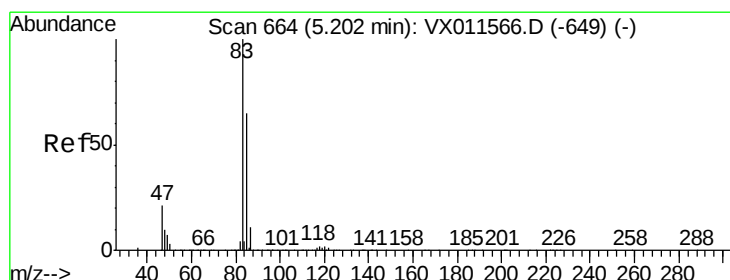
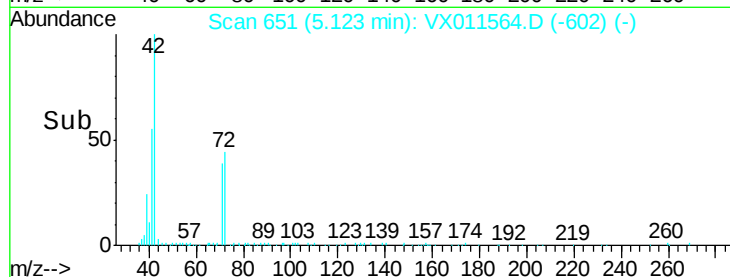
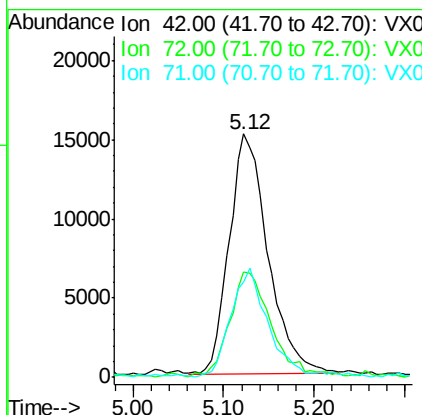
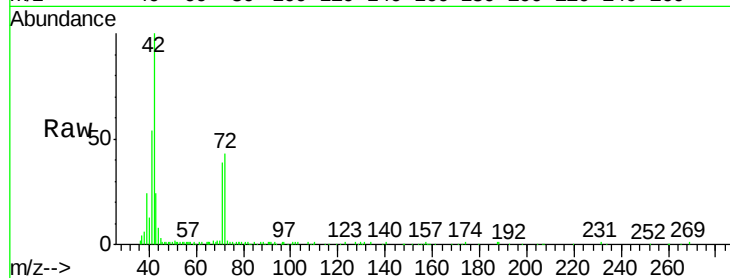
#29
Tetrahydrofuran
Concen: 26.001 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	36.1	54.1
71	42.2	33.8	50.8

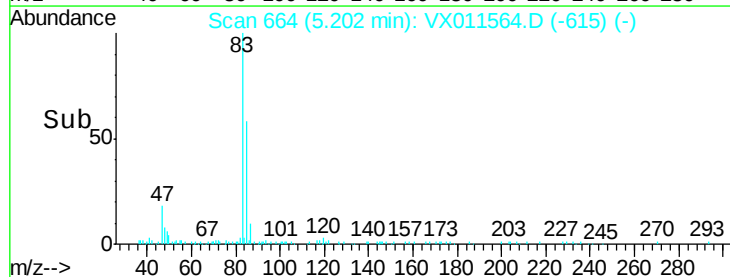
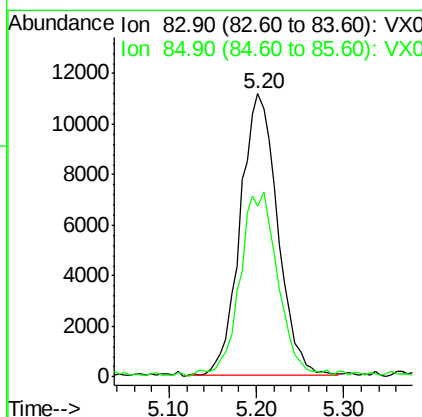
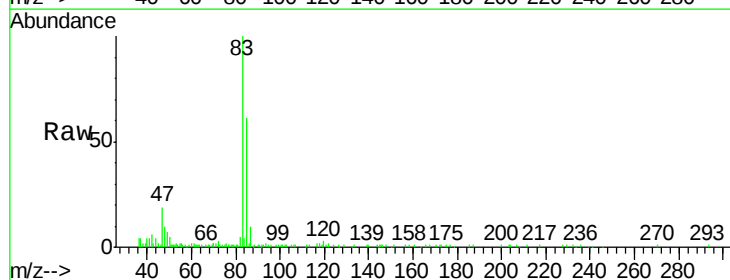
Manual Integrations
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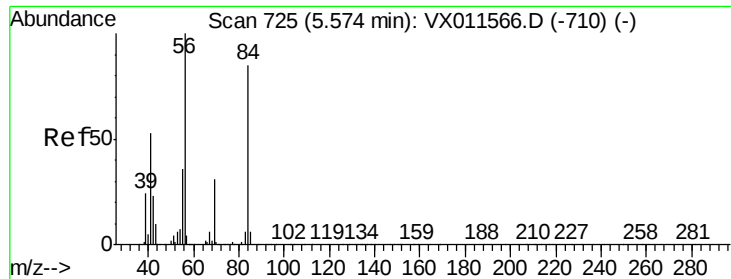
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8/16/2019 8:29:21 AM



#30
Chloroform
Concen: 5.002 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	51.9	77.9





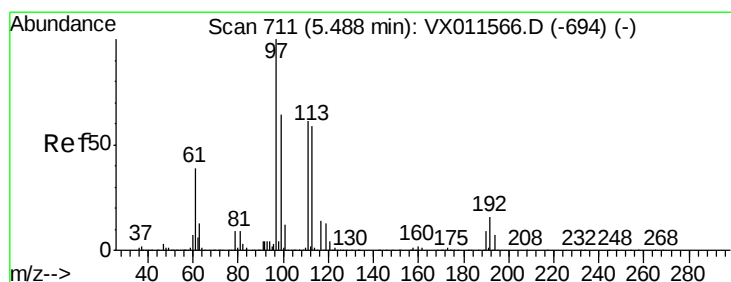
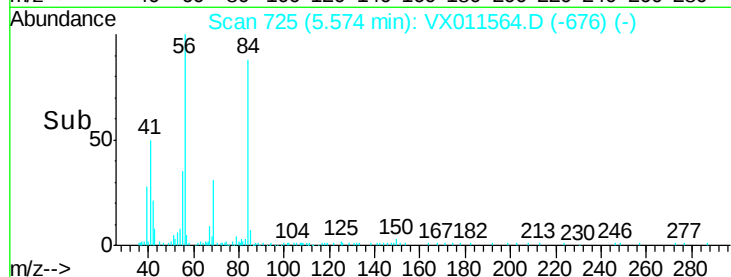
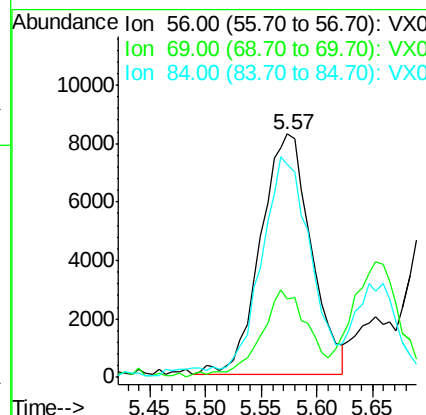
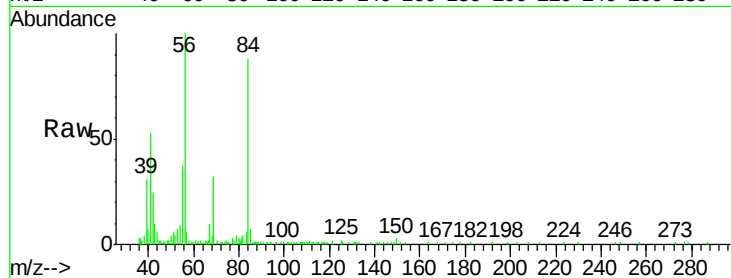
#31
Cyclohexane
Concen: 4.668 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	24.8	37.2
84	84.9	67.9	101.9

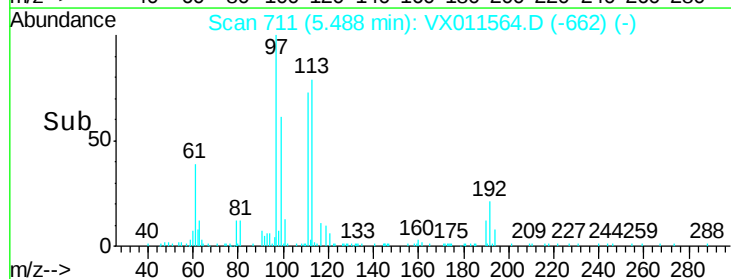
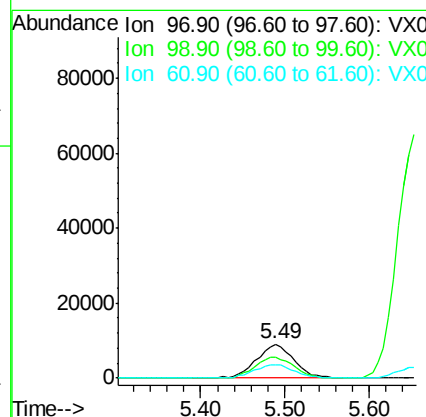
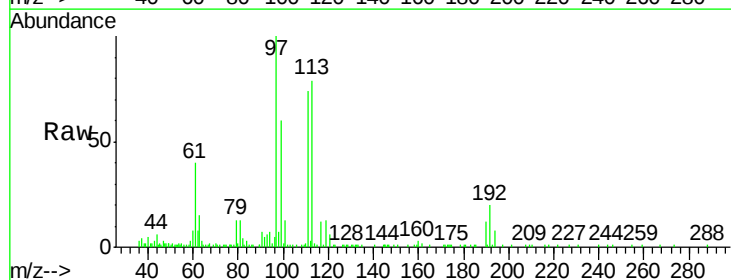
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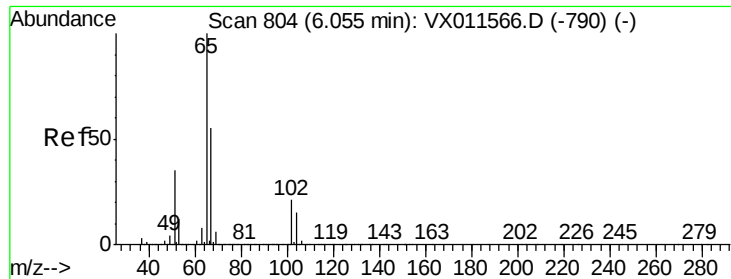
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#32
1,1,1-Trichloroethane
Concen: 4.787 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.1	51.4	77.0
61	43.3	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 5.582 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 22172

Ion Ratio Lower Upper

65 100

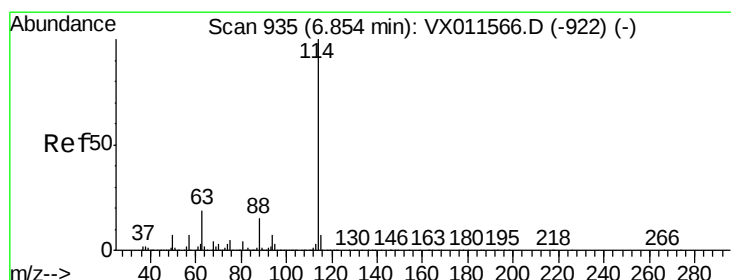
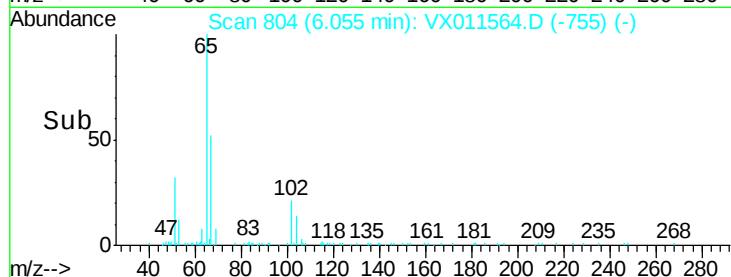
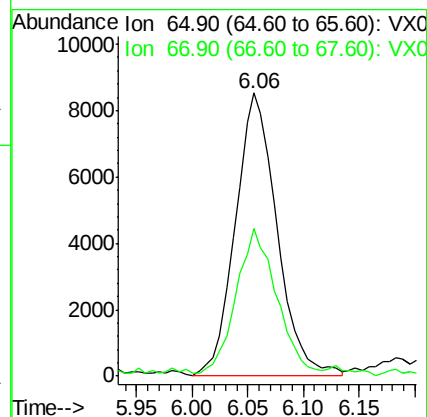
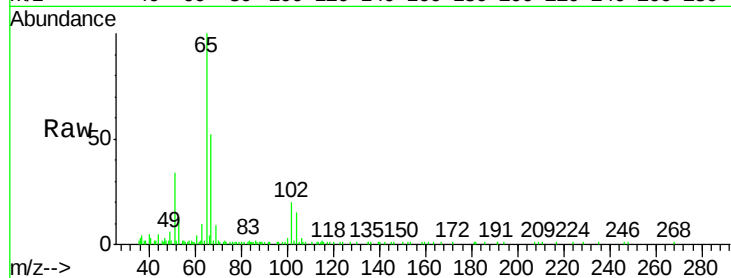
67 49.1 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

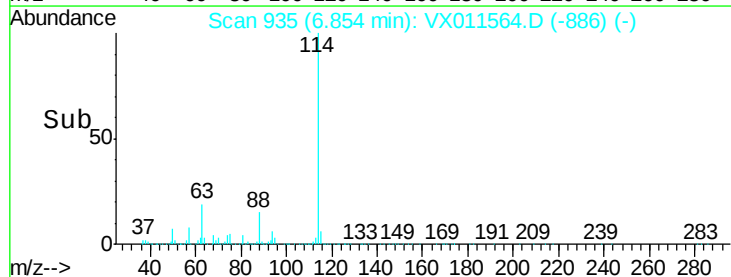
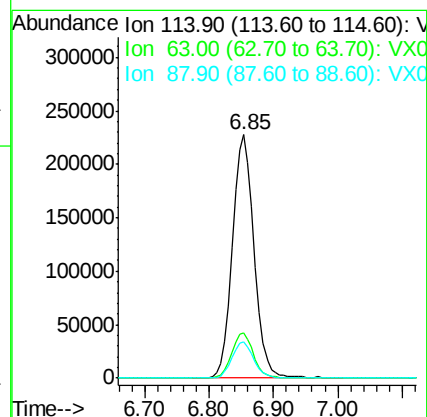
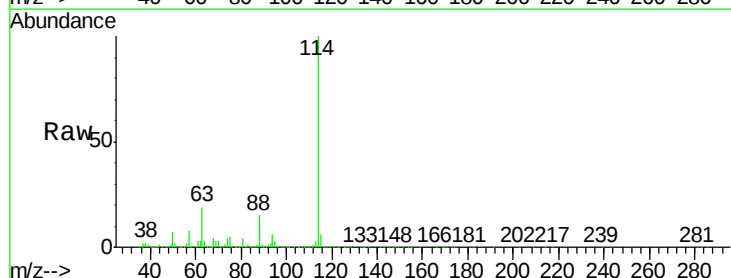
Tgt Ion: 114 Resp: 538345

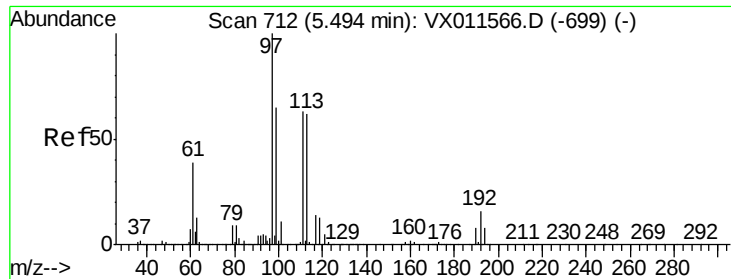
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.8

88 15.0 0.0 30.2





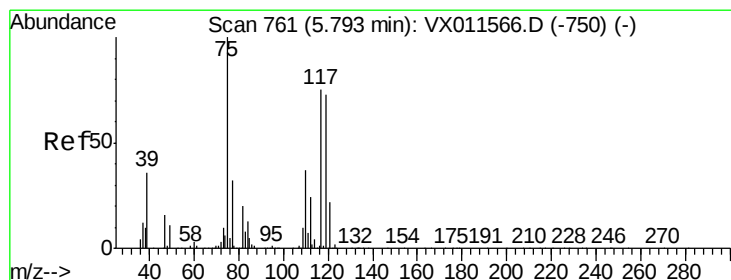
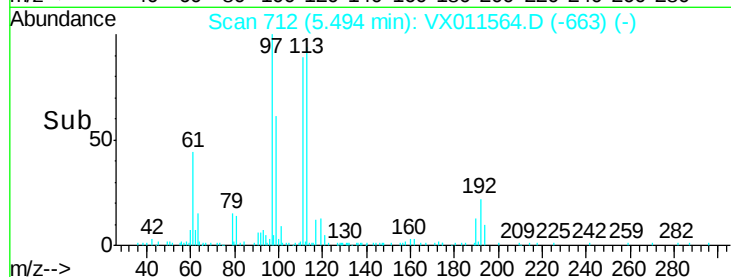
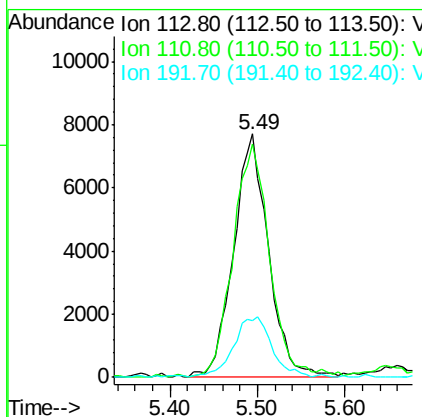
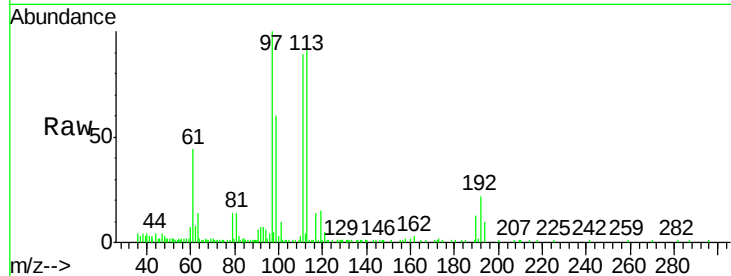
#35
 Dibromofluoromethane
 Concen: 6.321 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.1	121.7
192	27.1	20.8	31.2

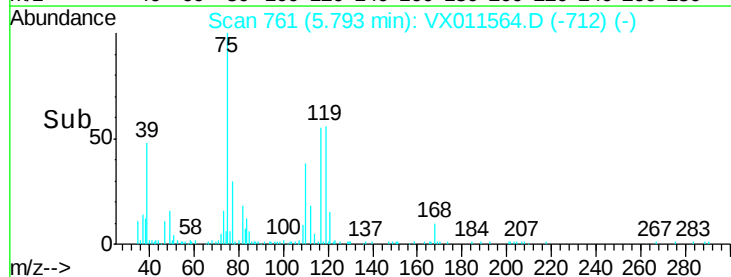
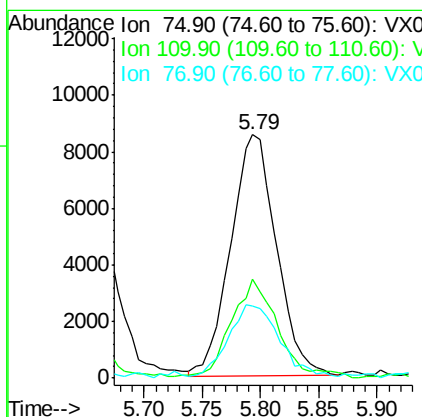
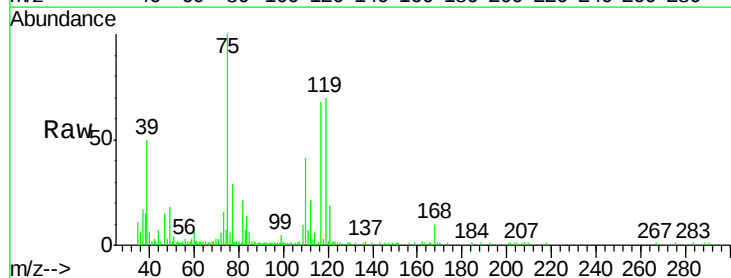
Manual Integrations
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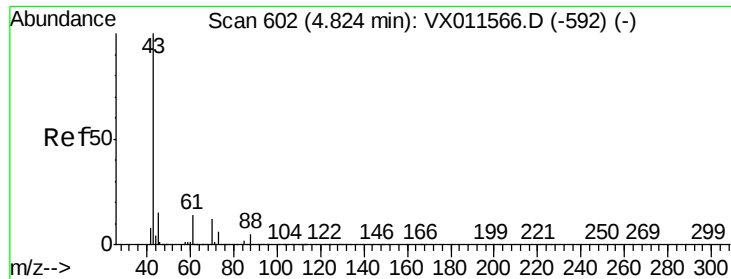
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#36
 1,1-Dichloropropene
 Concen: 5.227 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	42.0	19.4	58.1
77	32.5	25.1	37.7





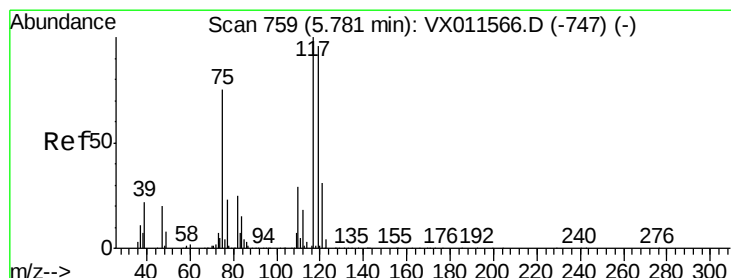
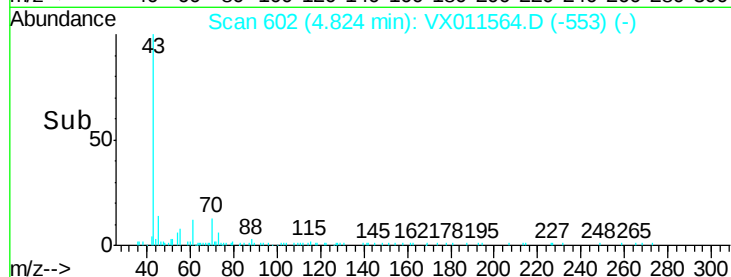
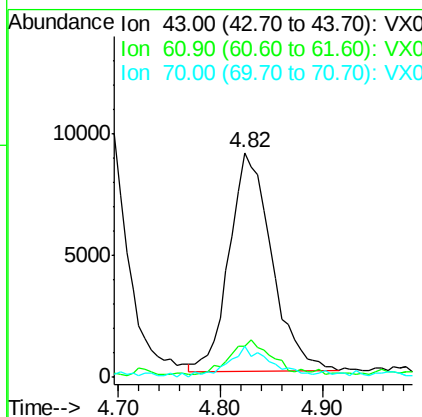
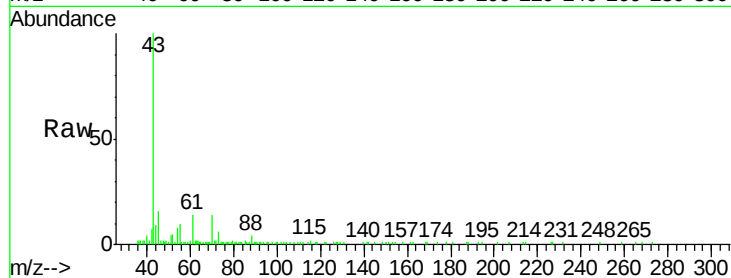
#37
Ethyl Acetate
Concen: 5.593 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.4	17.0
70	14.3	9.0	13.6

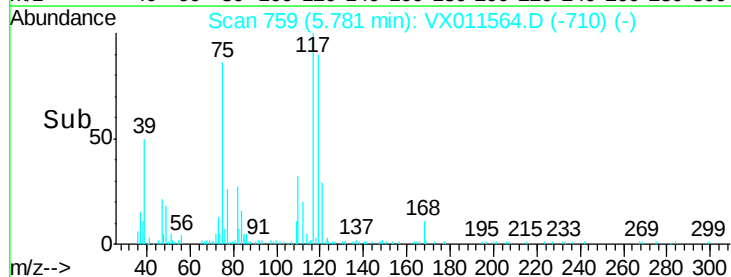
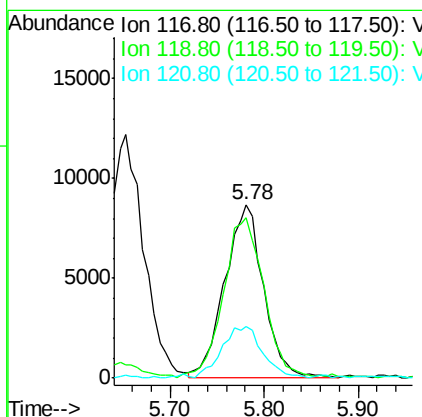
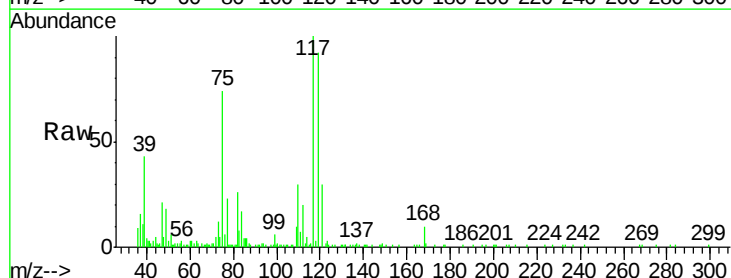
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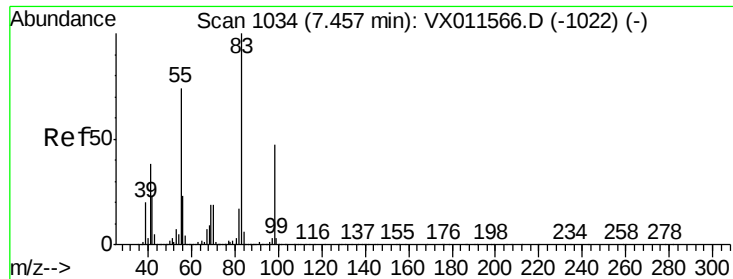
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#38
Carbon Tetrachloride
Concen: 5.279 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.9	76.9	115.3
121	29.1	24.8	37.2





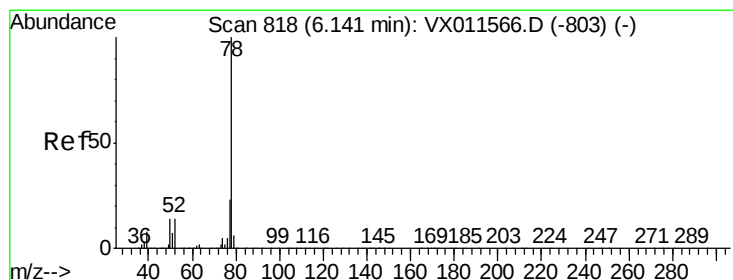
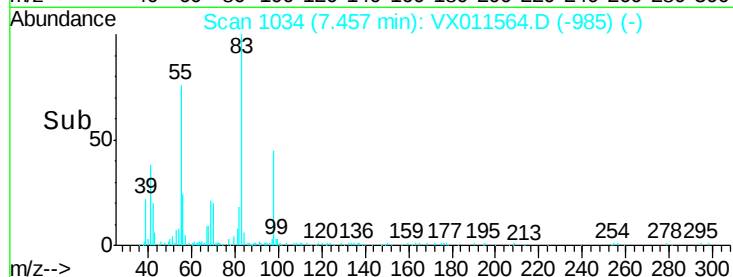
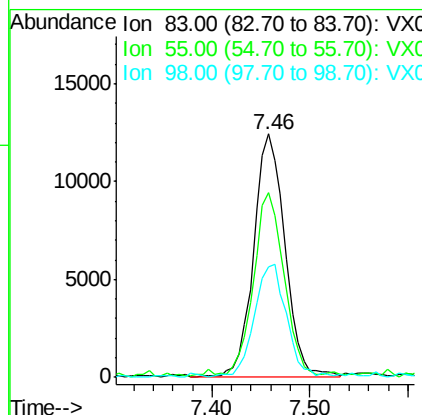
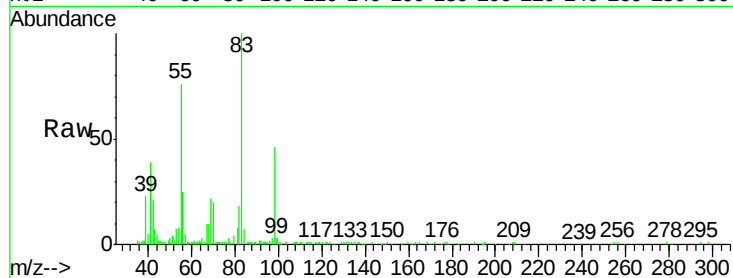
#39
Methvlcvclohexane
Concen: 4.824 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.2	58.8	88.2
98	44.1	37.8	56.6

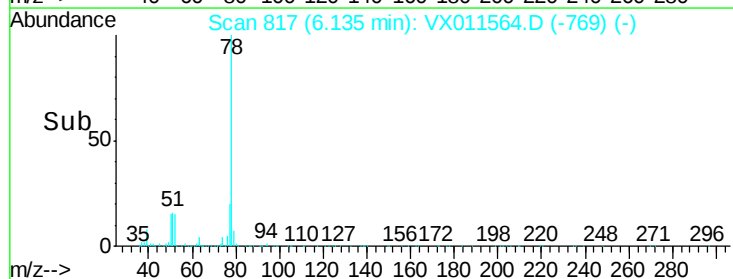
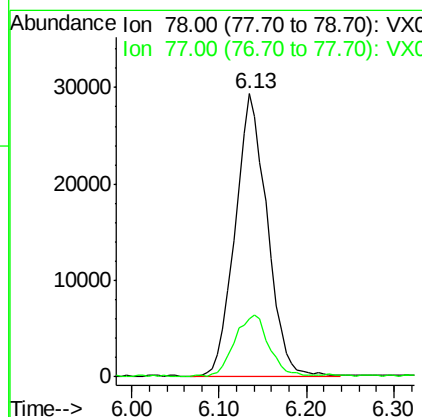
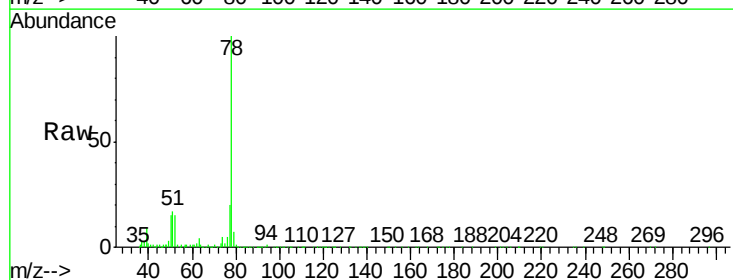
Manual Integrations
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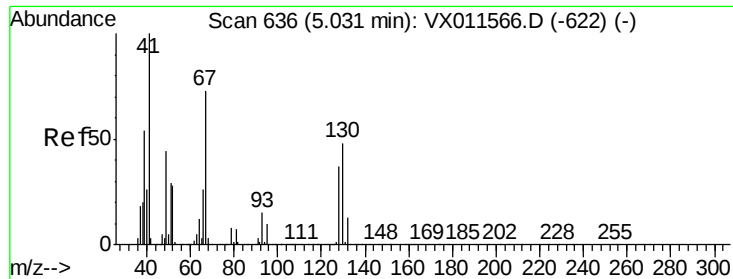
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#40
Benzene
Concen: 5.481 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.6	28.0





#41

Methacrylonitrile

Concen: 5.300 ug/l

RT: 5.04 min Scan# 637

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

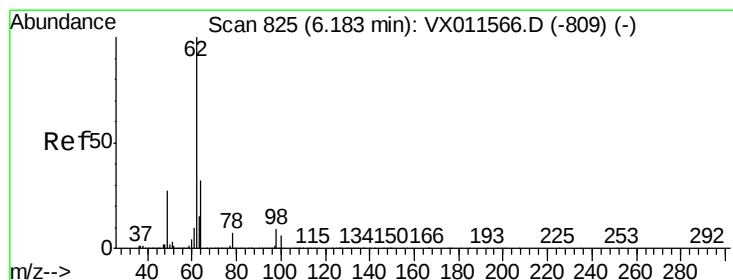
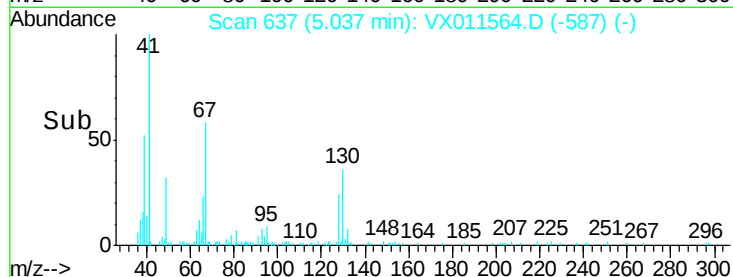
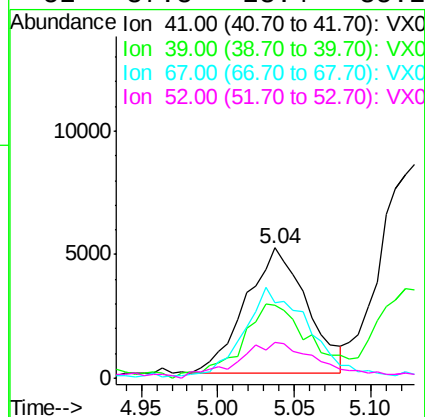
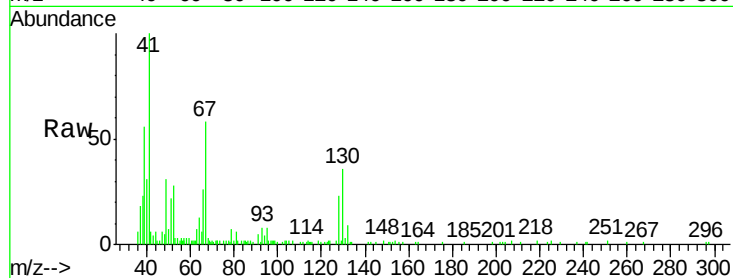
ClientSampleId :

VSTDIC005

Tot Ion:	41	Resp:	14184
Ion Ratio	Lower	Upper	
41	100		
39	66.7	43.5	65.3#
67	72.8	59.4	89.2
52	37.8	23.4	35.2#

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#42

1,2-Dichloroethane

Concen: 5.544 ug/l

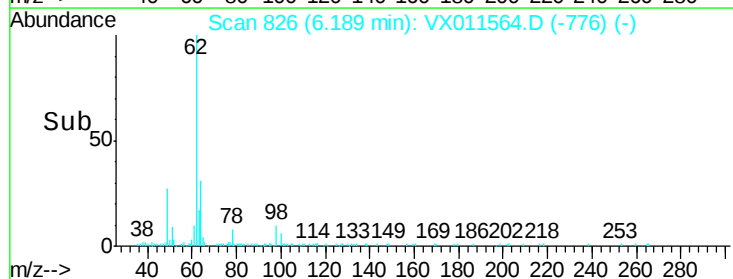
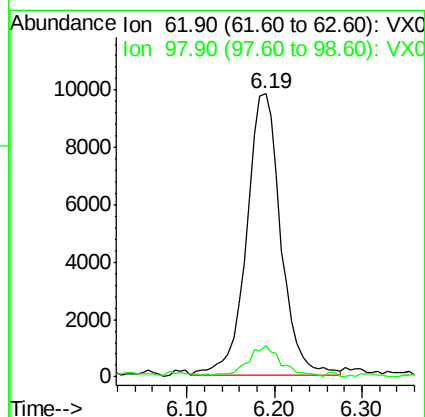
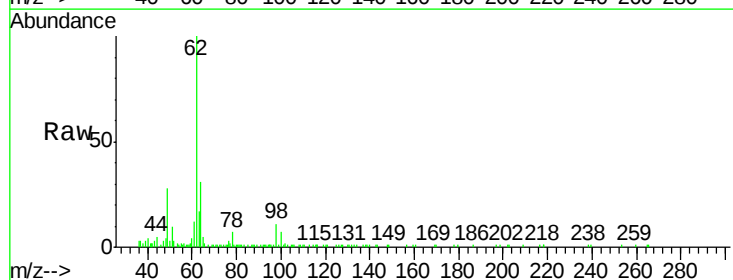
RT: 6.19 min Scan# 826

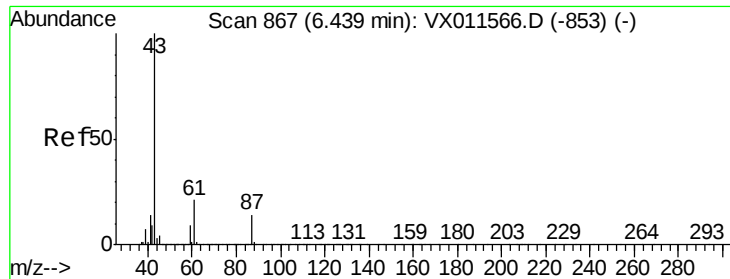
Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	62	Resp:	26633
Ion Ratio	Lower	Upper	
62	100		
98	11.2	0.0	19.4





#43

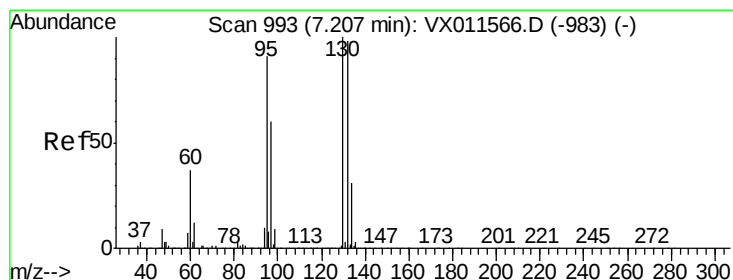
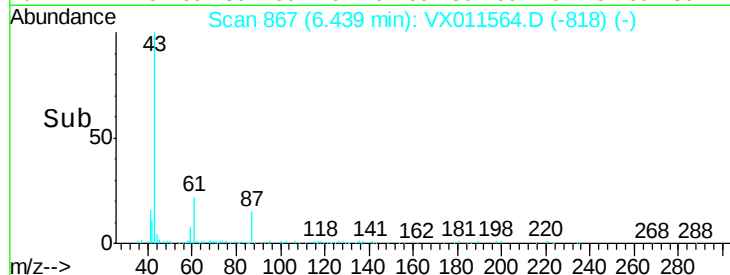
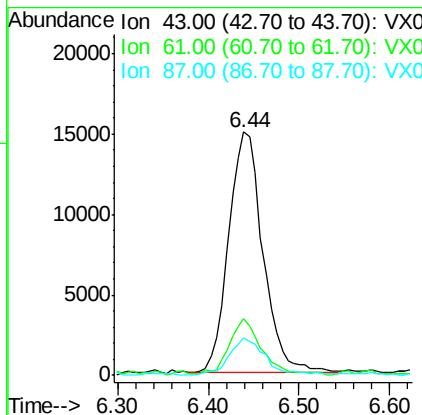
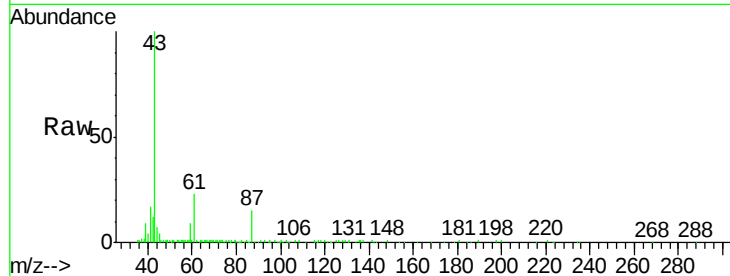
Isopropyl Acetate
 Concen: 5.188 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.4	16.6	24.8
87	15.4	11.4	17.2

Manual Integrations
 APPROVED

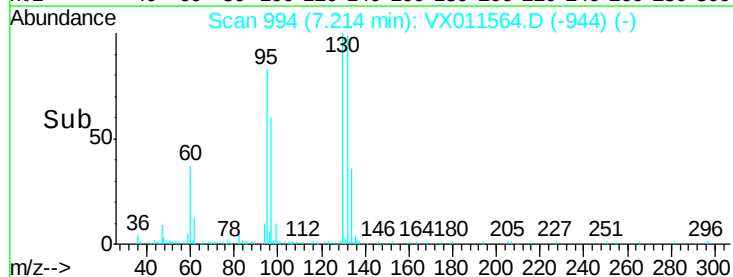
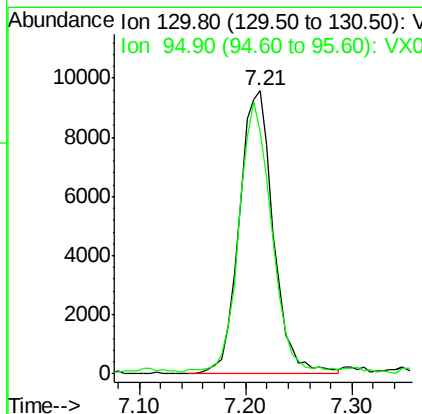
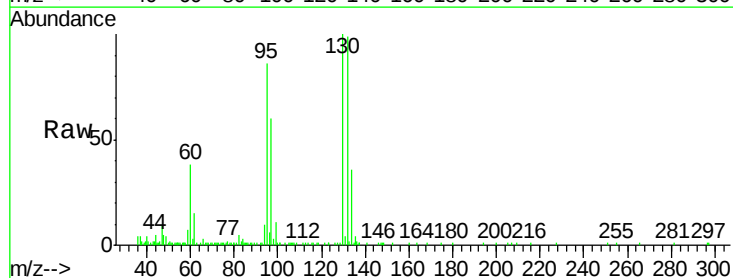
MMDadoda
 8/16/2019 8:29:21 AM

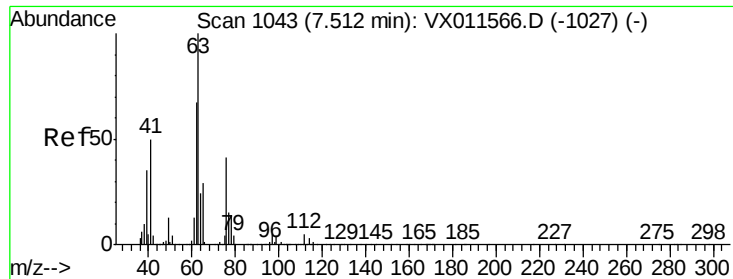


#44

Trichloroethene
 Concen: 5.289 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.3	0.0	181.4





#45

1,2-Dichloropropane

Concen: 5.194 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tot Ion: 63 Resp: 18184

Ion Ratio Lower Upper

63 100

65 32.3 23.4 35.2

Instrument :

MSVOA_X

ClientSampleId :

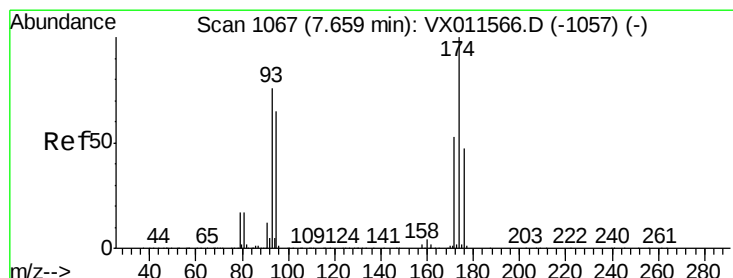
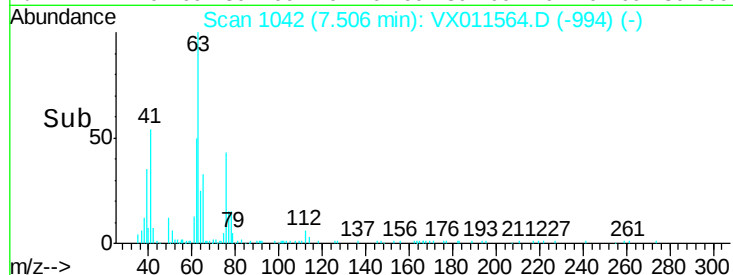
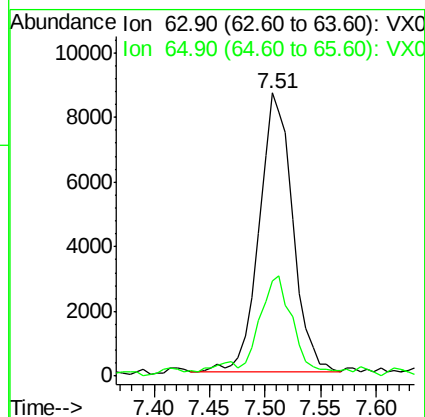
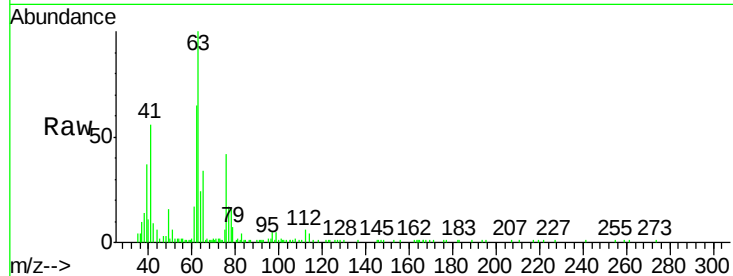
VSTDIC005

Manual Integrations

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8/16/2019 8:29:21 AM



#46

Dibromomethane

Concen: 4.984 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

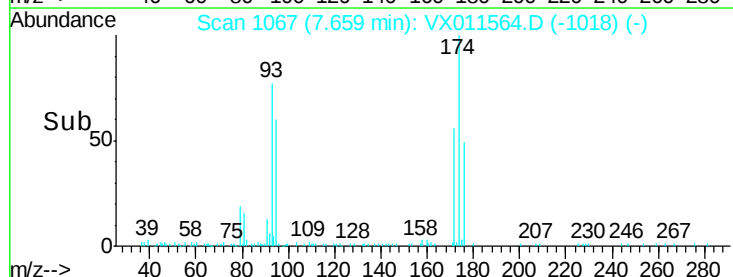
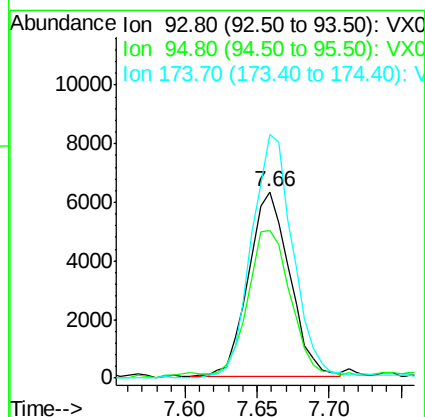
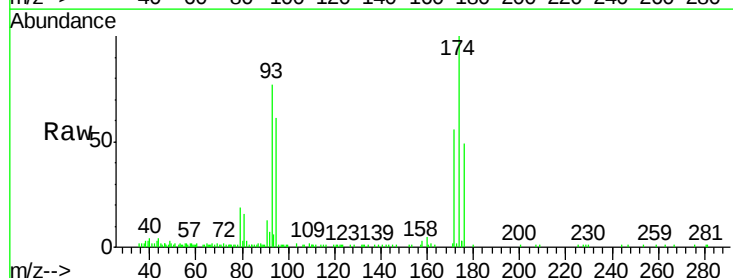
Tgt Ion: 93 Resp: 12356

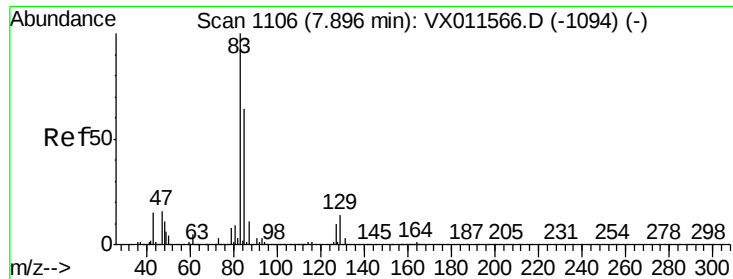
Ion Ratio Lower Upper

93 100

95 85.9 67.2 100.8

174 135.4 105.5 158.3





#47

Bromodichloromethane

Concen: 4.907 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

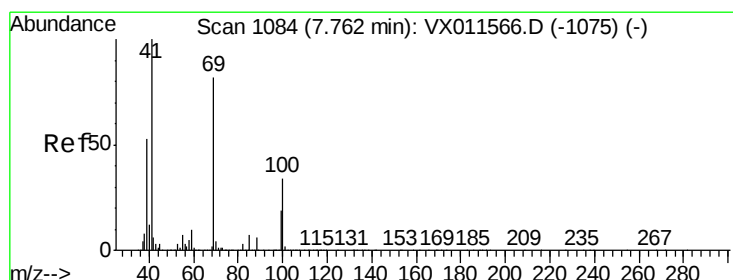
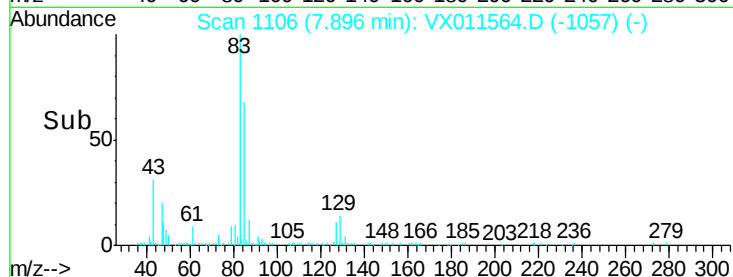
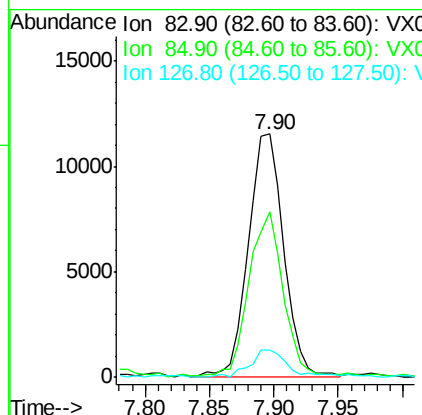
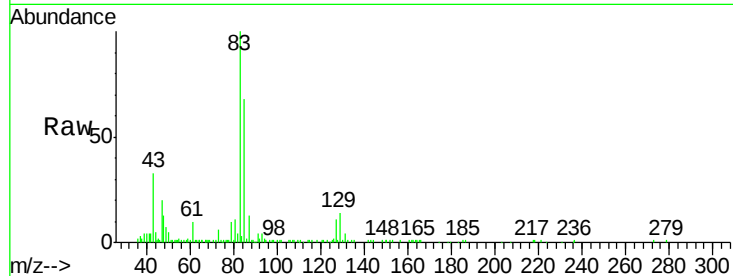
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	21893
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.2	76.8
127	11.3	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.313 ug/l

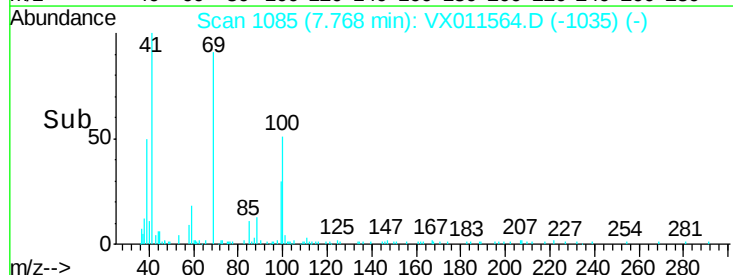
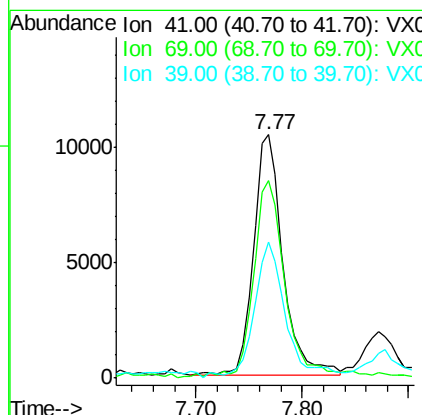
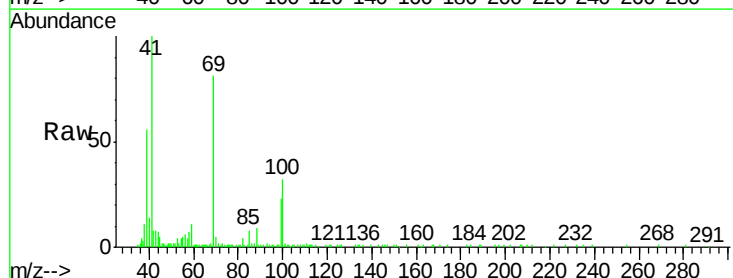
RT: 7.77 min Scan# 1085

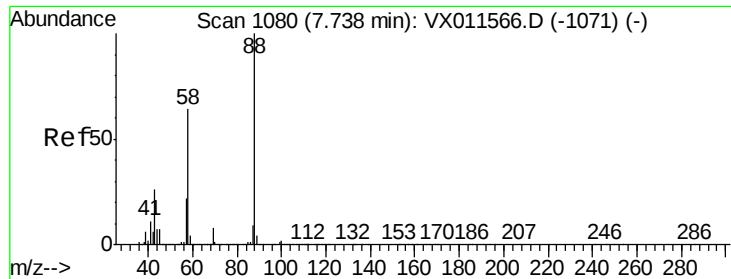
Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	41	Resp:	19917
Ion	Ratio	Lower	Upper
41	100		
69	88.9	67.9	101.9
39	61.1	41.6	62.4





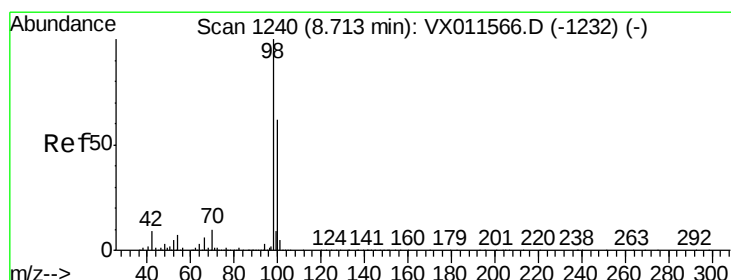
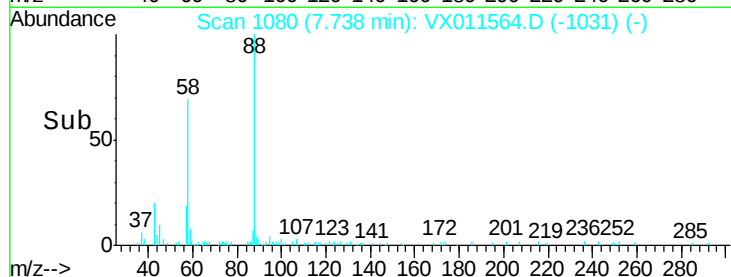
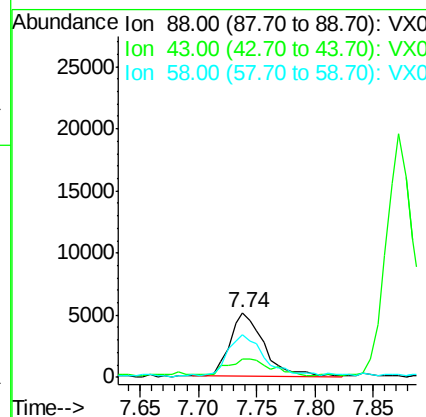
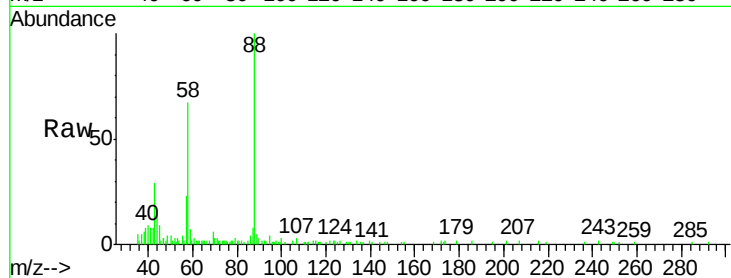
#49
1,4-Dioxane
Concen: 100.803 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.4	23.4	35.0
58	74.5	54.3	81.5

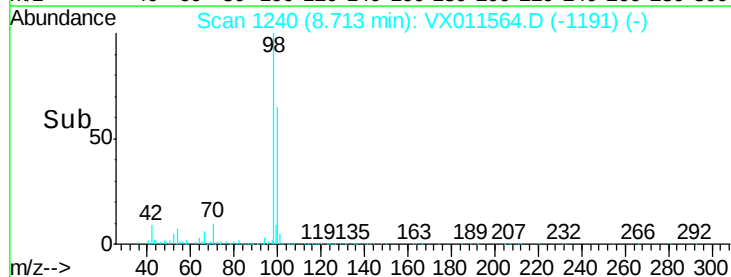
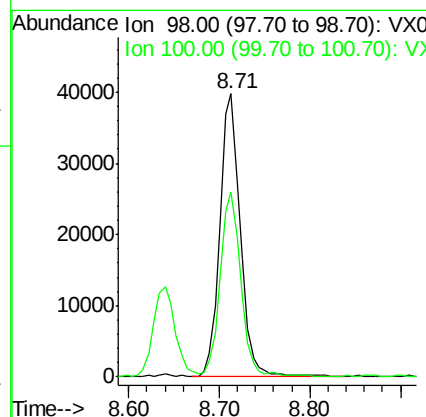
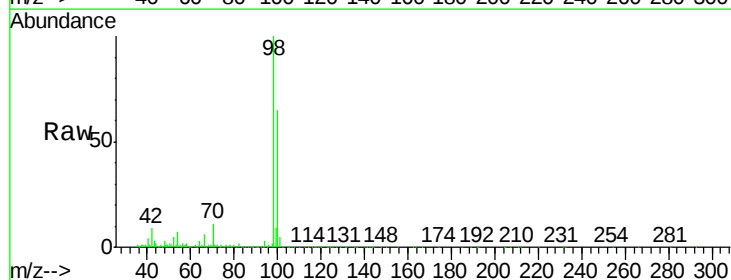
Manual Integrations
APPROVED

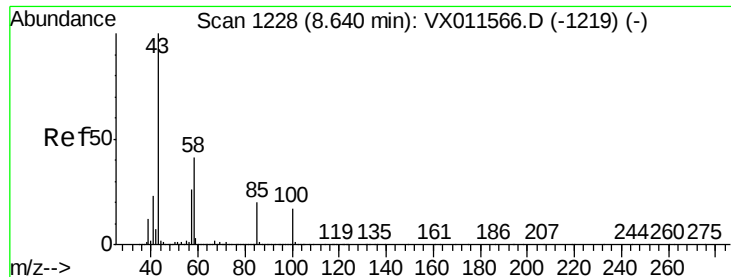
MMDadoda
8/16/2019 8:29:21 AM



#50
Toluene-d8
Concen: 5.081 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6





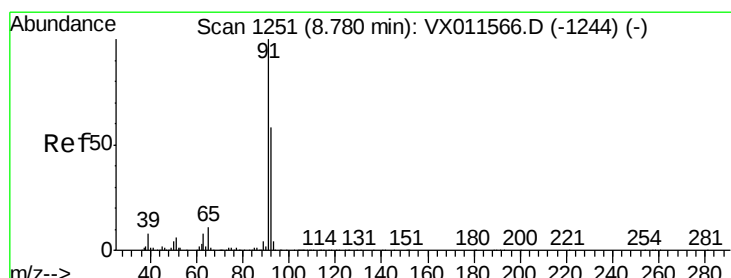
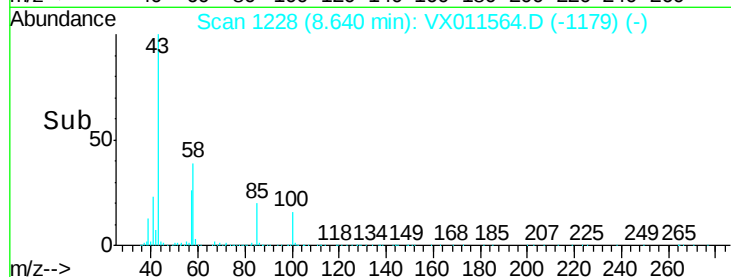
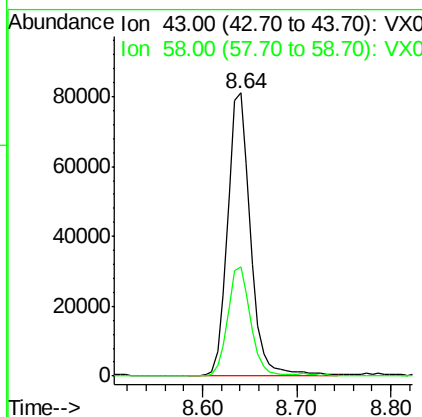
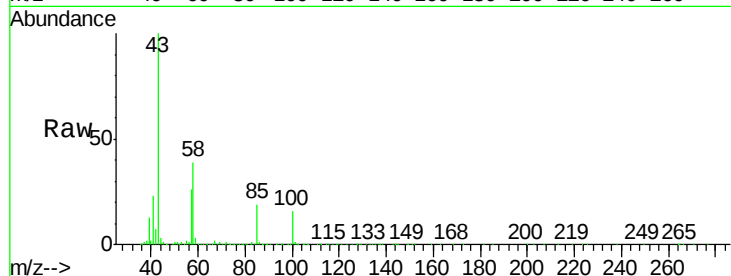
#51
4-Methyl-2-Pentanone
Concen: 27.394 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.8	47.6

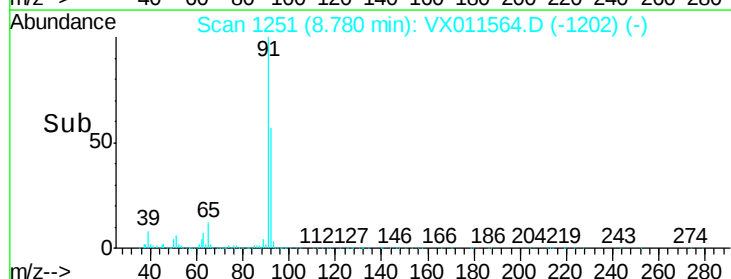
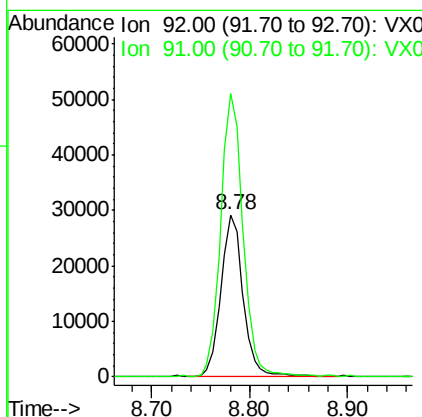
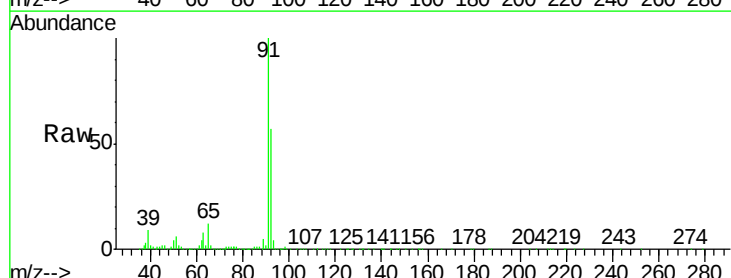
Manual Integrations
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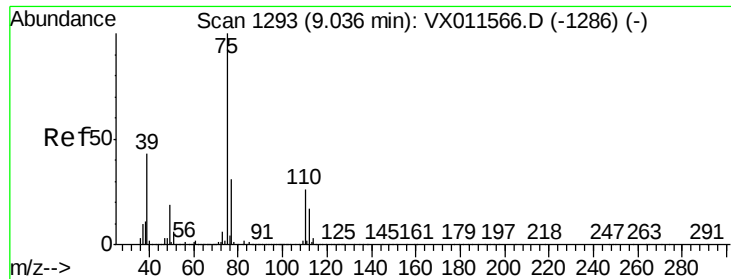
MMDadoda
8/16/2019 8:29:21 AM



#52
Toluene
Concen: 5.115 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.1	138.0	207.0





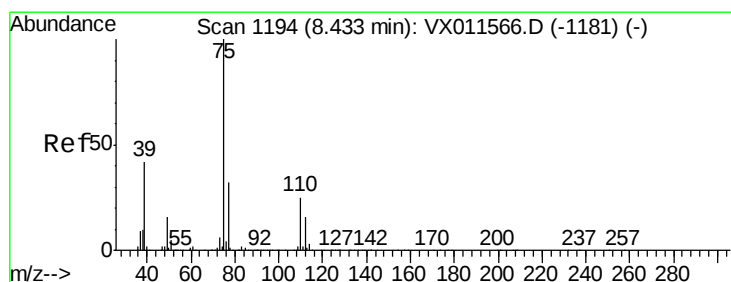
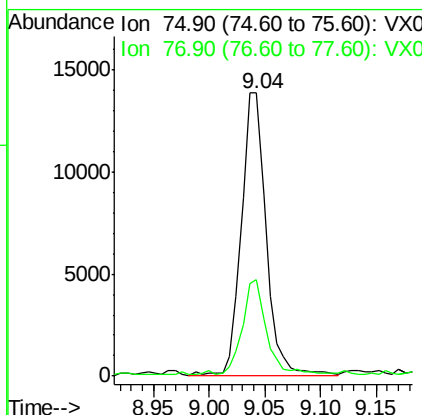
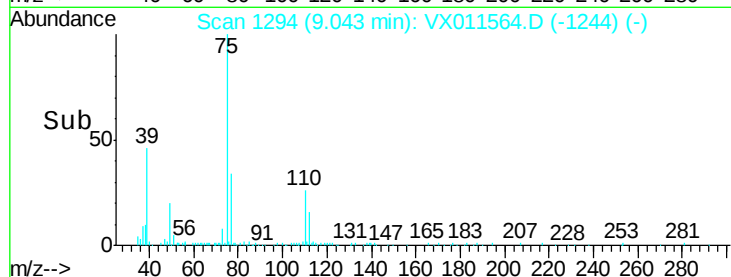
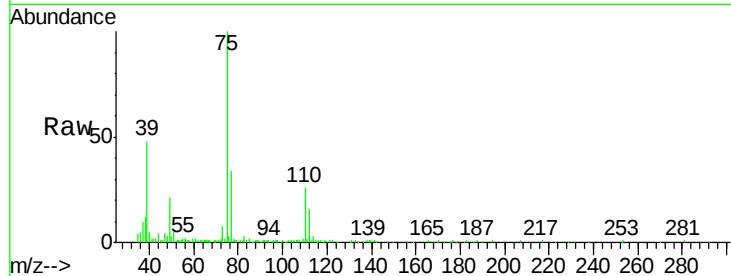
#53
t-1,3-Dichloropropene
Concen: 4.540 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.1	37.7

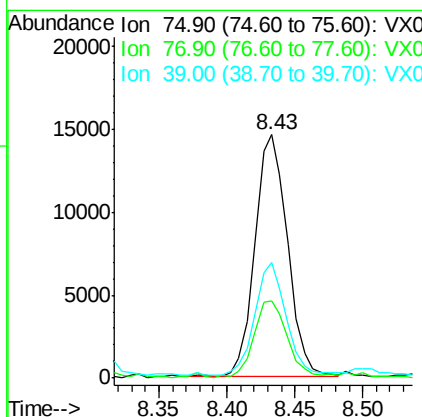
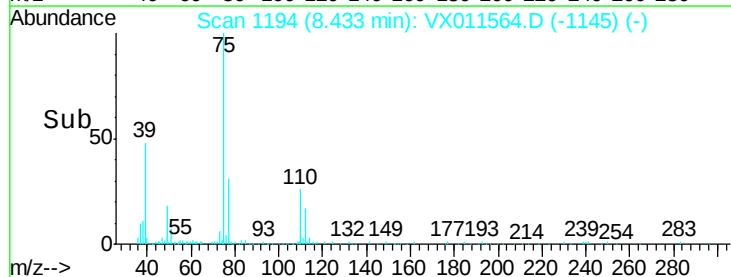
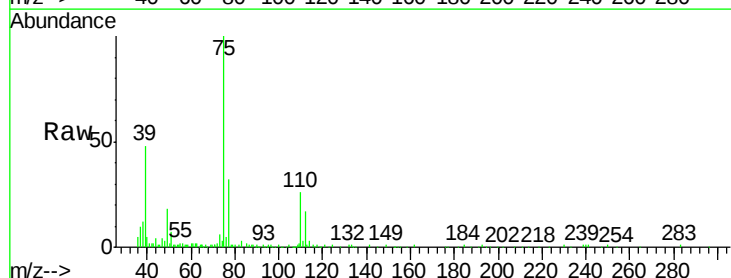
Manual Integrations
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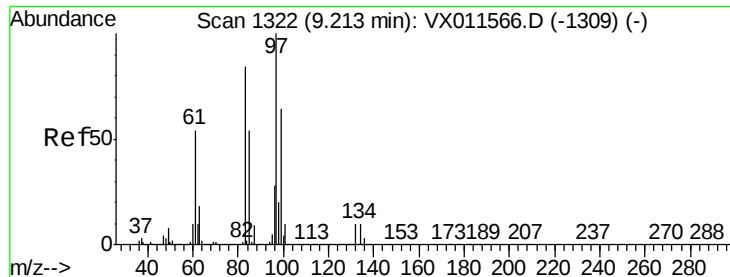
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.646 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.5	38.3
39	46.4	33.6	50.4





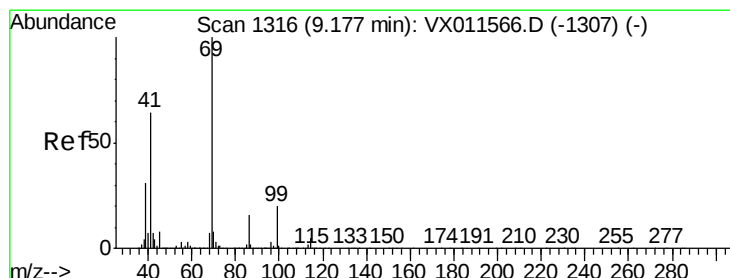
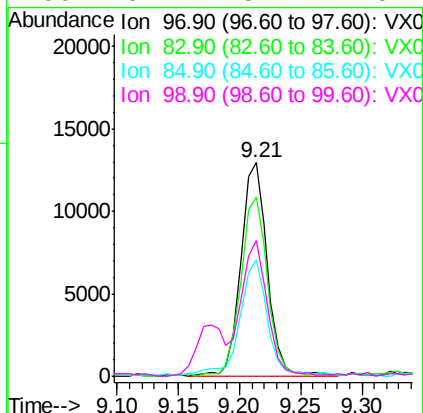
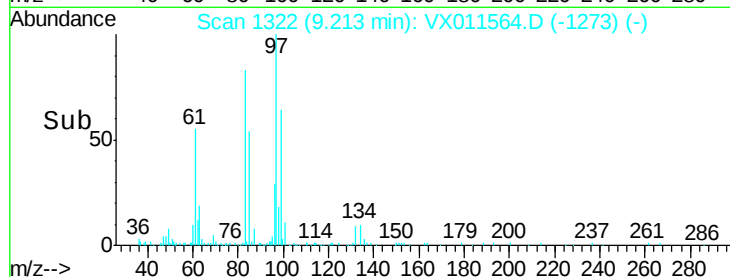
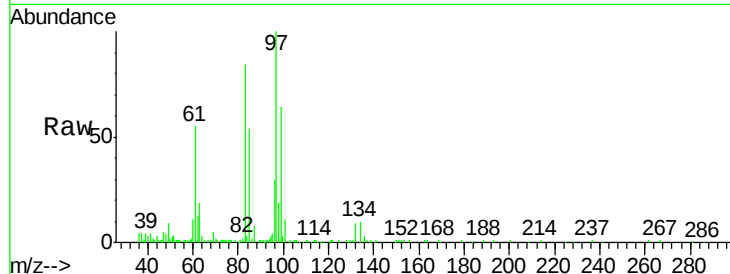
#55
 1,1,2-Trichloroethane
 Concen: 5.257 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		19486		
83	83.5	67.4	101.0		
85	53.6	43.4	65.2		
99	62.1	51.1	76.7		

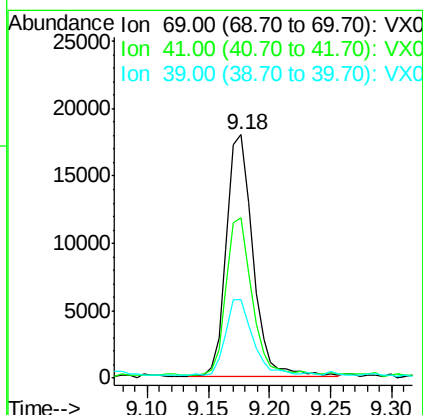
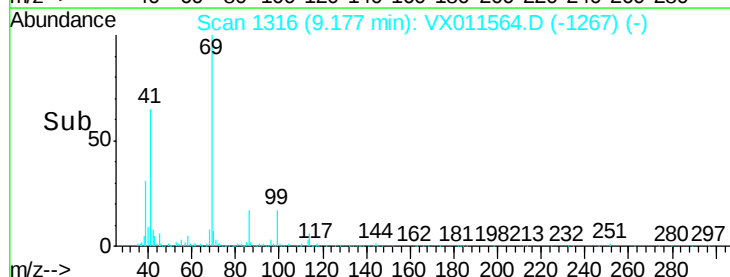
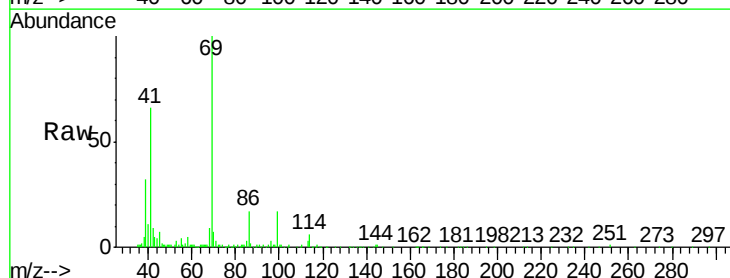
Manual Integrations
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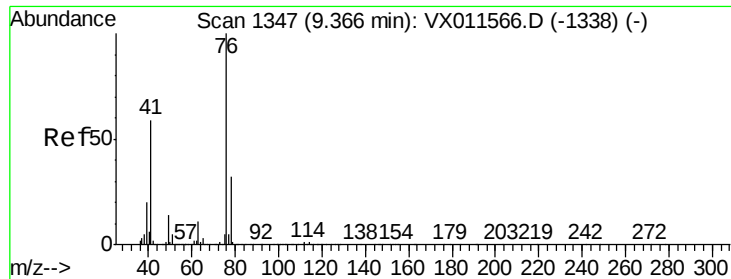
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 8/16/2019 8:29:21 AM



#56
 Ethyl methacrylate
 Concen: 5.001 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		27170		
41	64.2	52.1	78.1		
39	32.7	25.4	38.0		





#57

1,3-Dichloropropane

Concen: 5.304 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 31272

Ion Ratio Lower Upper

76 100

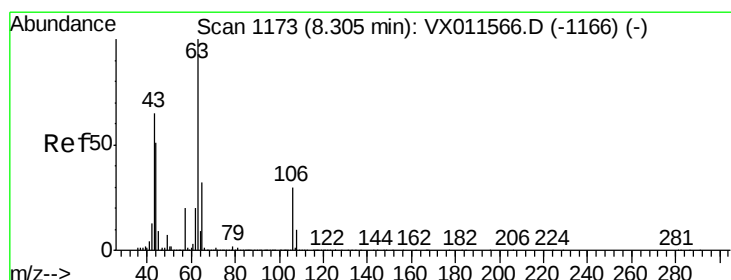
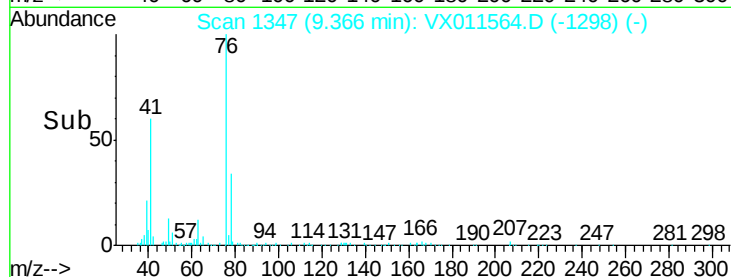
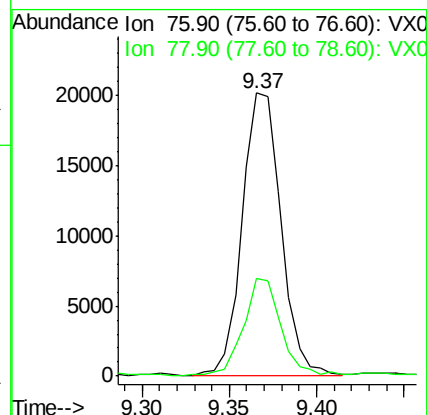
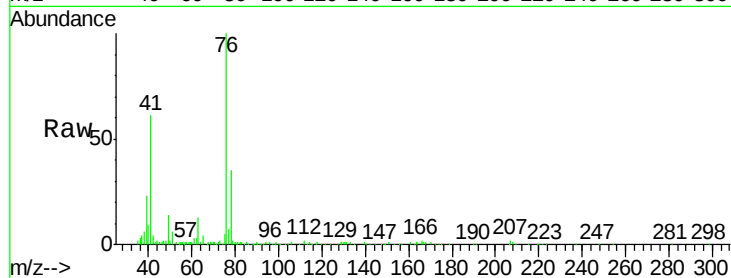
78 33.8 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 24.677 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011564.D

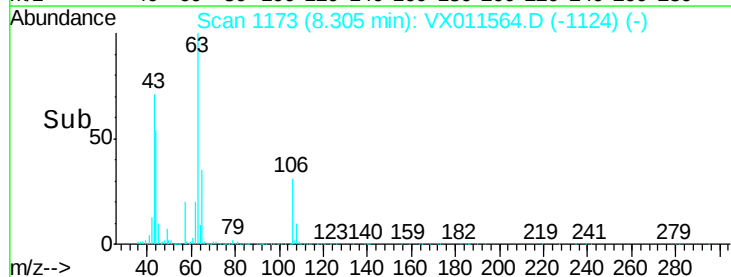
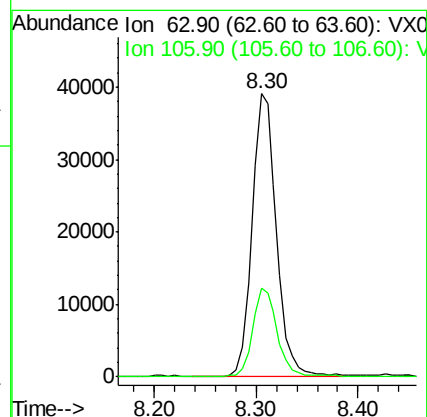
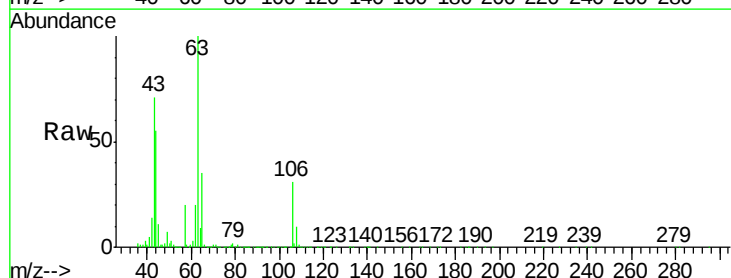
Acq: 15 Aug 2019 18:04

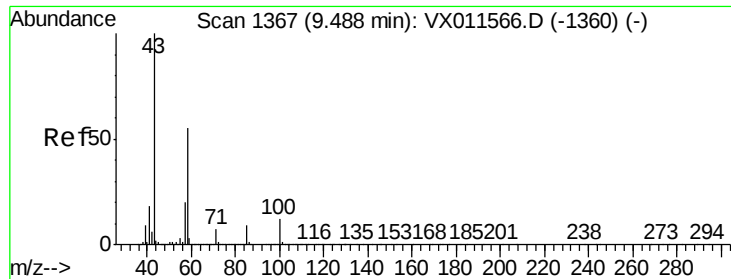
Tgt Ion: 63 Resp: 64436

Ion Ratio Lower Upper

63 100

106 32.6 24.7 37.1





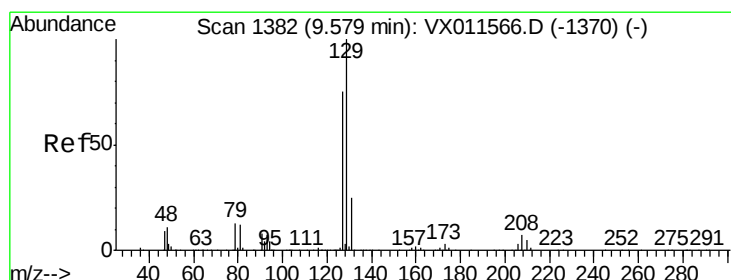
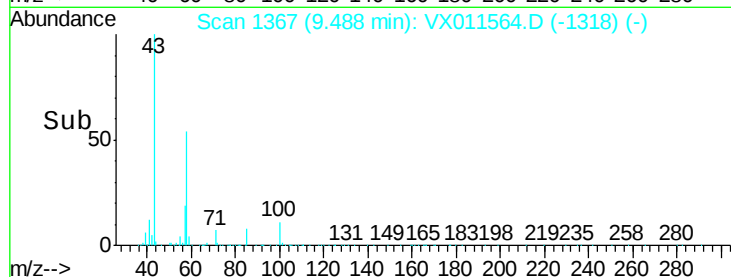
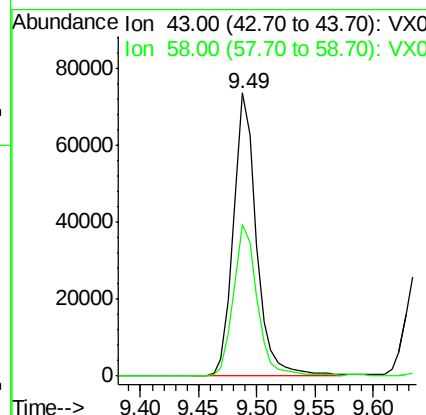
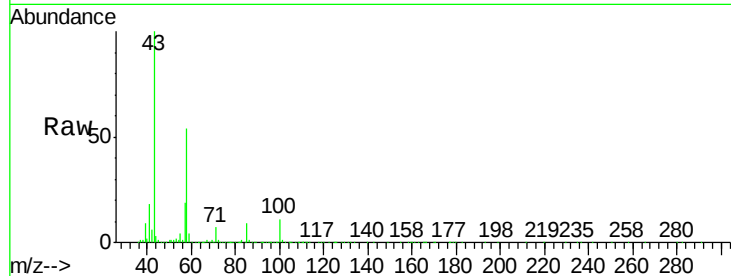
#59
2-Hexanone
Concen: 26.445 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	27.5	82.4

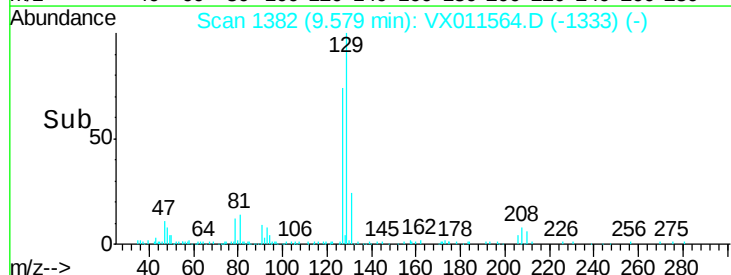
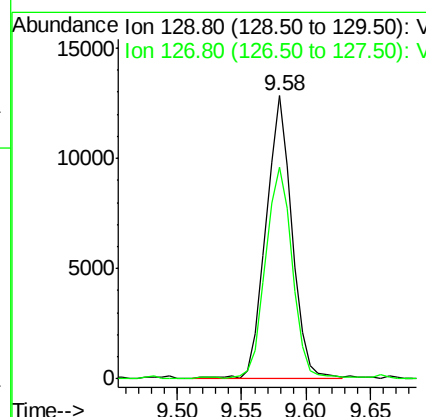
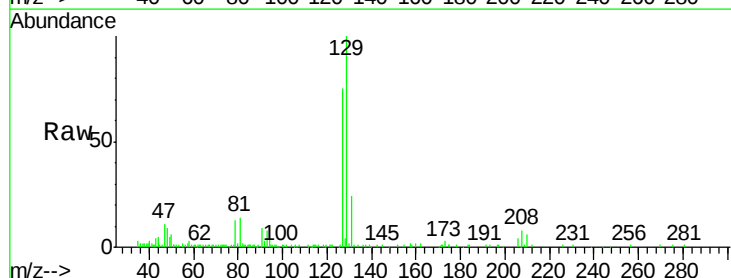
Manual Integrations
APPROVED

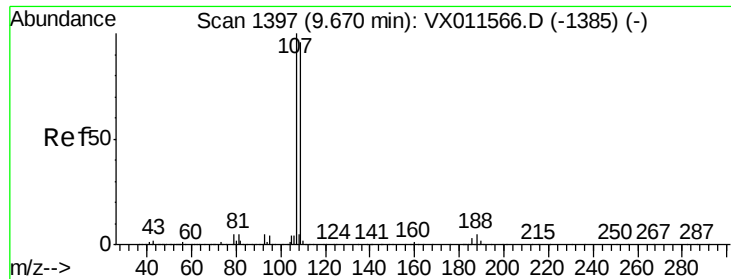
MMDadoda
8/16/2019 8:29:21 AM



#60
Dibromochloromethane
Concen: 4.753 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.0	114.1





#61

1,2-Dibromoethane

Concen: 5.313 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 20926

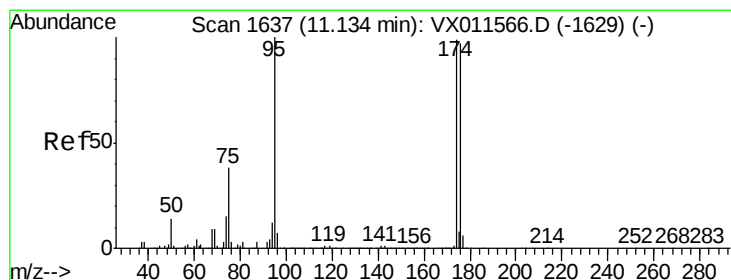
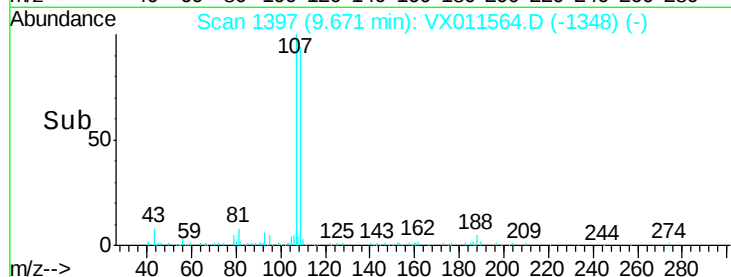
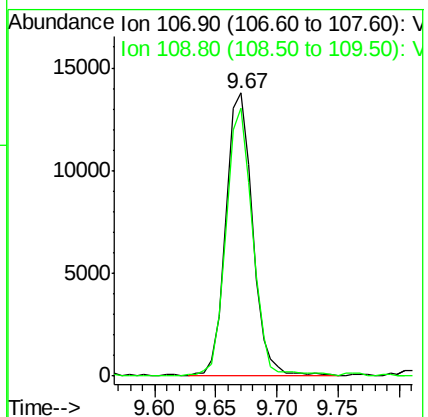
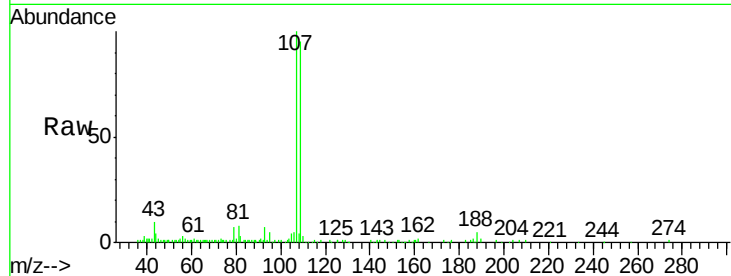
Ion Ratio Lower Upper

107 100

109 93.2 76.2 114.2

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#62

4-Bromofluorobenzene

Concen: 5.802 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

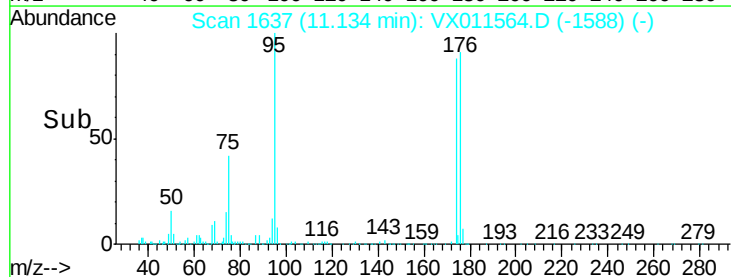
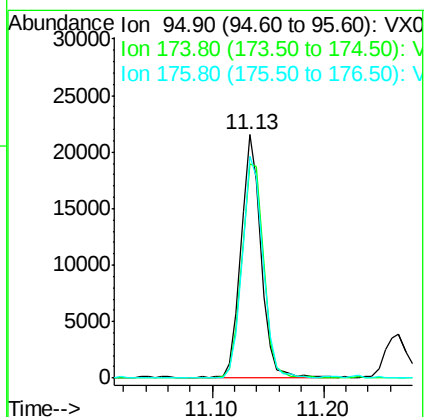
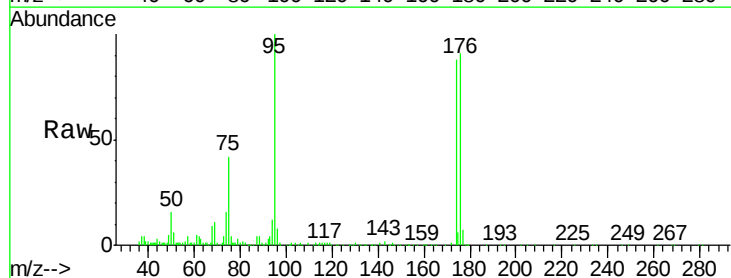
Tgt Ion: 95 Resp: 26748

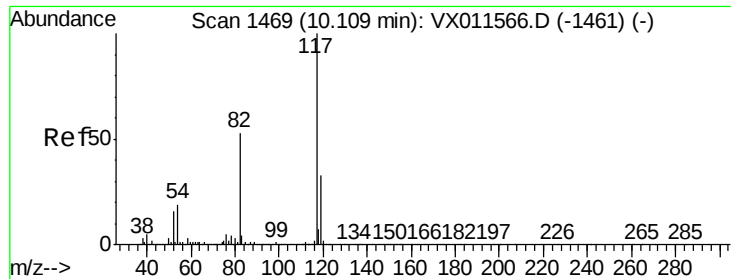
Ion Ratio Lower Upper

95 100

174 96.9 0.0 200.6

176 95.0 0.0 196.6





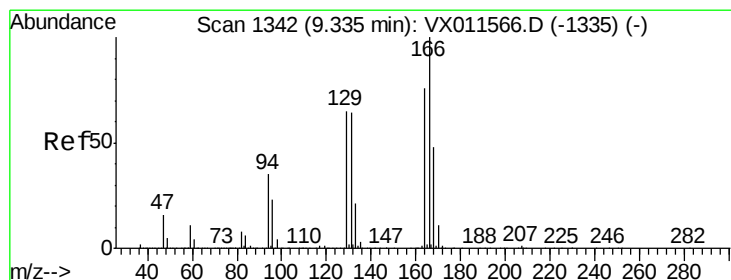
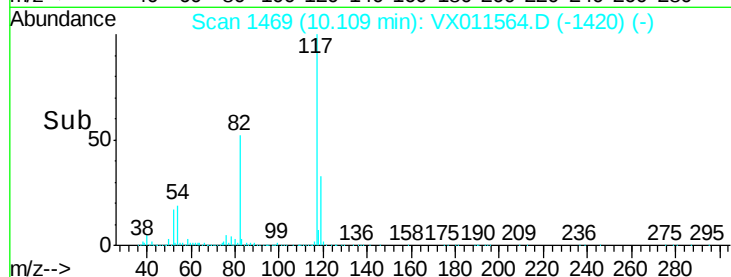
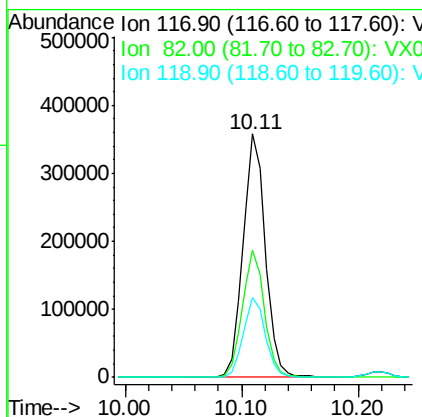
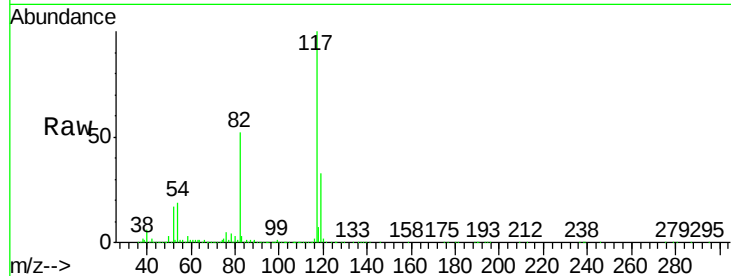
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	479195		
82	51.9	42.0	63.0	
119	32.8	26.5	39.7	

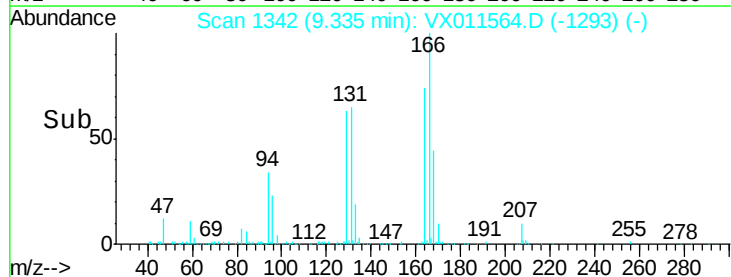
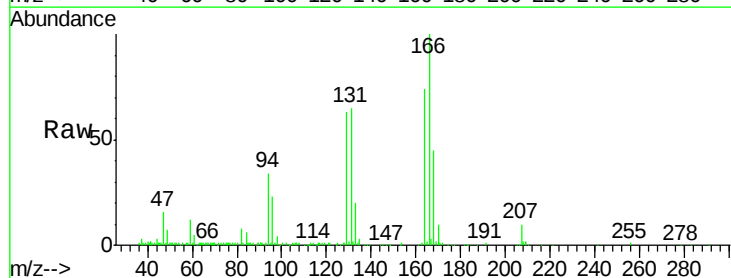
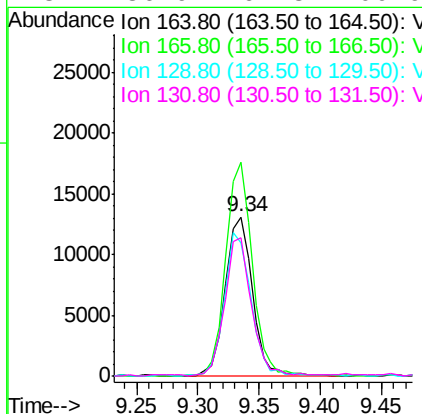
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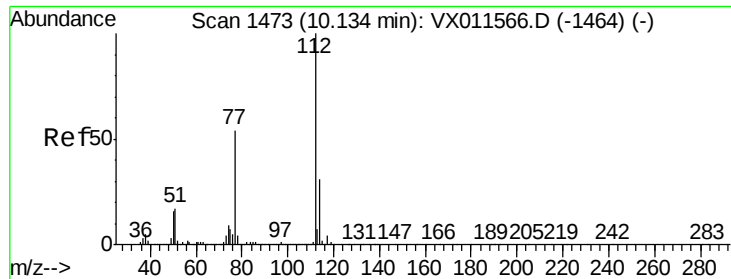
MMDadoda
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#64
Tetrachloroethene
Concen: 5.293 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	20231		
166	134.0	104.7	157.1	
129	83.7	68.2	102.4	
131	86.9	67.3	100.9	





#65

Chlorobenzene

Concen: 5.219 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 52120

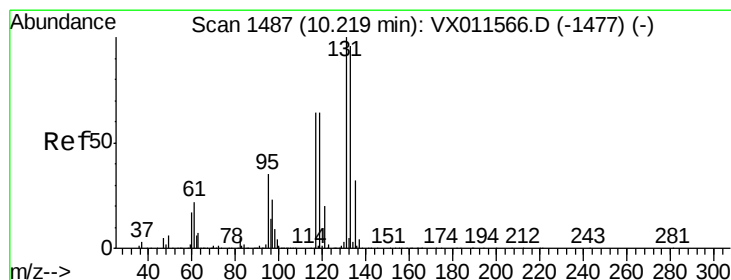
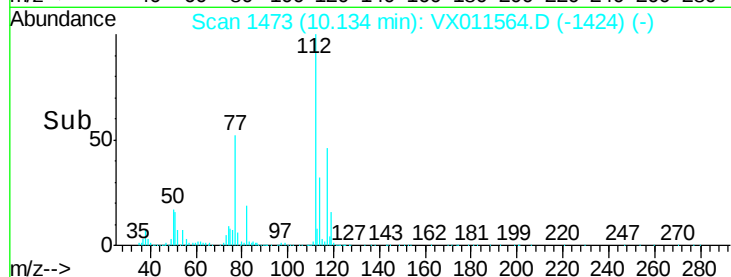
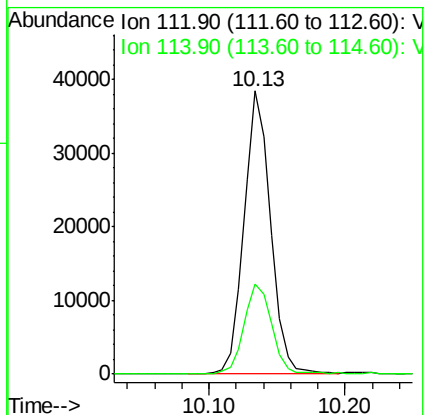
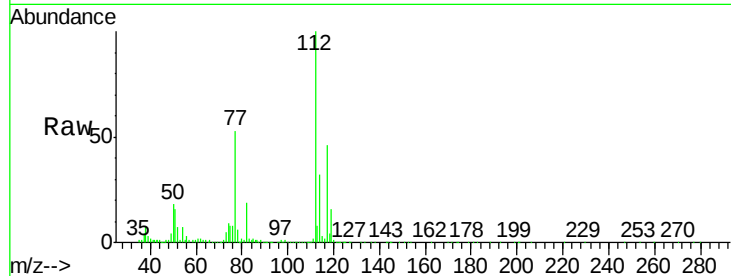
Ion Ratio Lower Upper

112 100

114 31.7 25.0 37.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 5.204 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

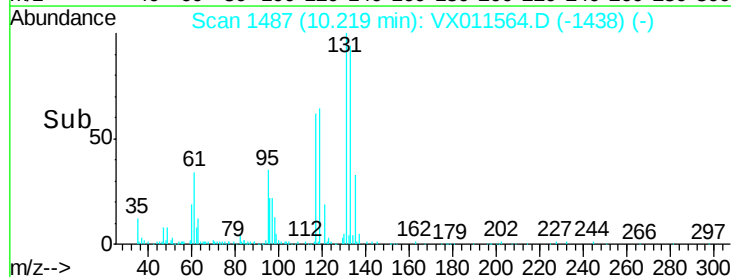
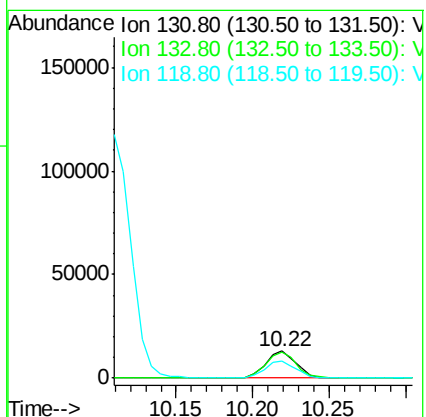
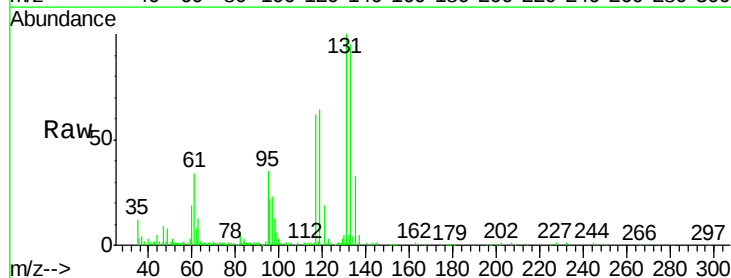
Tgt Ion:131 Resp: 18364

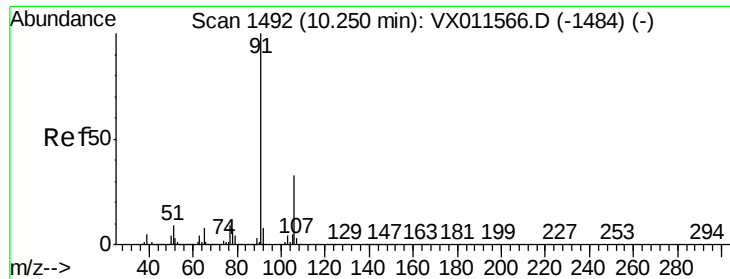
Ion Ratio Lower Upper

131 100

133 96.9 48.1 144.4

119 64.0 31.3 93.8





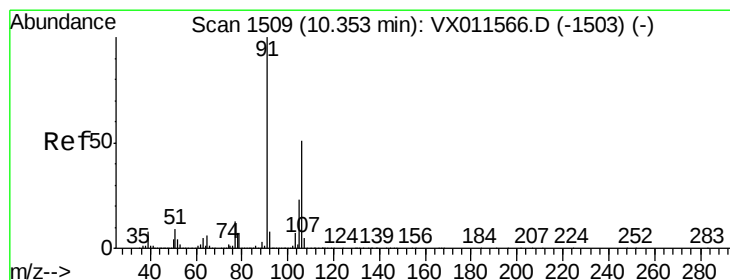
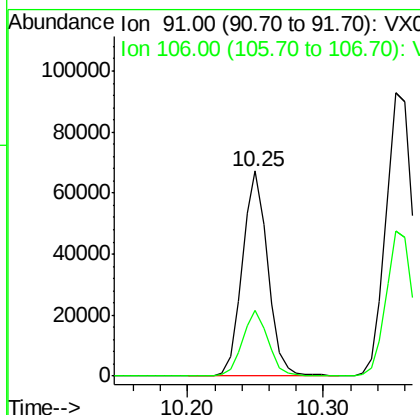
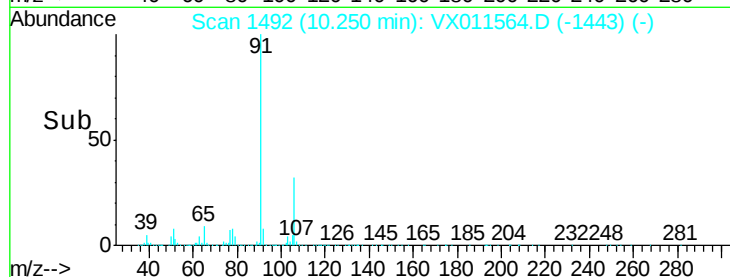
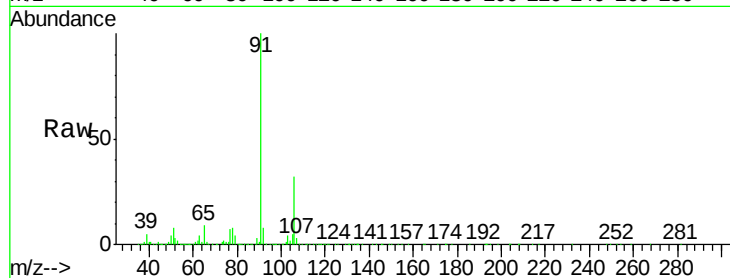
#67
Ethyl Benzene
Concen: 5.207 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampled :
VSTDIC005

Tot Ion: 91 Resp: 87799
Ion Ratio Lower Upper
91 100
106 32.1 26.0 39.0

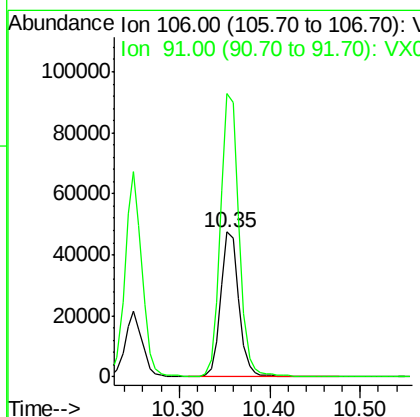
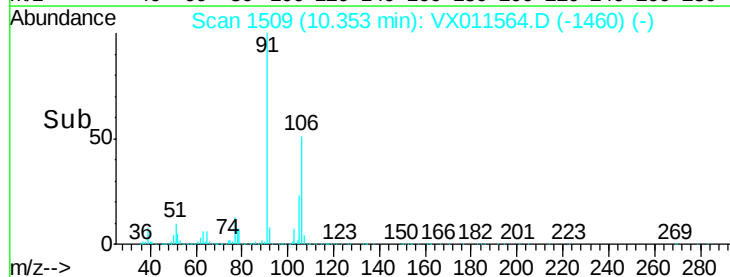
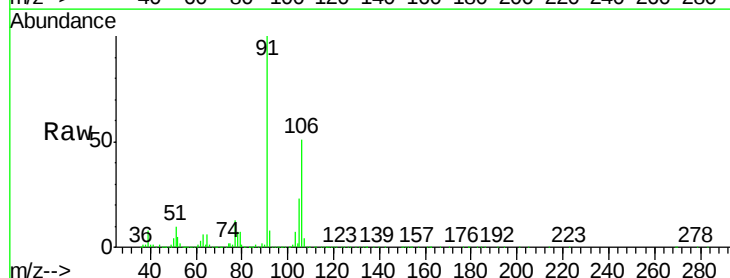
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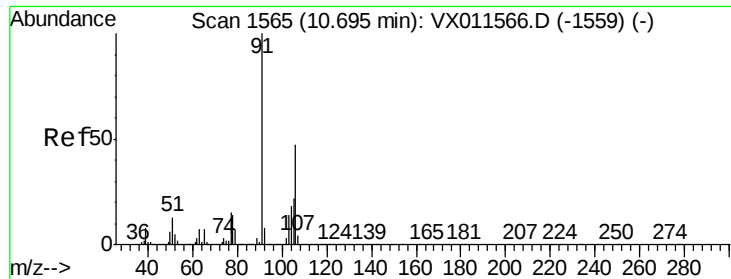
MMDadoda
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#68
m/p-Xylenes
Concen: 10.324 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion: 106 Resp: 67022
Ion Ratio Lower Upper
106 100
91 197.0 156.0 234.0





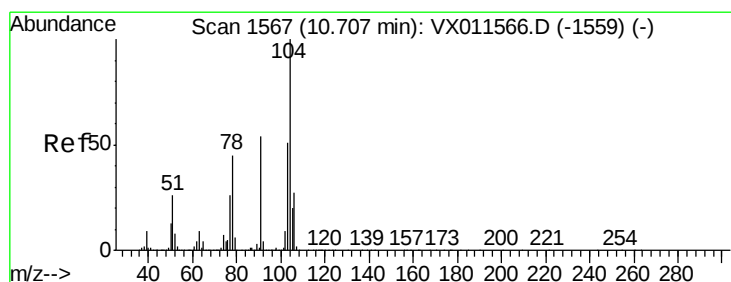
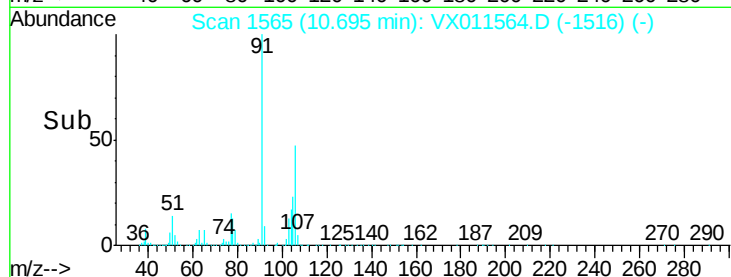
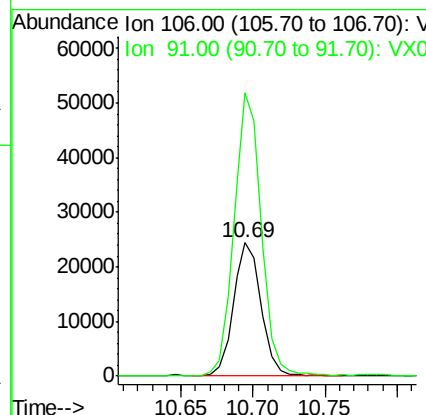
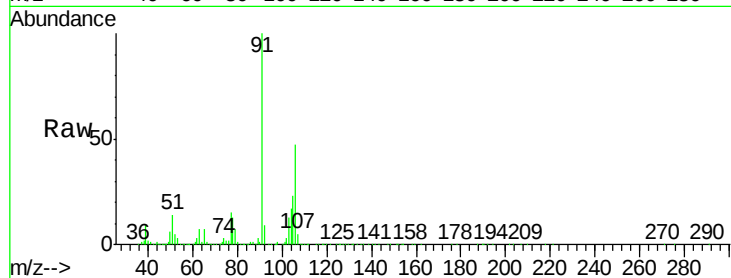
#69
o-Xylene
Concen: 5.156 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	105.5	316.4

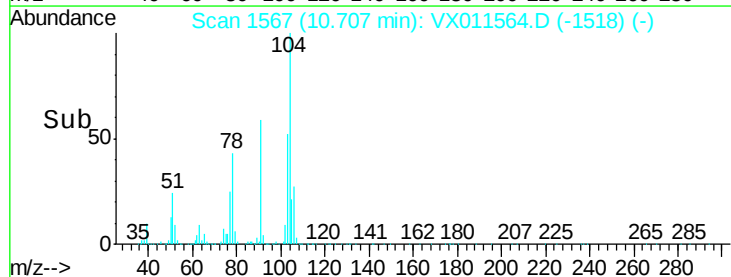
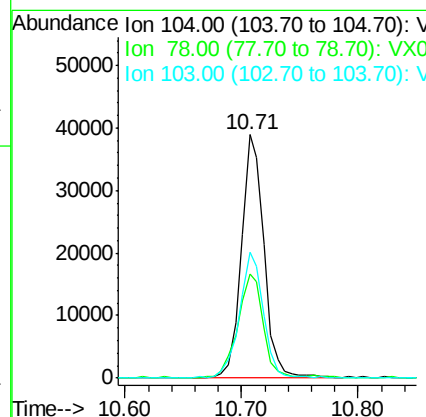
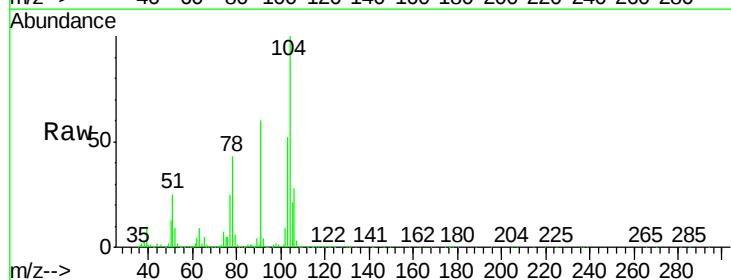
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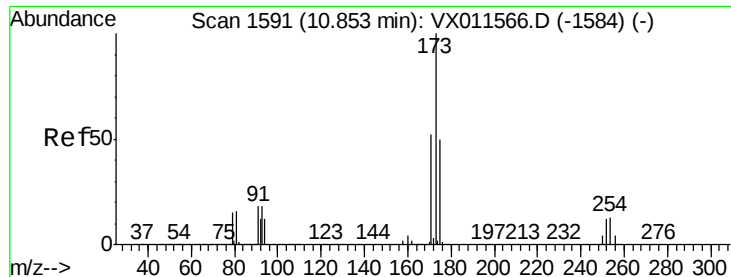
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#70
Styrene
Concen: 4.997 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	55.3	43.6	65.4





#71

Bromoform

Concen: 4.710 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

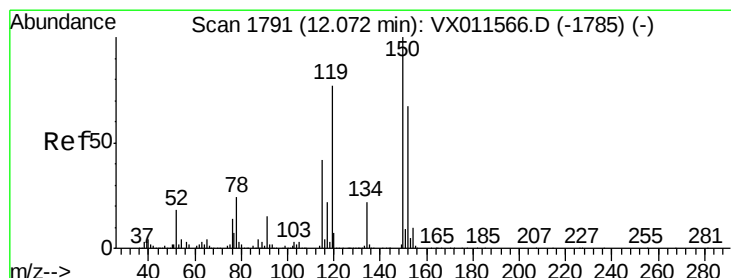
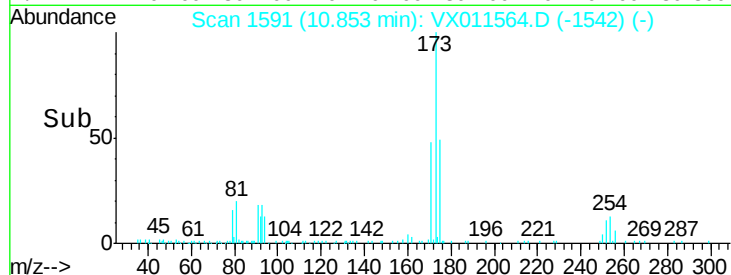
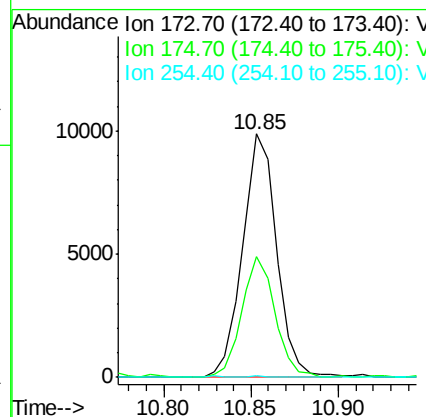
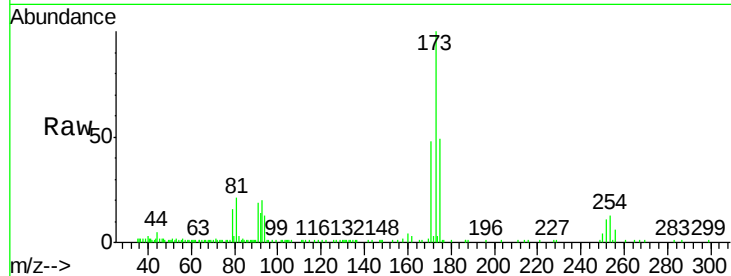
ClientSampled :

VSTDIC005

Tot Ion:	173	Resp:	13408
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.9	74.7
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

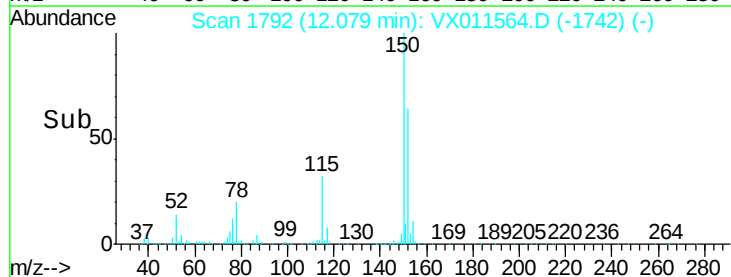
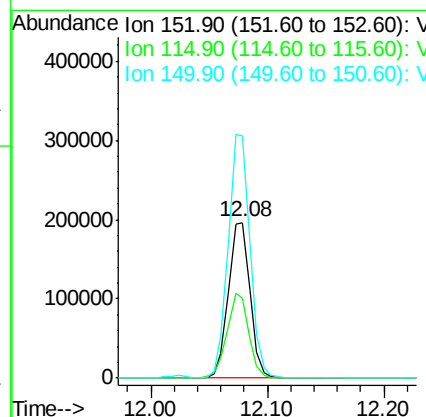
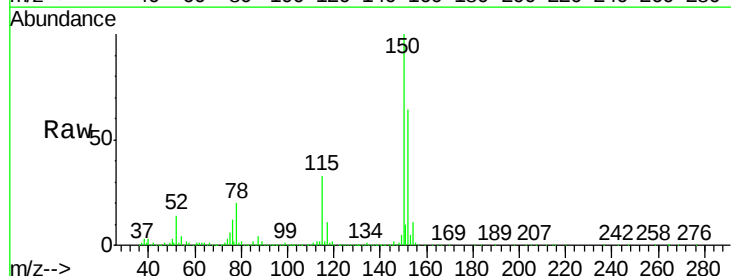
RT: 12.08 min Scan# 1792

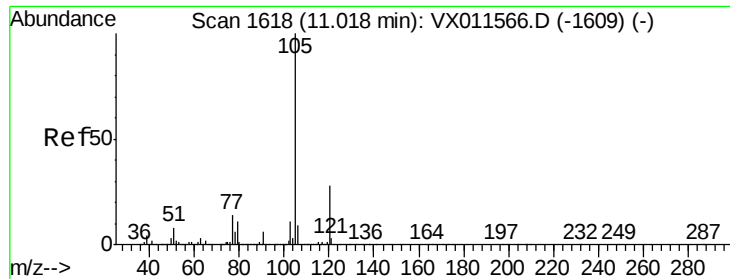
Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	152	Resp:	253008
Ion Ratio	Lower	Upper	
152	100		
115	54.6	37.3	111.9
150	157.2	0.0	346.2





#73

Isopropylbenzene

Concen: 5.053 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 86481

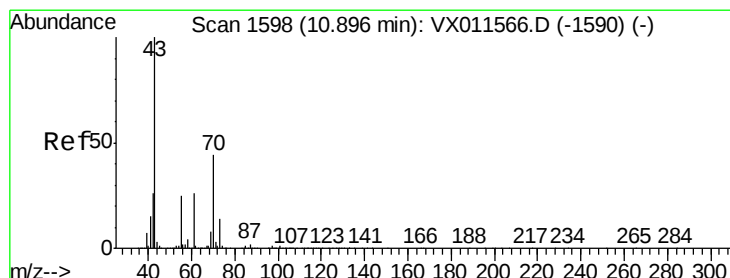
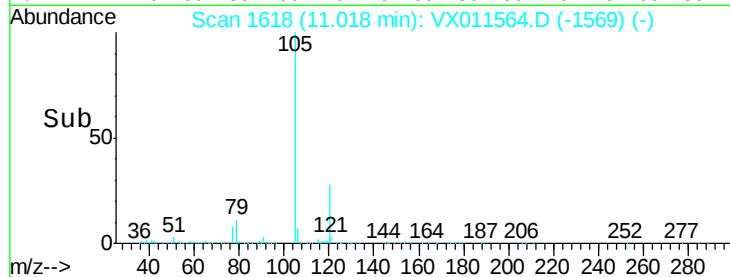
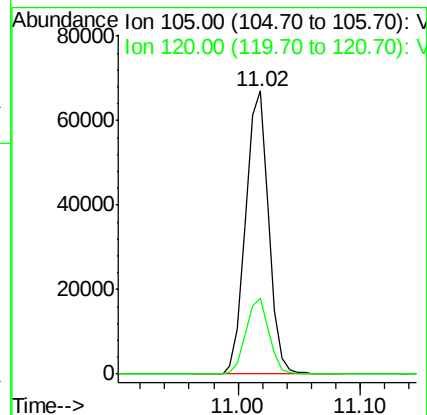
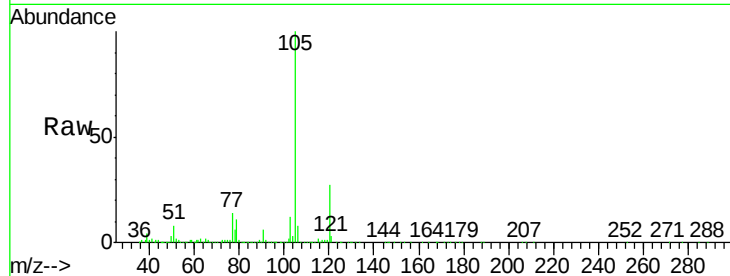
Ion Ratio Lower Upper

105 100

120 27.2 14.0 41.9

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#74

N-ethyl acetate

Concen: 4.960 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion: 43 Resp: 32717

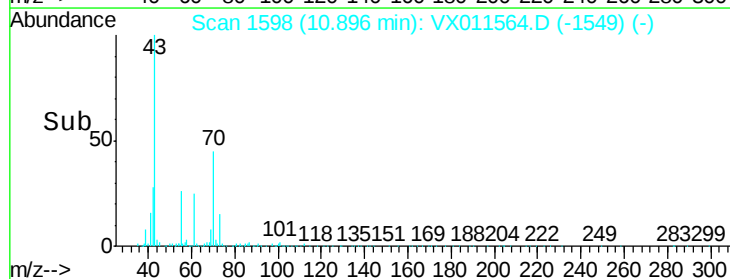
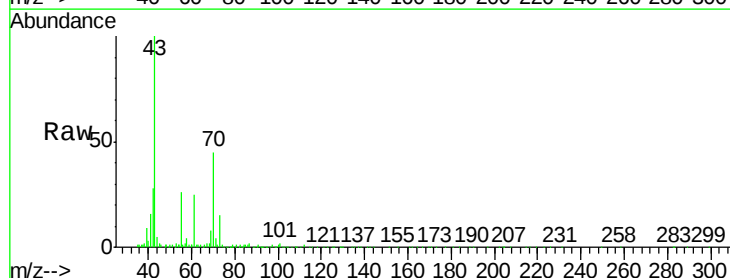
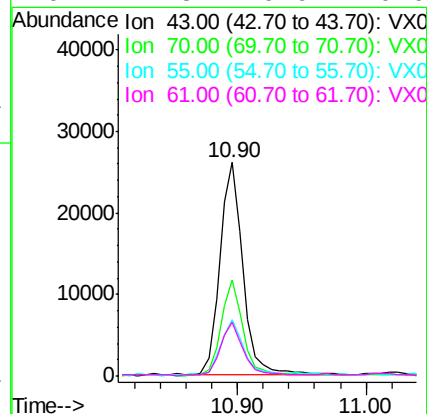
Ion Ratio Lower Upper

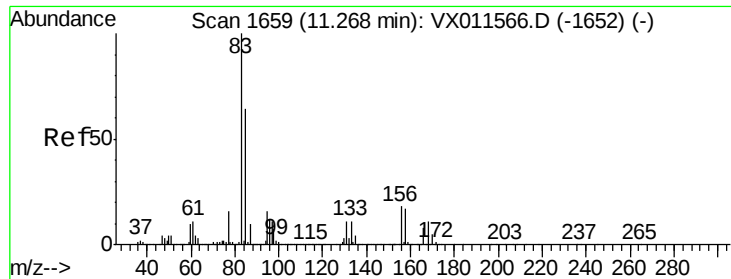
43 100

70 43.9 34.7 52.1

55 28.2 19.6 29.4

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.331 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

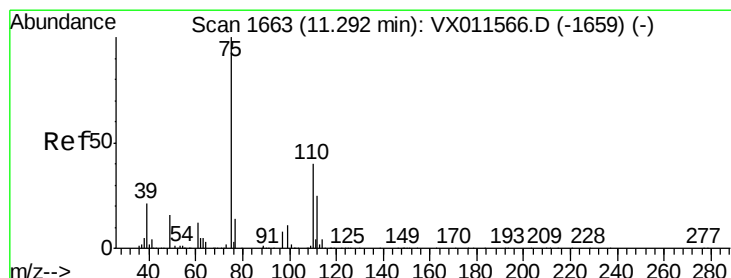
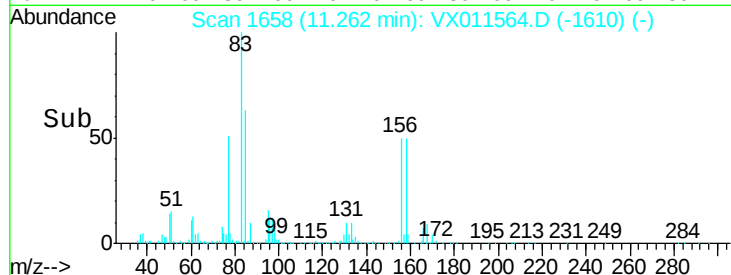
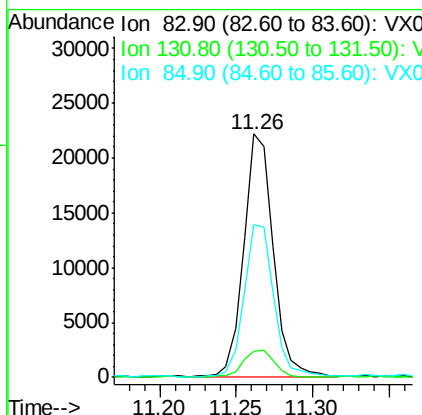
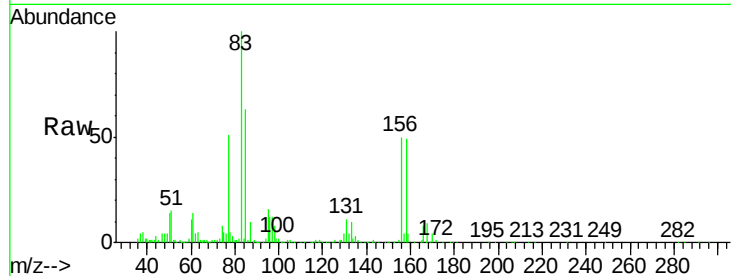
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29960
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.3
85	63.5	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 5.468 ug/l m

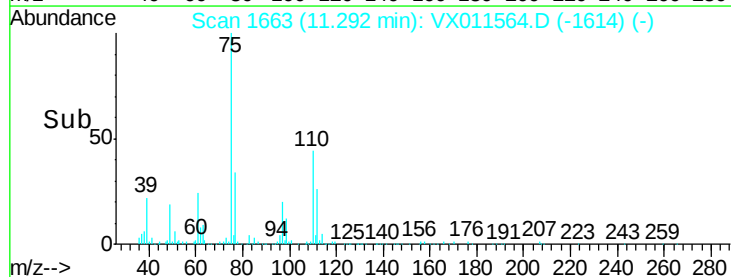
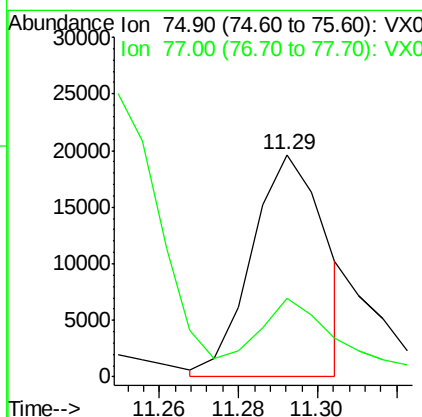
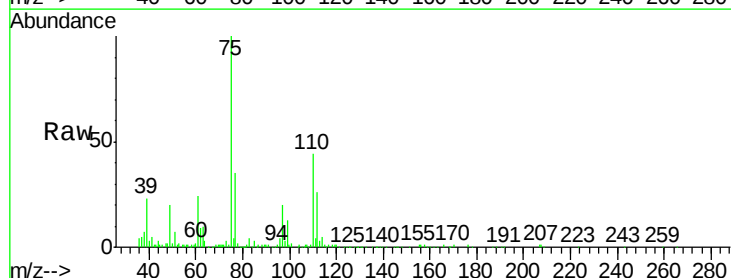
RT: 11.29 min Scan# 1663

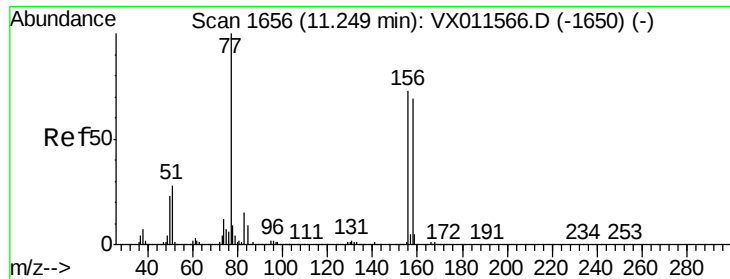
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	75	Resp:	25294
Ion Ratio	Lower	Upper	
75	100		
77	39.3	20.9	62.8





#77

Bromobenzene

Concen: 5.417 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 25878

Ion Ratio Lower Upper

156 100

77 123.6 64.6 193.9

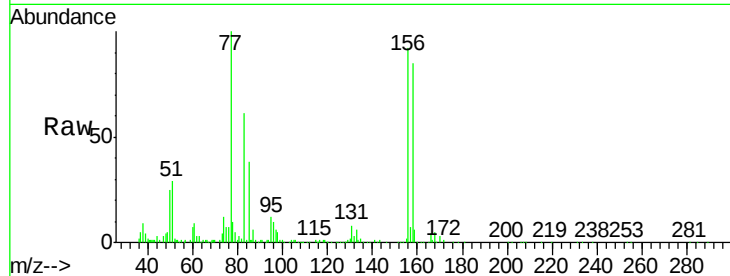
158 97.2 48.4 145.3

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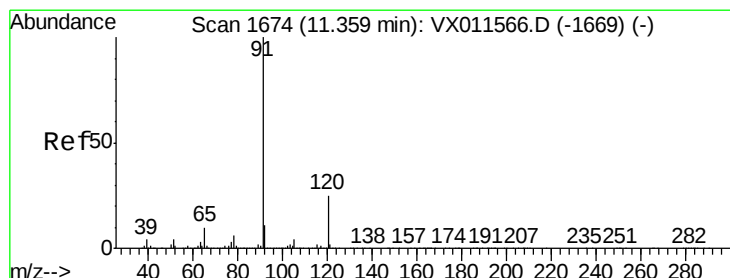
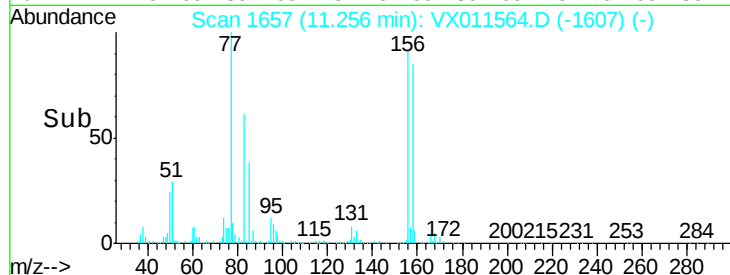
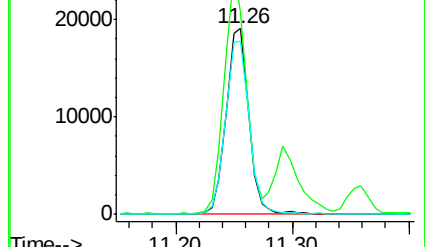


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

Time-->



#78

n-propylbenzene

Concen: 4.804 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011564.D

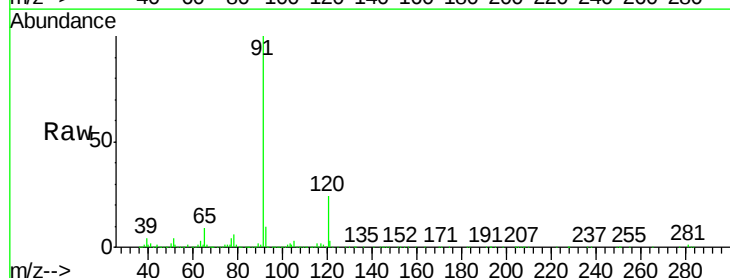
Acq: 15 Aug 2019 18:04

Tgt Ion: 91 Resp: 90470

Ion Ratio Lower Upper

91 100

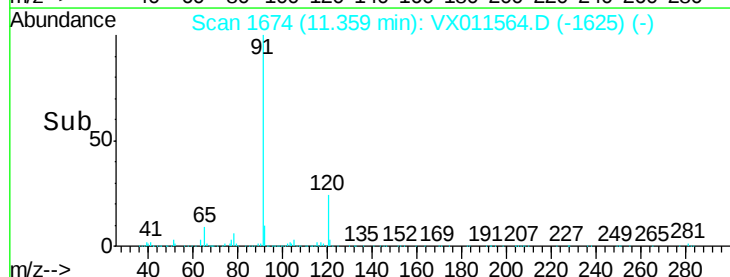
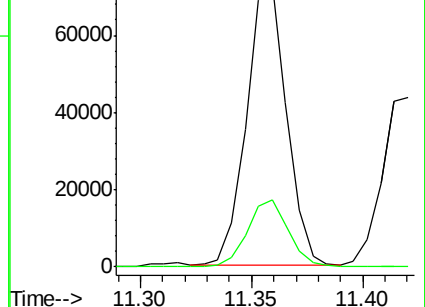
120 24.8 12.6 37.6

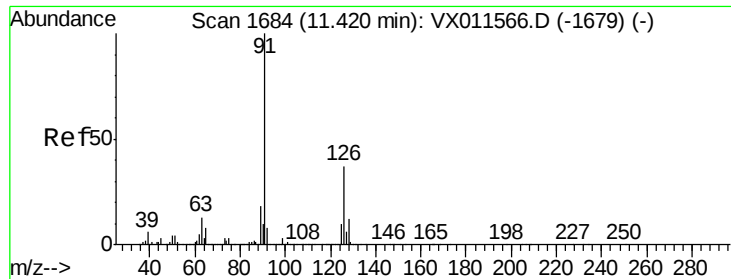


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

Time-->





#79

2-Chlorotoluene

Concen: 4.974 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 56541

Ion Ratio Lower Upper

91 100

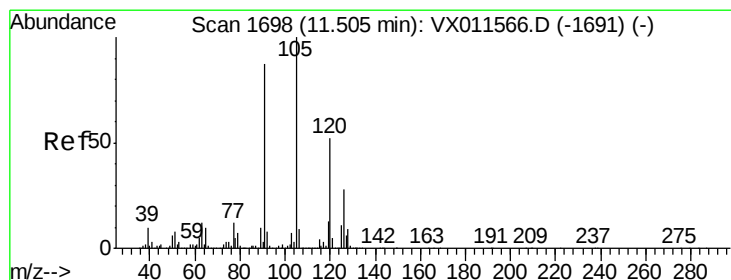
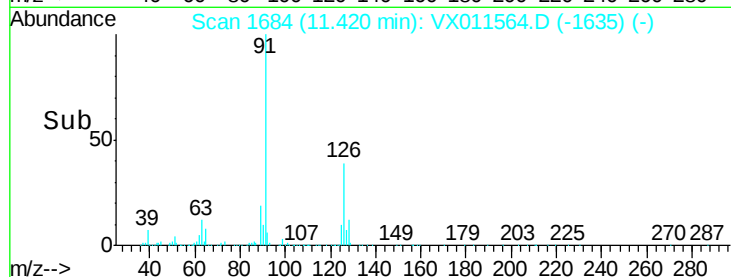
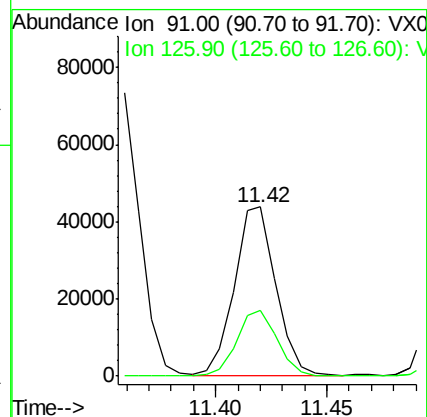
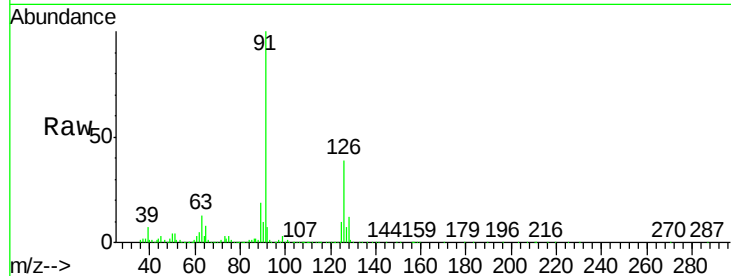
126 38.7 18.4 55.0

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.090 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011564.D

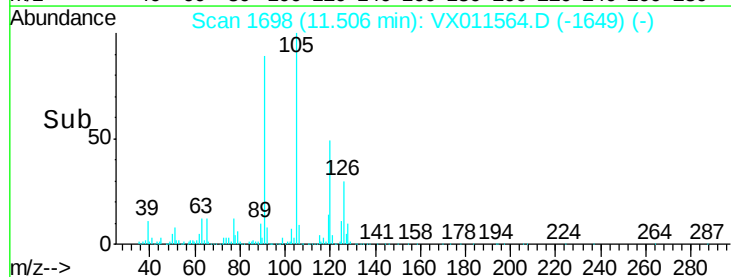
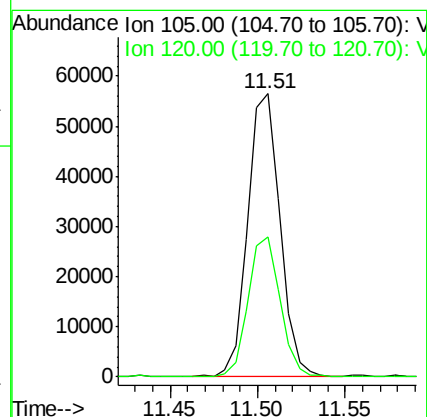
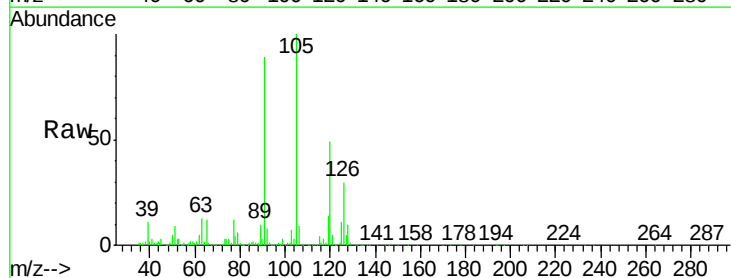
Acq: 15 Aug 2019 18:04

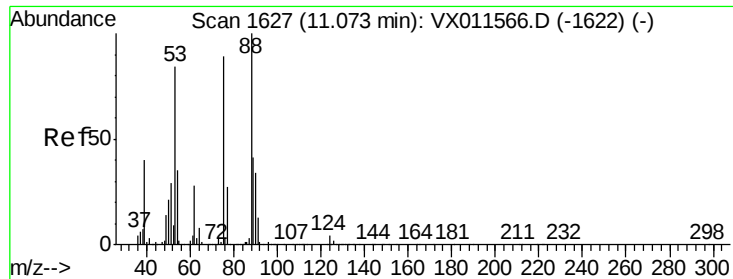
Tgt Ion: 105 Resp: 72718

Ion Ratio Lower Upper

105 100

120 49.2 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 3.535 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

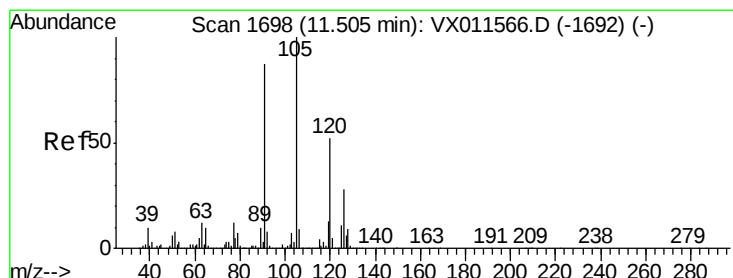
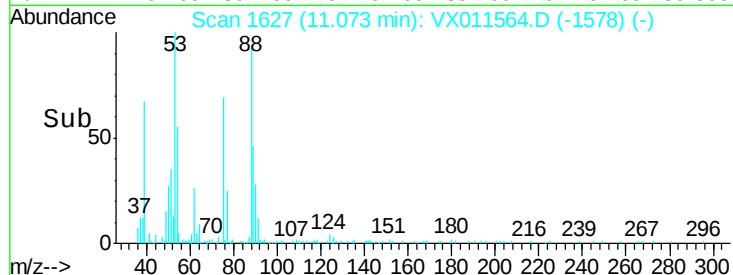
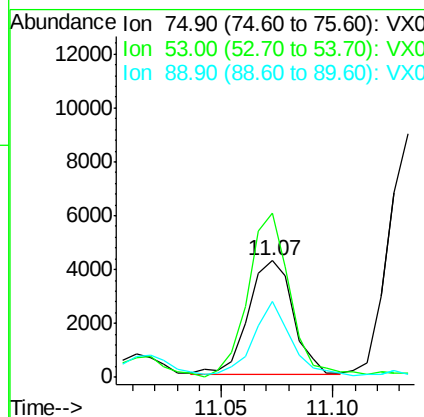
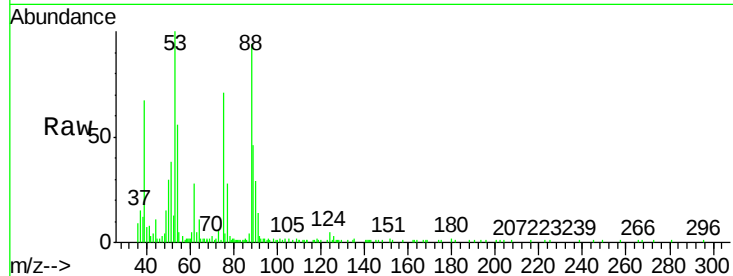
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5877
Ion Ratio	Lower	Upper	
75	100		
53	138.3	77.4	116.0#
89	59.5	37.3	55.9#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 4.999 ug/l

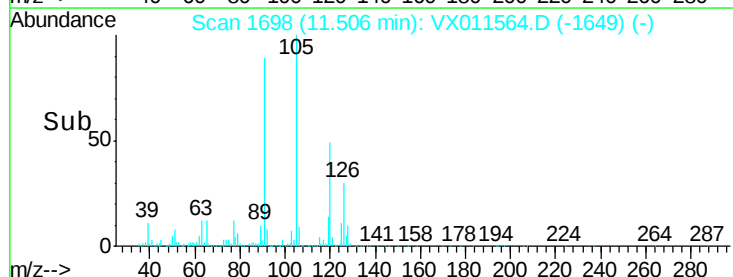
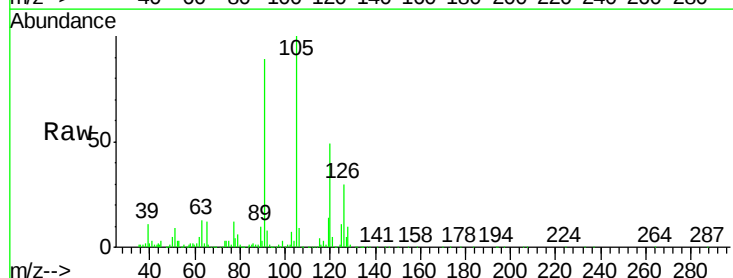
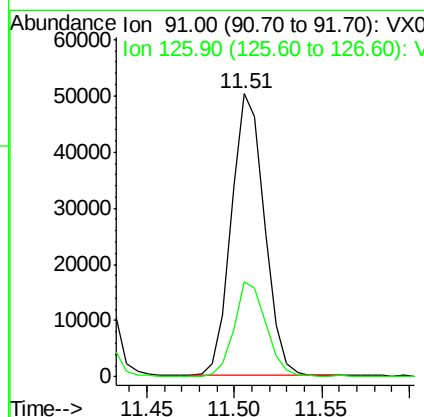
RT: 11.51 min Scan# 1698

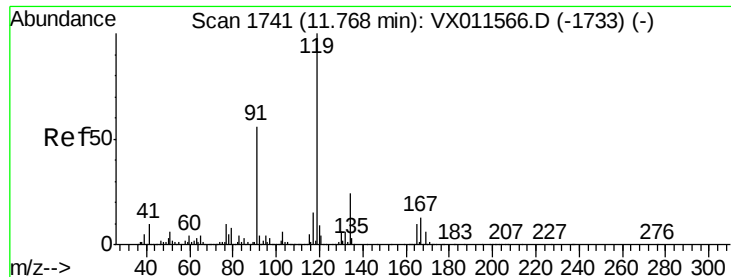
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	91	Resp:	65987
Ion Ratio	Lower	Upper	
91	100		
126	32.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 5.147 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

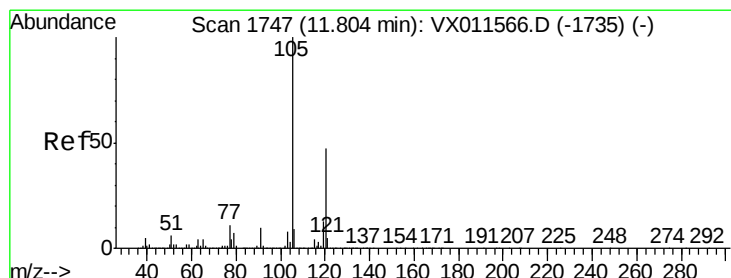
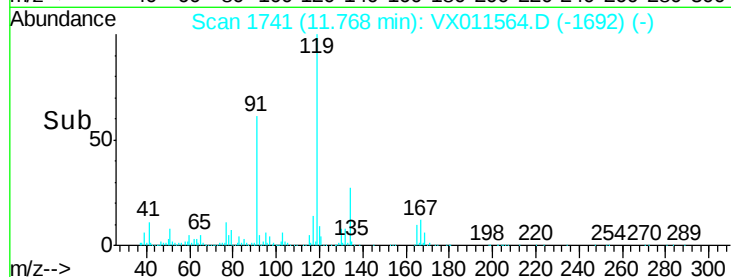
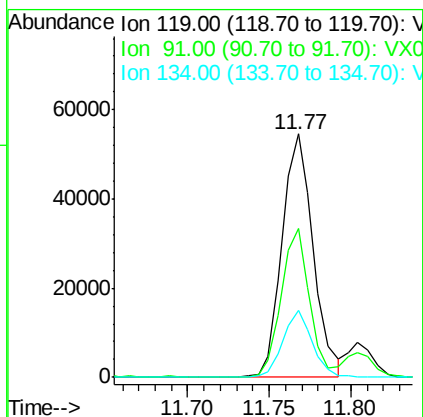
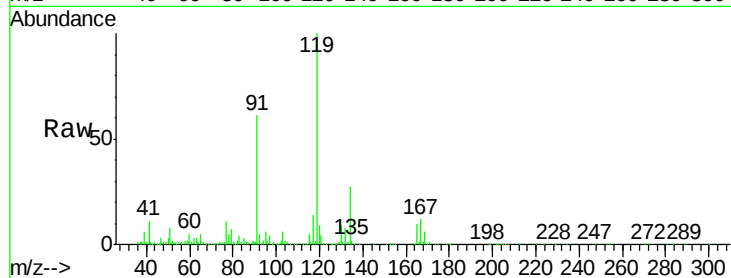
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	72708
Ion Ratio	Lower	Upper	
119	100		
91	56.4	27.1	81.3
134	26.0	11.8	35.3

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 4.887 ug/l

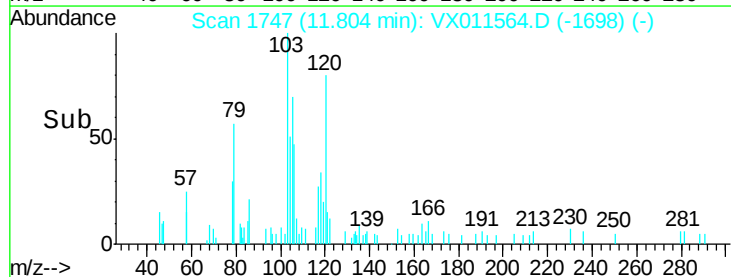
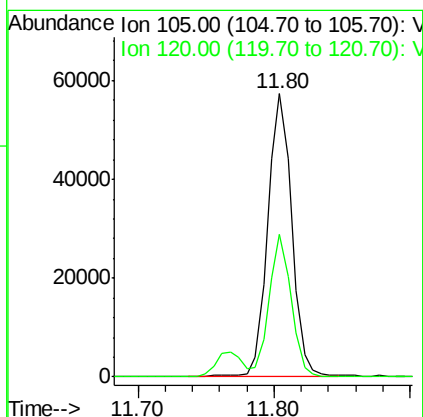
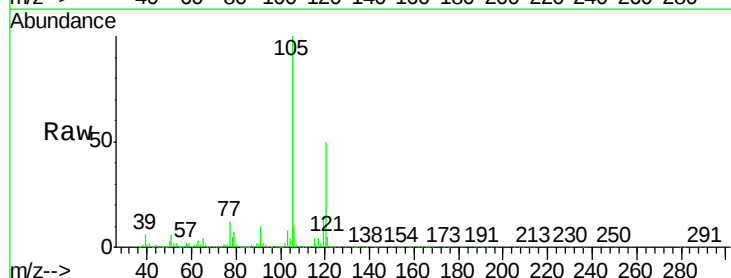
RT: 11.80 min Scan# 1747

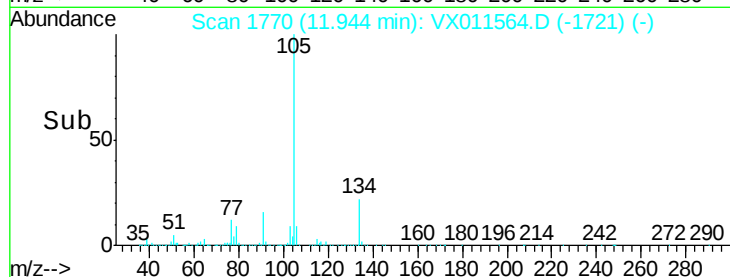
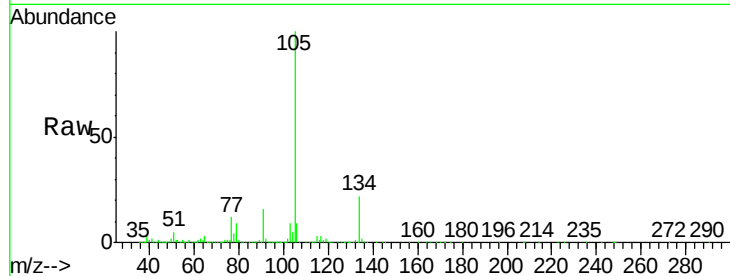
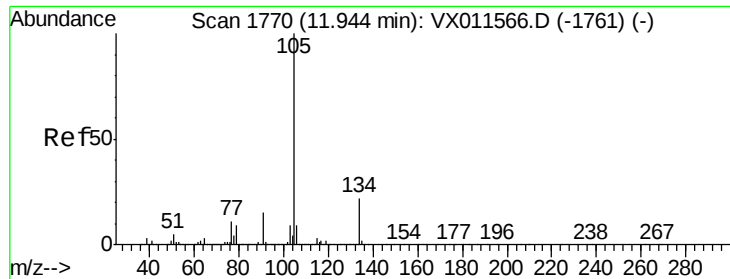
Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	105	Resp:	70493
Ion Ratio	Lower	Upper	
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 4.937 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tot Ion:105 Resp: 81074

Ion Ratio Lower Upper

105 100

134 21.9 10.8 32.4

Instrument :

MSVOA_X

ClientSampleId :

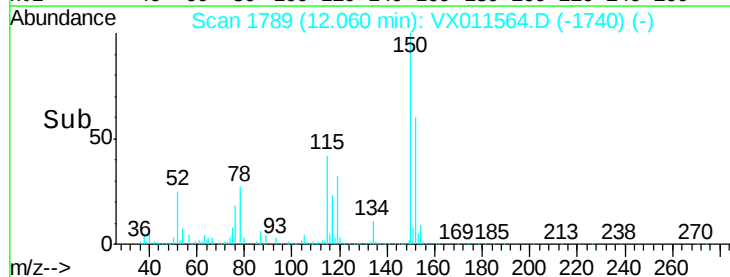
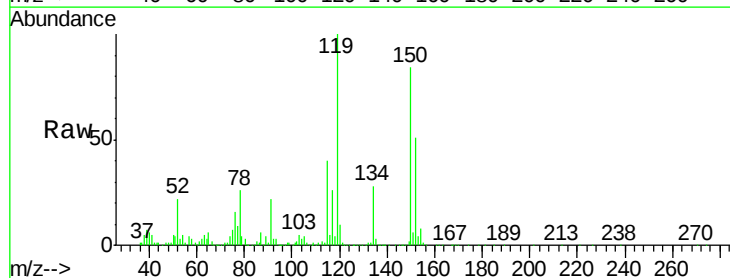
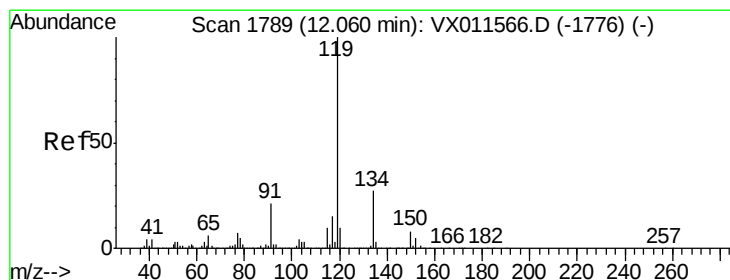
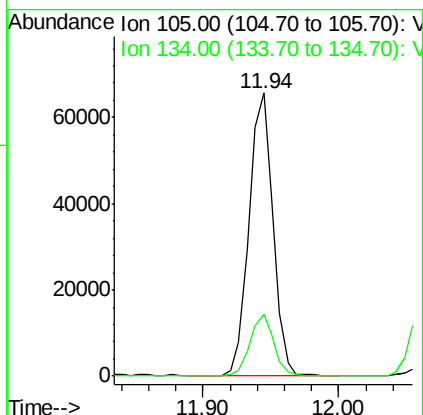
VSTDIC005

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 4.916 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

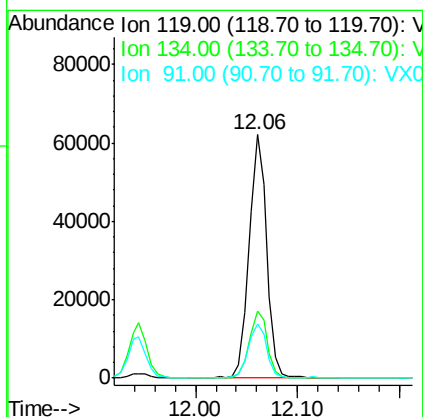
Tgt Ion:119 Resp: 75043

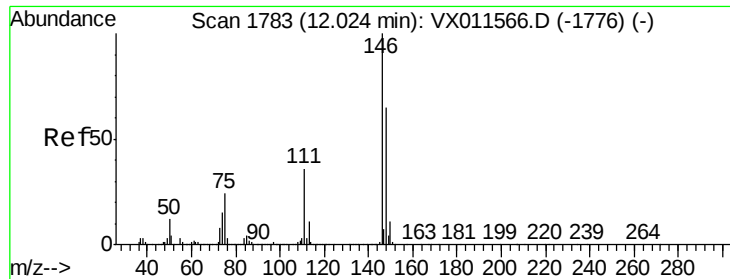
Ion Ratio Lower Upper

119 100

134 28.5 13.6 40.8

91 23.4 10.9 32.9





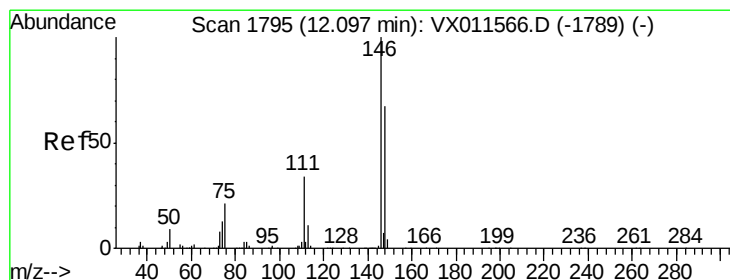
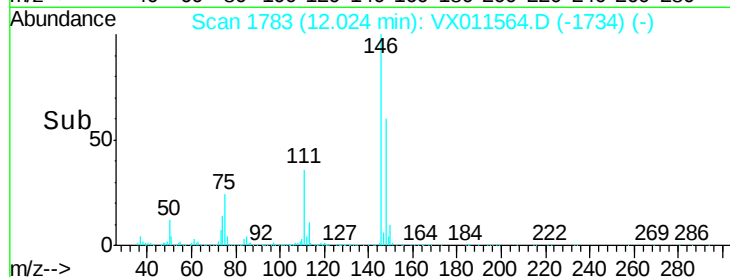
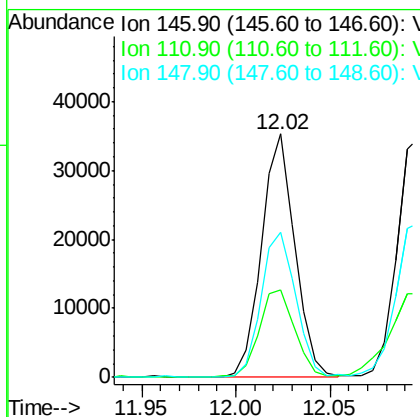
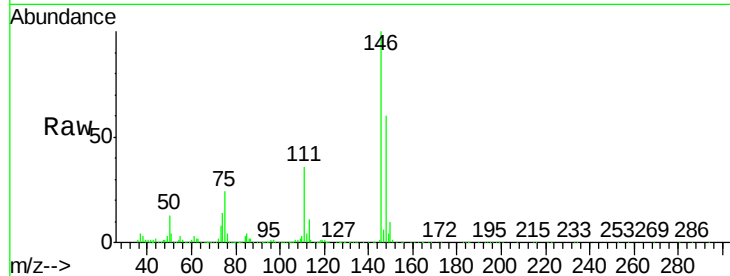
#87
 1,3-Dichlorobenzene
 Concen: 5.243 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.1	54.4
148	62.5	32.0	96.0

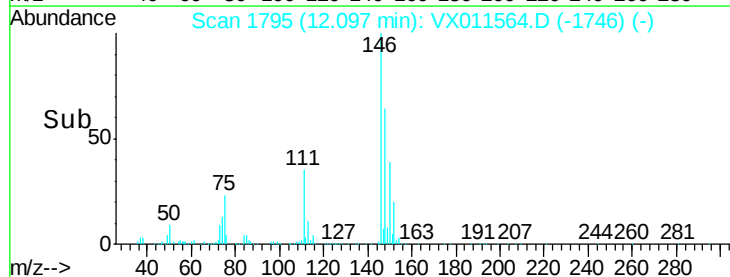
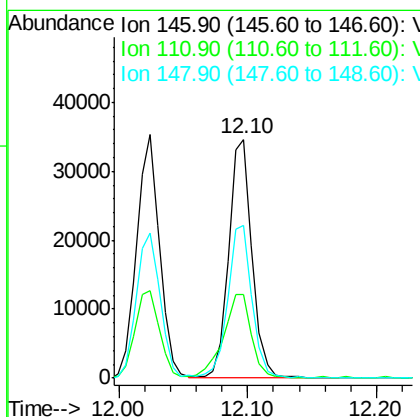
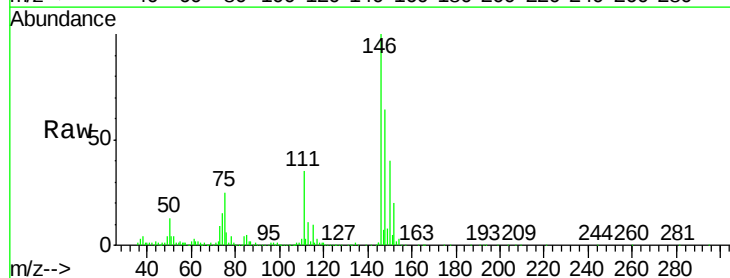
Manual Integrations
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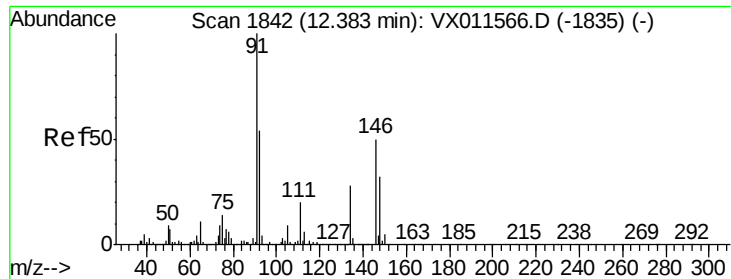
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#88
 1,4-Dichlorobenzene
 Concen: 5.196 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	17.9	53.7
148	66.9	32.5	97.5





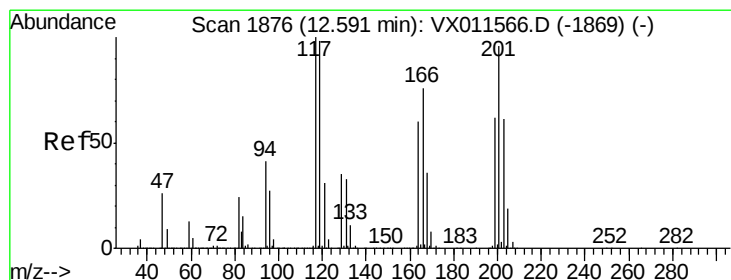
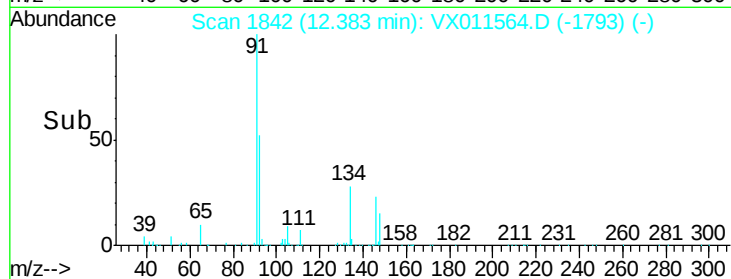
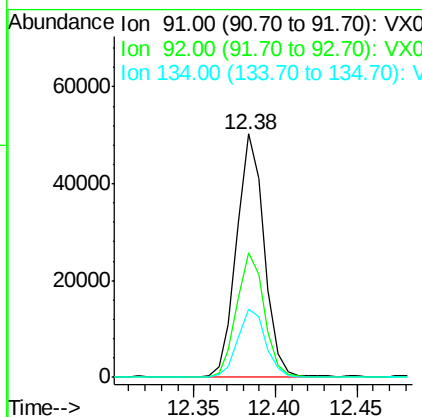
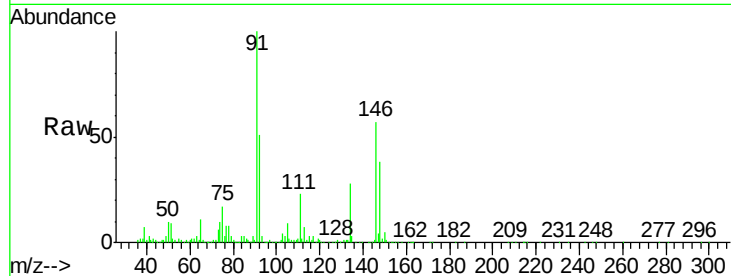
#89
n-Butylbenzene
Concen: 4.554 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.8	80.3
134	28.7	14.6	44.0

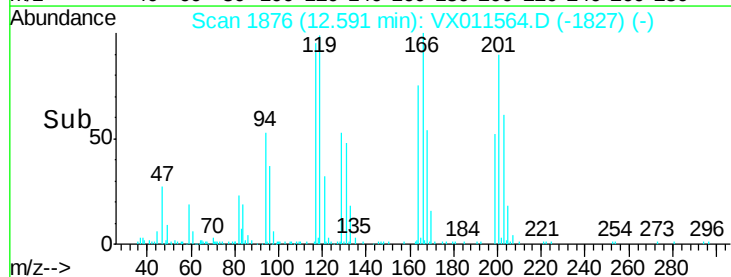
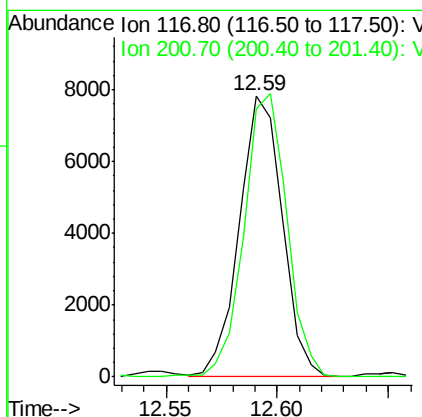
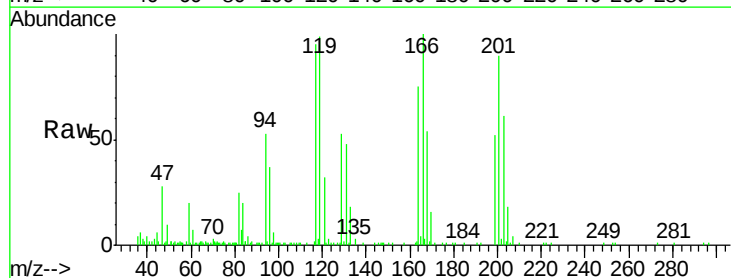
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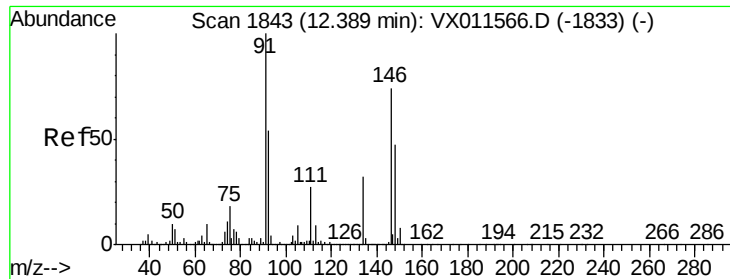
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#90
Hexachloroethane
Concen: 4.403 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011564.D
Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	100.1	51.9	155.7





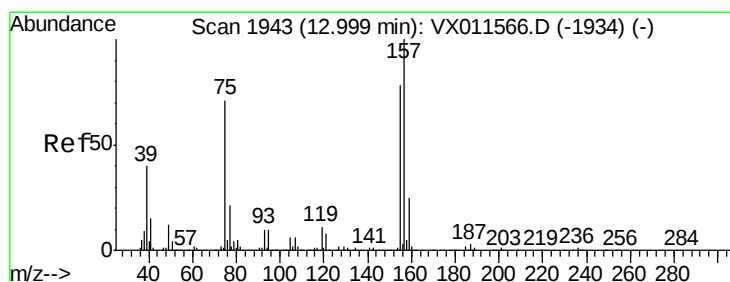
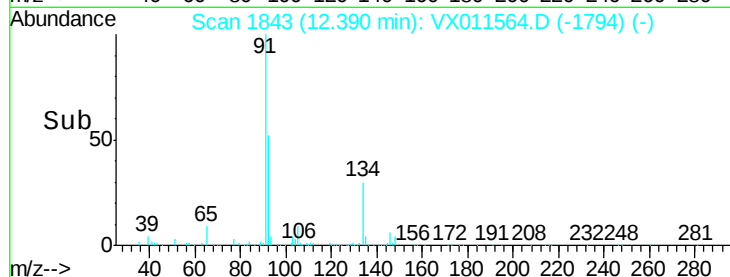
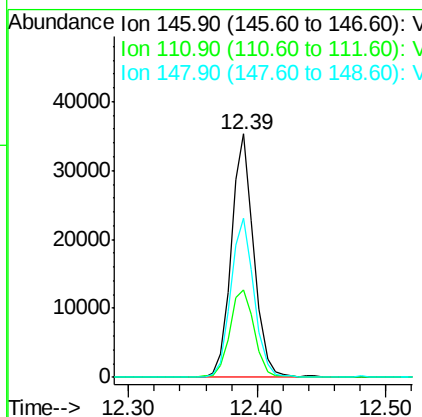
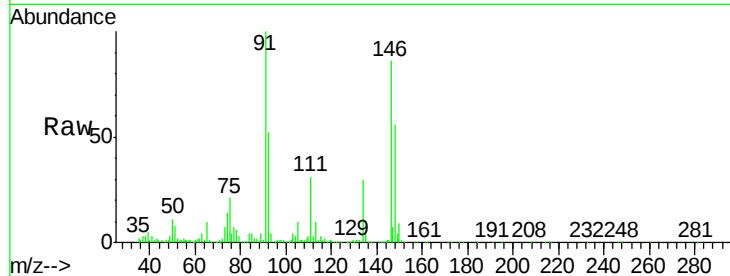
#91
 1,2-Dichlorobenzene
 Concen: 5.271 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	18.9	56.7
148	67.4	31.9	95.9

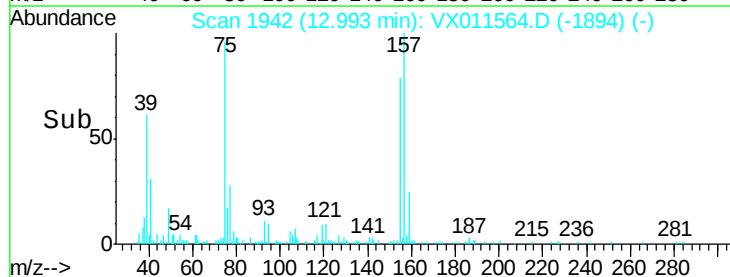
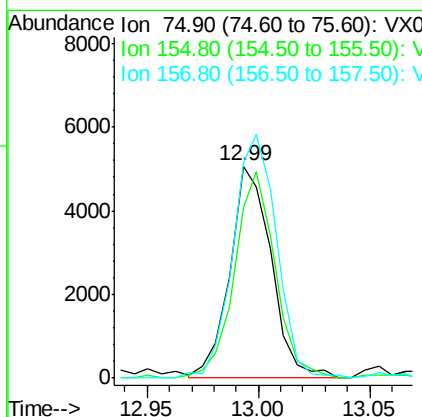
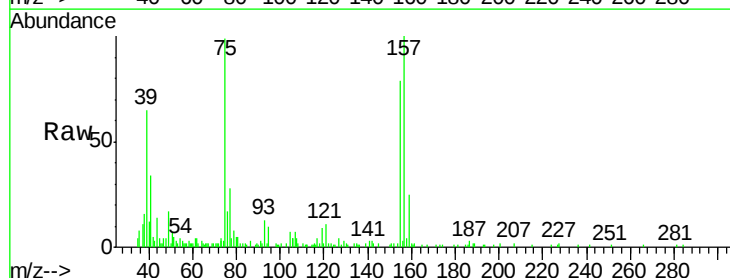
Manual Integrations
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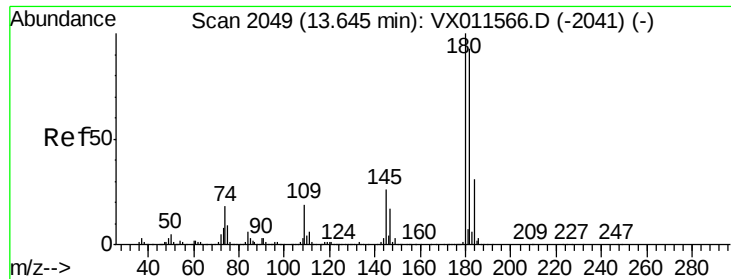
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.533 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	53.0	159.0
157	120.6	68.3	205.1





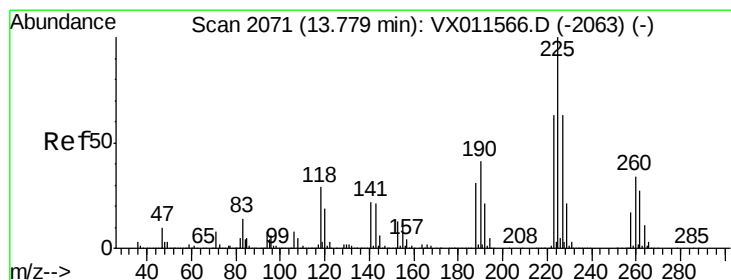
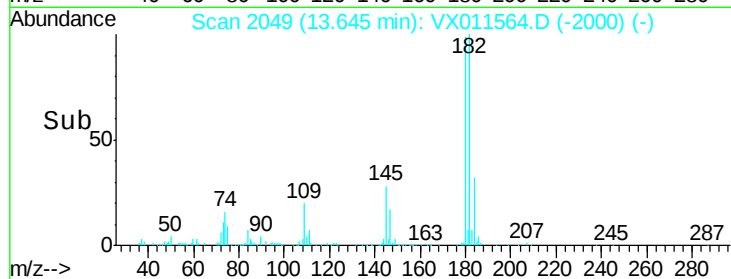
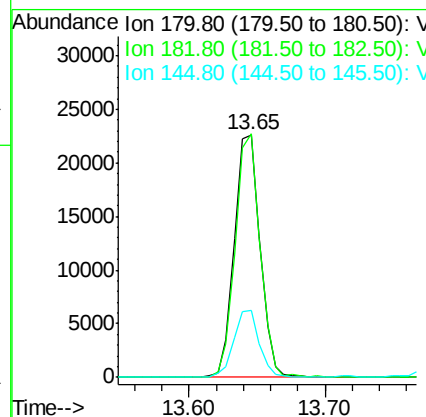
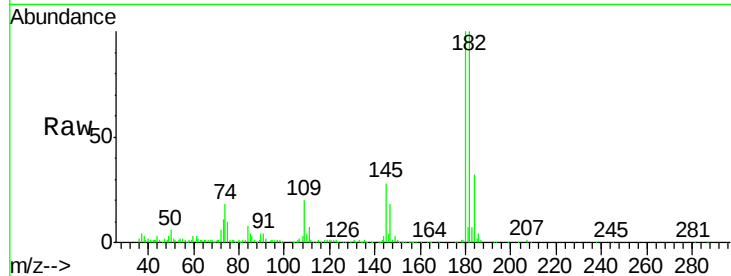
#93
 1,2,4-Trichlorobenzene
 Concen: 5.261 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	29757		
182	97.3	47.3	142.0	
145	27.6	13.6	40.8	

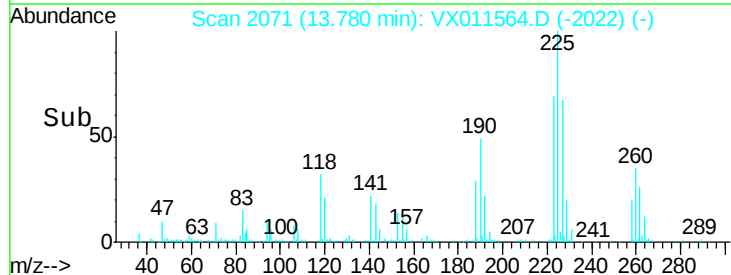
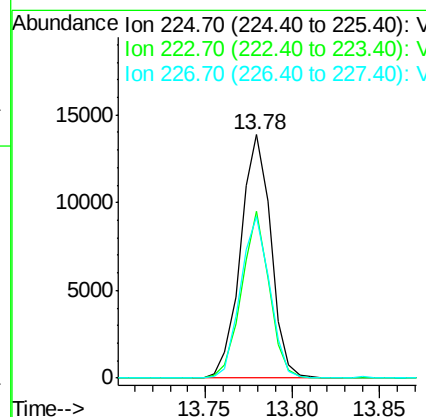
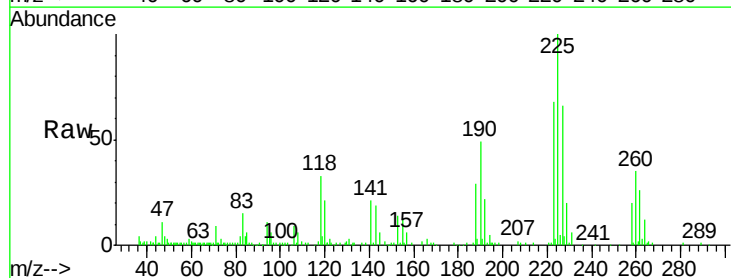
Manual Integrations
 APPROVED

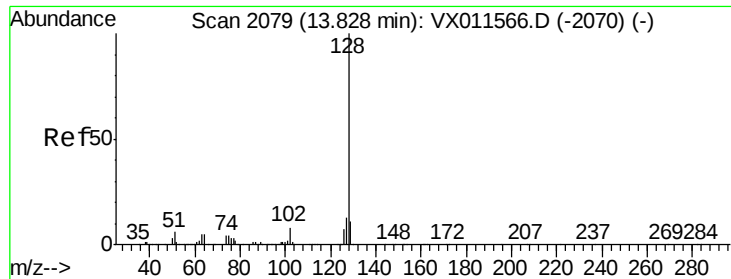
MMDadoda
 8/16/2019 8:29:21 AM



#94
 Hexachlorobutadiene
 Concen: 5.827 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011564.D
 Acq: 15 Aug 2019 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16664		
223	62.6	31.4	94.0	
227	64.3	31.2	93.6	





#95

Naphthalene

Concen: 5.041 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Instrument :

MSVOA_X

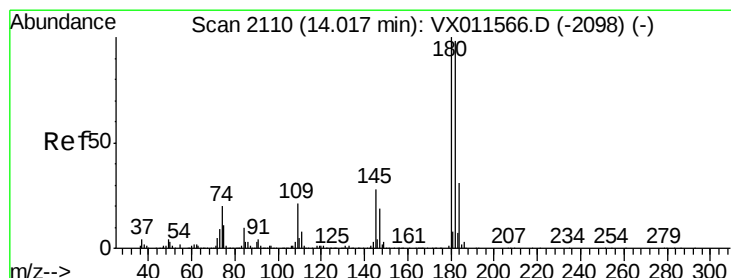
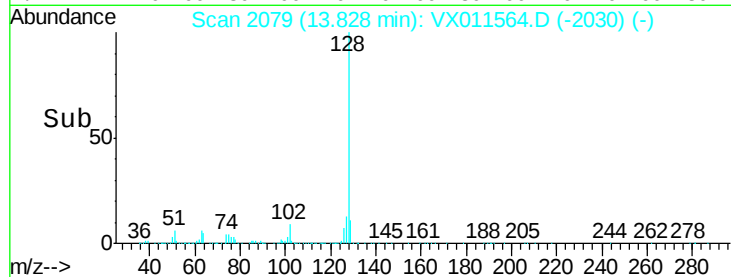
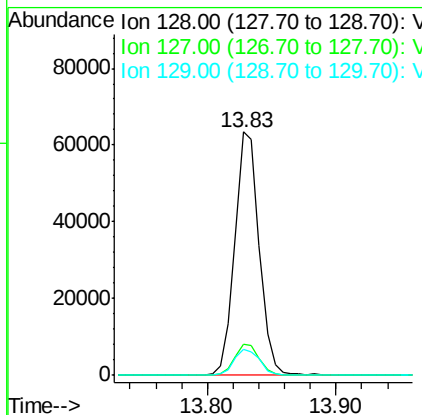
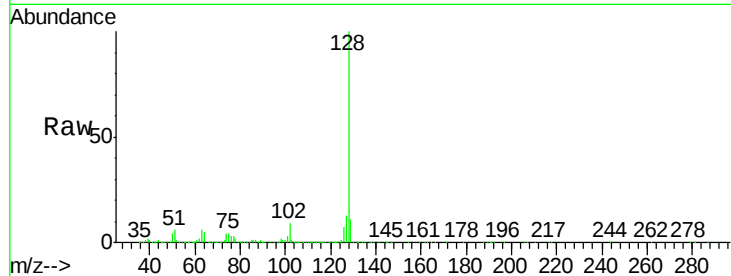
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	83732
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:29:21 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.537 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011564.D

Acq: 15 Aug 2019 18:04

Tgt Ion:	180	Resp:	31285
Ion Ratio	Lower	Upper	
180	100		
182	92.7	48.0	144.0
145	29.7	14.6	43.8

